

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

PUBLICATION COPY

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ADOLPHUS QUADRANGLE
209 TENN.-15 KY.
N3630-W8615/15
DIAGRAM NJ 16-11
NASHVILLE

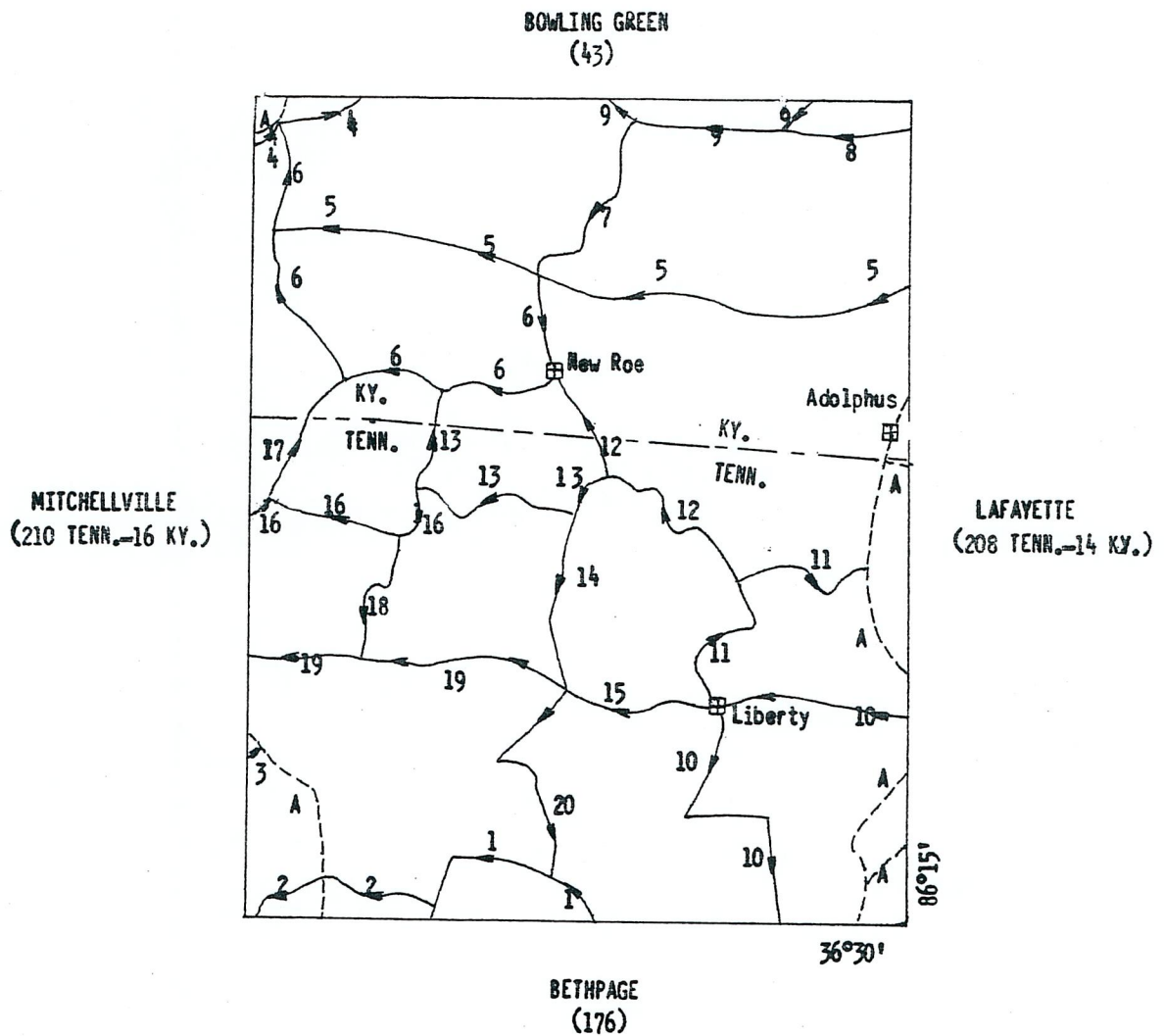
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Sumner County, Tenn.; Allen and
Simpson Counties, Ky.

Final adjustment of 1973

Edition of 8/25/78

PR: DSW/ma



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360861

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ISOLATED BENCH MARKS (By S. H. Birdseye, 1919; Book B509, and A. E. Williams, 1923; Book B1617-1618, S. L. Parker, 1927; B2613

Feet

Gold City; on S. side of I-rd. N.; just inside fence; on iron post; standard cap stamped "724 KY 1919"	723.705
Mount Aerial, 3.1 mi E. of post office; 30 ft from centerline of I-rd. S.; on N. side of rd.; on iron post; standard cap stamped "747 KY 1919"	746.332
Mount Aerial, 3.6 mi E. of; 0.25 mi E. of Red Hill Church; at SE. corner of crossroads; on iron post; standard cap stamped "722 KY 1919"	721.971
Adolphus; 140 ft S. of station; 31 ft E. of centerline of rd. crossing main track; on E. side of Ry.; on N. side of wagon rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 33 1919 KY W 35 23" (Reported not found, 1954)	657.017
Adolphus, 0.7 mi S. of, thence 1.76 mi W.; 0.5 mi S. of state line; 0.7 mi E. of Mount Olivet schoolhouse; at SE. corner of I-rd. E.; 12 ft W. of old barn; 7 ft E. of oak tree used as corner fence post; in 8-by-14-in. stone post; standard tablet stamped "W 36 23 KY" (Reported destroyed, 1954)	840.037
Gaines' Store, 2.5 mi S. of; 110 ft NE. of residence of Will Dennis; at rd. forks; 30 ft N. of SE. point of triangle formed by rds.; 20 ft N. of gate into field; 1 ft W. of wire fence; on iron post; standard cap stamped "W 38 23 KY"	749.280
New Roe, 4.0 mi SE. of; 1.5 mi SW. of Fleet; 1.5 mi NW. of Mount Olivet Church; 0.5 mi W. of store of Jim Cline; at forks 200 ft S. of state line; in solid outcrop of rock; standard tablet stamped "PRIM TRAV STA NO 6 KY 1920 W 40 1923" (Reported destroyed, 1954)	793.177
New Roe, 1.8 mi E. of; 120 ft SW. of residence of G. W. Calvert; on N. side of rd.; 3 ft N. of fence corner; 15 ft W. of large oak tree; in 10-by-18-by-26-in. stone post; standard tablet stamped "W 41 23 KY" (Not found, 1954)	764.786
Sugar Grove, 1.0 mi S. of; 800 ft N. of Turner Station; near S. end of RR. cut; 20 ft E. of centerline of track; in limestone ledge; standard tablet stamped "P 4 1927"	722.733
Westmoreland; 47 ft NW. of NW. corner of RR. baggage platform; 25 ft W. of track; 20 ft N. of public rd.; in SE. corner of small park; in stone post; standard tablet stamped "P 5 1927"	910.571
Westmoreland, 2.8 mi S. of; 1.2 mi N. of Bledsoe, along RR.; 25 ft N. of cattle guard; 8 ft E. of track; in limestone ledge; standard tablet stamped "P 6 1927" (Tied by NGS, 1961)	705.245
Bransford; 450 ft SW. of station; 72 ft NW. of N. end of iron bridge over Bledsoe Creek; 30 ft SW. of rd. crossing; on iron post; standard cap stamped "PRIM TRAV STA NO 34 1919" (Tied by NGS, 1961)	573.900

