

Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date: January 09, 2013
AT&T Site Name: 368-317
Oracle Project Number: TBD
FA Location Number: 10031216
City: Chapel Hill
County: Orange
State: North Carolina
Zip Code: 37037
Site Type: Greenfield
Due Date for Candidate Sites: February 09, 2013

Cell Site Requirements:

Approximate Latitude: N 35.846782
Approximate Longitude: W -79.025641
Approximate Ground Elevation: 255 feet AMSL
Approximate Antenna Centerline: 195 feet AGL
Approximate Total Height: 450 feet AMSL
Search area Radius: 0.3 miles

Cell Site Objectives

The attached maps represent the search area for cell site, **368-317**. This new site is required to improve outdoor coverage in residential areas along Mount Carmel Church Road south of Chapel Hill, NC.

AT&T Classification: Coverage. 2013 PAL1 CBO.

Comments

Possible Duke/Progress transmission tower co-location, however achieving the required rad center is a RF concern.

Jerry O. Jones

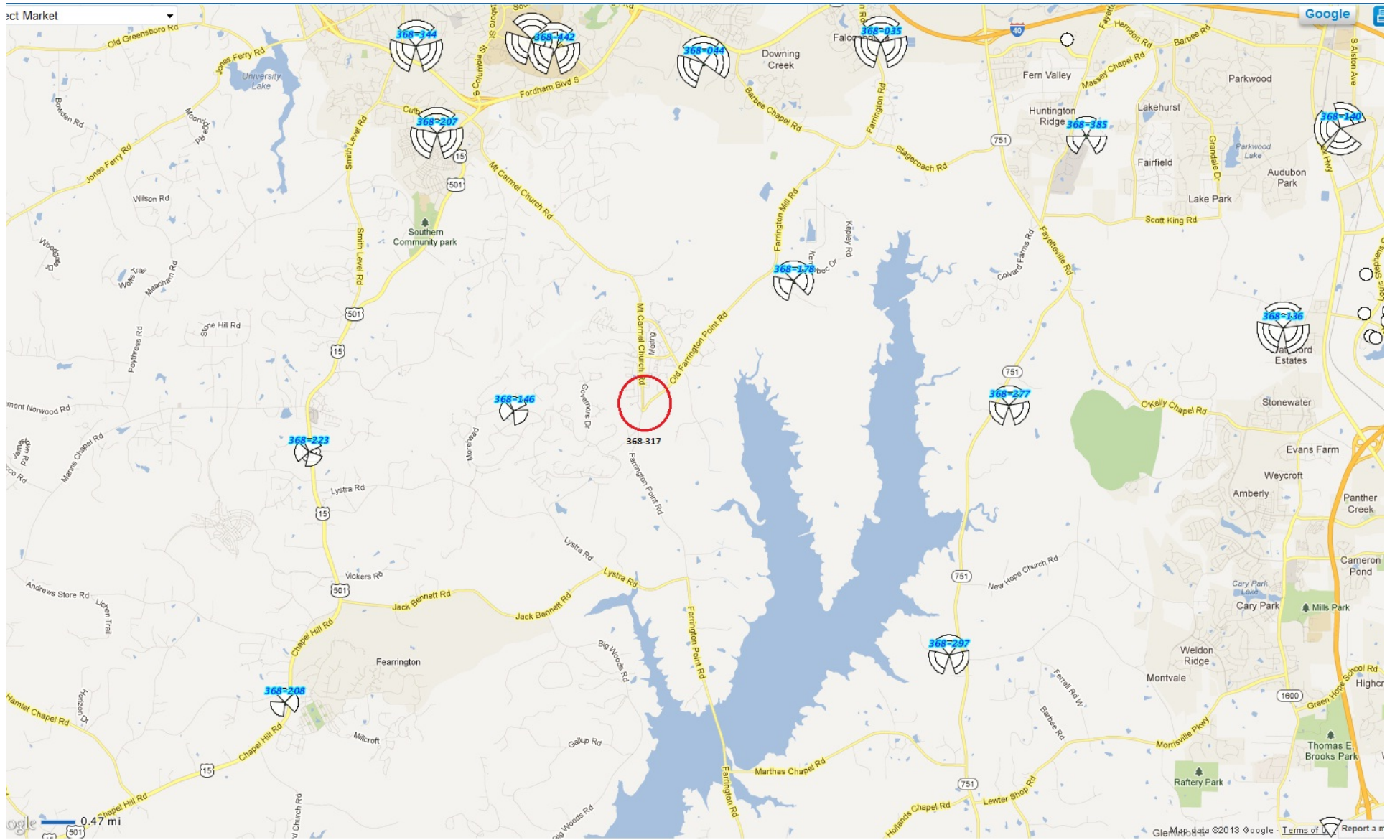
David LaCava

RF Manager: _____

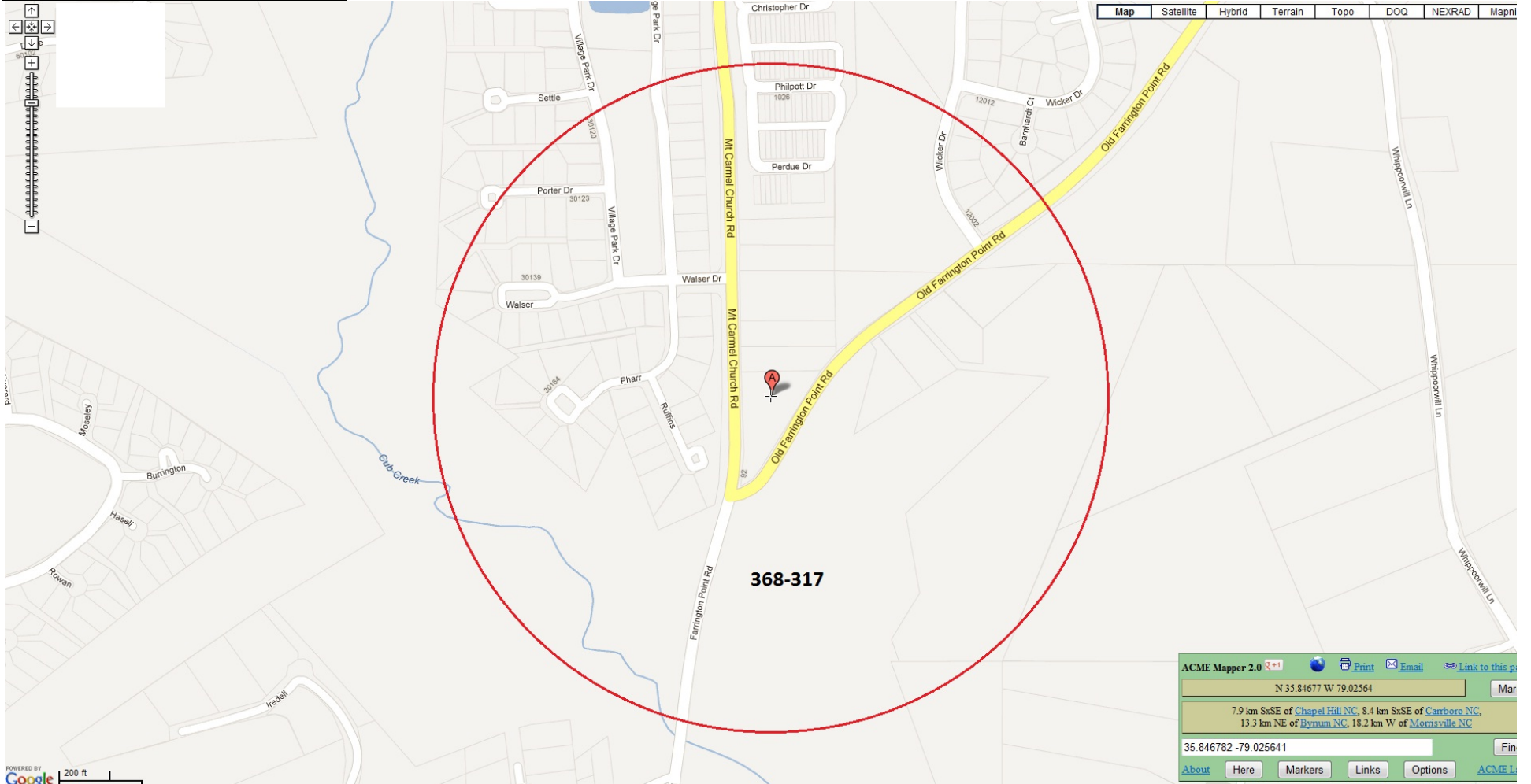
RF Engineer: _____

Attachments: (1) Area map with surrounding sites.
(2) Zoomed street map with search ring.
(3) Zoomed Satellite view with search ring.

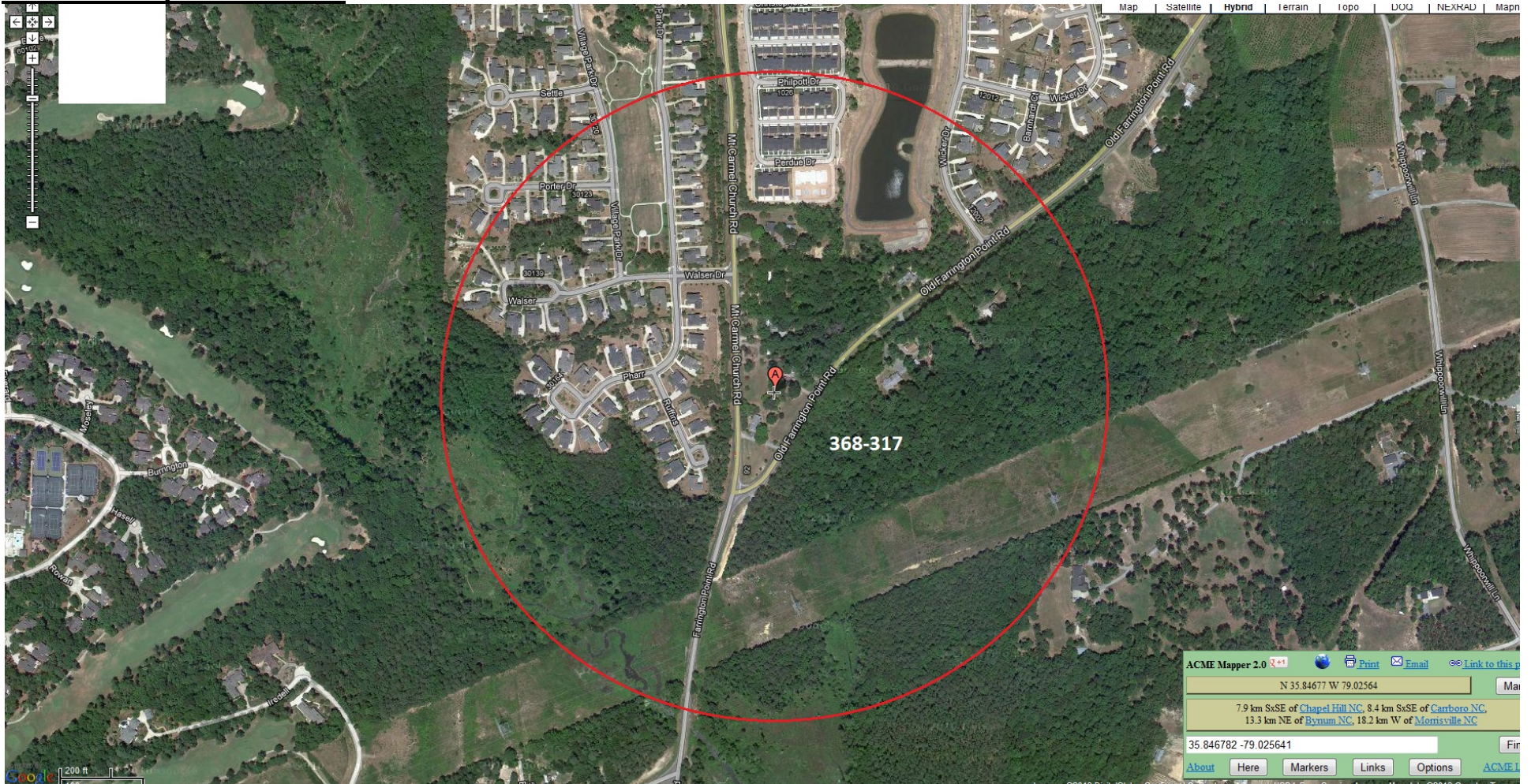
Search Ring for 368-317



Zoomed Map for 368-317



Satellite Map for 368-317



Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date:	January 09, 2013
AT&T Site Name:	368-386
Oracle Project Number:	TBD
FA Location Number:	10040665
City:	Chapel Hill
County:	Chatham
State:	North Carolina
Zip Code:	27516
Site Type:	Greenfield
Due Date for Candidate Sites:	February 09, 2013

