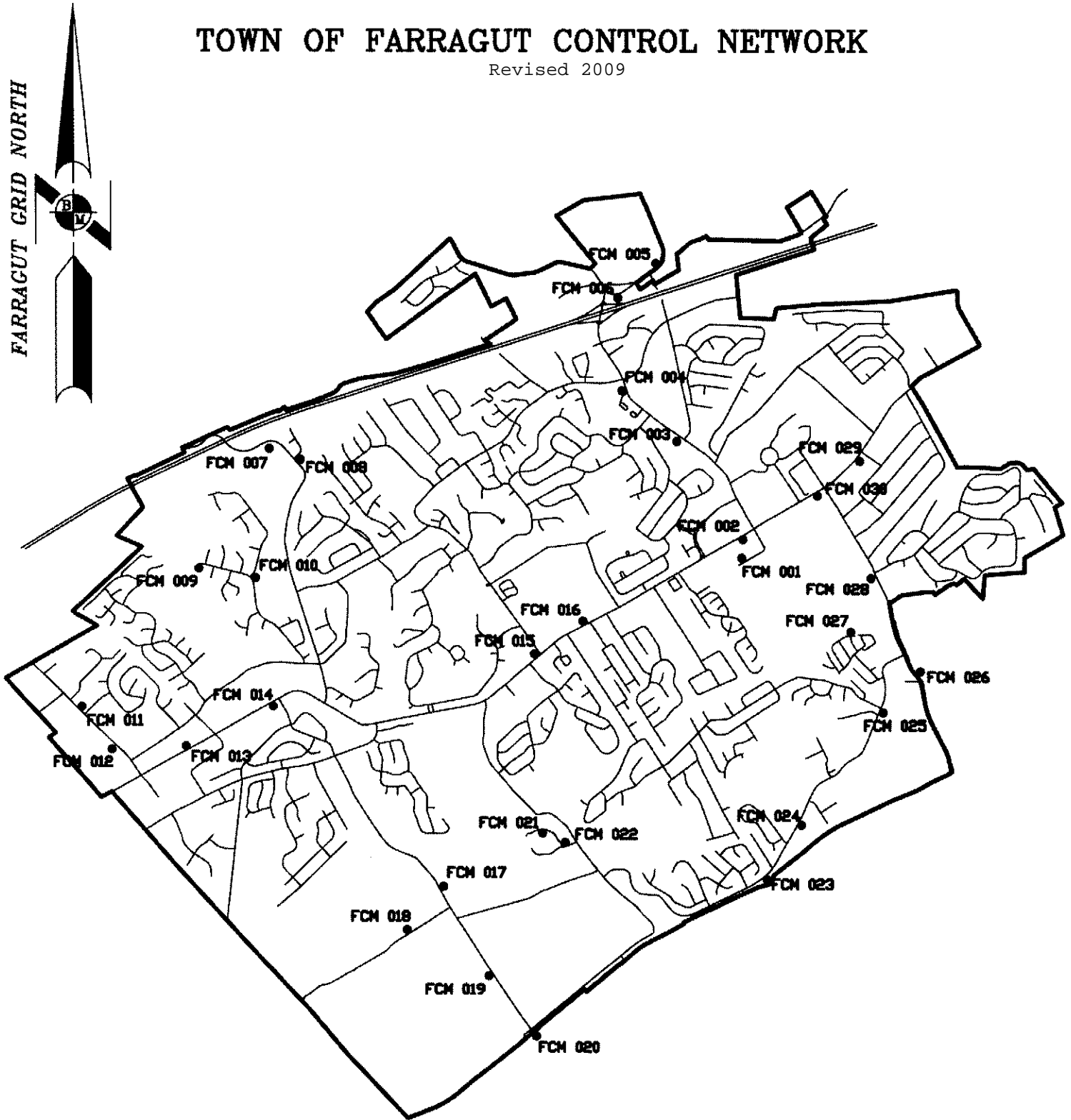


TOWN OF FARRAGUT CONTROL NETWORK

Revised 2009

FARRAGUT GRID NORTH



GRAPHIC SCALE



(IN FEET)

1 inch = 4000ft.