1949

LINE 1.Feet

By E. O. Miner, 1949; Book AV 156,

U. E., 50 ft SW. of junction of Y-rd. and drive NE.; on ledge; chiseled square

672.22

Rockbridge; 95 ft NE. of Rockbridge Church of Christ; 18 ft N. and 45 NE. of centerline of crossroads; 2 ft W. of electric pole; in concrete post; standard tablet stamped "3 EOM 1949 929"

929.246

Reference mark; 95 ft SW. of tablet; on N. end of top concrete step at front of church; chiseled square

930.06

Rockbridge, 1.5 mi W. of; at residence of W. D. Webb; 120 ft W. and 13 ft S. of, and 2 ft higher than centerline of junction of T-rd. and drive N.; in concrete post; NGS standard reference mark disk stamped "WEBB 1933"

957.784

Reference mark; 350 ft E. and 240 ft S. of tablet; 30 ft S. of rd.; in base on N. side of 24-in. maple tree; rail spike

967.85

Rockbridge, 2.7 mi W. of, thence 1.3 mi S.; 9.0 mi N. of Gallatin Railroad Station, along Dobbin Pike; 200 ft W. of junction of T-rd. W.; 15 ft N. of centerline of rd.; 15 ft W. of centerline of drive; in concrete post; standard tablet stamped "4 EOM 1949 998"

998.072

LINE 2.

By E. O. Miner, 1949; Book AV 156

"4 EOM 1949 998 (Described in line 6)

998.072

Gallatin, 9.0 mi N. of RR. station, along Dobbin Pike, thence 2.3 mi W.; 1.1 mi E. of Buck Lodge School; 390 ft W. and 53 ft S. of, and 4 ft higher than centerline of junction of Y-rd.; 3 ft SE. of high tension electric pole; in concrete post; standard tablet stamped "23 EOM 1950 910" (Reported not found, 1955)

909.760

Reference mark; 400 ft E. of tablet; 40 ft NE. of Y-rd.; in root on S. side of 24-in. maple tree; rail spike

906.760

U.E., about 500 ft W. of Buck Lodge School; at SE. corner of RR. bridge over Drakes Creek; on concrete abutment; chiseled square

739.08

"B 88 1935" (NGS)

733.676

Buck Lodge School, 0.6 mi S. of, thence 1.6 mi W.; 5.2 mi S. of Portland Post Office; 150 ft SE. of junction of State Highway 109 and rd. SE. Y-rd; 40 ft E. of, and 3 ft higher than centerline of Highway 109; in concrete post; standard tablet stamped "24 EOM 1950 941"

941.264

Reference mark; 430 ft S. of tablet; on N. end of E. head wall of concrete culvert; chiseled square

925.18

1949

LINE 3.Feet

By E. O. Miner, 1949; Book AV 156

"C 88 1935" (MGS)

807.000

LINE 4.

By J. J. Spahr, 1950; Book AV 184

Gold City, 2.3 mi SW. of, along state highway 265; 50 ft SE. of, and 4 ft higher than offset crossroads; 25 ft S. of centerline of rd.; in concrete post; standard tablet stamped "57 JJS 1950 635"

634.647

LINE 5.

By R. H. Paine, 1953, Book AV 342

U.E., 35 ft SE. of, and about level with centerline of U. S. Highway 31E at graveled rd. W. and dirt rd. E.; on N. end of E. concrete headwall of double concrete culvert; chiseled square

598.75

Buck Creek schoolhouse, 0.75 mi S. of; 20 ft SE. of E. point of triangle formed by rds.; 200 ft E. of residence of J. G. Hinton; on S. side of rd.; 2 ft N. of fence line; in 8-by-10-by 28-in. stone post; standard tablet stamped "W 37 23 KY 768"

767.760

U. E., on S. end of W. concrete abutment of bridge over Buck Creek; chiseled square

634.16

U.E., 10 ft N. of, and 0.5 ft lower than centerline of graveled rd.; on N. end of concrete tile culvert; chiseled square

746.55

Petroleum, 4.3 mi W. of; 2.1 mi E. of Alonzo; 23 ft N. and 45 ft W. of, and 2 ft higher than centerline of crossroads; 3 ft S. of SE. corner of abandoned house; in concrete post; standard tablet stamped "47 RHP 1953 832"

831.734

U.E., 20 ft SW. of, and 0.5 ft lower than centerline of graveled rd. at drive NE.; on S. end of concrete tile culvert; chiseled square

648.32

Petroleum, 6.4 mi W. of; at Alonzo; 75 ft S. of store; at concrete bridge (State Highway 100 across Long Hollow Branch); in SE. end of NE. concrete abutment; standard tablet stamped "48 RHP 1953 591"

591.896

Reference mark; 75 ft N. of tablet; on SE. corner of concrete base of gasoline pumps; chiseled square

