September 18, 2013

# Commonwealth Aerial Photography and Elevation Data Program

## For

## The Commonwealth of Kentucky

## Photogrammetric Ground Control and LiDAR Ground Truing Points

PSI NO. 7145-003

GRWAS NO. 2576-096

Presented By:

PHOTO SCIENCE
Geospatial Solutions

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Lexington, Ky 40503
859-277-8700

**PSI Project No. 7145-003**
**GRWAS Project No. 2576-096**

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# and
# Elevation Data Program

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# Photogrammetric Ground Control
# and
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## Table of Contents


I Survey Report

II Coordinate Summary for Control and Ground Truing Points

III Data Log Sheets with Photographs

IV NGS Data Sheets

# Survey Report

# Summary

**Commonwealth Aerial Photography and Elevation Data Program**

**for**

**The Commonwealth of Kentucky**

**Photogrammetric Ground Control and LiDAR Truing Points**

# Survey Report

GRW Aerial Surveys, Inc. (GRWAS) was contracted by Photo Science, Inc. (PSI) to collect of 150 photogrammetric ground control points (control) along with 5 LiDAR ground truing points (truing) associated with each control point.

The five truing points were collected in the following five different land cover types:

1) BE Bare Earth and low grass (e.g. plowed fields, lawns, golf courses)

2) HG High Grass, weeds, and crops (e.g. hay fields, corn fields, wheat fields)

3) BR Brush land and low trees (e.g. scrubby low trees and bushes)

4) FA Forested, fully covered by trees (e.g. hardwoods, evergreens, mixed forest)

5) UA Urban Areas (e.g. high dense manmade structures)

The control and truing points observed are encompassed by the following Kentucky counties: Ballard, Caldwell, Calloway, Carlisle, Crittenden, Daviess, Graves, Hancock, Henderson, Livingston, Lyon, Marshall, McCracken, Trigg, Union, and Webster. Additional sites were located in Pulaski county, Illinois, Indiana counties: Posey, Spencer, Vanderburgh, and Warrick, and Stewart county Tennessee.

Real Time Kinnematic GNSS survey techniques were selected as the primary means of collecting positions and elevations for the control and truing points, utilizing the Kentucky Transportation Cabinet's Real Time Network (KYTCRTN) in Virtual Reference System (VRS) mode. At this time the KYTCRTN was/is broadcasting corrections in NAD83(NSRS 2007) epoch 2002.00 and NAVD 88 using the National Geodetic Survey (NGS) Geoid09 geoid model.

Where the lack of reliable cell phone service precluded the use of the RTN, or the KYTCRTN was out of service (GPS day 219) short static GPS sessions were observed for the control points along with a supporting back sight points. The static GPS data was then processed using Trimble's Business Center (TBC) software in conjunction with Continuously Operating Reference Stations (CORS) data obtained from the NGS and the KYTCRTN and constrained to NAD83(NSRS 2007) epoch 2002.00 and NAVD 88 (using the Geoid09 geoid model) coordinates for the CORS stations in a least squares network

adjustment. The computed coordinates for the control point and back sight point were used to compute positions for the truing points from data collected using conventional surveying techniques (i.e. total station).

On GPS days 190, 191, and 192 a RTK base station was set up on temporary station PAH TSM 1 collecting static data and broadcasting RTK corrections (RTK with Infill) to a roving receiver via a cell phone data link. The static data was sent to the NGS Online Positioning Service (OPUS) for position computations. The positions returned by OPUS were in the NAD83(2011) epoch 2010.00 with NAVD 88 elevations using the NGS geoid model Geoid12A. The three positions so obtained were meaned and the NGS program GEOCON11 was used to transform them to NAD83(NSRS 2007) epoch 2002.00.

NGS and KYTC geodetic control stations were used as RTK validation points.

During the initial field observation campaign (June & July 2013), some if the positions collected were "position only" i.e. without base to rover vector data due to an incorrect setting in the survey controller's survey style. During the initial QA (Quality Assurance) process this was detected and it raised concerns regarding GRWAS's ability to confirm the traceability and quality of those positions. To correct this situation, the field crew was sent back (August 2013) to the various sites affected by the omitted data to re-observe the positions that were lacking vector information. All RTK derived positions presented in this survey report were collected with vector data.

The method used to position both the control and truing points may be found in the Coordinate Summary.

In general, control points and back sights are recoverable physical features or temporary markers e.g. mag-nails. No recoverable markers were set at the truing point locations. Digital photographs were taken of both control and truing locations (see data sheets). Control stations are labeled with the stations names as provided by PSI. The back site points are labeled with the control station name followed by an AZI suffix. The truing points are labeled with the control station name followed by "-XX" where "XX" is the ground cover type code represented by the truing point.

**Time Frame:**

Date of first field observation: GPS DOY 175 6/24/2013

Date of last field observation: GPS DOY 221 8/09/2013

**GRWAS Personnel:**

Ed Rinehart KYPLS #2283 - Project Administration & Management

Wolfgang Ziegler KYPLS #3098 – Computation, Analysis, Report Preparation

Bryan Novy – Field Party Chief

Cody Sanders – Field Party Member

Anthony Deprosky – Survey Party Member

**Survey Equipment:**

Trimble R8-2 GNSS Receiver S/N 4849161172 with integrated antenna

Trimble R8-2 GNSS Receiver S/N 4849161142 with integrated antenna

Trimble R7 GNSS Receiver S/N 4906K34257
With TRM57971.00 antenna S/N 1440929179

Fixed height 2.000 meter by-pods and tri-pods were used for all GPS/GNSS observations.

A 0.152m extension was used when a R8-2 receiver was used as a base.

**Office Equipment & Software:**

Dell Precision M4400 notebook computer.

Microsoft Word 2010

Microsoft Excel 2010

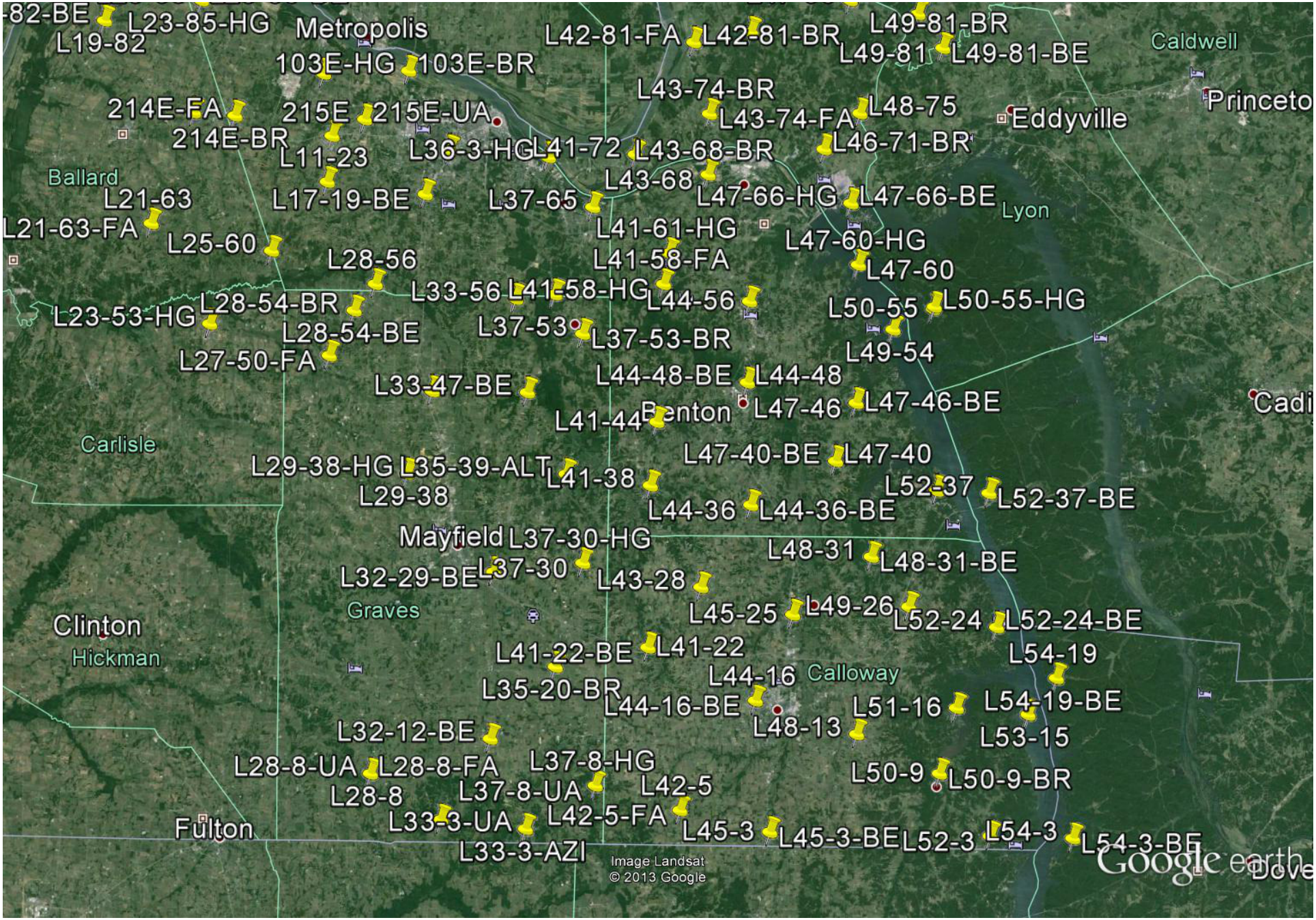
Adobe Acrobat V9

USACE Corpscon v6.0

Trimble Business Center V2.6

KMLCSV Converter V2.1.0

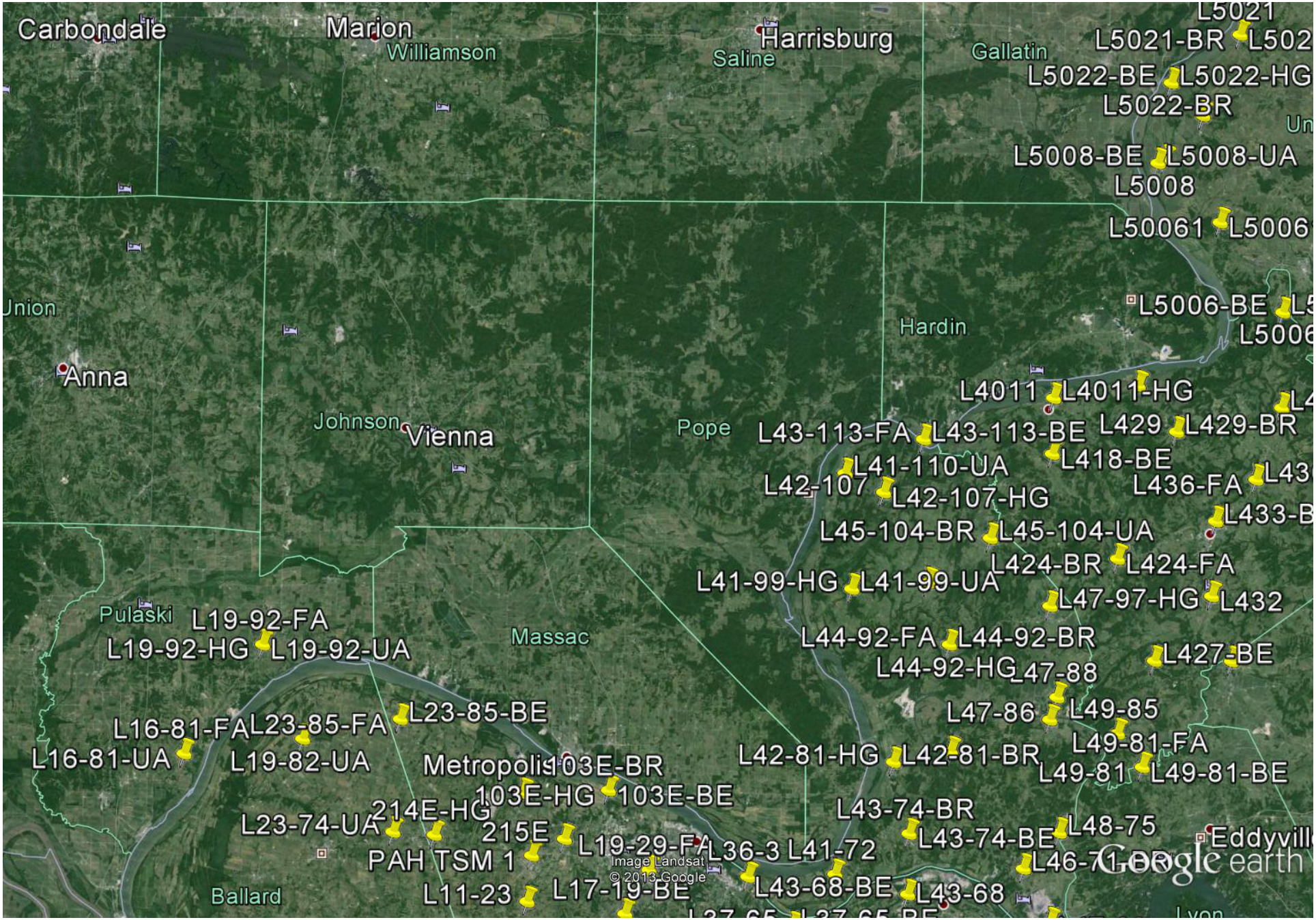
GEOCON11




Google earth

miles 40

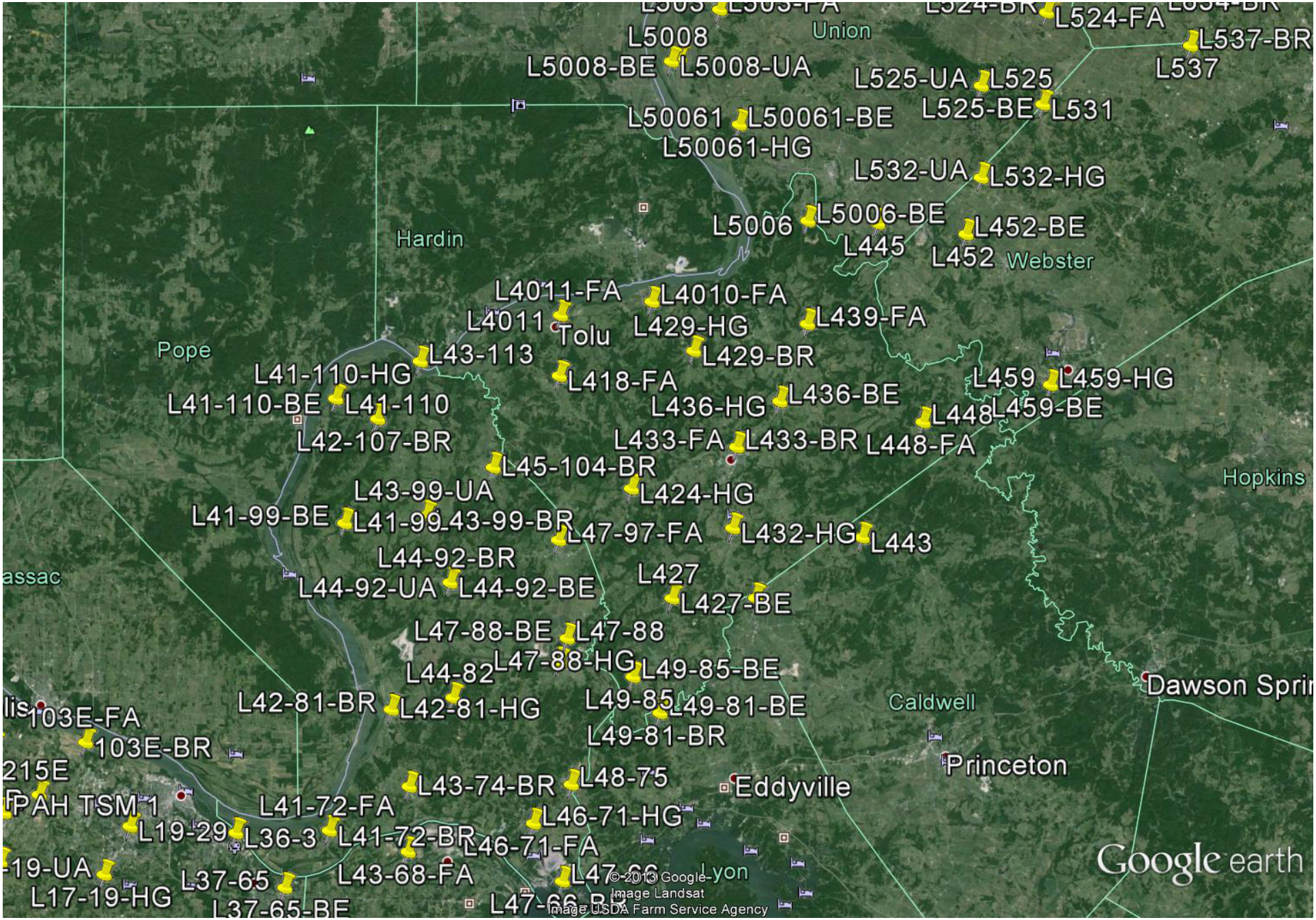
km 70




Google earth

miles 40

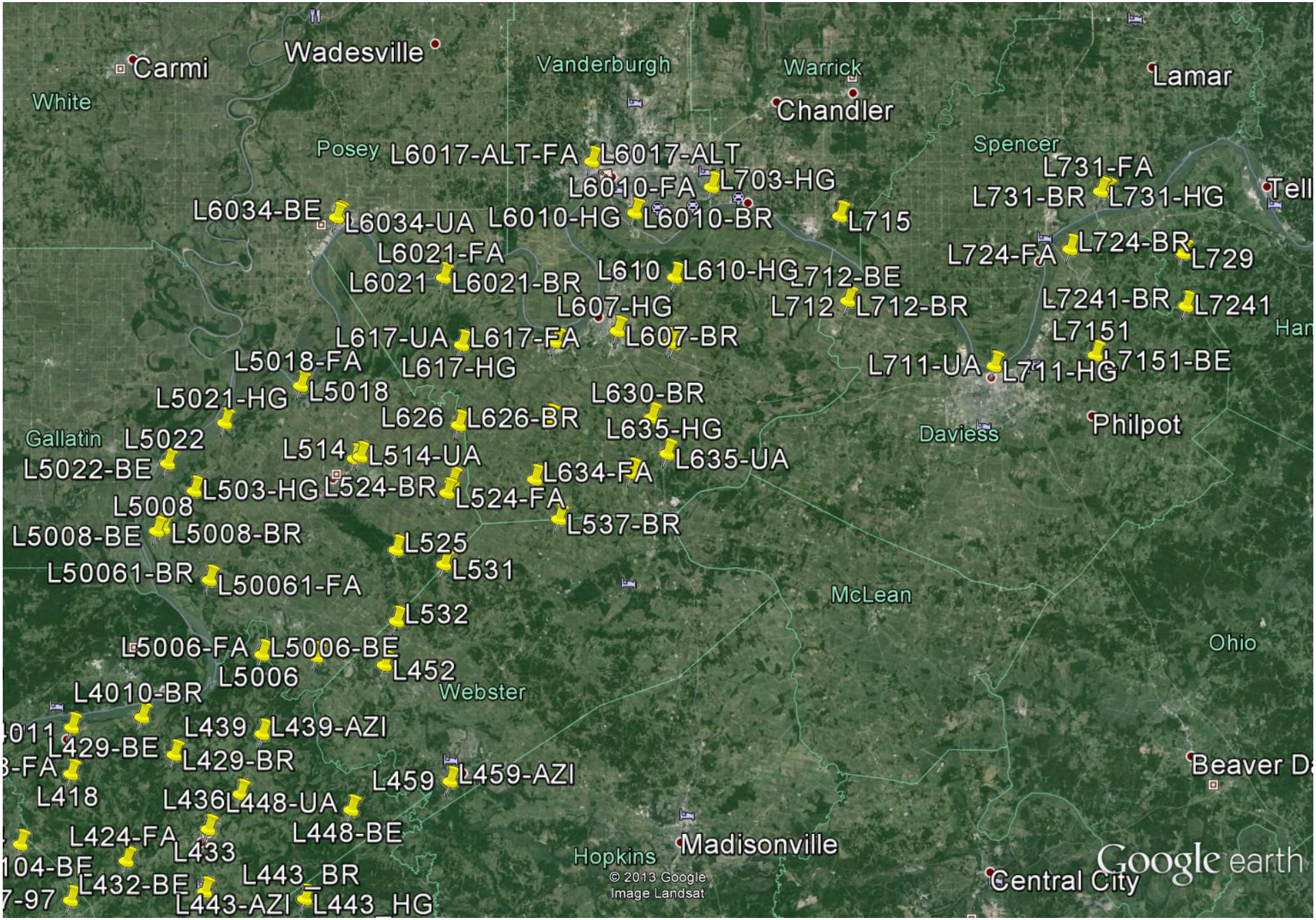
km 70




Google earth

miles 40

km 60




Google earth

miles 50

km 90

# Coordinate Summary for Photogrammetric Ground Control and LiDAR Truing Points

**Horizontal = NAD 83(CORS 96/NSRS 2007 Epoch 2002.00) KY S.P.C.S. - Single Zone - U.S. Survey Feet**
**Vertical = NAVD 88(GEOID09) - U.S. Survey Feet**

