

Urban Forest Inventory & Analysis

City of Austin

2014 Field Year

Overview: That Texas A&M Forest Service is conducting an assessment of the trees located within the City of Austin and adjacent urban areas. 225 sample plots will be installed in the summer of 2014 to begin this assessment. In the following years, 10% of the plots will be re-measured annually to assess change in the status of the cities trees. Of the 225 plots, 8 fall on Balcones Canyonlands Preserve on properties owned by the City of Austin and Travis County.

Field Work: 225 plot locations are generated across all lands within the City of Austin. Plot locations are determined using the hex-grid design that is consistent with the national Forest Inventory & Analysis program. At each plot location, measurements will be taken on trees within a 48' radius. Measurements taken will include:

- tree species
- diameter
- height
- crown condition
- presence of insect/disease damage
- influence of trees on adjacent residential buildings
- land use of plot location
- forest type (if forested condition)

Measurements are taken by a 3-4 person crew and usually take from 1-4 hours to complete, depending on number of trees.

During the 2014 field year, the following plots were measured on BCP. Maps of each plot location with coordinates are attached along with date of measurement:

Travis County Ownership:	445 – 9/10/2014
	449 – 7/30/2014
	451 – 9/9/2014
	452 – 9/9/2014
	460 – 9/10/2014
City of Austin Ownership:	446 – 10/1/2014
	448 – 10/15/2014
	459 – 9/30/2014

All data collected was entered into handheld data recorders (Juniper Allegro Mx). This data was then transmitted to USDA Forest Service for analysis which should provide preliminary tables in spring of 2015.

Products: Data collection should be complete by fall of 2014 with results available by spring of 2015. Analysis of the collected data will provide information about the composition and health of the trees within the city as well as the environmental benefits they provide. Results from analysis will include:

- total number of trees/tree density
- species composition/diversity
- size distribution of the trees
- crown cover of the city
- native vs. exotic composition
- risk/presence of insect/disease
- tree impact on building energy use/air pollution removal/storm runoff
- carbon storage/sequestration by trees in the city

Results from the data analysis will be made available to the public through agency publications and queryable websites similarly to the online sites that currently provide access to core FIA data:

- <http://www.fia.fs.fed.us/tools-data/default.asp>
- <http://texasforestinfo.tamu.edu/>

2014 Austin Urban FIA



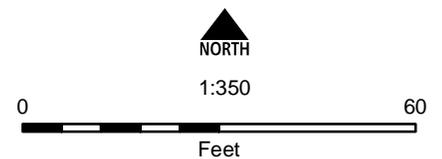
TRAVIS COUNTY
PO BOX 1748
AUSTIN, TX 78767

