

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF NEW CINGULAR WIRELESS PCS, LLC (AT&T) FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF TWO TELECOMMUNICATIONS TOWER FACILITY LOCATED AT 1990 LITCHFIELD TURNPIKE IN THE TOWN OF WOODBRIDGE, CONNECTICUT

DOCKET NO. 388

December 11, 2009

AT&T RESPONSES TO SITING COUNCIL
PRE-HEARING INTERROGATORIES SET I

- Q1. What is New Cingular Wireless PCS, LLC's (AT&T) existing signal strength in the area that would be covered by the proposed facility?
- A1. The existing coverage in this area is between -92 and -105 dBm.
- Q2. What is the minimum signal level AT&T would consider acceptable for service in the vicinity of the proposed site?
- A2. -82 dBm is acceptable at this time.
- Q3. What is the minimum signal level that AT&T requires in order to provide adequate in-vehicle coverage? What is the minimum signal level that AT&T requires in order to provide adequate in-building coverage?
- A3. AT&T designs for -82 dBm in-vehicle coverage and -74 dBm in-building coverage.
- Q4. When was the search ring first initiated for a tower in this area? What is the size and shape of the search ring? Where is the center of the search ring?
- A4. A search ring was first established in this area on February 21, 2006. The original search ring SR2124 (a ring approximately a mile in diameter) was centered north of the proposed site on Downs Road which was investigated but no suitable candidate identified. AT&T radio frequency engineers subsequently conducted propagation studies for a location farther south to achieve the objectives of an adjacent search ring called SR2125 (a ring approximately 0.8 of a mile in diameter) but at 170' it was apparent that this site would provide service to both SR2125 and SR2124, obviating the need for two sites. AT&T identified this site as SR2124 however both aforementioned search rings are depicted in Tab 2 of the Application.
- Q5. What were the results of AT&T's notice to abutting property owners? Were the certificates of service returned from all those to whom notice was sent? If not, whose

certificate was not returned? What other attempts were made to notify these persons? Provide a copy of all returned certificates of service.

- A5. Certificates of service were received back from all of the abutting property owners. It should be noted that the property identified on the Town of Woodbridge tax maps as 1501-1000-1970 with an address of 1970 Litchfield Turnpike is listed as belonging to the State of Connecticut with a contact address of 30 Trinity Street in Hartford, Connecticut. That address is for the Office of the Secretary of State who's office subsequently advised AT&T to notify the state agency in direct control of the property. Further review of Town of Woodbridge Tax Assessor's records indicated the Department of Transportation ("DoT") as the agency with control over the property. A copy of the application was sent to the DoT when AT&T filed its application with the Siting Council. Attachment B includes copies of the abutters return receipts as well as the return receipt of the application package sent to the DoT, which was received on September 25, 2009.
- Q6. Page 10 of AT&T's Application (Application) for a Certificate of Environmental Compatibility and Public Need states, "Further confirmation from the SHPO (State Historic Preservation Office) has been sought for the current proposed tower height of 170' and further correspondence from SHPO will be submitted to the Siting Council once received." Was the SHPO's original analysis based on a different tower height? Explain. Also include any further correspondence from the SHPO that AT&T may have received since the filing of the Application.
- A6. The original correspondence sent to SHPO indicated a proposed tower height of 150' however the application is for 170'. SHPO was subsequently advised of this difference by letter dated June 17, 2009. SHPO has reviewed this revised height and once again determined that the proposed Facility will have no impact on historic, architectural, archaeological or cultural resources. Please see a copy of SHPO's "No Effect" determination included in Attachment B.
- Q7. What is the address of the nearest residence (not on the subject property) from the proposed tower?
- A7. The nearest off-site residence is identified as 1978 Litchfield Turnpike and is 940' south of the proposed tower. Please see Attachment A.
- Q8. Provide the distance and direction from the proposed site to the existing sites that the proposed tower would interact with. Also include the addresses, tower heights, antenna heights and tower types (e.g. monopole).
- A8. The following table provides the requested information:

Site Number	Address	Height of AT&T Antennas	Tower type	Tower Height	Approximate Distance and Direction
5632	9 Meyers Road, Bethany	160'	Self-supporting lattice tower	338'	2.25 miles to the north-northeast
2040	261 Benham Street, Hamden (aka 93 Old Amity Road)	67'	Guyed lattice tower on rooftop	91'	2.6 miles to the east