592.23

U. E., at concrete bridge (State Highway 100 over Middle Fork); on SW. end of SE. concrete wheelguard; chiseled square

588.46

LINE 5 (Cont'd)feet

U. E., 90 ft SW. of, and 4 ft lower than centerline of intersection of State Highway 100 and graveled rd. S. at Stony Point Church; on E. end of S. headwall of concrete culvert; chiseled square	645.57
Alonzo, 3.0 mi W. of; 2.6 mi N. of New Roe; at Midway Grocery; at offset crossroads; 40 ft N. and 23 ft E. of, and 2 ft higher than centerline of State Highway 100 at graveled T-rd. N.; in concrete post; standard tablet stamped "49 RHP 1953 747"	747.416
Reference mark; 27 ft SW. of tablet; in NE. angle of crossroads; on V-shaped concrete headwall of culvert; chiseled square	745.44
U. E., 22 ft N. of, and 4 ft lower than centerline of State Highway 100; on V-shaped concrete headwall of culvert; chiseled square	677.19
U. E., Allen-Simpson County line; on N. end of W. abutment of concrete bridge over Sulphur Fork; chiseled square	576.35
Alonzo, 5.0 mi W. of; 20 ft S. and 16 ft W. of, and 1 ft lower than centerline of junction of State Highway 100 and graveled T-rd. N.; 1 ft N. of NE. corner fence post; in concrete post; standard tablet stamped "50 RHP 1953 702"	702.282
Reference mark; 115 ft NE. of tablet; on large limestone boulder; chiseled square	703.44
Alonzo, 7.0 mi W. of; 6.8 mi E. of Franklin; 46 ft S. and 24 ft E. of, and 1 ft higher than centerline of crossroads; 1 ft NW. of plank fence; in concrete post; standard tablet stamped "51 RHP 1953 709"	709.061
Franklin, 5.0 mi E. of courthouse, along State Highway 100; 28 ft N. and 24 ft E. of, and 2 ft lower than centerline of hwy. at junction of rd. N. at offset crossroad; 6 ft NE. of telephone pole; 5 ft E. of N.-S. fence; 4 ft N. of E.-W. fence; in concrete post; standard tablet stamped "T1 55 CWH 1950 722"	722.241

LINE 6.

By R. H. Paine, 1953; Book AV 342

"49 RHP 1953 747" (Described in line 5)	747.416
Reference mark; 27 ft SW. of tablet; chiseled square (Described in line 5)	745.44
U. E., 130 ft S. of, and 3 ft lower than centerline of junction of Y-rd. fork; on E. end of top concrete step of Smyrna Church; chiseled square	611.90
New Roe, 200 ft NW. of junction of Y-rds.; 30 ft SW. of centerline of rd.; 42 ft SW. of SW. corner of abandoned store used as chicken house; on iron post; standard cap stamped "PRIM TRAV STA NO 5 1920 KY W 42 23 711"	711.232
New Roe, 2.8 mi W. of; 2.4 mi E. of Rapids; 55 ft W. of, and 1 ft higher than centerline of junction of Y-rd. fork; 24 ft SW. of graveled rd.; 7 ft WSW. of 16-in. beech tree; in concrete post; standard tablet stamped "52 RHP 1953 660"	660.584

LINE 6 (Cont'd)

	<u>Foot</u>
Reference mark; 45 ft E. of tablet; on E. end of concrete tile culvert; chiseled square	658.14
Franklin, 8.6 mi SE. of along State Highway 73; 140 ft SE. of store of J. W. James (abandoned) (formerly Rapids Post Office); 500 ft S. of store of J. G. Ramsey; 28 ft SW. of hwy.; 300 ft NW. of, and 8 ft higher than centerline crossroads; in concrete post; standard tablet stamped "PRIM TRA STA NO 4 1920 KY 43 23 781"	781.032
Franklin, 6.6 mi SE. of, along State Highway 73; 2.0 mi NW. of Rapids; in S. corner of Round Pond School grounds; about 600 ft SE. of school; 55 ft N. and 6 ft W. of, and 3 ft higher than centerline of crossroads; 43 ft NW. of telephone pole; in concrete post; standard tablet stamped "TT 54 CWH 1950 755"	755.883
"TT 55 CWH 1950 722" (Described in line 5)	722.241
U.E., 220 ft S. of V-rd. fork; on NW. end of bottom concrete step to Loring Chapel; chiseled square	710.79
U.E., 20 ft SW. of, and 1 ft higher than centerline of junction of V-rd. fork; on limestone boulder; chiseled square	638.58
Franklin, 5.6 mi NE. of, along State Highway 265; at offset crossroad; 22 ft S. of centerline of Highway 265; 56 ft W. of centerline of paved rd. S.; 1 ft E. of metal witness post; standard tablet stamped "TT 56 USGS RESEI 1978"	672.309
Franklin, 6.0 mi NE. of, along State Highway 265; 2.3 mi SW. of Gold City; 0.2 mi E. of Lick Fork Creek; 50 ft SE. of, and 4 ft higher than centerline of offset crossroads; 25 ft S. of centerline of hwy.; on side of rd. bank; in concrete post; standard tablet stamped "57 JJS 1950 635"	634.647

LINE 7.

By R. H. Paine, 1953; Book AV 342

Mount Aerial, 1.2 mi E. of; 20 ft NE. of, and 2 ft lower than centerline of junction of I-rd. S.; on N. end of 42-in. concrete tile culvert; chiseled square	669.111
Mount Aerial, 1.2 mi E. of, thence 0.9 mi S., thence 0.4 mi E.; 15 ft W. of, and 2 ft higher than centerline of junction of I-rd. fork; 4 ft SE. of corner fence post; standard tablet stamped "53 RHP 1953 714"	713.371
U.E., 40 ft S. of, and 3 ft lower than centerline of triangle of V-rd. fork; on limestone outcrop; chiseled square	740.11
Mount Aerial, 3.8 mi SE. of; 2.9 mi W. of Walkers Chapel School; 18 ft N. and 30 ft W. of and 3 ft higher than centerline of rd. at junction of I-rd.; in concrete post; standard tablet stamped "54 RHP 1953 754 TT"	754.051

LINE 7 (Cont'd)Feet

U.E., 35 ft NE. of, and level with centerline of junction of rd. and drive NE.,;
on outcrop; chiseled square

631.90

Claire, 0.64 mi S. of; 0.9 mi N. of Midway Grocery; in NW. corner of crossroads;
70 ft W. of graveyard; in 8-by-15-by-30-in. stone post; standard tablet stamped
"W 45 23 KY 750"

749.884

"49 RHP 1953 747" (Described in line 5)

747.416

LINE 8.

