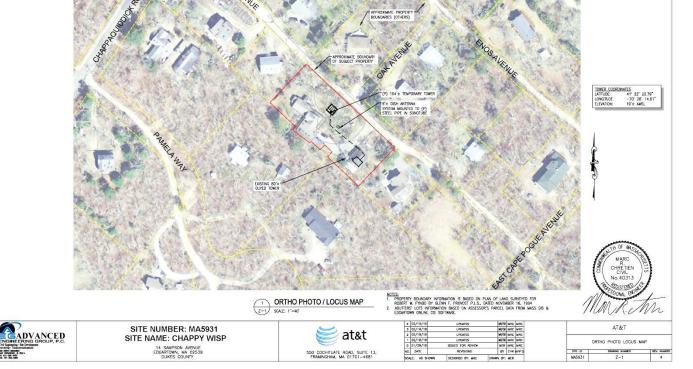
DRI 662 Chappy Wireless Antenna

Proposal

Pursuant to Section 11.6 and 23.3 of the Town of Edgartown Zoning Bylaw, New Cingular Wireless PCS, LLC ("AT&T") proposes to locate a wireless communications facility, including <u>without limitation</u> a 104-foot ballast mounted concealed antenna monopole with 3 guy wires and anchors, 3 panel antennas, a ground mounted dish antenna of 6 feet in diameter, coaxial cables, and 2 radio communications equipment cabinets to be located within an existing building, all located on the property at 14 Sampson Avenue, Edgartown, MA.





Project Summary

- To locate a 104-foot ballast mounted concealed antenna monopole wireless communications facility at 14 Sampson Ave.
- Monopole would have 3 guy wires & anchors, 3 panel antennas, and a ground mounted dish antenna 10' tall and 6' in diameter.
- 2 radio communications equipment cabinets are to be located within an existing building.
- The Applicants have said:
 - This is a temporary antenna to provide service for this summer.
 - They plan to submit an application for a new taller permanent antenna within the next year.
 - They hope to have this temporary antenna up and operational by Memorial Day.
 - Though intended for only six months the temporary antenna is structurally designed for an extended period of time.
 - The WISP tower would remain.
 - Currently the antenna is planned for only AT&T but other providers could be accommodated.