Site Number	Address	Height of AT&T Antennas	Tower type	Tower Height	Approximate Distance and Direction
2013	142 Baldwin Drive, New Haven	80'	Self-supporting lattice tower	120'	2 miles to the south-southeast
2010	77 Pease Road, Woodbridge	153'	Monopole	155'	2.25 miles to the south-southeast
5164	100 Pond Lily Avenue, New Haven	29'	Flagpole	80'	2.25 miles to the south-southwest

- Q9. Would flush-mounted antennas or antennas attached to the tower via T-arms provide the required coverage? Would either configuration result in reduced coverage and/or necessitate greater antenna height? Explain.
- A9. T-arms would be acceptable for using 6 antennas at the same height. Flush mounting would require two levels of three antennas, resulting in a need for greater height to achieve the same coverage.
- Q10. Do the costs on page 14 of the Application exclude antennas and radio equipment? Provide the estimated costs for antennas and radio equipment.
- A10. No. The cost of antennas and radio equipment for the proposed site is estimated at \$250,000.00.
- Q11. Would AT&T provide cellular service initially and PCS service later as capacity needs grow? Explain.
- A11. Yes. AT&T's licensed operating frequencies in this part of the state include the 850 MHz ("cellular") band, specifically 880-894 MHz, as well as the 1900 MHz ("PCS") band. Initially AT&T will install 850 MHz cellular service and expand to the 1900 MHz PCS service to provide additional capacity as needed.
- Q12. Provide coverage plots for cellular and PCS, as applicable, using the same scale provided assuming the tower is 160 feet tall (with 157 foot antenna centerline height) and 150 feet tall (with 147 feet antenna centerline height), respectively.
- A12. Please see Attachment D which are coverage plots of AT&T's existing coverage as well as proposed cellular service that would be provided at tower heights of 150, 160 and 170 feet. Please note that all of these coverage plots were generated on December 11, 2009 in the interest of providing the most updated network information available and utilize the final 2-C certification coordinates. These replace all the plots filed in the original Application
- Q13. Provide the individual lengths of the coverage gaps (in miles) for cellular and PCS, as applicable, for the roads that AT&T seeks to provide coverage to. Describe criteria and parameters in determining the lengths of the road.
- A13. Coverage strength lower than -82 dBm is considered inadequate for reliable in-car service. The individual lengths of coverage gaps for cellular are as follows: 2 miles along

Route 69, 0.7 miles on Downs Road and 2.2 miles along Route 63 and 0.5 miles on Route 67.

- Q14. Provide the areas (in square miles) for cellular and PCS, as applicable, that would be covered assuming that the tower is 170 feet tall (with 167-foot antenna centerline height), 160 feet tall (with 155-foot antenna centerline height), and 150 feet tall (with 147-foot antenna centerline height).

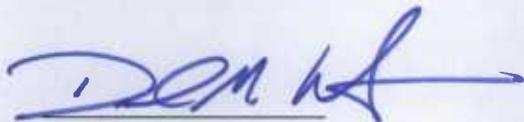
Antenna Centerline Height AGL	Sq Miles @-82 dBm	Frequency
167'	3	850
157'	2.9	850
147'	2.8	850

- Q15. Calculate the amounts of cut and fill required to develop the proposed tower site and access drive.
- A15. Approximately 1,221 cubic yards of cutting and 980 cubic yards of fill are required. Please see Attachment A.
- Q16. Would the proposed chain-link fence surrounding the compound have barbed wire?
- A16. No. Barbed wire is not proposed on the fence. Please see Attachment A.
- Q17. Would AT&T have backup power at its tower site? How would backup power be provided, e.g. battery, diesel generator, etc.? Has AT&T considered using a fuel cell as a backup power source for the proposed facility? Explain.
- A17. AT&T's proposed emergency backup power plans for the proposed Facility relies on battery backup and a permanent diesel generator. AT&T will have a battery backup required to prevent the Facilities from experiencing a "re-boot" condition during the generator start-up delay period that typically lasts ten minutes. The generator's fuel tanks will consist of a bladder within a steel containment chamber and is designed to contain fuel in the unlikely event of a fuel spill.