By R. H. Paine, 1953 Book AV 342

Mt. Aerial, 5.6 mi SE. of, along State Highway 265; at Red Hill; 18 ft SE. of crossroads; 450 ft
S. of store of William Ballard; 103 ft SW. of blacksmith shop; on bank; on iron post; standard
cap stamped "PRIM TRAV STA NO 30 1919 KY 722"

721.987

LINE 9.

By C. M. Nichols, 1953; Book AV 344

Scottsville, 4.1 mi NW. of county courthouse, along State Highway 231, thence 2.1 mi SW.
along graveled rd.; 7.6 mi E. of Mount Aerial; at residence of V. R. Hinton; 60 ft
SW. of, and 1 ft lower than sharp bend in rd.; 3 ft SE. of corner fence post; standard
tablet stamped "34 CMN 1953 688"

687.994

"PRIM TRAV STA NO 30 KY 1919 722" (Described in line 8)

721.987

U.E., 10 ft N. and 50 ft NE. of, and level with centerline of junction of rd. S.; on
rock ledge; chiseled square

618.64

Scottsville, 8 mi W. of; 3 mi E. of Mount Aerial on State Highway 265 at T-rd. S.; 42 ft
S. of centerline of hwy.; 15 ft E. of centerline of I-rd. S.; 21 ft SW. of power pole
No. 80; 42 ft NE. of 15-in. oak tree; 2 ft NE. of power pole; in concrete post; standard
tablet stamped "PTS NO 29 1919 KY RESET 1969"

742.563

U. E.; on W. end of N. side of concrete bridge over Hams Branch, 1 ft higher than centerline
of rd.; chiseled square

606.953

U.E., at Shiloh Church; on NE. corner of concrete porch; chiseled square

720.34

Mount Aerial Post Office; 25 ft SW. of, and 1 ft higher than centerline of rd. at
fence N.; in W. end of concrete base of gasoline pumps; standard tablet
stamped "35 CMN 1953 715"

715.001

LINE 10.

By S. E. Mattingly, 1956; Book AV 484

U. E.; 26 ft N. and 36 ft W. of, and 3 ft lower than centerline intersection of
U.S. Highway 31E and 231 and State Highway 52; near SW. corner of concrete base
for storm sewer; chiseled square

908.73

LINE 10 (Cont'd)

Westmoreland, 2.4 mi W. of, along State Highway 52; 61 ft SE. and 18 ft SW. of, and 6 ft higher than centerline of junction of T-rd. SE.; about 40 ft SW. of Dutch Creek; in concrete post; standard tablet stamped "57 MAT 1956 798"	797.509
U.E., 15 ft S. and 21 ft E. of, and level with centerline of crossroads; on E. end of concrete drainpipe; chiseled square	883.04
Liberty; 15 ft N. and 130 ft W. of junction of T-rd. S.; near NW. end of steel bridge over Middle Fork Creek; in concrete piling; standard tablet stamped "58 MAT 1956 736"	736.041
Reference mark; 26 ft SE. of tablet; on concrete piling; chiseled square	736.25
Liberty, 2.6 mi S. of; 17 ft N. and 21 ft W. of, and 1 ft higher than centerline of junction of T-rd. N.; 2 ft NW. of fence corner; in concrete post; standard tablet stamped "59 MAT 1956 973"	972.882
Bethpage, 1.2 mi NE. of post office, thence 1.6 mi N.; 36 ft S. and 12 ft E. of junction of private drive W.; at SE. corner of wooden bridge; in NE. corner of concrete wingwall; standard tablet stamped "60 MAT 1956 618"	617.570
Reference mark; 26 ft SW. of tablet; at SW. corner of wooden bridge; on concrete wingwall; chiseled square	617.25

LINE 11.

By S. E. Mattingly, 1956; Book AV 484	
"58 MAT 1956 736" (Described in line 10)	736.041
U.E., at N. corner of steel bridge over Middle Fork Creek; on concrete abutment; chiseled square	702.37
Providence; 40 ft S. and 45 ft W. of, and 1 ft higher than centerline of junction of Y-rd.; 8 ft E. of Providence General Baptist Church; 3 ft S. of SE. corner of concrete porch; in concrete post; standard tablet stamped "61 MAT 1956 830"	829.695
U.E., at SW. corner of wooden bridge over Dutch Creek; on concrete abutment; chiseled square	702.70
Providence, 1.4 mi N. of, thence 0.7 mi E.; 3.25 mi W. of Turners Station; 13 ft S. and 35 ft E. of, and level with centerline of junction of T-rd. N.; 1 ft S. of wire fence at woods edge; in concrete post; standard tablet stamped "62 MAT 1956 807"	806.511

LINE 11 (Cont'd)

Turners Station, 1.3 mi SW. of; 30 ft S. and 12 ft W. of, and 2 ft lower than centerline of junction of Y-rd.; 3 ft S. of power pole; in fence line; in concrete post; standard tablet stamped "63 MAT 1956 866"	866.126
Reference mark; 57 ft NW. of tablet; 15 ft S. of gatepost; on W. end of 12-in. concrete drainpipe; chiseled square	867.53
"NY 85 1935 (NGS)	728.214

LINE 12.

By S. E. Mattingly, 1956; Book AV 484

Fairfield; 63 ft S. of SE. corner of Fairfield Cemetery; at edge of woods; inside fence corner; standard tablet stamped "64 MAT 1956 815 RESET 1957"	815.363
U.E., 33 ft S. and 18 ft E. of, level with centerline of crossroads at Nubia; on NE. corner of concrete base of gasoline pump; chiseled square	851.20
Nubia, 8.8 mi N. of; 33 ft E. of, and 2 ft higher than centerline of rd.; 15 ft E. of fence corner; 60 ft NW. of NW. corner of residence; 10 ft N. of 10-in. oak tree; in concrete post; standard tablet stamped "65 MAT 1956 822"	821.798
U.E., 15 ft N. and 15 ft E. of, and 1 ft lower than centerline of junction of private drive E.; on N. end of 18-in. concrete drainpipe; chiseled square,	780.60
"PRIM TRAV STA NO 5 KY 1920 W 42 23" (Described in line 6)	711.232

LINE 13.

