

SAMS, LARKIN, HUFF & BALLI

A LIMITED LIABILITY PARTNERSHIP

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July 6, 2017

VIA EMAIL

Ms. Tina Garver, AICP
Community Development Director
City of Powder Springs
4488 Pineview Drive
Powder Springs, 30127

Re: Application of Municipal Communications, LLC to Rezone a 4.3± Acre Tract to accommodate a Telecommunications Tower (3215 New Macland Road) - No. PZ 17 - 008

Application of Municipal Communications, LLC for a Special Use Permit to accommodate a Telecommunications Tower (3215 New Macland Road) - No. PZ 17 - 009

Dear Ms. Garver:

You will recall that this firm represents Municipal Communications, LLC (“Municipal”) regarding the above-captioned Applications. Presently, the Applications are scheduled to be heard and considered by the Planning Commission on its Work Session Agenda slated for July 13, 2017. Thereafter, the Applications are scheduled to be heard and considered by the Planning Commission in the context of a public hearing on July 31, 2017. The Applications will also be heard by the Mayor and City Council at their Work Session and subsequent Public Hearing during the month of August, 2017.

In response to inquiries from you and Members of the Planning Commission, attached please copies of the following:

1. A revised Telecommunications Tower Map reflecting existing towers within the area which is defined by that exhibit. After reviewing Municipal’s original submission, you mentioned two (2) locations which were omitted from the original exhibit. Both of those towers are located on the attached revised exhibit even though neither of those two (2) locations are filed with the Federal Communications Commission (“FCC”).

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The tower site at 4181 Atlanta Street is 1.4 miles from the subject property and has a ground elevation which is forty-five feet (45') lower than Municipal's proposed Telecommunications Tower. For that reason, it does not provide any benefit with respect to the current area sought to be covered. The tower located at 4327 Brownsville Road is situated 2.4 miles from Municipal's proposed Telecommunications Tower. That site is, in fact, referenced in the Radio Frequency Cell Site Justification which is mentioned below.

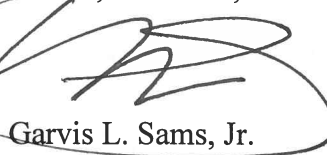
2. Verizon Propagation Maps which have been annotated with existing towers circled in red and with a legend on each explaining the color coding thereon in terms of the levels of coverage and "service footprints".
3. The original Cell Site Justification Report prepared by Verizon's Radio Frequency Engineer.

Lastly and in accordance with your request and our concurrence regarding same, attached is a copy of the transmittal letter from Municipal which tendered a check made payable to the City of Powder Springs in the sum of Five Thousand Dollars (\$5,000.00). That fee represents the costs involved in connection with the City's selection and engagement of an independent Telecommunications/ Radio Frequency Engineering Firm to conduct its separate analysis ("Peer Review") of the information and documentation submitted to the City by Municipal.

Please do not hesitate to contact me, Mr. Corry or Mr. Throckmorton should you, your staff, the Planning Commission or any other appointed or elected officials have any questions concerning these matters. With kind regards, I am

Very truly yours,

SAMS, LARKIN, HUFF & BALLI, LLP



Garvis L. Sams, Jr.
gsams@slhb-law.com

GLS/dls
Attachments

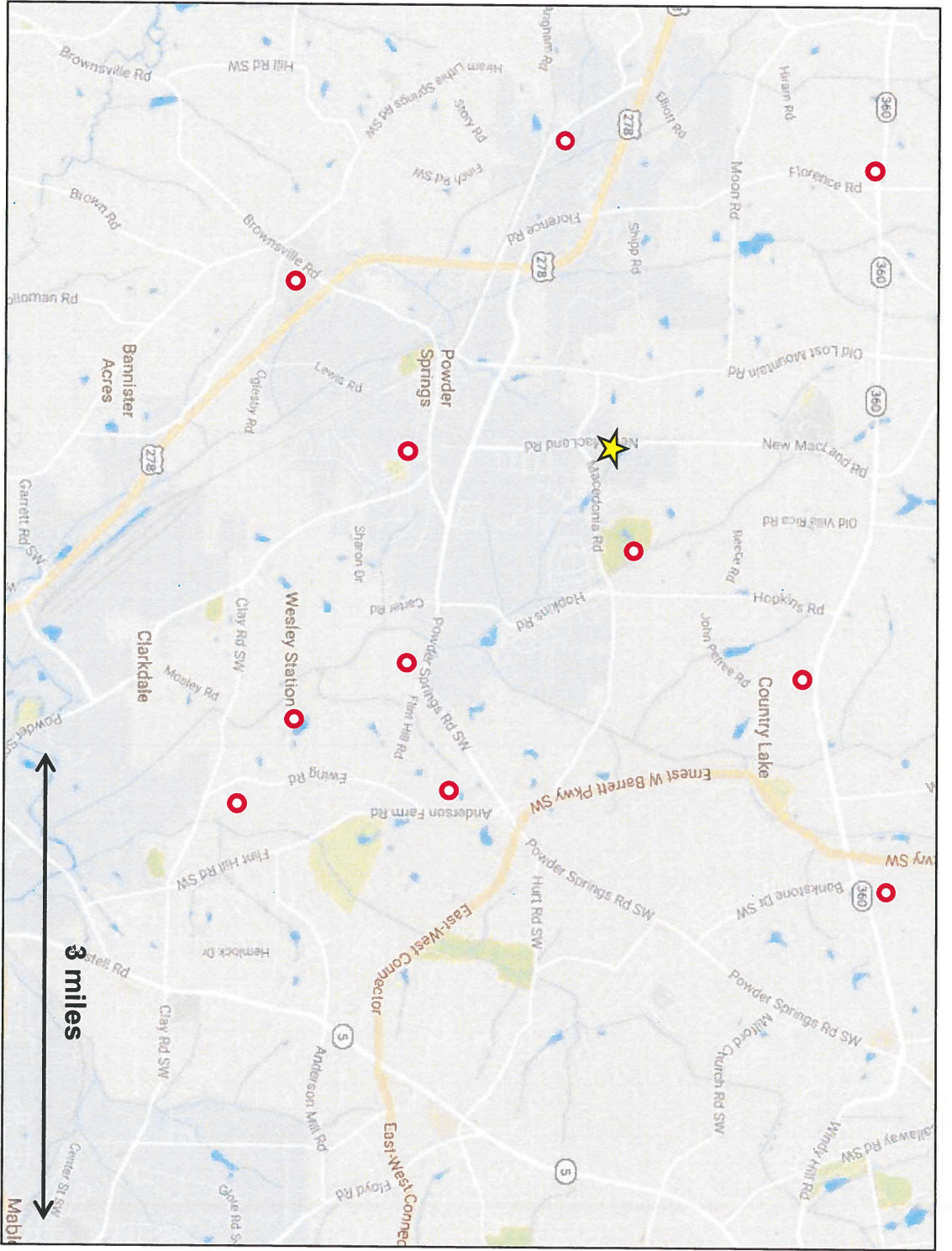
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Community Development Director
City of Powder Springs
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cc: Honorable Al Thurman, Mayor (via email w/attachments)
Members, Powder Springs City Council (via email w/attachments)
Members, Powder Springs Planning Commission (via email w/attachments)
Ms. Pam Conner, City Manager (via email w/attachments)
Ms. Lisa Cameron, Zoning Administrator (via email w/attachments)
Mr. Peter Corry, CEO, Municipal Communications, LLC (via email w/attachments)
Mr. John Throckmorton, Vice President Municipal Communications, LLC
(via email w/attachments)