CERTIFICATE OF SERVICE

I hereby certify that on this day, a copy of the foregoing was sent to the Connecticut Siting Council electronically on with hand delivery to follow on December 14th:

Dated: December 11, 2009



Daniel M. Laub

cc: Michele Briggs, AT&T
John Blevins, AT&T
Rodney Bascom, CHA
Kevin Dey, SAI
Christopher B. Fisher, Esq.

A



November 25, 2009

Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Tel 914.761.1300 Fax 914.761.5372

The following are CHA's responses to the interrogatories for the telecommunications site located at 1990 Litchfield Turnpike in Woodbridge, CT:

Q7. What is the address of the nearest residence (not on the subject property) from the proposed tower?

The nearest residence, which is 940' south of the proposed tower, is located at 1978 Litchfield Turnpike.

Q15. Calculate the amounts of cut and fill required to develop the proposed tower site and access drive.

Approximately 1,221 CY of cutting and 980 CY of fill is required to develop the proposed tower site and access drive. Cut and fill is required along the access drive to reduce the road grade along the initial portion of the road from 25% to 20%, to skim the flat portions of the road for installation of the gravel surface, and to reduce the road grade along the middle portion of the road from 30% to 20%. Cut and fill is required at the tower site to level the compound area. The steep hill to the West needs to be cut and leveled and the steep hill to the East needs to be filled and leveled.

Q16. Would the proposed chain-link fence surrounding the compound have barbed wire?

Barbed wire is not proposed on the fence.

If you have any questions or need additional information, please do not hesitate to contact me at (860) 257-4557.

Very Truly Yours,

A handwritten signature in black ink that reads "Paul Lusitani".

Paul Lusitani

Project Engineer

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B

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

South Central Connecticut
 Reg Water Authority
 90 Sargent Drive
 New Haven, CT 06511

2. Article Number
 (Transfer from service label)

7008 1140 0003 8660 1049

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
 9-11-09

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Department of Transportation
 Joseph F. Marie, Commissioner
 2800 Berlin Turnpike
 Newington, CT 06131-7546

2. Article Number
 (Transfer from service label)

7008 1140 0003 8660 1155

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
 9/25/09

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Sarah and Richard Sutton
 1978 Litchfield Turnpike
 Woodbridge, CT 06525

2. Article Number

7008 1140 0003 8660 1032

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
 SARAH + Richard Sutton 9-17-09

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	
1. Article Addressed to: State Of Connecticut 30 Trinity Street Hartford, CT 06106	B. Received by (Printed Name)	C. Date of Delivery
2. Article Number <i>(Transfer from service label)</i>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
Domestic Return Receipt	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes 7008 1140 0003 8660 1018	
PS Form 3811, February 2004	102595-02-M-1540	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Town of Woodbridge 11 Meetinghouse Lane Woodbridge, CT 06525	B. Received by (Printed Name)	C. Date of Delivery 9-11
2. Article Number <i>(Transfer from service label)</i>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
Domestic Return Receipt	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes 7008 1140 0003 8660 1025	
PS Form 3811, February 2004	102595-02-M-1540	

C

THE OTTERY GROUP

June 17, 2009

Susan Chandler
Historical Architect
Connecticut Commission on Culture & Tourism
Historic Preservation and Museum Division
One Constitution Plaza, 2nd Floor
Hartford, Connecticut 06103

NO ADVERSE EFFECT

David Salzman DEPUTY SHPO

STATE HISTORIC PRESERVATION OFFICE

Date 7-16-09 Project _____

Re Section 106 review for the proposed AT&T Mobility "SR 2124 Bethany-Woodbridge Telecommunications Facility" - 1990 Litchfield Turnpike, Woodbridge, CT (revised)

Ms. Chandler

At the request of AT&T Mobility, The Ottery Group, Inc. is hereby reinitiating consultation with your office regarding a telecommunications facility in Woodbridge, CT. This undertaking has been modified since the initial submittal. A copy of the previous determination letter is attached. You originally reviewed this project on January 15, 2009. At the time of the previous review, one resource was identified within the APE and the undertaking was found to have no visual effect on historic within the APE. The subject property contained a farm that was over 45 years old, and it was determined that there would be no adverse effect for direct effects to historic and archeological resources.

When this project was initially submitted, the telecommunications facility was designed as a 150-foot monopole. The undertaking has since been modified and the structure is now a 170-foot monopole. Although the height has been altered, the 1/2 mile APE for visual effects is still considered appropriate under the terms of the Programmatic Agreement for new tower construction. A visual assessment at the newly-proposed height is attached to the revised 620 form. As no historic properties were identified within the APE for visual effects during the initial consultation, this modification will have *no effect* for visual effects. One potential historic resource was identified on the subject property, however, the modified undertaking will still have *no adverse effect* for direct effects.