By S. E. Mattingly, 1956; Book AV 484

U.E., chiseled square (Described in line 12)	851.20
U.E., 300 ft S. of Highland Church of the Nazarene; 19 ft N. and 10 ft E. of, and 2 ft higher than centerline of crossroads; in root on W. side of 36-in. oak tree; copper nail and washer	842.78
U.E., 10 ft S. of, and level with centerline of rd.; on 18-in. concrete drainpipe; chiseled square	820.68
Nubia, 1.2 mi SW. of, thence 2.0 mi W.; 270 ft W. and 18 ft S. of, and 3 ft higher than junction of I-rd. N.; 11 ft W. of wire fence; in NE. corner of front yard of residence of Wright McGlothlin; in concrete post; standard tablet stamped "66 MAT 1956 790"	789.726
Sington, 1.8 mi N. of; 45 ft S. and 19 ft E. of, and 1 ft lower than centerline of crossroads; 1 ft S. and 6 ft E. of fence corner; in concrete post; standard tablet stamped "67 MAT 1956 816"	816.085
Reference mark; 54 ft NW. of tablet; 14 ft S. and 12 ft W. of crossroads; on 18-in. concrete drainpipe; chiseled square	814.97

LINE 13 (Cont'd)

"52 RHP 1953 660" (Described in line 6)

Feet

660.584

LINE 14.

By S. E. Mattingly, 1956; Book AV 484

U.E., copper nail and washer (Described in line 13)

842.78

U.E., at N. end of wooden bridge over Sulphur Fork Creek; near N. end of concrete wingwall; chiseled square

700.65

Brackentown; 205 ft N. of junction of T-rd. E.; 120 ft S. of junction of T-rd. W.; at NW. corner of concrete culvert; 2 ft lower than centerline of rd.; in corner of concrete wingwall; standard tablet stamped "68 MAT 1956 726"

725.989

Reference mark; 30 ft E. of tablet; on NE. corner of concrete headwall of culvert; chiseled square

727.75

U.E., 14 ft SW. of, and level with centerline of rd.; 10 ft N. of S. end of concrete headwall of culvert for small stream; chiseled square

773.43

Oak Grove; 51 ft N. and 33 E. of, and level with centerline of junction of Y-rd.; 15 ft N. of private drive to junction of Y-rd.; 15 ft N. of private drive to barn; 6 ft S. of 18-in. oak tree; 13 ft E. of power pole; in concrete post; standard tablet stamped "69 MAT 1956 882"

882.295

Reference mark; 260 ft NW. of tablet; 15 ft W. of centerline of rd.; on N. end of concrete headwall of culvert; chiseled square

874.17

LINE 15.

By S. E. Mattingly, 1956; Books AV 484

"58 MAT 1956 736" (Described in line 10)

736.041

Oak Grove, 1.5 mi E. of; 33 ft N. and 22 ft W. of, and 1 ft higher than centerline of crossroads; 3 ft E. of hedgerow; in concrete post; standard tablet stamped "70 MAT 1956 888"

887.918

Reference mark; 80 ft SE. of tablet; at W. side of concrete porch of grocery store; on SW. corner of concrete step; chiseled square

888.29

U.E., 250 ft S. of Oak Grove School; at SW. corner of wooden bridge over Sulphur Fork Creek; on concrete wingwall; chiseled square

824.54

"69 MAT 1956 882" (Described in line 14)

882.29

LINE 16.

By S. E. Mattingly, 1956; Book AV 484

"67 MAT 1956 816" (Described in line 13)

816.085

LINE 16 (Cont'd)

	<u>Feet</u>
Sington; 23 ft S. and 99 ft E. of, and 0.5 ft higher than centerline of crossroads; 36 ft W. of centerline of private drive S.; 3 ft NE. of E. end of concrete wall around front yard; in concrete post; standard tablet stamped "71 MAT 1956 851"	850.471
Reference mark; 77 ft NW. of tablet; 17 ft W. and 24 ft E. of crossroads; on 18-in. concrete drainpipe; chiseled square	848.05
U.E., 27 ft S. and 19 ft E. of, and 2 ft lower than junction of I-rd. E.; on 12-in. concrete drainpipe; chiseled square	785.38
Sington, 1.9 mi W. of; 25 ft S. and 36 ft E. of, and 3 ft higher than junction of private drive N.; 120 ft S. of residence; 2 ft SE. of fence corner; in concrete post; standard tablet stamped "72 MAT 1956 739"	739.120
U.E., at NW. corner of steel bridge over West Fork Creek; near NW. corner of rock piling; chiseled square	648.08
U.E., 63 ft E. of, and 5 ft higher than centerline of crossroads; in S. side of power pole; RR. spike	721.11
U.E., 15 ft W. of, and level with centerline of rd.; 6 ft S. of N. end of concrete headwall of culvert; chiseled square	763.33
Portland, 2.2 mi NE. of RR. station, along Rapid rd.; 5.3 mi SW. of Rapid; 28 ft N. and 21 ft E. of, and 1 ft higher than junction of private rd. E.; 1 ft E. of fence line; in concrete post; standard tablet stamped "73 MAT 1956 765"	765.118
"E 88 1935" (NGS)	793.043

LINE 17.

By S. E. Mattingly, 1956; Book AV 484	
U.E., RR spike (Described in line 16)	721.11
Portland, 4.1 mi NE. of RR. station, along Rapid rd.; 3.4 mi SW. of Rapid; 46 ft N. and 21 ft W. of, and 2 ft lower than centerline of rd.; at S. branch of private rd. W.; 8 ft N. and 2 ft E. of SW. corner of field; 1 ft E. of fence; in 7- by 7-in. concrete post; standard tablet stamped "TI 47 CWH 1950"	689.835
U.E., at NW. corner of steel bridge over West Fork Creek; on rock piling; chiseled square	644.82
Portland, 6.0 mi NE. of RR. station, along Rapid rd.; 1.5 mi SW. of Rapid; 23 ft N. and 8 ft W. of, and 1 ft higher than junction of Rapid rd. and rd. W.; 77 ft NW. of NW. corner of unpainted house; 12 ft W. of mailbox of E. C. Perrigo; 4 ft NW. of SE. fence corner in 7- by 7-in. concrete post; standard tablet stamped "TI 48 CWH 1950"	768.866
U.E., 15 ft N. and 19 ft W. of, and 0.5 ft lower than centerline of rd. at stream crossing; on rock of stream bed; chiseled square	712.75
"PRIM TRAV STA NO 4 1920 KY W 43 23 781" (Described in line 6)	781.032