Sitename: Commodore

170' Monopole

New MacLand Rd

Powder Springs, GA

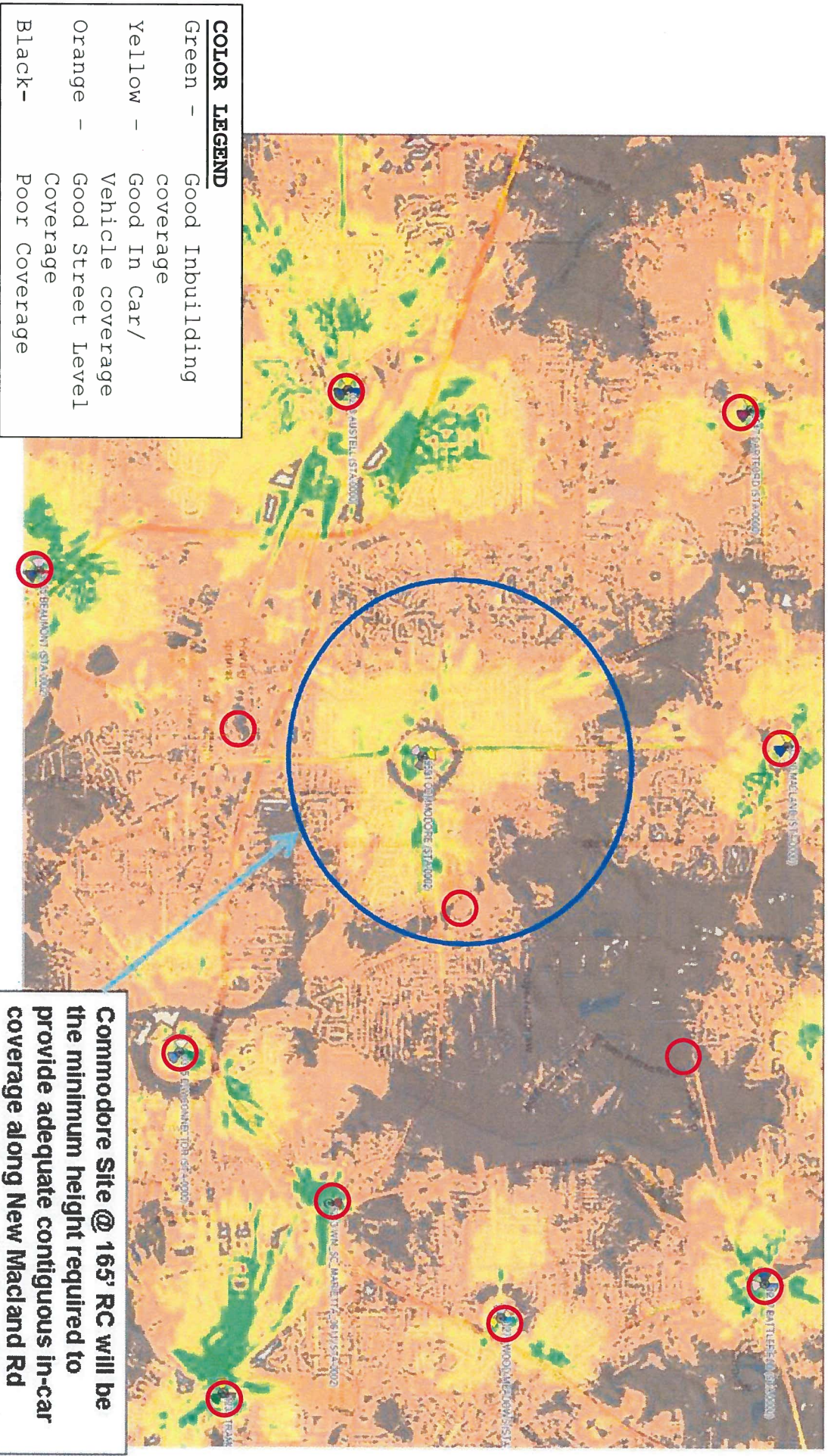
Existing towers indicated by red circle

Proposed tower indicated by star

Cobb County

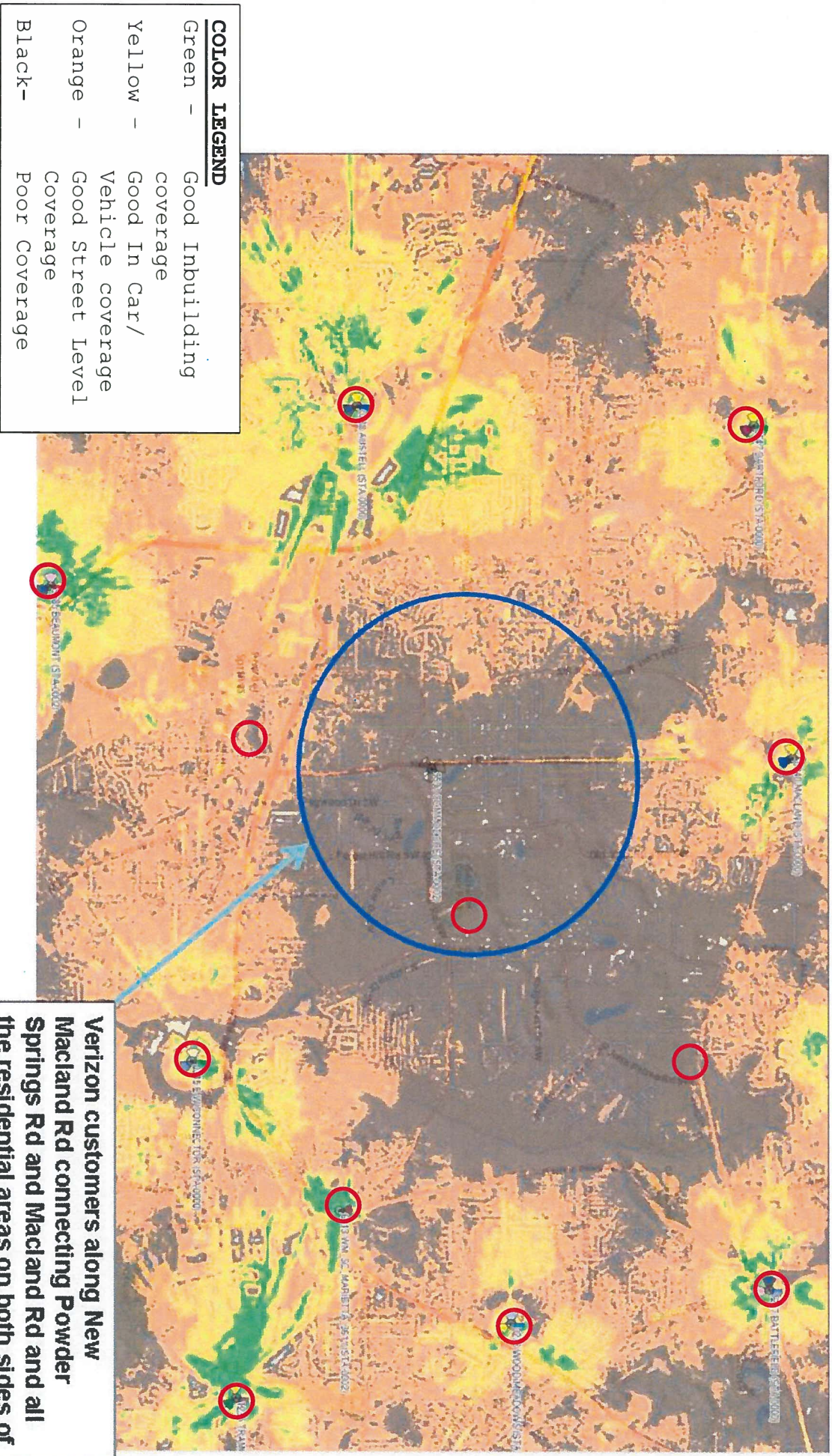


Future Verizon 4G LTE Signal Level (with the proposed Commodore site @ 165' Rad Center)



Note: a Municipal employee modified this graphic at the request of the City of Powder Springs by (1) highlighting existing towers with red circles and (2) providing a legend explaining the colors used to illustrate coverage.