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| 103E | 3578577.59 | 4063132.73 | 347.50 | RTK | N TIP PAINTED CHEVRON NAIL SET |
| 103E-BE | 3578540.41 | 4063142.50 | 346.65 | RTK | |
| 103E-BR | 3578449.78 | 4063076.36 | 346.00 | RTK | |
| 103E-FA | 3578522.59 | 4063072.99 | 344.67 | RTK | |
| 103E-HG | 3578502.67 | 4063155.37 | 345.55 | RTK | |
| 103E-UA | 3578558.62 | 4063145.09 | 347.49 | RTK | |
| 214E | 3566673.54 | 4011362.16 | 448.95 | RTK | S END OF W MOST PARK STRIPE NAIL SET |
| 214E-BE | 3566703.65 | 4011382.16 | 448.30 | RTK | |
| 214E-BR | 3566538.85 | 4011319.98 | 448.52 | RTK | |
| 214E-FA | 3566583.40 | 4011511.96 | 454.69 | RTK | |
| 214E-HG | 3566657.35 | 4011479.32 | 451.44 | RTK | |
| 214E-UA | 3566633.16 | 4011287.88 | 448.79 | RTK | |
| 215E | 3564508.65 | 4049803.53 | 359.16 | RTK | CL W END STOP BAR NAIL SET |
| 215E-BE | 3564734.14 | 4049872.21 | 365.84 | RTK | |
| 215E-BR | 3564593.85 | 4049779.80 | 354.82 | RTK | |
| 215E-FA | 3564665.23 | 4049823.29 | 359.59 | RTK | |
| 215E-HG | 3564558.64 | 4049801.02 | 357.11 | RTK | |
| 215E-UA | 3564528.33 | 4049826.45 | 358.73 | RTK | |
| L11-23 | 3546407.59 | 4038309.07 | 483.88 | RTK | CL W END STOP BAR NAIL SET |
| L11-23-BE | 3546516.79 | 4038403.22 | 481.39 | RTK | |
| L11-23-BR | 3546391.21 | 4038207.68 | 482.28 | RTK | |
| L11-23-FA | 3546530.45 | 4038167.51 | 478.28 | RTK | |
| L11-23-HG | 3546464.01 | 4038184.52 | 479.87 | RTK | |
| L11-23-UA | 3546385.35 | 4038242.75 | 483.43 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L16-81 | 3592256.57 | 3938111.36 | 349.33 | RTK | W EDGE RD @ N EDGE GEAVEL DR NAIL SET |
| L16-81-BE | 3592309.19 | 3938099.78 | 347.22 | RTK | |
| L16-81-BR | 3592229.45 | 3938095.95 | 349.61 | RTK | |
| L16-81-FA | 3592265.42 | 3938083.61 | 348.31 | RTK | |
| L16-81-HG | 3592253.52 | 3938140.65 | 349.12 | RTK | |
| L16-81-UA | 3592263.71 | 3938120.48 | 349.25 | RTK | |
| L17-19 | 3542084.14 | 4067081.35 | 445.45 | RTK | NW CNR ASPH PULL OFF NAIL SET |
| L17-19-BE | 3542030.49 | 4067119.66 | 449.95 | RTK | |
| L17-19-BR | 3542018.66 | 4067025.70 | 432.75 | RTK | |
| L17-19-FA | 3542101.91 | 4066967.75 | 434.17 | RTK | |
| L17-19-HG | 3542183.03 | 4066920.99 | 438.41 | RTK | |
| L17-19-UA | 3542074.72 | 4067104.72 | 448.87 | RTK | |
| L19-29 | 3555172.69 | 4074522.48 | 429.27 | RTK | CL SE END STOP BAR NAIL SET |
| L19-29-BE | 3554961.35 | 4074575.59 | 425.57 | RTK | |
| L19-29-BR | 3554785.76 | 4074509.22 | 419.10 | RTK | |
| L19-29-FA | 3554840.50 | 4074552.73 | 419.98 | RTK | |
| L19-29-HG | 3554985.99 | 4074607.18 | 418.65 | RTK | |
| L19-29-UA | 3555119.91 | 4074523.44 | 430.10 | RTK | |
| L19-82 | 3595755.74 | 3973318.31 | 351.92 | RTK | CL SW EDGE STOP BAR NAIL SET |
| L19-82-BE | 3595652.29 | 3973447.81 | 348.22 | RTK | |
| L19-82-BR | 3595772.65 | 3973338.74 | 351.79 | RTK | |
| L19-82-FA | 3595699.55 | 3973439.22 | 348.32 | RTK | |
| L19-82-HG | 3595775.09 | 3973277.54 | 353.18 | RTK | |
| L19-82-UA | 3595788.32 | 3973302.81 | 352.31 | RTK | |
| L19-92 | 3623996.36 | 3962168.55 | 387.89 | RTK | SE EDGE RD @ NE EDGE DR NAIL SET |
| L19-92-BE | 3623972.59 | 3962198.17 | 388.24 | RTK | |
| L19-92-BR | 3623933.98 | 3962245.32 | 388.17 | RTK | |
| L19-92-FA | 3623790.00 | 3962181.28 | 388.31 | RTK | |
| L19-92-HG | 3624025.55 | 3962289.29 | 384.90 | RTK | |
| L19-92-UA | 3623846.88 | 3962139.01 | 390.91 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L21-63 | 3535544.71 | 3986006.38 | 461.11 | RTK | CL E END STOP BAR NAIL SET |
| L21-63-BE | 3535634.89 | 3985912.99 | 458.31 | RTK | |
| L21-63-BR | 3535507.68 | 3985947.00 | 459.24 | RTK | |
| L21-63-FA | 3535639.93 | 3986033.05 | 458.87 | RTK | |
| L21-63-HG | 3535480.44 | 3985970.61 | 461.05 | RTK | |
| L21-63-UA | 3535512.29 | 3985991.36 | 461.16 | RTK | |
| L23-53 | 3505462.08 | 4002475.79 | 391.76 | RTK | SE CNR PAINTED NO PARK BLOCK NAIL SET |
| L23-53-BE | 3505397.33 | 4002478.63 | 391.29 | RTK | |
| L23-53-BR | 3505575.89 | 4002648.44 | 389.44 | RTK | |
| L23-53-FA | 3505726.50 | 4002597.06 | 381.54 | RTK | |
| L23-53-HG | 3505616.47 | 4002587.87 | 389.77 | RTK | |
| L23-53-UA | 3505440.03 | 4002474.95 | 391.67 | RTK | |
| L23-74 | 3567883.58 | 3999313.53 | 435.79 | RTK | S RD EDGE @ E EDGE CONC DRIVE NAIL SET |
| L23-74-BE | 3567861.17 | 3999329.57 | 433.12 | RTK | |
| L23-74-BR | 3568034.83 | 3999142.45 | 431.22 | RTK | |
| L23-74-FA | 3567836.84 | 3999311.92 | 432.31 | RTK | |
| L23-74-HG | 3567894.63 | 3999195.26 | 433.33 | RTK | |
| L23-74-UA | 3567819.73 | 3999292.50 | 430.45 | RTK | |
| L23-85 | 3600851.44 | 4002288.08 | 355.92 | RTK | SE CNR ASPH PATCH NAIL SET |
| L23-85-BE | 3600802.69 | 4002332.86 | 359.20 | RTK | |
| L23-85-BR | 3601017.17 | 4002027.16 | 348.62 | RTK | |
| L23-85-FA | 3600902.66 | 4002309.70 | 359.11 | RTK | |
| L23-85-HG | 3600836.30 | 4002312.57 | 359.46 | RTK | |
| L23-85-UA | 3600911.46 | 4002235.83 | 353.80 | RTK | |
| L25-60 | 3526576.61 | 4021414.77 | 356.56 | RTK | CL SE END STOP BAR NAIL SET |
| L25-60-BE | 3526463.89 | 4021185.71 | 365.37 | RTK | |
| L25-60-BR | 3526495.01 | 4021215.13 | 365.03 | RTK | |
| L25-60-FA | 3526428.19 | 4021221.32 | 364.21 | RTK | |
| L25-60-HG | 3526458.81 | 4021294.78 | 362.65 | RTK | |
| L25-60-UA | 3526571.54 | 4021358.93 | 357.29 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L27-50 | 3495565.09 | 4037415.50 | 462.20 | RTK | NE EDGE RD @ SE EDGE DRIVE NAIL SET |
| L27-50-BE | 3495505.23 | 4037402.59 | 465.50 | RTK | |
| L27-50-BR | 3495475.79 | 4037433.40 | 467.14 | RTK | |
| L27-50-FA | 3495387.10 | 4037711.41 | 458.10 | RTK | |
| L27-50-HG | 3495352.92 | 4037719.54 | 457.59 | RTK | |
| L27-50-UA | 3495545.51 | 4037425.26 | 462.54 | RTK | |
| L28-8 | 3372387.90 | 4046737.38 | 535.81 | KYVRS | CL S ISECT PARK STRIPES NAIL SET |
| L28-8-BE | 3372341.33 | 4046746.54 | 532.39 | KYVRS | |
| L28-8-BR | 3372318.40 | 4046583.78 | 527.67 | KYVRS | |
| L28-8-FA | 3372345.00 | 4046687.45 | 532.85 | KYVRS | |
| L28-8-HG | 3372247.61 | 4046724.26 | 525.11 | KYVRS | |
| L28-8-UA | 3372390.49 | 4046806.30 | 535.02 | KYVRS | |
| L28-54 | 3508488.61 | 4045317.96 | 477.91 | RTK | CL SE END STOP BAR NAIL SET |
| L28-54-BE | 3508512.09 | 4045358.16 | 478.77 | RTK | |
| L28-54-BR | 3508424.93 | 4045358.35 | 476.94 | RTK | |
| L28-54-FA | 3508556.84 | 4045307.75 | 476.00 | RTK | |
| L28-54-HG | 3508430.07 | 4045335.46 | 476.62 | RTK | |
| L28-54-UA | 3508491.56 | 4045344.67 | 478.96 | RTK | |
| L28-56 | 3516060.40 | 4051770.36 | 382.94 | RTK | CL SE END STOP BAR NAIL SET |
| L28-56-BE | 3516081.62 | 4051731.95 | 384.92 | RTK | |
| L28-56-BR | 3516124.11 | 4051700.01 | 385.34 | RTK | |
| L28-56-FA | 3516037.63 | 4051696.29 | 386.05 | RTK | |
| L28-56-HG | 3515991.39 | 4051558.44 | 385.67 | RTK | |
| L28-56-UA | 3516052.10 | 4051750.57 | 383.42 | RTK | |
| L29-38 | 3460243.95 | 4059864.30 | 499.30 | RTK | SE CNR CONC APRON |
| L29-38-BE | 3460275.33 | 4059919.21 | 498.88 | RTK | |
| L29-38-BR | 3460318.29 | 4059902.15 | 500.06 | RTK | |
| L29-38-FA | 3460316.85 | 4059853.32 | 501.58 | RTK | |
| L29-38-HG | 3460212.22 | 4059915.19 | 500.09 | RTK | |
| L29-38-UA | 3460232.96 | 4059895.04 | 499.15 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L30-4-ALT | 3358314.30 | 4067160.57 | 426.27 | KYVRS | SE CNR DR @ N EDGE RD NAIL SET |
| L30-4-ALT-BE | 3358340.54 | 4067193.02 | 427.52 | KYVRS | |
| L30-4-ALT-BR | 3358265.08 | 4067031.86 | 430.78 | KYVRS | |
| L30-4-ALT-FA | 3358299.05 | 4067059.42 | 426.96 | KYVRS | |
| L30-4-ALT-HG | 3358325.10 | 4066982.69 | 429.42 | KYVRS | |
| L30-4-ALT-UA | 3358302.06 | 4067210.37 | 425.51 | KYVRS | |
| L30-46 | 3484303.56 | 4067627.08 | 480.84 | RTK | NE CNR ASPHALT COLOR CHANGE NAIL SET |
| L30-46-BE | 3484213.20 | 4067788.26 | 467.06 | RTK | |
| L30-46-BR | 3484177.21 | 4067833.48 | 467.59 | RTK | |
| L30-46-FA | 3484385.01 | 4067679.30 | 468.34 | RTK | |
| L30-46-HG | 3484362.48 | 4067612.34 | 479.57 | RTK | |
| L30-46-UA | 3484343.31 | 4067604.61 | 481.27 | RTK | |
| L32-12 | 3381768.27 | 4082356.13 | 556.41 | KYVRS | SW CNR ISECT @ COLOR CHANGE NAIL SET |
| L32-12-BE | 3381818.93 | 4082430.29 | 555.48 | KYVRS | |
| L32-12-BR | 3381746.59 | 4082403.08 | 557.31 | KYVRS | |
| L32-12-FA | 3381771.68 | 4081967.59 | 552.12 | KYVRS | |
| L32-12-HG | 3381808.09 | 4082387.18 | 553.58 | KYVRS | |
| L32-12-UA | 3381790.27 | 4082064.26 | 551.58 | KYVRS | |
| L32-29 | 3430635.30 | 4084387.31 | 457.13 | KYVRS | CL W EDGE STOP BAR NAIL SET |
| L32-29-BE | 3430697.73 | 4084665.04 | 453.20 | KYVRS | |
| L32-29-BR | 3430788.23 | 4084432.35 | 448.67 | KYVRS | |
| L32-29-FA | 3430755.70 | 4084402.83 | 449.67 | KYVRS | |
| L32-29-HG | 3430694.78 | 4084395.46 | 449.62 | KYVRS | |
| L32-29-UA | 3430658.89 | 4084418.24 | 456.33 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L33-3 | 3354918.13 | 4092114.81 | 457.95 | STATIC NETE | EDGE RD OPOSITE PP NAIL SET |
| L33-3-AZI | 3355051.93 | 4092118.69 | 462.46 | STATIC NET | |
| L33-3-BE | 3354890.18 | 4092121.78 | 456.90 | CONV | |
| L33-3-BR | 3354936.53 | 4092088.27 | 458.43 | CONV | |
| L33-3-FA | 3354808.09 | 4092119.70 | 455.26 | CONV | |
| L33-3-HG | 3354930.95 | 4092010.19 | 458.18 | CONV | |
| L33-3-UA | 3355070.43 | 4092113.52 | 463.28 | CONV | |
| L33-47 | 3483204.85 | 4095817.74 | 392.61 | RTK | CL N END STOP BAR NAIL SET |
| L33-47-BE | 3483120.58 | 4095843.95 | 392.48 | RTK | |
| L33-47-BR | 3483214.39 | 4095860.23 | 390.68 | RTK | |
| L33-47-FA | 3483207.67 | 4096018.78 | 381.29 | RTK | |
| L33-47-HG | 3483156.20 | 4095821.14 | 393.83 | RTK | |
| L33-47-UA | 3483188.60 | 4095848.86 | 392.64 | RTK | |
| L33-56 | 3510687.37 | 4093078.13 | 386.05 | RTK | W EDGE RD @ N EDGE DRIVE NAIL SET |
| L33-56-BE | 3510753.00 | 4093059.04 | 383.74 | RTK | |
| L33-56-BR | 3510925.81 | 4093060.13 | 382.86 | RTK | |
| L33-56-FA | 3510936.22 | 4093030.93 | 382.52 | RTK | |
| L33-56-HG | 3510849.79 | 4093067.21 | 382.76 | RTK | |
| L33-56-UA | 3510707.35 | 4093088.18 | 385.78 | RTK | |
| L35-20 | 3402535.65 | 4102012.17 | 529.04 | KYVRS | SE CNR GRAVEL DR @ N RD EDGE NAIL SET |
| L35-20-BE | 3402502.13 | 4101965.20 | 528.97 | KYVRS | |
| L35-20-BR | 3402492.60 | 4102107.03 | 532.18 | KYVRS | |
| L35-20-FA | 3402498.93 | 4102086.77 | 531.82 | KYVRS | |
| L35-20-HG | 3402499.58 | 4102005.77 | 528.84 | KYVRS | |
| L35-20-UA | 3402525.43 | 4102048.71 | 529.24 | KYVRS | |
| L35-39-ALT | 3458899.44 | 4106665.43 | 411.62 | RTK | NW CNR BRIDGE @ ASPH COLOR CHANGE |
| L35-39-ALT-BE | 3458969.73 | 4106671.52 | 410.96 | RTK | |
| L35-39-ALT-BR | 3458967.35 | 4106707.23 | 407.64 | RTK | |
| L35-39-ALT-FA | 3459249.18 | 4106651.84 | 397.05 | RTK | |
| L35-39-ALT-HG | 3458938.28 | 4106697.74 | 411.04 | RTK | |
| L35-39-ALT-UA | 3458914.95 | 4106676.81 | 411.49 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L35-57 | 3511657.67 | 4104418.97 | 346.04 | RTK | CL SW END STOP BAR NAIL SET |
| L35-57-BE | 3511716.51 | 4104612.05 | 343.74 | RTK | |
| L35-57-BR | 3511749.25 | 4104468.53 | 341.30 | RTK | |
| L35-57-FA | 3511756.77 | 4104403.62 | 341.12 | RTK | |
| L35-57-HG | 3511723.60 | 4104420.20 | 342.05 | RTK | |
| L35-57-UA | 3511692.66 | 4104400.12 | 345.57 | RTK | |
| L36-3 | 3552435.05 | 4103454.18 | 341.53 | RTK | CL W END STOP BAR NAIL SET |
| L36-3-BE | 3552430.62 | 4103409.46 | 342.50 | RTK | |
| L36-3-BR | 3552259.16 | 4103468.50 | 345.17 | RTK | |
| L36-3-FA | 3552277.20 | 4103456.61 | 342.44 | RTK | |
| L36-3-HG | 3552063.72 | 4103660.05 | 343.04 | RTK | |
| L36-3-UA | 3552364.37 | 4103422.13 | 343.92 | RTK | |
| L37-8 | 3367126.94 | 4113037.93 | 437.60 | KYVRS | CL SE EDGE STOP BAR |
| L37-8-BE | 3367174.25 | 4113008.95 | 436.74 | KYVRS | |
| L37-8-BR | 3367192.44 | 4112955.40 | 434.03 | KYVRS | |
| L37-8-FA | 3367161.58 | 4112970.47 | 434.43 | KYVRS | |
| L37-8-HG | 3367312.97 | 4112995.64 | 436.77 | KYVRS | |
| L37-8-UA | 3367228.23 | 4113030.37 | 438.87 | KYVRS | |
| L37-30 | 3432711.71 | 4110960.16 | 518.80 | KYVRS | CL S EDGE STOP BAR NAIL SET |
| L37-30-BE | 3432876.69 | 4110788.20 | 527.63 | KYVRS | |
| L37-30-BR | 3432724.32 | 4110832.69 | 523.30 | KYVRS | |
| L37-30-FA | 3432777.44 | 4110865.87 | 520.37 | KYVRS | |
| L37-30-HG | 3432688.23 | 4110937.38 | 519.32 | KYVRS | |
| L37-30-UA | 3432750.73 | 4110836.43 | 521.12 | KYVRS | |
| L37-53 | 3499920.64 | 4112539.81 | 404.25 | RTK | W EDGE RD @ S EDGE DRIVE NAIL SET |
| L37-53-BE | 3499954.57 | 4112511.53 | 403.48 | RTK | |
| L37-53-BR | 3499953.88 | 4112591.75 | 406.35 | RTK | |
| L37-53-FA | 3499968.77 | 4112573.31 | 406.50 | RTK | |
| L37-53-HG | 3499915.21 | 4112520.91 | 404.52 | RTK | |
| L37-53-UA | 3499935.12 | 4112516.23 | 404.51 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L37-65 | 3537031.03 | 4116404.41 | 393.83 | RTK | SE CNR CONC PATCH NAIL SET |
| L37-65-BE | 3537056.45 | 4116355.14 | 394.05 | RTK | |
| L37-65-BR | 3537073.92 | 4116410.55 | 393.89 | RTK | |
| L37-65-FA | 3537084.53 | 4116354.34 | 394.65 | RTK | |
| L37-65-HG | 3537006.26 | 4116305.46 | 393.06 | RTK | |
| L37-65-UA | 3537058.71 | 4116386.76 | 394.28 | RTK | |
| L41-22 | 3407483.32 | 4129463.09 | 540.07 | KYVRS | SW CNR ASPH DRIVE @ N RD EDGE NAIL SET |
| L41-22-BE | 3407476.96 | 4129516.55 | 540.26 | KYVRS | |
| L41-22-BR | 3407445.61 | 4129560.80 | 538.49 | KYVRS | |
| L41-22-FA | 3407553.32 | 4129686.97 | 539.77 | KYVRS | |
| L41-22-HG | 3407553.16 | 4129755.36 | 539.52 | KYVRS | |
| L41-22-UA | 3407436.76 | 4129596.25 | 537.89 | KYVRS | |
| L41-38 | 3454968.61 | 4131392.47 | 462.98 | RTK | CL SE END STOP BAR NAIL SET |
| L41-38-BE | 3455080.39 | 4131420.54 | 464.52 | RTK | |
| L41-38-BR | 3455196.61 | 4131514.48 | 463.16 | RTK | |
| L41-38-FA | 3454845.77 | 4131287.51 | 465.82 | RTK | |
| L41-38-HG | 3454915.16 | 4131315.66 | 464.44 | RTK | |
| L41-38-UA | 3454959.83 | 4131359.11 | 464.17 | RTK | |
| L41-44 | 3473542.26 | 4133739.06 | 415.50 | KYVRS | E EDGE RD @ COLOR CHANGE NAIL SET |
| L41-44-BE | 3473515.76 | 4133768.20 | 414.44 | KYVRS | |
| L41-44-BR | 3473519.20 | 4133783.15 | 415.55 | KYVRS | |
| L41-44-FA | 3473561.83 | 4133784.83 | 414.51 | KYVRS | |
| L41-44-HG | 3473622.06 | 4133674.86 | 410.82 | KYVRS | |
| L41-44-UA | 3473500.27 | 4133741.76 | 417.33 | KYVRS | |
| L41-58 | 3513979.51 | 4136647.93 | 349.94 | RTK | SW EDGE RD @ NE EDGE DRIVE NAIL SET |
| L41-58-BE | 3513953.39 | 4136642.65 | 349.24 | RTK | |
| L41-58-BR | 3514054.41 | 4136534.10 | 348.25 | RTK | |
| L41-58-FA | 3513931.79 | 4136741.31 | 353.98 | RTK | |
| L41-58-HG | 3513917.70 | 4136674.27 | 348.11 | RTK | |
| L41-58-UA | 3513977.91 | 4136627.29 | 349.96 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L41-61 | 3523081.65 | 4138470.54 | 439.40 | RTK | CL W END STOP BAR NAIL SET |
| L41-61-BE | 3523095.06 | 4138528.04 | 438.43 | RTK | |
| L41-61-BR | 3523006.82 | 4138557.77 | 440.75 | RTK | |
| L41-61-FA | 3522974.79 | 4138415.29 | 438.27 | RTK | |
| L41-61-HG | 3523043.42 | 4138605.92 | 438.83 | RTK | |
| L41-61-UA | 3523116.55 | 4138481.69 | 438.95 | RTK | |
| L41-72 | 3552192.25 | 4129308.27 | 347.05 | RTK | NW CNR PARKING STRIPE NAIL SET |
| L41-72-BE | 3552223.29 | 4129259.35 | 346.49 | RTK | |
| L41-72-BR | 3552125.68 | 4129215.48 | 346.56 | RTK | |
| L41-72-FA | 3552264.24 | 4129160.69 | 344.21 | RTK | |
| L41-72-HG | 3552197.51 | 4129188.41 | 346.10 | RTK | |
| L41-72-UA | 3552201.54 | 4129296.23 | 346.91 | RTK | |
| L41-99 | 3635931.14 | 4136255.16 | 509.22 | KYVRS | NW CNR DRIVE @ E EDGE ED NAIL SET |
| L41-99-BE | 3635940.99 | 4136274.18 | 508.20 | KYVRS | |
| L41-99-BR | 3635991.96 | 4136311.80 | 503.85 | KYVRS | |
| L41-99-FA | 3635990.77 | 4136283.27 | 507.80 | KYVRS | |
| L41-99-HG | 3635977.39 | 4136336.39 | 503.88 | KYVRS | |
| L41-99-UA | 3635915.72 | 4136241.46 | 510.55 | KYVRS | |
| L41-110 | 3669842.72 | 4135128.00 | 352.59 | KYVRS | CL SW EDGE STOP BAR NAIL SET |
| L41-110-BE | 3669871.88 | 4135089.20 | 350.73 | KYVRS | |
| L41-110-BR | 3669813.06 | 4135234.98 | 359.60 | KYVRS | |
| L41-110-FA | 3669949.97 | 4135050.94 | 350.55 | KYVRS | |
| L41-110-HG | 3669907.38 | 4134902.23 | 341.54 | KYVRS | |
| L41-110-UA | 3669881.99 | 4135090.13 | 351.52 | KYVRS | |
| L42-5 | 3359478.96 | 4137801.07 | 583.78 | KYVRS | SE CNR DR @ RD EDGE NAIL SET |
| L42-5-BE | 3359469.51 | 4137830.29 | 582.04 | KYVRS | |
| L42-5-BR | 3359439.89 | 4137795.86 | 581.09 | KYVRS | |
| L42-5-FA | 3359507.70 | 4137822.96 | 584.76 | KYVRS | |
| L42-5-HG | 3359466.75 | 4137866.61 | 583.58 | KYVRS | |
| L42-5-UA | 3359493.95 | 4137762.27 | 584.05 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L42-81 | 3584809.65 | 4147433.51 | 342.34 | RTK | INSIDE CNR CONC WALK |
| L42-81-BE | 3584820.96 | 4147454.36 | 342.84 | RTK | |
| L42-81-BR | 3584731.13 | 4147343.29 | 338.17 | RTK | |
| L42-81-FA | 3584769.89 | 4147376.18 | 339.78 | RTK | |
| L42-81-HG | 3584730.19 | 4147255.35 | 334.97 | RTK | |
| L42-81-UA | 3584809.15 | 4147393.98 | 340.73 | RTK | |
| L42-107 | 3664001.84 | 4146309.56 | 566.37 | KYVRS | S EDGE RD @ W EDGE DRIVE NAIL SET |
| L42-107-BE | 3663988.03 | 4146285.21 | 565.50 | KYVRS | |
| L42-107-BR | 3663996.27 | 4146248.11 | 567.56 | KYVRS | |
| L42-107-FA | 3664021.18 | 4146222.24 | 567.83 | KYVRS | |
| L42-107-HG | 3663980.50 | 4146244.22 | 564.89 | KYVRS | |
| L42-107-UA | 3664033.81 | 4146267.63 | 567.41 | KYVRS | |
| L43-28 | 3424779.66 | 4145556.86 | 557.53 | KYVRS | S RD EDGE @ COLOR CHANGE NAIL SET |
| L43-28-BE | 3424735.14 | 4145570.91 | 557.37 | KYVRS | |
| L43-28-BR | 3424771.01 | 4145453.71 | 555.99 | KYVRS | |
| L43-28-FA | 3424751.36 | 4145481.67 | 556.46 | KYVRS | |
| L43-28-HG | 3424722.54 | 4145556.93 | 557.23 | KYVRS | |
| L43-28-UA | 3424779.19 | 4145361.30 | 555.76 | KYVRS | |
| L43-68 | 3545729.69 | 4150638.16 | 350.35 | RTK | CL NE MOST RR XING BAR NAIL SET |
| L43-68-BE | 3545746.26 | 4150591.88 | 345.56 | RTK | |
| L43-68-BR | 3545662.39 | 4150564.30 | 345.90 | RTK | |
| L43-68-FA | 3545756.60 | 4150533.17 | 345.98 | RTK | |
| L43-68-HG | 3545752.21 | 4150565.47 | 345.53 | RTK | |
| L43-68-UA | 3545757.57 | 4150630.71 | 350.81 | RTK | |
| L43-74 | 3563770.15 | 4151589.48 | 386.44 | RTK | S EDGE RD @ W EDGE DRIVE NAIL SET |
| L43-74-BE | 3563747.07 | 4151675.34 | 385.81 | RTK | |
| L43-74-BR | 3563585.72 | 4151446.86 | 370.99 | RTK | |
| L43-74-FA | 3563622.60 | 4151800.69 | 369.25 | RTK | |
| L43-74-HG | 3563757.40 | 4151824.83 | 378.67 | RTK | |
| L43-74-UA | 3563746.27 | 4151606.18 | 386.55 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L43-99 | 3637258.09 | 4158740.39 | 530.38 | KYVRS | CK NW EDGE STOP BAR NAIL SET |
| L43-99-BE | 3637276.98 | 4158723.76 | 529.08 | KYVRS | |
| L43-99-BR | 3637311.12 | 4158624.78 | 527.98 | KYVRS | |
| L43-99-FA | 3637220.42 | 4158690.47 | 530.39 | KYVRS | |
| L43-99-HG | 3637195.68 | 4158708.53 | 530.85 | KYVRS | |
| L43-99-UA | 3637293.41 | 4158644.73 | 529.12 | KYVRS | |
| L43-113 | 3679281.97 | 4158382.51 | 368.44 | KYVRS | CL SE EDGE STOP BAR NAIL SET |
| L43-113-BE | 3679279.85 | 4158407.45 | 368.11 | KYVRS | |
| L43-113-BR | 3679270.97 | 4158391.70 | 366.59 | KYVRS | |
| L43-113-FA | 3679066.27 | 4158596.27 | 381.02 | KYVRS | |
| L43-113-HG | 3679320.34 | 4158410.04 | 367.93 | KYVRS | |
| L43-113-UA | 3679292.99 | 4158398.65 | 368.60 | KYVRS | |
| L44-16 | 3391126.96 | 4160778.36 | 565.70 | KYVRS | SE CNR CONC DRIVE |
| L44-16-BE | 3391100.52 | 4160830.18 | 566.29 | KYVRS | |
| L44-16-BR | 3391006.83 | 4160788.40 | 568.81 | KYVRS | |
| L44-16-FA | 3390970.78 | 4160679.50 | 567.76 | KYVRS | |
| L44-16-HG | 3391141.85 | 4160836.42 | 565.89 | KYVRS | |
| L44-16-UA | 3391070.71 | 4160800.76 | 567.39 | KYVRS | |
| L44-36 | 3448536.24 | 4160830.80 | 521.94 | RTK | E EDGE RD @ ASPH COLOR CHANGE NAIL SET |
| L44-36-BE | 3448538.10 | 4160772.23 | 521.97 | RTK | |
| L44-36-BR | 3448578.86 | 4160902.94 | 518.18 | RTK | |
| L44-36-FA | 3448558.60 | 4160714.95 | 524.18 | RTK | |
| L44-36-HG | 3448614.08 | 4160764.65 | 522.74 | RTK | |
| L44-36-UA | 3448532.67 | 4160819.00 | 522.54 | RTK | |
| L44-48 | 3484533.07 | 4160430.12 | 374.35 | KYVRS | SE CNR  SW ISECT |
| L44-48-BE | 3484456.96 | 4160693.89 | 372.45 | KYVRS | |
| L44-48-BR | 3484530.68 | 4160509.58 | 374.46 | KYVRS | |
| L44-48-FA | 3484458.64 | 4160633.99 | 372.83 | KYVRS | |
| L44-48-HG | 3484404.55 | 4160750.53 | 372.88 | KYVRS | |
| L44-48-UA | 3484557.27 | 4160463.22 | 374.46 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L44-56 | 3508248.16 | 4161919.16 | 461.10 | KYVRS | NE CNR DRIVE @ RD EDGE NAIL SET |
| L44-56-BE | 3508197.38 | 4161894.27 | 457.51 | KYVRS | |
| L44-56-BR | 3508249.38 | 4161961.11 | 460.73 | KYVRS | |
| L44-56-FA | 3508197.67 | 4161857.72 | 457.41 | KYVRS | |
| L44-56-HG | 3508214.30 | 4161972.52 | 459.75 | KYVRS | |
| L44-56-UA | 3508236.17 | 4161875.68 | 458.17 | KYVRS | |
| L44-82 | 3587421.94 | 4164312.29 | 343.33 | RTK | N EDGE RD @ W EDGE RD NAIL SET |
| L44-82-BE | 3587485.81 | 4164353.25 | 341.58 | RTK | |
| L44-82-BR | 3587494.88 | 4164334.05 | 341.41 | RTK | |
| L44-82-FA | 3587480.59 | 4164299.80 | 340.35 | RTK | |
| L44-82-HG | 3587419.69 | 4164271.74 | 342.91 | RTK | |
| L44-82-UA | 3587442.85 | 4164287.65 | 342.33 | RTK | |
| L44-92 | 3618813.73 | 4164613.22 | 635.06 | KYVRS | SE CNR DRIVE @ N RD EDGE NAIL SET |
| L44-92-BE | 3618827.84 | 4164559.48 | 635.08 | KYVRS | |
| L44-92-BR | 3618850.78 | 4164625.79 | 640.94 | KYVRS | |
| L44-92-FA | 3618848.27 | 4164675.22 | 641.48 | KYVRS | |
| L44-92-HG | 3618798.31 | 4164555.88 | 635.60 | KYVRS | |
| L44-92-UA | 3618815.24 | 4164549.72 | 636.62 | KYVRS | |
| L45-3 | 3352462.84 | 4164102.88 | 564.65 | KYVRS | NE CNR STOP BAR NAIL SET |
| L45-3-BE | 3352333.57 | 4164202.31 | 566.18 | KYVRS | |
| L45-3-BR | 3352466.55 | 4164174.73 | 565.06 | KYVRS | |
| L45-3-FA | 3352365.78 | 4164255.23 | 566.54 | KYVRS | |
| L45-3-HG | 3352467.42 | 4164213.55 | 565.26 | KYVRS | |
| L45-3-UA | 3352452.90 | 4164151.19 | 565.52 | KYVRS | |
| L45-25 | 3416078.58 | 4172400.40 | 503.53 | KYVRS | NE CNR DRIVE @ W RD EDGE |
| L45-25-BE | 3416117.04 | 4172398.92 | 500.70 | KYVRS | |
| L45-25-BR | 3416149.51 | 4172475.51 | 494.76 | KYVRS | |
| L45-25-FA | 3416112.32 | 4172353.86 | 507.36 | KYVRS | |
| L45-25-HG | 3416190.27 | 4172433.96 | 495.93 | KYVRS | |
| L45-25-UA | 3416099.59 | 4172471.27 | 498.63 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L45-104 | 3649793.54 | 4177462.99 | 399.81 | KYVRS | CL NW EDGE STOP BAR NAIL SET |
| L45-104-BE | 3649868.47 | 4177438.66 | 402.28 | KYVRS | |
| L45-104-BR | 3649732.43 | 4177380.69 | 403.73 | KYVRS | |
| L45-104-FA | 3649800.53 | 4177339.29 | 399.20 | KYVRS | |
| L45-104-HG | 3649804.71 | 4177455.17 | 400.07 | KYVRS | |
| L45-104-UA | 3649803.73 | 4177431.63 | 397.95 | KYVRS | |
| L46-71 | 3552475.23 | 4185210.97 | 413.02 | RTK | CL W END STOP BAR NAIL SET |
| L46-71-BE | 3552500.80 | 4185167.73 | 411.97 | RTK | |
| L46-71-BR | 3552388.05 | 4184953.02 | 396.63 | RTK | |
| L46-71-FA | 3552409.23 | 4185117.14 | 406.96 | RTK | |
| L46-71-HG | 3552439.00 | 4185140.32 | 409.20 | RTK | |
| L46-71-UA | 3552505.56 | 4185221.62 | 412.29 | RTK | |
| L47-40 | 3460798.06 | 4186114.87 | 486.48 | RTK | NE CNR CONC PAD |
| L47-40-BE | 3460757.54 | 4186110.10 | 486.57 | RTK | |
| L47-40-BR | 3460896.45 | 4186136.79 | 488.21 | RTK | |
| L47-40-FA | 3460761.07 | 4186132.29 | 486.28 | RTK | |
| L47-40-HG | 3460869.03 | 4186059.21 | 487.96 | RTK | |
| L47-40-UA | 3460782.93 | 4186095.18 | 487.06 | RTK | |
| L47-46 | 3477666.16 | 4192568.60 | 491.12 | RTK | CL NW END S MOST PAINT STRIPE NAIL SET |
| L47-46-BE | 3477751.33 | 4192548.86 | 492.87 | RTK | |
| L47-46-BR | 3477692.44 | 4192407.34 | 496.33 | RTK | |
| L47-46-FA | 3477652.72 | 4192409.50 | 497.25 | RTK | |
| L47-46-HG | 3477710.53 | 4192348.91 | 494.00 | RTK | |
| L47-46-UA | 3477696.14 | 4192566.60 | 491.71 | RTK | |
| L47-60 | 3518269.25 | 4194080.68 | 400.03 | KYVRS | SW CNR DRIVE @ N EDGE RD NAIL SET |
| L47-60-BE | 3518286.26 | 4194062.98 | 402.55 | KYVRS | |
| L47-60-BR | 3518332.53 | 4194058.37 | 405.53 | KYVRS | |
| L47-60-FA | 3518306.86 | 4194025.19 | 406.89 | KYVRS | |
| L47-60-HG | 3518191.96 | 4194263.31 | 390.99 | KYVRS | |
| L47-60-UA | 3518258.61 | 4194054.01 | 400.09 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L47-66 | 3536354.82 | 4192511.05 | 448.32 | RTK | W EDGE RD @ N EDGE DRIVE NAIL SET |
| L47-66-BE | 3536310.86 | 4192503.57 | 448.55 | RTK | |
| L47-66-BR | 3536363.38 | 4192484.55 | 449.06 | RTK | |
| L47-66-FA | 3536304.41 | 4192443.38 | 449.64 | RTK | |
| L47-66-HG | 3536281.37 | 4192513.04 | 447.21 | RTK | |
| L47-66-UA | 3536333.62 | 4192497.38 | 449.21 | RTK | |
| L47-86 | 3596025.34 | 4193796.04 | 349.03 | RTK | SW CNR ASPH @ COLOR CHANGE NAIL SET |
| L47-86-BE | 3596038.51 | 4193784.40 | 348.47 | RTK | |
| L47-86-BR | 3596146.24 | 4193700.60 | 345.90 | RTK | |
| L47-86-FA | 3596112.09 | 4193665.58 | 345.67 | RTK | |
| L47-86-HG | 3596072.07 | 4193729.69 | 347.10 | RTK | |
| L47-86-UA | 3595999.55 | 4193736.41 | 350.24 | RTK | |
| L47-88 | 3602557.83 | 4196040.78 | 357.93 | KYVRS | W EDGE RD @ S EDGE FIELD ENTRANCE |
| L47-88-BE | 3602560.63 | 4196023.91 | 356.55 | KYVRS | |
| L47-88-BR | 3602640.41 | 4196064.69 | 353.55 | KYVRS | |
| L47-88-FA | 3602765.57 | 4196075.59 | 348.59 | KYVRS | |
| L47-88-HG | 3602572.40 | 4196017.06 | 355.38 | KYVRS | |
| L47-88-UA | 3602574.58 | 4196049.00 | 357.88 | KYVRS | |
| L47-97 | 3629484.54 | 4194620.98 | 429.57 | KYVRS | CL S EDGE WEST MOST STRIPE NAIL SET |
| L47-97-BE | 3629508.69 | 4194615.06 | 430.68 | KYVRS | |
| L47-97-BR | 3629450.14 | 4194598.50 | 430.55 | KYVRS | |
| L47-97-FA | 3629373.89 | 4194547.82 | 428.24 | KYVRS | |
| L47-97-HG | 3629423.44 | 4194576.99 | 428.64 | KYVRS | |
| L47-97-UA | 3629469.83 | 4194541.65 | 430.58 | KYVRS | |
| L48-13 | 3380530.57 | 4190397.85 | 518.43 | KYVRS | E RD EDGE @ COLOR CHANGE NAIL SET |
| L48-13-BE | 3380566.64 | 4190388.23 | 517.57 | KYVRS | |
| L48-13-BR | 3380568.42 | 4190327.12 | 516.50 | KYVRS | |
| L48-13-FA | 3380620.40 | 4190339.86 | 514.07 | KYVRS | |
| L48-13-HG | 3380494.34 | 4190550.54 | 520.35 | KYVRS | |
| L48-13-UA | 3380561.02 | 4190515.64 | 519.50 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L48-31 | 3432454.97 | 4195963.49 | 408.52 | KYVRS | SW CNR GRAVEL DR @ N RD EDGE NAIL SET |
| L48-31-BE | 3432506.99 | 4195978.93 | 412.44 | KYVRS | |
| L48-31-BR | 3432539.91 | 4195985.23 | 413.03 | KYVRS | |
| L48-31-FA | 3432502.75 | 4196004.48 | 413.46 | KYVRS | |
| L48-31-HG | 3432469.92 | 4195962.46 | 409.54 | KYVRS | |
| L48-31-UA | 3432443.09 | 4195968.14 | 408.41 | KYVRS | |
| L48-75 | 3562708.22 | 4195806.07 | 345.09 | RTK | CL W END STOP BAR NAIL SET |
| L48-75-BE | 3562662.02 | 4195794.16 | 347.94 | RTK | |
| L48-75-BR | 3562796.86 | 4195949.39 | 337.70 | RTK | |
| L48-75-FA | 3562743.85 | 4195949.55 | 337.36 | RTK | |
| L48-75-HG | 3562739.41 | 4195872.31 | 343.87 | RTK | |
| L48-75-UA | 3562725.43 | 4195823.40 | 345.86 | RTK | |
| L49-26 | 3417525.32 | 4206660.99 | 531.46 | KYVRS | CL S EDGE OF STOP BAR NAIL SET |
| L49-26-BE | 3417484.51 | 4206690.23 | 530.11 | KYVRS | |
| L49-26-BR | 3417540.46 | 4206759.82 | 531.47 | KYVRS | |
| L49-26-FA | 3417560.62 | 4206793.43 | 531.86 | KYVRS | |
| L49-26-HG | 3417567.89 | 4206595.99 | 529.03 | KYVRS | |
| L49-26-UA | 3417539.20 | 4206599.38 | 531.46 | KYVRS | |
| L49-54 | 3498970.66 | 4203976.46 | 384.04 | RTK | S EDGE RD @ E EDGE DRIVE NAIL SET |
| L49-54-BE | 3499012.64 | 4203954.95 | 383.11 | RTK | |
| L49-54-BR | 3498790.78 | 4203883.57 | 404.72 | RTK | |
| L49-54-FA | 3498976.54 | 4203935.47 | 387.54 | RTK | |
| L49-54-HG | 3498810.49 | 4203876.96 | 404.13 | RTK | |
| L49-54-UA | 3498981.02 | 4203976.98 | 383.63 | RTK | |
| L49-81 | 3581383.29 | 4220761.07 | 396.83 | KYVRS | CL N EDGE STOP BAR NAIL SET |
| L49-81-BE | 3581310.38 | 4220742.24 | 399.37 | KYVRS | |
| L49-81-BR | 3581372.35 | 4220705.34 | 392.22 | KYVRS | |
| L49-81-FA | 3581291.80 | 4220838.98 | 411.81 | KYVRS | |
| L49-81-HG | 3581358.35 | 4220835.95 | 405.19 | KYVRS | |
| L49-81-UA | 3581421.38 | 4220718.72 | 391.27 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L49-85 | 3591471.81 | 4213661.46 | 427.06 | KYVRS | CL E EDGE STOP BAR NAIL SET |
| L49-85-BE | 3591612.38 | 4213673.18 | 427.14 | KYVRS | |
| L49-85-BR | 3591588.01 | 4213591.63 | 422.88 | KYVRS | |
| L49-85-FA | 3591616.56 | 4213732.93 | 434.33 | KYVRS | |
| L49-85-HG | 3591454.15 | 4213689.74 | 424.51 | KYVRS | |
| L49-85-UA | 3591427.64 | 4213673.44 | 424.10 | KYVRS | |
| L50-9 | 3368305.17 | 4214567.05 | 418.53 | KYVRS | SE CNR CONC RD @ RD EDGE NAIL SET |
| L50-9-BE | 3368316.20 | 4214510.18 | 416.35 | KYVRS | |
| L50-9-BR | 3368199.78 | 4214666.97 | 419.75 | KYVRS | |
| L50-9-FA | 3368227.63 | 4214672.20 | 419.79 | KYVRS | |
| L50-9-HG | 3368268.85 | 4214592.69 | 417.50 | KYVRS | |
| L50-9-UA | 3368298.73 | 4214707.31 | 420.85 | KYVRS | |
| L50-37 | 3451374.77 | 4215799.64 | 504.40 | KYVRS | CL E EDGE STOP BAR NAIL SET |
| L50-37-BE | 3451386.37 | 4215717.36 | 506.34 | KYVRS | |
| L50-37-BR | 3451659.60 | 4215531.72 | 503.26 | KYVRS | |
| L50-37-FA | 3451713.23 | 4215557.50 | 501.37 | KYVRS | |
| L50-37-HG | 3451603.38 | 4215585.55 | 506.40 | KYVRS | |
| L50-37-UA | 3451405.59 | 4215645.49 | 509.31 | KYVRS | |
| L50-55 | 3504732.34 | 4216034.00 | 375.60 | KYVRS | NE CNR DRIVE @ WEDGE OF RD NAIL SET |
| L50-55-BE | 3504753.60 | 4216015.16 | 371.68 | KYVRS | |
| L50-55-BR | 3504795.79 | 4215898.19 | 360.86 | KYVRS | |
| L50-55-FA | 3504812.28 | 4216003.43 | 367.97 | KYVRS | |
| L50-55-HG | 3505336.23 | 4216338.38 | 374.24 | KYVRS | |
| L50-55-UA | 3504639.12 | 4215843.57 | 365.57 | KYVRS | |
| L51-16 | 3387460.58 | 4220025.78 | 389.72 | KYVRS | NW CNR CONC DR @ RD EDGE NAIL SET |
| L51-16-BE | 3387428.45 | 4220095.79 | 387.86 | KYVRS | |
| L51-16-BR | 3387399.95 | 4220062.59 | 393.51 | KYVRS | |
| L51-16-FA | 3387485.55 | 4220057.81 | 388.32 | KYVRS | |
| L51-16-HG | 3387434.82 | 4220069.74 | 388.85 | KYVRS | |
| L51-16-UA | 3387442.66 | 4220114.97 | 388.86 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L52-3 | 3349520.08 | 4229117.30 | 390.46 | KYVRS | NW CNR DR @ RD EDGE NAIL SET |
| L52-3-BE | 3349552.91 | 4229118.22 | 390.35 | KYVRS | |
| L52-3-BR | 3349456.20 | 4229091.31 | 387.31 | KYVRS | |
| L52-3-FA | 3349423.81 | 4229156.48 | 388.36 | KYVRS | |
| L52-3-HG | 3349572.51 | 4228953.81 | 388.30 | KYVRS | |
| L52-3-UA | 3349581.39 | 4229060.58 | 391.33 | KYVRS | |
| L52-24 | 3410843.14 | 4232452.52 | 506.61 | KYVRS | W EDGE RD @ N EDGE DRIVE NAIL SET |
| L52-24-BE | 3410859.84 | 4232460.94 | 506.09 | KYVRS | |
| L52-24-BR | 3410905.27 | 4232448.53 | 504.47 | KYVRS | |
| L52-24-FA | 3410960.85 | 4232504.29 | 503.29 | KYVRS | |
| L52-24-HG | 3410932.71 | 4232512.98 | 505.06 | KYVRS | |
| L52-24-UA | 3410983.29 | 4232489.48 | 501.53 | KYVRS | |
| L52-37 | 3450265.32 | 4231096.87 | 367.48 | KYVRS | NE CNR ASPLALT PULL OFF NAIL SET |
| L52-37-BE | 3450239.53 | 4231054.19 | 366.83 | KYVRS | |
| L52-37-BR | 3450250.16 | 4231072.42 | 366.98 | KYVRS | |
| L52-37-FA | 3450138.82 | 4231125.88 | 364.98 | KYVRS | |
| L52-37-HG | 3450257.41 | 4231050.23 | 366.36 | KYVRS | |
| L52-37-UA | 3450197.80 | 4231120.15 | 366.87 | KYVRS | |
| L53-15 | 3384994.23 | 4241138.29 | 412.04 | STATIC NET | SW CNR CONC DR @ RD EDGE NAIL SET |
| L53-15-AZI | 3384891.88 | 4241098.71 | 414.09 | STATIC NET | |
| L53-15-BE | 3384890.38 | 4241075.69 | 415.35 | CONV | |
| L53-15-BR | 3385153.93 | 4241138.85 | 414.70 | CONV | |
| L53-15-FA | 3385070.79 | 4241117.24 | 414.28 | CONV | |
| L53-15-HG | 3385177.34 | 4241127.81 | 415.13 | CONV | |
| L53-15-UA | 3384846.52 | 4241098.77 | 415.07 | CONV | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L54-3 | 3348252.30 | 4253511.94 | 442.97 | KYVRS | SE CNR DRIVE @ COLOR CHANGE NAIL SET |
| L54-3-BE | 3348250.47 | 4253491.30 | 443.64 | KYVRS | |
| L54-3-BR | 3348254.12 | 4253605.86 | 439.17 | KYVRS | |
| L54-3-FA | 3348285.38 | 4253446.45 | 445.08 | KYVRS | |
| L54-3-HG | 3348307.01 | 4253515.12 | 441.82 | KYVRS | |
| L54-3-UA | 3348272.15 | 4253479.71 | 445.07 | KYVRS | |
| L54-19 | 3395476.22 | 4249740.45 | 360.97 | KYVRS | SE CNR BOAT RAMP |
| L54-19-BE | 3395433.93 | 4249763.58 | 363.76 | KYVRS | |
| L54-19-BR | 3395395.48 | 4249796.45 | 360.83 | KYVRS | |
| L54-19-FA | 3395334.13 | 4249702.77 | 366.60 | KYVRS | |
| L54-19-HG | 3395361.59 | 4249647.24 | 362.11 | KYVRS | |
| L54-19-UA | 3395361.47 | 4249749.57 | 368.80 | KYVRS | |
| L209 | 3578259.20 | 4037954.68 | 372.41 | RTK | CL S END STOP BAR NAIL SET |
| L209-BE | 3578206.45 | 4037911.33 | 371.52 | RTK | |
| L209-BR | 3578321.14 | 4037764.18 | 369.63 | RTK | |
| L209-FA | 3578249.35 | 4037913.41 | 371.70 | RTK | |
| L209-HG | 3578197.83 | 4037864.90 | 370.35 | RTK | |
| L209-UA | 3578242.63 | 4037970.76 | 372.45 | RTK | |
| L418 | 3674102.08 | 4196360.63 | 486.50 | KYVRS | CL E EDGE STOP BAR NAIL SET |
| L418-BE | 3674065.22 | 4196348.51 | 483.47 | KYVRS | |
| L418-BR | 3674044.33 | 4196344.34 | 482.61 | KYVRS | |
| L418-FA | 3674074.42 | 4196270.31 | 493.03 | KYVRS | |
| L418-HG | 3674043.78 | 4196259.58 | 491.79 | KYVRS | |
| L418-UA | 3674060.53 | 4196315.95 | 487.04 | KYVRS | |
| L424 | 3642581.56 | 4214915.32 | 532.54 | KYVRS | NE CNR DR @ W EDGE RD NAIL SET |
| L424-BE | 3642616.52 | 4214895.80 | 531.94 | KYVRS | |
| L424-BR | 3642754.13 | 4214857.14 | 524.48 | KYVRS | |
| L424-FA | 3642781.74 | 4214896.04 | 521.01 | KYVRS | |
| L424-HG | 3642729.25 | 4214935.11 | 526.99 | KYVRS | |
| L424-UA | 3642641.33 | 4214910.96 | 531.19 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L427 | 3612471.33 | 4224995.65 | 542.39 | KYVRS | CL SW EDGE STOP BAR NAIL SET |
| L427-BE | 3612499.56 | 4225059.11 | 543.01 | KYVRS | |
| L427-BR | 3612498.14 | 4225082.45 | 544.29 | KYVRS | |
| L427-FA | 3612539.04 | 4225069.39 | 542.87 | KYVRS | |
| L427-HG | 3612627.39 | 4224992.66 | 536.48 | KYVRS | |
| L427-UA | 3612575.30 | 4225060.46 | 542.35 | KYVRS | |
| L429 | 3679750.18 | 4233247.37 | 519.79 | KYVRS | SW CNR DR @ E RD EDGE NAIL SET |
| L429-BE | 3679749.35 | 4233274.34 | 517.47 | KYVRS | |
| L429-BR | 3679661.07 | 4233210.47 | 509.64 | KYVRS | |
| L429-FA | 3679702.07 | 4233261.80 | 515.08 | KYVRS | |
| L429-HG | 3679623.72 | 4233202.10 | 507.20 | KYVRS | |
| L429-UA | 3679785.94 | 4233306.43 | 518.73 | KYVRS | |
| L432 | 3631125.70 | 4242408.14 | 649.37 | STATIC NET | CL N EDGE PAINT STRIPE |
| L432-AZI | 3631153.33 | 4242320.87 | 645.65 | STATIC NET | NAIL SET RTK VALIDATION |
| L432-BE | 3631096.15 | 4242366.54 | 644.60 | RTK | |
| L432-BR | 3631138.13 | 4242234.90 | 644.62 | RTK | |
| L432-FA | 3631058.95 | 4242363.23 | 644.98 | RTK | |
| L432-HG | 3631080.71 | 4242261.63 | 643.83 | RTK | |
| L432-UA | 3631170.22 | 4242263.35 | 645.48 | RTK | |
| L433 | 3653140.90 | 4244429.34 | 577.34 | STATIC NET | NW CNR WALK ISECT |
| L433-AZI | 3653052.28 | 4244373.62 | 579.18 | STATIC NET | NAIL SET RTK VALIDATION |
| L433-BE | 3653066.37 | 4244360.44 | 578.57 | RTK | |
| L433-BR | 3653087.55 | 4244068.97 | 587.02 | RTK | |
| L433-FA | 3653085.97 | 4244307.82 | 578.72 | RTK | |
| L433-HG | 3653018.50 | 4244371.51 | 581.27 | RTK | |
| L433-UA | 3653013.73 | 4244398.20 | 579.70 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L434 | 3611814.31 | 4247862.28 | 440.04 | RTK | CL SE EDGE PAINT STRIPE |
| L434-RM-1 | 3611856.10 | 4247840.20 | 440.32 | STATIC NETRTK BASE | |
| L434-RM-2 | 3611758.98 | 4247934.90 | 439.28 | STATIC NETRTK CHECK POINT | |
| L434-BE | 3611803.87 | 4247941.01 | 442.58 | RTK | |
| L434-BR | 3611771.43 | 4248016.02 | 445.88 | RTK | |
| L434-FA | 3611832.40 | 4247959.00 | 445.60 | RTK | |
| L434-HG | 3611807.44 | 4248037.63 | 445.00 | RTK | |
| L434-UA | 3611894.42 | 4248001.55 | 450.53 | RTK | |
| L436 | 3665164.41 | 4256265.41 | 527.42 | STATIC NETNE RD EDGE @ COLOR CHANGE | |
| L436-AZI | 3665205.95 | 4256256.14 | 525.54 | STATIC NETNAIL SET RTK VALIDATION | |
| L436-BE | 3665119.65 | 4256293.87 | 528.42 | RTK | |
| L436-BR | 3665042.07 | 4256311.38 | 529.49 | RTK | |
| L436-FA | 3665070.30 | 4256262.53 | 533.29 | RTK | |
| L436-HG | 3665137.94 | 4256318.30 | 526.92 | RTK | |
| L436-UA | 3665100.59 | 4256268.51 | 531.54 | RTK | |
| L439 | 3686051.76 | 4264698.56 | 474.40 | STATIC NETSW EDGE RD @ COLOR CHANGE | |
| L439-AZI | 3686106.22 | 4264735.93 | 474.16 | STATIC NETNAIL SET RTK VALIDATION | |
| L439-BE | 3685936.90 | 4264657.17 | 473.05 | RTK | |
| L439-BR | 3685994.45 | 4264647.54 | 471.00 | RTK | |
| L439-FA | 3685927.10 | 4264518.48 | 470.63 | RTK | |
| L439-HG | 3686057.52 | 4264671.02 | 474.38 | RTK | |
| L439-UA | 3685985.48 | 4264684.12 | 473.72 | RTK | |
| L443 | 3627342.52 | 4277533.15 | 441.44 | STATIC NETNW CNR DRIVE @ S RD EDGE NAIL SET | |
| L443-AZI | 3627389.80 | 4277676.86 | 439.84 | STATIC NET | |
| L443_BE | 3627223.50 | 4277584.38 | 436.91 | CONV | |
| L443_BR | 3627381.92 | 4277682.51 | 436.26 | CONV | |
| L443_FA | 3627302.13 | 4277588.70 | 433.03 | CONV | |
| L443_HG | 3627440.86 | 4277705.55 | 438.87 | CONV | |
| L443_UA | 3627372.11 | 4277605.44 | 440.25 | CONV | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L445 | 3712717.59 | 4284677.56 | 385.01 | KYVRS | CL S EDGE PAINT STRIPE |
| L445-BE | 3712757.13 | 4284693.90 | 383.71 | KYVRS | |
| L445-BR | 3713076.11 | 4284801.86 | 387.39 | KYVRS | |
| L445-FA | 3712951.44 | 4284856.95 | 393.32 | KYVRS | |
| L445-HG | 3712789.27 | 4284751.86 | 383.64 | KYVRS | |
| L445-UA | 3712812.16 | 4284736.40 | 384.93 | KYVRS | |
| L448 | 3658253.74 | 4295288.44 | 484.92 | STATIC NET | CL W EDGE STOP BAR |
| L448-AZI | 3658303.63 | 4295261.25 | 485.58 | STATIC NET | NAIL SET RTK VALIDATION |
| L448-BE | 3658360.61 | 4295239.13 | 484.94 | RTK | |
| L448-BR | 3658264.62 | 4295173.44 | 478.39 | RTK | |
| L448-FA | 3658169.37 | 4295252.09 | 477.85 | RTK | |
| L448-HG | 3658208.83 | 4295248.26 | 481.03 | RTK | |
| L448-UA | 3658362.71 | 4295268.06 | 488.34 | RTK | |
| L452 | 3708983.55 | 4308747.14 | 367.46 | KYVRS | CL E EDGE PAINT STRIPE |
| L452-BE | 3709011.97 | 4308735.79 | 366.49 | KYVRS | |
| L452-BR | 3708774.56 | 4309040.99 | 360.88 | KYVRS | |
| L452-FA | 3708923.25 | 4308802.77 | 366.21 | KYVRS | |
| L452-HG | 3708890.24 | 4308942.83 | 363.78 | KYVRS | |
| L452-UA | 3709011.14 | 4308762.85 | 366.76 | KYVRS | |
| L459 | 3667180.65 | 4330504.00 | 461.62 | STATIC NET | E ED EDGE @ NW CNR GRAVEL DRIVE |
| L459-AZI | 3667286.51 | 4330563.92 | 461.65 | STATIC NET | NAIL SET RTK VALIDATION |
| L459-BE | 3667131.49 | 4330513.20 | 461.19 | RTK | |
| L459-BR | 3666965.68 | 4330464.45 | 451.52 | RTK | |
| L459-FA | 3667166.91 | 4330538.64 | 462.20 | RTK | |
| L459-HG | 3666989.84 | 4330373.62 | 456.30 | RTK | |
| L459-UA | 3667153.60 | 4330479.85 | 461.14 | RTK | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L503 | 3772450.01 | 4243389.90 | 374.74 | KYVRS | CL N EDGE OF PAINT STRIPE |
| L503-BE | 3772438.63 | 4243412.15 | 374.34 | KYVRS | |
| L503-BR | 3772423.81 | 4243431.99 | 375.38 | KYVRS | |
| L503-FA | 3772414.10 | 4243415.20 | 374.79 | KYVRS | |
| L503-HG | 3772384.48 | 4243531.42 | 376.79 | KYVRS | |
| L503-UA | 3772410.44 | 4243471.79 | 375.80 | KYVRS | |
| L514 | 3782619.37 | 4302715.81 | 397.97 | KYVRS | S DR EDGE @ CHANGE IN ASPHALT |
| L514-BE | 3782565.53 | 4302754.83 | 390.19 | KYVRS | |
| L514-BR | 3781869.84 | 4300654.14 | 390.69 | KYVRS | |
| L514-FA | 3781831.85 | 4300644.14 | 390.88 | KYVRS | |
| L514-HG | 3782575.12 | 4302827.57 | 392.62 | KYVRS | |
| L514-UA | 3782563.78 | 4302682.50 | 398.43 | KYVRS | |
| L524 | 3772497.31 | 4335095.72 | 405.88 | KYVRS | CL EDGE HDWL @ EDGE GRAVEL DR |
| L524-BE | 3772535.47 | 4335097.28 | 408.62 | KYVRS | |
| L524-BR | 3772712.19 | 4334854.03 | 420.28 | KYVRS | |
| L524-FA | 3768776.93 | 4332913.28 | 444.05 | KYVRS | |
| L524-HG | 3772710.65 | 4334861.62 | 420.44 | KYVRS | |
| L524-UA | 3772532.75 | 4335152.84 | 409.26 | KYVRS | |
| L525 | 3749299.08 | 4314293.89 | 553.48 | KYVRS | NW RD EDGE @ SE CNR OF DRIVE |
| L525-BE | 3749297.32 | 4314265.27 | 555.89 | KYVRS | |
| L525-BR | 3749398.26 | 4314386.28 | 553.59 | KYVRS | |
| L525-FA | 3749347.24 | 4314358.52 | 553.55 | KYVRS | |
| L525-HG | 3749318.01 | 4314333.54 | 552.67 | KYVRS | |
| L525-UA | 3749311.19 | 4314311.31 | 554.05 | KYVRS | |
| L531 | 3743681.96 | 4330979.66 | 565.24 | KYVRS | E RD EDGE @ NW CNR OF DRIVE |
| L531-BE | 3743720.72 | 4330998.57 | 567.37 | KYVRS | |
| L531-BR | 3743745.89 | 4330956.72 | 566.30 | KYVRS | |
| L531-FA | 3743754.06 | 4330959.48 | 566.05 | KYVRS | |
| L531-HG | 3743726.52 | 4330962.33 | 564.70 | KYVRS | |
| L531-UA | 3743717.15 | 4330973.40 | 565.75 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L532 | 3724278.85 | 4313607.73 | 457.28 | KYVRS | S RD EDGE @ NE CNR OF DRIVE |
| L532-BE | 3724247.54 | 4313617.93 | 457.31 | KYVRS | |
| L532-BR | 3724265.19 | 4313558.88 | 458.41 | KYVRS | |
| L532-FA | 3724223.80 | 4313530.46 | 458.95 | KYVRS | |
| L532-HG | 3724256.67 | 4313394.75 | 460.82 | KYVRS | |
| L532-UA | 3724349.80 | 4313448.39 | 458.03 | KYVRS | |
| L537 | 3758463.64 | 4372100.34 | 493.39 | KYVRS | E EDGE RD @NW CNR DRIVE |
| L537-BE | 3758476.06 | 4372129.87 | 493.11 | KYVRS | |
| L537-BR | 3758265.85 | 4372009.60 | 486.70 | KYVRS | |
| L537-FA | 3758396.78 | 4372104.64 | 492.33 | KYVRS | |
| L537-HG | 3758350.14 | 4372038.44 | 489.10 | KYVRS | |
| L537-UA | 3758280.56 | 4372098.73 | 489.70 | KYVRS | |
| L604 | 3818977.83 | 4413447.59 | 396.39 | KYVRS | CL CATCH BASIN |
| L604-BE | 3818875.21 | 4413410.76 | 406.05 | KYVRS | |
| L604-BR | 3818329.67 | 4414627.58 | 405.04 | KYVRS | |
| L604-FA | 3818306.37 | 4414679.84 | 404.99 | KYVRS | |
| L604-HG | 3818926.31 | 4413236.61 | 408.40 | KYVRS | |
| L604-UA | 3818961.71 | 4413372.91 | 398.99 | KYVRS | |
| L607 | 3823799.29 | 4394821.11 | 380.89 | KYVRS | NE CNR OF ASPHALT PARKING LOT |
| L607-BE | 3823848.01 | 4394864.23 | 380.06 | KYVRS | |
| L607-BR | 3823635.64 | 4394855.75 | 386.42 | KYVRS | |
| L607-FA | 3823596.93 | 4394961.03 | 391.52 | KYVRS | |
| L607-HG | 3823549.45 | 4394918.37 | 388.93 | KYVRS | |
| L607-UA | 3823713.28 | 4394838.54 | 384.81 | KYVRS | |
| L610 | 3841708.96 | 4416075.36 | 459.68 | KYVRS | NW CNR CONCRETE PARKING LOT |
| L610-BE | 3841682.67 | 4416042.45 | 456.79 | KYVRS | |
| L610-BR | 3841716.00 | 4416125.59 | 461.63 | KYVRS | |
| L610-FA | 3841602.32 | 4416163.05 | 464.65 | KYVRS | |
| L610-HG | 3841809.48 | 4415720.02 | 443.72 | KYVRS | |
| L610-UA | 3841627.53 | 4416098.53 | 457.82 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L617 | 3820652.57 | 4339904.35 | 413.76 | KYVRS | NE CNR OF WALK |
| L617-BE | 3820631.35 | 4339898.74 | 414.78 | KYVRS | |
| L617-BR | 3820612.32 | 4339882.33 | 414.45 | KYVRS | |
| L617-FA | 3820535.25 | 4339832.34 | 412.10 | KYVRS | |
| L617-HG | 3820572.81 | 4339846.63 | 413.17 | KYVRS | |
| L617-UA | 3820556.05 | 4339810.62 | 410.61 | KYVRS | |
| L626 | 3792590.89 | 4337813.71 | 374.63 | KYVRS | NW EDGE RD @ S CNR OF DRIVE |
| L626-BE | 3792594.38 | 4337766.44 | 374.45 | KYVRS | |
| L626-BR | 3792417.78 | 4337768.73 | 372.67 | KYVRS | |
| L626-FA | 3792612.67 | 4337733.53 | 375.33 | KYVRS | |
| L626-HG | 3792699.81 | 4337854.53 | 371.88 | KYVRS | |
| L626-UA | 3792645.91 | 4337780.09 | 375.01 | KYVRS | |
| L628 | 3793560.30 | 4370215.29 | 476.54 | KYVRS | CL N EDGE PAINT LINE |
| L628-BE | 3793577.97 | 4370259.29 | 475.04 | KYVRS | |
| L628-BR | 3793471.80 | 4370051.17 | 481.76 | KYVRS | |
| L628-FA | 3793587.85 | 4370136.69 | 481.34 | KYVRS | |
| L628-HG | 3793616.49 | 4370157.69 | 481.35 | KYVRS | |
| L628-UA | 3793535.95 | 4370285.38 | 475.06 | KYVRS | |
| L630 | 3793015.02 | 4405928.84 | 442.06 | KYVRS | E RD EDGE @NW CNR DRIVE |
| L630-BE | 3792981.22 | 4405972.24 | 442.17 | KYVRS | |
| L630-BR | 3792795.11 | 4405954.52 | 440.15 | KYVRS | |
| L630-FA | 3792920.22 | 4405917.69 | 438.79 | KYVRS | |
| L630-HG | 3792869.30 | 4406022.57 | 443.69 | KYVRS | |
| L630-UA | 3792799.62 | 4406003.89 | 442.78 | KYVRS | |
| L634 | 3772554.31 | 4364110.66 | 448.60 | KYVRS | E EDGE RD @ NW CNR DRIVE |
| L634-BE | 3772539.15 | 4364147.75 | 450.32 | KYVRS | |
| L634-BR | 3772418.92 | 4363954.46 | 446.23 | KYVRS | |
| L634-FA | 3772439.85 | 4364014.68 | 447.24 | KYVRS | |
| L634-HG | 3772438.30 | 4364121.58 | 449.19 | KYVRS | |
| L634-UA | 3772515.83 | 4364168.77 | 451.51 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L635 | 3779895.01 | 4410919.16 | 466.84 | KYVRS | NE CNR CATCH BASIN GRATE |
| L635-BE | 3779926.36 | 4410916.03 | 468.77 | KYVRS | |
| L635-BR | 3780001.15 | 4411015.67 | 478.85 | KYVRS | |
| L635-FA | 3780010.47 | 4411063.07 | 473.64 | KYVRS | |
| L635-HG | 3779982.35 | 4410997.91 | 476.43 | KYVRS | |
| L635-UA | 3779923.43 | 4410966.07 | 469.25 | KYVRS | |
| L636 | 3773660.82 | 4398294.90 | 425.46 | KYVRS | W EDGE RD IN LINE WITH STOP SIGN |
| L636-BE | 3773691.55 | 4398336.55 | 424.48 | KYVRS | |
| L636-BR | 3773559.01 | 4398267.99 | 425.96 | KYVRS | |
| L636-FA | 3773347.02 | 4398298.02 | 434.12 | KYVRS | |
| L636-HG | 3773583.75 | 4398310.29 | 426.48 | KYVRS | |
| L636-UA | 3773697.00 | 4398309.91 | 424.18 | KYVRS | |
| L703 | 3873491.94 | 4430406.59 | 398.76 | KYVRS | E RD EDGE @ NW CNR DRIVE |
| L703-BE | 3873527.73 | 4430415.67 | 399.42 | KYVRS | |
| L703-BR | 3873510.11 | 4430453.67 | 399.63 | KYVRS | |
| L703-FA | 3873368.51 | 4430359.56 | 393.60 | KYVRS | |
| L703-HG | 3873141.33 | 4429756.91 | 387.31 | KYVRS | |
| L703-UA | 3873538.50 | 4430397.36 | 400.16 | KYVRS | |
| L711 | 3806957.04 | 4527586.05 | 397.36 | KYVRS | SE CNR OF WALK @ DRIVE ISECT |
| L711-BE | 3806934.06 | 4527594.95 | 397.21 | KYVRS | |
| L711-BR | 3806983.65 | 4527571.72 | 397.90 | KYVRS | |
| L711-FA | 3806878.03 | 4527596.01 | 396.93 | KYVRS | |
| L711-HG | 3806924.14 | 4527436.05 | 398.91 | KYVRS | |
| L711-UA | 3806967.41 | 4527529.73 | 397.63 | KYVRS | |
| L712 | 3831434.93 | 4476703.02 | 383.51 | KYVRS | N RD EDGE OPPOSITE END GRAVEL RAIL |
| L712-BE | 3831404.31 | 4476918.43 | 380.04 | KYVRS | |
| L712-BR | 3831530.81 | 4476514.91 | 378.97 | KYVRS | |
| L712-FA | 3831392.46 | 4477008.14 | 380.99 | KYVRS | |
| L712-HG | 3831402.81 | 4476868.20 | 378.47 | KYVRS | |
| L712-UA | 3831328.93 | 4477008.93 | 384.19 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L715 | 3861440.60 | 4474713.64 | 450.18 | KYVRS | CL W EDGE STOP BAR |
| L715-BE | 3861602.68 | 4474811.09 | 462.32 | KYVRS | |
| L715-BR | 3861589.05 | 4474787.22 | 459.79 | KYVRS | |
| L715-FA | 3861566.57 | 4474900.63 | 466.86 | KYVRS | |
| L715-HG | 3861611.41 | 4474735.09 | 458.95 | KYVRS | |
| L715-UA | 3861489.66 | 4474749.41 | 452.45 | KYVRS | |
| L724 | 3847210.32 | 4555770.24 | 399.62 | KYVRS | NW CNR OF CONC AROUND CATCH BASIN |
| L724-BE | 3847180.18 | 4555785.61 | 400.32 | KYVRS | |
| L724-BR | 3847190.79 | 4555677.88 | 386.62 | KYVRS | |
| L724-FA | 3847153.79 | 4555700.38 | 386.60 | KYVRS | |
| L724-HG | 3847206.90 | 4555655.46 | 385.35 | KYVRS | |
| L724-UA | 3847239.86 | 4555683.31 | 399.81 | KYVRS | |
| L729 | 3844453.54 | 4595656.00 | 517.95 | KYVRS | N EDGE RD @ W RD EDGE |
| L729-BE | 3844473.92 | 4595642.38 | 521.73 | KYVRS | |
| L729-BR | 3844387.69 | 4595781.09 | 506.52 | KYVRS | |
| L729-FA | 3844412.42 | 4595748.70 | 510.91 | KYVRS | |
| L729-HG | 3844432.66 | 4595605.19 | 520.39 | KYVRS | |
| L729-UA | 3844427.92 | 4595681.72 | 514.49 | KYVRS | |
| L731 | 3866770.49 | 4569308.39 | 377.16 | KYVRS | CL RD @ CL CULVERT |
| L731-BE | 3866789.31 | 4569307.80 | 376.01 | KYVRS | |
| L731-BR | 3867145.11 | 4567260.37 | 388.11 | KYVRS | |
| L731-FA | 3867140.22 | 4567198.64 | 390.79 | KYVRS | |
| L731-HG | 3867202.85 | 4567193.05 | 391.35 | KYVRS | |
| L731-UA | 3866773.96 | 4569274.41 | 377.26 | KYVRS | |
| L4010 | 3693451.70 | 4222224.30 | 422.13 | KYVRS | SE CNR STOP BAR NAIL SET |
| L4010-BE | 3693428.31 | 4222249.61 | 423.21 | KYVRS | |
| L4010-BR | 3693366.01 | 4222307.48 | 432.51 | KYVRS | |
| L4010-FA | 3693410.14 | 4222250.34 | 426.80 | KYVRS | |
| L4010-HG | 3693422.03 | 4222335.77 | 426.26 | KYVRS | |
| L4010-UA | 3693414.92 | 4222305.42 | 426.80 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L4011 | 3690463.88 | 4197143.32 | 375.63 | KYVRS | CL E EDGE STOP BAR NAIL SET |
| L4011-BE | 3690500.47 | 4197209.83 | 374.87 | KYVRS | |
| L4011-BR | 3690518.28 | 4197195.65 | 374.63 | KYVRS | |
| L4011-FA | 3690544.57 | 4197135.35 | 373.14 | KYVRS | |
| L4011-HG | 3690446.04 | 4197166.66 | 377.80 | KYVRS | |
| L4011-UA | 3690525.82 | 4197154.01 | 373.68 | KYVRS | |
| L5006 | 3714173.52 | 4265557.04 | 550.40 | KYVRS | E RD EDGE @ NW CNR OF GRAVEL DRIVE |
| L5006-BE | 3714007.40 | 4265618.56 | 555.98 | KYVRS | |
| L5006-BR | 3714192.74 | 4265508.90 | 549.48 | KYVRS | |
| L5006-FA | 3714091.80 | 4265615.13 | 551.56 | KYVRS | |
| L5006-HG | 3714181.64 | 4265567.03 | 547.92 | KYVRS | |
| L5006-UA | 3714196.27 | 4265537.40 | 549.64 | KYVRS | |
| L5008 | 3758735.56 | 4229758.99 | 343.25 | KYVRS | S EDGE RD @ CROP LINE |
| L5008-BE | 3758752.57 | 4229801.97 | 342.56 | KYVRS | |
| L5008-BR | 3759609.98 | 4232027.68 | 340.36 | KYVRS | |
| L5008-FA | 3759685.64 | 4232075.19 | 342.53 | KYVRS | |
| L5008-HG | 3759712.34 | 4231919.33 | 340.28 | KYVRS | |
| L5008-UA | 3758763.28 | 4229787.34 | 342.85 | KYVRS | |
| L5018 | 3807988.58 | 4282450.40 | 400.94 | KYVRS | W RD EDGE @ SE CNR OF DRIVE |
| L5018-BE | 3808033.24 | 4282449.56 | 400.60 | KYVRS | |
| L5018-BR | 3807995.88 | 4282486.29 | 401.68 | KYVRS | |
| L5018-FA | 3808114.56 | 4282450.36 | 405.50 | KYVRS | |
| L5018-HG | 3808207.19 | 4282524.35 | 402.51 | KYVRS | |
| L5018-UA | 3808046.79 | 4282477.67 | 402.10 | KYVRS | |
| L5021 | 3796033.81 | 4255074.10 | 354.14 | KYVRS | S RD EDGE @ BREAK IN ASPHALT |
| L5021-BE | 3796000.08 | 4255113.33 | 352.25 | KYVRS | |
| L5021-BR | 3796086.19 | 4255082.99 | 349.43 | KYVRS | |
| L5021-FA | 3796079.12 | 4255049.58 | 351.13 | KYVRS | |
| L5021-HG | 3795958.74 | 4255156.12 | 348.88 | KYVRS | |
| L5021-UA | 3795970.01 | 4255177.07 | 351.62 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L5022 | 3782356.07 | 4234433.51 | 375.60 | KYVRS | CL NW EDGE OF PAINT STRIPE |
| L5022-BE | 3782276.19 | 4234305.32 | 368.88 | KYVRS | |
| L5022-BR | 3782366.07 | 4234324.11 | 372.89 | KYVRS | |
| L5022-FA | 3782447.91 | 4234401.48 | 372.26 | KYVRS | |
| L5022-HG | 3782254.63 | 4234327.04 | 367.89 | KYVRS | |
| L5022-UA | 3782336.73 | 4234359.63 | 374.11 | KYVRS | |
| L6007 | 3820502.32 | 4373032.53 | 380.50 | KYVRS | N CNR WALK |
| L6007-BE | 3820572.99 | 4373026.05 | 380.42 | KYVRS | |
| L6007-BR | 3820485.74 | 4372876.35 | 372.50 | KYVRS | |
| L6007-FA | 3820600.87 | 4372837.13 | 371.18 | KYVRS | |
| L6007-HG | 3820514.21 | 4372869.49 | 371.90 | KYVRS | |
| L6007-UA | 3820580.01 | 4372948.92 | 380.97 | KYVRS | |
| L6010 | 3865277.96 | 4402448.09 | 376.55 | KYVRS | SE CNR CONC RD @ N RD EDGE |
| L6010-BE | 3865322.01 | 4402472.76 | 377.17 | KYVRS | |
| L6010-BR | 3864888.64 | 4402435.11 | 364.45 | KYVRS | |
| L6010-FA | 3865239.85 | 4402340.88 | 369.23 | KYVRS | |
| L6010-HG | 3865226.49 | 4402390.37 | 371.03 | KYVRS | |
| L6010-UA | 3865321.36 | 4402422.11 | 377.56 | KYVRS | |
| L6017-ALT | 3883643.96 | 4387838.28 | 378.08 | KYVRS | CL SE EDGE CONC SIDEWALK |
| L6017-ALT-BE | 3883681.79 | 4387831.23 | 379.71 | KYVRS | |
| L6017-ALT-BR | 3883708.44 | 4387766.27 | 378.60 | KYVRS | |
| L6017-ALT-FA | 3883500.35 | 4387819.33 | 379.93 | KYVRS | |
| L6017-ALT-HG | 3883819.64 | 4387823.99 | 377.36 | KYVRS | |
| L6017-ALT-UA | 3883570.17 | 4387858.67 | 379.42 | KYVRS | |
| L6021 | 3844567.60 | 4334140.13 | 365.96 | KYVRS | W RD EDGE @ SE CNR OF DRIVE |
| L6021-BE | 3844556.20 | 4334127.23 | 365.37 | KYVRS | |
| L6021-BR | 3844493.52 | 4334166.54 | 365.49 | KYVRS | |
| L6021-FA | 3844422.77 | 4334158.00 | 365.12 | KYVRS | |
| L6021-HG | 3844544.68 | 4334097.39 | 365.18 | KYVRS | |
| L6021-UA | 3844521.34 | 4334145.06 | 365.72 | KYVRS | |