Since there will be no modification to the original footprint for this revised undertaking and there was no previous interest expressed in taking part in the consultation process for the initial undertaking, no new TCNS or consulting party letters have been sent.

I look forward to your comments regarding the effects of the proposed undertaking. If you have any questions or require more information please feel free to contact me by phone or email (stacy.montgomery@otterygroup.com). I appreciate your assistance with this project.

Sincerely,
THE OTTERY GROUP, INC.

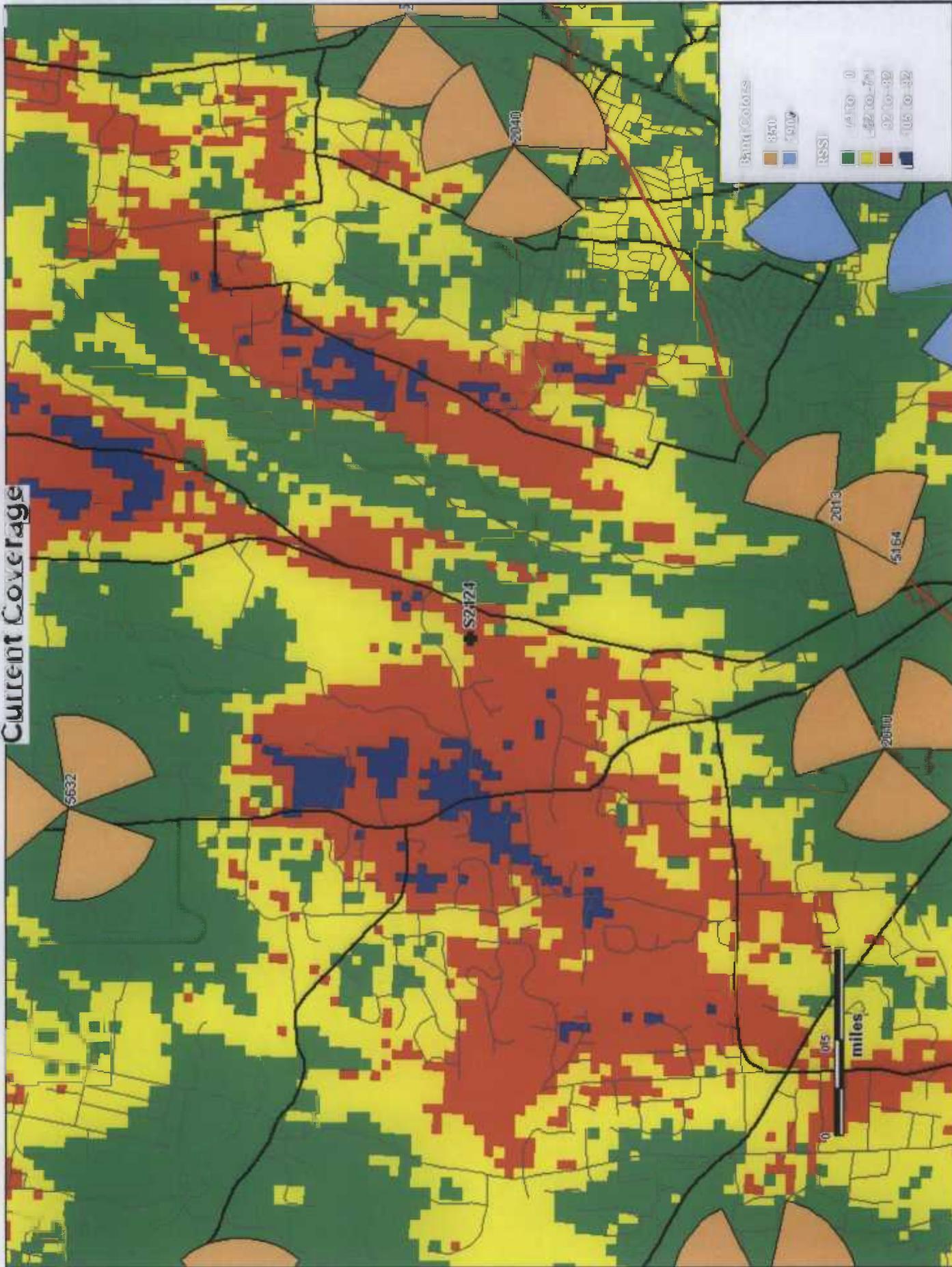
Stacy P. Montgomery
Stacy P. Montgomery
Architectural Historian