Current Verizon 4G LTE Signal Level (without the proposed Commodore site)



Note: a Municipal employee modified this graphic at the request of the City of Powder Springs by (1) highlighting existing towers with red circles and (2) providing a legend explaining the colors used to illustrate coverage.

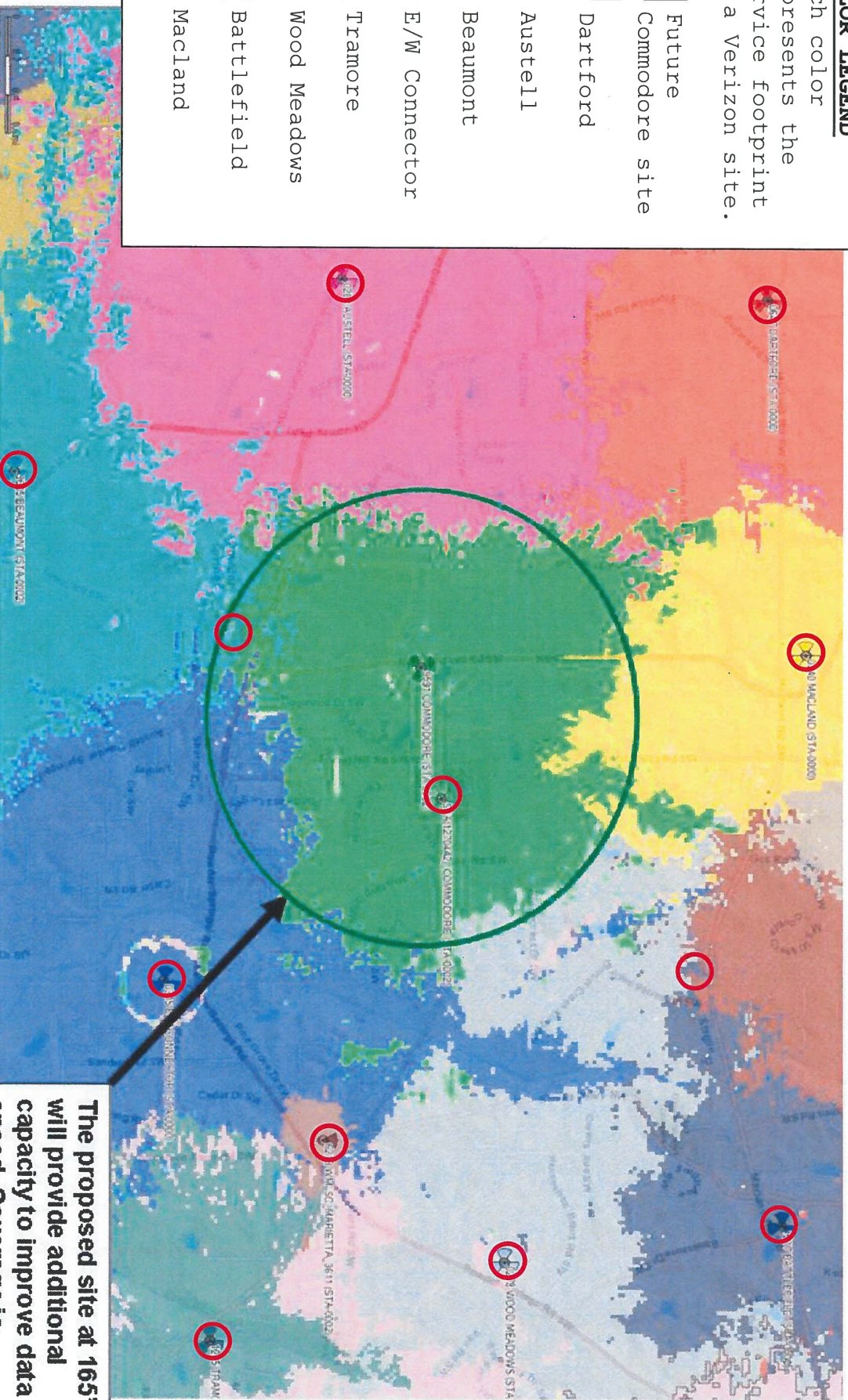
Verizon customers along New Macland Rd connecting Powder Springs Rd and Macland Rd and all the residential areas on both sides of New Macland Rd experience weak coverage and slow data speeds.