| ID | NORTH(Y) | EAST(X) | ELEVATION(Z) | METHOD | COMMENTS |
|---|---|---|---|---|---|
| L6034 | 3866905.17 | 4297082.51 | 386.68 | KYVRS | SE EDGE RD @ NW EDGE GRAVEL DRIVE |
| L6034-BE | 3866885.83 | 4297089.60 | 386.59 | KYVRS | |
| L6034-BR | 3867605.62 | 4297926.02 | 380.55 | KYVRS | |
| L6034-FA | 3867529.04 | 4297838.67 | 382.04 | KYVRS | |
| L6034-HG | 3867363.75 | 4297851.53 | 382.07 | KYVRS | |
| L6034-UA | 3866876.22 | 4297048.38 | 386.91 | KYVRS | |
| L7151 | 3809548.24 | 4563293.08 | 434.47 | KYVRS | SE CNR OF GRASS @ RD ISECT |
| L7151-BE | 3809559.24 | 4563262.06 | 433.30 | KYVRS | |
| L7151-BR | 3809585.28 | 4563213.27 | 431.69 | KYVRS | |
| L7151-FA | 3809563.03 | 4563324.31 | 434.64 | KYVRS | |
| L7151-HG | 3809632.90 | 4563213.80 | 433.26 | KYVRS | |
| L7151-UA | 3809535.48 | 4563239.19 | 432.68 | KYVRS | |
| L7241 | 3825866.96 | 4596050.76 | 418.64 | KYVRS | N EDGE RD @ CL CUVERT |
| L7241-BE | 3825840.44 | 4596156.87 | 416.04 | KYVRS | |
| L7241-BR | 3825903.76 | 4596008.82 | 412.98 | KYVRS | |
| L7241-FA | 3825818.97 | 4596325.40 | 419.81 | KYVRS | |
| L7241-HG | 3825888.92 | 4596114.71 | 413.92 | KYVRS | |
| L7241-UA | 3825861.72 | 4596193.78 | 417.96 | KYVRS | |
| L50061 | 3740877.86 | 4247721.63 | 383.07 | KYVRS | NE EDGE PVMT @ COLOR CHANGE |
| L50061-BE | 3740891.81 | 4247765.55 | 381.86 | KYVRS | |
| L50061-BR | 3740864.81 | 4247840.46 | 381.71 | KYVRS | |
| L50061-FA | 3740904.10 | 4247870.90 | 379.92 | KYVRS | |
| L50061-HG | 3740855.97 | 4247911.10 | 378.75 | KYVRS | |
| L50061-UA | 3740892.37 | 4247810.03 | 382.37 | KYVRS | |
| PAH TSM 1 | 3559912.47 | 4040016.08 | 395.83 | OPUS | RTK BASE |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | 103E |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Padacuah West |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3578577.59 | ELEVATION | ELLIPSOID |
| EASTING: | 4063132.73 | 347.50 | 254.16 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 13:25:36 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 13:27:40 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

N TIP PAINTED CHEVRON NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | 103E |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 103E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 103E-BE | | | Point ID | 103E-BE | | |
| NEZ | 3578540.41 | 4063142.50 | 346.65 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 103E-BR | | | Point ID | 103E-BR | | |
| NEZ | 3578449.78 | 4063076.36 | 346.00 | | | | |

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Lexington, KY 40503
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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 103E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 103E-FA | | | Point ID | 103E-FA | | |
| NEZ | 3578522.59 | 4063072.99 | 344.67 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 103E-HG | | | Point ID | 103E-HG | | |
| NEZ | 3578502.67 | 4063155.37 | 345.55 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 103E |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | 103E-UA | | |
| NEZ | 3578558.62 | 4063145.09 | 347.49 |

| Photo: | | | |
|---|---|---|---|
| Point ID | 103E-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | 214E |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Heath |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3566673.54 | ELEVATION | ELLIPSOID |
| EASTING: | 4011362.16 | 448.95 | 356.04 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 13:21:46 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 13:24:04 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S END OF W MOST PARK STRIPE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | 214E |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Geospatial Solutions

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | 214E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 214E-BE | | | Point ID | 214E-BE | | |
| NEZ | 3566703.65 | 4011382.16 | 448.30 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 214E-BR | | | Point ID | 214E-BR | | |
| NEZ | 3566538.85 | 4011319.98 | 448.52 | | | | |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 214E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 214E-FA | | | Point ID | 214E-FA | | |
| NEZ | 3566583.40 | 4011511.96 | 454.69 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 214E-HG | | | Point ID | 214E-HG | | |
| NEZ | 3566657.35 | 4011479.32 | 451.44 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 214E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 214E-UA | | | Point ID | 214E-UA | | |
| NEZ | 3566633.16 | 4011287.88 | 448.79 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | 215E |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Padacuah West |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3564508.65 | ELEVATION | ELLIPSOID |
| EASTING: | 4049803.53 | 359.16 | 265.93 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 15:45:32 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 15:47:23 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | 215E |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 215E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 215E-BE | | | Point ID | 215E-BE | | |
| NEZ | 3564734.14 | 4049872.21 | 365.84 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 215E-BR | | | Point ID | 215E-BR | | |
| NEZ | 3564593.85 | 4049779.80 | 354.82 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 215E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 215E-FA | | | Point ID | 215E-FA | | |
| NEZ | 3564665.23 | 4049823.29 | 359.59 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 215E-HG | | | Point ID | 215E-HG | | |
| NEZ | 3564558.64 | 4049801.02 | 357.11 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | 215E |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | 215E-UA | | | Point ID | 215E-UA | | |
| NEZ | 3564528.33 | 4049826.45 | 358.73 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L11-23 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Heath |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3546407.59 | ELEVATION | ELLIPSOID |
| EASTING: | 4038309.07 | 483.88 | 390.78 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 17:46:47 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 17:48:11 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

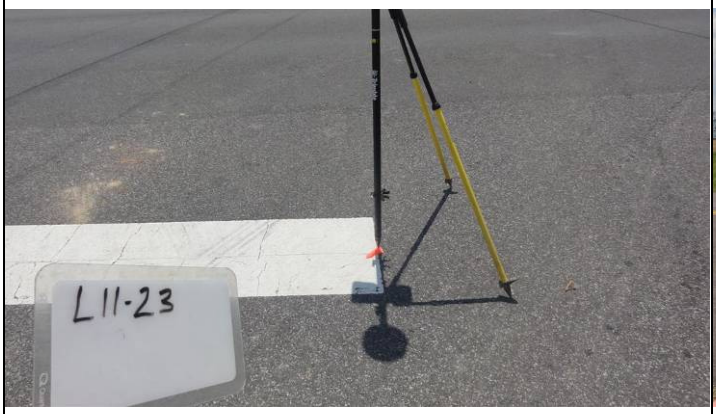


Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L11-23 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L11-23 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L11-23-BE | | | Point ID | L11-23-BE | | |
| NEZ | 3546516.79 | 4038403.22 | 481.39 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L11-23-BR | | | Point ID | L11-23-BR | | |
| NEZ | 3546391.21 | 4038207.68 | 482.28 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L11-23 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L11-23-FA | | | Point ID | L11-23-FA | | |
| NEZ | 3546530.45 | 4038167.51 | 478.28 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L11-23-HG | | | Point ID | L11-23-HG | | |
| NEZ | 3546464.01 | 4038184.52 | 479.87 | | | | |

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**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L11-23 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L11-23-UA | | |
| NEZ | 3546385.35 | 4038242.75 | 483.43 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L11-23-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L16-81 |
| Proj. No.: | 7145-003 |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IL | COUNTY: | Pulaski | QUAD: | Olmstead |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3592256.57 | ELEVATION | ELLIPSOID |
| EASTING: | 3938111.36 | 349.33 | 256.57 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 21:24:55 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 21:26:38 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W EDGE RD @ N EDGE GEAVEL DR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L16-81 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L16-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L16-81-BE | | | Point ID | L16-81-BE | | |
| NEZ | 3592309.19 | 3938099.78 | 347.22 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L16-81-BR | | | Point ID | L16-81-BR | | |
| NEZ | 3592229.45 | 3938095.95 | 349.61 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L16-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L16-81-FA | | | Point ID | L16-81-FA | | |
| NEZ | 3592265.42 | 3938083.61 | 348.31 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L16-81-HG | | | Point ID | L16-81-HG | | |
| NEZ | 3592253.52 | 3938140.65 | 349.12 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L16-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L16-81-UA | | |
| NEZ | 3592263.71 | 3938120.48 | 349.25 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L16-81-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L17-19 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Padacuah West |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3542084.14 | ELEVATION | ELLIPSOID |
| EASTING: | 4067081.35 | 445.45 | 352.08 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 17:13:11 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 17:15:32 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR ASPH PULL OFF NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L17-19 |
| Proj. No.: | 7145-003 |

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L17-19 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L17-19-BE | | | Point ID | L17-19-BE | | |
| NEZ | 3542030.49 | 4067119.66 | 449.95 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L17-19-BR | | | Point ID | L17-19-BR | | |
| NEZ | 3542018.66 | 4067025.70 | 432.75 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L17-19 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L17-19-FA | | | Point ID | L17-19-FA | | |
| NEZ | 3542101.91 | 4066967.75 | 434.17 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L17-19-HG | | | Point ID | L17-19-HG | | |
| NEZ | 3542183.03 | 4066920.99 | 438.41 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L17-19 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L17-19-UA | | |
| NEZ | 3542074.72 | 4067104.72 | 448.87 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L17-19-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L19-29 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Padacuah West |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3555172.69 | ELEVATION | ELLIPSOID |
| EASTING: | 4074522.48 | 429.27 | 335.85 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 16:21:11 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 16:23:57 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L19-29 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L19-29 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-29-BE | | | Point ID | L19-29-BE | | |
| NEZ | 3554961.35 | 4074575.59 | 425.57 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-29-BR | | | Point ID | L19-29-BR | | |
| NEZ | 3554785.76 | 4074509.22 | 419.10 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L19-29 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-29-FA | | | Point ID | L19-29-FA | | |
| NEZ | 3554840.50 | 4074552.73 | 419.98 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-29-HG | | | Point ID | L19-29-HG | | |
| NEZ | 3554985.99 | 4074607.18 | 418.65 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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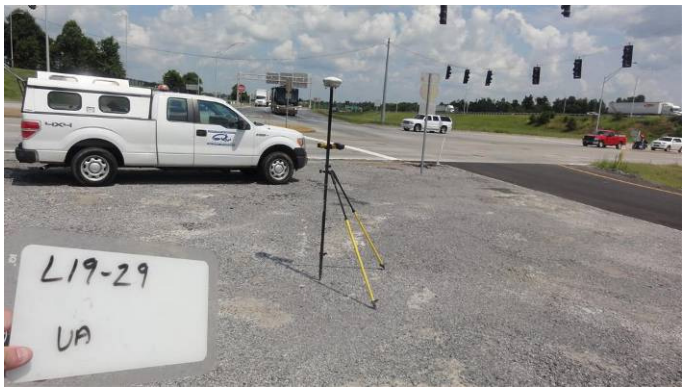
|---|---|
| AREA ID: | L19-29 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-29-UA | | | Point ID | L19-29-UA | | |
| NEZ | 3555119.91 | 4074523.44 | 430.10 | | | | |




| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L19-82 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Ballard | QUAD: | Olmstead |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3595755.74 | ELEVATION | ELLIPSOID |
| EASTING: | 3973318.31 | 351.92 | 258.94 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 14:18:16 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 14:20:16 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SW EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L19-82 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L19-82 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-82-BE | | | Point ID | L19-82-BE | | |
| NEZ | 3595652.29 | 3973447.81 | 348.22 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-82-BR | | | Point ID | L19-82-BR | | |
| NEZ | 3595772.65 | 3973338.74 | 351.79 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L19-82 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L19-82-FA | | |
| NEZ | 3595699.55 | 3973439.22 | 348.32 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L19-82-FA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | L19-82-HG | | |
| NEZ | 3595775.09 | 3973277.54 | 353.18 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L19-82-HG | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L19-82 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L19-82-UA | | |
| NEZ | 3595788.32 | 3973302.81 | 352.31 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L19-82-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L19-92 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IL | COUNTY: | Pulaski | QUAD: | Olmstead |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3623996.36 | ELEVATION | ELLIPSOID |
| EASTING: | 3962168.55 | 387.89 | 294.80 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 21:02:37 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 21:03:05 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE EDGE RD @ NE EDGE DR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L19-92 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L19-92 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-92-BE | | | Point ID | L19-92-BE | | |
| NEZ | 3623972.59 | 3962198.17 | 388.24 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-92-BR | | | Point ID | L19-92-BR | | |
| NEZ | 3623933.98 | 3962245.32 | 388.17 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L19-92 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-92-FA | | | Point ID | L19-92-FA | | |
| NEZ | 3623790.00 | 3962181.28 | 388.31 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-92-HG | | | Point ID | L19-92-HG | | |
| NEZ | 3624025.55 | 3962289.29 | 384.90 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L19-92 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L19-92-UA | | | Point ID | L19-92-UA | | |
| NEZ | 3623846.88 | 3962139.01 | 390.91 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L21-63 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Ballard | QUAD: | Blandville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3535544.71 | ELEVATION | ELLIPSOID |
| EASTING: | 3986006.38 | 461.11 | 368.53 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 18:18:11 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 18:20:20 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL E END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L21-63 |
| Proj. No.: | 7145-003 |

| Photo: | Photo: |
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| **Photo:** | **Photo:** |
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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L21-63 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L21-63-BE | | | Point ID | L21-63-BE | | |
| NEZ | 3535634.89 | 3985912.99 | 458.31 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L21-63-BR | | | Point ID | L21-63-BR | | |
| NEZ | 3535507.68 | 3985947.00 | 459.24 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L21-63 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L21-63-FA | | | Point ID | L21-63-FA | | |
| NEZ | 3535639.93 | 3986033.05 | 458.87 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L21-63-HG | | | Point ID | L21-63-HG | | |
| NEZ | 3535480.44 | 3985970.61 | 461.05 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L21-63 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L21-63-UA | | | Point ID | L21-63-UA | | |
| NEZ | 3535512.29 | 3985991.36 | 461.16 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L23-53 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Carlisle | QUAD: | Blandville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3505462.08 | ELEVATION | ELLIPSOID |
| EASTING: | 4002475.79 | 391.76 | 299.27 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 18:46:01 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 18:47:50 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR PAINTED NO PARK BLOCK NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L23-53 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L23-53 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-53-BE | | | Point ID | L23-53-BE | | |
| NEZ | 3505397.33 | 4002478.63 | 391.29 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-53-BR | | | Point ID | L23-53-BR | | |
| NEZ | 3505575.89 | 4002648.44 | 389.44 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L23-53 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-53-FA | | | Point ID | L23-53-FA | | |
| NEZ | 3505726.50 | 4002597.06 | 381.54 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-53-HG | | | Point ID | L23-53-HG | | |
| NEZ | 3505616.47 | 4002587.87 | 389.77 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L23-53 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L23-53-UA | | |
| NEZ | 3505440.03 | 4002474.95 | 391.67 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L23-53-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L23-74 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Ballard | QUAD: | La Center |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3567883.58 | ELEVATION | ELLIPSOID |
| EASTING: | 3999313.53 | 435.79 | 342.93 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 13:44:55 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 13:47:11 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S RD EDGE @ E EDGE CONC DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L23-74 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L23-74 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-74-BE | | | Point ID | L23-74-BE | | |
| NEZ | 3567861.17 | 3999329.57 | 433.12 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-74-BR | | | Point ID | L23-74-BR | | |
| NEZ | 3568034.83 | 3999142.45 | 431.22 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L23-74 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-74-FA | | | Point ID | L23-74-FA | | |
| NEZ | 3567836.84 | 3999311.92 | 432.31 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-74-HG | | | Point ID | L23-74-HG | | |
| NEZ | 3567894.63 | 3999195.26 | 433.33 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L23-74 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L23-74-UA | | |
| NEZ | 3567819.73 | 3999292.50 | 430.45 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L23-74-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L23-85 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Bandana |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3600851.44 | ELEVATION | ELLIPSOID |
| EASTING: | 4002288.08 | 355.92 | 262.88 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 14:46:38 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 14:48:38 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR ASPH PATCH NAIL SET

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|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L23-85 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L23-85 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-85-BE | | | Point ID | L23-85-BE | | |
| NEZ | 3600802.69 | 4002332.86 | 359.20 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-85-BR | | | Point ID | L23-85-BR | | |
| NEZ | 3601017.17 | 4002027.16 | 348.62 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L23-85 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-85-FA | | | Point ID | L23-85-FA | | |
| NEZ | 3600902.66 | 4002309.70 | 359.11 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L23-85-HG | | | Point ID | L23-85-HG | | |
| NEZ | 3600836.30 | 4002312.57 | 359.46 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L23-85 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L23-85-UA | | |
| NEZ | 3600911.46 | 4002235.83 | 353.80 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L23-85-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L25-60 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Ballard | QUAD: | Lovelaceville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3526576.61 | ELEVATION | ELLIPSOID |
| EASTING: | 4021414.77 | 356.56 | 263.75 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 19:10:45 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 19:12:26 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L25-60 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L25-60 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L25-60-BE | | | Point ID | L25-60-BE | | |
| NEZ | 3526463.89 | 4021185.71 | 365.37 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L25-60-BR | | | Point ID | L25-60-BR | | |
| NEZ | 3526495.01 | 4021215.13 | 365.03 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L25-60 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L25-60-FA | | | Point ID | L25-60-FA | | |
| NEZ | 3526428.19 | 4021221.32 | 364.21 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L25-60-HG | | | Point ID | L25-60-HG | | |
| NEZ | 3526458.81 | 4021294.78 | 362.65 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L25-60 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L25-60-UA | | | Point ID | L25-60-UA | | |
| NEZ | 3526571.54 | 4021358.93 | 357.29 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L27-50 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Lovelaceville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3495565.09 | ELEVATION | ELLIPSOID |
| EASTING: | 4037415.50 | 462.20 | 369.54 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 14:05:30 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 14:07:29 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE EDGE RD @ SE EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L27-50 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L27-50 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L27-50-BE | | | Point ID | L27-50-BE | | |
| NEZ | 3495505.23 | 4037402.59 | 465.50 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L27-50-BR | | | Point ID | L27-50-BR | | |
| NEZ | 3495475.79 | 4037433.40 | 467.14 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L27-50 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L27-50-FA | | | Point ID | L27-50-FA | | |
| NEZ | 3495387.10 | 4037711.41 | 458.10 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L27-50-HG | | | Point ID | L27-50-HG | | |
| NEZ | 3495352.92 | 4037719.54 | 457.59 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L27-50 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L27-50-UA | | |
| NEZ | 3495545.51 | 4037425.26 | 462.54 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L27-50-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L28-8 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Cuba |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3372387.90 | ELEVATION | ELLIPSOID |
| EASTING: | 4046737.38 | 535.81 | 443.37 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 15:15:58 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 15:17:59 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

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| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L28-8 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L28-8 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-8-BE | | | Point ID | L28-8-BE | | |
| NEZ | 3372341.33 | 4046746.54 | 532.39 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-8-BR | | | Point ID | L28-8-BR | | |
| NEZ | 3372318.40 | 4046583.78 | 527.67 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L28-8 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-8-FA | | | Point ID | L28-8-FA | | |
| NEZ | 3372345.00 | 4046687.45 | 532.85 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-8-HG | | | Point ID | L28-8-HG | | |
| NEZ | 3372247.61 | 4046724.26 | 525.11 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L28-8 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L28-8-UA | | |
| NEZ | 3372390.49 | 4046806.30 | 535.02 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L28-8-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L28-54 |
| Proj. No.: | 7145-003 |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Melber |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3508488.61 | ELEVATION | ELLIPSOID |
| EASTING: | 4045317.96 | 477.91 | 384.93 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 13:42:45 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 13:44:48 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L28-54 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L28-54 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-54-BE | | | Point ID | L28-54-BE | | |
| NEZ | 3508512.09 | 4045358.16 | 478.77 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-54-BR | | | Point ID | L28-54-BR | | |
| NEZ | 3508424.93 | 4045358.35 | 476.94 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L28-54 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-54-FA | | | Point ID | L28-54-FA | | |
| NEZ | 3508556.84 | 4045307.75 | 476.00 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-54-HG | | | Point ID | L28-54-HG | | |
| NEZ | 3508430.07 | 4045335.46 | 476.62 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L28-54 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L28-54-UA | | |
| NEZ | 3508491.56 | 4045344.67 | 478.96 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L28-54-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L28-56 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Melber |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3516060.40 | ELEVATION | ELLIPSOID |
| EASTING: | 4051770.36 | 382.94 | 289.77 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 13:23:25 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 13:25:36 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L28-56 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L28-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-56-BE | | | Point ID | L28-56-BE | | |
| NEZ | 3516081.62 | 4051731.95 | 384.92 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-56-BR | | | Point ID | L28-56-BR | | |
| NEZ | 3516124.11 | 4051700.01 | 385.34 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L28-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-56-FA | | | Point ID | L28-56-FA | | |
| NEZ | 3516037.63 | 4051696.29 | 386.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L28-56-HG | | | Point ID | L28-56-HG | | |
| NEZ | 3515991.39 | 4051558.44 | 385.67 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L28-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L28-56-UA | | |
| NEZ | 3516052.10 | 4051750.57 | 383.42 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L28-56-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L29-38 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Hickory |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3460243.95 | ELEVATION | ELLIPSOID |
| EASTING: | 4059864.30 | 499.30 | 406.88 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 14:38:12 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 14:40:24 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR CONC APRON

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L29-38 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L29-38 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L29-38-BE | | | Point ID | L29-38-BE | | |
| NEZ | 3460275.33 | 4059919.21 | 498.88 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L29-38-BR | | | Point ID | L29-38-BR | | |
| NEZ | 3460318.29 | 4059902.15 | 500.06 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L29-38 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L29-38-FA | | | Point ID | L29-38-FA | | |
| NEZ | 3460316.85 | 4059853.32 | 501.58 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L29-38-HG | | | Point ID | L29-38-HG | | |
| NEZ | 3460212.22 | 4059915.19 | 500.09 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L29-38 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L29-38-UA | | |
| NEZ | 3460232.96 | 4059895.04 | 499.15 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L29-38-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L30-4-ALT |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Cuba |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3358314.30 | ELEVATION | ELLIPSOID |
| EASTING: | 4067160.57 | 426.27 | 333.59 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 15:44:31 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 15:46:31 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR DR @ N EDGE RD NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L30-4-ALT |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L30-4-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-4-ALT-BE | | | Point ID | L30-4-ALT-BE | | |
| NEZ | 3358340.54 | 4067193.02 | 427.52 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-4-ALT-BR | | | Point ID | L30-4-ALT-BR | | |
| NEZ | 3358265.08 | 4067031.86 | 430.78 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L30-4-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-4-ALT-FA | | | Point ID | L30-4-ALT-FA | | |
| NEZ | 3358299.05 | 4067059.42 | 426.96 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-4-ALT-HG | | | Point ID | L30-4-ALT-HG | | |
| NEZ | 3358325.10 | 4066982.69 | 429.42 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L30-4-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L30-4-ALT-UA | | |
| NEZ | 3358302.06 | 4067210.37 | 425.51 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L30-4-ALT-UA | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L30-46 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Hickory |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3484303.56 | ELEVATION | ELLIPSOID |
| EASTING: | 4067627.08 | 480.84 | 387.89 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 15:08:18 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 15:10:18 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR ASPHALT COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L30-46 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L30-46 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-46-BE | | | Point ID | L30-46-BE | | |
| NEZ | 3484213.20 | 4067788.26 | 467.06 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-46-BR | | | Point ID | L30-46-BR | | |
| NEZ | 3484177.21 | 4067833.48 | 467.59 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L30-46 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-46-FA | | | Point ID | L30-46-FA | | |
| NEZ | 3484385.01 | 4067679.30 | 468.34 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L30-46-HG | | | Point ID | L30-46-HG | | |
| NEZ | 3484362.48 | 4067612.34 | 479.57 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L30-46 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L30-46-UA | | |
| NEZ | 3484343.31 | 4067604.61 | 481.27 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L30-46-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L32-12 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Lynnville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3381768.27 | ELEVATION | ELLIPSOID |
| EASTING: | 4082356.13 | 556.41 | 463.71 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 14:48:12 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 14:50:14 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW CNR ISECT @ COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L32-12 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L32-12 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-12-BE | | | Point ID | L32-12-BE | | |
| NEZ | 3381818.93 | 4082430.29 | 555.48 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-12-BR | | | Point ID | L32-12-BR | | |
| NEZ | 3381746.59 | 4082403.08 | 557.31 | | | | |

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859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L32-12 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-12-FA | | | Point ID | L32-12-FA | | |
| NEZ | 3381771.68 | 4081967.59 | 552.12 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-12-HG | | | Point ID | L32-12-HG | | |
| NEZ | 3381808.09 | 4082387.18 | 553.58 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L32-12 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L32-12-UA | | |
| NEZ | 3381790.27 | 4082064.26 | 551.58 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L32-12-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L32-29 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Farmington |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3430635.30 | ELEVATION | ELLIPSOID |
| EASTING: | 4084387.31 | 457.13 | 364.60 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 13:51:18 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 13:53:19 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L32-29 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L32-29 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-29-BE | | | Point ID | L32-29-BE | | |
| NEZ | 3430697.73 | 4084665.04 | 453.20 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-29-BR | | | Point ID | L32-29-BR | | |
| NEZ | 3430788.23 | 4084432.35 | 448.67 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L32-29 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-29-FA | | | Point ID | L32-29-FA | | |
| NEZ | 3430755.70 | 4084402.83 | 449.67 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L32-29-HG | | | Point ID | L32-29-HG | | |
| NEZ | 3430694.78 | 4084395.46 | 449.62 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L32-29 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L32-29-UA | | |
| NEZ | 3430658.89 | 4084418.24 | 456.33 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L32-29-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L33-3 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Lynnville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3354918.13 | ELEVATION | ELLIPSOID |
| EASTING: | 4092114.81 | 457.95 | 365.05 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 07/16/2013 | START TIME: | 20:10:25 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 197 | END TIME: | 20:33:00 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E EDGE RD OPOSITE PP NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L33-3 |
| Proj. No.: | 7145-003 |

| Photo: | Photo: |
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| **Photo:** | **Photo:** |
| | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L33-3-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Lynnville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3355051.93 | ELEVATION | ELLIPSOID |
| EASTING: | 4092118.69 | 462.46 | 369.57 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| SESSION | DATE: | 07/16/2013 | START TIME: | 20:14:05 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 197 | END TIME: | 20:33:20 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L33-3-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L33-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-3-BE | | | Point ID | L33-3-BE | | |
| NEZ | 3354890.18 | 4092121.78 | 456.90 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-3-BR | | | Point ID | L33-3-BR | | |
| NEZ | 3354936.53 | 4092088.27 | 458.43 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L33-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-3-FA | | | Point ID | L33-3-FA | | |
| NEZ | 3354808.09 | 4092119.70 | 455.26 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-3-HG | | | Point ID | L33-3-HG | | |
| NEZ | 3354930.95 | 4092010.19 | 458.18 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L33-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L33-3-UA | | |
| NEZ | 3355070.43 | 4092113.52 | 463.28 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L33-3-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L33-47 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Westplains |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3483204.85 | ELEVATION | ELLIPSOID |
| EASTING: | 4095817.74 | 392.61 | 299.30 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 15:33:02 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 15:35:14 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL N END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L33-47 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L33-47 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-47-BE | | | Point ID | L33-47-BE | | |
| NEZ | 3483120.58 | 4095843.95 | 392.48 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-47-BR | | | Point ID | L33-47-BR | | |
| NEZ | 3483214.39 | 4095860.23 | 390.68 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L33-47 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-47-FA | | | Point ID | L33-47-FA | | |
| NEZ | 3483207.67 | 4096018.78 | 381.29 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-47-HG | | | Point ID | L33-47-HG | | |
| NEZ | 3483156.20 | 4095821.14 | 393.83 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L33-47 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L33-47-UA | | |
| NEZ | 3483188.60 | 4095848.86 | 392.64 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L33-47-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L33-56 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Symsonia |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3510687.37 | ELEVATION | ELLIPSOID |
| EASTING: | 4093078.13 | 386.05 | 292.48 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 16:20:16 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 16:22:27 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W EDGE RD @ N EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L33-56 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L33-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-56-BE | | | Point ID | L33-56-BE | | |
| NEZ | 3510753.00 | 4093059.04 | 383.74 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-56-BR | | | Point ID | L33-56-BR | | |
| NEZ | 3510925.81 | 4093060.13 | 382.86 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L33-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-56-FA | | | Point ID | L33-56-FA | | |
| NEZ | 3510936.22 | 4093030.93 | 382.52 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L33-56-HG | | | Point ID | L33-56-HG | | |
| NEZ | 3510849.79 | 4093067.21 | 382.76 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L33-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L33-56-UA | | |
| NEZ | 3510707.35 | 4093088.18 | 385.78 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L33-56-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L35-20 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Farmington |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3402535.65 | ELEVATION | ELLIPSOID |
| EASTING: | 4102012.17 | 529.04 | 436.16 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 14:23:10 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 14:25:23 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR GRAVEL DR @ N RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| POINT ID: | L35-20 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L35-20 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-20-BE | | | Point ID | L35-20-BE | | |
| NEZ | 3402502.13 | 4101965.20 | 528.97 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-20-BR | | | Point ID | L35-20-BR | | |
| NEZ | 3402492.60 | 4102107.03 | 532.18 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L35-20 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-20-FA | | | Point ID | L35-20-FA | | |
| NEZ | 3402498.93 | 4102086.77 | 531.82 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-20-HG | | | Point ID | L35-20-HG | | |
| NEZ | 3402499.58 | 4102005.77 | 528.84 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L35-20 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L35-20-UA | | |
| NEZ | 3402525.43 | 4102048.71 | 529.24 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L35-20-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L35-39-ALT |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Westplains |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3458899.44 | ELEVATION | ELLIPSOID |
| EASTING: | 4106665.43 | 411.62 | 318.51 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 16:50:48 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 16:53:11 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR BRIDGE @ ASPH COLOR CHANGE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L35-39-ALT |
| Proj. No.: | 7145-003 |

| Photo: | Photo: |
|---|---|
| | |
| **Photo:** | **Photo:** |
| | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L35-39-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-39-ALT-BE | | | Point ID | L35-39-ALT-BE | | |
| NEZ | 3458969.73 | 4106671.52 | 410.96 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-39-ALT-BR | | | Point ID | L35-39-ALT-BR | | |
| NEZ | 3458967.35 | 4106707.23 | 407.64 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L35-39-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-39-ALT-FA | | | Point ID | L35-39-ALT-FA | | |
| NEZ | 3459249.18 | 4106651.84 | 397.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-39-ALT-HG | | | Point ID | L35-39-ALT-HG | | |
| NEZ | 3458938.28 | 4106697.74 | 411.04 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L35-39-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L35-39-ALT-UA | | |
| NEZ | 3458914.95 | 4106676.81 | 411.49 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L35-39-ALT-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L35-57 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Symsonia |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3511657.67 | ELEVATION | ELLIPSOID |
| EASTING: | 4104418.97 | 346.04 | 252.40 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 20:41:21 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 20:41:30 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SW END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L35-57 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L35-57 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-57-BE | | | Point ID | L35-57-BE | | |
| NEZ | 3511716.51 | 4104612.05 | 343.74 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-57-BR | | | Point ID | L35-57-BR | | |
| NEZ | 3511749.25 | 4104468.53 | 341.30 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L35-57 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-57-FA | | | Point ID | L35-57-FA | | |
| NEZ | 3511756.77 | 4104403.62 | 341.12 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L35-57-HG | | | Point ID | L35-57-HG | | |
| NEZ | 3511723.60 | 4104420.20 | 342.05 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L35-57 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L35-57-UA | | |
| NEZ | 3511692.66 | 4104400.12 | 345.57 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L35-57-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L36-3 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Padacuah East |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3552435.05 | ELEVATION | ELLIPSOID |
| EASTING: | 4103454.18 | 341.53 | 247.91 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 13:55:58 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 13:57:56 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

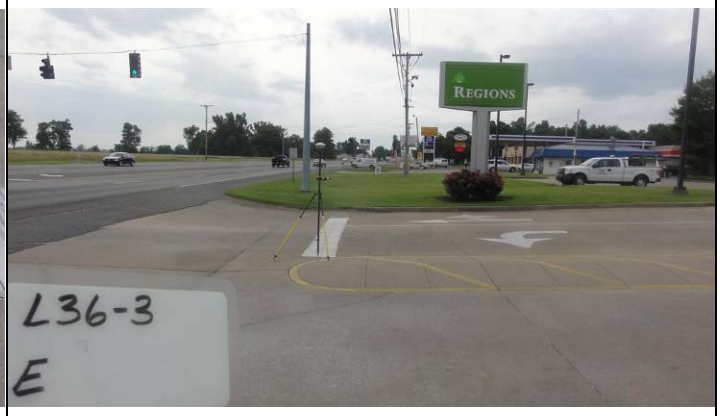
| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:



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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L36-3 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L36-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L36-3-BE | | | Point ID | L36-3-BE | | |
| NEZ | 3552430.62 | 4103409.46 | 342.50 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L36-3-BR | | | Point ID | L36-3-BR | | |
| NEZ | 3552259.16 | 4103468.50 | 345.17 | | | | |

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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L36-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L36-3-FA | | | Point ID | L36-3-FA | | |
| NEZ | 3552277.20 | 4103456.61 | 342.44 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L36-3-HG | | | Point ID | L36-3-HG | | |
| NEZ | 3552063.72 | 4103660.05 | 343.04 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L36-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L36-3-UA | | |
| NEZ | 3552364.37 | 4103422.13 | 343.92 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L36-3-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L37-8 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Lynnville |
|---|---|---|---|---|---|

| | |
|---|---|
| OPERATOR: | B. Novy |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3367126.94 | ELEVATION | ELLIPSOID |
| EASTING: | 4113037.93 | 437.60 | 344.50 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 16:20:29 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 16:22:31 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE EDGE STOP BAR

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L37-8 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-8 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-8-BE | | | Point ID | L37-8-BE | | |
| NEZ | 3367174.25 | 4113008.95 | 436.74 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-8-BR | | | Point ID | L37-8-BR | | |
| NEZ | 3367192.44 | 4112955.40 | 434.03 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-8 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-8-FA | | | Point ID | L37-8-FA | | |
| NEZ | 3367161.58 | 4112970.47 | 434.43 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-8-HG | | | Point ID | L37-8-HG | | |
| NEZ | 3367312.97 | 4112995.64 | 436.77 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-8 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-8-UA | | |
| NEZ | 3367228.23 | 4113030.37 | 438.87 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-8-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L37-30 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Farmington |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3432711.71 | ELEVATION | ELLIPSOID |
| EASTING: | 4110960.16 | 518.80 | 425.78 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 13:29:19 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 13:31:27 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL S EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L37-30 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