Plot radius = 48 feet

PlotID: **453-445**

Lat: **30° 24' 32.184"**

Lon: **-97° 47' 0.492"**



2014 Austin Urban FIA

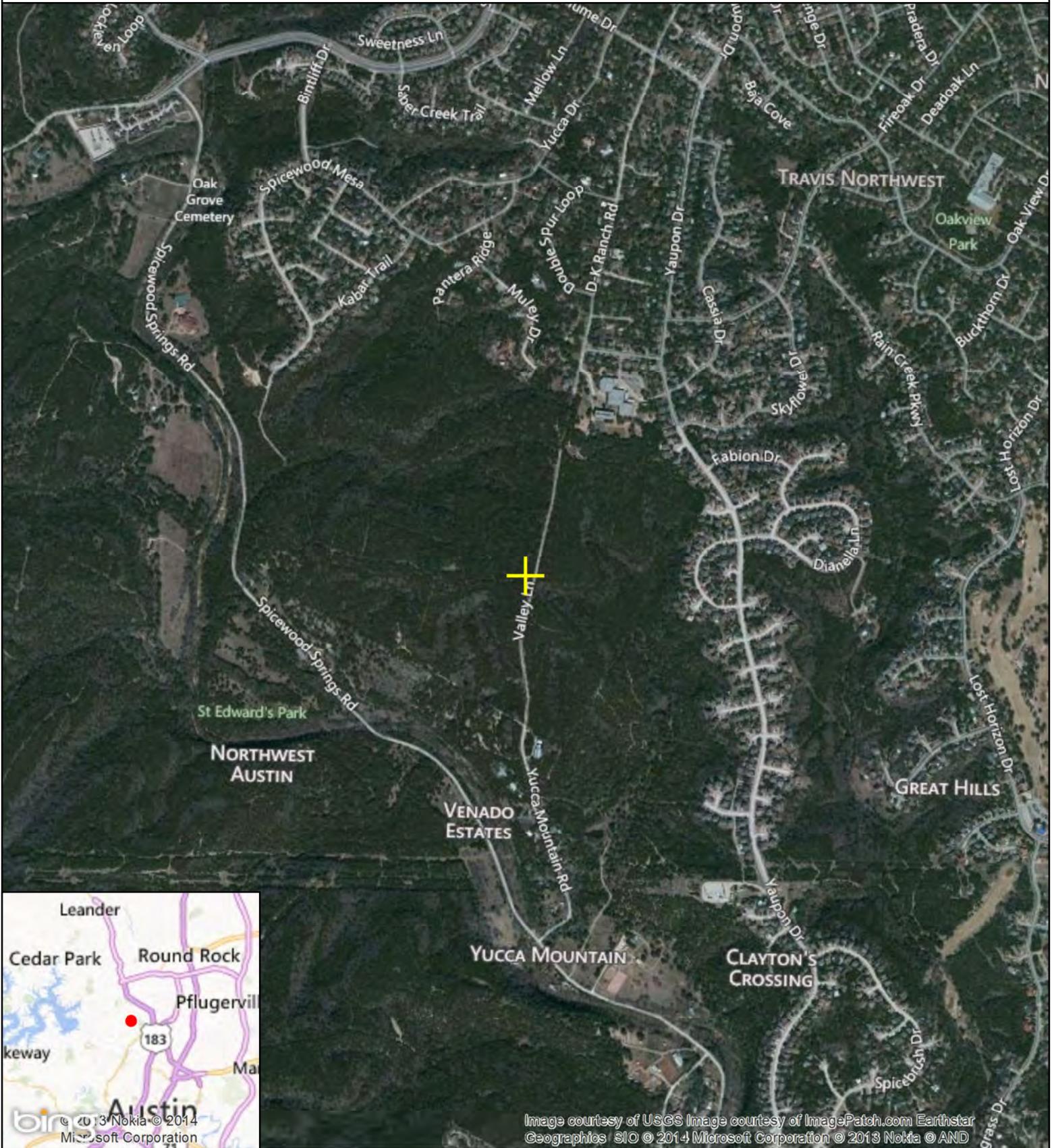


Image courtesy of USGS Image courtesy of ImagePatch.com Earthstar Geographics SIO © 2014 Microsoft Corporation © 2013 Nokia © AND

Plot radius = 48 feet

PlotID: **453-445**

Lat: **30° 24' 32.184"**

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1:15,000



2014 Austin Urban FIA



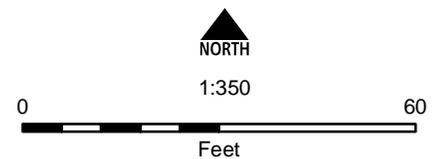
TRAVIS COUNTY
PO BOX 1748
AUSTIN, TX 78767