Acknowledgments

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Using the Data

This section contains a brief overview of the development of the Town of Farragut's horizontal control network, and an explanation of how to use the control data provided.

Survey information contained in this publication includes **state plane coordinates, latitudes and longitudes, elevations, bearings and distances** between intervisible points, and an **average scale factor** for the Farragut area.

Data and descriptions for all the marks covered by this document are listed in numerical order by **Station Number**.

The Town of Farragut control system is tied to the **1995 Tennessee Geodetic Reference Network (TGRN)**, an order B (1 PPM) **Global Positioning System (GPS)** network. The TGRN was developed as a joint effort of the **Tennessee Department of Transportation (TDOT)** and the **National Geodetic Survey (NGS)**. The TGRN is based on the **North American Datum of 1983 (NAD 83)**.

The projection employed to calculate the **state plane coordinates (SPC)** used in the State of Tennessee is the **Lambert Conformal Conic Projection**, which projects ground positions onto an imaginary cone, the axis of which coincides with the earth's polar axis.

Use of geodetic and grid data supplied in this publication:

When using the Town of Farragut control system, it should be kept in mind that there are two factors that affect the relationship between distances inverted from **SPC** and distances measured in the field. One is the **sea level factor (SLF)**, and the other is the **scale factor (SF)**.

The **SLF** is used to reduce surface measurements to a common datum. It may be easily calculated by using the mean elevation of the survey line and the mean radius of the earth.

$$\text{SLF} = R \div (R + h)$$

where **R** = 20,906,000 ft (mean radius of the earth)

H = elevation above sea level in feet

For small surveys, the average elevation of the area surveyed is completely adequate for reducing the entire survey to sea level. If a high degree of precision is needed, however, large surveys over uneven terrain should have each line reduced individually by using the mean elevation of its end points.

The **SF** is used to correct distortion of the sea level distances that occurs because measurements made on the curved surface of the earth are being projected onto a flat plane. As with the **SLF**, small surveys may be corrected with an average factor for the area. Corrections for individual lines are unnecessary, except in high-precision surveys.

The **SLF** and **SF** are normally multiplied to derive the **combined grid factor (GF)**, which may then be used to reduce distances to the grid with one operation.

$$\text{GF} = \text{SLF} \times \text{SF}$$

Grid Distance = GF x horizontal distance at the surface

Anywhere in the Farragut area, a **local grid factor** of .9999089 may be used with acceptable precision for most surveys. This is based on a scale factor for the approximate middle latitude of the Town, and a mean elevation for the local area.

For example, using the published **SPC**, the grid distance inverted between Stations 013 and 014 is 3414.902 feet. A field measurement of this line produces a horizontal distance of 3415.173 feet.

Local reduction:

Grid Distance = $3415.173 \times .9999089 = 3414.862$ (**reduced measurement**)

$3414.862 - 3414.902$ (**inversed grid distance**) = 0.040 (precision ratio = 1:26.400±)

As can be seen here, the local factor gives satisfactory results for anything other than large control surveys. Depending on the location and elevation of a given survey, the agreement between the approximate and local reduction may be better or worse than in the above examples. An exact reduction exists, but it is beyond the scope of this manual. It is more trouble to apply, and will not give significantly different results from the approximate method until the line is several miles in length.

Elevations:

When an elevation is given to a tenth of a foot and followed by a "G" (e.g., 902.2G), it has been determined by GPS observations. Elevations given to a hundredth of a foot have been determined by differential leveling using second-order equipment, relative to benchmarks published by the NGS. All elevations are based on the **North American Vertical Datum of 1988** (NGVD88).