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**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-30 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-30-BE | | | Point ID | L37-30-BE | | |
| NEZ | 3432876.69 | 4110788.20 | 527.63 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-30-BR | | | Point ID | L37-30-BR | | |
| NEZ | 3432724.32 | 4110832.69 | 523.30 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L37-30 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-30-FA | | | Point ID | L37-30-FA | | |
| NEZ | 3432777.44 | 4110865.87 | 520.37 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-30-HG | | | Point ID | L37-30-HG | | |
| NEZ | 3432688.23 | 4110937.38 | 519.32 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L37-30 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-30-UA | | |
| NEZ | 3432750.73 | 4110836.43 | 521.12 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-30-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L37-53 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Graves | QUAD: | Symsonia |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3499920.64 | ELEVATION | ELLIPSOID |
| EASTING: | 4112539.81 | 404.25 | 310.61 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 15:56:04 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 15:58:03 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W EDGE RD @ S EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L37-53 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

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**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-53 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-53-BE | | | Point ID | L37-53-BE | | |
| NEZ | 3499954.57 | 4112511.53 | 403.48 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-53-BR | | | Point ID | L37-53-BR | | |
| NEZ | 3499953.88 | 4112591.75 | 406.35 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L37-53 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-53-FA | | | Point ID | L37-53-FA | | |
| NEZ | 3499968.77 | 4112573.31 | 406.50 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-53-HG | | | Point ID | L37-53-HG | | |
| NEZ | 3499915.21 | 4112520.91 | 404.52 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-53 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-53-UA | | |
| NEZ | 3499935.12 | 4112516.23 | 404.51 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-53-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L37-65 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Padacuah East |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3537031.03 | ELEVATION | ELLIPSOID |
| EASTING: | 4116404.41 | 393.83 | 300.13 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 19:12:03 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 19:14:46 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR CONC PATCH NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L37-65 |
| Proj. No.: | 7145-003 |

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-65 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-65-BE | | | Point ID | L37-65-BE | | |
| NEZ | 3537056.45 | 4116355.14 | 394.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-65-BR | | | Point ID | L37-65-BR | | |
| NEZ | 3537073.92 | 4116410.55 | 393.89 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-65 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-65-FA | | | Point ID | L37-65-FA | | |
| NEZ | 3537084.53 | 4116354.34 | 394.65 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L37-65-HG | | | Point ID | L37-65-HG | | |
| NEZ | 3537006.26 | 4116305.46 | 393.06 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L37-65 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-65-UA | | |
| NEZ | 3537058.71 | 4116386.76 | 394.28 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L37-65-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
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| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L41-22 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Kirksey |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3407483.32 | ELEVATION | ELLIPSOID |
| EASTING: | 4129463.09 | 540.07 | 446.73 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 13:05:53 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 13:07:53 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW CNR ASPH DRIVE @ N RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L41-22 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-22 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-22-BE | | | Point ID | L41-22-BE | | |
| NEZ | 3407476.96 | 4129516.55 | 540.26 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-22-BR | | | Point ID | L41-22-BR | | |
| NEZ | 3407445.61 | 4129560.80 | 538.49 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-22 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-22-FA | | | Point ID | L41-22-FA | | |
| NEZ | 3407553.32 | 4129686.97 | 539.77 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-22-HG | | | Point ID | L41-22-HG | | |
| NEZ | 3407553.16 | 4129755.36 | 539.52 | | | | |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-22 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-22-UA | | |
| NEZ | 3407436.76 | 4129596.25 | 537.89 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-22-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L41-38 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Oak Level |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3454968.61 | ELEVATION | ELLIPSOID |
| EASTING: | 4131392.47 | 462.98 | 369.47 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 18:19:52 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 18:21:16 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L41-38 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-38 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-38-BE | | | Point ID | L41-38-BE | | |
| NEZ | 3455080.39 | 4131420.54 | 464.52 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-38-BR | | | Point ID | L41-38-BR | | |
| NEZ | 3455196.61 | 4131514.48 | 463.16 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-38 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-38-FA | | | Point ID | L41-38-FA | | |
| NEZ | 3454845.77 | 4131287.51 | 465.82 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-38-HG | | | Point ID | L41-38-HG | | |
| NEZ | 3454915.16 | 4131315.66 | 464.44 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-38 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-38-UA | | | Point ID | L41-38-UA | | |
| NEZ | 3454959.83 | 4131359.11 | 464.17 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L41-44 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Oak Level |
|---|---|---|---|---|---|

| | |
|---|---|
| OPERATOR: | B. Novy |
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3473542.26 | ELEVATION | ELLIPSOID |
| EASTING: | 4133739.06 | 415.50 | 321.84 |

| SESSION | DATE: | 08/09/2013 | START TIME: | 13:27:24 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 221 | END TIME: | 13:29:30 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E EDGE RD @ COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L41-44 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-44 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-44-BE | | | Point ID | L41-44-BE | | |
| NEZ | 3473515.76 | 4133768.20 | 414.44 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-44-BR | | | Point ID | L41-44-BR | | |
| NEZ | 3473519.20 | 4133783.15 | 415.55 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-44 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-44-FA | | | Point ID | L41-44-FA | | |
| NEZ | 3473561.83 | 4133784.83 | 414.51 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-44-HG | | | Point ID | L41-44-HG | | |
| NEZ | 3473622.06 | 4133674.86 | 410.82 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-44 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-44-UA | | |
| NEZ | 3473500.27 | 4133741.76 | 417.33 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-44-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L41-58 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Elva |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3513979.51 | ELEVATION | ELLIPSOID |
| EASTING: | 4136647.93 | 349.94 | 256.12 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 20:06:37 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 20:08:40 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW EDGE RD @ NE EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| POINT ID: | L41-58 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-58 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-58-BE | | | Point ID | L41-58-BE | | |
| NEZ | 3513953.39 | 4136642.65 | 349.24 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-58-BR | | | Point ID | L41-58-BR | | |
| NEZ | 3514054.41 | 4136534.10 | 348.25 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-58 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-58-FA | | | Point ID | L41-58-FA | | |
| NEZ | 3513931.79 | 4136741.31 | 353.98 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-58-HG | | | Point ID | L41-58-HG | | |
| NEZ | 3513917.70 | 4136674.27 | 348.11 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-58 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-58-UA | | |
| NEZ | 3513977.91 | 4136627.29 | 349.96 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-58-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L41-61 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Elva |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3523081.65 | ELEVATION | ELLIPSOID |
| EASTING: | 4138470.54 | 439.40 | 345.57 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 19:43:07 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 19:45:41 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| POINT ID: | L41-61 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-61 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-61-BE | | | Point ID | L41-61-BE | | |
| NEZ | 3523095.06 | 4138528.04 | 438.43 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-61-BR | | | Point ID | L41-61-BR | | |
| NEZ | 3523006.82 | 4138557.77 | 440.75 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-61 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-61-FA | | | Point ID | L41-61-FA | | |
| NEZ | 3522974.79 | 4138415.29 | 438.27 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-61-HG | | | Point ID | L41-61-HG | | |
| NEZ | 3523043.42 | 4138605.92 | 438.83 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-61 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-61-UA | | |
| NEZ | 3523116.55 | 4138481.69 | 438.95 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-61-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L41-72 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Little Cypress |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3552192.25 | ELEVATION | ELLIPSOID |
| EASTING: | 4129308.27 | 347.05 | 253.23 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 14:26:05 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 14:27:53 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR PARKING STRIPE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L41-72 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-72 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-72-BE | | | Point ID | L41-72-BE | | |
| NEZ | 3552223.29 | 4129259.35 | 346.49 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-72-BR | | | Point ID | L41-72-BR | | |
| NEZ | 3552125.68 | 4129215.48 | 346.56 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE | |
|---|---|
| Kentucky Statewide | |

| | |
|---|---|
| AREA ID: | L41-72 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-72-FA | | | Point ID | L41-72-FA | | |
| NEZ | 3552264.24 | 4129160.69 | 344.21 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-72-HG | | | Point ID | L41-72-HG | | |
| NEZ | 3552197.51 | 4129188.41 | 346.10 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L41-72 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-72-UA | | |
| NEZ | 3552201.54 | 4129296.23 | 346.91 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-72-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L41-99 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Goconda |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3635931.14 | ELEVATION | ELLIPSOID |
| EASTING: | 4136255.16 | 509.22 | 414.38 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 19:29:26 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 19:31:43 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR DRIVE @ E EDGE ED NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L41-99 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-99 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-99-BE | | | Point ID | L41-99-BE | | |
| NEZ | 3635940.99 | 4136274.18 | 508.20 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-99-BR | | | Point ID | L41-99-BR | | |
| NEZ | 3635991.96 | 4136311.80 | 503.85 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-99 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-99-FA | | | Point ID | L41-99-FA | | |
| NEZ | 3635990.77 | 4136283.27 | 507.80 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-99-HG | | | Point ID | L41-99-HG | | |
| NEZ | 3635977.39 | 4136336.39 | 503.88 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-99 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-99-UA | | |
| NEZ | 3635915.72 | 4136241.46 | 510.55 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L41-99-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L41-110 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Goconda |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3669842.72 | ELEVATION | ELLIPSOID |
| EASTING: | 4135128.00 | 352.59 | 257.20 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 18:52:16 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 18:54:25 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SW EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L41-110 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-110 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-110-BE | | | Point ID | L41-110-BE | | |
| NEZ | 3669871.88 | 4135089.20 | 350.73 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-110-BR | | | Point ID | L41-110-BR | | |
| NEZ | 3669813.06 | 4135234.98 | 359.60 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-110 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-110-FA | | | Point ID | L41-110-FA | | |
| NEZ | 3669949.97 | 4135050.94 | 350.55 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-110-HG | | | Point ID | L41-110-HG | | |
| NEZ | 3669907.38 | 4134902.23 | 341.54 | | | | |

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**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L41-110 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L41-110-UA | | | Point ID | L41-110-UA | | |
| NEZ | 3669881.99 | 4135090.13 | 351.52 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L42-5 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Lynn Grove |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3359478.96 | ELEVATION | ELLIPSOID |
| EASTING: | 4137801.07 | 583.78 | 490.40 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 16:46:07 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 16:48:06 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR DR @ RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L42-5 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L42-5 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-5-BE | | | Point ID | L42-5-BE | | |
| NEZ | 3359469.51 | 4137830.29 | 582.04 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-5-BR | | | Point ID | L42-5-BR | | |
| NEZ | 3359439.89 | 4137795.86 | 581.09 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L42-5 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-5-FA | | | Point ID | L42-5-FA | | |
| NEZ | 3359507.70 | 4137822.96 | 584.76 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-5-HG | | | Point ID | L42-5-HG | | |
| NEZ | 3359466.75 | 4137866.61 | 583.58 | | | | |

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**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L42-5 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-5-UA | | | Point ID | L42-5-UA | | |
| NEZ | 3359493.95 | 4137762.27 | 584.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L42-81 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Smithland |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3584809.65 | ELEVATION | ELLIPSOID |
| EASTING: | 4147433.51 | 342.34 | 248.12 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 15:19:55 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 15:20:00 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

INSIDE CNR CONC WALK

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L42-81 |
| Proj. No.: | 7145-003 |

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L42-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-81-BE | | | Point ID | L42-81-BE | | |
| NEZ | 3584820.96 | 4147454.36 | 342.84 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-81-BR | | | Point ID | L42-81-BR | | |
| NEZ | 3584731.13 | 4147343.29 | 338.17 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L42-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-81-FA | | | Point ID | L42-81-FA | | |
| NEZ | 3584769.89 | 4147376.18 | 339.78 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-81-HG | | | Point ID | L42-81-HG | | |
| NEZ | 3584730.19 | 4147255.35 | 334.97 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L42-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-81-UA | | | Point ID | L42-81-UA | | |
| NEZ | 3584809.15 | 4147393.98 | 340.73 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L42-107 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Goconda |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3664001.84 | ELEVATION | ELLIPSOID |
| EASTING: | 4146309.56 | 566.37 | 470.95 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 18:33:37 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 18:35:39 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S EDGE RD @ W EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L42-107 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L42-107 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-107-BE | | | Point ID | L42-107-BE | | |
| NEZ | 3663988.03 | 4146285.21 | 565.50 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-107-BR | | | Point ID | L42-107-BR | | |
| NEZ | 3663996.27 | 4146248.11 | 567.56 | | | | |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
|---|

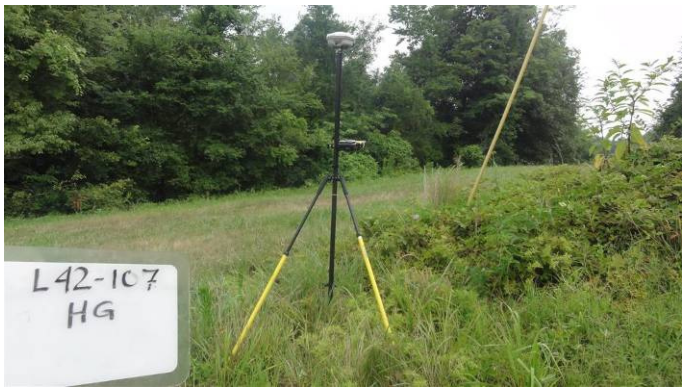
| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L42-107 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-107-FA | | | Point ID | L42-107-FA | | |
| NEZ | 3664021.18 | 4146222.24 | 567.83 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-107-HG | | | Point ID | L42-107-HG | | |
| NEZ | 3663980.50 | 4146244.22 | 564.89 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L42-107 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L42-107-UA | | | Point ID | L42-107-UA | | |
| NEZ | 3664033.81 | 4146267.63 | 567.41 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L43-28 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Kirksey |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3424779.66 | ELEVATION | ELLIPSOID |
| EASTING: | 4145556.86 | 557.53 | 463.85 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 12:42:32 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 12:44:34 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S RD EDGE @ COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L43-28 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

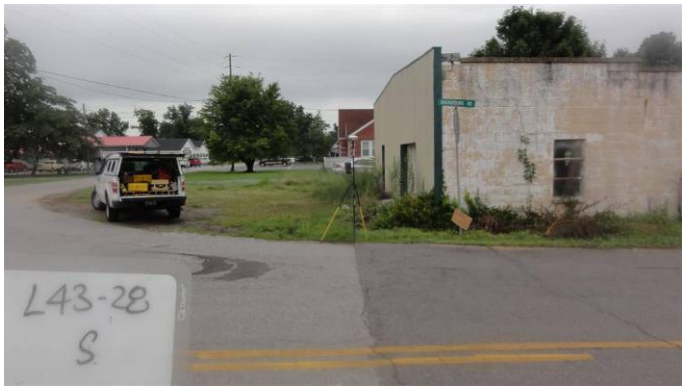


**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-28 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-28-BE | | | Point ID | L43-28-BE | | |
| NEZ | 3424735.14 | 4145570.91 | 557.37 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-28-BR | | | Point ID | L43-28-BR | | |
| NEZ | 3424771.01 | 4145453.71 | 555.99 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L43-28 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-28-FA | | | Point ID | L43-28-FA | | |
| NEZ | 3424751.36 | 4145481.67 | 556.46 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-28-HG | | | Point ID | L43-28-HG | | |
| NEZ | 3424722.54 | 4145556.93 | 557.23 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-28 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-28-UA | | |
| NEZ | 3424779.19 | 4145361.30 | 555.76 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-28-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L43-68 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Little Cypress |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3545729.69 | ELEVATION | ELLIPSOID |
| EASTING: | 4150638.16 | 350.35 | 256.33 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 18:41:51 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 18:44:12 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL NE MOST RR XING BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L43-68 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L43-68 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-68-BE | | | Point ID | L43-68-BE | | |
| NEZ | 3545746.26 | 4150591.88 | 345.56 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-68-BR | | | Point ID | L43-68-BR | | |
| NEZ | 3545662.39 | 4150564.30 | 345.90 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-68 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-68-FA | | | Point ID | L43-68-FA | | |
| NEZ | 3545756.60 | 4150533.17 | 345.98 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-68-HG | | | Point ID | L43-68-HG | | |
| NEZ | 3545752.21 | 4150565.47 | 345.53 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-68 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-68-UA | | |
| NEZ | 3545757.57 | 4150630.71 | 350.81 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-68-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L43-74 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Little Cypress |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3563770.15 | ELEVATION | ELLIPSOID |
| EASTING: | 4151589.48 | 386.44 | 292.33 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 14:53:33 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 14:55:55 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S EDGE RD @ W EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

| | |
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| POINT ID: | L43-74 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-74 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-74-BE | | | Point ID | L43-74-BE | | |
| NEZ | 3563747.07 | 4151675.34 | 385.81 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-74-BR | | | Point ID | L43-74-BR | | |
| NEZ | 3563585.72 | 4151446.86 | 370.99 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-74 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-74-FA | | | Point ID | L43-74-FA | | |
| NEZ | 3563622.60 | 4151800.69 | 369.25 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-74-HG | | | Point ID | L43-74-HG | | |
| NEZ | 3563757.40 | 4151824.83 | 378.67 | | | | |

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**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-74 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-74-UA | | |
| NEZ | 3563746.27 | 4151606.18 | 386.55 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-74-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L43-99 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Goconda |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3637258.09 | ELEVATION | ELLIPSOID |
| EASTING: | 4158740.39 | 530.38 | 435.23 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 19:52:27 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 19:55:17 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CK NW EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L43-99 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L43-99 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-99-BE | | | Point ID | L43-99-BE | | |
| NEZ | 3637276.98 | 4158723.76 | 529.08 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-99-BR | | | Point ID | L43-99-BR | | |
| NEZ | 3637311.12 | 4158624.78 | 527.98 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L43-99 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-99-FA | | | Point ID | L43-99-FA | | |
| NEZ | 3637220.42 | 4158690.47 | 530.39 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-99-HG | | | Point ID | L43-99-HG | | |
| NEZ | 3637195.68 | 4158708.53 | 530.85 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L43-99 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-99-UA | | |
| NEZ | 3637293.41 | 4158644.73 | 529.12 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-99-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L43-113 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Shelterville |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3679281.97 | ELEVATION | ELLIPSOID |
| EASTING: | 4158382.51 | 368.44 | 272.62 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 18:05:25 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 18:05:32 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

PHOTO SCIENCE
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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L43-113 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L43-113 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-113-BE | | | Point ID | L43-113-BE | | |
| NEZ | 3679279.85 | 4158407.45 | 368.11 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-113-BR | | | Point ID | L43-113-BR | | |
| NEZ | 3679270.97 | 4158391.70 | 366.59 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L43-113 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-113-FA | | | Point ID | L43-113-FA | | |
| NEZ | 3679066.27 | 4158596.27 | 381.02 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L43-113-HG | | | Point ID | L43-113-HG | | |
| NEZ | 3679320.34 | 4158410.04 | 367.93 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L43-113 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-113-UA | | |
| NEZ | 3679292.99 | 4158398.65 | 368.60 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L43-113-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L44-16 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Murray |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3391126.96 | ELEVATION | ELLIPSOID |
| EASTING: | 4160778.36 | 565.70 | 471.87 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 19:03:06 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 19:05:09 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR CONC DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L44-16 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-16 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-16-BE | | | Point ID | L44-16-BE | | |
| NEZ | 3391100.52 | 4160830.18 | 566.29 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-16-BR | | | Point ID | L44-16-BR | | |
| NEZ | 3391006.83 | 4160788.40 | 568.81 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-16 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-16-FA | | | Point ID | L44-16-FA | | |
| NEZ | 3390970.78 | 4160679.50 | 567.76 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-16-HG | | | Point ID | L44-16-HG | | |
| NEZ | 3391141.85 | 4160836.42 | 565.89 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-16 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-16-UA | | |
| NEZ | 3391070.71 | 4160800.76 | 567.39 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-16-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L44-36 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Hardin |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3448536.24 | ELEVATION | ELLIPSOID |
| EASTING: | 4160830.80 | 521.94 | 427.95 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 18:45:36 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 18:47:52 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E EDGE RD @ ASPH COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| --- | --- |
| POINT ID: | L44-36 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-36 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-36-BE | | | Point ID | L44-36-BE | | |
| NEZ | 3448538.10 | 4160772.23 | 521.97 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-36-BR | | | Point ID | L44-36-BR | | |
| NEZ | 3448578.86 | 4160902.94 | 518.18 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-36 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-36-FA | | | Point ID | L44-36-FA | | |
| NEZ | 3448558.60 | 4160714.95 | 524.18 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-36-HG | | | Point ID | L44-36-HG | | |
| NEZ | 3448614.08 | 4160764.65 | 522.74 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-36 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-36-UA | | |
| NEZ | 3448532.67 | 4160819.00 | 522.54 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-36-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L44-48 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Hardin |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3484533.07 | ELEVATION | ELLIPSOID |
| EASTING: | 4160430.12 | 374.35 | 280.36 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/09/2013 | START TIME: | 13:58:03 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 221 | END TIME: | 14:00:02 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR SW ISECT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L44-48 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-48 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-48-BE | | | Point ID | L44-48-BE | | |
| NEZ | 3484456.96 | 4160693.89 | 372.45 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-48-BR | | | Point ID | L44-48-BR | | |
| NEZ | 3484530.68 | 4160509.58 | 374.46 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-48 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-48-FA | | | Point ID | L44-48-FA | | |
| NEZ | 3484458.64 | 4160633.99 | 372.83 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-48-HG | | | Point ID | L44-48-HG | | |
| NEZ | 3484404.55 | 4160750.53 | 372.88 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-48 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-48-UA | | |
| NEZ | 3484557.27 | 4160463.22 | 374.46 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-48-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L44-56 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Briensburg |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3508248.16 | ELEVATION | ELLIPSOID |
| EASTING: | 4161919.16 | 461.10 | 367.07 |

| SESSION | DATE: | 08/09/2013 | START TIME: | 14:19:14 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 221 | END TIME: | 14:21:13 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR DRIVE @ RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
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| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L44-56 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-56-BE | | | Point ID | L44-56-BE | | |
| NEZ | 3508197.38 | 4161894.27 | 457.51 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-56-BR | | | Point ID | L44-56-BR | | |
| NEZ | 3508249.38 | 4161961.11 | 460.73 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-56-FA | | | Point ID | L44-56-FA | | |
| NEZ | 3508197.67 | 4161857.72 | 457.41 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-56-HG | | | Point ID | L44-56-HG | | |
| NEZ | 3508214.30 | 4161972.52 | 459.75 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-56 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-56-UA | | |
| NEZ | 3508236.17 | 4161875.68 | 458.17 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-56-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L44-82 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Burna |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3587421.94 | ELEVATION | ELLIPSOID |
| EASTING: | 4164312.29 | 343.33 | 248.84 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 15:47:18 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 15:49:21 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

N EDGE RD @ W EDGE RD NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L44-82 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-82 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-82-BE | | | Point ID | L44-82-BE | | |
| NEZ | 3587485.81 | 4164353.25 | 341.58 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-82-BR | | | Point ID | L44-82-BR | | |
| NEZ | 3587494.88 | 4164334.05 | 341.41 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L44-82 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-82-FA | | | Point ID | L44-82-FA | | |
| NEZ | 3587480.59 | 4164299.80 | 340.35 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-82-HG | | | Point ID | L44-82-HG | | |
| NEZ | 3587419.69 | 4164271.74 | 342.91 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-82 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-82-UA | | |
| NEZ | 3587442.85 | 4164287.65 | 342.33 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L44-82-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L44-92 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Burna |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3618813.73 | ELEVATION | ELLIPSOID |
| EASTING: | 4164613.22 | 635.06 | 540.11 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 20:14:59 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 20:17:01 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR DRIVE @ N RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L44-92 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-92 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-92-BE | | | Point ID | L44-92-BE | | |
| NEZ | 3618827.84 | 4164559.48 | 635.08 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-92-BR | | | Point ID | L44-92-BR | | |
| NEZ | 3618850.78 | 4164625.79 | 640.94 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-92 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-92-FA | | | Point ID | L44-92-FA | | |
| NEZ | 3618848.27 | 4164675.22 | 641.48 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-92-HG | | | Point ID | L44-92-HG | | |
| NEZ | 3618798.31 | 4164555.88 | 635.60 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L44-92 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L44-92-UA | | | Point ID | L44-92-UA | | |
| NEZ | 3618815.24 | 4164549.72 | 636.62 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L45-3 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Murray |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3352462.84 | ELEVATION | ELLIPSOID |
| EASTING: | 4164102.88 | 564.65 | 470.98 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 17:08:59 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 17:11:00 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L45-3 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L45-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-3-BE | | | Point ID | L45-3-BE | | |
| NEZ | 3352333.57 | 4164202.31 | 566.18 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-3-BR | | | Point ID | L45-3-BR | | |
| NEZ | 3352466.55 | 4164174.73 | 565.06 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L45-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-3-FA | | | Point ID | L45-3-FA | | |
| NEZ | 3352365.78 | 4164255.23 | 566.54 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-3-HG | | | Point ID | L45-3-HG | | |
| NEZ | 3352467.42 | 4164213.55 | 565.26 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L45-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L45-3-UA | | |
| NEZ | 3352452.90 | 4164151.19 | 565.52 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L45-3-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L45-25 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Dexter |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3416078.58 | ELEVATION | ELLIPSOID |
| EASTING: | 4172400.40 | 503.53 | 409.38 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 20:01:52 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 20:03:52 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR DRIVE @ W RD EDGE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L45-25 |
| Proj. No.: | 7145-003 |

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L45-25 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-25-BE | | | Point ID | L45-25-BE | | |
| NEZ | 3416117.04 | 4172398.92 | 500.70 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-25-BR | | | Point ID | L45-25-BR | | |
| NEZ | 3416149.51 | 4172475.51 | 494.76 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L45-25 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-25-FA | | | Point ID | L45-25-FA | | |
| NEZ | 3416112.32 | 4172353.86 | 507.36 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-25-HG | | | Point ID | L45-25-HG | | |
| NEZ | 3416190.27 | 4172433.96 | 495.93 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L45-25 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-25-UA | | | Point ID | L45-25-UA | | |
| NEZ | 3416099.59 | 4172471.27 | 498.63 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L45-104 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Lola |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3649793.54 | ELEVATION | ELLIPSOID |
| EASTING: | 4177462.99 | 399.81 | 304.16 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 17:28:40 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 17:28:47 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL NW EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L45-104 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L45-104 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-104-BE | | | Point ID | L45-104-BE | | |
| NEZ | 3649868.47 | 4177438.66 | 402.28 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-104-BR | | | Point ID | L45-104-BR | | |
| NEZ | 3649732.43 | 4177380.69 | 403.73 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L45-104 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-104-FA | | | Point ID | L45-104-FA | | |
| NEZ | 3649800.53 | 4177339.29 | 399.20 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-104-HG | | | Point ID | L45-104-HG | | |
| NEZ | 3649804.71 | 4177455.17 | 400.07 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L45-104 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L45-104-UA | | | Point ID | L45-104-UA | | |
| NEZ | 3649803.73 | 4177431.63 | 397.95 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L46-71 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Calvert City |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3552475.23 | ELEVATION | ELLIPSOID |
| EASTING: | 4185210.97 | 413.02 | 318.60 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 17:03:39 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 17:05:19 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
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| GPS CONTROL SURVEY FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L46-71 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L46-71 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L46-71-BE | | | Point ID | L46-71-BE | | |
| NEZ | 3552500.80 | 4185167.73 | 411.97 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L46-71-BR | | | Point ID | L46-71-BR | | |
| NEZ | 3552388.05 | 4184953.02 | 396.63 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L46-71 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L46-71-FA | | | Point ID | L46-71-FA | | |
| NEZ | 3552409.23 | 4185117.14 | 406.96 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L46-71-HG | | | Point ID | L46-71-HG | | |
| NEZ | 3552439.00 | 4185140.32 | 409.20 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L46-71 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L46-71-UA | | |
| NEZ | 3552505.56 | 4185221.62 | 412.29 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L46-71-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-40 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Hardin |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3460798.06 | ELEVATION | ELLIPSOID |
| EASTING: | 4186114.87 | 486.48 | 392.17 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 19:13:30 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 19:15:51 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR CONC PAD

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L47-40 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-40 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-40-BE | | | Point ID | L47-40-BE | | |
| NEZ | 3460757.54 | 4186110.10 | 486.57 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-40-BR | | | Point ID | L47-40-BR | | |
| NEZ | 3460896.45 | 4186136.79 | 488.21 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-40 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-40-FA | | | Point ID | L47-40-FA | | |
| NEZ | 3460761.07 | 4186132.29 | 486.28 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-40-HG | | | Point ID | L47-40-HG | | |
| NEZ | 3460869.03 | 4186059.21 | 487.96 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-40 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-40-UA | | |
| NEZ | 3460782.93 | 4186095.18 | 487.06 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-40-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-46 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Fairdealing |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3477666.16 | ELEVATION | ELLIPSOID |
| EASTING: | 4192568.60 | 491.12 | 396.73 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 19:37:57 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 19:39:57 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL NW END S MOST PAINT STRIPE NAIL SET

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|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L47-46 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-46 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-46-BE | | | Point ID | L47-46-BE | | |
| NEZ | 3477751.33 | 4192548.86 | 492.87 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-46-BR | | | Point ID | L47-46-BR | | |
| NEZ | 3477692.44 | 4192407.34 | 496.33 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-46 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-46-FA | | | Point ID | L47-46-FA | | |
| NEZ | 3477652.72 | 4192409.50 | 497.25 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-46-HG | | | Point ID | L47-46-HG | | |
| NEZ | 3477710.53 | 4192348.91 | 494.00 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-46 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-46-UA | | |
| NEZ | 3477696.14 | 4192566.60 | 491.71 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-46-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-60 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Birmingham Point |
|---|---|---|---|---|---|

| | |
|---|---|
| OPERATOR: | B. Novy |
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3518269.25 | ELEVATION | ELLIPSOID |
| EASTING: | 4194080.68 | 400.03 | 305.59 |

| SESSION | DATE: | 08/09/2013 | START TIME: | 14:43:29 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 221 | END TIME: | 14:45:27 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW CNR DRIVE @ N EDGE RD NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-60 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-60 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-60-BE | | | Point ID | L47-60-BE | | |
| NEZ | 3518286.26 | 4194062.98 | 402.55 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-60-BR | | | Point ID | L47-60-BR | | |
| NEZ | 3518332.53 | 4194058.37 | 405.53 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-60 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-60-FA | | | Point ID | L47-60-FA | | |
| NEZ | 3518306.86 | 4194025.19 | 406.89 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-60-HG | | | Point ID | L47-60-HG | | |
| NEZ | 3518191.96 | 4194263.31 | 390.99 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-60 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-60-UA | | |
| NEZ | 3518258.61 | 4194054.01 | 400.09 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-60-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
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| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-66 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Grand Rivers |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3536354.82 | ELEVATION | ELLIPSOID |
| EASTING: | 4192511.05 | 448.32 | 353.87 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 17:25:54 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 17:27:52 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W EDGE RD @ N EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L47-66 |
| Proj. No.: | 7145-003 |

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L47-66 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-66-BE | | | Point ID | L47-66-BE | | |
| NEZ | 3536310.86 | 4192503.57 | 448.55 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-66-BR | | | Point ID | L47-66-BR | | |
| NEZ | 3536363.38 | 4192484.55 | 449.06 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L47-66 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-66-FA | | | Point ID | L47-66-FA | | |
| NEZ | 3536304.41 | 4192443.38 | 449.64 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-66-HG | | | Point ID | L47-66-HG | | |
| NEZ | 3536281.37 | 4192513.04 | 447.21 | | | | |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L47-66 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-66-UA | | |
| NEZ | 3536333.62 | 4192497.38 | 449.21 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L47-66-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L47-86 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Dycusburg |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3596025.34 | ELEVATION | ELLIPSOID |
| EASTING: | 4193796.04 | 349.03 | 254.05 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 16:10:12 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 16:12:05 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW CNR ASPH @ COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-86 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-86 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-86-BE | | | Point ID | L47-86-BE | | |
| NEZ | 3596038.51 | 4193784.40 | 348.47 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-86-BR | | | Point ID | L47-86-BR | | |
| NEZ | 3596146.24 | 4193700.60 | 345.90 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L47-86 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-86-FA | | | Point ID | L47-86-FA | | |
| NEZ | 3596112.09 | 4193665.58 | 345.67 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-86-HG | | | Point ID | L47-86-HG | | |
| NEZ | 3596072.07 | 4193729.69 | 347.10 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-86 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-86-UA | | | Point ID | L47-86-UA | | |
| NEZ | 3595999.55 | 4193736.41 | 350.24 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-88 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Dycusburg |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3602557.83 | ELEVATION | ELLIPSOID |
| EASTING: | 4196040.78 | 357.93 | 262.82 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 20:47:06 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 20:49:05 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W EDGE RD @ S EDGE FIELD ENTRANCE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-88 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-88 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-88-BE | | | Point ID | L47-88-BE | | |
| NEZ | 3602560.63 | 4196023.91 | 356.55 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-88-BR | | | Point ID | L47-88-BR | | |
| NEZ | 3602640.41 | 4196064.69 | 353.55 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L47-88 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-88-FA | | | Point ID | L47-88-FA | | |
| NEZ | 3602765.57 | 4196075.59 | 348.59 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-88-HG | | | Point ID | L47-88-HG | | |
| NEZ | 3602572.40 | 4196017.06 | 355.38 | | | | |

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|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-88 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-88-UA | | | Point ID | L47-88-UA | | |
| NEZ | 3602574.58 | 4196049.00 | 357.88 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-97 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Salem |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3629484.54 | ELEVATION | ELLIPSOID |
| EASTING: | 4194620.98 | 429.57 | 334.04 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 17:01:07 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 17:02:35 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL S EDGE WEST MOST STRIPE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L47-97 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-97 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-97-BE | | | Point ID | L47-97-BE | | |
| NEZ | 3629508.69 | 4194615.06 | 430.68 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-97-BR | | | Point ID | L47-97-BR | | |
| NEZ | 3629450.14 | 4194598.50 | 430.55 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-97 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-97-FA | | | Point ID | L47-97-FA | | |
| NEZ | 3629373.89 | 4194547.82 | 428.24 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-97-HG | | | Point ID | L47-97-HG | | |
| NEZ | 3629423.44 | 4194576.99 | 428.64 | | | | |

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|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L47-97 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L47-97-UA | | | Point ID | L47-97-UA | | |
| NEZ | 3629469.83 | 4194541.65 | 430.58 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L48-13 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | New Concord |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3380530.57 | ELEVATION | ELLIPSOID |
| EASTING: | 4190397.85 | 518.43 | 424.14 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/08/2013 | START TIME: | 19:31:32 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 220 | END TIME: | 19:33:33 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E RD EDGE @ COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L48-13 |
| Proj. No.: | 7145-003 |

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L48-13 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-13-BE | | | Point ID | L48-13-BE | | |
| NEZ | 3380566.64 | 4190388.23 | 517.57 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-13-BR | | | Point ID | L48-13-BR | | |
| NEZ | 3380568.42 | 4190327.12 | 516.50 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L48-13 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-13-FA | | | Point ID | L48-13-FA | | |
| NEZ | 3380620.40 | 4190339.86 | 514.07 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-13-HG | | | Point ID | L48-13-HG | | |
| NEZ | 3380494.34 | 4190550.54 | 520.35 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L48-13 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L48-13-UA | | |
| NEZ | 3380561.02 | 4190515.64 | 519.50 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L48-13-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
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| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L48-31 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Hico |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3432454.97 | ELEVATION | ELLIPSOID |
| EASTING: | 4195963.49 | 408.52 | 314.03 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 16:54:20 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 16:56:21 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW CNR GRAVEL DR @ N RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L48-31 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L48-31 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-31-BE | | | Point ID | L48-31-BE | | |
| NEZ | 3432506.99 | 4195978.93 | 412.44 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-31-BR | | | Point ID | L48-31-BR | | |
| NEZ | 3432539.91 | 4195985.23 | 413.03 | | | | |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L48-31 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-31-FA | | | Point ID | L48-31-FA | | |
| NEZ | 3432502.75 | 4196004.48 | 413.46 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-31-HG | | | Point ID | L48-31-HG | | |
| NEZ | 3432469.92 | 4195962.46 | 409.54 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L48-31 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L48-31-UA | | |
| NEZ | 3432443.09 | 4195968.14 | 408.41 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L48-31-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L48-75 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Grand Rivers |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3562708.22 | ELEVATION | ELLIPSOID |
| EASTING: | 4195806.07 | 345.09 | 250.49 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/10/2013 | START TIME: | 16:42:18 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 191 | END TIME: | 16:44:10 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L48-75 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L48-75 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-75-BE | | | Point ID | L48-75-BE | | |
| NEZ | 3562662.02 | 4195794.16 | 347.94 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-75-BR | | | Point ID | L48-75-BR | | |
| NEZ | 3562796.86 | 4195949.39 | 337.70 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L48-75 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-75-FA | | | Point ID | L48-75-FA | | |
| NEZ | 3562743.85 | 4195949.55 | 337.36 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L48-75-HG | | | Point ID | L48-75-HG | | |
| NEZ | 3562739.41 | 4195872.31 | 343.87 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L48-75 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L48-75-UA | | |
| NEZ | 3562725.43 | 4195823.40 | 345.86 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L48-75-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L49-26 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Hico |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3417525.32 | ELEVATION | ELLIPSOID |
| EASTING: | 4206660.99 | 531.46 | 436.85 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 16:25:00 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 16:27:06 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL S EDGE OF STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L49-26 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L49-26 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-26-BE | | | Point ID | L49-26-BE | | |
| NEZ | 3417484.51 | 4206690.23 | 530.11 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-26-BR | | | Point ID | L49-26-BR | | |
| NEZ | 3417540.46 | 4206759.82 | 531.47 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L49-26 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-26-FA | | | Point ID | L49-26-FA | | |
| NEZ | 3417560.62 | 4206793.43 | 531.86 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-26-HG | | | Point ID | L49-26-HG | | |
| NEZ | 3417567.89 | 4206595.99 | 529.03 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L49-26 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-26-UA | | | Point ID | L49-26-UA | | |
| NEZ | 3417539.20 | 4206599.38 | 531.46 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L49-54 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Birmingham Point |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3498970.66 | ELEVATION | ELLIPSOID |
| EASTING: | 4203976.46 | 384.04 | 289.47 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/11/2013 | START TIME: | 20:10:34 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 192 | END TIME: | 20:12:42 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S EDGE RD @ E EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L49-54 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L49-54 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-54-BE | | | Point ID | L49-54-BE | | |
| NEZ | 3499012.64 | 4203954.95 | 383.11 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-54-BR | | | Point ID | L49-54-BR | | |
| NEZ | 3498790.78 | 4203883.57 | 404.72 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L49-54 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-54-FA | | |
| NEZ | 3498976.54 | 4203935.47 | 387.54 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-54-FA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-54-HG | | |
| NEZ | 3498810.49 | 4203876.96 | 404.13 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-54-HG | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L49-54 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-54-UA | | |
| NEZ | 3498981.02 | 4203976.98 | 383.63 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-54-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L49-81 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Lyon | QUAD: | Dycusburg |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3581383.29 | ELEVATION | ELLIPSOID |
| EASTING: | 4220761.07 | 396.83 | 301.72 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 13:52:07 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 13:52:12 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL N EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L49-81 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L49-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-81-BE | | | Point ID | L49-81-BE | | |
| NEZ | 3581310.38 | 4220742.24 | 399.37 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-81-BR | | | Point ID | L49-81-BR | | |
| NEZ | 3581372.35 | 4220705.34 | 392.22 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L49-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-81-FA | | | Point ID | L49-81-FA | | |
| NEZ | 3581291.80 | 4220838.98 | 411.81 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-81-HG | | | Point ID | L49-81-HG | | |
| NEZ | 3581358.35 | 4220835.95 | 405.19 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L49-81 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-81-UA | | |
| NEZ | 3581421.38 | 4220718.72 | 391.27 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-81-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L49-85 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Dycusburg |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3591471.81 | ELEVATION | ELLIPSOID |
| EASTING: | 4213661.46 | 427.06 | 331.91 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 14:15:54 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 14:17:54 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL E EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L49-85 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L49-85 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-85-BE | | | Point ID | L49-85-BE | | |
| NEZ | 3591612.38 | 4213673.18 | 427.14 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-85-BR | | | Point ID | L49-85-BR | | |
| NEZ | 3591588.01 | 4213591.63 | 422.88 | | | | |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L49-85 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-85-FA | | | Point ID | L49-85-FA | | |
| NEZ | 3591616.56 | 4213732.93 | 434.33 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L49-85-HG | | | Point ID | L49-85-HG | | |
| NEZ | 3591454.15 | 4213689.74 | 424.51 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L49-85 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-85-UA | | |
| NEZ | 3591427.64 | 4213673.44 | 424.10 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L49-85-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L50-9 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | New Concord |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3368305.17 | ELEVATION | ELLIPSOID |
| EASTING: | 4214567.05 | 418.53 | 323.98 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 13:16:56 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 13:19:10 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR CONC RD @ RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L50-9 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

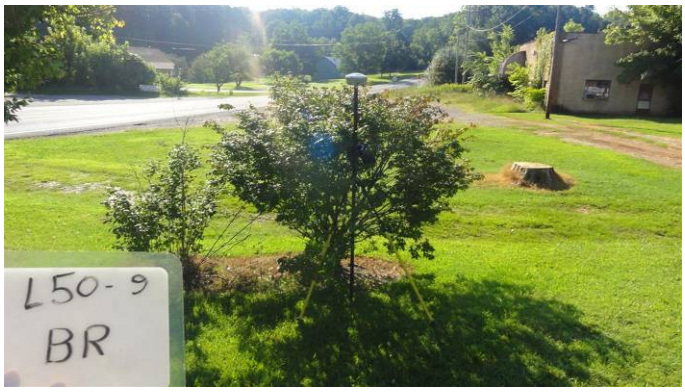
| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-9 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-9-BE | | | Point ID | L50-9-BE | | |
| NEZ | 3368316.20 | 4214510.18 | 416.35 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-9-BR | | | Point ID | L50-9-BR | | |
| NEZ | 3368199.78 | 4214666.97 | 419.75 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-9 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-9-FA | | | Point ID | L50-9-FA | | |
| NEZ | 3368227.63 | 4214672.20 | 419.79 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-9-HG | | | Point ID | L50-9-HG | | |
| NEZ | 3368268.85 | 4214592.69 | 417.50 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-9 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L50-9-UA | | |
| NEZ | 3368298.73 | 4214707.31 | 420.85 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L50-9-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L50-37 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Marshall | QUAD: | Fairdealing |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3451374.77 | ELEVATION | ELLIPSOID |
| EASTING: | 4215799.64 | 504.40 | 409.69 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/09/2013 | START TIME: | 12:48:52 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 221 | END TIME: | 12:50:54 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL E EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L50-37 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-37 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-37-BE | | | Point ID | L50-37-BE | | |
| NEZ | 3451386.37 | 4215717.36 | 506.34 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-37-BR | | | Point ID | L50-37-BR | | |
| NEZ | 3451659.60 | 4215531.72 | 503.26 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-37 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-37-FA | | | Point ID | L50-37-FA | | |
| NEZ | 3451713.23 | 4215557.50 | 501.37 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-37-HG | | | Point ID | L50-37-HG | | |
| NEZ | 3451603.38 | 4215585.55 | 506.40 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-37 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-37-UA | | | Point ID | L50-37-UA | | |
| NEZ | 3451405.59 | 4215645.49 | 509.31 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L50-55 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Lyon | QUAD: | Birmingham Point |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3504732.34 | ELEVATION | ELLIPSOID |
| EASTING: | 4216034.00 | 375.60 | 280.86 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 19:14:48 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 19:16:55 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR DRIVE @ WEDGE OF RD NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L50-55 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-55 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-55-BE | | | Point ID | L50-55-BE | | |
| NEZ | 3504753.60 | 4216015.16 | 371.68 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-55-BR | | | Point ID | L50-55-BR | | |
| NEZ | 3504795.79 | 4215898.19 | 360.86 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-55 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-55-FA | | | Point ID | L50-55-FA | | |
| NEZ | 3504812.28 | 4216003.43 | 367.97 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50-55-HG | | | Point ID | L50-55-HG | | |
| NEZ | 3505336.23 | 4216338.38 | 374.24 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50-55 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L50-55-UA | | |
| NEZ | 3504639.12 | 4215843.57 | 365.57 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L50-55-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L51-16 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | New Concord |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3387460.58 | ELEVATION | ELLIPSOID |
| EASTING: | 4220025.78 | 389.72 | 295.05 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 15:27:01 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 15:29:00 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR CONC DR @ RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L51-16 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L51-16 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L51-16-BE | | | Point ID | L51-16-BE | | |
| NEZ | 3387428.45 | 4220095.79 | 387.86 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L51-16-BR | | | Point ID | L51-16-BR | | |
| NEZ | 3387399.95 | 4220062.59 | 393.51 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L51-16 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L51-16-FA | | | Point ID | L51-16-FA | | |
| NEZ | 3387485.55 | 4220057.81 | 388.32 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L51-16-HG | | | Point ID | L51-16-HG | | |
| NEZ | 3387434.82 | 4220069.74 | 388.85 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L51-16 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L51-16-UA | | |
| NEZ | 3387442.66 | 4220114.97 | 388.86 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L51-16-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L52-3 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Paris Landing |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3349520.08 | ELEVATION | ELLIPSOID |
| EASTING: | 4229117.30 | 390.46 | 295.79 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 13:43:11 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 13:45:13 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR DR @ RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