Plot radius = 48 feet

PlotID: **453-449**

Lat: **30° 24' 7.758"**

Lon: **-97° 49' 29.543"**



2014 Austin Urban FIA

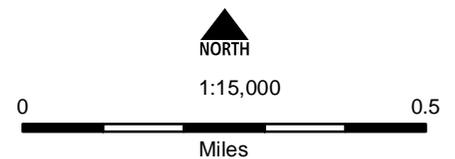


Plot radius = 48 feet

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2014 Austin Urban FIA

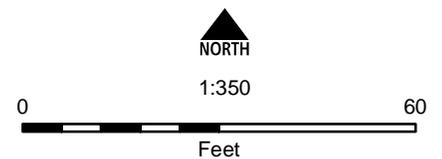


Plot radius = 48 feet

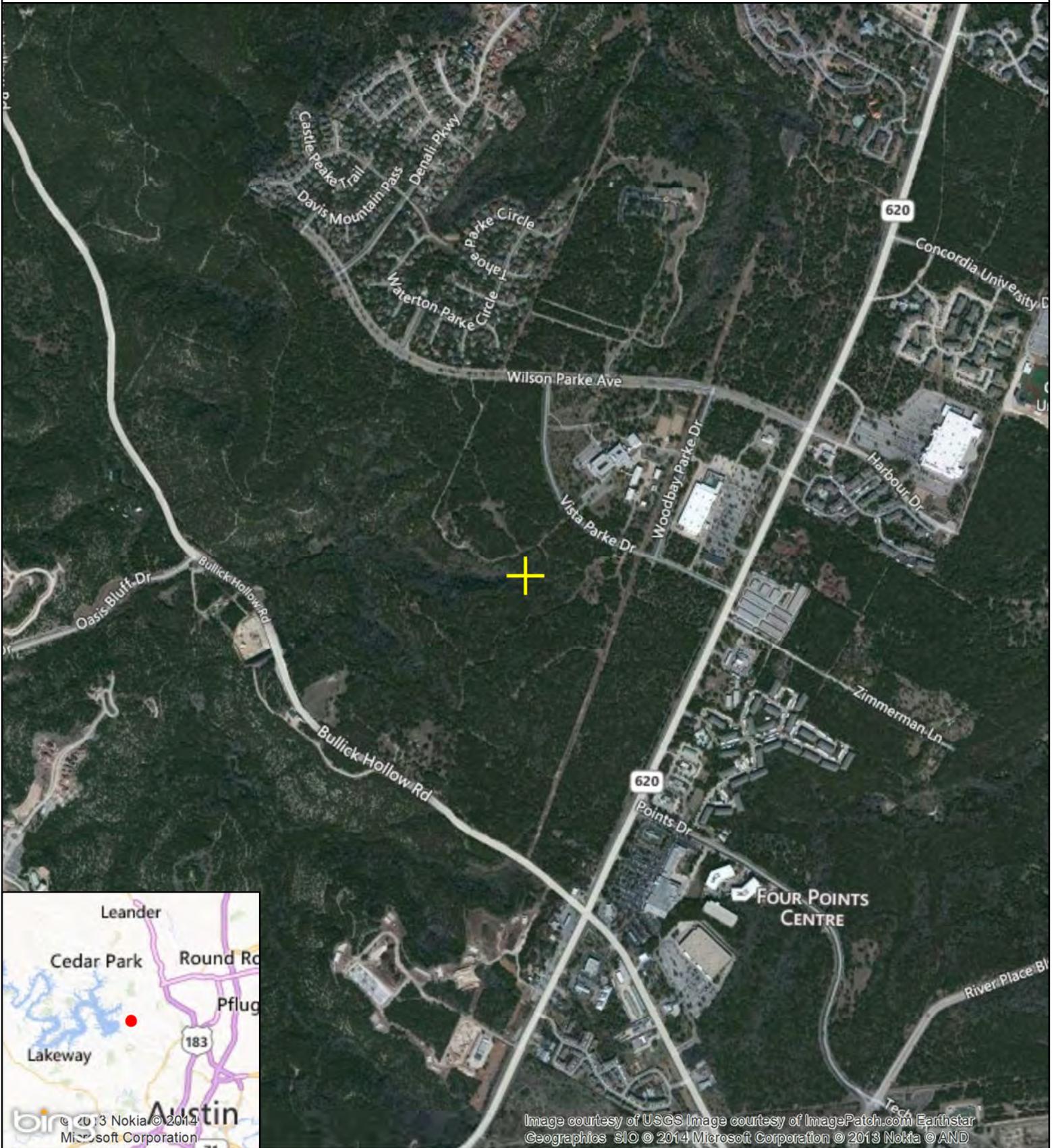
PlotID: **453-451**

Lat: **30° 24' 45.752"**

Lon: **-97° 51' 21.730"**



2014 Austin Urban FIA



Plot radius = 48 feet

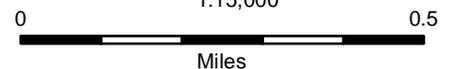
PlotID: **453-451**

Lat: **30° 24' 45.752"**

Lon: **-97° 51' 21.730"**



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Miles

2014 Austin Urban FIA

TRAVIS COUNTY
PO BOX 1748