Cell Site Requirements:

Approximate Latitude:	N 35.860547
Approximate Longitude:	W -79.083731
Approximate Ground Elevation:	564 feet AMSL
Approximate Antenna Centerline:	199 feet AGL
Approximate Total Height:	763 feet AMSL
Search area Radius:	0.3 miles

Cell Site Objectives

The attached maps represent the search area for cell site, **368-386**. This new infill site is required to provide enhanced coverage along Hwy 15-501 between Manns Chapel Road and Smith Level Road.

AT&T Classification: Coverage. 2013 PAL1 CBO.

Comments

Jerry O. Jones

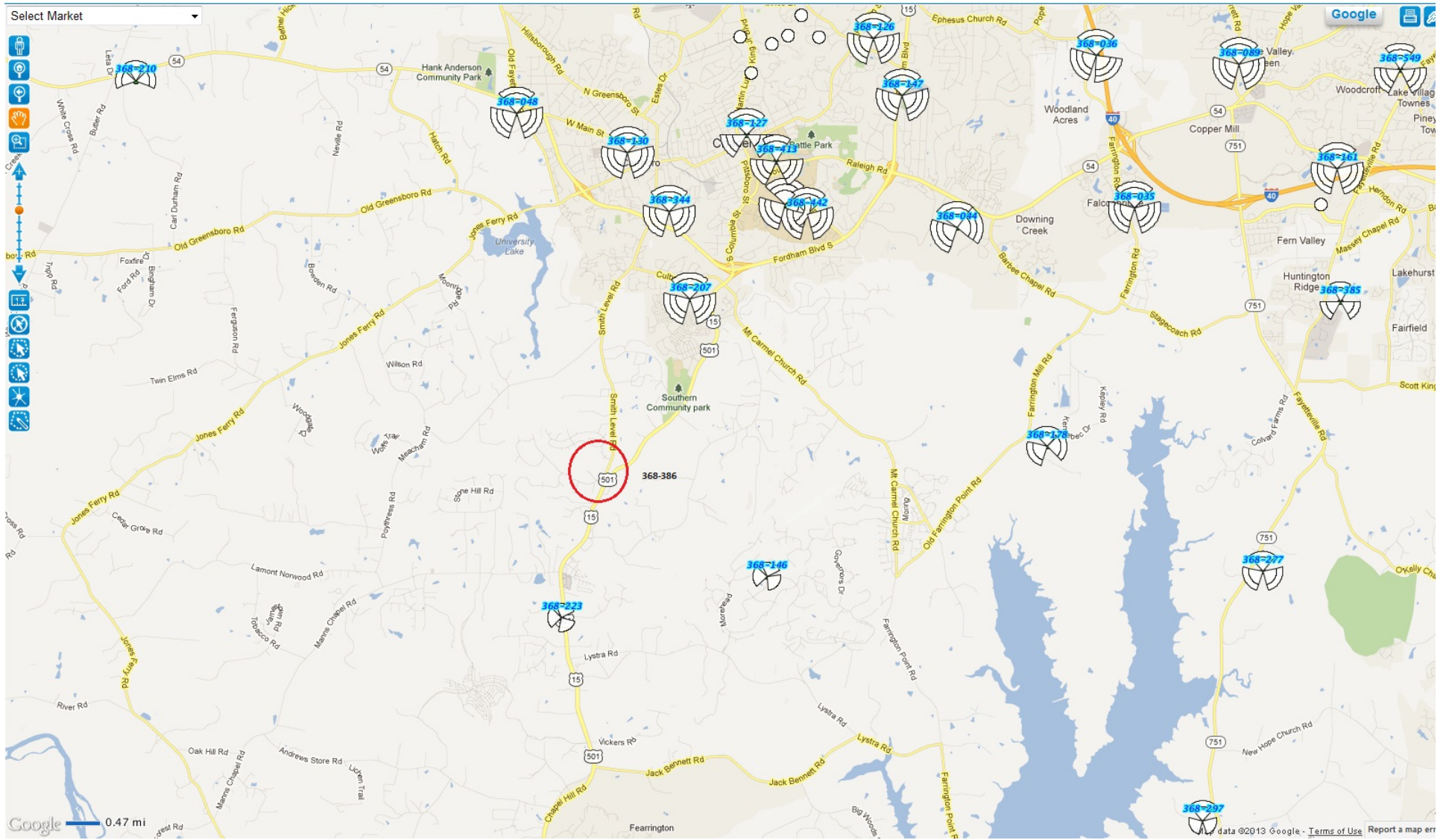
David LaCava

RF Manager:

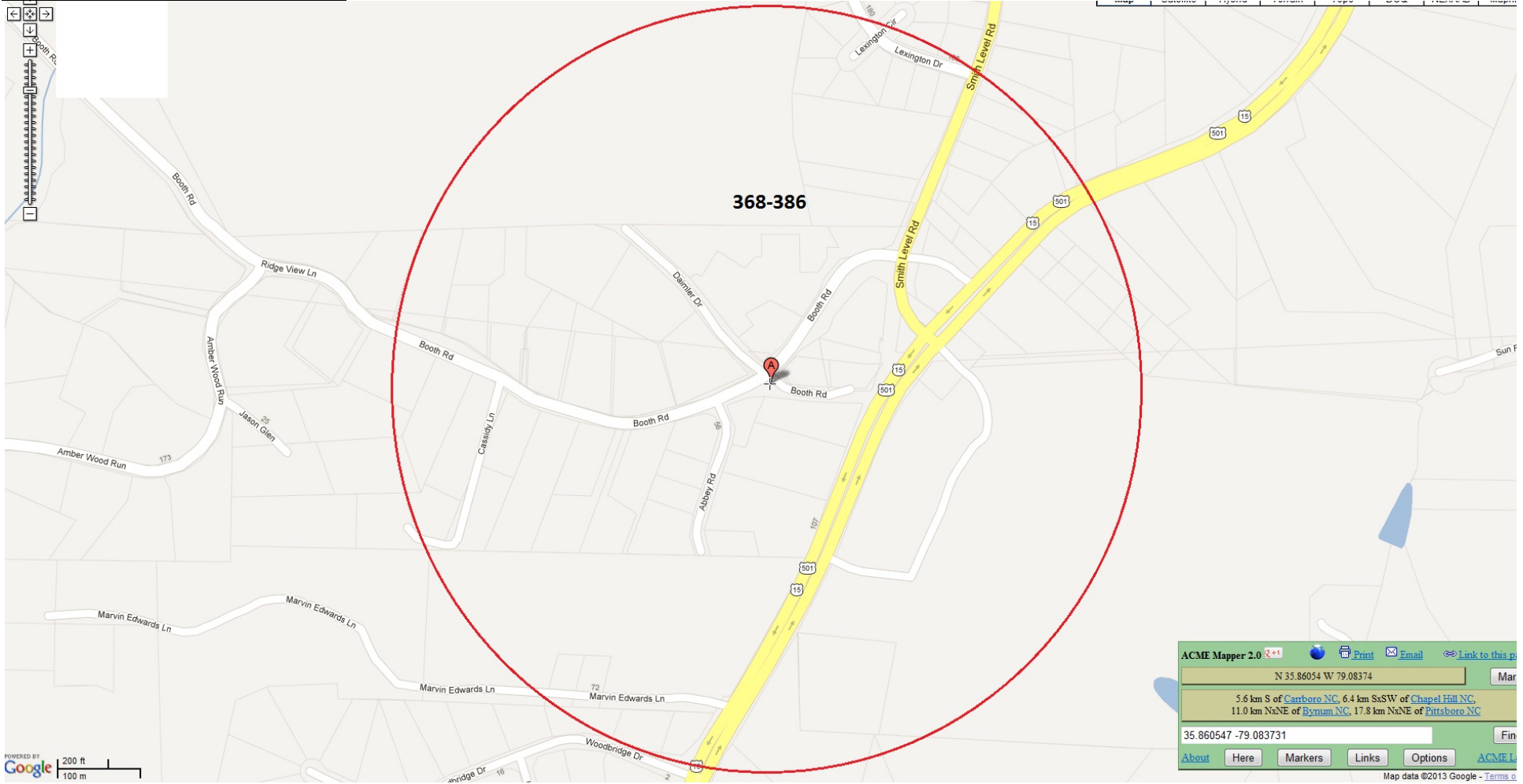
RF Engineer:

Attachments: (1) Area map with surrounding sites.
(2) Zoomed street map with search ring.
(3) Zoomed Satellite view with search ring.