PHOTO SCIENCE
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L52-3 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-3-BE | | | Point ID | L52-3-BE | | |
| NEZ | 3349552.91 | 4229118.22 | 390.35 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-3-BR | | | Point ID | L52-3-BR | | |
| NEZ | 3349456.20 | 4229091.31 | 387.31 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-3-FA | | | Point ID | L52-3-FA | | |
| NEZ | 3349423.81 | 4229156.48 | 388.36 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-3-HG | | | Point ID | L52-3-HG | | |
| NEZ | 3349572.51 | 4228953.81 | 388.30 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L52-3-UA | | |
| NEZ | 3349581.39 | 4229060.58 | 391.33 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L52-3-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L52-24 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Rushing Bay |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3410843.14 | ELEVATION | ELLIPSOID |
| EASTING: | 4232452.52 | 506.61 | 411.82 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 15:57:51 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 15:59:51 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W EDGE RD @ N EDGE DRIVE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L52-24 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-24 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-24-BE | | | Point ID | L52-24-BE | | |
| NEZ | 3410859.84 | 4232460.94 | 506.09 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-24-BR | | | Point ID | L52-24-BR | | |
| NEZ | 3410905.27 | 4232448.53 | 504.47 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L52-24 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-24-FA | | | Point ID | L52-24-FA | | |
| NEZ | 3410960.85 | 4232504.29 | 503.29 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-24-HG | | | Point ID | L52-24-HG | | |
| NEZ | 3410932.71 | 4232512.98 | 505.06 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-24 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-24-UA | | | Point ID | L52-24-UA | | |
| NEZ | 3410983.29 | 4232489.48 | 501.53 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L52-37 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Trigg | QUAD: | Fenton |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3450265.32 | ELEVATION | ELLIPSOID |
| EASTING: | 4231096.87 | 367.48 | 272.58 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 18:37:47 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 18:39:57 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR ASPLALT PULL OFF NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L52-37 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-37 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-37-BE | | | Point ID | L52-37-BE | | |
| NEZ | 3450239.53 | 4231054.19 | 366.83 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-37-BR | | | Point ID | L52-37-BR | | |
| NEZ | 3450250.16 | 4231072.42 | 366.98 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-37 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-37-FA | | | Point ID | L52-37-FA | | |
| NEZ | 3450138.82 | 4231125.88 | 364.98 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-37-HG | | | Point ID | L52-37-HG | | |
| NEZ | 3450257.41 | 4231050.23 | 366.36 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L52-37 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L52-37-UA | | | Point ID | L52-37-UA | | |
| NEZ | 3450197.80 | 4231120.15 | 366.87 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L53-15 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Hamlin |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3384994.23 | ELEVATION | ELLIPSOID |
| EASTING: | 4241138.29 | 412.04 | 317.20 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 14:24:25 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 198 | END TIME: | 14:42:15 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW CNR CONC DR @ RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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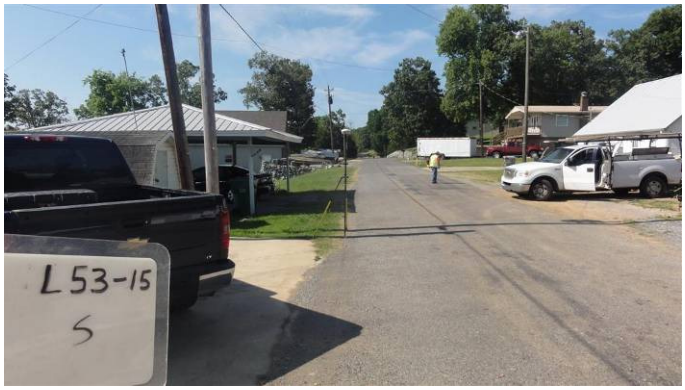
|---|---|
| POINT ID: | L53-15 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L53-15-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Calloway | QUAD: | Hamlin |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3384891.88 | ELEVATION | ELLIPSOID |
| EASTING: | 4241098.71 | 414.09 | 319.25 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 14:24:25 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 198 | END TIME: | 14:43:30 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L53-15-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L53-15 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L53-15-BE | | | Point ID | L53-15-BE | | |
| NEZ | 3384890.38 | 4241075.69 | 415.35 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L53-15-BR | | | Point ID | L53-15-BR | | |
| NEZ | 3385153.93 | 4241138.85 | 414.70 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L53-15 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L53-15-FA | | | Point ID | L53-15-FA | | |
| NEZ | 3385070.79 | 4241117.24 | 414.28 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L53-15-HG | | | Point ID | L53-15-HG | | |
| NEZ | 3385177.34 | 4241127.81 | 415.13 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L53-15 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L53-15-UA | | |
| NEZ | 3384846.52 | 4241098.77 | 415.07 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L53-15-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L54-3 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | TN | COUNTY: | Stewart | QUAD: | Paris Landing |
|---|---|---|---|---|---|

| | |
|---|---|
| OPERATOR: | B. Novy |
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3348252.30 | ELEVATION | ELLIPSOID |
| EASTING: | 4253511.94 | 442.97 | 347.99 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 21:10:29 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 21:12:46 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR DRIVE @ COLOR CHANGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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523 Wellington Way, Suite 375
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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L54-3 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L54-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-3-BE | | | Point ID | L54-3-BE | | |
| NEZ | 3348250.47 | 4253491.30 | 443.64 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-3-BR | | | Point ID | L54-3-BR | | |
| NEZ | 3348254.12 | 4253605.86 | 439.17 | | | | |

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Geospatial Solutions

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L54-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-3-FA | | | Point ID | L54-3-FA | | |
| NEZ | 3348285.38 | 4253446.45 | 445.08 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-3-HG | | | Point ID | L54-3-HG | | |
| NEZ | 3348307.01 | 4253515.12 | 441.82 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L54-3 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-3-UA | | | Point ID | L54-3-UA | | |
| NEZ | 3348272.15 | 4253479.71 | 445.07 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L54-19 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | TN | COUNTY: | Stewart | QUAD: | Rushing Bay |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3395476.22 | ELEVATION | ELLIPSOID |
| EASTING: | 4249740.45 | 360.97 | 266.05 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/17/2013 | START TIME: | 20:21:16 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 198 | END TIME: | 20:23:16 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR BOAT RAMP

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L54-19 |
| Proj. No.: | 7145-003 |

| Photo: | Photo: |
|---|---|
| | |
| **Photo:** | **Photo:** |
| | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L54-19 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-19-BE | | | Point ID | L54-19-BE | | |
| NEZ | 3395433.93 | 4249763.58 | 363.76 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-19-BR | | | Point ID | L54-19-BR | | |
| NEZ | 3395395.48 | 4249796.45 | 360.83 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L54-19 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-19-FA | | | Point ID | L54-19-FA | | |
| NEZ | 3395334.13 | 4249702.77 | 366.60 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L54-19-HG | | | Point ID | L54-19-HG | | |
| NEZ | 3395361.59 | 4249647.24 | 362.11 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L54-19 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L54-19-UA | | |
| NEZ | 3395361.47 | 4249749.57 | 368.80 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L54-19-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L209 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Heath |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3578259.20 | ELEVATION | ELLIPSOID |
| EASTING: | 4037954.68 | 372.41 | 279.27 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/09/2013 | START TIME: | 15:19:34 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 190 | END TIME: | 15:19:54 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL S END STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

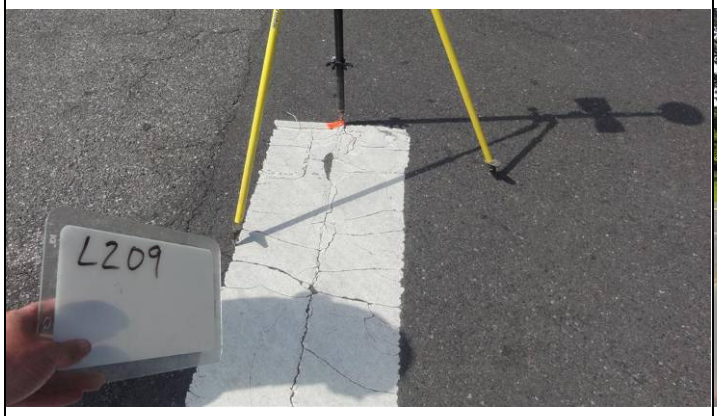


Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| --- | --- |
| POINT ID: | L209 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L209 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L209-BE | | | Point ID | L209-BE | | |
| NEZ | 3578206.45 | 4037911.33 | 371.52 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L209-BR | | | Point ID | L209-BR | | |
| NEZ | 3578321.14 | 4037764.18 | 369.63 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L209 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L209-FA | | | Point ID | L209-FA | | |
| NEZ | 3578249.35 | 4037913.41 | 371.70 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L209-HG | | | Point ID | L209-HG | | |
| NEZ | 3578197.83 | 4037864.90 | 370.35 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L209 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L209-UA | | |
| NEZ | 3578242.63 | 4037970.76 | 372.45 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L209-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L418 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Cave-in-Rock |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3674102.08 | ELEVATION | ELLIPSOID |
| EASTING: | 4196360.63 | 486.50 | 390.29 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 16:35:26 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 16:37:27 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL E EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L418 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L418 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L418-BE | | | Point ID | L418-BE | | |
| NEZ | 3674065.22 | 4196348.51 | 483.47 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L418-BR | | | Point ID | L418-BR | | |
| NEZ | 3674044.33 | 4196344.34 | 482.61 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

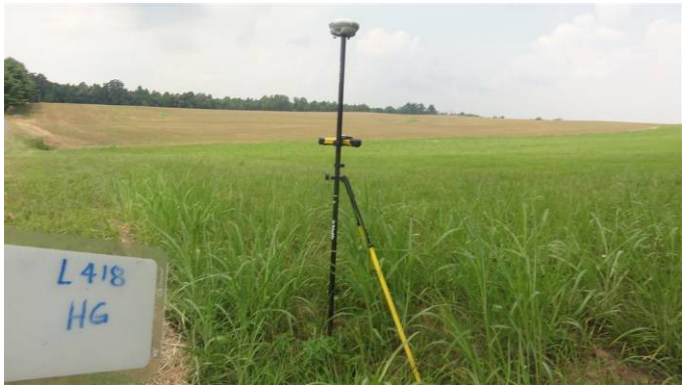
| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L418 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L418-FA | | | Point ID | L418-FA | | |
| NEZ | 3674074.42 | 4196270.31 | 493.03 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L418-HG | | | Point ID | L418-HG | | |
| NEZ | 3674043.78 | 4196259.58 | 491.79 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L418 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L418-UA | | | Point ID | L418-UA | | |
| NEZ | 3674060.53 | 4196315.95 | 487.04 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L424 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Salem |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3642581.56 | ELEVATION | ELLIPSOID |
| EASTING: | 4214915.32 | 532.54 | 436.66 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 15:01:55 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 15:04:15 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR DR @ W EDGE RD NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L424 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L424 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L424-BE | | | Point ID | L424-BE | | |
| NEZ | 3642616.52 | 4214895.80 | 531.94 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L424-BR | | | Point ID | L424-BR | | |
| NEZ | 3642754.13 | 4214857.14 | 524.48 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L424 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L424-FA | | | Point ID | L424-FA | | |
| NEZ | 3642781.74 | 4214896.04 | 521.01 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L424-HG | | | Point ID | L424-HG | | |
| NEZ | 3642729.25 | 4214935.11 | 526.99 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L424 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L424-UA | | | Point ID | L424-UA | | |
| NEZ | 3642641.33 | 4214910.96 | 531.19 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L427 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Dycusburg |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3612471.33 | ELEVATION | ELLIPSOID |
| EASTING: | 4224995.65 | 542.39 | 446.83 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 14:36:32 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 14:38:01 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SW EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L427 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L427 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L427-BE | | | Point ID | L427-BE | | |
| NEZ | 3612499.56 | 4225059.11 | 543.01 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L427-BR | | | Point ID | L427-BR | | |
| NEZ | 3612498.14 | 4225082.45 | 544.29 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L427 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L427-FA | | | Point ID | L427-FA | | |
| NEZ | 3612539.04 | 4225069.39 | 542.87 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L427-HG | | | Point ID | L427-HG | | |
| NEZ | 3612627.39 | 4224992.66 | 536.48 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L427 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L427-UA | | | Point ID | L427-UA | | |
| NEZ | 3612575.30 | 4225060.46 | 542.35 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L429 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Repton |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3679750.18 | ELEVATION | ELLIPSOID |
| EASTING: | 4233247.37 | 519.79 | 423.23 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 15:30:11 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 15:32:46 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW CNR DR @ E RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L429 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L429 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L429-BE | | | Point ID | L429-BE | | |
| NEZ | 3679749.35 | 4233274.34 | 517.47 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L429-BR | | | Point ID | L429-BR | | |
| NEZ | 3679661.07 | 4233210.47 | 509.64 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L429 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L429-FA | | | Point ID | L429-FA | | |
| NEZ | 3679702.07 | 4233261.80 | 515.08 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L429-HG | | | Point ID | L429-HG | | |
| NEZ | 3679623.72 | 4233202.10 | 507.20 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L429 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L429-UA | | | Point ID | L429-UA | | |
| NEZ | 3679785.94 | 4233306.43 | 518.73 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L432 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Marion |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3631125.70 | ELEVATION | ELLIPSOID |
| EASTING: | 4242408.14 | 649.37 | 553.48 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 19:34:35 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 19:55:25 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.152 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL N EDGE PAINT STRIPE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L432 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L432-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Marion |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3631153.33 | ELEVATION | ELLIPSOID |
| EASTING: | 4242320.87 | 645.65 | 549.76 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 19:39:15 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 19:50:50 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NAIL SET RTK VALIDATION

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L432-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L432 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L432-BE | | | Point ID | L432-BE | | |
| NEZ | 3631096.15 | 4242366.54 | 644.60 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L432-BR | | | Point ID | L432-BR | | |
| NEZ | 3631138.13 | 4242234.90 | 644.62 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L432 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L432-FA | | | Point ID | L432-FA | | |
| NEZ | 3631058.95 | 4242363.23 | 644.98 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L432-HG | | | Point ID | L432-HG | | |
| NEZ | 3631080.71 | 4242261.63 | 643.83 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L432 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L432-UA | | | Point ID | L432-UA | | |
| NEZ | 3631170.22 | 4242263.35 | 645.48 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L433 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Marion |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3653140.90 | ELEVATION | ELLIPSOID |
| EASTING: | 4244429.34 | 577.34 | 481.15 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 18:31:00 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 19:11:15 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.152 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR WALK ISECT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L433 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L433-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Marion |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3653052.28 | ELEVATION | ELLIPSOID |
| EASTING: | 4244373.62 | 579.18 | 483.00 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 18:35:00 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 19:09:10 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NAIL SET RTK VALIDATION

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L433-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L433 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-BE | | | Point ID | L433-BE | | |
| NEZ | 3653066.37 | 4244360.44 | 578.57 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-BR | | | Point ID | L433-BR | | |
| NEZ | 3653087.55 | 4244068.97 | 587.02 | | | | |

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**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L433 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-FA | | | Point ID | L433-FA | | |
| NEZ | 3653085.97 | 4244307.82 | 578.72 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-HG | | | Point ID | L433-HG | | |
| NEZ | 3653018.50 | 4244371.51 | 581.27 | | | | |

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**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L433 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L433UA | | |
| NEZ | 3653013.73 | 4244398.20 | 579.70 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L433UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L434 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Caldwell | QUAD: | Fredonia |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3611814.31 | ELEVATION | ELLIPSOID |
| EASTING: | 4247862.28 | 440.04 | 344.26 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 20:22:20 | X | UTC |
|---|---|---|---|---|---|---|
| RTK | DAY OF YEAR: | 219 | END TIME: | 20:24:19 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE EDGE PAINT STRIPE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

PHOTO SCIENCE
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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L434 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L434-RM-1 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Caldwell | QUAD: | Fredonia |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3611856.10 | ELEVATION | ELLIPSOID |
| EASTING: | 4247840.20 | 440.32 | 344.54 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 20:13:40 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 20:52:05 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.152 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

RTK BASE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L434-RM-1 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L434-RM-2 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Caldwell | QUAD: | Fredonia |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3611758.98 | ELEVATION | ELLIPSOID |
| EASTING: | 4247934.90 | 439.28 | 343.49 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 20:17:25 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 20:47:35 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

RTK CHECK POINT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L434-RM-2 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L434 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L434-BE | | | Point ID | L434-BE | | |
| NEZ | 3611803.87 | 4247941.01 | 442.58 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L434-BR | | | Point ID | L434-BR | | |
| NEZ | 3611771.43 | 4248016.02 | 445.88 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L434 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L434-FA | | | Point ID | L434-FA | | |
| NEZ | 3611832.40 | 4247959.00 | 445.60 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L434-HG | | | Point ID | L434-HG | | |
| NEZ | 3611807.44 | 4248037.63 | 445.00 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L434 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L434-UA | | | Point ID | L434-UA | | |
| NEZ | 3611894.42 | 4248001.55 | 450.53 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L436 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Marion |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3665164.41 | ELEVATION | ELLIPSOID |
| EASTING: | 4256265.41 | 527.42 | 430.92 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 17:12:20 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 17:48:35 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.152 | Meters | |
| | MEASURED | X | FIXED HGT. |

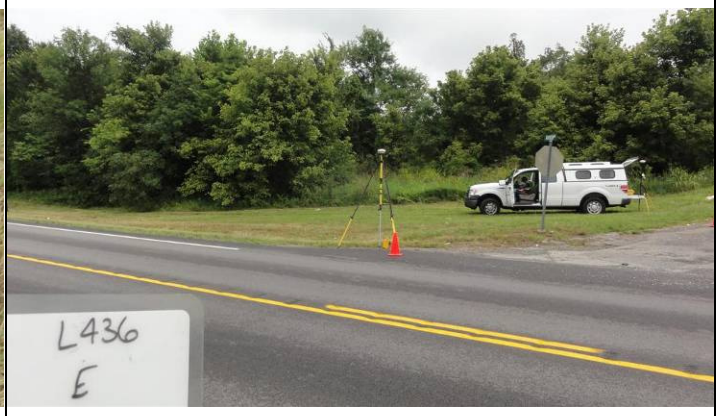
| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE RD EDGE @ COLOR CHANGE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:



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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L436 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L436-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Marion |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3665205.95 | ELEVATION | ELLIPSOID |
| EASTING: | 4256256.14 | 525.54 | 429.04 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 17:16:50 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 17:46:50 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NAIL SET RTK VALIDATION

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L436-AZI |
| Proj. No.: | 7145-003 |

| Photo: | Photo: |
| --- | --- |
| | |
| **Photo:** | **Photo:** |
| | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L436 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L436-BE | | | Point ID | L436-BE | | |
| NEZ | 3665119.65 | 4256293.87 | 528.42 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L436-BR | | | Point ID | L436-BR | | |
| NEZ | 3665042.07 | 4256311.38 | 529.49 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L436 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L436-FA | | | Point ID | L436-FA | | |
| NEZ | 3665070.30 | 4256262.53 | 533.29 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L436-HG | | | Point ID | L436-HG | | |
| NEZ | 3665137.94 | 4256318.30 | 526.92 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L436 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L436-UA | | |
| NEZ | 3665100.59 | 4256268.51 | 531.54 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L436-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L439 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Repton |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3686051.76 | ELEVATION | ELLIPSOID |
| EASTING: | 4264698.56 | 474.40 | 377.42 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 16:22:30 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 17:00:05 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.152 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SW EDGE RD @ COLOR CHANGE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L439 |
| Proj. No.: | 7145-003 |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L439-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Repton |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3686106.22 | ELEVATION | ELLIPSOID |
| EASTING: | 4264735.93 | 474.16 | 377.17 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 16:28:00 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 16:58:15 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NAIL SET RTK VALIDATION

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L439-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L439 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L439-BE | | | Point ID | L439-BE | | |
| NEZ | 3685936.90 | 4264657.17 | 473.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L439-BR | | | Point ID | L439-BR | | |
| NEZ | 3685994.45 | 4264647.54 | 471.00 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L439 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L439-FA | | | Point ID | L439-FA | | |
| NEZ | 3685927.10 | 4264518.48 | 470.63 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L439-HG | | | Point ID | L439-HG | | |
| NEZ | 3686057.52 | 4264671.02 | 474.38 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L439 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L439-UA | | | Point ID | L439-UA | | |
| NEZ | 3685985.48 | 4264684.12 | 473.72 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L443 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Caldwell | QUAD: | Shady Grove |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3627342.52 | ELEVATION | ELLIPSOID |
| EASTING: | 4277533.15 | 441.44 | 345.13 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 07/19/2013 | START TIME: | 12:48:15 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 200 | END TIME: | 13:06:10 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

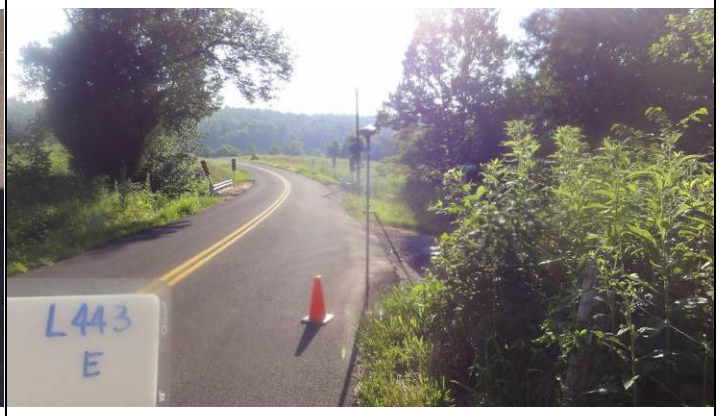
| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR DRIVE @ S RD EDGE NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:



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859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L443 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Geospatial Solutions

# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L443-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Caldwell | QUAD: | Shady Grove |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3627389.80 | ELEVATION | ELLIPSOID |
| EASTING: | 4277676.86 | 439.84 | 343.52 |

| SESSION | DATE: | 07/19/2013 | START TIME: | 12:48:15 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 200 | END TIME: | 13:08:20 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L443-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L433 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-BE | | | Point ID | L433-BE | | |
| NEZ | 3653066.37 | 4244360.44 | 578.57 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-BR | | | Point ID | L433-BR | | |
| NEZ | 3653087.55 | 4244068.97 | 587.02 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L433 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-FA | | | Point ID | L433-FA | | |
| NEZ | 3653085.97 | 4244307.82 | 578.72 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L433-HG | | | Point ID | L433-HG | | |
| NEZ | 3653018.50 | 4244371.51 | 581.27 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L433 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L433UA | | |
| NEZ | 3653013.73 | 4244398.20 | 579.70 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L433UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L445 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Blackford |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3712717.59 | ELEVATION | ELLIPSOID |
| EASTING: | 4284677.56 | 385.01 | 287.22 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 18:54:01 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 18:56:01 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL S EDGE PAINT STRIPE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L445 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L445 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L445-BE | | | Point ID | L445-BE | | |
| NEZ | 3712757.13 | 4284693.90 | 383.71 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L445-BR | | | Point ID | L445-BR | | |
| NEZ | 3713076.11 | 4284801.86 | 387.39 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L445 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L445-FA | | | Point ID | L445-FA | | |
| NEZ | 3712951.44 | 4284856.95 | 393.32 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L445-HG | | | Point ID | L445-HG | | |
| NEZ | 3712789.27 | 4284751.86 | 383.64 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L445 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L445-UA | | |
| NEZ | 3712812.16 | 4284736.40 | 384.93 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L445-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L448 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Shady Grove |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3658253.74 | ELEVATION | ELLIPSOID |
| EASTING: | 4295288.44 | 484.92 | 387.87 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 14:57:50 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 15:37:10 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.152 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W EDGE STOP BAR

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L448 |
| Proj. No.: | 7145-003 |

**Photo:**

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L448-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Shady Grove |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3658303.63 | ELEVATION | ELLIPSOID |
| EASTING: | 4295261.25 | 485.58 | 388.53 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 15:04:45 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 15:34:20 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NAIL SET RTK VALIDATION

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L448-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

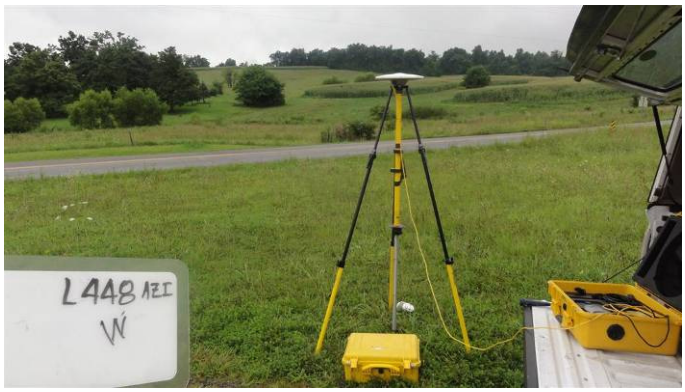


**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L448 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L448-BE | | | Point ID | L448-BE | | |
| NEZ | 3658360.61 | 4295239.13 | 484.94 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L448-BR | | | Point ID | L448-BR | | |
| NEZ | 3658264.62 | 4295173.44 | 478.39 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L448 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L448-FA | | | Point ID | L448-FA | | |
| NEZ | 3658169.37 | 4295252.09 | 477.85 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L448-HG | | | Point ID | L448-HG | | |
| NEZ | 3658208.83 | 4295248.26 | 481.03 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L448 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L448-UA | | | Point ID | L448-UA | | |
| NEZ | 3658362.71 | 4295268.06 | 488.34 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L452 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Webster | QUAD: | Providence |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3708983.55 | ELEVATION | ELLIPSOID |
| EASTING: | 4308747.14 | 367.46 | 269.38 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 19:15:50 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 19:17:51 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL E EDGE PAINT STRIPE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L452 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L452 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L452-BE | | | Point ID | L452-BE | | |
| NEZ | 3709011.97 | 4308735.79 | 366.49 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L452-BR | | | Point ID | L452-BR | | |
| NEZ | 3708774.56 | 4309040.99 | 360.88 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L452 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L452-FA | | | Point ID | L452-FA | | |
| NEZ | 3708923.25 | 4308802.77 | 366.21 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L452-HG | | | Point ID | L452-HG | | |
| NEZ | 3708890.24 | 4308942.83 | 363.78 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L452 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L452-UA | | |
| NEZ | 3709011.14 | 4308762.85 | 366.76 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L452-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L459 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Providence |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3667180.65 | ELEVATION | ELLIPSOID |
| EASTING: | 4330504.00 | 461.62 | 363.79 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 13:36:50 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 14:14:35 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.152 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E ED EDGE @ NW CNR GRAVEL DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L459 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L459-AZI |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Livingston | QUAD: | Providence |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3667286.51 | ELEVATION | ELLIPSOID |
| EASTING: | 4330563.92 | 461.65 | 363.83 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR7_GNSS |
| RECEIVER S/N: | 4906K34257 |

| SESSION | DATE: | 08/07/2013 | START TIME: | 13:41:00 | X | UTC |
|---|---|---|---|---|---|---|
| STATIC NET | DAY OF YEAR: | 219 | END TIME: | 14:10:25 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | 1440929179 |
| Antenna Type: | TRM57971.00 |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NAIL SET RTK VALIDATION

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L459-AZI |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L459 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L459-BE | | | Point ID | L459-BE | | |
| NEZ | 3667131.49 | 4330513.20 | 461.19 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L459-BR | | | Point ID | L459-BR | | |
| NEZ | 3666965.68 | 4330464.45 | 451.52 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L459 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L459-FA | | | Point ID | L459-FA | | |
| NEZ | 3667166.91 | 4330538.64 | 462.20 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L459-HG | | | Point ID | L459-HG | | |
| NEZ | 3666989.84 | 4330373.62 | 456.30 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L459 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L459-UA | | |
| NEZ | 3667153.60 | 4330479.85 | 461.14 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L459-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L503 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Grove Center |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3772450.01 | ELEVATION | ELLIPSOID |
| EASTING: | 4243389.90 | 374.74 | 276.76 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 17:04:40 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 17:06:40 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL N EDGE OF PAINT STRIPE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L503 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L503 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L503-BE | | | Point ID | L503-BE | | |
| NEZ | 3772438.63 | 4243412.15 | 374.34 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L503-BR | | | Point ID | L503-BR | | |
| NEZ | 3772423.81 | 4243431.99 | 375.38 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L503 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L503-FA | | | Point ID | L503-FA | | |
| NEZ | 3772414.10 | 4243415.20 | 374.79 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L503-HG | | | Point ID | L503-HG | | |
| NEZ | 3772384.48 | 4243531.42 | 376.79 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L503 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L503-UA | | |
| NEZ | 3772410.44 | 4243471.79 | 375.80 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L503-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L514 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Morganfield |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3782619.37 | ELEVATION | ELLIPSOID |
| EASTING: | 4302715.81 | 397.97 | 299.28 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 15:07:32 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 15:09:34 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S DR EDGE @ CHANGE IN ASPHALT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L514 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L514 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L514-BE | | | Point ID | L514-BE | | |
| NEZ | 3782565.53 | 4302754.83 | 390.19 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L514-BR | | | Point ID | L514-BR | | |
| NEZ | 3781869.84 | 4300654.14 | 390.69 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L514 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L514-FA | | | Point ID | L514-FA | | |
| NEZ | 3781831.85 | 4300644.14 | 390.88 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L514-HG | | | Point ID | L514-HG | | |
| NEZ | 3782575.12 | 4302827.57 | 392.62 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L514 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L514-UA | | | Point ID | L514-UA | | |
| NEZ | 3782563.78 | 4302682.50 | 398.43 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L524 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Waverly |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3772497.31 | ELEVATION | ELLIPSOID |
| EASTING: | 4335095.72 | 405.88 | 307.09 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 14:37:40 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 14:39:40 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL EDGE HDWL @ EDGE GRAVEL DR

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L524 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L524 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L524-BE | | | Point ID | L524-BE | | |
| NEZ | 3772535.47 | 4335097.28 | 408.62 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L524-BR | | | Point ID | L524-BR | | |
| NEZ | 3772712.19 | 4334854.03 | 420.28 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L524 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L524-FA | | | Point ID | L524-FA | | |
| NEZ | 3768776.93 | 4332913.28 | 444.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L524-HG | | | Point ID | L524-HG | | |
| NEZ | 3772710.65 | 4334861.62 | 420.44 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L524 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L524-UA | | |
| NEZ | 3772532.75 | 4335152.84 | 409.26 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L524-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L525 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Bordley |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3749299.08 | ELEVATION | ELLIPSOID |
| EASTING: | 4314293.89 | 553.48 | 455.17 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 20:29:54 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 20:31:56 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW RD EDGE @ SE CNR OF DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L525 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L525 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L525-BE | | | Point ID | L525-BE | | |
| NEZ | 3749297.32 | 4314265.27 | 555.89 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L525-BR | | | Point ID | L525-BR | | |
| NEZ | 3749398.26 | 4314386.28 | 553.59 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L525 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L525-FA | | | Point ID | L525-FA | | |
| NEZ | 3749347.24 | 4314358.52 | 553.55 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L525-HG | | | Point ID | L525-HG | | |
| NEZ | 3749318.01 | 4314333.54 | 552.67 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L525 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L525-UA | | |
| NEZ | 3749311.19 | 4314311.31 | 554.05 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L525-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L531 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Webster | QUAD: | Bordley |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3743681.96 | ELEVATION | ELLIPSOID |
| EASTING: | 4330979.66 | 565.24 | 466.76 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 20:06:31 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 20:08:32 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E RD EDGE @ NW CNR OF DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L531 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

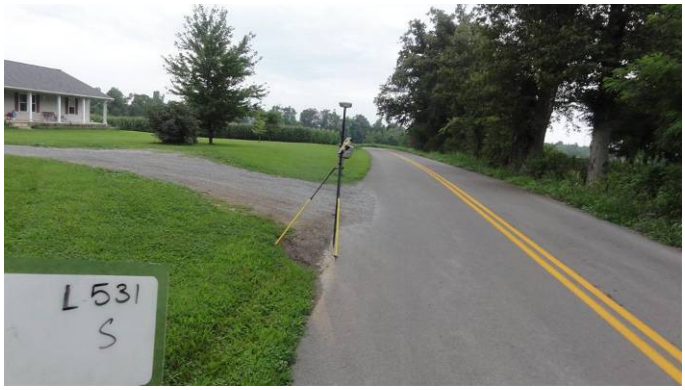


**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L531 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L531-BE | | | Point ID | L531-BE | | |
| NEZ | 3743720.72 | 4330998.57 | 567.37 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L531-BR | | | Point ID | L531-BR | | |
| NEZ | 3743745.89 | 4330956.72 | 566.30 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L531 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L531-FA | | | Point ID | L531-FA | | |
| NEZ | 3743754.06 | 4330959.48 | 566.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L531-HG | | | Point ID | L531-HG | | |
| NEZ | 3743726.52 | 4330962.33 | 564.70 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L531 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L531-UA | | |
| NEZ | 3743717.15 | 4330973.40 | 565.75 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L531-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L532 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Webster | QUAD: | Bordley |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3724278.85 | ELEVATION | ELLIPSOID |
| EASTING: | 4313607.73 | 457.28 | 359.04 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 19:38:07 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 19:40:08 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S RD EDGE @ NE CNR OF DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L532 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L532 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L532-BE | | | Point ID | L532-BE | | |
| NEZ | 3724247.54 | 4313617.93 | 457.31 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L532-BR | | | Point ID | L532-BR | | |
| NEZ | 3724265.19 | 4313558.88 | 458.41 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L532 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L532-FA | | | Point ID | L532-FA | | |
| NEZ | 3724223.80 | 4313530.46 | 458.95 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L532-HG | | | Point ID | L532-HG | | |
| NEZ | 3724256.67 | 4313394.75 | 460.82 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L532 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L532-UA | | | Point ID | L532-UA | | |
| NEZ | 3724349.80 | 4313448.39 | 458.03 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L537 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Webster | QUAD: | Poole |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3758463.64 | ELEVATION | ELLIPSOID |
| EASTING: | 4372100.34 | 493.39 | 394.10 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 20:32:26 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 20:34:41 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E EDGE RD @NW CNR DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| --- | --- |
| POINT ID: | L537 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L537 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L537-BE | | | Point ID | L537-BE | | |
| NEZ | 3758476.06 | 4372129.87 | 493.11 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L537-BR | | | Point ID | L537-BR | | |
| NEZ | 3758265.85 | 4372009.60 | 486.70 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L537 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L537-FA | | | Point ID | L537-FA | | |
| NEZ | 3758396.78 | 4372104.64 | 492.33 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L537-HG | | | Point ID | L537-HG | | |
| NEZ | 3758350.14 | 4372038.44 | 489.10 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L537 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L537-UA | | |
| NEZ | 3758280.56 | 4372098.73 | 489.70 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L537-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L604 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Henderson |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3818977.83 | ELEVATION | ELLIPSOID |
| EASTING: | 4413447.59 | 396.39 | 295.88 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 18:39:50 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 18:41:55 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL CATCH BASIN

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L604 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L604 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L604-BE | | | Point ID | L604-BE | | |
| NEZ | 3818875.21 | 4413410.76 | 406.05 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L604-BR | | | Point ID | L604-BR | | |
| NEZ | 3818329.67 | 4414627.58 | 405.04 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L604 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L604-FA | | | Point ID | L604-FA | | |
| NEZ | 3818306.37 | 4414679.84 | 404.99 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L604-HG | | | Point ID | L604-HG | | |
| NEZ | 3818926.31 | 4413236.61 | 408.40 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L604 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L604-UA | | |
| NEZ | 3818961.71 | 4413372.91 | 398.99 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L604-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L607 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Henderson |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3823799.29 | ELEVATION | ELLIPSOID |
| EASTING: | 4394821.11 | 380.89 | 280.42 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 16:15:36 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 16:17:36 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR OF ASPHALT PARKING LOT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

PHOTO SCIENCE
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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L607 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

PHOTO SCIENCE
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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L607 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L607-BE | | | Point ID | L607-BE | | |
| NEZ | 3823848.01 | 4394864.23 | 380.06 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L607-BR | | | Point ID | L607-BR | | |
| NEZ | 3823635.64 | 4394855.75 | 386.42 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L607 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L607-FA | | | Point ID | L607-FA | | |
| NEZ | 3823596.93 | 4394961.03 | 391.52 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L607-HG | | | Point ID | L607-HG | | |
| NEZ | 3823549.45 | 4394918.37 | 388.93 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L607 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L607-UA | | | Point ID | L607-UA | | |
| NEZ | 3823713.28 | 4394838.54 | 384.81 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L610 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Henderson |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3841708.96 | ELEVATION | ELLIPSOID |
| EASTING: | 4416075.36 | 459.68 | 358.68 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 16:46:33 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 16:48:34 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR CONCRETE PARKING LOT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L610 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L610 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L610-BE | | | Point ID | L610-BE | | |
| NEZ | 3841682.67 | 4416042.45 | 456.79 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L610-BR | | | Point ID | L610-BR | | |
| NEZ | 3841716.00 | 4416125.59 | 461.63 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L610 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L610-FA | | | Point ID | L610-FA | | |
| NEZ | 3841602.32 | 4416163.05 | 464.65 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L610-HG | | | Point ID | L610-HG | | |
| NEZ | 3841809.48 | 4415720.02 | 443.72 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L610 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L610-UA | | |
| NEZ | 3841627.53 | 4416098.53 | 457.82 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L610-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L617 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Smith Mills |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3820652.57 | ELEVATION | ELLIPSOID |
| EASTING: | 4339904.35 | 413.76 | 313.95 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 13:48:21 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 13:50:20 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR OF WALK

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L617 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L617 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L617-BE | | | Point ID | L617-BE | | |
| NEZ | 3820631.35 | 4339898.74 | 414.78 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L617-BR | | | Point ID | L617-BR | | |
| NEZ | 3820612.32 | 4339882.33 | 414.45 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
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| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L617 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L617-FA | | | Point ID | L617-FA | | |
| NEZ | 3820535.25 | 4339832.34 | 412.10 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L617-HG | | | Point ID | L617-HG | | |
| NEZ | 3820572.81 | 4339846.63 | 413.17 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L617 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L617-UA | | |
| NEZ | 3820556.05 | 4339810.62 | 410.61 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L617-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L626 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Waverly |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3792590.89 | ELEVATION | ELLIPSOID |
| EASTING: | 4337813.71 | 374.63 | 275.43 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 14:13:38 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 14:15:38 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW EDGE RD @ S CNR OF DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L626 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L626 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L626-BE | | | Point ID | L626-BE | | |
| NEZ | 3792594.38 | 4337766.44 | 374.45 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L626-BR | | | Point ID | L626-BR | | |
| NEZ | 3792417.78 | 4337768.73 | 372.67 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE | AREA ID: | L626 |
|---|---|---|
| Kentucky Statewide | Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L626-FA | | | Point ID | L626-FA | | |
| NEZ | 3792612.67 | 4337733.53 | 375.33 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L626-HG | | | Point ID | L626-HG | | |
| NEZ | 3792699.81 | 4337854.53 | 371.88 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L626 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L626-UA | | |
| NEZ | 3792645.91 | 4337780.09 | 375.01 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L626-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L628 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Poole |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3793560.30 | ELEVATION | ELLIPSOID |
| EASTING: | 4370215.29 | 476.54 | 376.84 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 19:47:57 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 19:49:57 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL N EDGE PAINT LINE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L628 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L628 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L628-BE | | | Point ID | L628-BE | | |
| NEZ | 3793577.97 | 4370259.29 | 475.04 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L628-BR | | | Point ID | L628-BR | | |
| NEZ | 3793471.80 | 4370051.17 | 481.76 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L628 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L628-FA | | | Point ID | L628-FA | | |
| NEZ | 3793587.85 | 4370136.69 | 481.34 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L628-HG | | | Point ID | L628-HG | | |
| NEZ | 3793616.49 | 4370157.69 | 481.35 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L628 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L628-UA | | | Point ID | L628-UA | | |
| NEZ | 3793535.95 | 4370285.38 | 475.06 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L630 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Robards |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3793015.02 | ELEVATION | ELLIPSOID |
| EASTING: | 4405928.84 | 442.06 | 341.97 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 21:28:34 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 21:30:03 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E RD EDGE @NW CNR DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L630 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L630 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L630-BE | | | Point ID | L630-BE | | |
| NEZ | 3792981.22 | 4405972.24 | 442.17 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L630-BR | | | Point ID | L630-BR | | |
| NEZ | 3792795.11 | 4405954.52 | 440.15 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
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| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L630 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L630-FA | | | Point ID | L630-FA | | |
| NEZ | 3792920.22 | 4405917.69 | 438.79 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L630-HG | | | Point ID | L630-HG | | |
| NEZ | 3792869.30 | 4406022.57 | 443.69 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| AREA ID: | L630 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L630-UA | | | Point ID | L630-UA | | |
| NEZ | 3792799.62 | 4406003.89 | 442.78 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L634 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Poole |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3772554.31 | ELEVATION | ELLIPSOID |
| EASTING: | 4364110.66 | 448.60 | 349.30 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 20:10:27 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 20:12:44 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

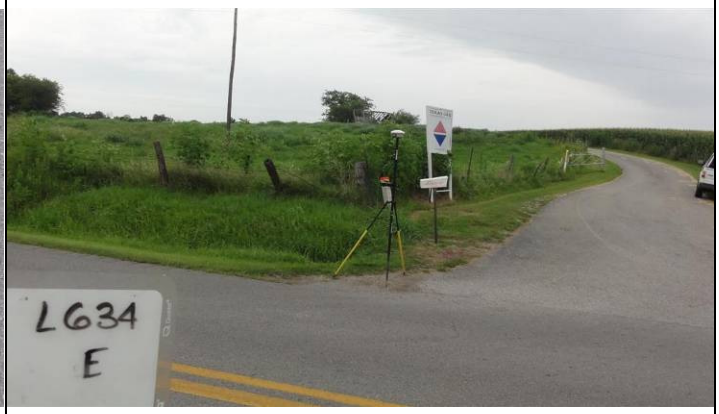
| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E EDGE RD @ NW CNR DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:



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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L634 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L634 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L634-BE | | | Point ID | L634-BE | | |
| NEZ | 3772539.15 | 4364147.75 | 450.32 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L634-BR | | | Point ID | L634-BR | | |
| NEZ | 3772418.92 | 4363954.46 | 446.23 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
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| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L634 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L634-FA | | | Point ID | L634-FA | | |
| NEZ | 3772439.85 | 4364014.68 | 447.24 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L634-HG | | | Point ID | L634-HG | | |
| NEZ | 3772438.30 | 4364121.58 | 449.19 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L634 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L634-UA | | | Point ID | L634-UA | | |
| NEZ | 3772515.83 | 4364168.77 | 451.51 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L635 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Robards |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3779895.01 | ELEVATION | ELLIPSOID |
| EASTING: | 4410919.16 | 466.84 | 366.84 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 12:30:20 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 12:31:56 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE CNR CATCH BASIN GRATE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
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| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L635 |
| Proj. No.: | 7145-003 |

**Photo:**

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**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L635 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L635-BE | | | Point ID | L635-BE | | |
| NEZ | 3779926.36 | 4410916.03 | 468.77 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L635-BR | | | Point ID | L635-BR | | |
| NEZ | 3780001.15 | 4411015.67 | 478.85 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| AREA ID: | L635 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L635-FA | | | Point ID | L635-FA | | |
| NEZ | 3780010.47 | 4411063.07 | 473.64 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L635-HG | | | Point ID | L635-HG | | |
| NEZ | 3779982.35 | 4410997.91 | 476.43 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| AREA ID: | L635 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L635-UA | | |
| NEZ | 3779923.43 | 4410966.07 | 469.25 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L635-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
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| Kentucky Statewide |

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|---|---|
| POINT ID: | L636 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Robards |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3773660.82 | ELEVATION | ELLIPSOID |
| EASTING: | 4398294.90 | 425.46 | 325.63 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 21:04:36 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 21:06:35 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W EDGE RD IN LINE WITH STOP SIGN

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L636 |
| Proj. No.: | 7145-003 |

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L636 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L636-BE | | | Point ID | L636-BE | | |
| NEZ | 3773691.55 | 4398336.55 | 424.48 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L636-BR | | | Point ID | L636-BR | | |
| NEZ | 3773559.01 | 4398267.99 | 425.96 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L636 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L636-FA | | | Point ID | L636-FA | | |
| NEZ | 3773347.02 | 4398298.02 | 434.12 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L636-HG | | | Point ID | L636-HG | | |
| NEZ | 3773583.75 | 4398310.29 | 426.48 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L636 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L636-UA | | | Point ID | L636-UA | | |
| NEZ | 3773697.00 | 4398309.91 | 424.18 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L703 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IN | COUNTY: | Vanderburgh | QUAD: | Newburgh |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3873491.94 | ELEVATION | ELLIPSOID |
| EASTING: | 4430406.59 | 398.76 | 296.96 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/25/2013 | START TIME: | 14:05:57 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 176 | END TIME: | 14:06:18 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E RD EDGE @ NW CNR DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L703 |
| Proj. No.: | 7145-003 |