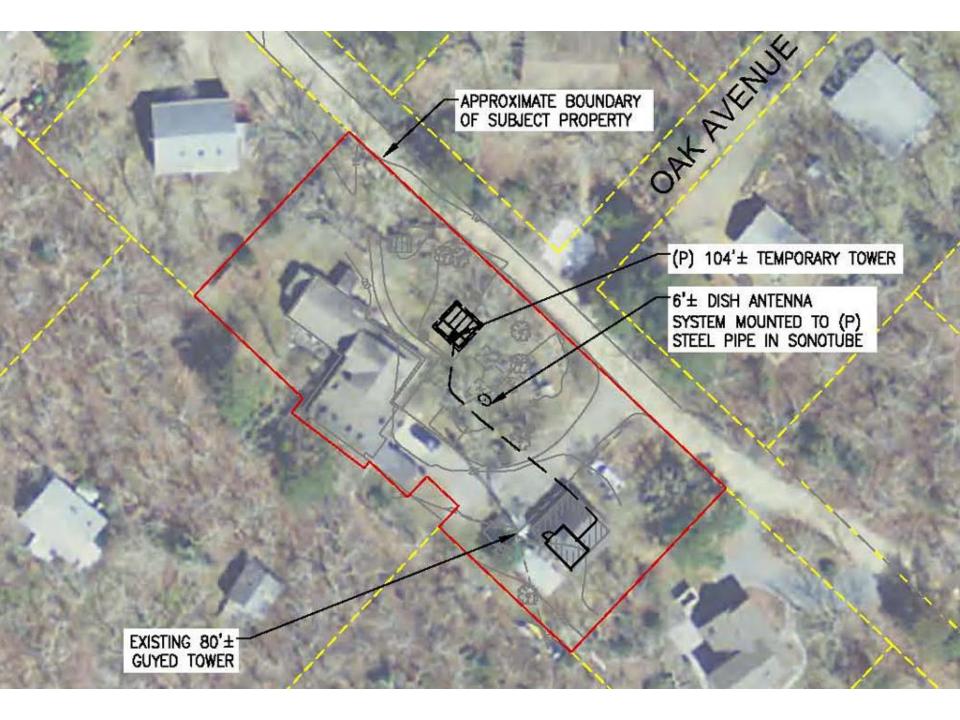
Key Planning Issues & Questions

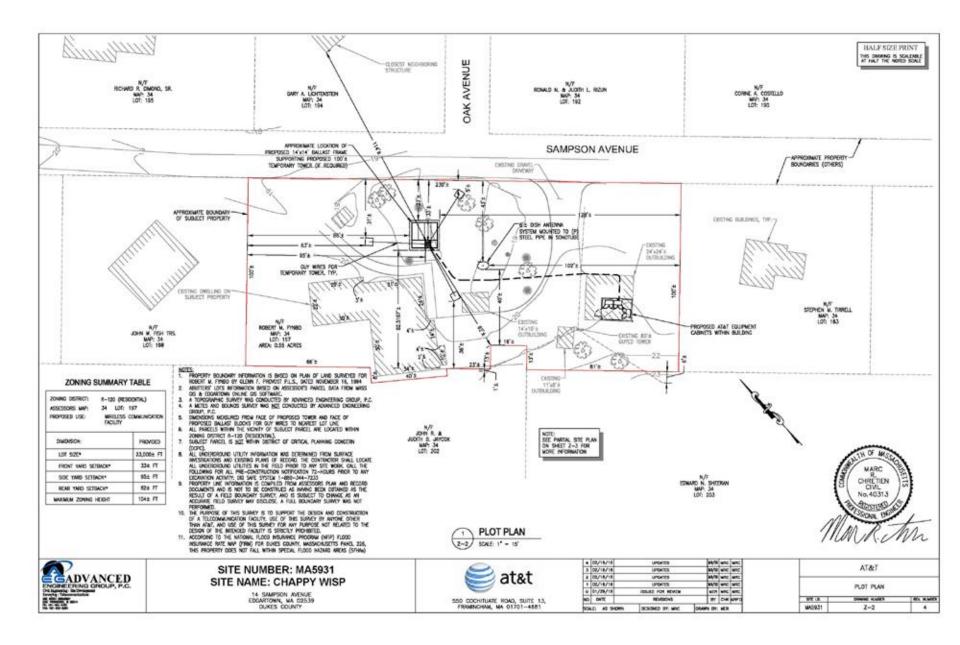
- Visibility: The antenna will be the tallest structure on Chappaquiddick. Is a 104 foot tall monopole tower appropriate for the rural character of Chappaquiddick?
- Location: Is this densely packed residential neighborhood of undersized non-conforming lots the best location on Chappaquiddick for a wireless tower of this size?
- Alternatives: Would a DAS (Distributed Antenna System) be more appropriate for Chappaquiddick?
- Alterations: The Application is from AT&T only for a "wireless communications facility, including without limitation...".
 - How many other carriers could go on this tower?
 - What would the process for adding carriers be?
 - What would it look like with more carriers?
- Temporary: The Application anticipates a revised proposal in the future for a permanent tower. How long can this "temporary" tower be here? Could this temporary tower become the permanent application?
- Fall Zone: The house on the property is within the fall zone of the antenna.