AUSTIN, TX 78767

TRAVIS COUNTY
411 W 13TH ST STE 1
AUSTIN, TX 78701



Plot radius = 48 feet

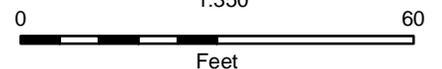
PlotID: **453-452**

Lat: **30° 25' 50.398"**

Lon: **-97° 50' 54.193"**



1:350



2014 Austin Urban FIA

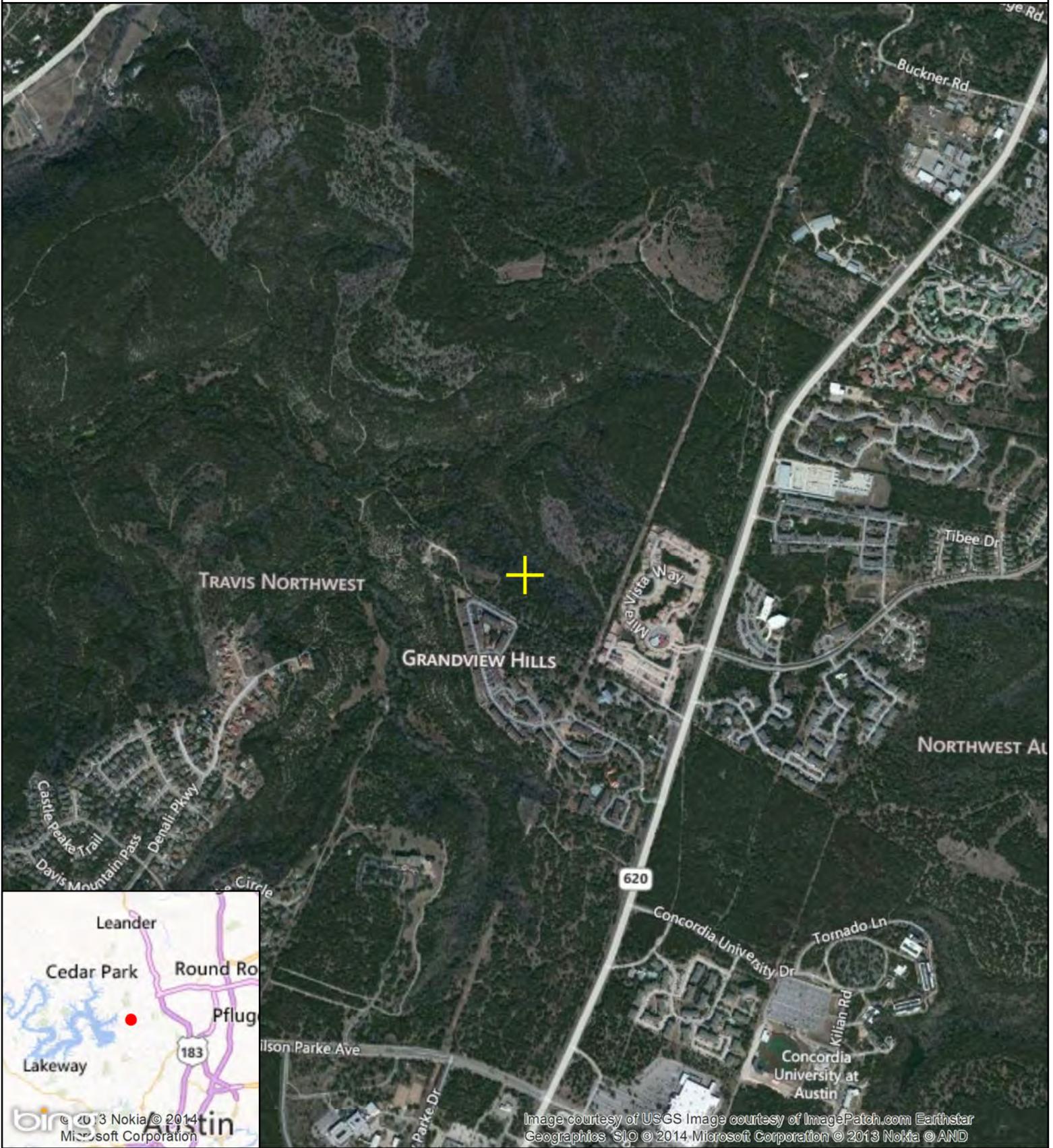


Image courtesy of USGS Image courtesy of ImagePatch.com Earthstar Geographics SIO © 2014 Microsoft Corporation © 2013 Nokia © AND

Plot radius = 48 feet

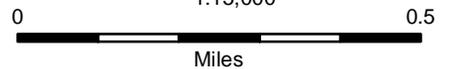
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Miles

2014 Austin Urban FIA



Plot radius = 48 feet

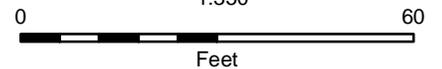
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Lat: **30° 22' 7.007"**