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
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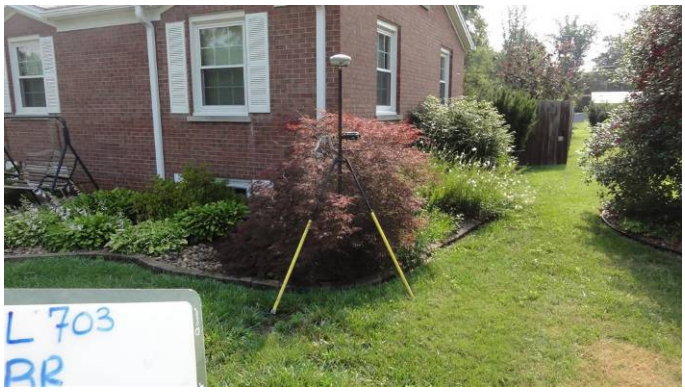
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L703 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L703-BE | | | Point ID | L703-BE | | |
| NEZ | 3873527.73 | 4430415.67 | 399.42 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L703-BR | | | Point ID | L703-BR | | |
| NEZ | 3873510.11 | 4430453.67 | 399.63 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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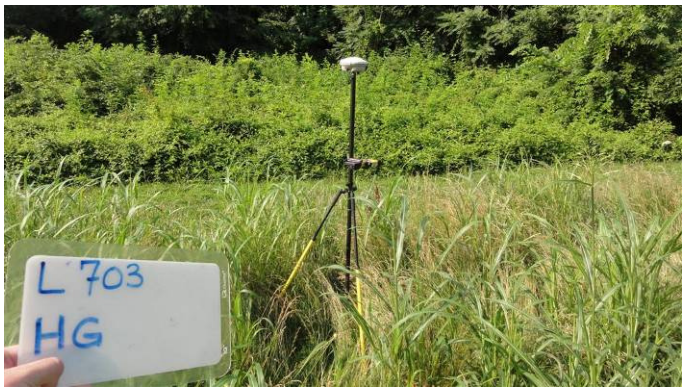
|---|---|
| AREA ID: | L703 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L703-FA | | | Point ID | L703-FA | | |
| NEZ | 3873368.51 | 4430359.56 | 393.60 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L703-HG | | | Point ID | L703-HG | | |
| NEZ | 3873141.33 | 4429756.91 | 387.31 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L703 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L703-UA | | |
| NEZ | 3873538.50 | 4430397.36 | 400.16 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L703-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L711 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Daviess | QUAD: | Owensboro East |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3806957.04 | ELEVATION | ELLIPSOID |
| EASTING: | 4527586.05 | 397.36 | 296.08 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/24/2013 | START TIME: | 20:02:28 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 175 | END TIME: | 20:04:19 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR OF WALK @ DRIVE ISECT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L711 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L711 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L711-BE | | | Point ID | L711-BE | | |
| NEZ | 3806934.06 | 4527594.95 | 397.21 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L711-BR | | | Point ID | L711-BR | | |
| NEZ | 3806983.65 | 4527571.72 | 397.90 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L711 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L711-FA | | | Point ID | L711-FA | | |
| NEZ | 3806878.03 | 4527596.01 | 396.93 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L711-HG | | | Point ID | L711-HG | | |
| NEZ | 3806924.14 | 4527436.05 | 398.91 | | | | |

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Lexington, KY 40503
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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L711 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L711-UA | | |
| NEZ | 3806967.41 | 4527529.73 | 397.63 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L711-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L712 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Daviess | QUAD: | Reed |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3831434.93 | ELEVATION | ELLIPSOID |
| EASTING: | 4476703.02 | 383.51 | 282.27 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 17:19:21 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 17:21:32 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

N RD EDGE OPPOSITE END GRAVEL RAIL

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L712 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L712 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L712-BE | | | Point ID | L712-BE | | |
| NEZ | 3831404.31 | 4476918.43 | 380.04 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L712-BR | | | Point ID | L712-BR | | |
| NEZ | 3831530.81 | 4476514.91 | 378.97 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L712 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L712-FA | | | Point ID | L712-FA | | |
| NEZ | 3831392.46 | 4477008.14 | 380.99 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L712-HG | | | Point ID | L712-HG | | |
| NEZ | 3831402.81 | 4476868.20 | 378.47 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L712 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L712-UA | | | Point ID | L712-UA | | |
| NEZ | 3831328.93 | 4477008.93 | 384.19 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L715 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IN | COUNTY: | Warrick | QUAD: | Yankeetown |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3861440.60 | ELEVATION | ELLIPSOID |
| EASTING: | 4474713.64 | 450.18 | 348.32 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/25/2013 | START TIME: | 13:20:57 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 176 | END TIME: | 13:21:02 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL W EDGE STOP BAR

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L715 |
| Proj. No.: | 7145-003 |

| Photo: | Photo: |
|---|---|
| | |
| **Photo:** | **Photo:** |
| | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L715 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L715-BE | | | Point ID | L715-BE | | |
| NEZ | 3861602.68 | 4474811.09 | 462.32 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L715-BR | | | Point ID | L715-BR | | |
| NEZ | 3861589.05 | 4474787.22 | 459.79 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
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| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L715 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L715-FA | | | Point ID | L715-FA | | |
| NEZ | 3861566.57 | 4474900.63 | 466.86 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L715-HG | | | Point ID | L715-HG | | |
| NEZ | 3861611.41 | 4474735.09 | 458.95 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L715 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L715-UA | | | Point ID | L715-UA | | |
| NEZ | 3861489.66 | 4474749.41 | 452.45 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L724 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Daviess | QUAD: | Rockport |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3847210.32 | ELEVATION | ELLIPSOID |
| EASTING: | 4555770.24 | 399.62 | 297.36 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/24/2013 | START TIME: | 18:47:16 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 175 | END TIME: | 18:49:30 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NW CNR OF CONC AROUND CATCH BASIN

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L724 |
| Proj. No.: | 7145-003 |

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L724 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L724-BE | | | Point ID | L724-BE | | |
| NEZ | 3847180.18 | 4555785.61 | 400.32 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L724-BR | | | Point ID | L724-BR | | |
| NEZ | 3847190.79 | 4555677.88 | 386.62 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L724 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L724-FA | | | Point ID | L724-FA | | |
| NEZ | 3847153.79 | 4555700.38 | 386.60 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L724-HG | | | Point ID | L724-HG | | |
| NEZ | 3847206.90 | 4555655.46 | 385.35 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L724 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L724-UA | | | Point ID | L724-UA | | |
| NEZ | 3847239.86 | 4555683.31 | 399.81 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L729 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Hancock | QUAD: | Lewisport |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3844453.54 | ELEVATION | ELLIPSOID |
| EASTING: | 4595656.00 | 517.95 | 414.90 |

| SESSION | DATE: | 06/24/2013 | START TIME: | 16:39:38 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 175 | END TIME: | 16:42:05 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

N EDGE RD @ W RD EDGE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L729 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L729 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L729-BE | | | Point ID | L729-BE | | |
| NEZ | 3844473.92 | 4595642.38 | 521.73 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L729-BR | | | Point ID | L729-BR | | |
| NEZ | 3844387.69 | 4595781.09 | 506.52 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L729 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L729-FA | | | Point ID | L729-FA | | |
| NEZ | 3844412.42 | 4595748.70 | 510.91 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L729-HG | | | Point ID | L729-HG | | |
| NEZ | 3844432.66 | 4595605.19 | 520.39 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L729 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L729-UA | | | Point ID | L729-UA | | |
| NEZ | 3844427.92 | 4595681.72 | 514.49 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L731 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IN | COUNTY: | Spencer | QUAD: | Lewisport |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3866770.49 | ELEVATION | ELLIPSOID |
| EASTING: | 4569308.39 | 377.16 | 274.31 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/24/2013 | START TIME: | 18:15:04 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 175 | END TIME: | 18:16:16 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL RD @ CL CULVERT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L731 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L731 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L731-BE | | | Point ID | L731-BE | | |
| NEZ | 3866789.31 | 4569307.80 | 376.01 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L731-BR | | | Point ID | L731-BR | | |
| NEZ | 3867145.11 | 4567260.37 | 388.11 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L731 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L731-FA | | | Point ID | L731-FA | | |
| NEZ | 3867140.22 | 4567198.64 | 390.79 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L731-HG | | | Point ID | L731-HG | | |
| NEZ | 3867202.85 | 4567193.05 | 391.35 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L731 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L731-UA | | |
| NEZ | 3866773.96 | 4569274.41 | 377.26 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L731-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L4010 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Cave-in-Rock |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3693451.70 | ELEVATION | ELLIPSOID |
| EASTING: | 4222224.30 | 422.13 | 325.43 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 15:52:13 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 15:54:13 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L4010 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L4010 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4010-BE | | | Point ID | L4010-BE | | |
| NEZ | 3693428.31 | 4222249.61 | 423.21 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4010-BR | | | Point ID | L4010-BR | | |
| NEZ | 3693366.01 | 4222307.48 | 432.51 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**



| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L4010 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4010-FA | | | Point ID | L4010-FA | | |
| NEZ | 3693410.14 | 4222250.34 | 426.80 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4010-HG | | | Point ID | L4010-HG | | |
| NEZ | 3693422.03 | 4222335.77 | 426.26 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L4010 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L4010-UA | | |
| NEZ | 3693414.92 | 4222305.42 | 426.80 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L4010-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L4011 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Cave-in-Rock |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3690463.88 | ELEVATION | ELLIPSOID |
| EASTING: | 4197143.32 | 375.63 | 279.18 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 07/18/2013 | START TIME: | 16:15:02 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 199 | END TIME: | 16:17:03 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL E EDGE STOP BAR NAIL SET

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L4011 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L4011 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4011-BE | | | Point ID | L4011-BE | | |
| NEZ | 3690500.47 | 4197209.83 | 374.87 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4011-BR | | | Point ID | L4011-BR | | |
| NEZ | 3690518.28 | 4197195.65 | 374.63 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L4011 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4011-FA | | | Point ID | L4011-FA | | |
| NEZ | 3690544.57 | 4197135.35 | 373.14 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L4011-HG | | | Point ID | L4011-HG | | |
| NEZ | 3690446.04 | 4197166.66 | 377.80 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L4011 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L4011-UA | | |
| NEZ | 3690525.82 | 4197154.01 | 373.68 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L4011-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L5006 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Crittenden | QUAD: | Dekoven |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3714173.52 | ELEVATION | ELLIPSOID |
| EASTING: | 4265557.04 | 550.40 | 452.87 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 18:29:07 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 18:30:24 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

E RD EDGE @ NW CNR OF GRAVEL DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L5006 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5006 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5006-BE | | | Point ID | L5006-BE | | |
| NEZ | 3714007.40 | 4265618.56 | 555.98 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5006-BR | | | Point ID | L5006-BR | | |
| NEZ | 3714192.74 | 4265508.90 | 549.48 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5006 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5006-FA | | | Point ID | L5006-FA | | |
| NEZ | 3714091.80 | 4265615.13 | 551.56 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5006-HG | | | Point ID | L5006-HG | | |
| NEZ | 3714181.64 | 4265567.03 | 547.92 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5006 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5006-UA | | |
| NEZ | 3714196.27 | 4265537.40 | 549.64 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5006-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L5008 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Saline Mines |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3758735.56 | ELEVATION | ELLIPSOID |
| EASTING: | 4229758.99 | 343.25 | 245.61 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 17:29:27 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 17:31:27 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S EDGE RD @ CROP LINE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| --- | --- |
| POINT ID: | L5008 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5008 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5008-BE | | | Point ID | L5008-BE | | |
| NEZ | 3758752.57 | 4229801.97 | 342.56 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5008-BR | | | Point ID | L5008-BR | | |
| NEZ | 3759609.98 | 4232027.68 | 340.36 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5008 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5008-FA | | | Point ID | L5008-FA | | |
| NEZ | 3759685.64 | 4232075.19 | 342.53 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5008-HG | | | Point ID | L5008-HG | | |
| NEZ | 3759712.34 | 4231919.33 | 340.28 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5008 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5008-UA | | |
| NEZ | 3758763.28 | 4229787.34 | 342.85 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5008-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L5018 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Uniontown |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3807988.58 | ELEVATION | ELLIPSOID |
| EASTING: | 4282450.40 | 400.94 | 301.92 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 15:41:16 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 15:43:17 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W RD EDGE @ SE CNR OF DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L5018 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5018 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5018-BE | | | Point ID | L5018-BE | | |
| NEZ | 3808033.24 | 4282449.56 | 400.60 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5018-BR | | | Point ID | L5018-BR | | |
| NEZ | 3807995.88 | 4282486.29 | 401.68 | | | | |

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5018 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5018-FA | | | Point ID | L5018-FA | | |
| NEZ | 3808114.56 | 4282450.36 | 405.50 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5018-HG | | | Point ID | L5018-HG | | |
| NEZ | 3808207.19 | 4282524.35 | 402.51 | | | | |

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Lexington, KY 40503
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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5018 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5018-UA | | |
| NEZ | 3808046.79 | 4282477.67 | 402.10 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5018-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L5021 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Grove Center |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3796033.81 | ELEVATION | ELLIPSOID |
| EASTING: | 4255074.10 | 354.14 | 255.68 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 16:07:20 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 16:09:19 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

S RD EDGE @ BREAK IN ASPHALT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L5021 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L5021 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5021-BE | | | Point ID | L5021-BE | | |
| NEZ | 3796000.08 | 4255113.33 | 352.25 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5021-BR | | | Point ID | L5021-BR | | |
| NEZ | 3796086.19 | 4255082.99 | 349.43 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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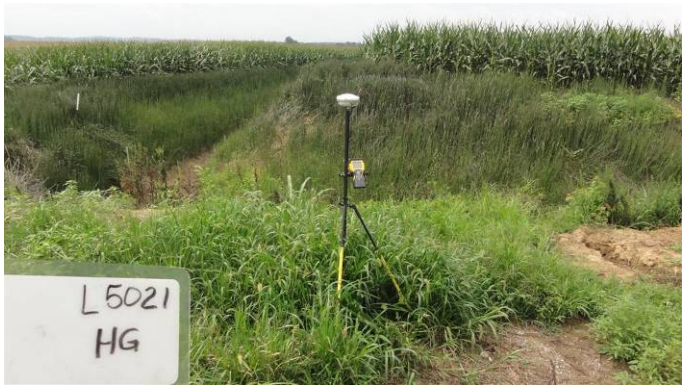
| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L5021 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5021-FA | | | Point ID | L5021-FA | | |
| NEZ | 3796079.12 | 4255049.58 | 351.13 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5021-HG | | | Point ID | L5021-HG | | |
| NEZ | 3795958.74 | 4255156.12 | 348.88 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L5021 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5021-UA | | | Point ID | L5021-UA | | |
| NEZ | 3795970.01 | 4255177.07 | 351.62 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L5022 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Grove Center |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3782356.07 | ELEVATION | ELLIPSOID |
| EASTING: | 4234433.51 | 375.60 | 277.61 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 16:35:01 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 16:37:05 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL NW EDGE OF PAINT STRIPE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
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| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L5022 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L5022 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5022-BE | | | Point ID | L5022-BE | | |
| NEZ | 3782276.19 | 4234305.32 | 368.88 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5022-BR | | | Point ID | L5022-BR | | |
| NEZ | 3782366.07 | 4234324.11 | 372.89 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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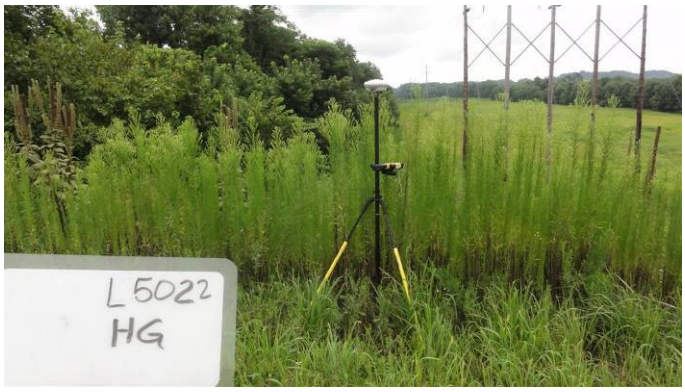
|---|---|
| AREA ID: | L5022 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5022-FA | | | Point ID | L5022-FA | | |
| NEZ | 3782447.91 | 4234401.48 | 372.26 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L5022-HG | | | Point ID | L5022-HG | | |
| NEZ | 3782254.63 | 4234327.04 | 367.89 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L5022 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5022-UA | | |
| NEZ | 3782336.73 | 4234359.63 | 374.11 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L5022-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L6007 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Wilson |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3820502.32 | ELEVATION | ELLIPSOID |
| EASTING: | 4373032.53 | 380.50 | 280.28 |

| SESSION | DATE: | 08/05/2013 | START TIME: | 19:15:54 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 217 | END TIME: | 19:17:54 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

N CNR WALK

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

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| POINT ID: | L6007 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6007 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6007-BE | | | Point ID | L6007-BE | | |
| NEZ | 3820572.99 | 4373026.05 | 380.42 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6007-BR | | | Point ID | L6007-BR | | |
| NEZ | 3820485.74 | 4372876.35 | 372.50 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6007 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6007-FA | | | Point ID | L6007-FA | | |
| NEZ | 3820600.87 | 4372837.13 | 371.18 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6007-HG | | | Point ID | L6007-HG | | |
| NEZ | 3820514.21 | 4372869.49 | 371.90 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6007 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L6007-UA | | |
| NEZ | 3820580.01 | 4372948.92 | 380.97 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L6007-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L6010 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IN | COUNTY: | Vanderburgh | QUAD: | Evansville South |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3865277.96 | ELEVATION | ELLIPSOID |
| EASTING: | 4402448.09 | 376.55 | 275.15 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/25/2013 | START TIME: | 14:33:56 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 176 | END TIME: | 14:35:43 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR CONC RD @ N RD EDGE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L6010 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

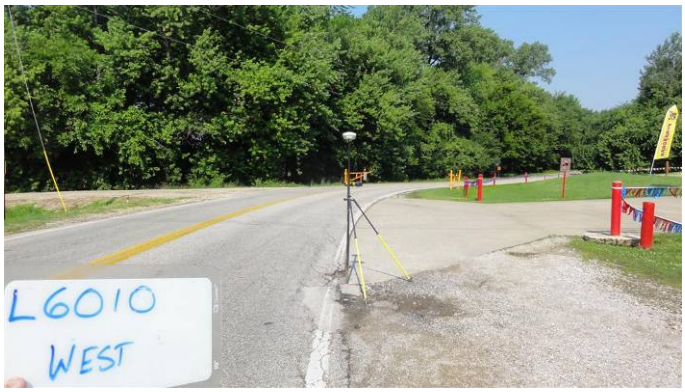


**Photo:**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6010 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6010-BE | | | Point ID | L6010-BE | | |
| NEZ | 3865322.01 | 4402472.76 | 377.17 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6010-BR | | | Point ID | L6010-BR | | |
| NEZ | 3864888.64 | 4402435.11 | 364.45 | | | | |

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6010 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6010-FA | | | Point ID | L6010-FA | | |
| NEZ | 3865239.85 | 4402340.88 | 369.23 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6010-HG | | | Point ID | L6010-HG | | |
| NEZ | 3865226.49 | 4402390.37 | 371.03 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6010 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6010-UA | | | Point ID | L6010-UA | | |
| NEZ | 3865321.36 | 4402422.11 | 377.56 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L6017-ALT |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IN | COUNTY: | Vanderburgh | QUAD: | Evansville South |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3883643.96 | ELEVATION | ELLIPSOID |
| EASTING: | 4387838.28 | 378.08 | 276.50 |

| RECEIVER MODEL: | TRMR8_GNSS |
|---|---|
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/25/2013 | START TIME: | 15:33:46 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 176 | END TIME: | 15:35:53 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | | |
|---|---|---|---|---|
| MTRS/FT | | | | |
| | MEASURED | | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | | |
|---|---|---|---|---|
| MTRS/FT | 2.000 | | Meters | |
| | MEASURED | | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

CL SE EDGE CONC SIDEWALK

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

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| --- | --- |
| POINT ID: | L6017-ALT |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6017-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6017-ALT-BE | | | Point ID | L6017-ALT-BE | | |
| NEZ | 3883681.79 | 4387831.23 | 379.71 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6017-ALT-BR | | | Point ID | L6017-ALT-BR | | |
| NEZ | 3883708.44 | 4387766.27 | 378.60 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6017-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6017-ALT-FA | | | Point ID | L6017-ALT-FA | | |
| NEZ | 3883500.35 | 4387819.33 | 379.93 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6017-ALT-HG | | | Point ID | L6017-ALT-HG | | |
| NEZ | 3883819.64 | 4387823.99 | 377.36 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L6017-ALT |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6017-ALT-UA | | | Point ID | L6017-ALT-UA | | |
| NEZ | 3883570.17 | 4387858.67 | 379.42 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L6021 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Henderson | QUAD: | Smith Mills |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3844567.60 | ELEVATION | ELLIPSOID |
| EASTING: | 4334140.13 | 365.96 | 265.75 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 13:19:01 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 13:21:01 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

W RD EDGE @ SE CNR OF DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L6021 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6021 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6021-BE | | | Point ID | L6021-BE | | |
| NEZ | 3844556.20 | 4334127.23 | 365.37 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6021-BR | | | Point ID | L6021-BR | | |
| NEZ | 3844493.52 | 4334166.54 | 365.49 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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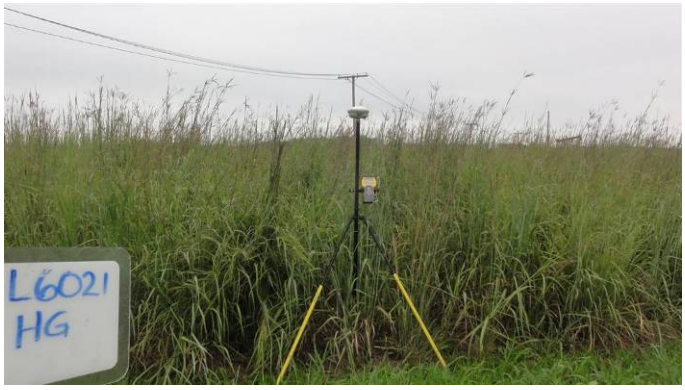
| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L6021 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6021-FA | | | Point ID | L6021-FA | | |
| NEZ | 3844422.77 | 4334158.00 | 365.12 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6021-HG | | | Point ID | L6021-HG | | |
| NEZ | 3844544.68 | 4334097.39 | 365.18 | | | | |



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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L6021 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L6021-UA | | |
| NEZ | 3844521.34 | 4334145.06 | 365.72 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L6021-UA | | |
| | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| | | | |

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| GPS CONTROL SURVEY FIELD DATA SHEET |
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| PAGE |
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| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| POINT ID: | L6034 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | IN | COUNTY: | Posey | QUAD: | Mount Vernon |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3866905.17 | ELEVATION | ELLIPSOID |
| EASTING: | 4297082.51 | 386.68 | 286.61 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/25/2013 | START TIME: | 16:31:56 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 176 | END TIME: | 16:34:59 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE EDGE RD @ NW EDGE GRAVEL DRIVE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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| POINT ID: | L6034 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L6034 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6034-BE | | | Point ID | L6034-BE | | |
| NEZ | 3866885.83 | 4297089.60 | 386.59 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6034-BR | | | Point ID | L6034-BR | | |
| NEZ | 3867605.62 | 4297926.02 | 380.55 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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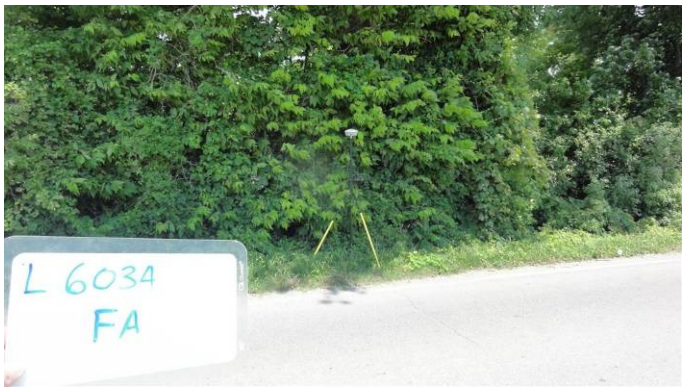
|---|---|
| AREA ID: | L6034 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6034-FA | | | Point ID | L6034-FA | | |
| NEZ | 3867529.04 | 4297838.67 | 382.04 | | | | |




| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6034-HG | | | Point ID | L6034-HG | | |
| NEZ | 3867363.75 | 4297851.53 | 382.07 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

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|---|---|
| AREA ID: | L6034 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L6034-UA | | | Point ID | L6034-UA | | |
| NEZ | 3866876.22 | 4297048.38 | 386.91 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L7151 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Daviess | QUAD: | Maceo |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3809548.24 | ELEVATION | ELLIPSOID |
| EASTING: | 4563293.08 | 434.47 | 332.77 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/24/2013 | START TIME: | 19:28:08 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 175 | END TIME: | 19:30:01 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

SE CNR OF GRASS @ RD ISECT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
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| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | L7151 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L7151 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7151-BE | | | Point ID | L7151-BE | | |
| NEZ | 3809559.24 | 4563262.06 | 433.30 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7151-BR | | | Point ID | L7151-BR | | |
| NEZ | 3809585.28 | 4563213.27 | 431.69 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
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| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L7151 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7151-FA | | | Point ID | L7151-FA | | |
| NEZ | 3809563.03 | 4563324.31 | 434.64 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7151-HG | | | Point ID | L7151-HG | | |
| NEZ | 3809632.90 | 4563213.80 | 433.26 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L7151 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7151-UA | | | Point ID | L7151-UA | | |
| NEZ | 3809535.48 | 4563239.19 | 432.68 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L7241 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Hancock | QUAD: | Maceo |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3825866.96 | ELEVATION | ELLIPSOID |
| EASTING: | 4596050.76 | 418.64 | 316.03 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| SESSION | DATE: | 06/24/2013 | START TIME: | 15:53:24 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 175 | END TIME: | 15:58:15 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

N EDGE RD @ CL CUVERT

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L7241 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

**Photo:**

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L7241 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7241-BE | | | Point ID | L7241-BE | | |
| NEZ | 3825840.44 | 4596156.87 | 416.04 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7241-BR | | | Point ID | L7241-BR | | |
| NEZ | 3825903.76 | 4596008.82 | 412.98 | | | | |

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| LiDAR Truing Points FIELD DATA SHEET |
|---|

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L7241 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7241-FA | | | Point ID | L7241-FA | | |
| NEZ | 3825818.97 | 4596325.40 | 419.81 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7241-HG | | | Point ID | L7241-HG | | |
| NEZ | 3825888.92 | 4596114.71 | 413.92 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L7241 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L7241-UA | | | Point ID | L7241-UA | | |
| NEZ | 3825861.72 | 4596193.78 | 417.96 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | | | | Point ID | | | |
| NEZ | | | | | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L50061 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | Union | QUAD: | Dekoven |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161142 |

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3740877.86 | ELEVATION | ELLIPSOID |
| EASTING: | 4247721.63 | 383.07 | 285.41 |

| SESSION | DATE: | 08/06/2013 | START TIME: | 18:02:31 | X | UTC |
|---|---|---|---|---|---|---|
| KYVRS | DAY OF YEAR: | 218 | END TIME: | 18:04:30 | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.000 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

NE EDGE PVMT @ COLOR CHANGE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

Photo:

Photo:

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**GPS CONTROL SURVEY FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | L50061 |
| Proj. No.: | 7145-003 |

**Photo:**

**Photo:**

**Photo:**

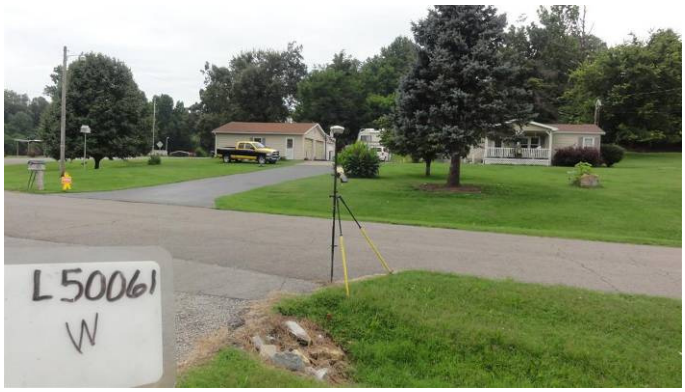


**Photo:**

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50061 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50061-BE | | | Point ID | L50061-BE | | |
| NEZ | 3740891.81 | 4247765.55 | 381.86 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50061-BR | | | Point ID | L50061-BR | | |
| NEZ | 3740864.81 | 4247840.46 | 381.71 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 2 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50061 |
| Proj. No.: | 7145-003 |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50061-FA | | | Point ID | L50061-FA | | |
| NEZ | 3740904.10 | 4247870.90 | 379.92 | | | | |

| Photo: | | | | Photo: | | | |
|---|---|---|---|---|---|---|---|
| Point ID | L50061-HG | | | Point ID | L50061-HG | | |
| NEZ | 3740855.97 | 4247911.10 | 378.75 | | | | |

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**LiDAR Truing Points**
**FIELD DATA SHEET**

| PAGE |
|---|
| 3 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| AREA ID: | L50061 |
| Proj. No.: | 7145-003 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L50061-UA | | |
| NEZ | 3740892.37 | 4247810.03 | 382.37 |

| Photo: | | | |
|---|---|---|---|
| Point ID | L50061-UA | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |
| NEZ | | | |

| Photo: | | | |
|---|---|---|---|
| Point ID | | | |

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# GPS CONTROL SURVEY FIELD DATA SHEET

| PAGE |
|---|
| 1 |

| JOB REFERENCE |
|---|
| Kentucky Statewide |

| | |
|---|---|
| POINT ID: | PAH TSM 1 |
| Proj. No.: | 7145-003 |

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

| STATE: | KY | COUNTY: | McCracken | QUAD: | Heath |
|---|---|---|---|---|---|

| OPERATOR: | B. Novy |
|---|---|

| | NAD83 KY Single Zone (USFt) | NAVD88 | GEOID 09 |
|---|---|---|---|
| NORTHING: | 3559912.47 | ELEVATION | ELLIPSOID |
| EASTING: | 4040016.08 | 395.83 | 302.69 |

| | |
|---|---|
| RECEIVER MODEL: | TRMR8_GNSS |
| RECEIVER S/N: | 4849161172 |

| SESSION | DATE: | | START TIME: | | X | UTC |
|---|---|---|---|---|---|---|
| OPUS | DAY OF YEAR: | 190-192 | END TIME: | | | LOCAL |

| ANTENNA HEIGHT (SLANT) | | | |
|---|---|---|---|
| MTRS/FT | | | |
| | MEASURED | | FIXED HGT. |

| ANTENNA | |
|---|---|
| RADIUS (M): | |
| Antenna Serial #: | N/A |
| Antenna Type: | INTEGRAED |

| ANTENNA HEIGHT (ARP) | | | |
|---|---|---|---|
| MTRS/FT | 2.152 | Meters | |
| | MEASURED | X | FIXED HGT. |

| TOP OF MONUMENT IS: | | X | FLUSH |
|---|---|---|---|
| METERS/ FEET | | | ABOVE GROUND |
| METERS/ FEET | | | BELOW GROUND |

RTK BASE

| | | | |
|---|---|---|---|
| | AERIAL TARGET | | PHOTO I.D. |
| | PUB. BENCH MARK | X | NEW CONTROL |
| | PUB. CONTROL | | BASE STATION |

| Photo: | Photo: |
|---|---|
| | |

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**GPS CONTROL SURVEY FIELD DATA SHEET**