Town of Farragut Department of Engineering Survey Control Data

Date Observed: 2009 **Station:** 001

Northing: 567672.9976	Latitude: 35-52-43.66182 N	Scale Factor: 0.9999089
Easting: 2513185.2927	Longitude: 84-09-40.62377 W	Elevation: 890.2G

From Station: 001	~Azimuth~	~Grid Distance~
To Station: 002	356°25'30.4"	666.013

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 001-2002."

Location: 0.1 of a mile West of the intersection of S. Campbell Station Rd. & Municipal Center Dr. The Station lies on the North side of Municipal Center Dr. in front of Farragut Town Hall between the East entrance of the Post Office and the West entrance to ORNL Federal Credit Union.

Witness:

- #1: 70.6' East from 5 mph speed limit sign, East Post Office entrance.
 - #2: 74' West from stop sign
 - #3: 26.5' North of back curb on Northerly Margin of Municipal Center Drive
-

Date Observed: 2009 **Station:** 002

Northing: 568337.7146	Latitude: 35-52-50.24228 N	Scale Factor: 0.99990890569
Easting: 2513143.7645	Longitude: 84-09-40.97658 W	Elevation: 918.9G

From Station: 002	~Azimuth~	~Grid Distance~
To Station: 001	176°25'30.4"	666.013
To Station: 027	132°51'31.3"	4018.179

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 002-2002."

Location: The Station is located on the South side of Kingston Pike approximately 300' West of the intersection of Kingston Pike & South Campbell Station Rd.

Witness:

- #1: 1.0' South of the back edge of sidewalk East bound Kingston Pike.
 - #2: 41.5' East of a unlabeled utility pole between Domino's Pizza & vacant restaurant building.
 - #3: 76.5' West of a catch basin East bound Kingston Pike (In Turn Lane)
-

Date Observed: 2009

Station: 003

Northing: 571274.6693

Latitude: 35-53-19.65955 N

Scale Factor: 0.9999089

Easting: 2511113.2391

Longitude: 84-10-04.97963 W

Elevation: 927.9G

From Station: 003

~Azimuth~

~Grid Distance~

To Station: 004

308°35'05.0"

1742.433

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 003-2002."

Location: 282 Feet North of the intersection of Campbell Station Rd. & Herron Rd.. The station lies on the West side of Campbell Station Rd. in-between the Parking/Entrance to Farragut Branch Library & Asphalt Walking Trail.

Witness:

#1: 73' South from "Utility Pole" C15R/16-5

#2: 116.8' North from "Utility Pole" C15R/16

#3: 26.5' North of SSMH located in Parking/Entrance leading to the Library.

#4: 7' East from back curb of the Library Parking Lot

Date Observed: 2009

Station: 004

Northing: 572361.3746

Latitude: 35-53-30.65675 N

Scale Factor: 0.9999089

Easting: 2509751.2019

Longitude: 84-10-21.28363 W

Elevation: 976.7G

From Station: 004

~Azimuth~

~Grid Distance~

To Station: 003

128°35'05.0"

1742.433

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 004-2002."

Location: 0.1 of a mile South of the intersection of Campbell Station Rd. & Grigsby Chapel Rd.. The point is located on the West side of Campbell Station near 2nd entrance going South to Farragut Primary School.

Witness:

#1: 11.7' West of the West back of curb on Campbell Station.

#2: 29.4' North of an Auto Entry Only sign.

#3: 64.5' South of the South edge of a brick Farragut Primary School sign.

Date Observed: 2009

Station: 005

Northing: 576163.3088

Latitude: 35-54-08.10290N

Scale Factor: 0.9999089

Easting: 2510549.2128

Longitude: 84-10-10.72219 W

Elevation: 972.6G

From Station: 005

~Azimuth~

~Grid Distance~

To Station: 006

232°42'13.0

1291.852

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 005-2002."

Location: 225' East of the intersection of Snyder Road & N. Herron Road. The point is located on the North side of Snyder Road across from Buddy Gregg Mobile Homes.

Witness:

#1: 22.5' West of the 25 MPH speed limit sign.

#2: 53.2' Northeast chain link fence corner.

#3: 93.5' West from 36" Cedar North of Snyder Road.