Improved Serving Footprints With the Proposed Site

COLOR LEGEND

Each color represents the service footprint of a Verizon site.

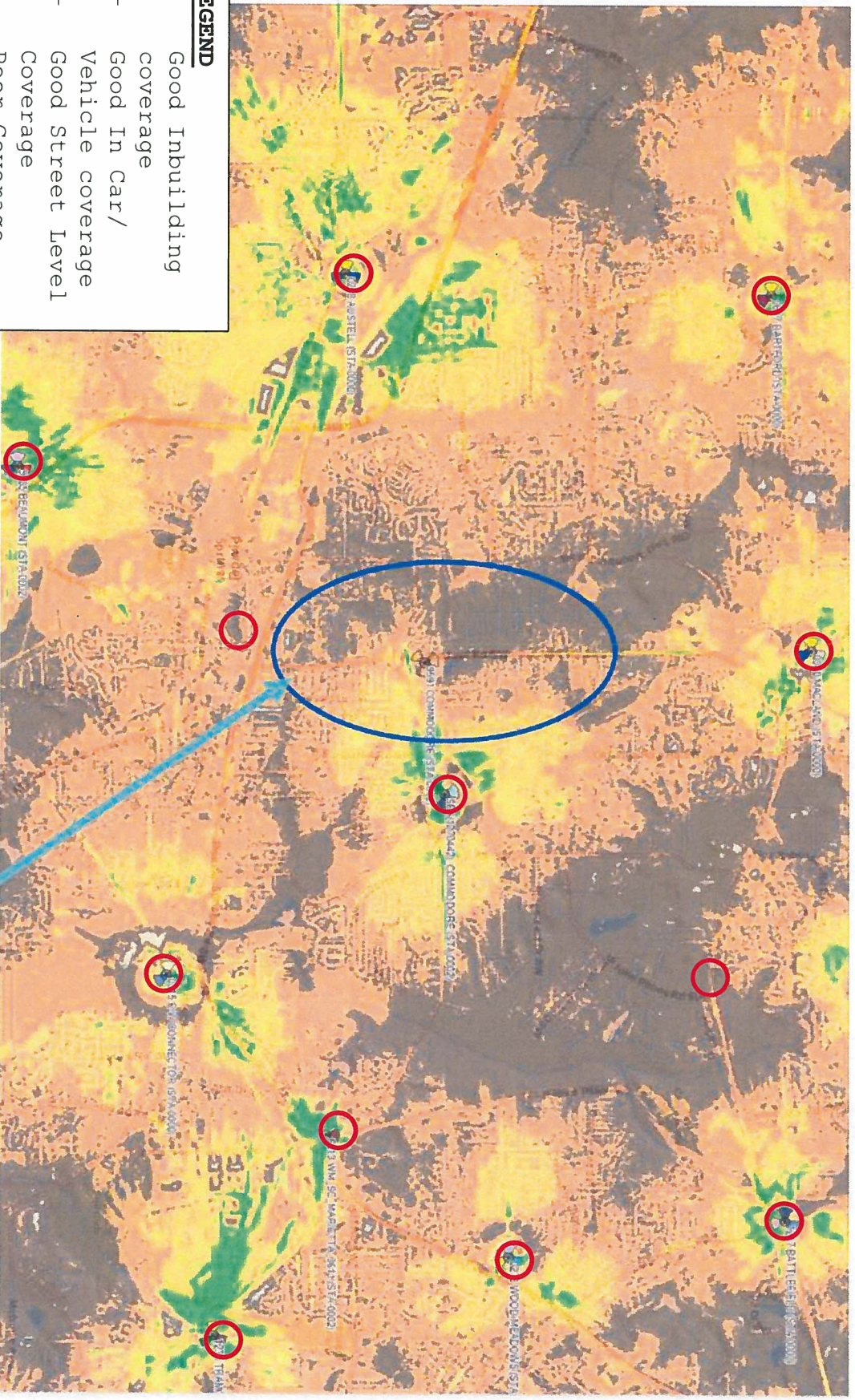
- Future
- Commodore site
- Dartford
- Austell
- Beaumont
- E/W Connector
- Tramore
- Wood Meadows
- Battlefield
- Macland



Note: a Municipal employee modified this graphic at the request of the City of Powder Springs by (1) highlighting existing towers with red circles and (2) providing a legend explaining the colors used to illustrate coverage.

The proposed site at 165' will provide additional capacity to improve data speed. Coverage is contained and interference minimized due to reduced overlap with neighboring sites.

Verizon 4G LTE Signal Level if Collocating on the SBA(1270442) tower @ 125' Rad Center