Attachment - Revised FCC Form 620, Parts 1 and 2, Viewshed Analysis

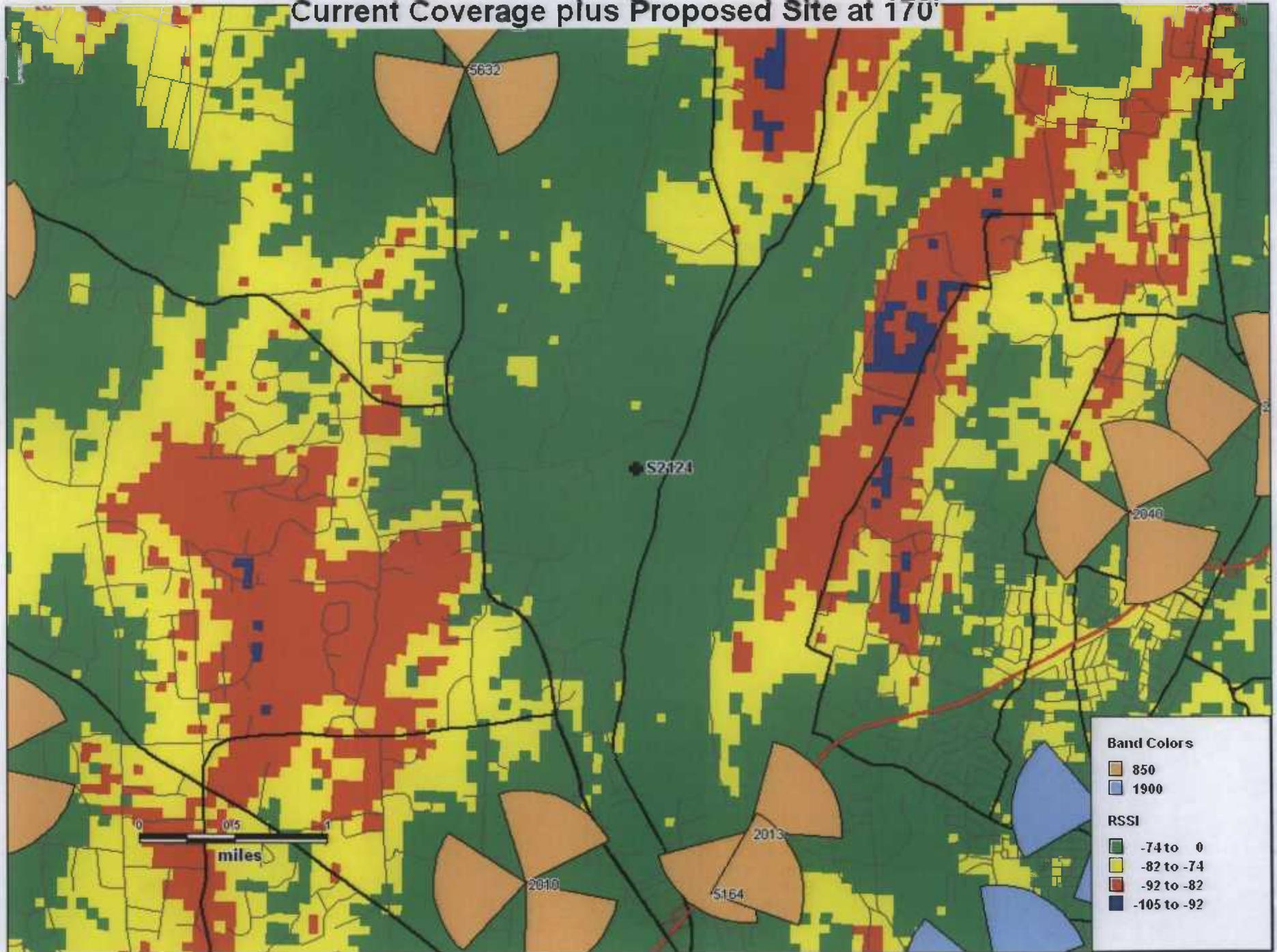
1810 AUGUST DRIVE • SILVER SPRING, MARYLAND 20902 • 301.562.1975 (MAIN) • 301.562.1976 (FAX)
www.otterygroup.com