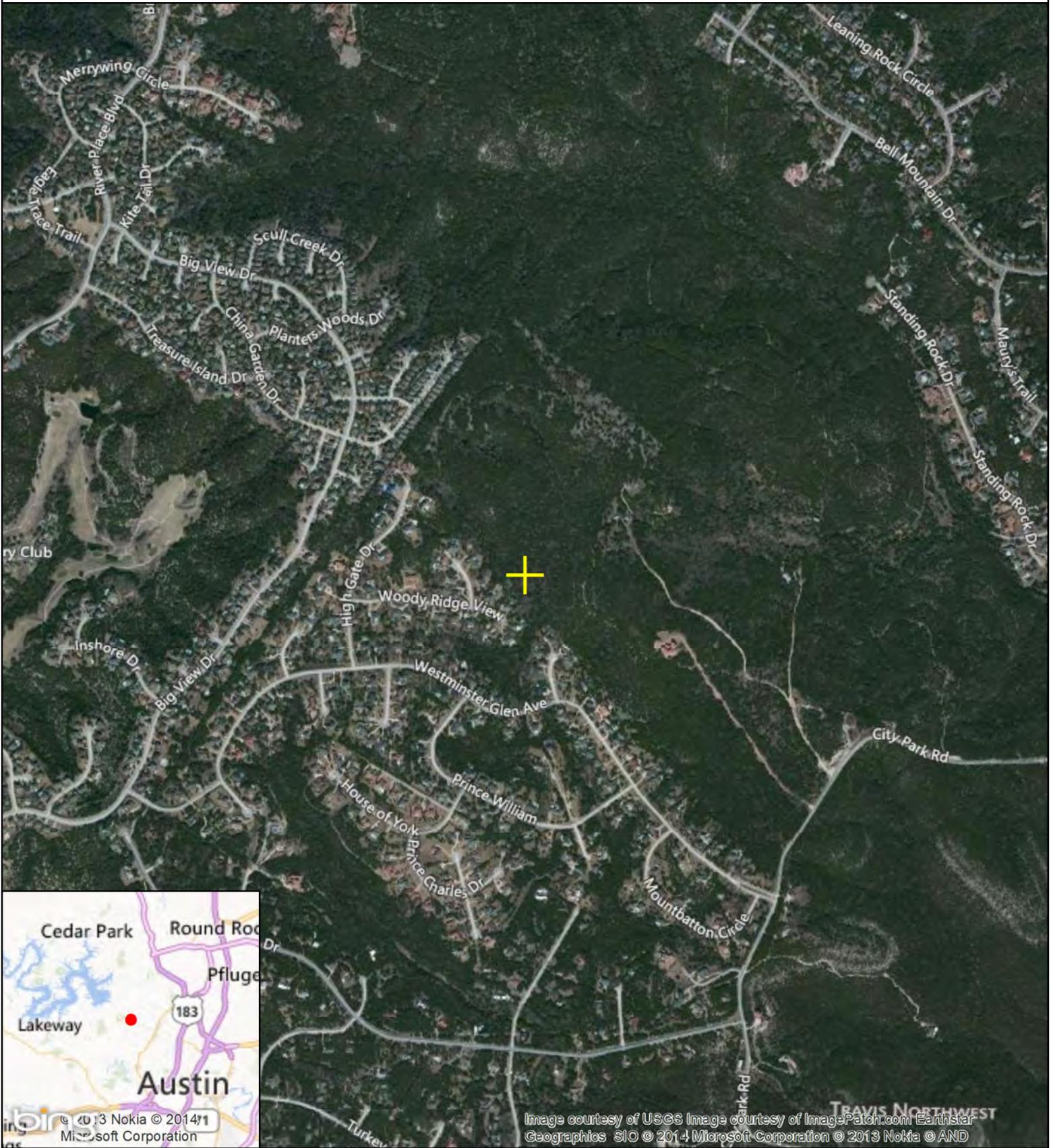
Lon: **-97° 50' 22.517"**



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2014 Austin Urban FIA



Plot radius = 48 feet

PlotID: **453-460**

Lat: **30° 22' 7.007"**

Lon: **-97° 50' 22.517"**



1:15,000



Miles

2014 Austin Urban FIA



CITY OF AUSTIN
ATTN: REAL ESTATE SERVICES DIVISION
PO BOX 1088
AUSTIN, TX 78767



Plot radius = 48 feet