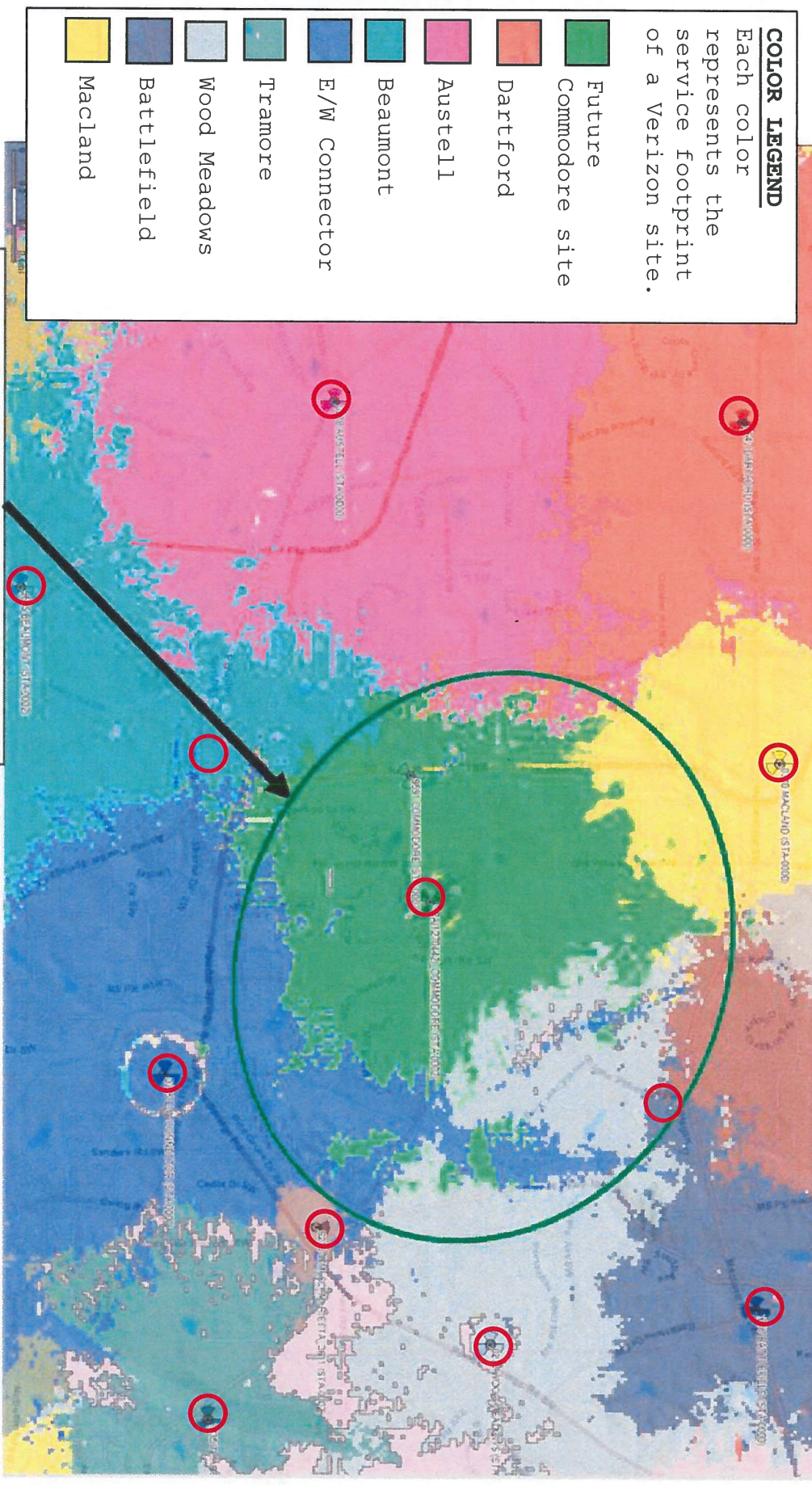
COLOR LEGEND

Green -	Good Inbuilding coverage
Yellow -	Good In Car/ Vehicle coverage
Orange -	Good Street Level Coverage
Black-	Poor Coverage

Note: a Municipal employee modified this graphic at the request of the City of Powder Springs by (1) highlighting existing towers with red circles and (2) providing a legend explaining the colors used to illustrate coverage.

- SBA(1270442) at 125' AGL wouldn't provide optimal coverage along New Macland Rd connecting Powder Springs Rd and Macland Rd and all the residential areas on West side of New Macland Rd.

Interfering Service Footprints If Collocating on SBA(1270442) tower @ 125' Rad Center



SBA(1270442) tower @ 125' Rad Center
 Center doesn't provide contained coverage and has too much overlap with neighboring sites E-W Connector, Macland and Wood Meadows which will result in high interference.

Note: a Municipal employee modified this graphic at the request of the City of Powder Springs by (1) highlighting existing towers with red circles and (2) providing a legend explaining the colors used to illustrate coverage.

Cell Site Justification for
Commodore

by **Sri Hari Krishna Nimmagadda**
Radio Frequency Engineer
Verizon Wireless
March 6th , 2017

Design Objectives for Commodore Site

- The proposed Commodore site is designed as a coverage site to improve 4G coverage and data throughput for Verizon customers along New Macland Rd connecting Powder Springs Rd and Macland Rd and all the residential areas on both sides of New Macland Rd.
- **Commodore** site is also designed as a capacity site to provide capacity relief to existing Verizon sites, majorly to Beta sector of Macland site and Alpha sector of Austell site.