Date Observed: 2009

Station: 006

Northing: 575380.5264

Latitude: 35-54-00.55262 N

Scale Factor: 0.9999089

Easting: 2509521.5299

Longitude: 84-10-23.38965 W

Elevation: 964.4G

From Station: 006

~Azimuth~

~Grid Distance~

To Station: 005

52°42'13.0"

1291.852

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 006-2002."

Location: 416' East of the intersection of Snyder Road & Campbell Station Road. The point is located on the South side of Snyder Road just North of a large Super 8 Motel sign.

Witness:

#1: 19.3' Northwest of a metal light pole.

#2: 11.8' South of the South edge of pavement of Snyder Road.

#3: 84.0' West of utility pole with CPT B1205

Date Observed: 2009 **Station:** 007

Northing: 571032.1572 **Latitude:** 35-53-19.44175N **Scale Factor:** 0.9999089
Easting: 2499204.9357 **Longitude:** 84-12-29.73658 W **Elevation:** 1059.9G

From Station: 007 **~Azimuth~** **~Grid Distance~**
To Station: 008 119°27'53.2" 968.942

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 007-2002."

Location: 0.1 of a mile North of the intersection of Oakley Downs Road & Everett Road on the Southwest side of Everett Road across Everett Road from House #736

Witness:

#1: 75.8' Northwest of K.U.B. pole CPT-B1288-SPP 2000 (LCUB 16400)

#2: 121.0' Southeast K.U.B. pole CPT-B399 SPPA 45A 4/40 (LCUB)

#3: 18.0' Southwest Centerline of Everett.

Date Observed: 2009 **Station:** 008

Northing: 570555.5459 **Latitude:** 35-53-14.57611 N **Scale Factor:** 0.9999089
Easting: 2500048.5530 **Longitude:** 84-12-19.59164 W **Elevation:** 1019.6G

From Station: 008 **~Azimuth~** **~Grid Distance~**
To Station: 007 299°27'53.2" 968.942

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 008-2002."

Location: The station is located in the Southeast Quadrant of Oakley Downs Road & Everett Road in front of the Residence #12336 Oakley Downs Road.

Witness:

#1: 5' East of the Back Curb on East margin of Everett Road.

#2: 5' Southeast Dead End sign.

#3: 47.5' Southeast street sign (Everett Road & Oakley Downs Road).

Date Observed: 2009

Station: 009

Northing: 567490.1270

Latitude: 35-52-44.74827 N

Scale Factor: 0.9999089

Easting: 2497375.8951

Longitude: 84-12-52.74731 W

Elevation: 1046.6G

From Station: 009

~Azimuth~

~Grid Distance~

To Station: 010

104°47'17.1"

1446.939

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 009-2002."

Location: The station lies on the South side of a grass median in front of a residence 643 Brochardt Blvd.

Witness:

#1: 51.8' Northwest of the Centerline intersection of Pepperwood Land & Brochardt. Blvd.

#2: 2.1' North of the South edge of pavement of a grass median island.

#3: 32.0' Southeast of a lamp post in a grass median island.

Date Observed: 2009

Station: 010

Northing: 567120.8036

Latitude: 35-52-40.84363 N

Scale Factor: 0.9999089

Easting: 2498774.9064

Longitude: 84-12-35.83146 W

Elevation: 931.1G

From Station: 010

~Azimuth~

~Grid Distance~

To Station: 009

284°47'17.1"

1446.939

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 010-2002."

Location: The station is located in the Northeast Quadrant of Brochardt Blvd. & Comblain Road near the Residence of 12724 Comblain Road.

Witness:

#1: 6' Northwest of the Northwest corner of the Electric Vault.

#2: 2.5' North of the back of curb, on North margin of Brochardt Blvd.

#3: 13.5' Southeast street sign of (Comblain Rd. & Brochardt Blvd.).