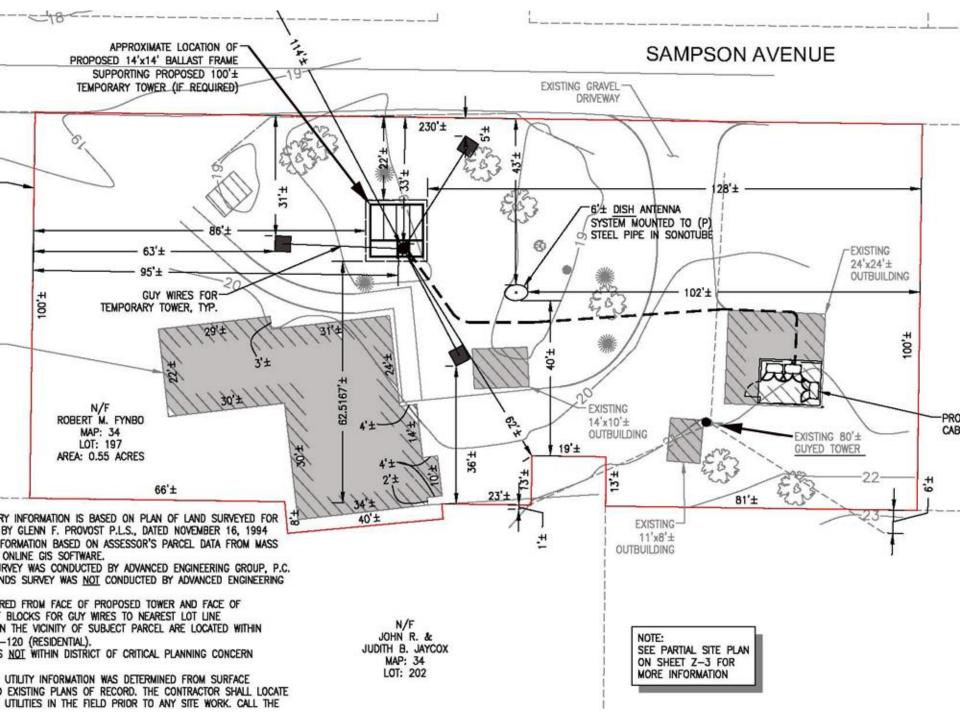
	PROJECT INFORMATION				
SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS SITE ADDRESS: 14 SAMIPSON AVENUE EDGATOWN, MA 02539 LAITTUDE: 41' 22' 20.79" N LONGTUDE: -70' 28' 1.461" W			SITE NUMBER: MA5931		
			SITE NAME: CHAPPY WISP		
URISOICTION:	NATIONAL, STATE & LOCAL CODES OR ORDINANCES			SON AVENUE	
PROPOSED USE: TELECOMMUNICATIONS FACILITY			EDGARTOWN, MA 02539		
esign guideline:	TEMPORARY SITE BUILD		DUKES	COUNTY	
	DRAWING INDEX	REV	LOCUS MAP	GENERAL NOTES	
3N-1 GENEF Z-1 ORTHO Z-2 PLOT I	IAL SITE PLAN ATION	• • • • • •		 THIS DOCUMENT IS THE CREATEN, DESIGN, PROPERTY AND COPPRIGHED WORK OF ATA ANY DUPLICATION OR USE WITHOUT EXPRESS WRITEN CONSULT IS STRECTLY PROHIBIE DUPLICATION AND USE BY CONTRIMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REDULATIONY AND ADMINISTRATIME FUNCTIONS IS SPECIFICALLY ALLINED. THE FACILITY IS AN UNMANINED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANTARY SERVER SERVICE. THE FACILI IS NOT COVERNED BY REQUIRING PUBLIC ACCESS PER ADA REDUIREMENTS CONTRACTOR SHALL VERFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE STREPORE DEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME. 	
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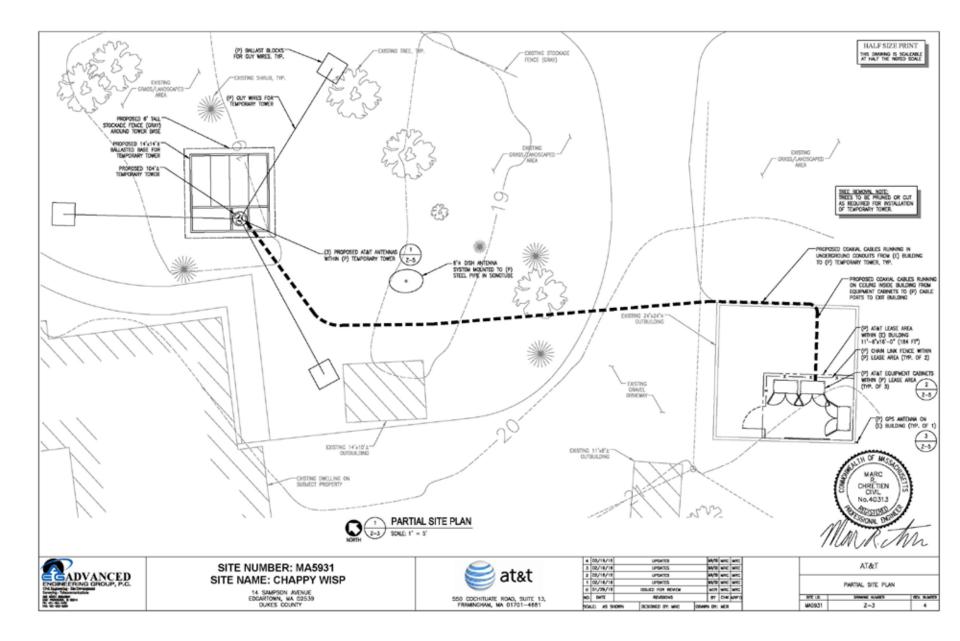
Sampson Avenue, Chappaquiddick