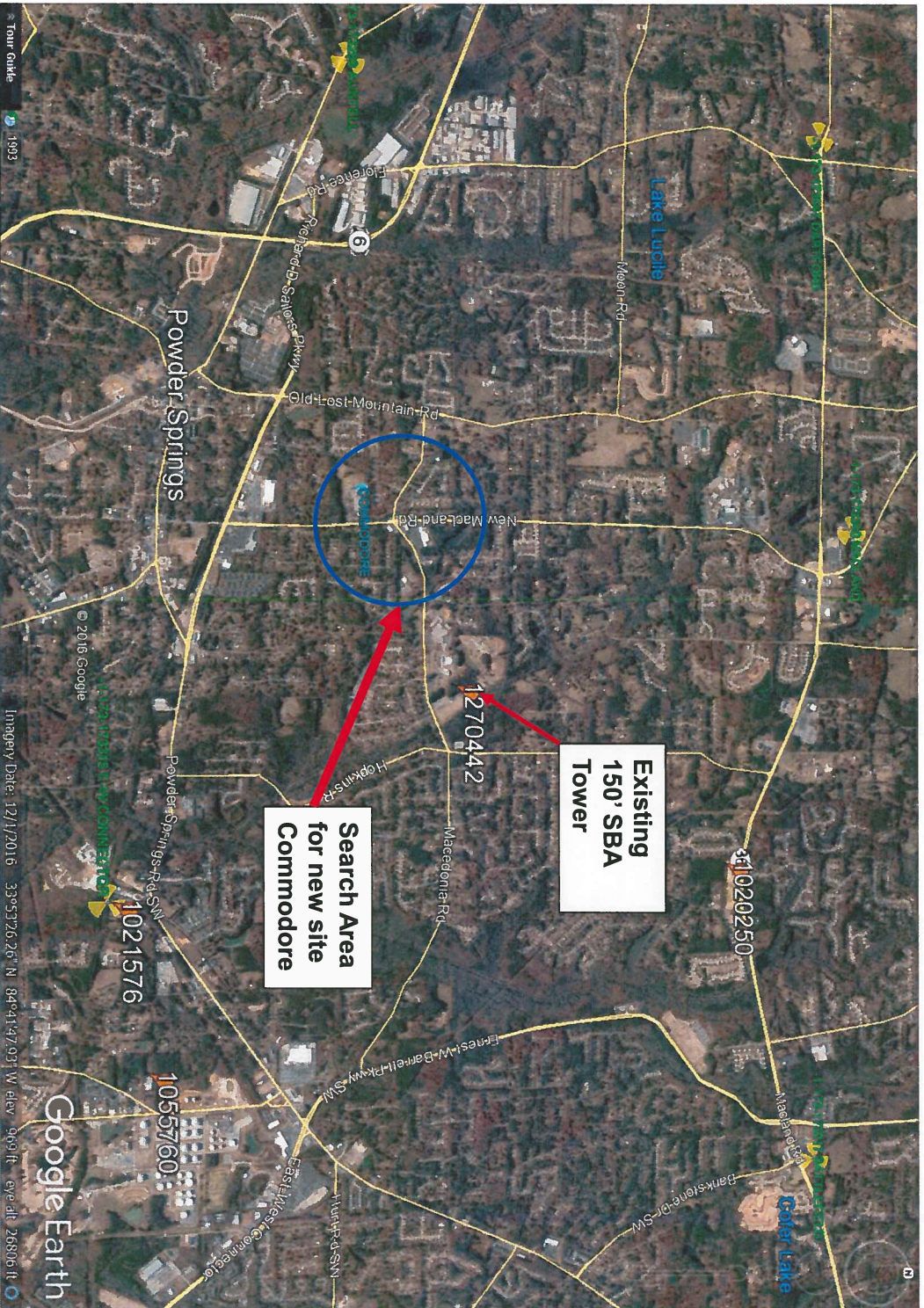
Commodore Site Justification

- Commodore site at 165' AGL provides controlled coverage across the target areas at optimal signal levels and with minimal interference to and from neighboring Verizon sites.
- SBA(Structure Registration # 1270442) at 125' AGL wouldn't provide optimal coverage along for Verizon customers along New Macland Rd connecting Powder Springs Rd and Macland Rd and all the residential areas on both sides of New Macland Rd.

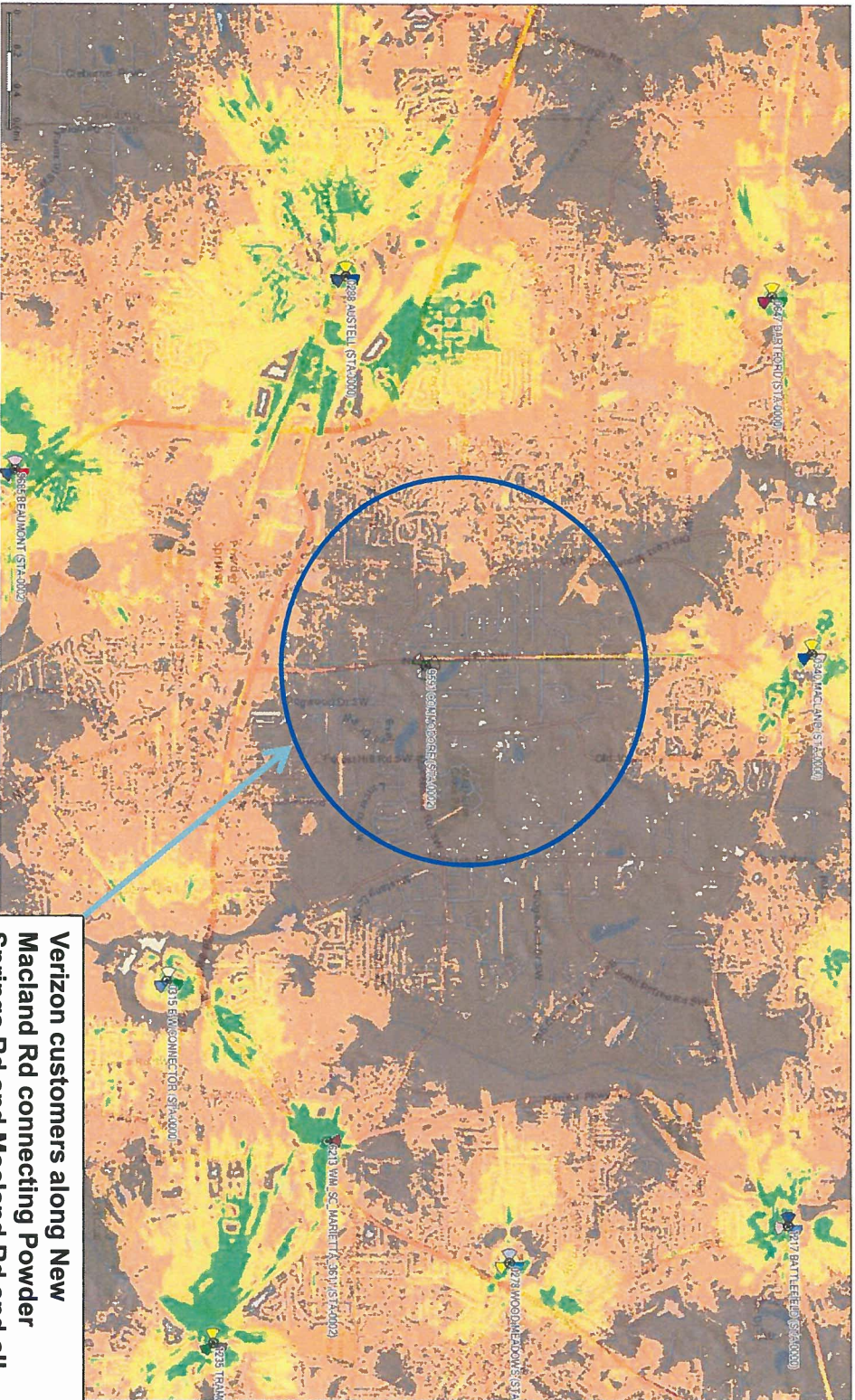
Sites within the vicinity of proposed Commodore site

Site Name	Antenna Height(ft)	Structure Type	Latitude	Longitude	Address	Status
Commodore	165	Tower(Proposed)	33-52-32.25 N	84-40-32.64 W	3215 New Macland Rd, Powder Springs, GA- 30127	Proposed
Macland	158	Monopole	33-54-15.7 N	84-40-34.03 W	1966 Lost Mountain Rd, Powder Springs,GA,30127	Existing
Dartford	170	Monopole	33-54-7.2 N	84-42-28.31 W	5311 Macland Road, Powder Springs, GA, 30127	Existing
Austell	239	Self-support	33-52-13.24 N	84-42-37.78 W	5540 PS/Dallas Hwy SW, Powder Springs, GA- 30127	Existing
E-W Connector	225	Self-support	33-51-21.58 N	84-38-54 W	1400 Industry Dr, Powder Springs, GA-30141	Existing
Wood Meadows	130	Monopole	33-52-51 N	84-37-21.50 W	2364 Powder Springs Rd, Marietta, GA, 30064	Existing
Beaumont	174	Monopole	33-50-44.59 N	84-41-38.13 W	4327 Brownsville Rd SW, Powder Springs, GA, 30127	Existing
WM_SC_Marietta_3611	38	Building	33-52-3.09 N	84-38-1.74 W	6520 Ernest W Barrett Pkwy, Marietta, GA-30064	Proposed
Battlefield	130	Monopole	33-54-5.68 N	84-37-31.38 W	2480 Macland Rd, Marietta, GA-30064	Existing

Google Earth Map – Proposed Commodore Site Location and Existing Verizon Cell Sites