Date Observed: 2009

Station: 011

Northing: 563253.4187

Latitude: 35-52-03.50017 N

Scale Factor: 0.9999089

Easting: 2493787.3460

Longitude: 84-13-37.28082 W

Elevation: 1035.6G

From Station: 011

~Azimuth~

~Grid Distance~

To Station: 012R

136°49'29.3"

1536.469

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 011-2002."

Location: 170' North of the intersection of Sedgefield Road and Watt Road. The station is located on the East side of Watt Road in front of Jones Automotive.

Witness:

#1: 12.5' East of back curb on East margin of Watt Road.

#2: 35' Southwest service pole "Telephone Company #18".

#3: 84' South of the South edge of a SSMH.

Date Observed: 2009

Station: 012R

Northing: 562132.9257

Latitude: 35-51-52.23200 N

Scale Factor: 0.9999089

Easting: 2494838.6470

Longitude: 84-13-24.75647 W

Elevation: 979.8G

From Station: 012R

~Azimuth~

~Grid Distance~

To Station: 011

316°49'29.3"

1536.469

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 012R-2009."

Location: 0.2 of a mile South of the intersection of Sedgefield Road & Watt Road. The monument is located on the West side of Watt Road in Mayor Bob Leonard Park.

Witness:

#1: 42.5' Due East of a 7" pine.

#2: 33.6' West of the West face of curb Watt Road.

#3: 28' Northwest of a sanitary sewer manhole

Date Observed: 2009

Station: 013

Northing: 561919.9574

Latitude: 35-51-49.82605 N

Scale Factor: 0.9999089

Easting: 2496507.7046

Longitude: 84-13-04.52828 W

Elevation: 973.6G

From Station: 013

~Azimuth~

~Grid Distance~

To Station: 014R

62°32'03.0"

3414.902

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 013-2002."

Location: 0.2 of a mile East of the intersection of Watt Road & Kingston Pike. The station is located on the North side of Kingston Pike near the entrance to an abandoned business (4006 Kingston Pike).

Witness:

#1: 76' East of traffic light sign.

#2: 20' North SSWL (Solid White Line) on North margin of Kingston Pike.

#3: 30' West of centerline of a drive (vacant building) intersecting Kingston Pike.

Date Observed: 2009

Station: 014R

Northing: 563494.9774

Latitude: 35-52-04.85290 N

Scale Factor: 0.9999089

Easting: 2499537.6989

Longitude: 84-12-27.37059 W

Elevation: 919.7G

From Station: 014R

~Azimuth~

~Grid Distance~

To Station: 013

242°32'03.0"

3414.902

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 014R-2009."

Location: The station is located in the Southwest Quadrant of the intersection of Kingston Pike & Way Station Trail. 69' Southwest of Intersection.

Witness:

#1: 22.0' Southwest of Utility Pole.

#2: 14.6' Southeast of Water Valve in Sidewalk.

#3: 60.0' Northwest of the Northwest corner of Old Stage Hills sign.

Date Observed: 2009

Station: 015R

Northing: 564866.7687

Latitude: 35-52-17.03347 N

Scale Factor: 0.9999089

Easting: 2507124.0867

Longitude: 84-10-54.89997 W

Elevation: 922.3G

From Station: 015R

~Azimuth~

~Grid Distance~

To Station: 016R

55°44'07.7"

1656.172

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 015R-2009."

Location: 77.0' West of the intersection of Smith Road & Kingston Pike. The point is located on the North side of Kingston Pike in front of Weigel's Farm Store (12001 Kingston Pike)

Witness:

#1: 4.2' North from back of North curb of Kingston Pike

#2: 37.1' West from Utility Pole in Northwest quadrant of intersection.

#3: 35.4' South from the Southeast corner of Weigel's brick sign.

Date Observed: 2009

Station: 016R

Northing: 565799.2173

Latitude: 35-52-26.00183 N

Scale Factor: 0.9999089

Easting: 2508492.8253

Longitude: 84-10-38-06055W

Elevation: 933.2G

From Station: 016R

~Azimuth~

~Grid Distance~

To Station: 015R

235°44'07.7"

1656.172

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 016R-2009."