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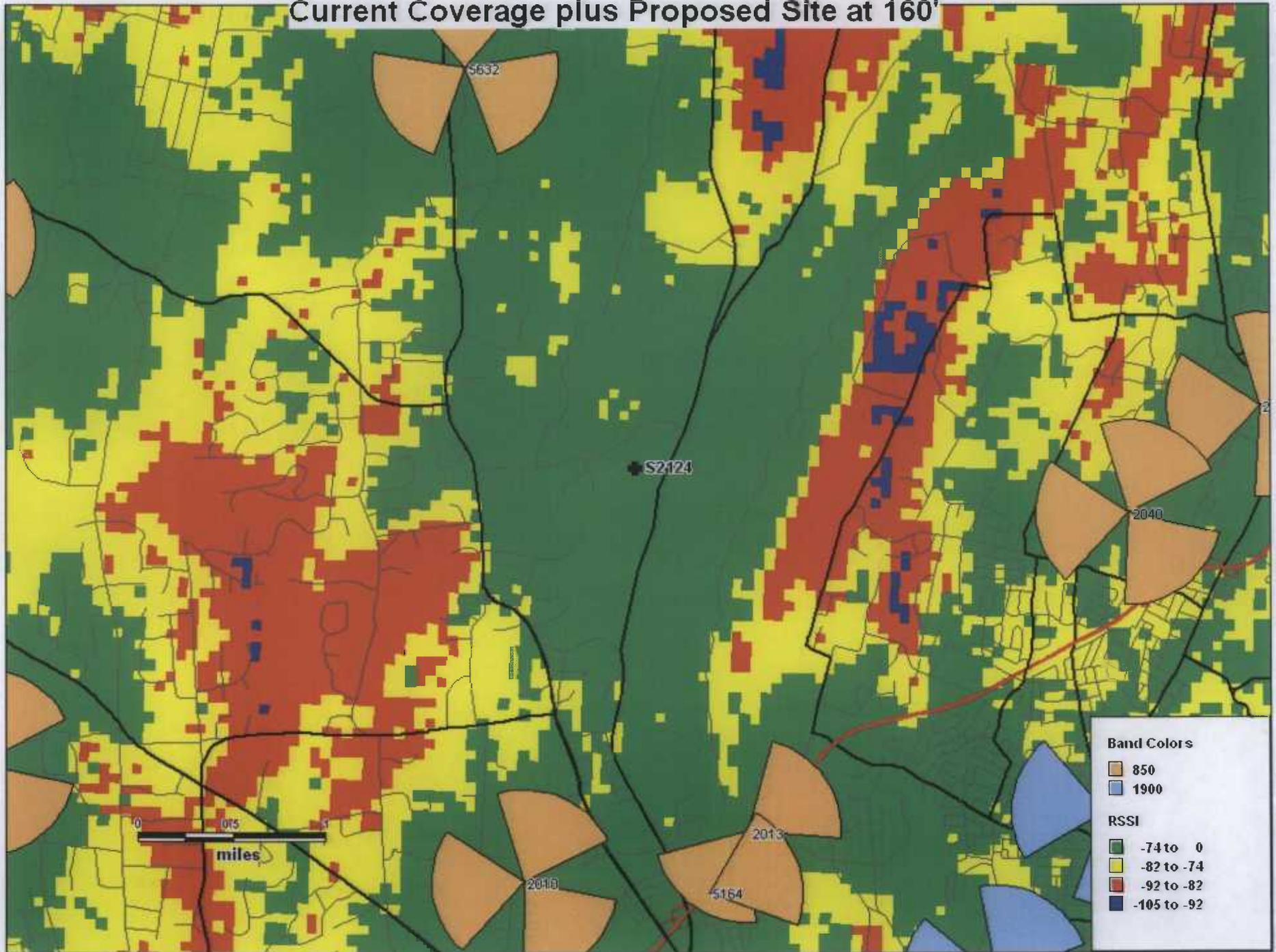
Current Coverage



Current Coverage plus Proposed Site at 170'



Current Coverage plus Proposed Site at 160'



Current Coverage plus Proposed Site at 150'