1956

LINE 18.Feet

By S. E. Mattingly, 1956; Book AV 484

"71 MAT 1956 851" (Described in line 16)

850.471

U.E., 12 ft E. of, and 1 ft lower than centerline of rd. over drain; on top S. 4-ft concrete drainpipe; chiseled square

667.51

Sington 1.6 mi W. of, thence 1.21 mi N.; 13 ft S. and 19 ft E. of, and 2 ft higher than centerline of secondary rd. E.; 7 ft SE. of 24-in. elm tree; 3 ft S. of wire fence; in concrete post; standard tablet stamped "74 MAT 1956 663"

662.377

Reference mark; 99 ft NW. of tablet; at SW. corner of bridge over Caney Fork Creek; on NW. corner of concrete abutment; chiseled square

659.87

U.E., 150 ft W. of intersection of Leath rd. N. and Groves rd. S.; near SE. corner of rock piling; on SW. corner of steel bridge over Drakes Creek; chiseled square

675.28

LINE 19.

By S. E. Mattingly, 1956; Book AV 484

"69 MAT 1956 882" (Described in line 14) (Also in line 15)

882.295

U.E., 13 ft S. and 24 ft W. of, and 1 ft higher than centerline of junction of I-rd. S.; at SE. corner of wooden bridge over small drain; on concrete wingwall; chiseled square

741.25

Oak Grove, 1.67 mi W. of; 1.4 mi E. of Corinth; 30 ft S. and 136 ft E. of, and 2 ft higher than intersection of State Highway 52 and rd. to Brackentown; 1 ft E. of wire fence; 12 ft S. of fence corner; in concrete post; standard tablet stamped "75 MAT 1956 790"

789.889

U.E., at SE. corner of steel bridge over Caney Fork Creek; on concrete abutment; chiseled square

716.46

Corinth School, 0.8 mi W. of; 3.2 mi E. of Portland; 30 ft S. and 20 ft W. of, and 4 ft lower than junction of rd. N. to Mt Mariah; 4 ft SE. of fence corner; in concrete post; standard tablet stamped "76 MAT 1956 783"

783.181

U.E., chiseled square (Described in line 18)

675.28

Portland, 6.2 mi E. of; 3.6 mi W. of Corinth schoolhouse; 0.5 mi N. of Pipers Chapel; 48 ft S. and 33 ft W. of, and 5 ft lower than centerline of crossroads; 4 ft W. of 12-in. cedar tree; in fence row; in concrete post; standard tablet stamped "77 MAT 1956 795"

794.752

LINE 19 (Cont'd)Feet

Portland, 0.5 mi W. of city limits sign, along State Highway 52 E.; 21 ft N. and 32 ft W. of, and 1 ft higher than intersection of S. Russell Street and Highway 52; in SE. corner of churchyard to Portland Nazarene Church; 4 ft W. of concrete sidewalk; 1 ft N. of fence line; in concrete post; standard tablet stamped "78 MAT 1956 812", painted "USBM" 811.7"	811.518
Reference mark; 39 ft NE. of, and 5 ft lower than tablet; 45 ft E. of Portland Nazarene Church; on NE. corner of bottom step; chiseled square	809.28
Portland, 0.4 mi N. of RR. station, along Rapid rd.; at SW. corner of cemetery; 150 ft SE. of Church of Christ; 40 ft N. and 20 ft E. of, and 31 ft higher than centerline of junction of Rapid rd. and long tangent of rd. NW.; 10 ft N. and 19 ft E. of centerline of Rapid rd. at S. Cemetery Drive; 5 ft NE. of power pole; in 7- by 7-in. concrete post; standard tablet stamped "TT 45-CWH 1950"	814.931
"E 88 1935" (NGS) (Also in line 16)	793.043

LINE 20.

By S. E. Mattingly, 1956; Book AV 484

"69 MAT 1956 882" (Described in line 14 also in line 15)	882.295
U.E., 45 ft NE. of SW. end of steel bridge over Caney Fork Creek; 10 ft SE. of centerline of bridge; 1 ft lower than roadbed; on concrete abutment; chiseled square	752.43
Oak Grove, 2.2 mi SW. of; 3.3 mi NW. of Rockbridge; 57 ft NE. and 30 ft NW. of, and 2 ft lower than centerline of junction of rd. E. to Rockbridge; 8 ft NW. of fence corner; 13 ft SW. of telephone pole; in concrete post; standard tablet stamped "79 MAT 1956 837"	836.785
U.E., at NE. corner of wooden bridge over small drain; on NE. corner of concrete wingwall; chiseled square	765.43
U.E., at NE. corner of wooden bridge over small drain; near NE. corner of concrete headwall; chiseled square	772.60
Oak Grove, 2.2 mi SW. of, thence 0.75 mi E. and 0.75 mi S.; 1.5 mi N. of Rock Bridge; 170 ft N. and 26 ft E. of, and 3 ft higher than junction of I-rd. E. to Mt. Vernon; 36 ft NW. of NW. corner of residence; 6 ft SW. of power pole; 3 ft NE. of fence corner post; in concrete post; standard tablet stamped "80 MAT 1956 807"	807.302
U.E., on NW. corner of second concrete step leading to front entrance to Chestnut Grove schoolhouse; chiseled square	844.02
"3 EQM 1949 929" (Described in line 1)	929.246