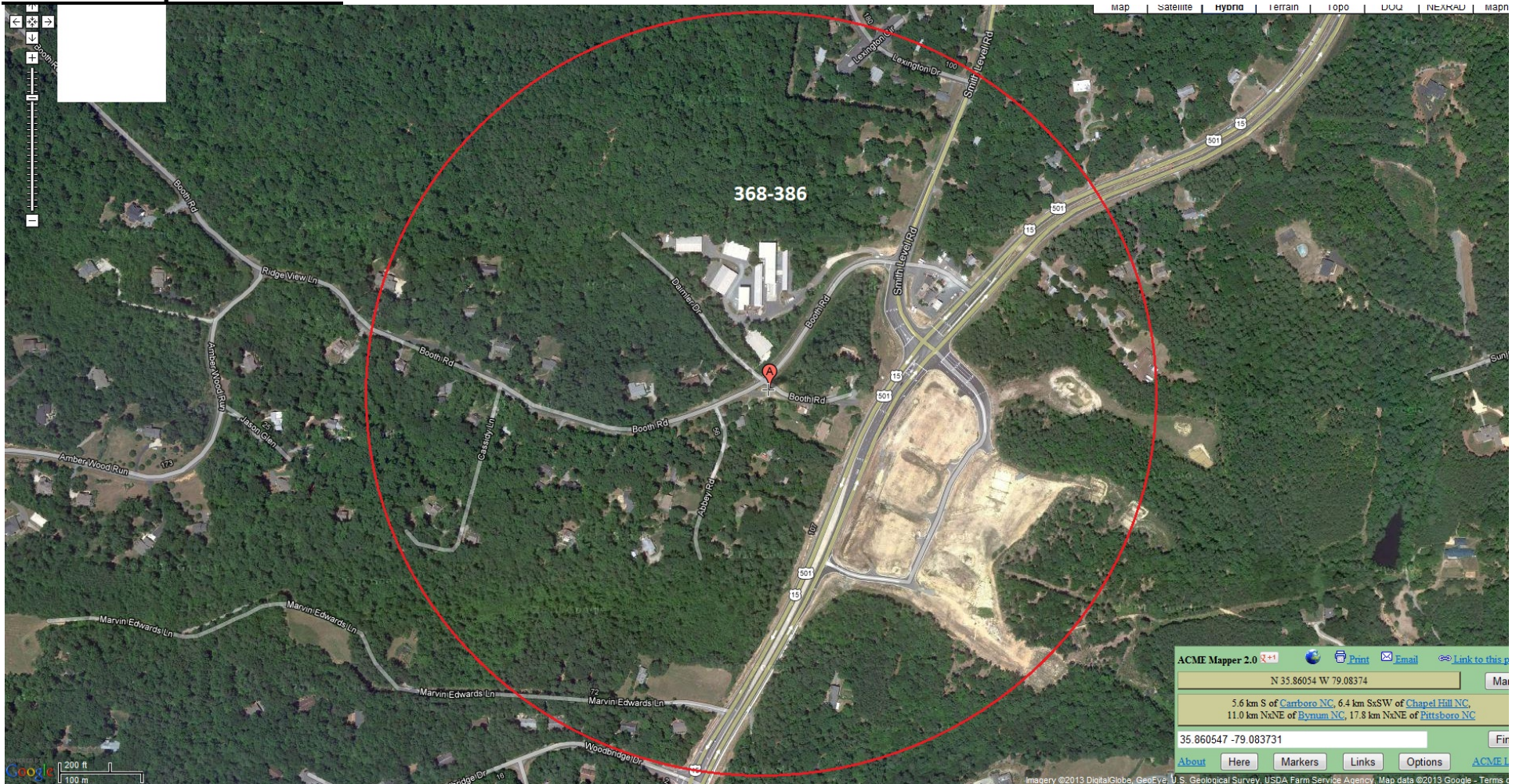
Search Ring for 368-386



Zoomed Map for 368-386



Satellite Map for 368-386



Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date:	January 15, 2013
AT&T Site Name:	368-453
Oracle Project Number:	2301003537
FA Location Number:	10065451
City:	Carrboro
County:	Chatham
State:	North Carolina
Zip Code:	27312
Site Type:	Co-Location
Due Date for Candidate Sites:	February 15, 2013

Cell Site Requirements:

Approximate Latitude:	N 35.866667
Approximate Longitude:	W -79.166528
Approximate Ground Elevation:	741.28 feet AMSL
Approximate Antenna Centerline:	250 feet AGL
Approximate Total Height:	991.28 feet AMSL
Search area Radius:	0.6 miles

Cell Site Objectives

The attached maps represent the search area for cell site, **368-453**. This new site is required to improve coverage for Residential Area along Jones Ferry Road in **Chatham, NC**.

AT&T Classification: Coverage/Whitespace/2013 PAL1.

Comments

Targeted ATC #311,110 co-location.

Jerry O. Jones

LACAVA, DAVID J

RF Manager: _____

RF Engineer: _____

Attachments: (1) Zoomed Satellite view with targeted co-location.

Search Ring for 368-453



Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date: October 29, 2012
AT&T Site Name: 368-466
Oracle Project Number: 2301003539
FA Location Number: 10116328
City: Cary
County: Wake
State: North Carolina
Zip Code: 27502
Site Type: Greenfield
Due Date for Candidate Sites: November 29, 2012

Cell Site Requirements:

Approximate Latitude: N 35.833703
Approximate Longitude: W -78.929417
Approximate Ground Elevation: 450 feet AMSL
Approximate Antenna Centerline: 199 feet AGL
Approximate Total Height: 649 feet AMSL
Search area Radius: 0.3 miles

Cell Site Objectives

The attached maps represent the search area for cell site, **368-466**. This new site is required to provide new coverage in northwest Cary, west of Interstate 540.

AT&T Classification: Coverage / Densification / Detractors. October 2012 PAL4.

For a candidate site to be considered suitable, the total height specification must be able to be met.

Comments

Stealth monopole.

Jerry O. Jones

David J. LaCava

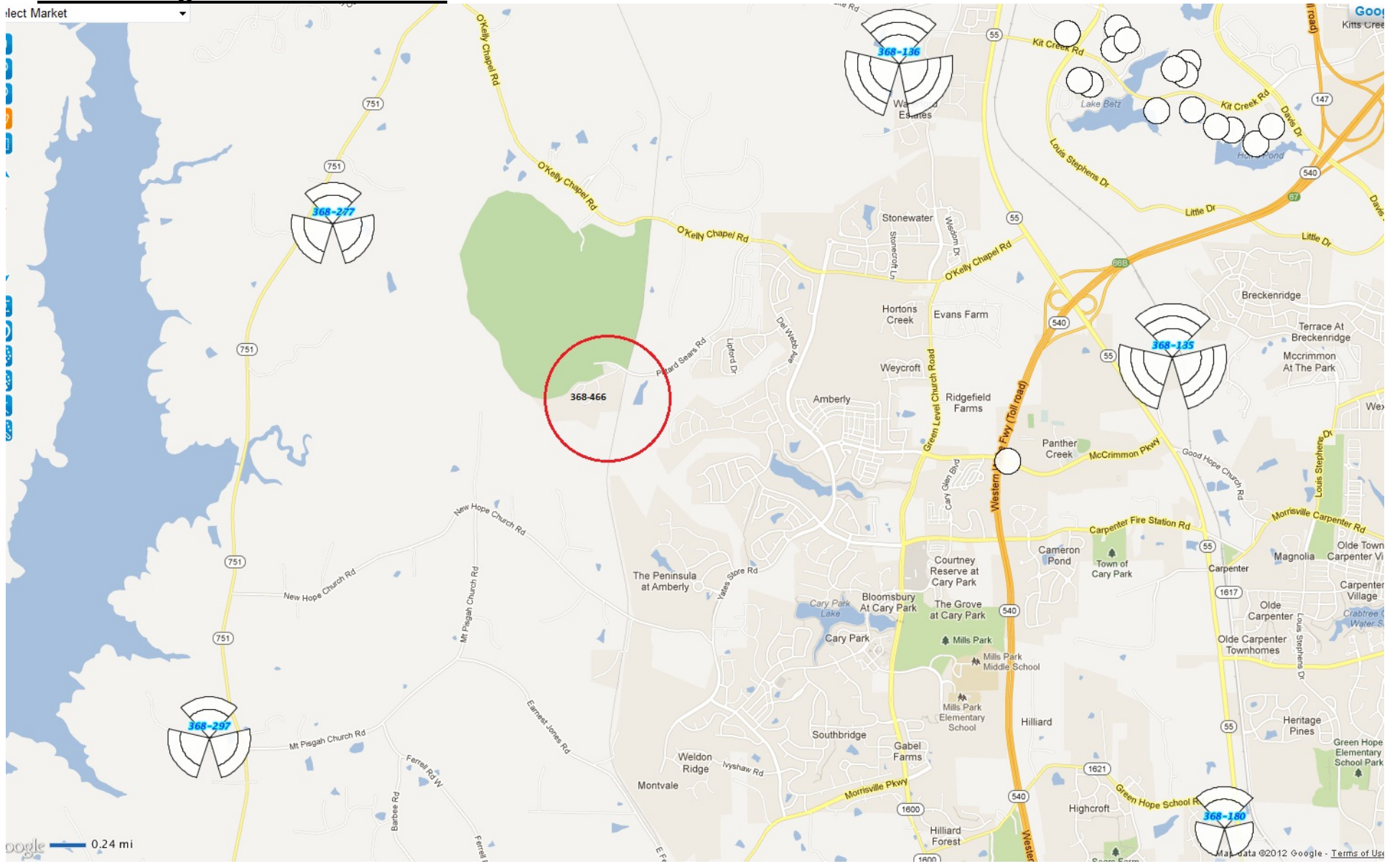
RF Manager: _____

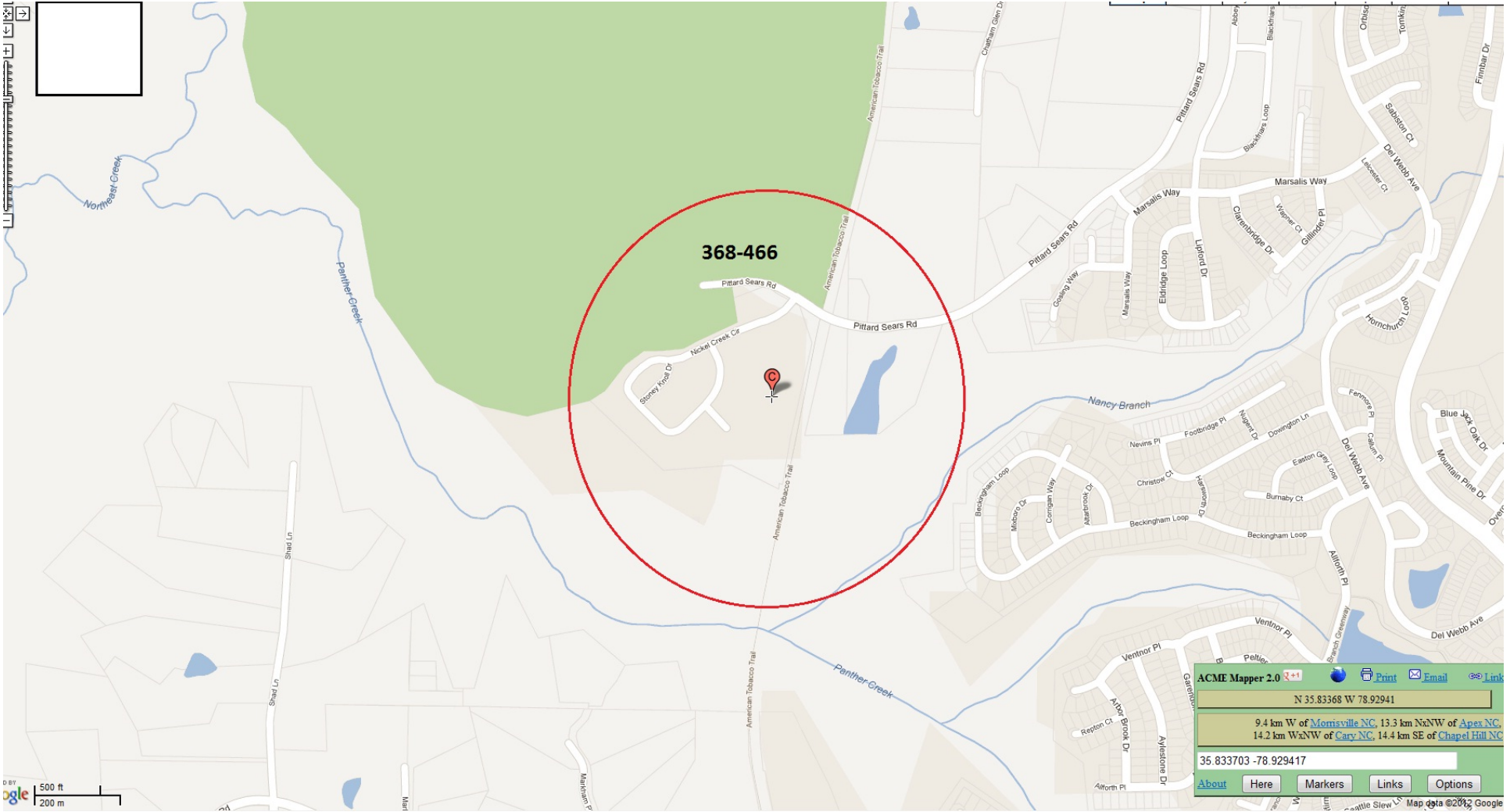
RF Engineer: _____

Attachments: (1) Area map with surrounding sites.
(2) Zoomed street map with search ring.
(3) Zoomed Satellite view with search ring.