Location: Located on top slope of drainage ditch in front of Ingles shopping Center.

Witness:

#1: 66.0' West from the West edge of a catch basin in North edge of Kingston Pike.

#2: 3.1' West from the edge of sidewalk.

#3: 6.0' Northwest from a utility pole.

Date Observed: 2009

Station: 017R

Northing: 557803.6195

Latitude: 35-51-07-68917 N

Scale Factor: 0.9999089

Easting: 2504411.8849

Longitude: 84-11-29.43564 W

Elevation: 950.4G

From Station: 017R

~Azimuth~

~Grid Distance~

To Station: 018

216°02'54.9"

751.979

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 017R-2009."

Location: 284' North of the intersection of McFee Road & Allen Kirby. The point is located on the East side of McFee Road in front of the residence 624 McFee Road.

Witness:

#1: 29.5' East from Centerline McFee Road.

#2: 85.0' Northeast of LCUB Pole 22

#3: 45.0' South IP in Pipe in Conc.@ Northwest corner of Property of 624 McFee Road

#4: 107.0' North of Mailbox for 624 McFee Road.

Date Observed: 2009

Station: 018

Northing: 557195.6307

Latitude: 35-51-01.75812 N

Scale Factor: 0.9999089

Easting: 2503969.3670

Longitude: 84-11-34.94674 W

Elevation: 965.8G

From Station: 018

~Azimuth~

~Grid Distance~

To Station: 017R

36°02'54.9"

751.979

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 018-2002."

Location: 0.1 of a mile from the intersection of McFee Road & Allen Kirby Road. The point is located on the North side of Allen Kirby Road, just East of the residence 12820 Kirby Road.

Witness:

#1: 99.5' West Telephone Pole # E 86 21R/2.

#2: 200' East Service Pole # E 86 21R/3.

#3: 9' North of the North edge of pavement.

Date Observed: 2009

Station: 019R

Northing: 555455.2288

Latitude: 35-50-44.21427N

Scale Factor: 0.9999089

Easting: 2505798.2765

Longitude: 84-11-13.12526 W

Elevation: 927.9G

From Station: 019R

~Azimuth~

~Grid Distance~

To Station: 020

143°18'18.5"

1877.430

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 019R-2009."

Location: 94.0' Southwest of Center of the Round-About on McFee Road at McFee Park. The station is located on the West side of McFee Road in a grass field owned by the Town of Farragut.

Witness:

#1: 54.0' Northwest of LCUB Pole "B7/06 – SPPA45 – 3/50"

#2: 93.8' Southwest of center of "Round-About" in McFee Road.

#3: 23.3' Southeast of Yield Sign.

Date Observed: 2009

Station: 020

Northing: 553949.8503

Latitude: 35-50-29.12313 N

Scale Factor: 0.9999089

Easting: 2506920.1412

Longitude: 84-10-59.83986 W

Elevation: 840.2G

From Station: 020

~Azimuth~

~Grid Distance~

To Station: 019R

323°18'18.5"

1877.430

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 020-2002."

Location: The point is located at the intersection of McFee Road & Boyd Station Road. The point lies just South of the intersection and approximately 5' West of the projected Centerline McFee Road in the Right-of-Way of Southern R.R.

Witness:

#1: 7.0' Southwest of Left-Right Arrow sign.

#2: 14.6' South of the South edge of pavement of Boyd Station Road.

#3: 19.4' North of the Northern most rail Southern R.R.

Date Observed: 2009

Station: 021

Northing: 559748.8485

Latitude: 35-51-26.38298 N

Scale Factor: 0.9999089

Easting: 2507363.3714

Longitude: 84-10-53.14845 W

Elevation: 950.6G

From Station: 021

~Azimuth~

~Grid Distance~

To Station: 022

131°57'09.7"

636.033

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 021-2002."