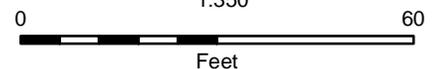
PlotID: **453-446**

Lat: **30° 23' 24.958"**

Lon: **-97° 48' 31.565"**

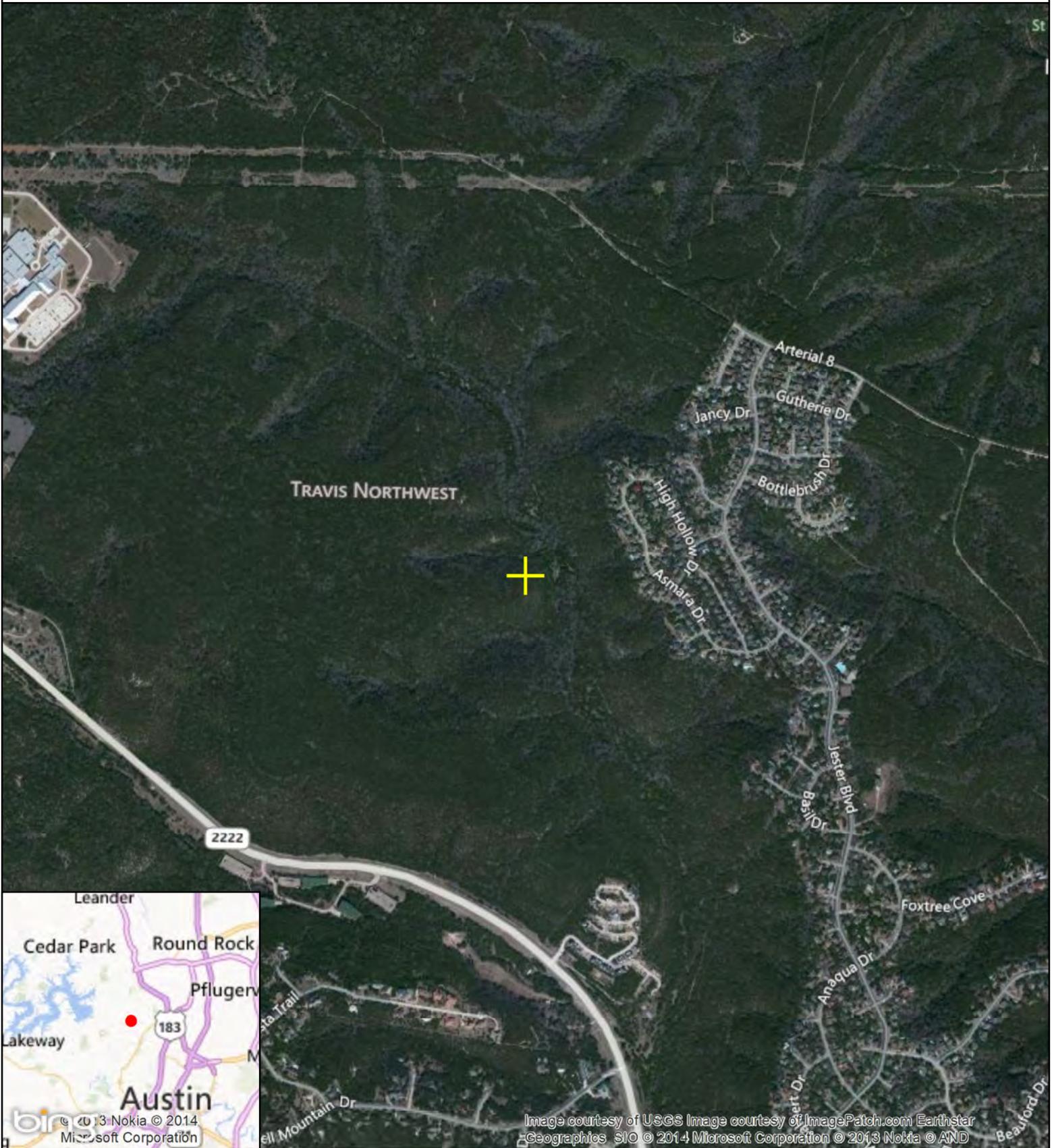


1:350



Feet

2014 Austin Urban FIA



Plot radius = 48 feet

PlotID: **453-446**

Lat: **30° 23' 24.958"**

Lon: **-97° 48' 31.565"**



1:15,000



Miles

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CITY OF AUSTIN
PO BOX 1088
AUSTIN, TX 78767