Search Ring for 368-466 / Futrell

lect Market





500 ft
200 m

ACME Mapper 2.0   

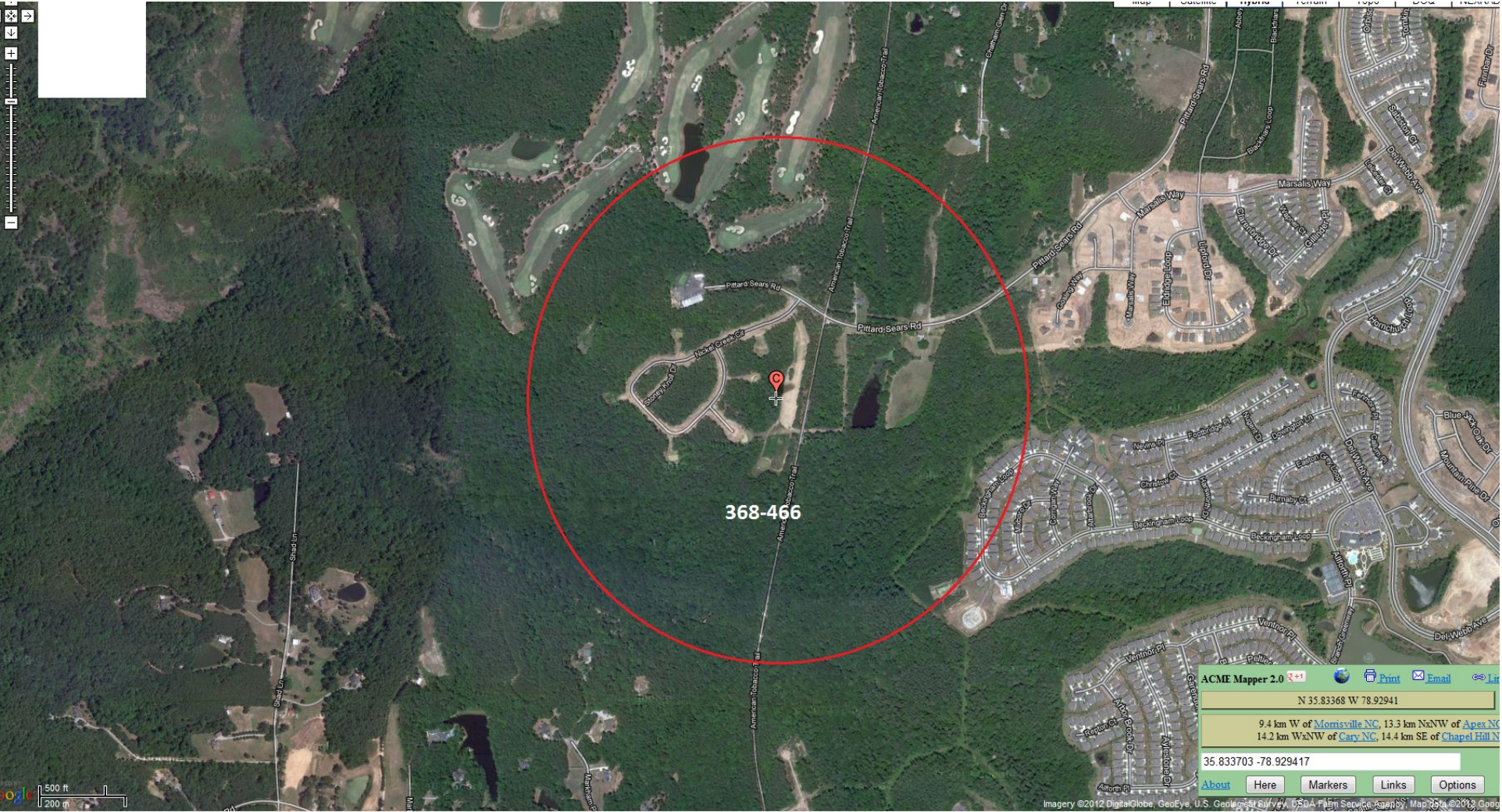
N 35.83368 W 78.92941

9.4 km W of [Momsville NC](#), 13.3 km N_W of [Apex NC](#),
14.2 km W₂NW of [Cary NC](#), 14.4 km SE of [Chapel Hill NC](#)




35.833703 -78.929417

[About](#) [Here](#) [Markers](#) [Links](#) [Options](#)

Map data ©2013 Google



368-466

ACME Mapper 2.0   

N 35.83368 W 78.92941

9.4 km W of [Mooresville, NC](#), 13.3 km N of [Apex, NC](#)
 14.2 km W of [Cary, NC](#), 14.4 km SE of [Chapel Hill, NC](#)

35 833703 -78.929417

[About](#) [Here](#) [Markers](#) [Links](#) [Options](#)

Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date:	November 01, 2012
AT&T Site Name:	368-512
Oracle Project Number:	2301509987
FA Location Number:	10116311
City:	Pittsboro
County:	Chatham
State:	North Carolina
Zip Code:	27312
Site Type:	Greenfield
Due Date for Candidate Sites:	December 01, 2012

Cell Site Requirements:

Approximate Latitude:	N 35.781915
Approximate Longitude:	W -79.309613
Approximate Ground Elevation:	944 feet AMSL
Approximate Antenna Centerline:	300 feet AGL
Approximate Total Height:	1244 feet AMSL
Search area Radius:	0.3 miles

Cell Site Objectives

The attached maps represent the search area for cell site, **368-512**. This new coverage site is required to provide connecting coverage into the Greensboro market along Highway 87 north of Pittsboro.

AT&T Classification: Coverage / Densification / Executive Request / Non-overlap / BIC Parity.
October 2012 PAL4.

For a candidate site to be considered suitable, the total height specification must be able to be met.

Comments

SARF revision 1.