Location: 0.1 of a mile North of the intersection of Vista Brook Lane & Stone Vista Lane. The point is located on the South side of the Stone Vista Lane in-between the curb & the gutter & the sidewalk.

Witness:

#1: 10' Northeast of a Fire Hydrant.

#2: 8' East of a Water Valve.

#3: 4' South of the back of curb on South margin of Stone Vista Lane.

#4: 45' Northwest 557 Stone Vista Lane Mail Box

Date Observed: 2009

Station: 022

Northing: 559323.6495

Latitude: 35-51-22.09160 N

Scale Factor: 0.9999089

Easting: 2507836.3875

Longitude: 84-10-47.49899 W

Elevation: 876.8G

From Station: 022

~Azimuth~

~Grid Distance~

To Station: 021

311°57'09.7"

636.033

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 022-2002."

Location: The point is located in the Northeast Quadrant of Vista Brook Lane and Stone Vista Lane. Both of which are located in "The Vista" Subdivision off of Virtue Road.

Witness:

#1: 53.4' East from FH West side of Stone Vista Lane.

#2: 2.0' East from Southeast corner curb at entrance of Stone Vista Lane.

#3: 14.0' West of Northwest corner of Stone Street column "Vista Brook Lane & Stone Vista Lane".

Date Observed: 2009

Station: 023R

Northing: 558500.4997

Latitude: 35-51-12.84767 N

Scale Factor: 0.9999089

Easting: 2513808.9961

Longitude: 84-09-35.14166 W

Elevation: 825.4G

From Station: 023R

~Azimuth~

~Grid Distance~

To Station: 024

32°14'18.4"

1691.725

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 023R-2009."

Location: 255 ft. West of the intersection of Sailview Road and Turkey Creek Rd. The point is located on the South side of Turkey Creek Road between the curb and gutter and the railroad tracks.

Witness:

#1: 65' Northeast of East End of 18" HDPE (Plastic Pipe)

#2: 39' Northwest of the Centerline of the Northernmost train track

#3: 4.4' behind face of curb on South side Turkey Creek Road.

Date Observed: 2009

Station: 024

Northing: 559931.4208

Latitude: 35-51-26.82878 N

Scale Factor: 0.9999089

Easting: 2514711.4368

Longitude: 84-09-23.85327 W

Elevation: 836.0G

From Station: 024

~Azimuth~

~Grid Distance~

To Station: 023R

212°14'18.4"

1691.725

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 024-2002."

Location: 580 ft. Northeast of the intersection of Spinnaker Road and Turkey Creek Rd. The station is located on the Southeast side of Turkey Creek and on East side of the main entrance to Anchor Park Town of Farragut.

Witness:

#1: 17.8 ft. Northwest from Stop sign at main entrance.

#2: 109.0 ft. West of LCUB pole "CPT-B396-8/30" North main entrance.

#3: 9.8 ft. Southeast of the back of curb of the East radius to the main entrance.

#4: 3' South of a wood Fence

Date Observed: 2009

Station: 025

Northing: 563137.6196

Latitude: 35-51-58.08823 N

Scale Factor: 0.9999089

Easting: 2517087.7378

Longitude: 84-08-54.25260 W

Elevation: 815.0G

From Station: 025

~Azimuth~

~Grid Distance~

To Station: 026R

38°01'12.9"

1589.456

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 025-2002."

Location: 26 ft. Northeast of the intersection of Turkey Creek Rd. and Lindsey Lane. The point is located on the Southeast side of Turkey Creek Road Approx. 2 ft. West of a crosstie seawall next to the lake and boathouse.

Witness:

#1: 206.5 ft. Southwest of telephone pole at intersection of Redmill Lane and Turkey Creek Road – East side of Turkey Creek Rd.

#2: 54.2 ft. North of LCUB pole "H684-SPPAH-630"/East side Turkey Creek Rd. in front of boathouse.

#3: 22 ft. East of roadway intersection sign – East side of Turkey Creek Rd.