Plot radius = 48 feet

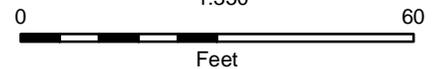
PlotID: **453-459**

Lat: **30° 23' 14.456"**

Lon: **-97° 49' 53.450"**

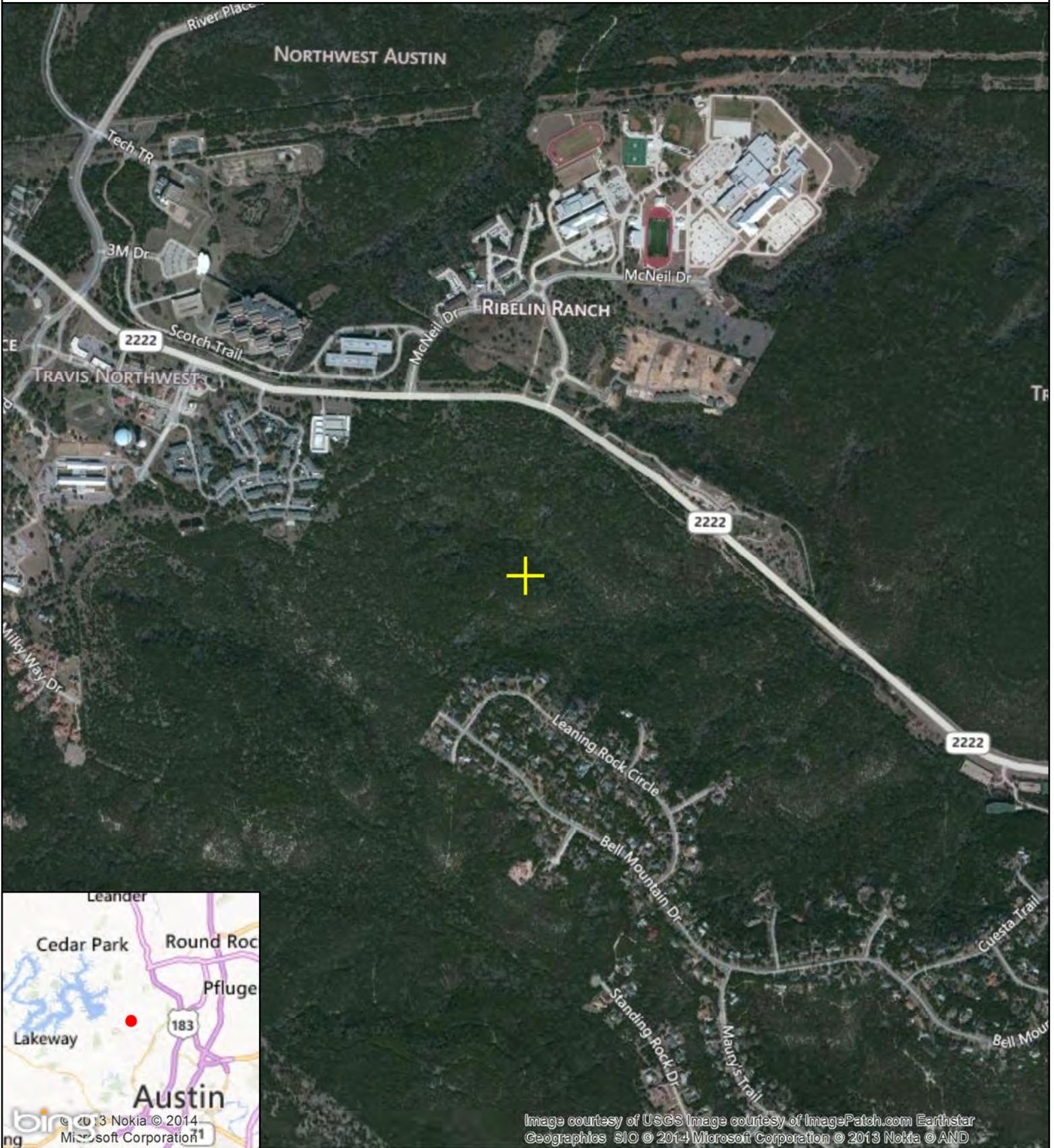


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Feet

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Miles

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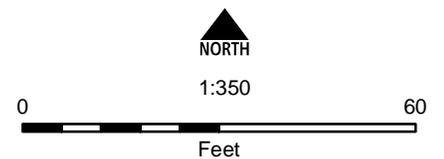
CITY OF AUSTIN
ATTN REAL ESTATE SERVICE
PO BOX 1088
AUSTIN, TX 78767