Jerry O. Jones

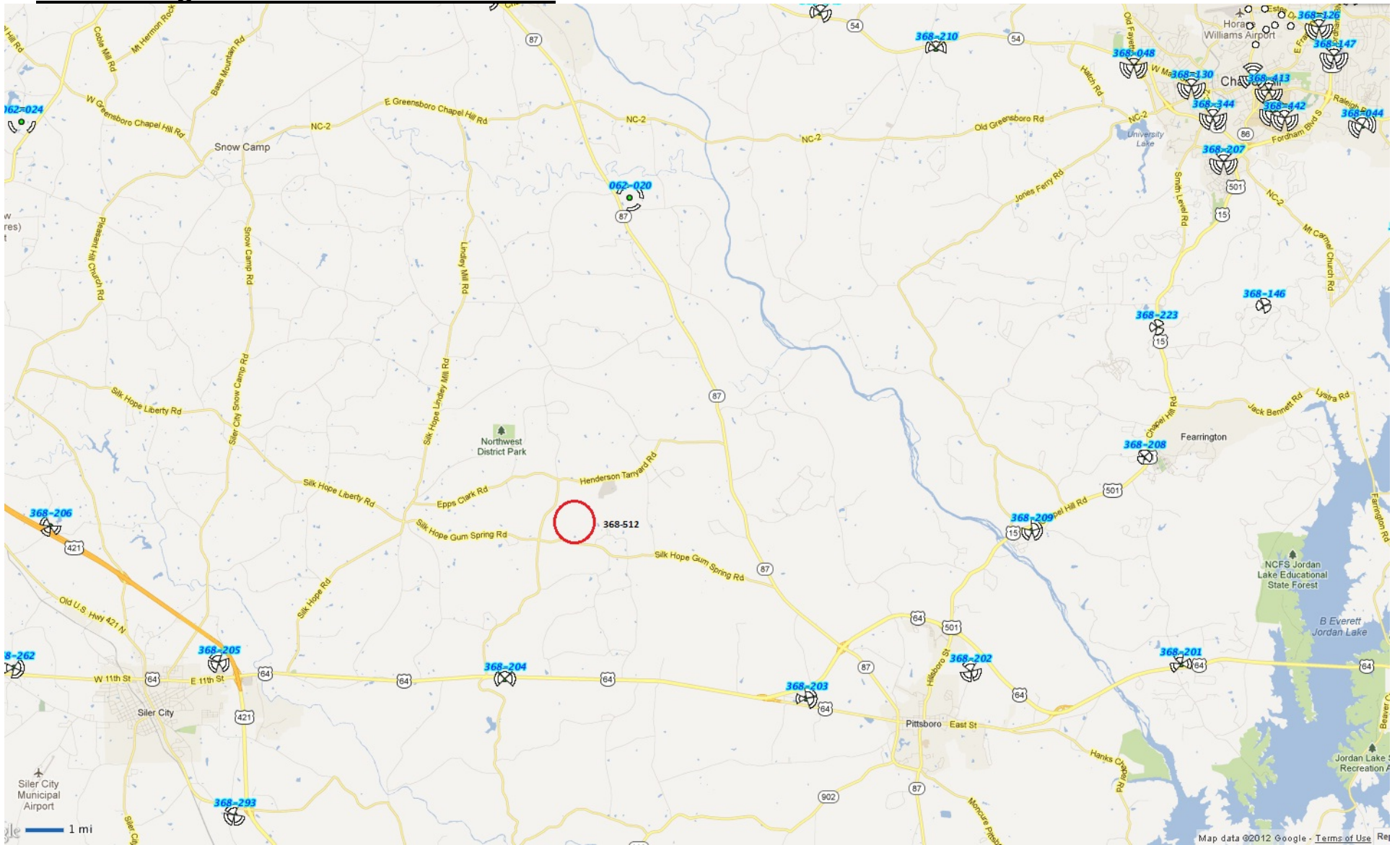
David J. LaCava

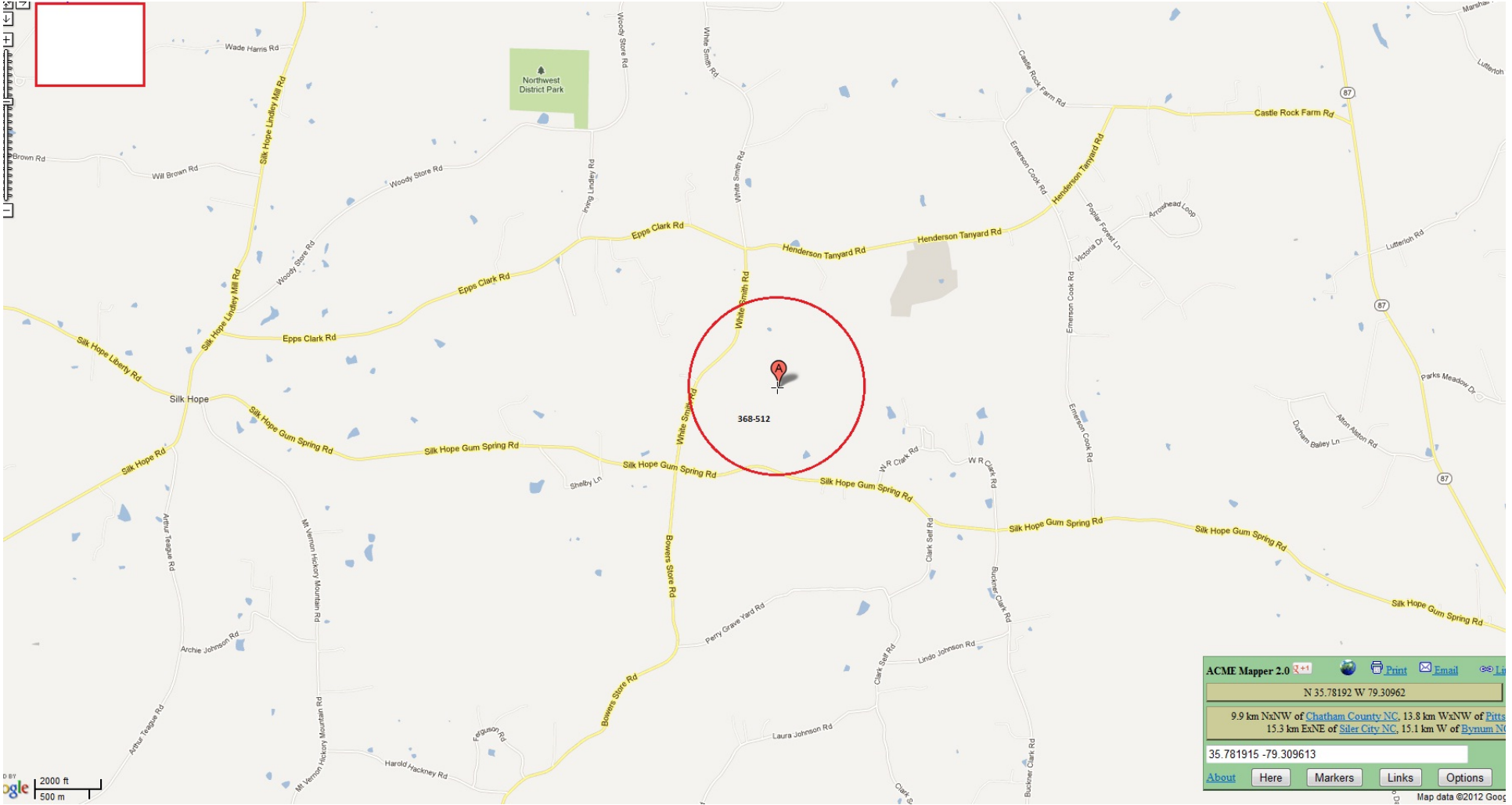
RF Manager:

RF Engineer:

Attachments: (1) Area map with surrounding sites.
(2) Zoomed street map with search ring.
(3) Zoomed Satellite view with search ring.

Search Ring for 368-512 / Emerson Cook





ACME Mapper 2.0   

N 35.78192 W 79.30962

9.9 km W of Chatham County NC, 13.8 km W of Pitts
15.3 km ENE of Siler City NC, 15.1 km W of Bynum NC

35.781915 -79.309613

[About](#) [Here](#) [Markers](#) [Links](#) [Options](#)

Map data ©2012 Google



Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date: January 23, 2013
AT&T Site Name: 368-543
Oracle Project Number: 2301003542
FA Location Number: 10154624
City: APEX
County: Chatham
State: North Carolina
Zip Code: 27502
Site Type: Greenfield, NSB
Due Date for Candidate Sites: February 23, 2013

Cell Site Requirements:

Approximate Latitude: N 35.772894
Approximate Longitude: W -79.049403
Approximate Ground Elevation: 288 feet AMSL
Approximate Antenna Centerline: 200 feet AGL
Approximate Total Height: 488 feet AMSL
Search area Radius: 0.6 miles (Rural)

Cell Site Objectives

The attached maps represent the search area for cell site, 368-543. This new site is required to fill up coverage hole in residential areas, north of Hwy 64 and also provide coverage around Jordan Lake area.

AT&T Classification: Coverage / White-Space / Non-Overlap and BIC Parity / PAL#1CWS, December 2012.

For a candidate site to be considered suitable, the total height specification must be able to be met.

Comments

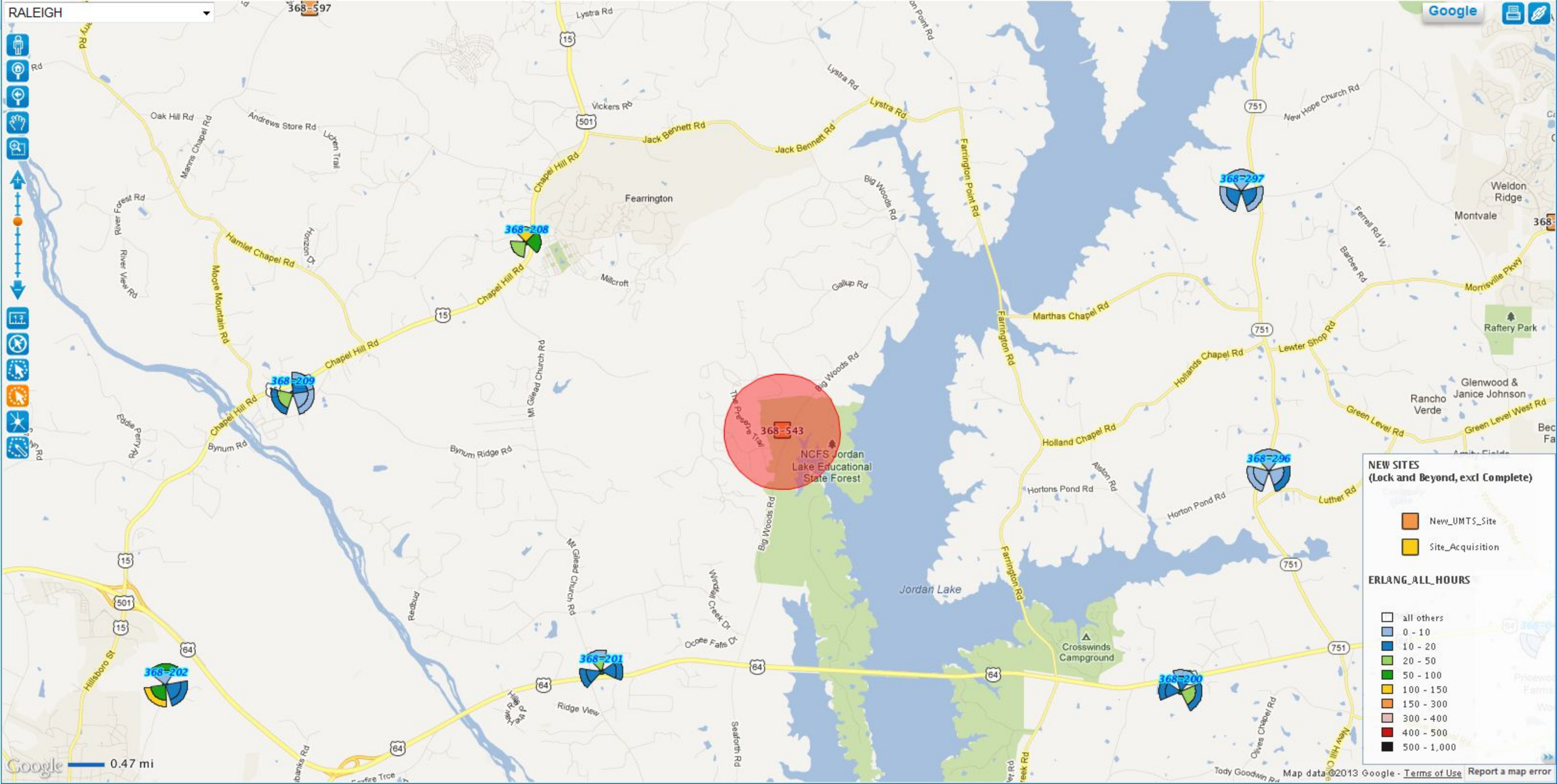
Jerry O. Jones

David LaCava

RF Manager: _____

RF Engineer: _____

Attachments: (1) Area map with surrounding sites.
(2) Zoomed area map with search ring.
(3) Zoomed Satellite hybrid view with search ring.



NEW SITES (Lock and Beyond, excl Complete)

- New_UMTS_Site
- Site_Acquisition

ERLANG_ALL_HOURS

- all others
- 0 - 10
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 150
- 150 - 300
- 300 - 400
- 400 - 500
- 500 - 1,000