Date Observed: 2009

Station: 026R

Northing: 564389.7822

Latitude: 35-52-10.28631 N

Scale Factor: 0.9999089

Easting: 2518066.7472

Longitude: 84-08-42.07141 W

Elevation: 856.8G

From Station: 026R

~Azimuth~

~Grid Distance~

To Station: 025

218°01'12.9"

1589.456

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 026R-2009."

Location: 79' South of the intersection of Concord Road and Fairground Drive. The point is located on the East side of Concord Road.

Witness:

#1: 54.9 ft. Northwest of a traffic signal sign.

#2: 37.2 ft. Southeast of the Southeast corner of a catch basin.

#3: 22.9 ft. Southeast of a gas valve in Concord Road.

#4: 5 ft. off back of curb.

Date Observed: 2009

Station: 027

Northing: 565604.5798

Latitude: 35-52-22.66827 N

Scale Factor: 0.9999089

Easting: 2516089.2247

Longitude: 84-09-05.81632 W

Elevation: 973.5G

From Station: 027

~Azimuth~

~Grid Distance~

To Station: 028

23°46'11.4"

1964.724

To Station: 002

312°51'31.3"

4018.179

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 027-2002."

Location: 90 ft. West of the intersection of Hattera's Rd. and Sundancer Rd. The station is located in the rear property line of 11119 Hattera's Rd.

Witness:

#1: 5.2' Southeast from 8" diameter fence intersection post.

#2: 20' Northwest from a 2' diameter oak.

#3: 83.8' North from Northeast corner of the house.

Date Observed: 2009

Station: 028

Northing: 567402.6407

Latitude: 35-52-40.29952 N

Scale Factor: 0.9999089

Easting: 2516881.1331

Longitude: 84-08-55.78228 W

Elevation: 888.2G

From Station: 028

~Azimuth~

~Grid Distance~

To Station: 027

203°46'11.4"

1964.724

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 028-2002."

Location: 87' North of the intersection of Farragut Hills Blvd. and Concord Road. The point is located on the West side of Concord Road at Pleasant Forest Cemetery.

Witness:

#1: 9.6 ft. West of the West edge of Pavement of Concord Road.

#2: 15 ft. South of the end of a rock wall.

#3: 21 ft. Southwest of a utility pole marked CPT-B505-SPPA.

Date Observed: 2009

Station: 029

Northing: 570378.3315

Latitude: 35-53-09.84048 N

Scale Factor: 0.9999089

Easting: 2516253.7920

Longitude: 84-09-02.72104 W

Elevation: 895.0G

From Station: 029

~Azimuth~

~Grid Distance~

To Station: 030

232°29'42.3"

1367.159

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 029-2002."

Location: 0.2 ft. of a mile East of the intersection of Kingston Pike and Concord Rd. The point is located on the South side of Kingston Pike in between curb and gutter and sidewalk in front of Hollywood Video.

Witness:

#1: 11.0 ft. Southeast of a catch basin.

#2: 28.0 ft. Northeast of the most Northwest corner of curb at Hollywood Video.

#3: 109.7 ft. West of Utility Pole #79.

Date Observed: 2009

Station: 030

Northing: 569545.9644

Latitude: 35-53-01.81248 N

Scale Factor: 0.9999089

Easting: 2515169.2233

Longitude: 84-09-16.09026 W

Elevation: 875.8G

From Station: 030

~Azimuth~

~Grid Distance~

To Station: 029

52°29'42.3"

1367.159

Description: 3.5" aluminum disk set in concrete, stamped "Town of Farragut Tennessee, 1980, 030-2002."

Location: 44 ft. East of the intersection of Kingston Pike and West Point Drive. The station is located on the South side of Kingston Pike just East of Toyama Japanese Grill.

Witness:

#1: 3.0 ft. South of guardrail.

#2: 32.0 ft. East of LCUB pole "270"/1st pole East entrance of Toyama Japanese Grill.

#3: 22.6 ft. West of "Turkey Creek" sign.

#4: 11.0 ft. South of a gas valve in Kingston Pike.