Plot radius = 48 feet

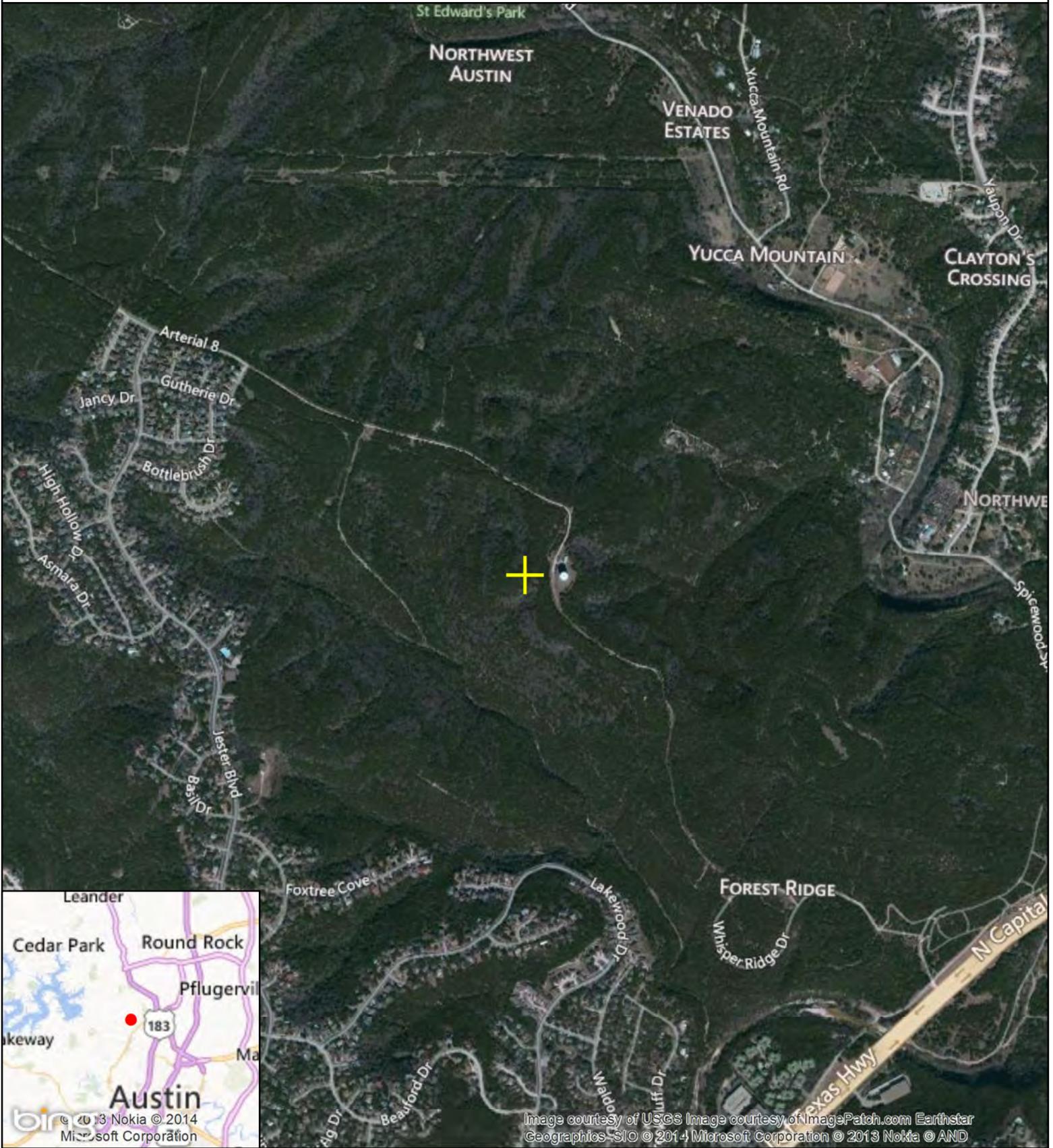
PlotID: **453-448**

Lat: **30° 23' 24.684"**

Lon: **-97° 47' 23.334"**



2014 Austin Urban FIA



Plot radius = 48 feet

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Lat: **30° 23' 24.684"**

Lon: **-97° 47' 23.334"**



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