368-543
NCFS Jordan Lake Educational State Forest

368-208

368-297

368-209

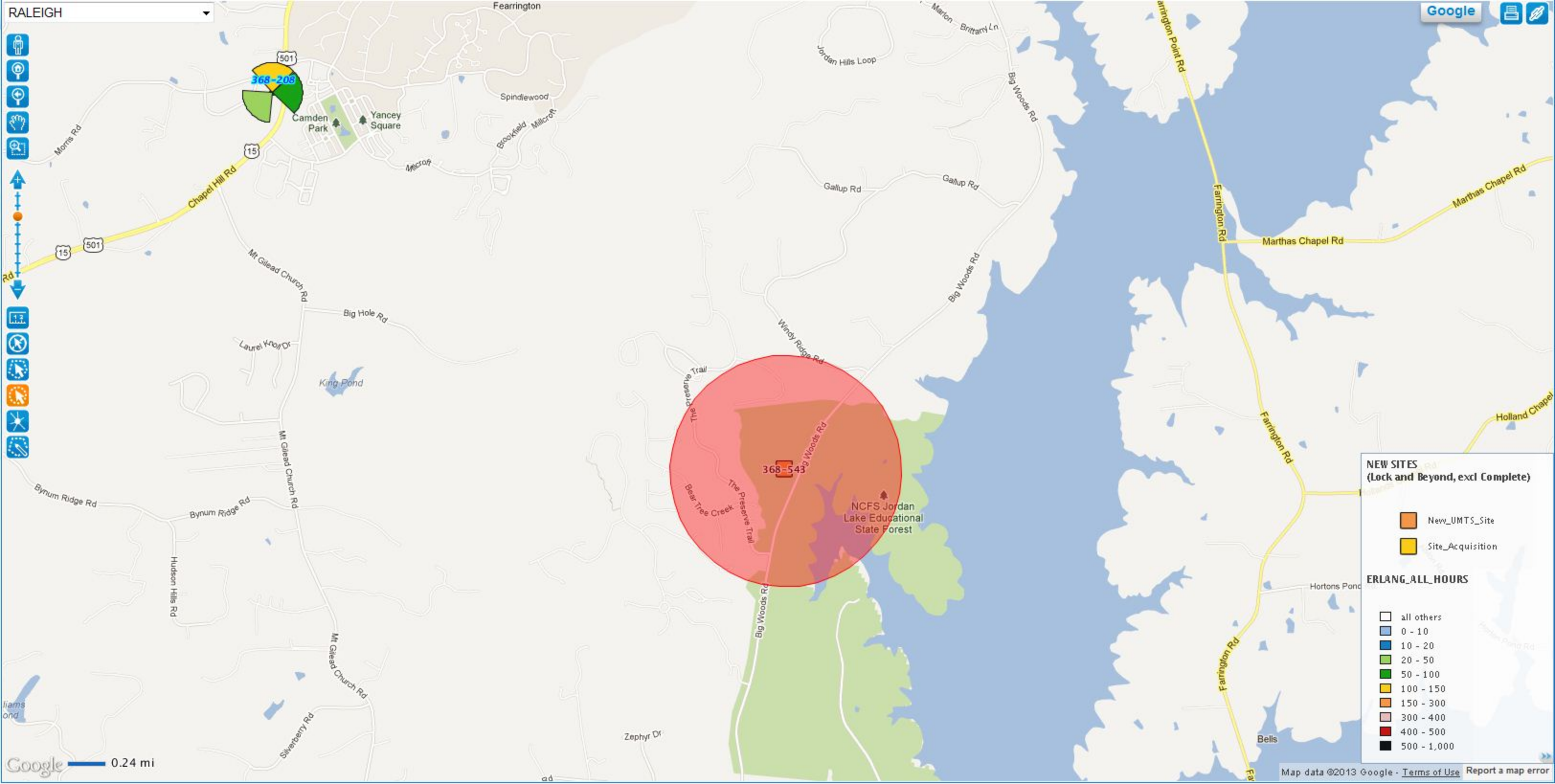
368-296

368-202

368-201

368-200

0.47 mi



**NEW SITES
(Lock and Beyond, excl Complete)**

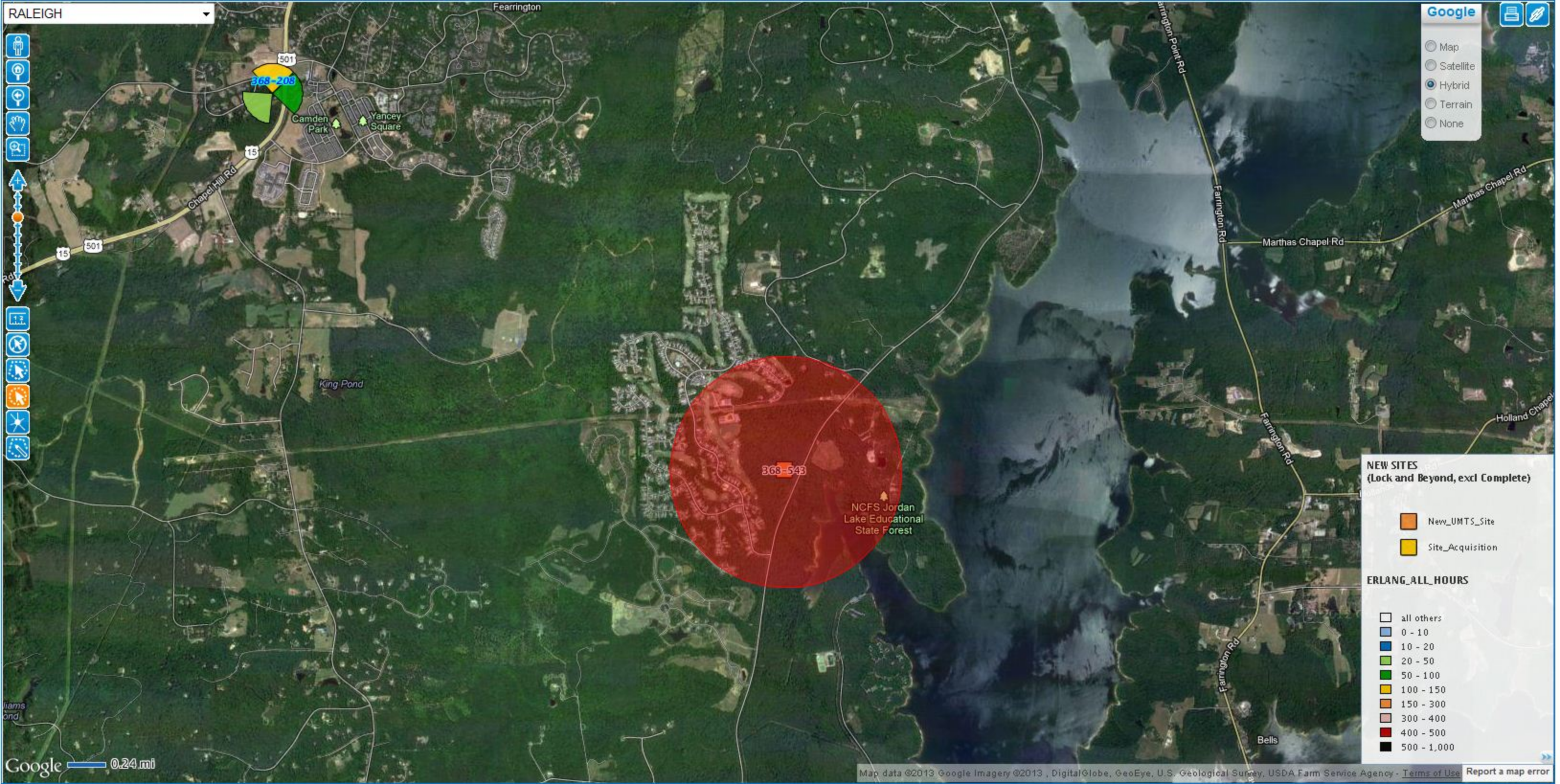
- New_UMTS_Site
- Site_Acquisition

ERLANG_ALL_HOURS

- all others
- 0 - 10
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 150
- 150 - 300
- 300 - 400
- 400 - 500
- 500 - 1,000



- Map
- Satellite
- Hybrid
- Terrain
- None



NEW SITES (Lock and Beyond, excl Complete)

- New_UMTS_Site
- Site_Acquisition

ERLANG_ALL_HOURS

- all others
- 0 - 10
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 150
- 150 - 300
- 300 - 400
- 400 - 500
- 500 - 1,000

Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date:	January 23, 2013
AT&T Site Name:	368-545
Oracle Project Number:	TBD
FA Location Number:	10132725
City:	Chapel Hill
County:	Orange
State:	NC
Zip Code:	27516
Site Type:	Greenfield
Due Date for Candidate Sites:	February 23, 2013

Cell Site Requirements:

Approximate Latitude:	N 35.861682
Approximate Longitude:	W -79.125703
Approximate Ground Elevation:	528 feet AMSL
Approximate Antenna Centerline:	195 feet AGL
Approximate Total Height:	723 feet AMSL
Search area Radius:	0.3 miles

Cell Site Objectives

The attached maps represent the search area for cell site, **368-545**. This new site is required to provide "new community" coverage southwest of Carrboro.

AT&T Classification: Coverage, 2013 PAL1 CBO.