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

36-086-13
ADOLPHUS QUADRANGLE
209 TENN.-15 KY.
N3630-W8615/15
DIAGRAM NJ 16-11
NASHVILLE

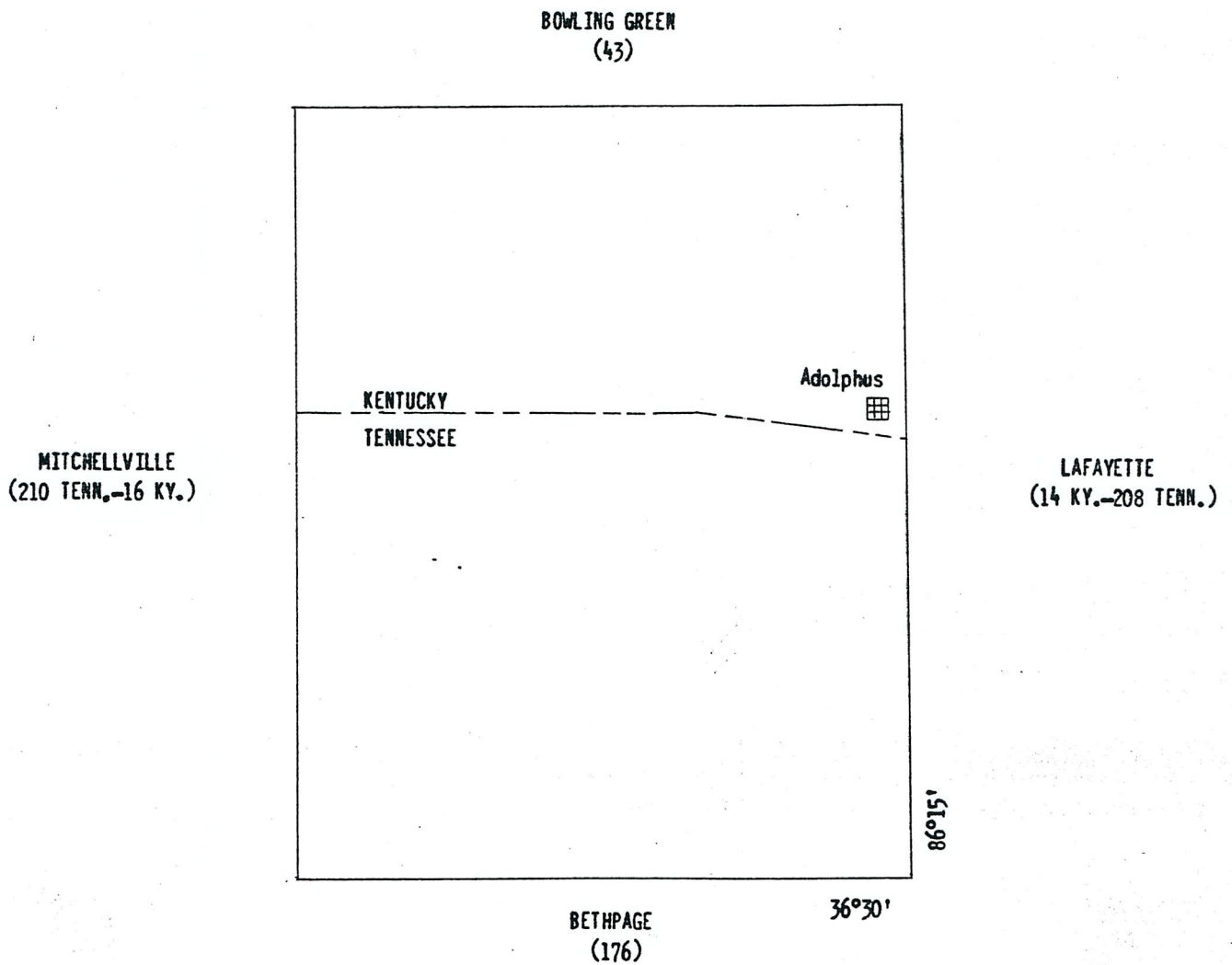
Sumner County, Tenn.; Allen
and Simpson Counties, Ky.

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

Edition of 8/25/78

PR: CRV/rmm

Plane coordinates are based on Lambert projection,
Kentucky, South Zone, and Tennessee 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.

209 TENN.-15 KY.
ADOLPHUS QUADRANGLE

36-086-13
N3630-W8615/15

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
PTS NO 29 1919 KY RESET 1969	3
PTS NO 30 1919 KY 722	3
PTS NO 33 1919 KY W 35 23	3
PTS NO 34 1919	3
PTS NO 4 1920 KY 43 23 781	3
PTS NO 5 1920 KY W 42 23 711	3
PTS NO 6 1920 KY W 40 23	3
TT 42 CWH 1950	4
TT 47 CWH 1950	4
TT 48 CWH 1950	4
TT 54 CWH 1950 755	4
TT 55 CWH 1950 722	4
TT 56 USGS RESET 1978 (TT 56 CWH)	5
24 EOM 1950 941	4
49 RHP 1953 747 TT	5
53 RHP 1953 714 TT	5
54 RHP 1953 754 TT	5
 <u>NGS</u>	
V 63 1935	5
C 86 1935	4

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 B. H. Yoakum, 1919-20; Books A4753; C5105

Scottsville, 8 mi W. of; 3 mi E. of Mount Aerial on State Highway 265 at T-rd. S.; 42 ft S. of centerline of hwy.; 15 ft E. of centerline of T-rd. S.; 21 ft SW. of power pole # 80; 42 ft NE. of 15-in. oak tree; 2 ft NE. of power pole; in concrete post; standard tablet stamped "PTS NO 29 1919 KY RESET. 1969"

Tenn.)	X = 1,900,273	Y = 855,616	36 44 31.15	86 20 25.13
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Mt. Aerial, 5.6 mi SE. of, along State Highway 265; at Red Hill; 18 ft SE. of crossroads; 450 ft S. of store of William Ballard; 103 ft SW. of blacksmith shop; on bank; on iron post; standard cap stamped "PRIM TRAV STA NO 30 1919 KY 722"

	X = 1,912,007	Y = 855,171	36 44 27.13	86 18 00.96
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Adolphus, 140 ft S. of Louisville and Nashville Railroad station; 31 ft E. of centerline of rd. crossing main track; on E. side of track; on N. side of wagon rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 33 1919 KY W 35 23" (Not found, 1954)

	X = 1,923,702	Y = 822,305	36 39 02.50	86 15 36.22
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Bransford; 450 ft SW. of station; 72 ft NW. of N. end of steel bridge over Bledsoe Creek; 30 ft SW. of dirt rd. crossing; on iron post; standard cap stamped "PRIM TRAV STA NO 34 1919"

	X = 1,920,603	Y = 768,859	36 30 13.94	86 16 12.44
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Franklin, 8.6 mi SE. of, along State Highway 73; 140 ft SE. of store of J. W. James (abandoned) (formerly Rapids Post Office); 500 ft S. of store of J. G. Ramsey; 28 ft SW. of hwy.; 300 ft NW. of, and 8 ft higher than centerline of crossroads; in concrete post; standard tablet stamped "PRIM TRAV STA NO 4 1920 KY 43 23 781"