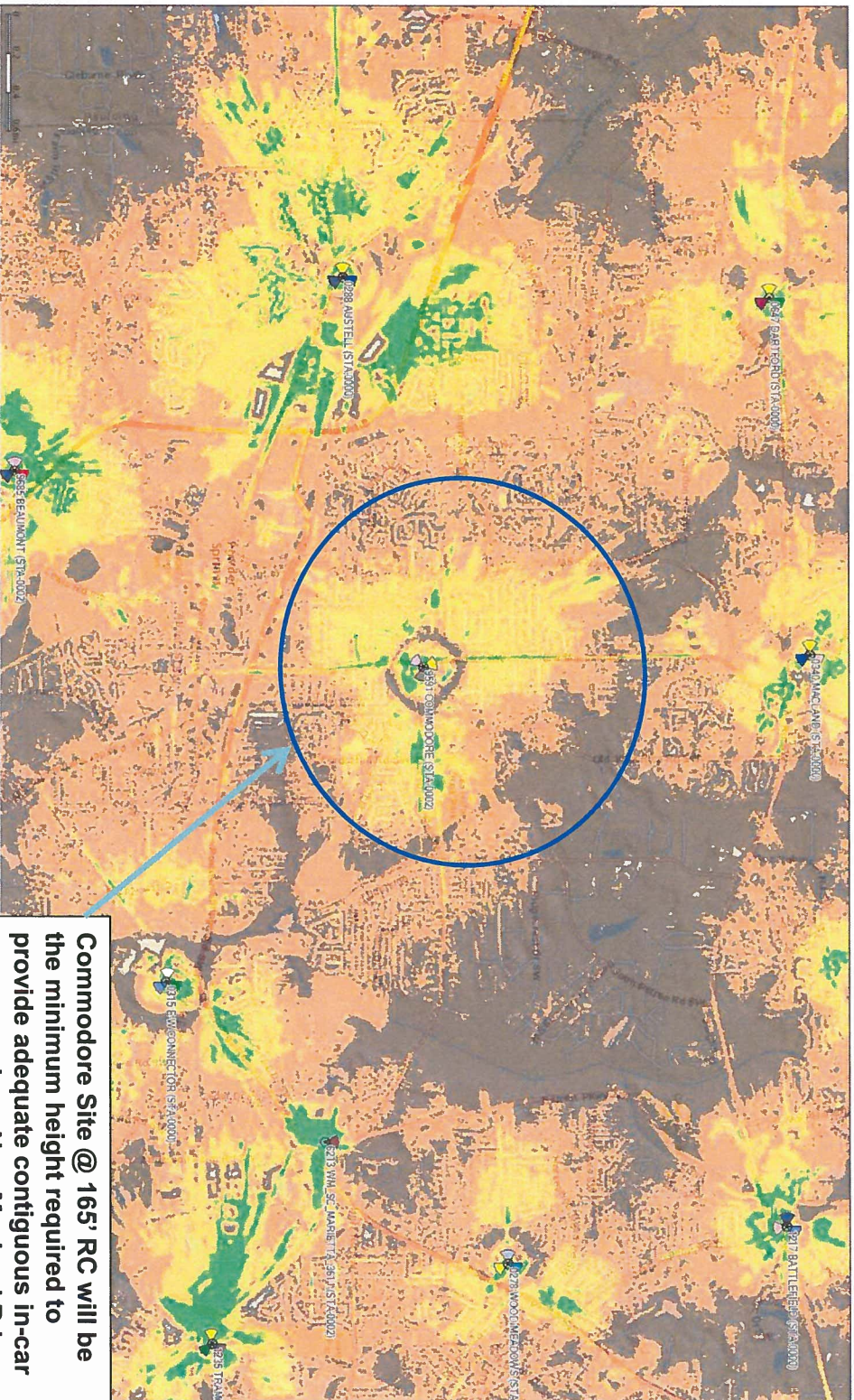


Current Verizon 4G LTE Signal Level (without the proposed Commodore site)



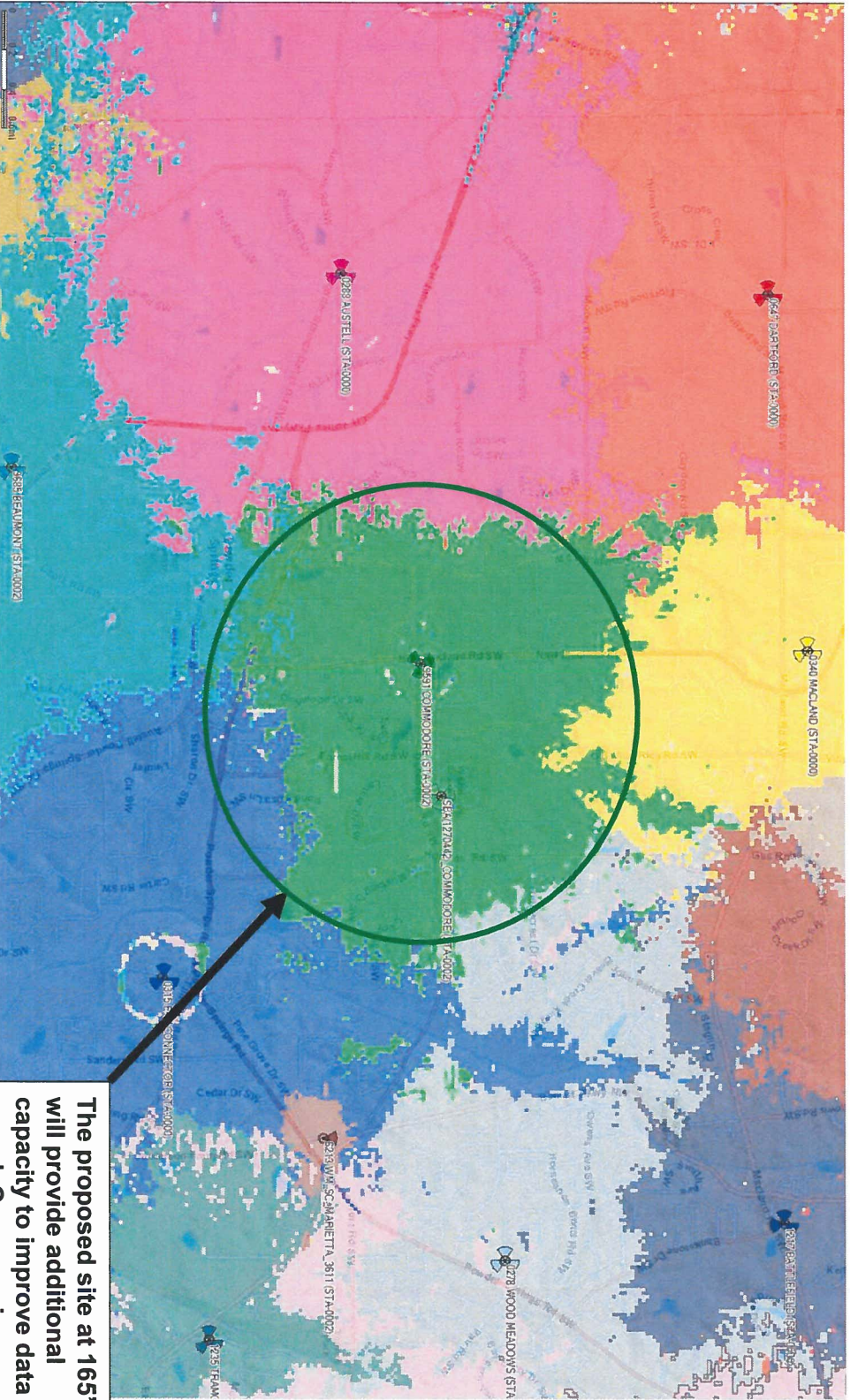
Verizon customers along New Maclaud Rd connecting Powder Springs Rd and Maclaud Rd and all the residential areas on both sides of New Maclaud Rd experience weak coverage and slow data speeds.