Comments

Jerry O. Jones

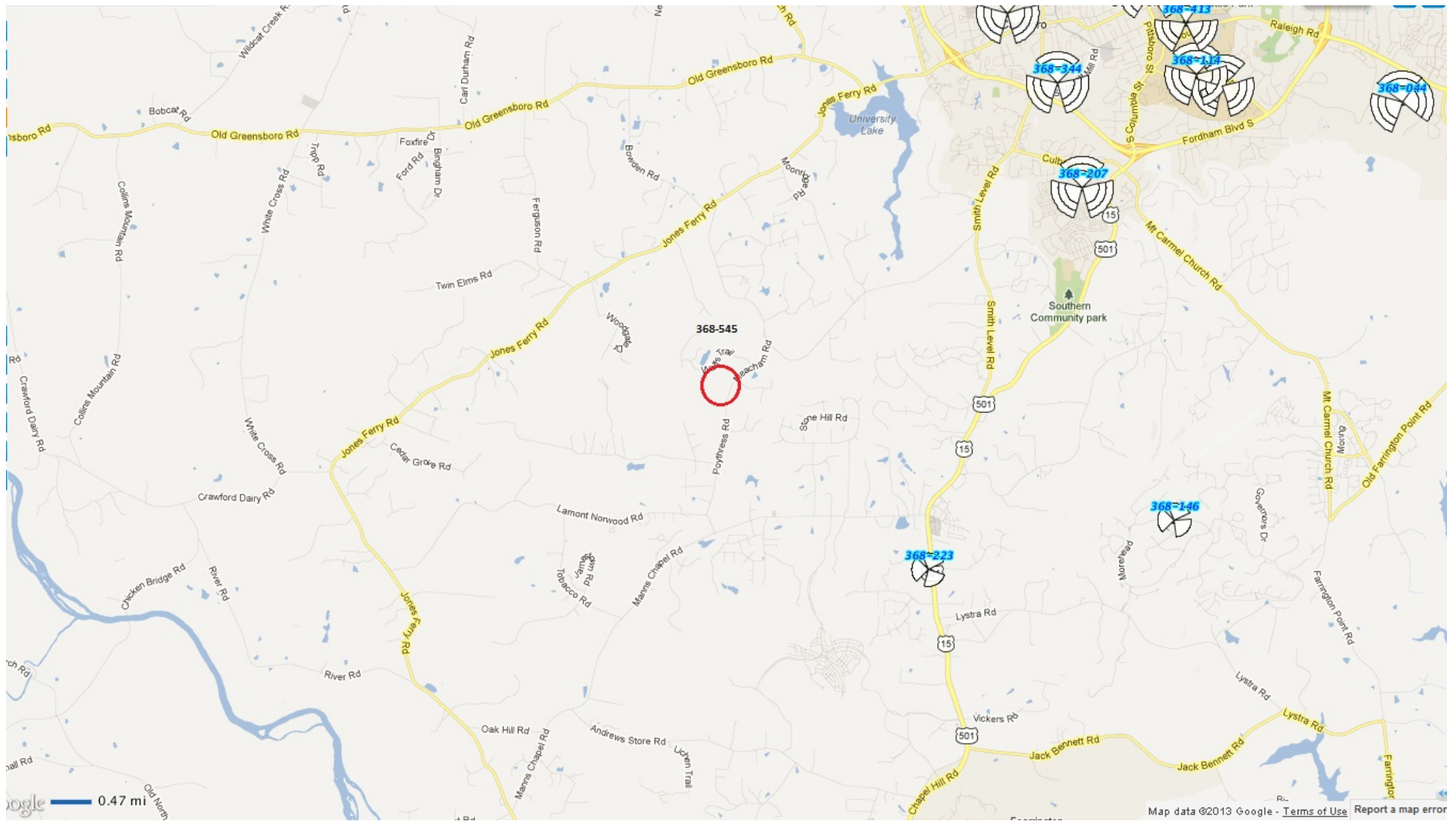
David LaCava

RF Manager: _____

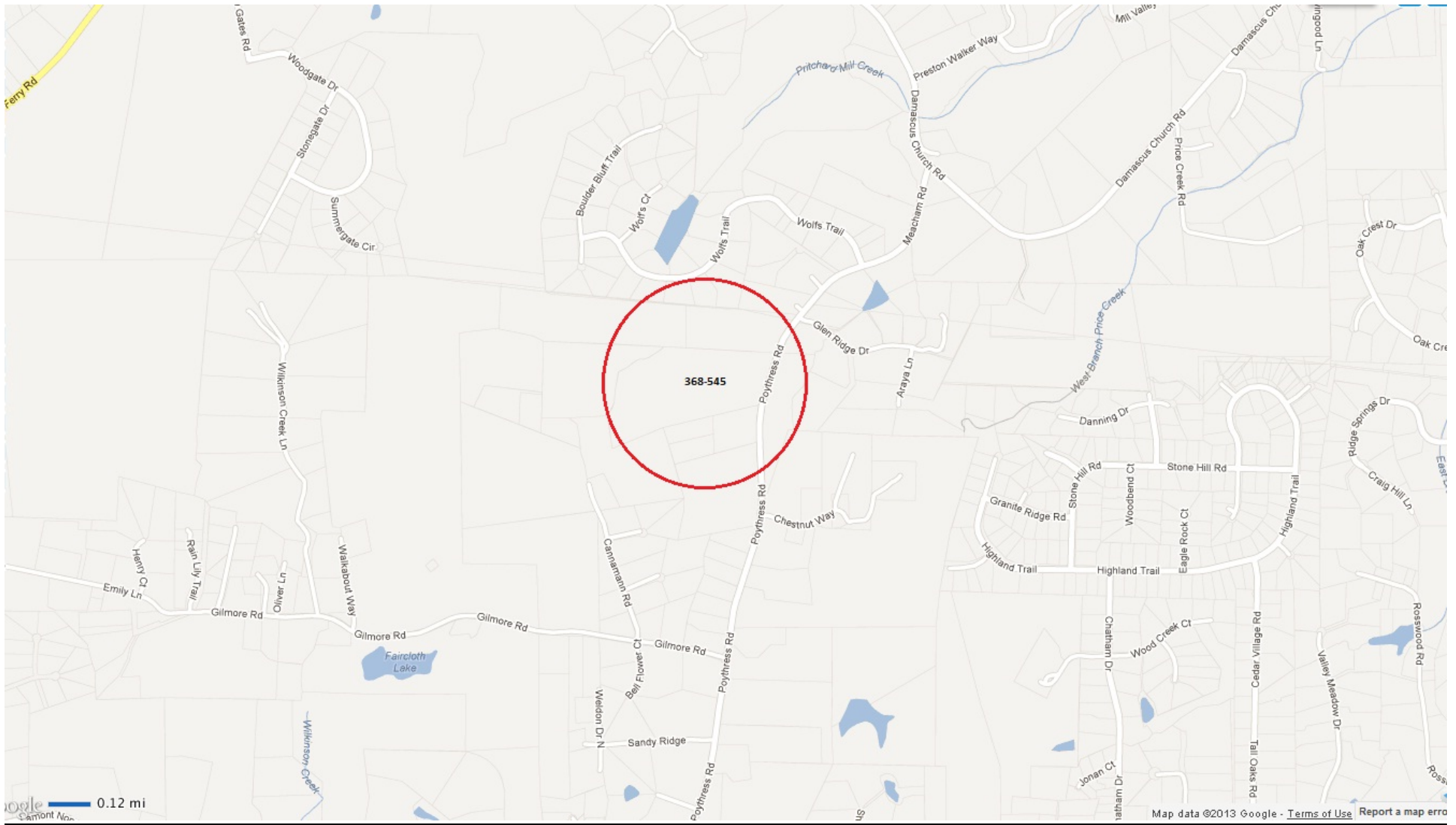
RF Engineer: _____

Attachments: (1) Area map with surrounding sites.
(2) Zoomed map.
(3) Zoomed satellite view.

Search Ring for 368-545



Zoomed Map for 368- 545



Zoomed Satellite Map for 368- 545



Site Acquisition Request Form (SARF) for AT&T Mobility Carolinas

AT&T Issue Date: January 23, 2013
AT&T Site Name: 368-597
Oracle Project Number: 2301003477
FA Location Number: 10154628
City: CHAPEL HILL
County: Chatham
State: North Carolina
Zip Code: 27312
Site Type: Greenfield, NSB
Due Date for Candidate Sites: February 23, 2013

Cell Site Requirements:

Approximate Latitude: N 35.834379
Approximate Longitude: W -79.133962
Approximate Ground Elevation: 492 feet AMSL
Approximate Antenna Centerline: 250 feet AGL
Approximate Total Height: 742 feet AMSL
Search area Radius: 0.6 miles (Rural)

Cell Site Objectives

The attached maps represent the search area for cell site, 368-597. This new site is required to provide coverage in the Chatham County along Manns Chapel road with all the residential areas.

AT&T Classification: Coverage / White-Space / Non-Overlap and BIC Parity / PAL#1CWS, December 2012.

For a candidate site to be considered suitable, the total height specification must be able to be met.

Comments

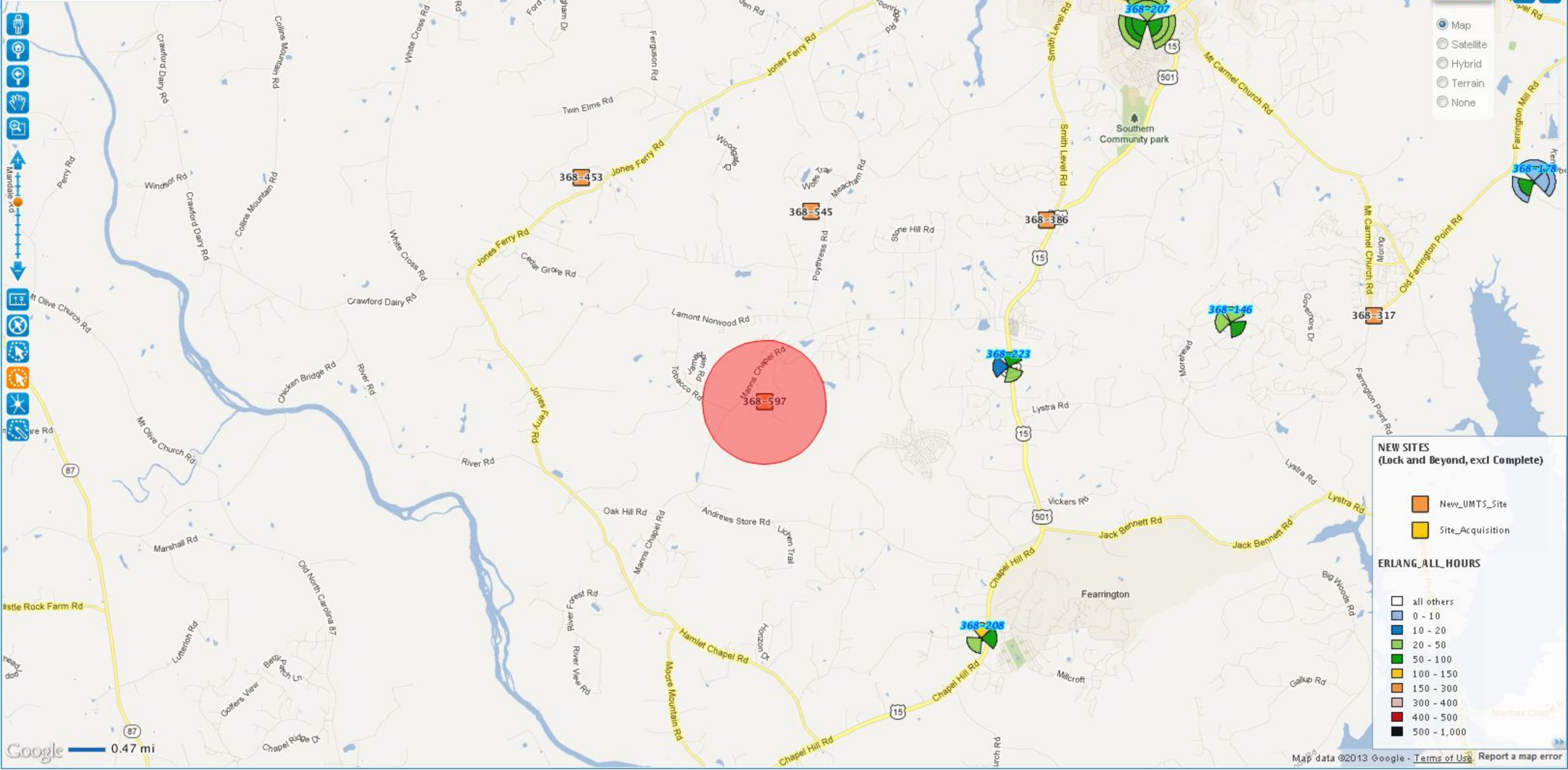
Jerry O. Jones

David LaCava

RF Manager: _____

RF Engineer: _____

Attachments: (1) Area map with surrounding sites.
(2) Zoomed area map with search ring.
(3) Zoomed Satellite hybrid view with search ring.