	X = 1,863,374	Y = 827,470	36 29 51.36	86 27 56.78
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New Roe; 200 ft NW. of junction of Y-rds.; 30 ft SW. of centerline of rd.; 42 ft SW. of SW. corner of abandoned store used as chicken house; on iron post; standard cap stamped "PRIM TRAV STA NO 5 1920 KY W 42 23 711"

	X = 1,887,902	Y = 827,451	36 39 52.22	86 22 55.75
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New Roe, 4.0 mi SE. of; 1.5 mi W. of Fleet; 1.5 mi NW. of Mount Olive Church; 0.5 mi W. of store of Jim Cline; 200 ft S. of Kentucky-Tennessee State line; at junction of Y-rds.; in rock outcrop; standard tablet stamped "PRIM TRAV STA NO 6 1920 KY W 40 23" (Reported destroyed, 1954)

	X = 1,905,803	Y = 821,116	36 38 50.19	86 19 15.82
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Bransford, 0.7 mi N. of station, along L. & N. RR.; 27 ft E. of centerline of U.S. Highway 31E; 13 ft W. of W. rail; 150 ft S. of Delmar Carr Grocery Store; in concrete post; NGS standard disk stamped "C 86 1935"

Tenn.) X = 1,921,983 Y = 773,143 36 30 56.34 86 15 55.67

Westmoreland, 2.2 mi S. of, along U. S. Highway 31 E.; 2.4 mi N. of Bransford; 8 ft N. and 29 ft E. of centerline of hwy. at junction of driveway E. through drain; 11 ft SW. of power pole; 10 ft S. of mailbox of J. B. Robertson; in concrete post; standard tablet stamped "TT 42 CWH 1950"

X = 1,921,258 Y = 780,183 36 32 05.93 86 16 04.80

By C. W. Haas, 1950; Book AH 156

Buck Lodge School, 0.6 mi S. of, thence 1.6 mi W.; 5.2 mi S. of post office at Portland; 150 ft SE. of centerline of State Highway 109 at junction of rd. SE.; 40 ft E. of, and 3 ft higher than centerline of hwy.; in concrete post; standard tablet stamped "24 EQM 1950 941"

X = 1,853,298 Y = 770,396 36 30 26.52 86 29 56.86

Portland, 4.1 mi NE. of RR. station, along Rapid rd.; 3.4 mi SW. of Rapid; 46 ft N. and 21 ft W. of, and 2 ft lower than centerline of rd.; at S. branch of private rd. W.; 8 ft N. and 2 ft E. of SW. corner of field; 1 ft E. of fence; in concrete post; standard tablet stamped "TT 47 CWH 1950"

X = 1,854,650 Y = 814,900 36 37 46.64 86 29 43.06

Portland, 6.0 mi NE. of RR. station, along Rapid Rd.; 1.5 mi SW. of Rapid; 23 ft N. and 8 ft W. of and 1 ft higher than junction of Rapid Road and rd. W.; 77 ft NW. of NW. corner of unpainted house; 12 ft W. of mailbox of E. C. Perrigo; 4 ft NW. of SE. fence corner; in concrete post; standard tablet stamped "TT 48 CWH 1950"

X = 1,859,273 Y = 821,722 36 38 54.33 86 28 46.76

Franklin, 6.6 mi SE. of courthouse, along State Highway 73; in SE. corner of Round Pond School grounds; 600 ft SW. of school; 55 ft N. and 6 ft W. of, and 3 ft higher than centerline of hwy. at short tangent of curve in rd. N.; 43 ft WNW. of telephone pole; in concrete post; standard tablet stamped "TT 54 CWH 1950 755"

X = 1,857,606 Y = 835,677 36 41 12.22 86 29 08.07

Franklin, 5.0 mi E. of courthouse, along State Highway 100; 28 ft N. and 24 ft E. of, and 2 ft lower than centerline of hwy. at junction of rd. N. at offset crossroad; 6 ft NE. of telephone pole; 5 ft E. of N.-S. fence; 4 ft N. of E.-W. fence; in concrete post; standard tablet stamped "TT 55 CWH 1950 722"

X = 1,855,252 Y = 843,903 36 42 33.43 86 29 37.47

209 TENN.-15 KY.
ADOLPHUS QUADRANGLE

36-086-13
5

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

Franklin, 5.6 mi NE. of, along State Highway 265; at offset crossroad; 22 ft S. of centerline of Highway 265; 56 ft W. of centerline of paved rd. S.; 1 ft E. of metal witness post; standard tablet stamped "IT 56 USGS RESET 1978"

HORIZONTAL POSITION LOST

By T. W. Cayce, 1953; Book AH 314

Mt. Aerial, 1.2 mi SE. of, along State Highway 265, thence 0.9 mi S., thence 0.4 mi E.; 15 ft N. of, and 2 ft higher than centerline of rd. at junction of T-rd.; 4 ft SE. of corner fencepost; in concrete post; standard tablet stamped "53 RHP 1953 714 IT"

X = 1,892,283	Y = 853,484	36 44 09.78	86 22 03.19
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Mount Aerial, 3.8 mi SE. of; 2.9 mi W. of Walkers Chapel School; 18 ft N. and 30 ft W. of, and 3 ft higher than centerline of rd. at junction of T-rd.; in concrete post; standard tablet stamped "54 RHP 1953 754 IT"

X = 1,892,971	Y = 846,695	36 43 02.69	86 21 54.41
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Alonzo, 3.0 mi W. of; 2.6 mi N. of New Roe; at Midway Grocery; 40 ft N. and 23 ft E. of, and 2 ft higher than centerline of State Highway 100 at junction of graveled T-rd. N. of offset crossroad; in concrete post; standard tablet stamped "49 RHP 1953 747 IT"

X = 1,884,347	Y = 838,991	36 41 46.18	86 23 39.94
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Adolphus, 0.9 mi N. of station, along L. & N. RR.; 30 ft S. of centerline of dirt rd. 14 ft E. of E. rail; 150 ft E. of residence of J. W. Hinton; in concrete post; NGS standard disk stamped "V 63 1935"

X = 1,925,192	Y = 826,657	36 39 45.57	86 15 18.09
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