| JOB REFERENCE |
| --- |
| Kentucky Statewide |

| | |
| --- | --- |
| POINT ID: | PAH TSM 1 |
| Proj. No.: | 7145-003 |

| Photo: | Photo: |
| --- | --- |
| | |
| **Photo:** | **Photo:** |
| | |

```
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 AC5745 ***********************************************************************
 AC5745  CBN         -  This is a Cooperative Base Network Control Station.
 AC5745  PACS        -  This is a Primary Airport Control Station.
 AC5745  DESIGNATION -  CEY A
 AC5745  PID         -  AC5745
 AC5745  STATE/COUNTY-  KY/CALLOWAY
 AC5745  COUNTRY     -  US
 AC5745  USGS QUAD   -  KIRKSEY (1981)
 AC5745
 AC5745                        *CURRENT SURVEY CONTROL
 AC5745  ___________________________________________________________________
 AC5745* NAD 83(2007) POSITION- 36 39 40.29252(N) 088 22 36.79785(W)   ADJUSTED
 AC5745* NAD 83(2007) ELLIP HT-   145.221 (meters)        (02/10/07)   ADJUSTED
 AC5745* NAD 83(2007) EPOCH   -  2002.00
 AC5745* NAVD 88 ORTHO HEIGHT -   173.80   (meters)     570.2   (feet) GPS OBS
 AC5745  ___________________________________________________________________
 AC5745  NAVD 88 orthometric height was determined with geoid model    GEOID93
 AC5745  GEOID HEIGHT    -        -28.77  (meters)                     GEOID93
 AC5745  GEOID HEIGHT    -        -28.57  (meters)                     GEOID09
 AC5745  NAD 83(2007) X  -    145,098.269 (meters)                     COMP
 AC5745  NAD 83(2007) Y  - -5,120,592.984 (meters)                     COMP
 AC5745  NAD 83(2007) Z  -  3,787,385.248 (meters)                     COMP
 AC5745  LAPLACE CORR    -         -2.84  (seconds)                    DEFLEC09
 AC5745
 AC5745  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 AC5745  Type                                          Horiz  Ellip  Dist(km)
 AC5745  ----------------------------------------------------------------
 AC5745  NETWORK                                        0.59   1.25
 AC5745  ----------------------------------------------------------------
 AC5745  MEDIAN LOCAL ACCURACY AND DIST (038 points)   0.77   1.50     75.55
 AC5745  ----------------------------------------------------------------
 AC5745  NOTE: Click here for information on individual local accuracy
 AC5745  values and other accuracy information.
 AC5745
 AC5745
 AC5745.This mark is at Kyle-Oakley Field Airport (CEY)
 AC5745
 AC5745.The horizontal coordinates were established by GPS observations
 AC5745.and adjusted by the National Geodetic Survey in February 2007.
 AC5745
 AC5745.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AC5745.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 AC5745
 AC5745.The horizontal coordinates are valid at the epoch date displayed above
 AC5745.which is a decimal equivalence of Year/Month/Day.
 AC5745
 AC5745.The orthometric height was determined by GPS observations and a
 AC5745.high-resolution geoid model.
 AC5745
 AC5745.GPS derived orthometric heights for airport stations designated as
 AC5745.PACS or SACS are published to 2 decimal places.  This maintains
 AC5745.centimeter relative accuracy between the PACS and SACS.  It does
 AC5745.not indicate centimeter accuracy relative to other marks which are
 AC5745.part of the NAVD 88 network.
 AC5745
 AC5745.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AC5745
 AC5745.The Laplace correction was computed from DEFLEC09 derived deflections.
 AC5745
 AC5745.The ellipsoidal height was determined by GPS observations
 AC5745.and is referenced to NAD 83.
 AC5745
 AC5745. The following values were computed from the NAD 83(2007) position.
 AC5745
 AC5745;                    North         East     Units Scale Factor Converg.
```

```
AC5745;SPC KY1Z     - 1,039,694.638 1,265,143.952   MT  1.00012772   -1 36 46.1
AC5745;SPC KY1Z     - 3,411,064.82  4,150,726.45   sFT  1.00012772   -1 36 46.1
AC5745;SPC KY S     -   539,648.789   265,169.932   MT  1.00001388   -1 35 35.2
AC5745;SPC KY S     - 1,770,497.74    869,978.35   sFT  1.00001388   -1 35 35.2
AC5745;UTM  16      - 4,058,171.344   376,945.047   MT  0.99978656   -0 49 20.0
AC5745
AC5745!             -  Elev Factor  x  Scale Factor =   Combined Factor
AC5745!SPC KY1Z     -   0.99997721  x   1.00012772  =   1.00010493
AC5745!SPC KY S     -   0.99997721  x   1.00001388  =   0.99999109
AC5745!UTM  16      -   0.99997721  x   0.99978656  =   0.99976377
AC5745
AC5745                          SUPERSEDED SURVEY CONTROL
AC5745
AC5745  ELLIP H (11/03/04)  145.224  (m)                        GP(       ) 3 1
AC5745  NAD 83(1993)-  36 39 40.29321(N)    088 22 36.79883(W) AD(       ) B
AC5745  ELLIP H (01/09/97)  145.200  (m)                        GP(       ) 4 1
AC5745
AC5745.Superseded values are not recommended for survey control.
AC5745.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AC5745.See file dsdata.txt to determine how the superseded data were derived.
AC5745
AC5745_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SCF7694558171(NAD 83)
AC5745
AC5745_MARKER: I = METAL ROD
AC5745_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
AC5745_STAMPING: CEY A
AC5745_MARK LOGO: NGS
AC5745_MAGNETIC: N = NO MAGNETIC MATERIAL
AC5745_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AC5745_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AC5745+SATELLITE: SATELLITE OBSERVATIONS - June 02, 2010
AC5745
AC5745  HISTORY     - Date     Condition        Report By
AC5745  HISTORY     - 1995     MONUMENTED       LOWE
AC5745  HISTORY     - 19960729 GOOD             NGS
AC5745  HISTORY     - 20021218 GOOD             WOOLPT
AC5745  HISTORY     - 20100602 GOOD             GRWAS
AC5745
AC5745                          STATION DESCRIPTION
AC5745
AC5745'DESCRIBED BY LOWE ENGINEERS 1995 (LDS)
AC5745'STATION IS LOCATED ABOUT 9.0 KM (5.60 MI) NORTHWEST OF MURRAY AT KYLE
AC5745'FIELD, MURRAY CALLOWAY AIRPORT.  AIRPORT MANAGER JOHNNY W.PARKER
AC5745'TELEPHONE NUMBER 502-489-2414.  TO REACH STATION FROM THE JUNCTION OF
AC5745'STATE HIGHWAY 121 ON THE NORTH SIDE OF MURRAY, GO NORTHWEST ON STATE
AC5745'HIGHWAY 121 FOR 4.2 KM (2.60 MI) TO JUNCTION OF STATE HIGHWAY 783 ON
AC5745'THE RIGHT.  TURN RIGHT AND GO NORTH ON STATE HIGHWAY 783 FOR 3.9 KM
AC5745'(2.40 MI) TO THE JUNCTION OF THE AIRPORT ENTRANCE ON THE LEFT.  TURN
AC5745'LEFT AND GO WEST ON ENTRANCE ROAD 0.89 KM (0.55 MI) TO AIRPORT OFFICE
AC5745'AND GATE TO THE RIGHT.  PASS THROUGH GATE AND GO NORTHWEST ACROSS
AC5745'APRON TO THE RAMP AND JUNCTION OF A TAXIWAY, TURN LEFT AND GO
AC5745'SOUTHWEST 0.6 KM (0.35 MI) TO STATION ON THE RIGHT IN THE GRASS
AC5745'BETWEEN THE TAXIWAY AND RUNWAY.  THE STATION IS THE TOP CENTER OF A
AC5745'STAINLESS STEEL ROD DRIVEN TO REFUSAL TO DEPTH OF 13.4 M (44.0 FT) IN
AC5745'A 2.5 CM GREASE FILLED FLUTED PLASTIC SLEEVE 90 CM LONG ENCASED IN A
AC5745'16 CM PVC PIPE WITH AN NGS LOGO CAP SURROUNDED BY CONCRETE.  THE LOGO
AC5745'CAP AND CONCRETE ARE SET FLUSH WITH THE GROUND.  THE STATION IS 49.4 M
AC5745'(162.1 FT) NORTHEAST FROM THE CENTERLINE OF RAMP AT HOLD LINE.  46.9 M
AC5745'(153.9 FT) SOUTHEAST FROM THE CENTERLINE OF THE RUNWAY.  40.2 M (131.9
AC5745'FT) NORTHWEST FROM CENTERLINE OF TAXIWAY.  32.6 M (107.0 FT) EAST-
AC5745'SOUTHEAST FROM FIRST RUNWAY LIGHT.  THIS STATION IS A PRIMARY AIRPORT
AC5745'CONTROL STATION.
AC5745
AC5745                          STATION RECOVERY (1996)
AC5745
AC5745'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (AJL)
```

```
 AC5745'RECOVERED AS DESCRIBED. STATION IS LOCATED ABOUT 9.0 KM (5.60 MI)
 AC5745'NORTHWEST OF MURRAY AT KYLE FIELD, MURRAY CALLOWAY AIRPORT.  AIRPORT
 AC5745'MANAGER JOHNNY W.PARKER TELEPHONE NUMBER 502-489-2414. THIS STATION IS
 AC5745'A PRIMARY AIRPORT CONTROL STATION.
 AC5745
 AC5745                          STATION RECOVERY (2002)
 AC5745
 AC5745'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2002 (CSM)
 AC5745'STATION RECOVERED AS DESCIBED WITH THESE CHANGES...
 AC5745'
 AC5745'PHONE AREA CODE IS NOW 270. STATE HIGHWAY 783 IS NOW SR 73. ENTRANCE
 AC5745'ROAD NOW CALLED AIRPORT ROAD. STATION IS 166 FT SE FROM CENTERLINE OF
 AC5745'RUNWAY, AND 108.3 FT ESE FROM FIRST RUNWAY LIGHT.
 AC5745
 AC5745                          STATION RECOVERY (2010)
 AC5745
 AC5745'RECOVERY NOTE BY GRW AERIAL SURVEY 2010 (BN)
 AC5745'RECOVERED IN GOOD CONDITION.
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 GD0492 ***********************************************************************
```

```
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 DG7967 ***********************************************************************
 DG7967  FBN         -  This is a Federal Base Network Control Station.
 DG7967  DESIGNATION -  FBN DOWELL
 DG7967  PID         -  DG7967
 DG7967  STATE/COUNTY-  KY/GRAVES
 DG7967  COUNTRY     -  US
 DG7967  USGS QUAD   -  HICKORY (1994)
 DG7967
 DG7967                        *CURRENT SURVEY CONTROL
 DG7967  ___________________________________________________________________
 DG7967* NAD 83(2007) POSITION- 36 51 17.01235(N) 088 39 41.89814(W)   ADJUSTED
 DG7967* NAD 83(2007) ELLIP HT-   108.209 (meters)        (02/10/07)   ADJUSTED
 DG7967* NAD 83(2007) EPOCH   -  2002.00
 DG7967* NAVD 88 ORTHO HEIGHT -   136.5    (meters)     448.    (feet) GPS OBS
 DG7967  ___________________________________________________________________
 DG7967  NAVD 88 orthometric height was determined with geoid model    GEOID03
 DG7967  GEOID HEIGHT    -        -28.33  (meters)                     GEOID03
 DG7967  GEOID HEIGHT    -        -28.34  (meters)                     GEOID09
 DG7967  NAD 83(2007) X  -    119,347.231 (meters)                     COMP
 DG7967  NAD 83(2007) Y  - -5,108,371.866 (meters)                     COMP
 DG7967  NAD 83(2007) Z  -  3,804,570.169 (meters)                     COMP
 DG7967  LAPLACE CORR    -         -2.51  (seconds)                    DEFLEC09
 DG7967
 DG7967  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 DG7967  Type                                          Horiz  Ellip  Dist(km)
 DG7967  ----------------------------------------------------------------------
 DG7967  NETWORK                                        0.69   1.23
 DG7967  ----------------------------------------------------------------------
 DG7967  MEDIAN LOCAL ACCURACY AND DIST (029 points)   0.81   1.47     56.34
 DG7967  ----------------------------------------------------------------------
 DG7967  NOTE: Click here for information on individual local accuracy
 DG7967  values and other accuracy information.
 DG7967
 DG7967
 DG7967.The horizontal coordinates were established by GPS observations
 DG7967.and adjusted by the National Geodetic Survey in February 2007.
 DG7967
 DG7967.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 DG7967.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 DG7967
 DG7967.The horizontal coordinates are valid at the epoch date displayed above
 DG7967.which is a decimal equivalence of Year/Month/Day.
 DG7967
 DG7967.The orthometric height was determined by GPS observations and a
 DG7967.high-resolution geoid model.
 DG7967
 DG7967.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 DG7967
 DG7967.The Laplace correction was computed from DEFLEC09 derived deflections.
 DG7967
 DG7967.The ellipsoidal height was determined by GPS observations
 DG7967.and is referenced to NAD 83.
 DG7967
 DG7967. The following values were computed from the NAD 83(2007) position.
 DG7967
 DG7967;                    North         East     Units Scale Factor Converg.
 DG7967;SPC KY1Z     - 1,061,918.638 1,240,363.863   MT  1.00006254   -1 47 15.5
 DG7967;SPC KY1Z     - 3,483,978.06  4,069,427.11   sFT  1.00006254   -1 47 15.5
 DG7967;SPC KY S     -   561,861.629   240,384.222   MT  0.99998018   -1 45 56.9
 DG7967;SPC KY S     - 1,843,374.36    788,660.57   sFT  0.99998018   -1 45 56.9
 DG7967;UTM  16      - 4,080,045.367   351,867.277   MT  0.99987033   -0 59 48.5
 DG7967
 DG7967!             -  Elev Factor  x  Scale Factor =   Combined Factor
 DG7967!SPC KY1Z     -   0.99998302  x   1.00006254  =   1.00004556
 DG7967!SPC KY S     -   0.99998302  x   0.99998018  =   0.99996320
```

```
 DG7967!UTM  16      -   0.99998302  x   0.99987033  =   0.99985335
 DG7967
 DG7967                          SUPERSEDED SURVEY CONTROL
 DG7967
 DG7967  NAD 83(1993)-  36 51 17.01213(N)    088 39 41.89830(W) AD(       ) A
 DG7967  ELLIP H (11/03/04)  108.207  (m)                       GP(       ) 3 1
 DG7967
 DG7967.Superseded values are not recommended for survey control.
 DG7967.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 DG7967.See file dsdata.txt to determine how the superseded data were derived.
 DG7967
 DG7967_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SCF5186780045(NAD 83)
 DG7967
 DG7967_MARKER: DH = HORIZONTAL CONTROL DISK
 DG7967_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 DG7967_STAMPING: FBN DOWELL 2002
 DG7967_MARK LOGO: NGS
 DG7967_PROJECTION: FLUSH
 DG7967_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT
 DG7967_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 DG7967+STABILITY: SURFACE MOTION
 DG7967_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 DG7967+SATELLITE: SATELLITE OBSERVATIONS - November 12, 2002
 DG7967
 DG7967  HISTORY     - Date     Condition        Report By
 DG7967  HISTORY     - 20021112 MONUMENTED       KYTC
 DG7967
 DG7967                           STATION DESCRIPTION
 DG7967
 DG7967'DESCRIBED BY KENTUCKY TRANSPORTATION CABINET 2002 (CSM)
 DG7967'LOCATED IN GRAVES CO. IN WEST VIOLA, 16 MILES S OF PADUCAH, 7.9 MILES
 DG7967'N OF MAYFIELD AND  17.3 MILES W OF BENTON.
 DG7967'
 DG7967'STATION IS LOCATED IN THE R/W OF PROPERTY OWNED BY KYTC.
 DG7967'
 DG7967'TO REACH FROM THE INTERSECTION OF I-24 (EXIT 7) AND US 45 IN PADUCAH,
 DG7967'GO S ON US 45 FOR 13.8  MILES TO KY 408, TURN LEFT (EAST) ON KY 408
 DG7967'FOR 0.25 MILE TO KY 1241 AND STATION IN SE  QUADRANT OF INTERSECTION
 DG7967'OF KY 408 AND KY 1241, AT THE KYTC RESIDENT ENGINEERS OFFICE.
 DG7967'
 DG7967'STATION IS AN NGS HORIZONTAL DISK SET IN A 10 IN DIAMETER POURED
 DG7967'CONCRETE POST FLUSH  WITH GROUND, 9.6 M S FROM FLAGPOLE, 18.4 M W FROM
 DG7967'SW CORNER OF BUILDING, 17.7 M E FROM CL  OF KY 1241, 29.1 M NW FROM
 DG7967'UTILITY POLE.
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 DG7968 ***********************************************************************
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1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 DG8007 ***********************************************************************
 DG8007  FBN         -  This is a Federal Base Network Control Station.
 DG8007  DESIGNATION -  FBN ORTT
 DG8007  PID         -  DG8007
 DG8007  STATE/COUNTY-  KY/LYON
 DG8007  COUNTRY     -  US
 DG8007  USGS QUAD   -  GRAND RIVERS (1993)
 DG8007
 DG8007                        *CURRENT SURVEY CONTROL
 DG8007  ___________________________________________________________________
 DG8007* NAD 83(2007) POSITION- 37 03 42.22146(N) 088 11 08.59382(W)   ADJUSTED
 DG8007* NAD 83(2007) ELLIP HT-   117.612 (meters)        (02/10/07)   ADJUSTED
 DG8007* NAD 83(2007) EPOCH   -  2002.00
 DG8007* NAVD 88 ORTHO HEIGHT -   146.5    (meters)     481.    (feet) GPS OBS
 DG8007  ___________________________________________________________________
 DG8007  NAVD 88 orthometric height was determined with geoid model    GEOID03
 DG8007  GEOID HEIGHT    -        -28.85  (meters)                     GEOID03
 DG8007  GEOID HEIGHT    -        -28.88  (meters)                     GEOID09
 DG8007  NAD 83(2007) X  -    161,337.418 (meters)                     COMP
 DG8007  NAD 83(2007) Y  - -5,093,406.699 (meters)                     COMP
 DG8007  NAD 83(2007) Z  -  3,822,932.860 (meters)                     COMP
 DG8007  LAPLACE CORR    -         -2.09  (seconds)                    DEFLEC09
 DG8007
 DG8007  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 DG8007  Type                                          Horiz  Ellip  Dist(km)
 DG8007  ------------------------------------------------------------------
 DG8007  NETWORK                                        1.11   2.02
 DG8007  ------------------------------------------------------------------
 DG8007  MEDIAN LOCAL ACCURACY AND DIST (038 points)   1.20   2.18     66.68
 DG8007  ------------------------------------------------------------------
 DG8007  NOTE: Click here for information on individual local accuracy
 DG8007  values and other accuracy information.
 DG8007
 DG8007
 DG8007.The horizontal coordinates were established by GPS observations
 DG8007.and adjusted by the National Geodetic Survey in February 2007.
 DG8007
 DG8007.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 DG8007.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 DG8007
 DG8007.The horizontal coordinates are valid at the epoch date displayed above
 DG8007.which is a decimal equivalence of Year/Month/Day.
 DG8007
 DG8007.The orthometric height was determined by GPS observations and a
 DG8007.high-resolution geoid model.
 DG8007
 DG8007.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 DG8007
 DG8007.The Laplace correction was computed from DEFLEC09 derived deflections.
 DG8007
 DG8007.The ellipsoidal height was determined by GPS observations
 DG8007.and is referenced to NAD 83.
 DG8007
 DG8007. The following values were computed from the NAD 83(2007) position.
 DG8007
 DG8007;                    North         East     Units Scale Factor Converg.
 DG8007;SPC KY1Z     - 1,083,668.159 1,283,391.294   MT  1.00000524   -1 29 43.6
 DG8007;SPC KY1Z     - 3,555,334.62  4,210,592.94   sFT  1.00000524   -1 29 43.6
 DG8007;SPC KY S     -   583,624.780   283,401.223   MT  0.99995664   -1 28 37.8
 DG8007;SPC KY S     - 1,914,775.63    929,792.18   sFT  0.99995664   -1 28 37.8
 DG8007;UTM  16      - 4,102,377.562   394,582.520   MT  0.99973690   -0 42 52.8
 DG8007
 DG8007!             -  Elev Factor  x  Scale Factor =   Combined Factor
 DG8007!SPC KY1Z     -   0.99998154  x   1.00000524  =   0.99998678
 DG8007!SPC KY S     -   0.99998154  x   0.99995664  =   0.99993818
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 DG8007!UTM  16      -   0.99998154  x   0.99973690  =   0.99971845
 DG8007
 DG8007                          SUPERSEDED SURVEY CONTROL
 DG8007
 DG8007  NAD 83(1993)-  37 03 42.22130(N)    088 11 08.59395(W) AD(       ) A
 DG8007  ELLIP H (11/03/04)  117.610  (m)                       GP(       ) 3 1
 DG8007
 DG8007.Superseded values are not recommended for survey control.
 DG8007.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 DG8007.See file dsdata.txt to determine how the superseded data were derived.
 DG8007
 DG8007_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SCG9458202377(NAD 83)
 DG8007
 DG8007_MARKER: DH = HORIZONTAL CONTROL DISK
 DG8007_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 DG8007_STAMPING: FBN ORTT 2002
 DG8007_MARK LOGO: NGS
 DG8007_PROJECTION: FLUSH
 DG8007_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT
 DG8007_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 DG8007+STABILITY: SURFACE MOTION
 DG8007_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 DG8007+SATELLITE: SATELLITE OBSERVATIONS - November 12, 2002
 DG8007
 DG8007  HISTORY     - Date     Condition        Report By
 DG8007  HISTORY     - 20021112 MONUMENTED       KYTC
 DG8007
 DG8007                           STATION DESCRIPTION
 DG8007
 DG8007'DESCRIBED BY KENTUCKY TRANSPORTATION CABINET 2002 (CSM)
 DG8007'LOCATED IN LYON CO., N OF LAKE BARKLEY, 42 MILES SW OF MADISONVILLE,
 DG8007'23 MILES E OF  PADUCAH, 32 MILES NNE OF MURRAY, ADJACENT TO ENTRANCE
 DG8007'RAMP AT TRUCK WEIGH STATION.     STATION IS LOCATED IN THE R/W OF
 DG8007'PROPERTY OWNED BY KYTC.     TO REACH FROM THE INTERSECTION OF I-24 AND
 DG8007'WESTERN KENTUCKY PARKWAY, GO W ON I-24 FOR 2  MILES TO EXIT 40 (US 62,
 DG8007'KUTTAWA), CONTINUE W ON I-24 FOR 5.6 MILES TO MILE POST 35.4 AND
 DG8007'TRUCK WEIGH STATION ON RIGHT (NORTH), GO THROUGH WEIGH STATION TO
 DG8007'ENTANCE RAMP, JUST  PAST A FENCE ENCLOSING A POND, AND STATION IN
 DG8007'GRASS ON RIGHT SIDE OF ENTRANCE RAMP.     STATION IS AN NGS HORIZONTAL
 DG8007'DISK SET IN A 10 IN DIAMETER POURED CONCRETE POST FLUSH  WITH GROUND,
 DG8007'35.7 M SW FROM NW CORNER OF FENCE AROUND POND, 12.6 M W FROM SW CORNER
 DG8007'OF POND FENCE, AND 8.4 M N FROM ENTRANCE RAMP EDGE OF PAVEMENT.
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 DG8008 ***********************************************************************
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1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 GD0099 ***********************************************************************
 GD0099  DESIGNATION -  V 22
 GD0099  PID         -  GD0099
 GD0099  STATE/COUNTY-  KY/CALLOWAY
 GD0099  COUNTRY     -  US
 GD0099  USGS QUAD   -  MURRAY (1986)
 GD0099
 GD0099                        *CURRENT SURVEY CONTROL
 GD0099  ___________________________________________________________________
 GD0099* NAD 83(2007) POSITION- 36 36 55.56814(N) 088 16 47.22823(W)   ADJUSTED
 GD0099* NAD 83(2007) ELLIP HT-   129.505 (meters)        (02/10/07)   ADJUSTED
 GD0099* NAD 83(2007) EPOCH   -  2002.00
 GD0099* NAVD 88 ORTHO HEIGHT -   158.238  (meters)     519.15  (feet) ADJUSTED
 GD0099  ___________________________________________________________________
 GD0099  NAD 83(2007) X  -    153,866.825 (meters)                      COMP
 GD0099  NAD 83(2007) Y  - -5,123,355.976 (meters)                      COMP
 GD0099  NAD 83(2007) Z  -  3,783,301.365 (meters)                      COMP
 GD0099  LAPLACE CORR    -         -2.77  (seconds)                     DEFLEC09
 GD0099  GEOID HEIGHT    -        -28.71  (meters)                      GEOID09
 GD0099  DYNAMIC HEIGHT  -        158.110 (meters)      518.73  (feet) COMP
 GD0099  MODELED GRAVITY -    979,819.8   (mgal)                       NAVD 88
 GD0099
 GD0099  VERT ORDER      -  FIRST     CLASS II
 GD0099
 GD0099  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 GD0099  Type                                          Horiz  Ellip  Dist(km)
 GD0099  ----------------------------------------------------------------
 GD0099  NETWORK                                        0.88   6.90
 GD0099  ----------------------------------------------------------------
 GD0099  MEDIAN LOCAL ACCURACY AND DIST (003 points)   0.90   6.90     22.75
 GD0099  ----------------------------------------------------------------
 GD0099  NOTE: Click here for information on individual local accuracy
 GD0099  values and other accuracy information.
 GD0099
 GD0099
 GD0099.The horizontal coordinates were established by GPS observations
 GD0099.and adjusted by the National Geodetic Survey in February 2007.
 GD0099
 GD0099.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 GD0099.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 GD0099
 GD0099.The horizontal coordinates are valid at the epoch date displayed above
 GD0099.which is a decimal equivalence of Year/Month/Day.
 GD0099
 GD0099.The orthometric height was determined by differential leveling and
 GD0099.adjusted in June 1991.
 GD0099
 GD0099.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 GD0099
 GD0099.The Laplace correction was computed from DEFLEC09 derived deflections.
 GD0099
 GD0099.The ellipsoidal height was determined by GPS observations
 GD0099.and is referenced to NAD 83.
 GD0099
 GD0099.The dynamic height is computed by dividing the NAVD 88
 GD0099.geopotential number by the normal gravity value computed on the
 GD0099.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 GD0099.degrees latitude (g = 980.6199 gals.).
 GD0099
 GD0099.The modeled gravity was interpolated from observed gravity values.
 GD0099
 GD0099. The following values were computed from the NAD 83(2007) position.
 GD0099
 GD0099;                    North         East     Units Scale Factor Converg.
 GD0099;SPC KY1Z     - 1,034,378.287 1,273,685.567   MT  1.00014476   -1 33 11.5
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GD0099;SPC KY1Z     - 3,393,622.76  4,178,750.06   sFT  1.00014476   -1 33 11.5
GD0099;SPC KY S     -   534,335.945   273,712.336   MT  1.00002349   -1 32 03.2
GD0099;SPC KY S     - 1,753,067.18    898,004.56   sFT  1.00002349   -1 32 03.2
GD0099;UTM  16      - 4,052,975.181   385,556.047   MT  0.99976136   -0 45 48.2
GD0099
GD0099!             -  Elev Factor  x  Scale Factor =   Combined Factor
GD0099!SPC KY1Z     -   0.99997968  x   1.00014476  =   1.00012443
GD0099!SPC KY S     -   0.99997968  x   1.00002349  =   1.00000317
GD0099!UTM  16      -   0.99997968  x   0.99976136  =   0.99974104
GD0099
GD0099                          SUPERSEDED SURVEY CONTROL
GD0099
GD0099  NAD 83(1993)-  36 36 55.56889(N)    088 16 47.22913(W) AD(       ) 1
GD0099  ELLIP H (01/09/97)  129.495  (m)                       GP(       ) 4 1
GD0099  NAVD 88 (01/09/97)  158.24   (m)          519.2    (f) LEVELING    3
GD0099  NGVD 29 (??/??/??)  158.284  (m)          519.30   (f) ADJUSTED    1 2
GD0099
GD0099.Superseded values are not recommended for survey control.
GD0099.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
GD0099.See file dsdata.txt to determine how the superseded data were derived.
GD0099
GD0099_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SCF8555652975(NAD 83)
GD0099
GD0099_MARKER: DB = BENCH MARK DISK
GD0099_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
GD0099_SP_SET: CONCRETE POST
GD0099_STAMPING: V 22 1934
GD0099_MARK LOGO: CGS
GD0099_MAGNETIC: N = NO MAGNETIC MATERIAL
GD0099_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
GD0099+STABILITY: SURFACE MOTION
GD0099_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
GD0099+SATELLITE: SATELLITE OBSERVATIONS - June 04, 2010
GD0099
GD0099  HISTORY     - Date     Condition        Report By
GD0099  HISTORY     - 1934     MONUMENTED       CGS
GD0099  HISTORY     - 1946     GOOD             CGS
GD0099  HISTORY     - 1971     GOOD             NGS
GD0099  HISTORY     - 19920701 GOOD             LOCENG
GD0099  HISTORY     - 19951120 GOOD             LOWE
GD0099  HISTORY     - 20010221 GOOD             LOCSUR
GD0099  HISTORY     - 20010820 GOOD             KYDT
GD0099  HISTORY     - 20040615 GOOD             USACE
GD0099  HISTORY     - 20100604 GOOD             GRWAS
GD0099
GD0099                          STATION DESCRIPTION
GD0099
GD0099'DESCRIBED BY COAST AND GEODETIC SURVEY 1946
GD0099'1.4 MI NE FROM MURRAY.
GD0099'ABOUT 1.0 MILE EAST ALONG STATE HIGHWAY 94 FROM MURRAY, CALLOWAY
GD0099'COUNTY, AT THE TOP OF THE FIRST HILL, ABOUT 150 FEET WEST OF THE
GD0099'FARMHOUSE OF L. LOVETT, 60 FEET NORTHEAST OF A BARN, 15 FEET
GD0099'NORTH OF THE HIGHWAY, AND 10 FEET SOUTH OF A GATE TO THE BARNYARD.
GD0099'A STANDARD DISK, STAMPED V 22 1934 AND SET IN THE TOP OF A
GD0099'CONCRETE POST.
GD0099
GD0099                          STATION RECOVERY (1971)
GD0099
GD0099'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1971
GD0099'RECOVERED IN GOOD CONDITION.
GD0099
GD0099                          STATION RECOVERY (1992)
GD0099
GD0099'RECOVERY NOTE BY LOCAL ENGINEER (INDIVIDUAL OR FIRM) 1992
GD0099'RECOVERED IN GOOD CONDITION.
GD0099
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 GD0099                          STATION RECOVERY (1995)
 GD0099
 GD0099'RECOVERY NOTE BY LOWE ENGINEERS 1995 (LDS)
 GD0099'RECOVERED AS DESCRIBED.
 GD0099
 GD0099                          STATION RECOVERY (2001)
 GD0099
 GD0099'RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 2001 (AWS)
 GD0099'RECOVERED AS DESCRIBED
 GD0099
 GD0099                          STATION RECOVERY (2001)
 GD0099
 GD0099'RECOVERY NOTE BY KENTUCKY DEPARTMENT OF TRANSPORTATION 2001 (JG)
 GD0099'RECOVERED IN GOOD CONDITION.
 GD0099
 GD0099                          STATION RECOVERY (2004)
 GD0099
 GD0099'RECOVERY NOTE BY US ARMY CORPS OF ENGINEERS 2004 (DLB)
 GD0099'RECOVERED IN GOOD CONDITION.
 GD0099
 GD0099                          STATION RECOVERY (2010)
 GD0099
 GD0099'RECOVERY NOTE BY GRW AERIAL SURVEY 2010 (BN)
 GD0099'RECOVERED IN GOOD CONDITION.
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 GZ1144 ***********************************************************************
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1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 HA0662 ***********************************************************************
 HA0662  DESIGNATION -  T 333 RESET
 HA0662  PID         -  HA0662
 HA0662  STATE/COUNTY-  KY/DAVIESS
 HA0662  COUNTRY     -  US
 HA0662  USGS QUAD   -  OWENSBORO WEST (1980)
 HA0662
 HA0662                        *CURRENT SURVEY CONTROL
 HA0662  ___________________________________________________________________
 HA0662* NAD 83(2007) POSITION- 37 45 18.75423(N) 087 09 21.41439(W)   ADJUSTED
 HA0662* NAD 83(2007) ELLIP HT-    95.065 (meters)        (02/10/07)   ADJUSTED
 HA0662* NAD 83(2007) EPOCH   -  2002.00
 HA0662* NAVD 88 ORTHO HEIGHT -   125.88   (meters)     413.0   (feet) RESET
 HA0662  ___________________________________________________________________
 HA0662  NAD 83(2007) X  -    250,528.926 (meters)                     COMP
 HA0662  NAD 83(2007) Y  - -5,042,967.250 (meters)                     COMP
 HA0662  NAD 83(2007) Z  -  3,884,056.006 (meters)                     COMP
 HA0662  LAPLACE CORR    -         -1.59  (seconds)                    DEFLEC09
 HA0662  GEOID HEIGHT    -        -30.80  (meters)                     GEOID09
 HA0662  VERT ORDER      -  THIRD
 HA0662
 HA0662  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 HA0662  Type                                          Horiz  Ellip  Dist(km)
 HA0662  ------------------------------------------------------------------
 HA0662  NETWORK                                        0.54   0.78
 HA0662  ------------------------------------------------------------------
 HA0662  MEDIAN LOCAL ACCURACY AND DIST (001 points)   0.37   0.35      1.22
 HA0662  ------------------------------------------------------------------
 HA0662  NOTE: Click here for information on individual local accuracy
 HA0662  values and other accuracy information.
 HA0662
 HA0662
 HA0662.The horizontal coordinates were established by GPS observations
 HA0662.and adjusted by the National Geodetic Survey in February 2007.
 HA0662
 HA0662.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 HA0662.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 HA0662
 HA0662.The horizontal coordinates are valid at the epoch date displayed above
 HA0662.which is a decimal equivalence of Year/Month/Day.
 HA0662
 HA0662.The orthometric height was computed from unverified reset data.
 HA0662
 HA0662.No vertical observational check was made to the station.
 HA0662
 HA0662.Photographs are available for this station.
 HA0662
 HA0662.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 HA0662
 HA0662.The Laplace correction was computed from DEFLEC09 derived deflections.
 HA0662
 HA0662.The ellipsoidal height was determined by GPS observations
 HA0662.and is referenced to NAD 83.
 HA0662
 HA0662. The following values were computed from the NAD 83(2007) position.
 HA0662
 HA0662;                    North         East     Units Scale Factor Converg.
 HA0662;SPC KY1Z     - 1,158,736.358 1,376,118.928   MT  0.99990717   -0 51 47.5
 HA0662;SPC KY1Z     - 3,801,620.87  4,514,816.85   sFT  0.99990717   -0 51 47.5
 HA0662;SPC KY S     -   658,716.932   376,110.740   MT  0.99997234   -0 51 09.6
 HA0662;SPC KY S     - 2,161,140.47  1,233,956.65   sFT  0.99997234   -0 51 09.6
 HA0662;UTM  16      - 4,178,667.019   486,262.752   MT  0.99960232   -0 05 43.7
 HA0662
 HA0662!             -  Elev Factor  x  Scale Factor =   Combined Factor
 HA0662!SPC KY1Z     -   0.99998508  x   0.99990717  =   0.99989225
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HA0662!SPC KY S     -   0.99998508  x   0.99997234  =   0.99995742
HA0662!UTM  16      -   0.99998508  x   0.99960232  =   0.99958741
HA0662
HA0662                          SUPERSEDED SURVEY CONTROL
HA0662
HA0662  NAD 83(1993)-  37 45 18.75383(N)    087 09 21.41476(W) AD(       ) 1
HA0662  ELLIP H (09/11/97)   95.113  (m)                       GP(       ) 4 1
HA0662  NAVD 88 (09/11/97)  125.9    (m)  GEOID96 model used   GPS OBS
HA0662  NGVD 29 (??/??/??)  125.98   (m)          413.3    (f) RESET       3
HA0662
HA0662.Superseded values are not recommended for survey control.
HA0662.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
HA0662.See file dsdata.txt to determine how the superseded data were derived.
HA0662
HA0662_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SDG8626278667(NAD 83)
HA0662
HA0662_MARKER: DB = BENCH MARK DISK
HA0662_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
HA0662_SP_SET: SET IN TOP OF CONCRETE MONUMENT
HA0662_STAMPING: T 333 RESET 1969
HA0662_MARK LOGO: CGS
HA0662_MAGNETIC: N = NO MAGNETIC MATERIAL
HA0662_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
HA0662+STABILITY: SURFACE MOTION
HA0662_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
HA0662+SATELLITE: SATELLITE OBSERVATIONS - August 07, 1996
HA0662
HA0662  HISTORY     - Date     Condition        Report By
HA0662  HISTORY     - 1969     MONUMENTED       CGS
HA0662  HISTORY     - 19960807 GOOD             NGS
HA0662  HISTORY     - 20110101 GOOD             GEOCAC
HA0662
HA0662                          STATION DESCRIPTION
HA0662
HA0662'DESCRIBED BY COAST AND GEODETIC SURVEY 1969
HA0662'2.6 MI W FROM OWENSBORO.
HA0662'THIS MARK IS ABOUT 1.6 MILES WEST ALONG U.S. HIGHWAY 54 AND STATE
HA0662'HIGHWAY 56 AND 81 (THIS IS PARRISH AVENUE) FROM THE KENTUCKY
HA0662'NATIONAL GUARD ARMORY IN OWENSBORO, ABOUT 0.35 OF A MILE EAST OF
HA0662'THE BLACKTOP ROAD LEADING SOUTH TO THE OWENSBORO-DAVIESS COUNTY
HA0662'AIRPORT, ABOUT 0.3 OF A MILE WEST OF THE ENTRANCE INTO A DRIVE-IN
HA0662'THEATRE, 150 FEET SOUTH OF THE APPROXIMATE CENTER OF THE MEDIAN
HA0662'STRIP OF RELOCATED U.S. HIGHWAY 54 AND STATE ROUTES 56 AND 81,
HA0662'77 FEET EAST OF THE APPROXIMATE CENTER OF A PAVED DRIVE LEADING
HA0662'INTO A FARM RESIDENCE, 3 FEET NORTHEAST OF A NORTHWEST FENCE
HA0662'CORNER POST, AND 1.0 FOOT WEST OF A METAL WITNESS POST AND SIGN.
HA0662'IT IS A STANDARD BENCH MARK DISK SET IN THE TOP OF A 14-INCH,
HA0662'ROUND, FLUSH, CONCRETE MONUMENT AND THE DISK IS STAMPED T 333
HA0662'RESET 1969.
HA0662
HA0662                          STATION RECOVERY (1996)
HA0662
HA0662'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (WCW)
HA0662'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 07 AUG 1996 (WCW) .
HA0662'RECOVERED IN GOOD CONDITION WITH NEW TO REACH AS FOLLOWS.  THE STATION
HA0662'IS 4.2 KM (2.60 MI) WEST OF OWENSBORO CENTER, ALONG THE SOUTH SIDE OF
HA0662'COMBINED STATE HIGHWAYS 56 AND 81 (PARRISH AVENUE) , 0.8 KM (0.50 MI)
HA0662'WEST OF STATE HIGHWAY 2698 (CARTER ROAD) , 0.56 KM (0.35 MI) EAST OF
HA0662'THE AIRPORT ROAD.  TO REACH FROM THE JUNCTION OF COMBINED STATE
HA0662'HIGHWAYS 56 AND 81 (PARRISH AVE) OVER U.S.  60 BYPASS, GO EAST ON
HA0662'COMBINED STATE HIGHWAYS 56 AND 81 FOR 0.24 KM (0.15 MI) TO PARRISH
HA0662'PLAZA DRIVE ON RIGHT.  TURN RIGHT AND GO SOUTH, THEN IMMEDIATELY TURN
HA0662'RIGHT AGAIN ONTO THE SOUTH MARGINAL ROAD AND GO WEST FOR 70.1 M (230.0
HA0662'FT) TO THE STATION ON THE LEFT. THE STATION IS 42.7 M (140.1 FT) SOUTH
HA0662'OF COMBINED STATE HIGHWAYS 56 AND 81 (PARRISH AVENUE) CENTER, 19.8 M
HA0662'(65.0 FT) SOUTH OF A FOUR FOOT TWIST WIRE FENCE, 11.1 M (36.4 FT)
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HA0662'SOUTH OF THE ASPHALT MARGINAL ROAD CENTER, 69.8 M (229.0 FT) WEST OF
HA0662'PARRISH PLAZA DRIVE CENTER, 10.0 M (32.8 FT) WEST OF THE SOUTH STEEL
HA0662'POST OF A SIGN -WHITE LIGHTNING-, AND 0.3 M (1.0 FT) WEST OF THE WEST
HA0662'EDGE OF AN ASPHALT DRIVE.  THE STATION IS ABOUT 15 CM BELOW THE
HA0662'MARGINAL ROAD AND PROJECTS 5 CM ABOVE GRADE AT THE ASPHALT DRIVE.
HA0662
HA0662                          STATION RECOVERY (2011)
HA0662
HA0662'RECOVERY NOTE BY GEOCACHING 2011 (DSA)
HA0662'MARK FOUND IN GOOD CONDITION
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1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 HA1771 ***********************************************************************
 HA1771  CBN         -  This is a Cooperative Base Network Control Station.
 HA1771  DESIGNATION -  KY 02
 HA1771  PID         -  HA1771
 HA1771  STATE/COUNTY-  KY/HOPKINS
 HA1771  COUNTRY     -  US
 HA1771  USGS QUAD   -  MADISONVILLE EAST (1978)
 HA1771
 HA1771                        *CURRENT SURVEY CONTROL
 HA1771  ___________________________________________________________________
 HA1771* NAD 83(2007) POSITION- 37 21 12.38111(N) 087 29 49.43334(W)   ADJUSTED
 HA1771* NAD 83(2007) ELLIP HT-   125.331 (meters)        (02/10/07)   ADJUSTED
 HA1771* NAD 83(2007) EPOCH   -  2002.00
 HA1771* NAVD 88 ORTHO HEIGHT -   155.425  (meters)     509.92  (feet) ADJUSTED
 HA1771  ___________________________________________________________________
 HA1771  NAD 83(2007) X  -    221,688.833 (meters)                     COMP
 HA1771  NAD 83(2007) Y  - -5,071,547.116 (meters)                     COMP
 HA1771  NAD 83(2007) Z  -  3,848,722.688 (meters)                     COMP
 HA1771  LAPLACE CORR    -         -1.66  (seconds)                    DEFLEC09
 HA1771  GEOID HEIGHT    -        -30.09  (meters)                     GEOID09
 HA1771  DYNAMIC HEIGHT  -        155.310 (meters)      509.55  (feet) COMP
 HA1771  MODELED GRAVITY -    979,888.4   (mgal)                       NAVD 88
 HA1771
 HA1771  VERT ORDER      -  SECOND    CLASS I
 HA1771
 HA1771  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 HA1771  Type                                          Horiz  Ellip  Dist(km)
 HA1771  ----------------------------------------------------------------
 HA1771  NETWORK                                        0.47   0.88
 HA1771  ----------------------------------------------------------------
 HA1771  MEDIAN LOCAL ACCURACY AND DIST (000 points)   0.00   0.00      0.00
 HA1771  ----------------------------------------------------------------
 HA1771  NOTE: Click here for information on individual local accuracy
 HA1771  values and other accuracy information.
 HA1771
 HA1771
 HA1771.This is a reference station for the KY HWY DIST 2
 HA1771.National Continuously Operating Reference Station (KYTB).
 HA1771
 HA1771.The horizontal coordinates were established by GPS observations
 HA1771.and adjusted by the National Geodetic Survey in February 2007.
 HA1771
 HA1771.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 HA1771.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 HA1771
 HA1771.The horizontal coordinates are valid at the epoch date displayed above
 HA1771.which is a decimal equivalence of Year/Month/Day.
 HA1771
 HA1771.The orthometric height was determined by differential leveling and
 HA1771.adjusted in August 2010.
 HA1771
 HA1771.No vertical observational check was made to the station.
 HA1771
 HA1771.Photographs are available for this station.
 HA1771
 HA1771.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 HA1771
 HA1771.The Laplace correction was computed from DEFLEC09 derived deflections.
 HA1771
 HA1771.The ellipsoidal height was determined by GPS observations
 HA1771.and is referenced to NAD 83.
 HA1771
 HA1771.The dynamic height is computed by dividing the NAVD 88
 HA1771.geopotential number by the normal gravity value computed on the
 HA1771.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
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HA1771.degrees latitude (g = 980.6199 gals.).
HA1771
HA1771.The modeled gravity was interpolated from observed gravity values.
HA1771
HA1771. The following values were computed from the NAD 83(2007) position.
HA1771
HA1771;                    North         East     Units Scale Factor Converg.
HA1771;SPC KY1Z     - 1,114,663.658 1,345,230.931   MT  0.99994633   -1 04 21.5
HA1771;SPC KY1Z     - 3,657,025.68  4,413,478.48   sFT  0.99994633   -1 04 21.5
HA1771;SPC KY S     -   614,636.442   345,230.847   MT  0.99994546   -1 03 34.3
HA1771;SPC KY S     - 2,016,519.73  1,132,644.87   sFT  0.99994546   -1 03 34.3
HA1771;UTM  16      - 4,134,197.559   455,978.529   MT  0.99962387   -0 18 05.7
HA1771
HA1771!             -  Elev Factor  x  Scale Factor =   Combined Factor
HA1771!SPC KY1Z     -   0.99998033  x   0.99994633  =   0.99992666
HA1771!SPC KY S     -   0.99998033  x   0.99994546  =   0.99992579
HA1771!UTM  16      -   0.99998033  x   0.99962387  =   0.99960421
HA1771
HA1771                          SUPERSEDED SURVEY CONTROL
HA1771
HA1771  ELLIP H (11/03/04)  125.324  (m)                        GP(       ) 3 1
HA1771  NAD 83(1993)-  37 21 12.38076(N)    087 29 49.43389(W) AD(       ) B
HA1771  ELLIP H (09/07/94)  125.376  (m)                        GP(       ) 4 1
HA1771  NAVD 88 (05/16/11)  155.43   (m)          509.9    (f) LEVELING    3
HA1771  NAVD 88 (09/07/94)  155.4    (m)  GEOID93 model used   GPS OBS
HA1771
HA1771.Superseded values are not recommended for survey control.