Map style selection:

- Map
- Satellite
- Hybrid
- Terrain
- None

NEW SITES
(Lock and Beyond, excl Complete)

-  New_UMTS_Site
-  Site_Acquisition

ERLANG_ALL_HOURS

-  all others
-  0 - 10
-  10 - 20
-  20 - 50
-  50 - 100
-  100 - 150
-  150 - 300
-  300 - 400
-  400 - 500
-  500 - 1,000



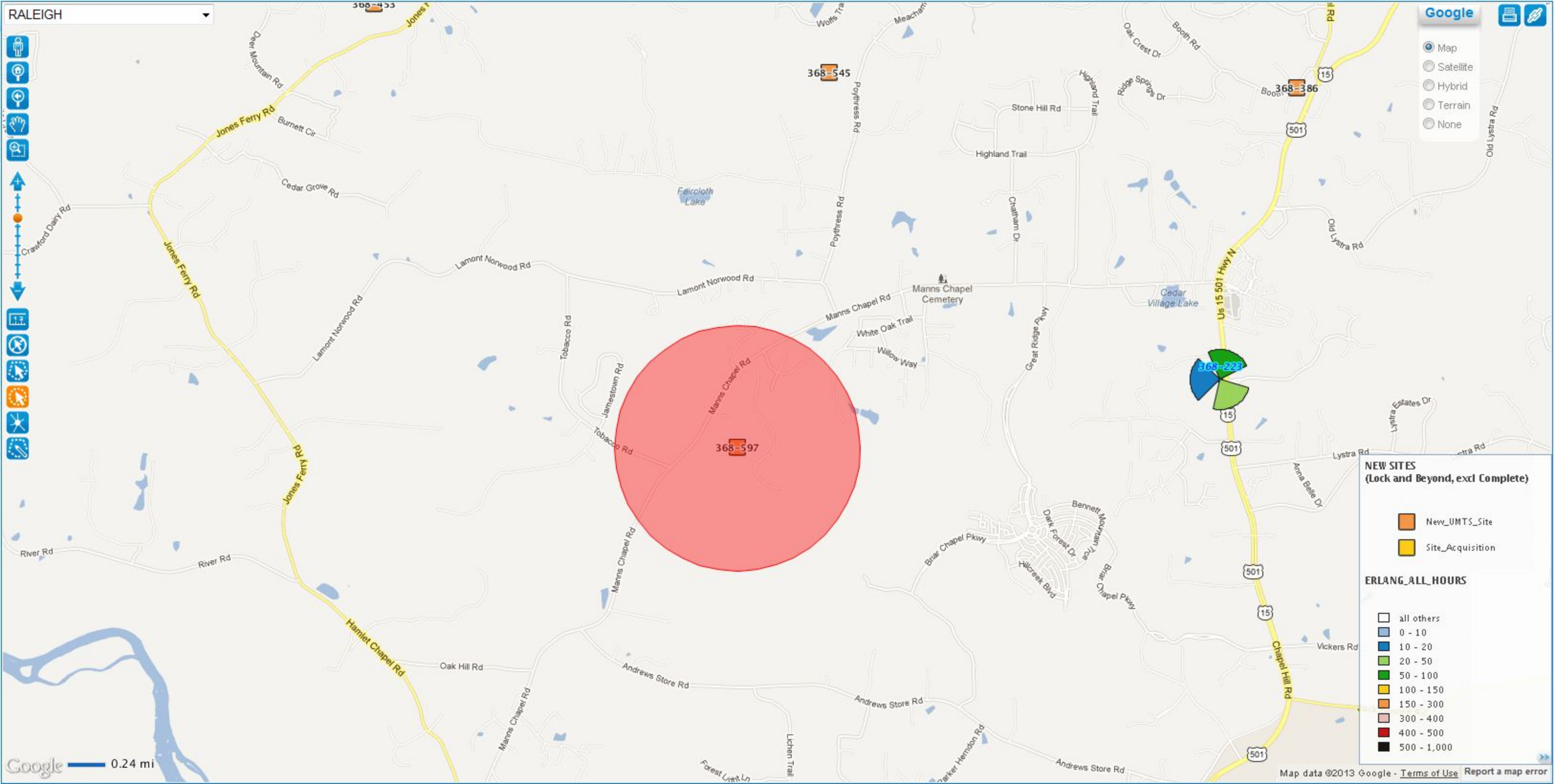
Map

Satellite

Hybrid

Terrain

None



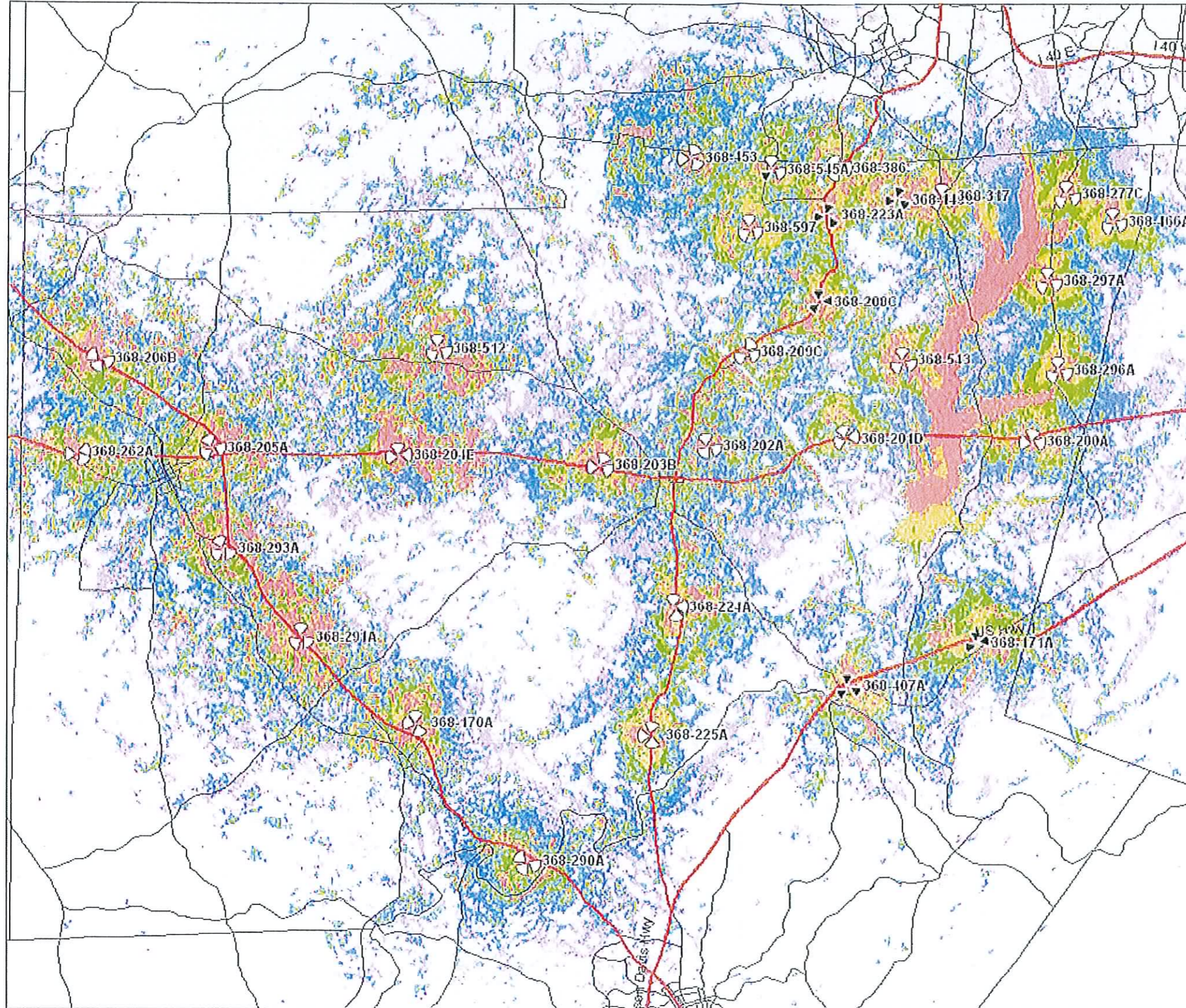
NEW SITES
(Lock and Beyond, excl Complete)

- New_UMTS_Site
- Site_Acquisition

ERLANG_ALL_HOURS

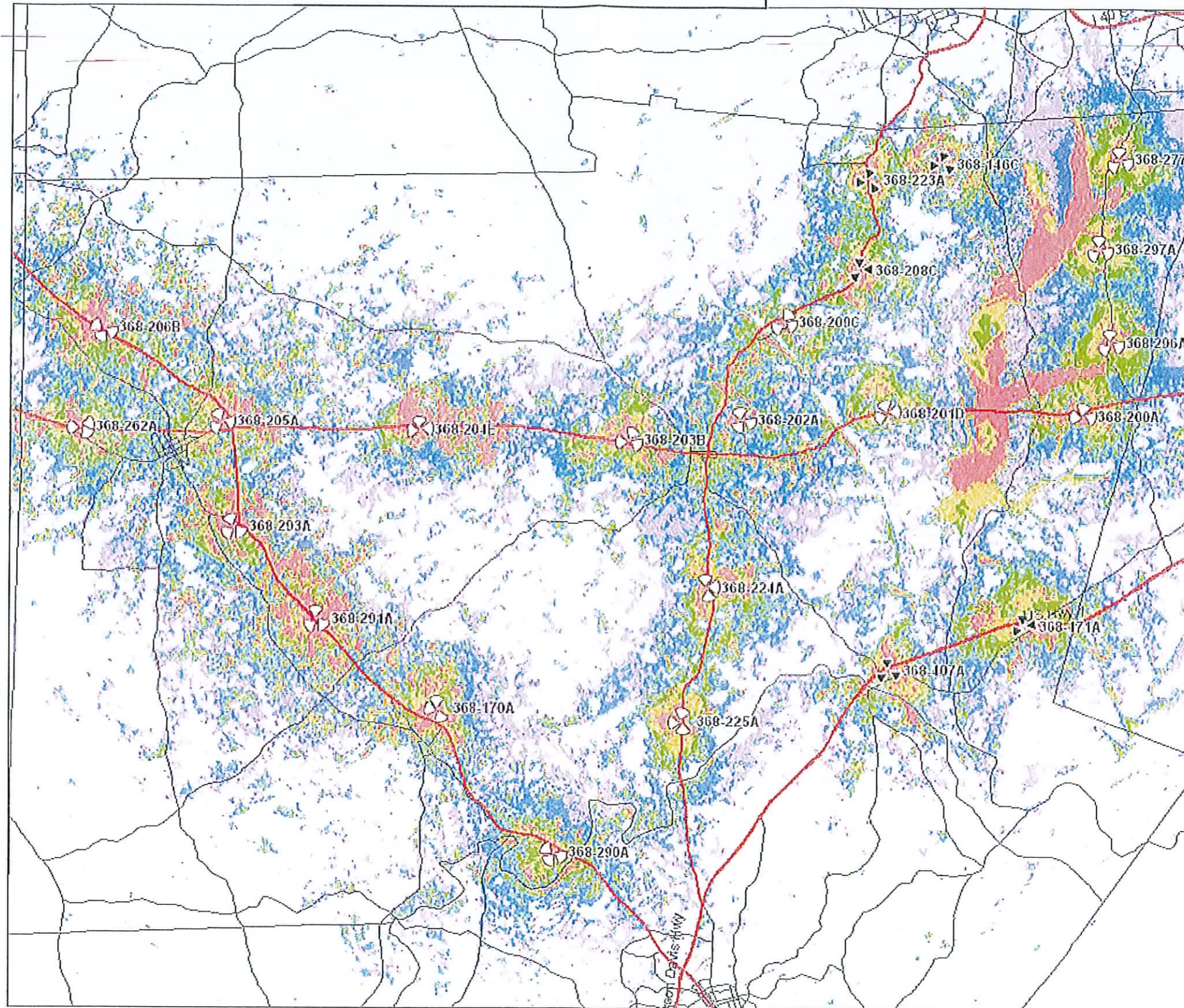
- all others
- 0 - 10
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 150
- 150 - 300
- 300 - 400
- 400 - 500
- 500 - 1,000

End of Year_2012 +Proposed sites_2013 Coverage



- 72 dBm In-Building Industrial
- 80 dBm In-Building Residential
- 85 dBm In-Vehicle
- 92 dBm On-Street
- 98 dBm Network Access

End of year_2012 Coverage



- 72 dBm In-Building Industrial
- 80 dBm In-Building Residential
- 85 dBm In-Vehicle
- 92 dBm On-Street
- 98 dBm Network Access