Future Verizon 4G LTE Signal Level (with the proposed Commodore site @ 165' Rad Center)



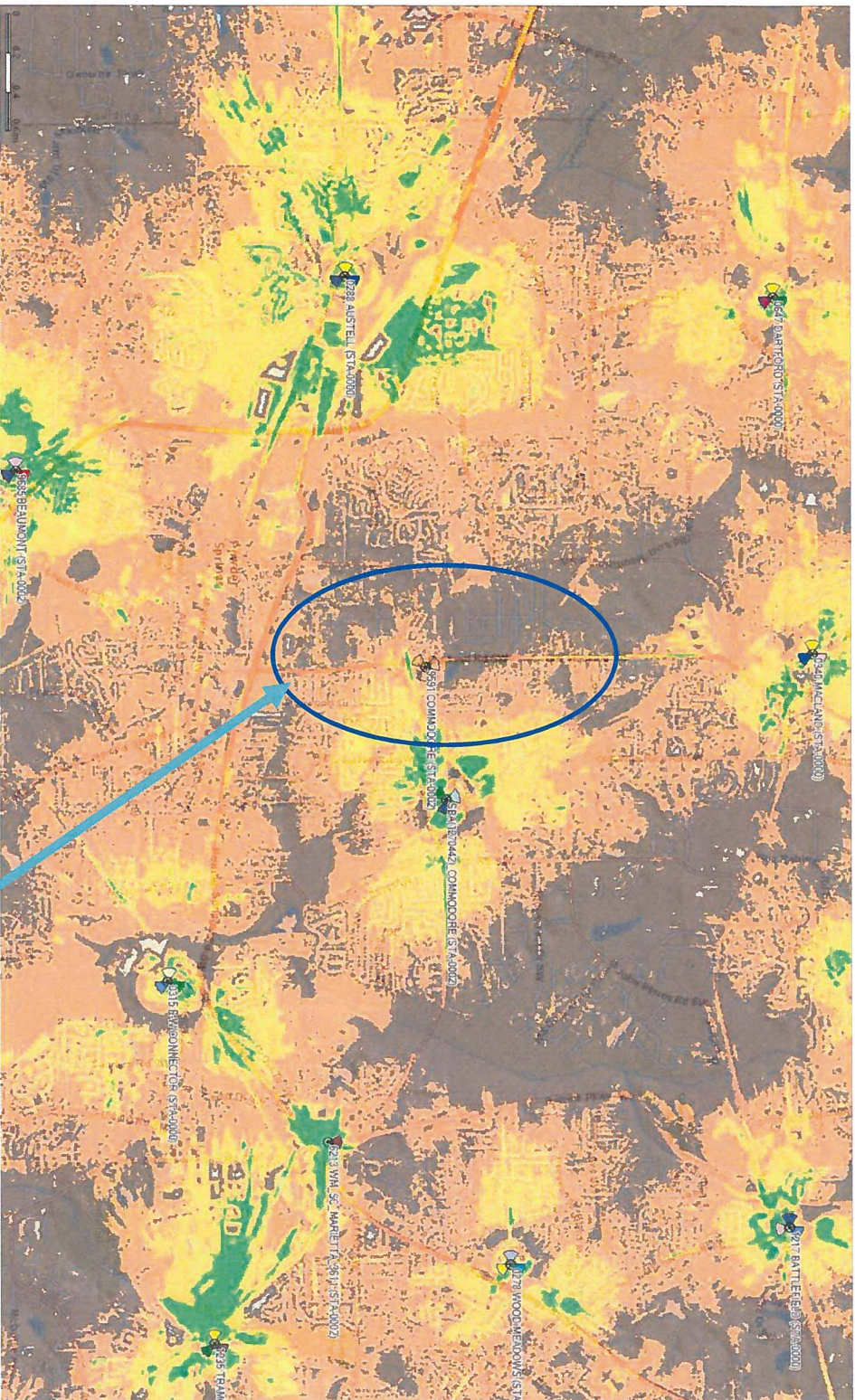
Commodore Site @ 165' RC will be the minimum height required to provide adequate contiguous in-car coverage along New Macland Rd connecting Powder Springs Rd and Macland Rd and all the residential areas on both sides of New Macland Rd.

Improved Serving Footprints With the Proposed Site



The proposed site at 165' will provide additional capacity to improve data speed. Coverage is contained and interference minimized due to reduced overlap with neighboring sites.

Verizon 4G LTE Signal Level if Collocating on the SBA(1270442) tower @ 125' Rad Center



- SBA(1270442) at 125' AGL wouldn't provide optimal coverage along New Macland Rd connecting Powder Springs Rd and Macland Rd and all the residential areas on West side of New Macland Rd.

Interfering Service Footprints If Collocating on SBA(1270442) tower @ 125' Rad Center



SBA(1270442) tower @ 125' Rad Center doesn't provide contained coverage and has too much overlap with neighboring sites E-W Connector, Macland and Wood Meadows which will result in high interference.

June 28th, 2017

Ms. Tina Garver, AICP
Community Development Director
City of Powder Springs
4488 Pineview Drive
Powder Springs, GA 30127

Dear Ms. Garver,

Please find enclosed a check from Municipal Communications to the City of Powder Springs for \$5000.00 to cover the costs of an independent assessment of our tower proposal.

If there are any questions, please feel free to contact me at jthrockmorton@municipalcom.com or 404-995-1893.

John Throckmorton
Vice President

Enclosure