HA1771.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
HA1771.See file dsdata.txt to determine how the superseded data were derived.
HA1771
HA1771_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SDG5597834197(NAD 83)
HA1771
HA1771_MARKER: F = FLANGE-ENCASED ROD
HA1771_SETTING: 15 = METAL ROD DRIVEN INTO GROUND. SEE TEXT FOR ADDITIONAL
HA1771+WITH SETTING: INFORMATION.
HA1771_SP_SET: STAINLESS STEEL ROD IN SLEEVE
HA1771_STAMPING: KY 02 DOT 1993
HA1771_MARK LOGO: NGS
HA1771_PROJECTION: FLUSH
HA1771_MAGNETIC: I = MARKER IS A STEEL ROD
HA1771_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
HA1771_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
HA1771+SATELLITE: SATELLITE OBSERVATIONS - August 17, 2009
HA1771_ROD/PIPE-DEPTH: 2.10 meters
HA1771_SLEEVE-DEPTH  : 1.00 meters
HA1771
HA1771  HISTORY     - Date     Condition        Report By
HA1771  HISTORY     - 1993     MONUMENTED       NGS
HA1771  HISTORY     - 19940218 GOOD
HA1771  HISTORY     - 19951020 GOOD             LOWE
HA1771  HISTORY     - 20011008 GOOD             KYDT
HA1771  HISTORY     - 20030107 GOOD             WOOLPT
HA1771  HISTORY     - 20090624 GOOD             GRWAS
HA1771  HISTORY     - 20090817 GOOD             GRWAS
HA1771
HA1771                          STATION DESCRIPTION
HA1771
HA1771'DESCRIBED BY NATIONAL GEODETIC SURVEY 1993
HA1771'THE STATION IS LOCATED ABOUT 10.0 MI (16.1 KM) NORTH OF THE JUNCTION
HA1771'OF THE PENNYRILE PARKWAY AND WESTERN KENTUCKY PARKWAY, IN
HA1771'MADISONVILLE AND IN THE FRONT YARD OF THE KTC DISTRICT 2 OFFICE
HA1771'BUILDING. OWNERSHIP-KENTUCKY TRANSPORTATION CABINET.
HA1771'TO REACH THE STATION FROM THE JUNCTION OF PENNYRILE PARKWAY AND STATE
HA1771'ROUTE 281 (EXIT 44) IN MADISONVILLE, GO WEST ON STATE ROUTE 281 FOR
HA1771'0.7 MI (1.1 KM) TO STATE ROUTE 1751.  TURN RIGHT AND GO NORTH ON
HA1771'STATE ROUTE 1751 FOR 0.35 MI (0.56 KM) TO THE KTC DISTRICT 2 OFFICE
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 HA1771'AND THE STATION ON THE RIGHT.
 HA1771'LOCATED 56.3 M (184.7 FT) EAST FROM THE BLUE DISTRICT OFFICE SIGN,
 HA1771'14.35 M (47.08 FT) WEST FROM THE CENTERLINE OF DRIVE IN FRONT OF
 HA1771'BUILDING AND 14.3 M (46.9 FT) SOUTHWEST FROM THE FLAG POLE.
 HA1771
 HA1771                          STATION RECOVERY (1994)
 HA1771
 HA1771'RECOVERED 1994
 HA1771'RECOVERED IN GOOD CONDITION.
 HA1771
 HA1771                          STATION RECOVERY (1995)
 HA1771
 HA1771'RECOVERY NOTE BY LOWE ENGINEERS 1995 (GRP)
 HA1771'RECOVERED AS DESCRIBED.
 HA1771
 HA1771                          STATION RECOVERY (2001)
 HA1771
 HA1771'RECOVERY NOTE BY KENTUCKY DEPARTMENT OF TRANSPORTATION 2001 (HE)
 HA1771'RECOVERED IN GOOD CONDITION.
 HA1771
 HA1771                          STATION RECOVERY (2003)
 HA1771
 HA1771'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2003 (CSM)
 HA1771'RECOVERED AS DESCRIBED WITH THESE ADDITIONS...
 HA1771'
 HA1771'IN TO-REACH DESCRIPTION, SR 1751 IS NOW DESIGNATED AS SR 41 N.
 HA1771'
 HA1771'STATION IS 114.0 FT NW OF SW CORNER OF BUILDING, AND 52.2 FT SE OF A
 HA1771'10 INCH DIAMETER APPLE  TREE.
 HA1771
 HA1771                          STATION RECOVERY (2009)
 HA1771
 HA1771'RECOVERY NOTE BY GRW AERIAL SURVEY 2009 (JCA)
 HA1771'RECOVERED AS DESCRIBED.
 HA1771
 HA1771                          STATION RECOVERY (2009)
 HA1771
 HA1771'RECOVERY NOTE BY GRW AERIAL SURVEY 2009 (CES)
 HA1771'RECOVERED AS DESCRIBED.
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
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1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 HB0391 ***********************************************************************
 HB0391  CBN         -  This is a Cooperative Base Network Control Station.
 HB0391  DESIGNATION -  KEVIL
 HB0391  PID         -  HB0391
 HB0391  STATE/COUNTY-  KY/MCCRACKEN
 HB0391  COUNTRY     -  US
 HB0391  USGS QUAD   -  HEATH (1978)
 HB0391
 HB0391                        *CURRENT SURVEY CONTROL
 HB0391  ___________________________________________________________________
 HB0391* NAD 83(2007) POSITION- 37 04 35.49904(N) 088 52 04.39435(W)   ADJUSTED
 HB0391* NAD 83(2007) ELLIP HT-   111.174 (meters)        (02/10/07)   ADJUSTED
 HB0391* NAD 83(2007) EPOCH   -  2002.00
 HB0391* NAVD 88 ORTHO HEIGHT -   139.493  (meters)     457.65  (feet) ADJUSTED
 HB0391  ___________________________________________________________________
 HB0391  NAD 83(2007) X  -    100,665.363 (meters)                     COMP
 HB0391  NAD 83(2007) Y  - -5,093,971.573 (meters)                     COMP
 HB0391  NAD 83(2007) Z  -  3,824,239.499 (meters)                     COMP
 HB0391  LAPLACE CORR    -         -0.66  (seconds)                    DEFLEC09
 HB0391  GEOID HEIGHT    -        -28.32  (meters)                     GEOID09
 HB0391  DYNAMIC HEIGHT  -        139.390 (meters)      457.32  (feet) COMP
 HB0391  MODELED GRAVITY -    979,889.7   (mgal)                      NAVD 88
 HB0391
 HB0391  VERT ORDER      -  FIRST     CLASS I
 HB0391
 HB0391  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 HB0391  Type                                          Horiz  Ellip  Dist(km)
 HB0391  ----------------------------------------------------------------
 HB0391  NETWORK                                        0.37   0.76
 HB0391  ----------------------------------------------------------------
 HB0391  MEDIAN LOCAL ACCURACY AND DIST (062 points)   0.64   1.26     65.34
 HB0391  ----------------------------------------------------------------
 HB0391  NOTE: Click here for information on individual local accuracy
 HB0391  values and other accuracy information.
 HB0391
 HB0391
 HB0391.The horizontal coordinates were established by GPS observations
 HB0391.and adjusted by the National Geodetic Survey in February 2007.
 HB0391
 HB0391.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 HB0391.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 HB0391
 HB0391.The horizontal coordinates are valid at the epoch date displayed above
 HB0391.which is a decimal equivalence of Year/Month/Day.
 HB0391
 HB0391.The orthometric height was determined by differential leveling and
 HB0391.adjusted in June 1991.
 HB0391
 HB0391.WARNING-Repeat measurements at this control monument indicate possible
 HB0391.vertical movement.
 HB0391
 HB0391.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 HB0391
 HB0391.The Laplace correction was computed from DEFLEC09 derived deflections.
 HB0391
 HB0391.The ellipsoidal height was determined by GPS observations
 HB0391.and is referenced to NAD 83.
 HB0391
 HB0391.The dynamic height is computed by dividing the NAVD 88
 HB0391.geopotential number by the normal gravity value computed on the
 HB0391.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 HB0391.degrees latitude (g = 980.6199 gals.).
 HB0391
 HB0391.The modeled gravity was interpolated from observed gravity values.
 HB0391
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HB0391. The following values were computed from the NAD 83(2007) position.
HB0391
HB0391;                    North         East     Units Scale Factor Converg.
HB0391;SPC KY1Z     - 1,087,114.700 1,222,801.143   MT  1.00000164   -1 54 51.3
HB0391;SPC KY1Z     - 3,566,642.14  4,011,806.75   sFT  1.00000164   -1 54 51.3
HB0391;SPC KY S     -   587,049.141   222,812.692   MT  0.99995545   -1 53 27.2
HB0391;SPC KY S     - 1,926,010.39    731,011.31   sFT  0.99995545   -1 53 27.2
HB0391;UTM  16      - 4,104,993.897   333,961.333   MT  0.99993962   -1 07 34.9
HB0391
HB0391!             -  Elev Factor  x  Scale Factor =   Combined Factor
HB0391!SPC KY1Z     -   0.99998255  x   1.00000164  =   0.99998419
HB0391!SPC KY S     -   0.99998255  x   0.99995545  =   0.99993800
HB0391!UTM  16      -   0.99998255  x   0.99993962  =   0.99992217
HB0391
HB0391:                Primary Azimuth Mark                    Grid Az
HB0391:SPC KY1Z     -  KEVIL AZ MK 2                           288 31 54.5
HB0391:SPC KY S     -  KEVIL AZ MK 2                           288 30 30.4
HB0391:UTM  16      -  KEVIL AZ MK 2                           287 44 38.1
HB0391
HB0391|-----------------------------------------------------------------------|
HB0391| PID    Reference Object                     Distance      Geod. Az  |
HB0391|                                                           dddmmss.s |
HB0391| HB0390 KEVIL RM 1                           26.482 METERS 15255     |
HB0391| CI3995 KEVIL AZ MK 2                                      2863703.2 |
HB0391| HB0392 KEVIL RM 2 AZIMUTH                                 2865552.1 |
HB0391| HB1257 KEVIL RM 3                            4.360 METERS 30358     |
HB0391|-----------------------------------------------------------------------|
HB0391
HB0391                          SUPERSEDED SURVEY CONTROL
HB0391
HB0391  ELLIP H (11/03/04)  111.166  (m)                        GP(       ) 3 1
HB0391  NAD 83(1993)-  37 04 35.49878(N)    088 52 04.39455(W) AD(       ) B
HB0391  ELLIP H (09/07/94)  111.196  (m)                        GP(       ) 4 1
HB0391  NAD 83(1986)-  37 04 35.50912(N)    088 52 04.39821(W) AD(       ) 1
HB0391  NAD 27      -  37 04 35.31600(N)    088 52 04.18500(W) AD(       ) 1
HB0391  NAVD 88 (03/31/98)  139.49   (m)          457.6    (f) LEVELING    3
HB0391  NGVD 29 (??/??/??)  139.435  (m)          457.46   (f) ADJUSTED    1 1
HB0391
HB0391.Superseded values are not recommended for survey control.
HB0391.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
HB0391.See file dsdata.txt to determine how the superseded data were derived.
HB0391
HB0391_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SCG3396104993(NAD 83)
HB0391
HB0391_MARKER: DS = TRIANGULATION STATION DISK
HB0391_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
HB0391_SP_SET: CONCRETE POST
HB0391_STAMPING: KEVIL 1930
HB0391_MARK LOGO: CGS
HB0391_MAGNETIC: N = NO MAGNETIC MATERIAL
HB0391_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
HB0391+STABILITY: SURFACE MOTION
HB0391_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
HB0391+SATELLITE: SATELLITE OBSERVATIONS - July 27, 2010
HB0391
HB0391  HISTORY     - Date     Condition        Report By
HB0391  HISTORY     - 1930     MONUMENTED       CGS
HB0391  HISTORY     - 1935     GOOD             CGS
HB0391  HISTORY     - 1957     GOOD             CGS
HB0391  HISTORY     - 1968     GOOD             CGS
HB0391  HISTORY     - 1968     GOOD             CGS
HB0391  HISTORY     - 1969     GOOD             CGS
HB0391  HISTORY     - 1969     GOOD             CGS
HB0391  HISTORY     - 1976     GOOD             NGS
HB0391  HISTORY     - 19890114 GOOD             NGS
HB0391  HISTORY     - 19900214 GOOD             NGS
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HB0391  HISTORY     - 19931117 GOOD             NGS
HB0391  HISTORY     - 19940301 GOOD
HB0391  HISTORY     - 19970227 GOOD             NGS
HB0391  HISTORY     - 19970627 GOOD             NGS
HB0391  HISTORY     - 19980909 GOOD             ILDT
HB0391  HISTORY     - 20010817 GOOD             KYDT
HB0391  HISTORY     - 20010817 GOOD             KYDT
HB0391  HISTORY     - 20030106 GOOD             WOOLPT
HB0391  HISTORY     - 20031019 MARK NOT FOUND   USPSQD
HB0391  HISTORY     - 20100727 GOOD             ILDT
HB0391
HB0391                          STATION DESCRIPTION
HB0391
HB0391'DESCRIBED BY COAST AND GEODETIC SURVEY 1930 (PAS)
HB0391'ABOUT 15 MILES WEST OF PADUCAH, AND 1.1 MILES EAST OF KEVIL ON LAND
HB0391'OWNED BY EDGAR STEVENS. STATION IS ON NORTH RIGHT-OF-WAY OF
HB0391'HIGHWAY ROUTE 60, 7.49 METERS EAST OF NORTH CONCRETE RIGHT-OF-WAY
HB0391'MARKER AND 45 METERS EAST OF LOVERSVILLE AND WOODVILLE
HB0391'GRAVEL ROAD THAT LEAVES THE HIGHWAY TO THE SOUTH, AND ON SOUTH FENCE
HB0391'LINE TO FIELD.
HB0391'
HB0391'REACHED FROM PADUCAH BY U.S. HIGHWAY 60 THRU MAXON MILLS 15 MILES TO
HB0391'WITHIN 0.2 MILE OF BALLARD-MCCRACKEN COUNTY LINE.
HB0391'
HB0391'SURFACE, UNDERGROUND AND REFERENCE MARKS ARE STANDARD BRONZE DISKS
HB0391'SET IN CONCRETE.
HB0391'
HB0391'REFERENCE MARK NO. 1 IS SOUTHEAST OF STATION ON SOUTH RIGHT-OF-WAY
HB0391'LINE AND FENCE LINE.
HB0391'
HB0391'REFERENCE MARK NO. 2 IS WEST-BY-SOUTH OF STATION ON SOUTH
HB0391'RIGHT-OF-WAY AND FENCE LINE, 20.0 METERS EAST OF GATE ON SOUTH FENCE
HB0391'LINE, AND ABOUT 50 METERS WEST OF BALLARD-MCCRACKEN COUNTY LINE.
HB0391'
HB0391'HEIGHT OF SIGNAL ABOVE STATION MARK- 30 METERS.
HB0391
HB0391                          STATION RECOVERY (1935)
HB0391
HB0391'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1935 (ECB)
HB0391'SURFACE AND REFERENCE MARKERS IN GOOD CONDITION. DESCRIPTIONS EASILY
HB0391'FOLLOWED AND CORRECT.
HB0391
HB0391                          STATION RECOVERY (1957)
HB0391
HB0391'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1957 (WTJ)
HB0391'STATION RECOVERED IN GOOD CONDTION. DESCRIPTION IS COMPLETE AND
HB0391'SUFFICIENT.
HB0391
HB0391                          STATION RECOVERY (1968)
HB0391
HB0391'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1968 (GRS)
HB0391'THE STATION MARK, STAMPED KEVIL 1930, IS ABOUT 0.1 MILE SOUTH ALONG
HB0391'WALLACE AVENUE FROM THE POST OFFICE AT KEVIL, THENCE 1.15 MILES EAST
HB0391'ALONG U.S. HIGHWAY 60, 131 FEET EAST OF THE MCCRACKEN-BALLARD COUNTY
HB0391'LINE, 0.2 MILE EAST OF A PHILLIPS 66 SERVICE STATION, 30 FEET NORTH
HB0391'OF THE CENTERLINE OF THE HIGHWAY, 165 FEET EAST OF THE EXTENDED
HB0391'CENTERLINE OF A PAVED ROAD, 130 FEET EAST OF A POWER POLE WHICH
HB0391'BEARS A TRANSFORMER, 1-1/2 FEET SOUTH OF A CONCRETE HIGHWAY RIGHT OF
HB0391'WAY MARKER POST, 1.5 FEET WEST OF A METAL WITNESS POST, ABOUT 2
HB0391'FEET ABOVE THE LEVEL OF THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE
HB0391'POST WHICH PROJECTS 1 INCH.
HB0391'
HB0391'R. M. 1, STAMPED KEVIL 1930 NO 1, IS 87.15 FEET SOUTHEAST AND ACROSS
HB0391'THE HIGHWAY FROM THE STATION MARK, 172 FEET EAST OF THE
HB0391'MCCRACKEN-BALLARD COUNTY LINE, 30 FEET SOUTH OF THE CENTERLINE OF THE
HB0391'HIGHWAY, 201 FEET EAST OF THE CENTERLINE OF A PAVED ROAD, 19-1/2 FEET
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HB0391'WEST OF A TELEPHONE POLE AND IN LINE WITH A ROW OF TELEPHONE POLES,
HB0391'37-1/2 FEET EAST OF A CONCRETE HIGHWAY RIGHT OF WAY MARKER POST,
HB0391'1.3 FEET EAST OF A METAL WITNESS POST, ABOUT 3 FEET ABOVE THE LEVEL
HB0391'OF THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST WHICH
HB0391'PROJECTS 4 INCHES.
HB0391'
HB0391'R.M. 2, STAMPED KEVIL NO II 1930, IS 0.2 MILE WEST OF THE STATION
HB0391'MARK, 0.15 MILE WEST OF THE BALLARD-MCCRACKEN COUNTY LINE, 29 FEET
HB0391'SOUTH OF THE CENTERLINE OF THE HIGHWAY, 105 FEET NORTHEAST OF THE
HB0391'NORTHEAST CORNER OF A PHILLIPS 66 SERVICE STATION, 50 FEET
HB0391'WEST OF THE EXTENDED CENTERLINE OF A PAVED ROAD, 56-1/2 FEET EAST OF
HB0391'A POWER POLE, 44-1/2 FEET EAST OF A CORNER FENCE POST, 1 FOOT
HB0391'NORTH OF A FENCE, 1.3 FEET SOUTHEAST OF A METAL WITNESS POST, ABOUT 1
HB0391'FOOT BELOW THE LEVEL OF THE HIGHWAY, AND SET IN THE TOP OF A
HB0391'CONCRETE POST WHICH PROJECTS 4 INCHES.
HB0391'
HB0391'AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN-ABOUT 1.25 MILES
HB0391'EAST.
HB0391
HB0391                          STATION RECOVERY (1968)
HB0391
HB0391'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1968
HB0391'1.2 MI E FROM KEVIL.
HB0391'ABOUT 0.1 MILE SOUTH ALONG WALLACE AVENUE FROM THE POST OFFICE
HB0391'AT KEVIL, THENCE 1.15 MILES EAST ALONG U.S. HIGHWAY 60, 131 FEET
HB0391'EAST OF THE MC CRACKEN-BALLARD COUNTY LINE, 0.2 MILE EAST OF A
HB0391'PHILLIPS 66 SERVICE STATION, 30 FEET NORTH OF THE CENTERLINE
HB0391'OF THE HIGHWAY, 165 FEET EAST OF THE EXTENDED CENTERLINE OF A
HB0391'PAVED ROAD, 130 FEET EAST OF A POWER POLE WHICH BEARS A
HB0391'TRANSFORMER, 1 1/2 FEET SOUTH OF A CONCRETE HIGHWAY RIGHT OF
HB0391'WAY MARKER POST, 0.2 MILE EAST OF KEVIL NO II, 87.15 FEET
HB0391'NORTHWEST AND ACROSS THE HIGHWAY FROM KEVIL NO 1, 1.5 FEET
HB0391'WEST OF A METAL WITNESS POST, ABOUT 2 FEET ABOVE THE LEVEL OF
HB0391'THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST WHICH PROJECTS
HB0391'1 INCH.
HB0391
HB0391                          STATION RECOVERY (1969)
HB0391
HB0391'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1969 (DLW)
HB0391'RECOVERED IN GOOD CONDITION.
HB0391'
HB0391'AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--1.1 MILES EAST
HB0391'OF KEVIL.
HB0391
HB0391                          STATION RECOVERY (1969)
HB0391
HB0391'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1969
HB0391'RECOVERED IN GOOD CONDITION.
HB0391
HB0391                          STATION RECOVERY (1976)
HB0391
HB0391'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1976 (CLN)
HB0391'THE STATION MARK WAS FOUND IN GOOD CONDITION.  THE AZIMUTH MARK
HB0391'(R.M. NO. 2) WAS FOUND IN GOOD CONDITION AFTER A LONG SEARCH.  IT
HB0391'WAS FOUND COVERED BY ABOUT 6 INCHES OF STONE AND IN A DRIVEWAY.
HB0391'REFERENCE MARK 1 WAS FOUND DISTURBED WITH THE ARROW POINTING AWAY
HB0391'FROM THE STATION AND TO THE NORTHEAST.  THE MARK WAS SOLID AND
HB0391'LEFT INTACT AND STAMPED AS FOUND.  REFERENCE MARK 3 WAS SET.  A NEW
HB0391'AZIMUTH MARK WAS SET.  A NEW DESCRIPTION FOLLOWS--
HB0391'
HB0391'THE STATION IS LOCATED ON ROAD RIGHT-OF-WAY, 12 FEET NORTH OF THE
HB0391'WEST END OF A CONCRETE PIPE UNDER DRIVEWAY, 14 FEET SOUTHEAST OF A
HB0391'POWER POLE, 29 FEET NORTH OF THE CENTERLINE OF THE HIGHWAY, 12 FEET
HB0391'WEST OF THE CENTERLINE OF THE DRIVEWAY, 24 FEET WEST OF A CONCRET
HB0391'RIGHT-OF-WAY POST, 1 FOOT NORTHWEST OF A METAL WITNESS POST, 110
HB0391'FEET EAST OF BALLARD COUNTY LINE SIGN POST, 130 FEET EAST OF A POWER
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HB0391'POLE AND 165 FEET EAST OF THE EXTENDED CENTERLINE OF RUTHERFORD
HB0391'ROAD.  THE MONUMENT PROJECTS 2 INCHES AND THE DISK IS
HB0391'STAMPED---KEVIL 1930.
HB0391'
HB0391'TO REACH THE STATION FROM THE POST OFFICE AT KEVIL, GO SOUTH ON
HB0391'WALLACE AVE. FOR 0.1 MILE.  TURN LEFT AND GO EAST ON U.S. HIGHWAY 60
HB0391'FOR 0.95 MILE TO THE AZIMUTH MARK AND REFERENCE MARK 2 ON THE
HB0391'RIGHT.  CONTINUE EAST ON THE HIGHWAY FOR 0.2 MILE TO THE STATION ON
HB0391'THE LEFT.
HB0391'
HB0391'REFERENCE MARK 1 IS 30 FEET SOUTH OF THE CENTERLINE OF THE HIGHWAY,
HB0391'1 FOOT EAST OF A METAL WITNESS POST, 201 FEET EAST OF THE CENTERLINE
HB0391'OF RUTHERFORD ROAD, 172 FEET EAST OF THE COUNTY LINE AND 20 FEET
HB0391'WEST OF A TELEPHONE POLE.  THE MONUMENT PROJECTS 4 INCHES AND THE
HB0391'DISK IS STAMPED---KEVIL NO 1 1930.
HB0391'
HB0391'REFERENCE MARK 3 IS A STANDARD PRE-CAST ALUMINUM MONUMENT (WITH
HB0391'MAGNETS) FLUSK WITH THE GROUND STAMPED---KEVIL 1930 NO 3 1976, 1
HB0391'FOOT SOUTHWEST OF POWER POLE, 25 FEET WEST OF THE CENTERLINE OF THE
HB0391'DRIVEWAY, 32 FEET NORTH OF THE CENTERLINE OF THE HIGHWAY AND 21
HB0391'FEET NORTHWEST OF THE WEST END OF THE CONCRETE PIPE.
HB0391'
HB0391'REFERENCE MARK 2 IS 50 FEET WEST OF THE EXTENDED CENTERLINE OF
HB0391'APPERSON ROAD, 29 FEET SOUTH OF THE CENTERLINE OF THE HIGHWAY, 56
HB0391'FEET EAST OF A POWER POLE, 7 FEET NORTHWEST OF THE NORTHWEST
HB0391'CORNER OF A CONCRETE RETAINING WALL, 10 FEET SOUTHWEST OF THE EAST
HB0391'END OF A METAL PIPE UNDER DRIVEWAY AND ABOUT 6 INCHES UNDER AND
HB0391'AT THE EAST EDGE OF THE DRIVEWAY.  THE DISK IS SET IN THE TOP OF A
HB0391'SQUARE CONCRETE POST AND IS STAMPED---KEVIL NO 11 1930.
HB0391'
HB0391'THE AZIMUTH MARK IS A STANDARD DISK STAMPED---KEVIL 1930 1976, SET IN
HB0391'A DRILL HOLE IN THE TOP AND NORTHWEST CORNER OF A CONCRETE RETAINING
HB0391'WALL OF PATIO OF THE KAINTUCK DAIRY BAR, 10 FEET SOUTH OF THE EAST
HB0391'END OF METAL PIPE UNDER DRIVEWAY, 34 FEET SOUTH OF THE CENTERLINE
HB0391'OF THE HIGHWAY, 25 FEET EAST OF THE CENTERLINE OF THE DRIVEWAY, 45
HB0391'FEET WEST OF THE EXTENDED CENTERLINE OF APPERSON ROAD AND 60 FEET
HB0391'EAST OF A POWER POLE.
HB0391'
HB0391'AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--ABOUT 1 MILE EAST
HB0391'OF KEVIL.
HB0391'
HB0391'HEIGHT OF LIGHT ABOVE STATION MARK 5 FEET.
HB0391
HB0391                          STATION RECOVERY (1989)
HB0391
HB0391'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1989
HB0391'THE STATION IS ABOUT 24.1 KM (15.00 MI) WEST OF PADUCAH, 1.9 KM
HB0391'(1.20 MI) EAST OF KEVIL AND ON THE NORTH RIGHT-OF-WAY OF US HIGHWAY
HB0391'60.  OWNERSHIP--VIDAMAE GRIEF, RT 2, KEVIL, KY 42053, PHONE
HB0391'502-462-3659.
HB0391'TO REACH THE STATION FROM THE POST OFFICE IN KEVIL, DRIVE SOUTH FOR
HB0391'0.16 KM (0.10 MI) ON WALLACE AVENUE TO THE JUNCTION OF US HIGHWAY 60.
HB0391'TURN LEFT AND DRIVE EAST FOR 1.82 KM (1.15 MI) ON HIGHWAY 60 TO THE
HB0391'FARMERS INSURANCE AGENCY RIGHT AND THE RESIDENCE OF MRS. GRIEF AND
HB0391'STATION LEFT.
HB0391'THE STATION IS A STANDARD HORIZONTAL CONTROL DISK STAMPED---KEVIL
HB0391'1930---, SET INTO A SQUARE CONCRETE POST WHICH PROJECTS ABOUT 1 INCH.
HB0391'LOCATED 33.5 M (109.9 FT) EAST OF A BALLARD COUNTY LINE SIGN, 8.8 M
HB0391'(28.9 FT) NORTH OF THE CENTERLINE OF HIGHWAY 60, 7.3 M (24.0 FT) WEST
HB0391'OF A CONCRETE RIGHT-OF-WAY POST, 4.3 M (14.1 FT) SOUTHEAST OF A POWER
HB0391'POLE, 3.7 M (12.1 FT) NORTH OF THE WEST END OF A CONCRETE PIPE UNDER
HB0391'THE DRIVEWAY AND 0.3 M (1.0 FT) NORTHWEST OF A METAL WITNESS POST.
HB0391'DESCRIBED M.J. WELLSLAGER.
HB0391
HB0391                          STATION RECOVERY (1990)
HB0391
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HB0391'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1990
HB0391'STATION IS LOCATED ABOUT 1.85 KM (1.15 MI) EAST OF KEVIL, ON U.S.
HB0391'HIGHWAY 60 RIGHT-OF-WAY.  OWNERSHIP KENTUCKY DEPARTMENT OF
HB0391'TRANSPORTATION.
HB0391'TO REACH THE STATION FROM THE POST OFFICE AT KEVIL, GO SOUTH ON
HB0391'WALLACE AVENUE FOR 0.15 KM (0.10 MI) TO ITS JUNCTION WITH U.S. HIGHWAY
HB0391'60.  TURN LEFT AND GO EAST ON U.S. HIGHWAY 60 FOR 1.85 KM (1.15 MI) TO
HB0391'THE STATION ON THE LEFT, ACROSS THE HIGHWAY FROM AN OFFICE BUILDING
HB0391'(JACKSON PURCHASE AGRICULTURAL CREDIT ASSOCIATION AND WADE FARM
HB0391'FINANCIAL SERVICES).
HB0391'THE STATION IS 50.0 M (164.0 FT) EAST OF THE EXTENDED CENTER OF
HB0391'RUTHERFORD ROAD (COUNTY ROAD 2532), 26.5 M (86.9 FT) EAST OF A SIGN
HB0391'POST (BALLARD COUNTY), 9.0 M (29.5 FT) NORTH OF THE CENTERLINE OF THE
HB0391'HIGHWAY, 7.4 M (24.3 FT) WEST OF A CONCRETE RIGHT-OF-WAY POST, 4.3 M
HB0391'(14.1 FT) EAST-SOUTHEAST OF A POWER POLE, 3.7 M (12.1 FT) NORTH OF THE
HB0391'CENTER OF THE WEST END OF A CONCRETE PIPE UNDER A DRIVEWAY, 3.7 M
HB0391'(12.1 FT) WEST OF THE CENTER OF A GRAVELED DRIVEWAY, AND 0.5 M
HB0391'(1.6 FT) WEST-NORTHWEST OF A METAL WITNESS POST.  THE MONUMENT
HB0391'PROJECTS FOUR CENTIMETERS ABOVE THE GROUND SURFACE.
HB0391'DESCRIBED BY SFH.
HB0391
HB0391                          STATION RECOVERY (1993)
HB0391
HB0391'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993
HB0391'THE STATION IS LOCATED ABOUT 1.85 KM (1.15 MI) EAST OF KEVIL, ON U.S.
HB0391'HIGHWAY 60 RIGHT-OF-WAY.  OWNERSHIP--KENTUCKY TRANSPORTATION CABINET.
HB0391'TO REACH THE STATION FROM THE POST OFFICE IN KEVIL, GO SOUTH ON
HB0391'WALLACE AVENUE FOR 0.15 KM (0.10 MI) TO ITS JUNCTION WITH U.S.
HB0391'HIGHWAY 60. TURN LEFT AND GO EAST ON U.S. HIGHWAY 60 FOR 1.85 KM
HB0391'(1.15 MI) TO THE STATION ON THE LEFT, ACROSS THE HIGHWAY FROM AN
HB0391'OFFICE BUILDING (JACKSON PURCHASE AGRICULTURAL CREDIT ASSOCIATION AND
HB0391'WADE FARM FINANCIAL SERVICES).
HB0391'THE STATION PROJECTS 4 CM ABOVE THE LEVEL OF THE GROUND.  LOCATED 50.0
HB0391'M (164.0 FT) EAST OF THE EXTENDED CENTER OF RUTHERFORD ROAD (COUNTY
HB0391'ROAD 2532), 26.5 M (86.9 FT) EAST OF A SIGN POST (BALLARD COUNTY),
HB0391'9.0 M (29.5 FT) NORTH OF THE CENTERLINE OF THE HIGHWAY, 7.4 M
HB0391'(24.3 FT) WEST OF A CONCRETE RIGHT-OF-WAY POST, 4.3 M (14.1 FT)
HB0391'EAST-SOUTHEAST OF A POWER POLE, 3.7 M (12.1 FT) NORTH OF THE CENTER OF
HB0391'THE WEST END OF A CONCRETE PIPE UNDER A DRIVEWAY, 3.7 M (12.1 FT)
HB0391'WEST OF THE CENTER OF A GRAVELED DRIVEWAY AND 0.5 M (1.6 FT)
HB0391'WEST-NOPRTHWEST OF A METAL WITNESS POST.
HB0391
HB0391                          STATION RECOVERY (1994)
HB0391
HB0391'RECOVERED 1994
HB0391'RECOVERED IN GOOD CONDITION.
HB0391
HB0391                          STATION RECOVERY (1997)
HB0391
HB0391'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM)
HB0391'RECOVERED AS DESCRIBED.
HB0391
HB0391                          STATION RECOVERY (1997)
HB0391
HB0391'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (CSM)
HB0391'RECOVERED AS DESCRIBED, EXCEPT THAT RUTHERFORD ROAD IS NOW COUNTY LINE
HB0391'ROAD.
HB0391
HB0391                          STATION RECOVERY (1998)
HB0391
HB0391'RECOVERY NOTE BY ILLINOIS DEPARTMENT OF TRANSPORTATION 1998 (DB)
HB0391'RECOVERED AS DESCRIBED
HB0391
HB0391                          STATION RECOVERY (2001)
HB0391
HB0391'RECOVERY NOTE BY KENTUCKY DEPARTMENT OF TRANSPORTATION 2001
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 HB0391'RECOVERED IN GOOD CONDITION.
 HB0391
 HB0391                          STATION RECOVERY (2001)
 HB0391
 HB0391'RECOVERY NOTE BY KENTUCKY DEPARTMENT OF TRANSPORTATION 2001 (JG)
 HB0391'RECOVERED IN GOOD CONDITION.
 HB0391
 HB0391                          STATION RECOVERY (2003)
 HB0391
 HB0391'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2003 (CSM)
 HB0391'RECOVERED AS DESCRIBED WITH THESE ADDITIONS...
 HB0391'
 HB0391'STATION IS IN FRONT OF RESIDENCE AT 12345 HINKLEVILLE ROAD, KEVIL KY.
 HB0391'
 HB0391'STATION IS 3.0 FT N OF BRICK PEDESTAL ON W SIDE OF DRIVEWAY, AND 24.2
 HB0391'FT NW OF BRICK  PEDESTAL ON ON E SIDE OF DRIVEWAY.
 HB0391
 HB0391                          STATION RECOVERY (2003)
 HB0391
 HB0391'RECOVERY NOTE BY US POWER SQUADRON 2003 (JHE)
 HB0391'JACKSON PURCHASE AG CREDIT ASSOCIATION NOW AT MARKER LOCATION
 HB0391
 HB0391                          STATION RECOVERY (2010)
 HB0391
 HB0391'RECOVERY NOTE BY ILLINOIS DEPARTMENT OF TRANSPORTATION 2010 (WAE)
 HB0391'RECOVERED IN GOOD CONDITION.
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
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1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 HB1903 ***********************************************************************
 HB1903  SACS        -  This is a Secondary Airport Control Station.
 HB1903  DESIGNATION -  FAA PAH STA F 2 AP
 HB1903  PID         -  HB1903
 HB1903  STATE/COUNTY-  KY/MCCRACKEN
 HB1903  COUNTRY     -  US
 HB1903  USGS QUAD   -  HEATH (1978)
 HB1903
 HB1903                        *CURRENT SURVEY CONTROL
 HB1903  ___________________________________________________________________
 HB1903* NAD 83(2007) POSITION- 37 03 22.05121(N) 088 46 38.99362(W)   ADJUSTED
 HB1903* NAD 83(2007) ELLIP HT-    94.825 (meters)        (02/10/07)   ADJUSTED
 HB1903* NAD 83(2007) EPOCH   -  2002.00
 HB1903* NAVD 88 ORTHO HEIGHT -   123.2    (meters)     404.    (feet) GPS OBS
 HB1903  ___________________________________________________________________
 HB1903  NAVD 88 orthometric height was determined with geoid model    GEOID93
 HB1903  GEOID HEIGHT    -        -28.54  (meters)                     GEOID93
 HB1903  GEOID HEIGHT    -        -28.38  (meters)                     GEOID09
 HB1903  NAD 83(2007) X  -    108,730.258 (meters)                     COMP
 HB1903  NAD 83(2007) Y  - -5,095,157.823 (meters)                     COMP
 HB1903  NAD 83(2007) Z  -  3,822,422.915 (meters)                     COMP
 HB1903  LAPLACE CORR    -         -1.41  (seconds)                    DEFLEC09
 HB1903
 HB1903  FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
 HB1903  Type                                          Horiz  Ellip  Dist(km)
 HB1903  ----------------------------------------------------------------
 HB1903  NETWORK                                        0.48   0.98
 HB1903  ----------------------------------------------------------------
 HB1903  MEDIAN LOCAL ACCURACY AND DIST (001 points)   0.10   0.51      1.52
 HB1903  ----------------------------------------------------------------
 HB1903  NOTE: Click here for information on individual local accuracy
 HB1903  values and other accuracy information.
 HB1903
 HB1903
 HB1903.This mark is at Barkley Regional Airport (PAH)
 HB1903
 HB1903.The horizontal coordinates were established by GPS observations
 HB1903.and adjusted by the National Geodetic Survey in February 2007.
 HB1903
 HB1903.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 HB1903.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
 HB1903
 HB1903.The horizontal coordinates are valid at the epoch date displayed above
 HB1903.which is a decimal equivalence of Year/Month/Day.
 HB1903
 HB1903.The orthometric height was determined by GPS observations and a
 HB1903.high-resolution geoid model.
 HB1903
 HB1903.No vertical observational check was made to the station.
 HB1903
 HB1903.GPS derived orthometric heights for airport stations designated as
 HB1903.PACS or SACS are published to 2 decimal places.  This maintains
 HB1903.centimeter relative accuracy between the PACS and SACS.  It does
 HB1903.not indicate centimeter accuracy relative to other marks which are
 HB1903.part of the NAVD 88 network.
 HB1903
 HB1903.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 HB1903
 HB1903.The Laplace correction was computed from DEFLEC09 derived deflections.
 HB1903
 HB1903.The ellipsoidal height was determined by GPS observations
 HB1903.and is referenced to NAD 83.
 HB1903
 HB1903. The following values were computed from the NAD 83(2007) position.
 HB1903
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HB1903;                    North         East     Units Scale Factor Converg.
HB1903;SPC KY1Z     - 1,084,587.073 1,230,760.971   MT  1.00000662   -1 51 31.6
HB1903;SPC KY1Z     - 3,558,349.42  4,037,921.62   sFT  1.00000662   -1 51 31.6
HB1903;SPC KY S     -   584,524.836   230,773.155   MT  0.99995711   -1 50 09.8
HB1903;SPC KY S     - 1,917,728.57    757,128.26   sFT  0.99995711   -1 50 09.8
HB1903;UTM  16      - 4,102,576.127   341,954.512   MT  0.99990771   -1 04 16.8
HB1903
HB1903!             -  Elev Factor  x  Scale Factor =   Combined Factor
HB1903!SPC KY1Z     -   0.99998512  x   1.00000662  =   0.99999174
HB1903!SPC KY S     -   0.99998512  x   0.99995711  =   0.99994223
HB1903!UTM  16      -   0.99998512  x   0.99990771  =   0.99989283
HB1903
HB1903:                Primary Azimuth Mark                     Grid Az
HB1903:SPC KY1Z     -  FAA PAH STA G 2 AP                       045 32 58.3
HB1903:SPC KY S     -  FAA PAH STA G 2 AP                       045 31 36.5
HB1903:UTM  16      -  FAA PAH STA G 2 AP                       044 45 43.5
HB1903
HB1903|---------------------------------------------------------------------|
HB1903| PID    Reference Object                     Distance      Geod. Az  |
HB1903|                                                           dddmmss.s |
HB1903| HB1900 FAA PAH STA G 2 AP                 APPROX. 1.5 KM 0434126.7 |
HB1903|---------------------------------------------------------------------|
HB1903
HB1903                          SUPERSEDED SURVEY CONTROL
HB1903
HB1903  ELLIP H (09/11/97)   94.841  (m)                        GP(       ) 4 1
HB1903  NAD 83(1993)-  37 03 22.05097(N)    088 46 38.99374(W) AD(       ) 1
HB1903
HB1903.Superseded values are not recommended for survey control.
HB1903.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
HB1903.See file dsdata.txt to determine how the superseded data were derived.
HB1903
HB1903_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SCG4195402576(NAD 83)
HB1903
HB1903_MARKER: DT = TOPOGRAPHIC STATION DISK
HB1903_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
HB1903_SP_SET: CONCRETE POST
HB1903_STAMPING: AP 1964 STA F 2
HB1903_MARK LOGO: CGS
HB1903_MAGNETIC: N = NO MAGNETIC MATERIAL
HB1903_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
HB1903+STABILITY: SURFACE MOTION
HB1903_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
HB1903+SATELLITE: SATELLITE OBSERVATIONS - July 24, 1996
HB1903
HB1903  HISTORY     - Date     Condition        Report By
HB1903  HISTORY     - 1964     MONUMENTED       CGS
HB1903  HISTORY     - 19891025 GOOD             NGS
HB1903  HISTORY     - 19940301 GOOD             NGS
HB1903  HISTORY     - 19960724 GOOD             NGS
HB1903
HB1903                          STATION DESCRIPTION
HB1903
HB1903'DESCRIBED BY NATIONAL GEODETIC SURVEY 1989
HB1903'THE STATION IS LOCATED IN THE SOUTHWEST SECTION OF THE BARKLEY AIRPORT
HB1903'1504 FT (458.4 M) NORTHEAST OF THE RWY END 4.  THE STATION IS 135.6 FT
HB1903'(41.3 M) SOUTH OF THE THIRD RWY LIGHT SOUTHWEST OF THE TAXIWAY
HB1903'ENTRANCE, 136.8 FT (41.7 M) EAST OF THE FOURTH RWY LIGHT SOUTHWEST OF
HB1903'THE TAXIWAY ENTRANCE, AND 100 FT (30.5 M) SOUTHEAST OF THE SOUTHEAST
HB1903'EDGE OF THE RWY.  THE STATION IS A STANDARD TOPOGRAPHIC DISK STAMPED
HB1903'AP 1964 STA F2 SET IN THE TOP OF A CONCRETE MONUMENT THAT IS SET FLUSH
HB1903'WITH THE GROUND.
HB1903
HB1903                          STATION RECOVERY (1994)
HB1903
HB1903'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1994
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 HB1903'THE STATION IS LOCATED ABOUT 6 MI (9.7 KM) WEST OF PADUCAH, IN THE
 HB1903'NORTHEAST SECTION OF THE BARKLEY REGIONAL AIRPORT, AND NORTHEAST OF
 HB1903'THE ILS TOWER AT THE APPROACH END OF RUNWAY 04/22.
 HB1903'OWNERSHIP--BARKLEY REGIONAL AIRPORT, MANAGER, RICHARD ROFF, P.O. BOX
 HB1903'1131, PADUCAH, KY 42002-1131, PHONE--502-744-0521. NOTE--ESCORT
 HB1903'REQUIRED.
 HB1903'TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE HIGHWAY 24
 HB1903'AND U.S. HIGHWAY 60 IN WEST PADUCAH (EXIT 4), GO WEST ON U.S. HIGHWAY
 HB1903'60 FOR 1.1 MI (1.8 KM) TO STATE ROUTE 998, CONTINUE WEST ON HIGHWAY
 HB1903'60 FOR 3.65 MI (5.87 KM) TO THE INTERSECTION OF STATE ROUTE 724
 HB1903'(FISHER ROAD), TURN LEFT AND GO SOUTHERLY ON ROUTE 724 FOR 0.5 MI
 HB1903'(0.8 KM) TO THE TERMINAL AND GATE ON THE RIGHT.  PASS THROUGH GATE
 HB1903'AND GO NORTHERLY ON RAMP THEN TAXIWAY FOR 0.4 MI (0.6 KM) TO THE
 HB1903'NORTHEAST END OF THE RUNWAY 04/22, TURN LEFT AND GO SOUTHWEST ON
 HB1903'RUNWAY 04/22 FOR 0.85 MI (1.37 KM) TO TAXIWAY A ON LEFT, CONTINUE
 HB1903'AHEAD SOUTHWEST ON RUNWAY 04/22 FOR 0.1 MI (0.2 KM) TO THE STATION ON
 HB1903'THE LEFT.
 HB1903'STATION IS FLUSH WITH THE LEVEL OF THE GROUND.  LOCATED 135.6 SOUTH OF
 HB1903'THE THIRD RUNWAY LIGHT SOUTHWEST OF THE TAXIWAY, 136.8 FT (41.7 M)
 HB1903'EAST OF THE FOURTH RUNWAY LIGHT SOUTHWEST OF THE TAXIWAY AND 100 FT
 HB1903'(30.5 M) SOUTHEAST OF THE SOUTHEAST EDGE OF THE RUNWAY.
 HB1903
 HB1903                          STATION RECOVERY (1996)
 HB1903
 HB1903'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (AJL)
 HB1903'RECOVERED AS DESCRIBED.  THIS IS A SECONDARY AIRPORT CONTROL STATION
 HB1903'(SACS) .
1        National Geodetic Survey,   Retrieval Date = JUNE  9, 2012
 HZ2672 ***********************************************************************
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# Control Monument Information Sheet

## Kentucky Transportation Cabinet
## Department of Highways
## Division of Design
### Survey Coordination

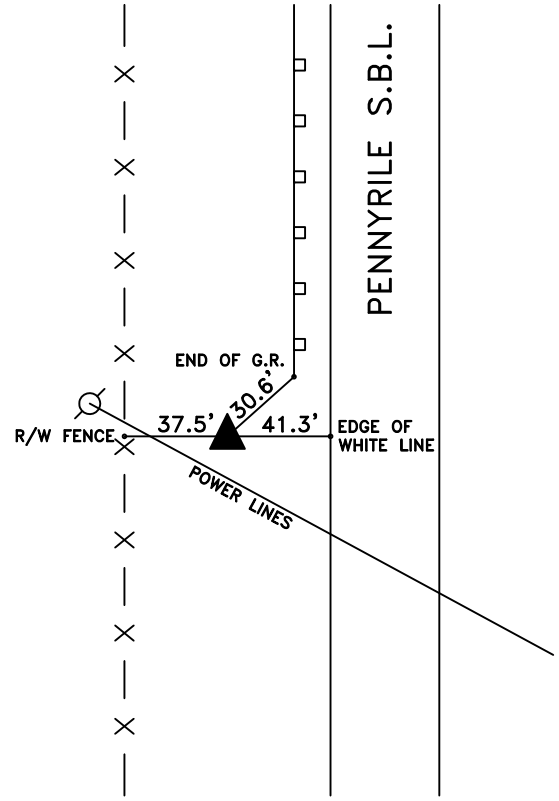
| Site/Quad | Station Description (Description is to be complete) (type ,size,depth set,etc.) | Station Designation |
|---|---|---|
| I–69<br>HENDERSON | 3.25" Aluminum Disk with 5/8"x18" rebar Set in a 24" Deep Poured in Place Concrete Cylinder | 2013 09 32 |
| Locality/County<br>HENDERSON<br>HENDERSON | | Stamping on Mark<br>KTC<br>2013 09 32 |

| Date Set or Found (Date, With S or F) | Latitude | Longitude | Horiz. Datum | Zone | Vert. Datum |
|---|---|---|---|---|---|
| Set<br>FEB. 2013 | 37°48'16.52044" | 087°33'50.43295" | NAD83/NSRS07 | KY. SINGLE | NAVD 88 |
| | Northing (State Plane) (US Survey Feet)<br>3821632.26'US | Easting (State Plane) (US Survey Feet)<br>4397216.86'US | Elevation<br>413.59'US | (Underline only one)<br>GPS Derived<br>Diff. Levels | Order Accuracy<br>THIRD |
| Person filling out form<br>J. Mickelson | Convergence<br>–1°06'49.42920" | Geoid Height (US Survey Feet)<br>–100.45'US | Geoid Model<br>GEOID 09 | Ellipsoid Height<br>313.14'US | Other Info.<br>ITEM #2–232.00 |
| Established by Agency<br>GRWAS | Combination Factor<br>0.999885846 | Back Station I.D.<br>2013 09 31 | Grid Azimuth & Distance to back station<br>S 35°52'35"E 1188.45'US | | |
| Scale Factor<br>0.999905725 | Elev. Factor<br>0.999980120 | Ahead Station I.D. | Grid Azimuth & Distance to ahead station | | |

Ky Licensed Professional Land Surveyor in charge of monumentation: E. Rinehart  Ky. Registration No. 2283

Give a complete sketch and location description so that monument may be recovered by others

TO REACH: BEGINNING AT THE I–369 (AUDUBON PARKWAY) AND I–69 (PENNYRILE PARKWAY) INTERCHANGE, TRAVEL 0.4 MILES SOUTH ON I–69 TO THE STATION ON THE RIGHT.




10/94
Revised 5/07

Kentucky Transportation Cabinet, Department of Highways, Division of Design

CONTROL MONUMENT INFORMATION SHEET

DESIGNATION: 2013 09 32 SCALE: 1" ± 1000'

*GRW Aerial Surveys, Inc.*
801 Corporate Dr. Lexington Ky. 40503
(859)223-3999

# Control Monument Information Sheet

## Kentucky Transportation Cabinet
## Department of Highways
## Division of Design
### Survey Coordination

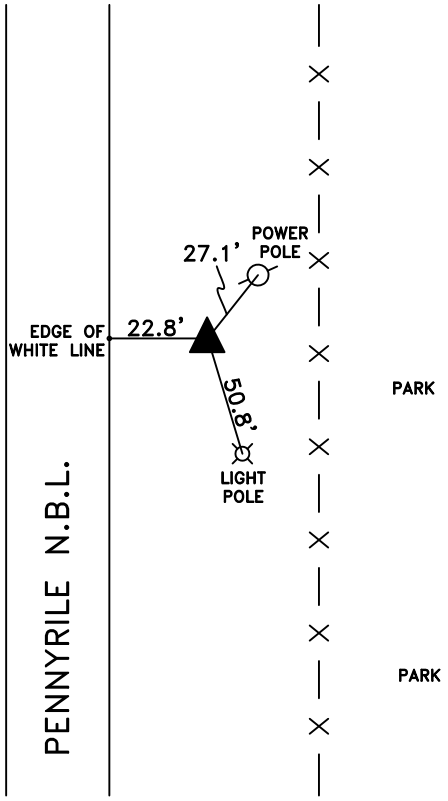
| Site/Quad | Station Description (Description is to be complete) (type ,size,depth set,etc.) | Station Designation |
|---|---|---|
| I–69<br>HENDERSON | 3.25" Aluminum Disk with 5/8"x18" rebar Set in a 24" Deep Poured in Place Concrete Cylinder | 2013 09 34 |
| Locality/County<br>HENDERSON<br>HENDERSON | | Stamping on Mark<br>KTC<br>2013 09 34 |

| Date Set or Found (Date, With S or F) | Latitude | Longitude | Horiz. Datum | Zone | Vert. Datum |
|---|---|---|---|---|---|
| Set<br>FEB. 2013 | 37°48'56.14554" | 087°33'46.67815" | NAD83/NSRS07 | KY. SINGLE | NAVD 88 |
| | Northing (State Plane) (US Survey Feet)<br>3825633.45'US | Easting (State Plane) (US Survey Feet)<br>4397595.98'US | Elevation<br>381.95'US | (Underline only one)<br>GPS Derived<br>Diff. Levels | Order Accuracy<br>THIRD |
| Person filling out form<br>J. Mickelson | Convergence<br>–1°06'47.12390" | Geoid Height (US Survey Feet)<br>–100.53'US | Geoid Model<br>GEOID 09 | Ellipsoid Height<br>281.42'US | Other Info.<br>ITEM #2–232.00 |
| Established by Agency<br>GRWAS | Combination Factor<br>0.999887134 | Back Station I.D.<br>2013 09 33 | Grid Azimuth & Distance to back station<br>S 06°23'07"W 1183.03'US | | |
| Scale Factor<br>0.999905503 | Elev. Factor<br>0.999981629 | Ahead Station I.D. | Grid Azimuth & Distance to ahead station | | |

Ky Licensed Professional Land Surveyor in charge of monumentation: E. Rinehart  Ky. Registration No. 2283

Give a complete sketch and location description so that monument may be recovered by others

TO REACH: BEGINNING AT THE I–369 (AUDUBON PARKWAY) AND I–69 (PENNYRILE PARKWAY) INTERCHANGE, TRAVEL 0.5 MILES NORTH ON I–69 TO THE STATION ON THE RIGHT.

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Revised 5/07

Kentucky Transportation Cabinet, Department of Highways, Division of Design

CONTROL MONUMENT INFORMATION SHEET

DESIGNATION: 2013 09 34 SCALE: 1" ± 1000'

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# Control Monument Information Sheet

## Kentucky Transportation Cabinet
## Department of Highways
## Division of Design
### Survey Coordination

| Site/Quad | Station Description (Description is to be complete) (type ,size,depth set,etc.) | Station Designation |
|---|---|---|
| US 60<br>TELL CITY | 3.25" Aluminum Disk Set in a 24" Deep Poured in Place Concrete Cylinder | 07 17 09 |
| **Locality/County** | | **Stamping on Mark** |
| TELL CITY<br>HANCOCK | | KTC<br>07 17 09 |

| Date Set or Found (Date, With S or F) | Latitude | Longitude | Horiz. Datum | Zone | Vert. Datum |
|---|---|---|---|---|---|
| Set<br>MARCH 2007 | 37°53'38.57114" | 086°45'00.48434" | NAD83/NSRS07 | KY. SINGLE | NAVD 88 |
| | **Northing (State Plane) (US Survey Feet)** | **Easting (State Plane) (US Survey Feet)** | **Elevation** | **(Underline only one) GPS Derived / Diff. Levels** | **Order Accuracy** |
| | 3850658.73'US | 4632666.36'US | 577.97'US | | THIRD |

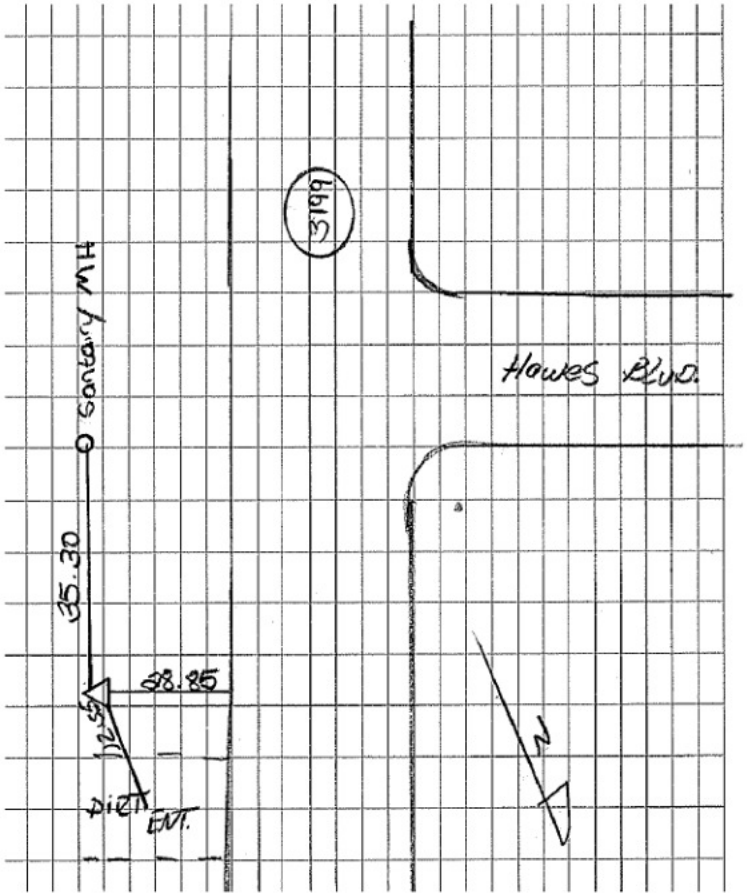
| Person filling out form | Convergence | Geoid Height (US Survey Feet) | Geoid Model | Ellipsoid Height | Other Info. |
|---|---|---|---|---|---|
| J. Mickelson | −0°36'50.55590" | −104.24'US | GEOID 03 | 473.74'US | ITEM #2−197.00 |

| Established by Agency | Combination Factor | Back Station I.D. | Grid Azimuth & Distance to back station |
|---|---|---|---|
| GRWAS | 0.999882331 | | |

| Scale Factor | Elev. Factor | Ahead Station I.D. | Grid Azimuth & Distance to ahead station |
|---|---|---|---|
| 0.999904989 | 0.999977340 | BRYANT 2 | N 62°10'01"E 996.41'US |

Ky Licensed Professional Land Surveyor in charge of monumentation: E. Rinehart — Ky. Registration No. 2283

Give a complete sketch and location description so that monument may be recovered by others

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Revised 5/07