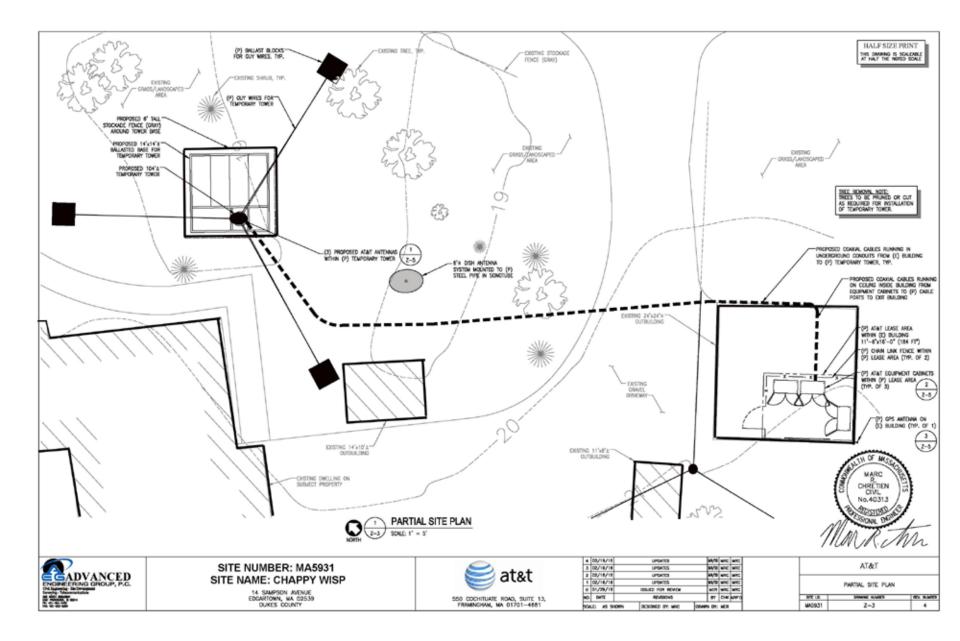




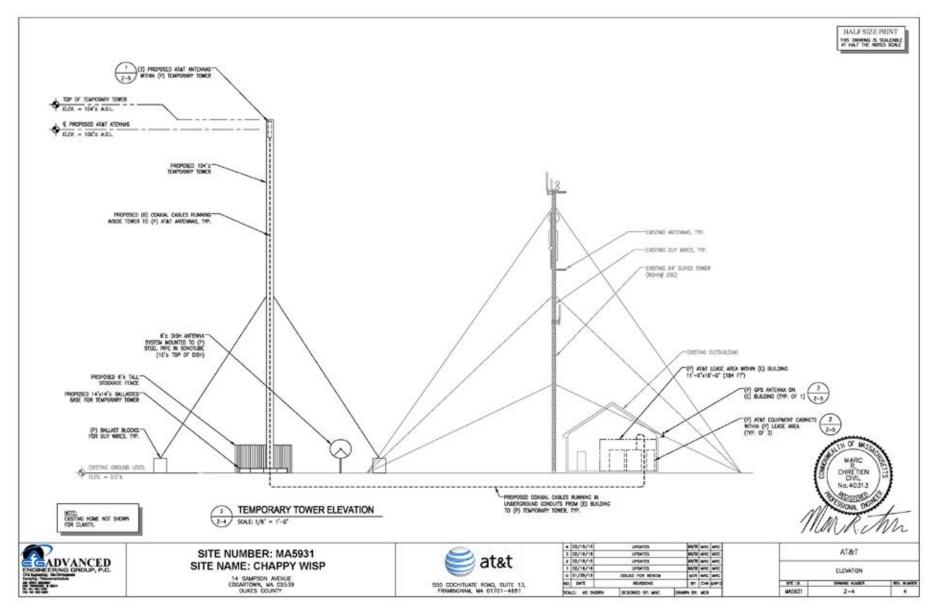


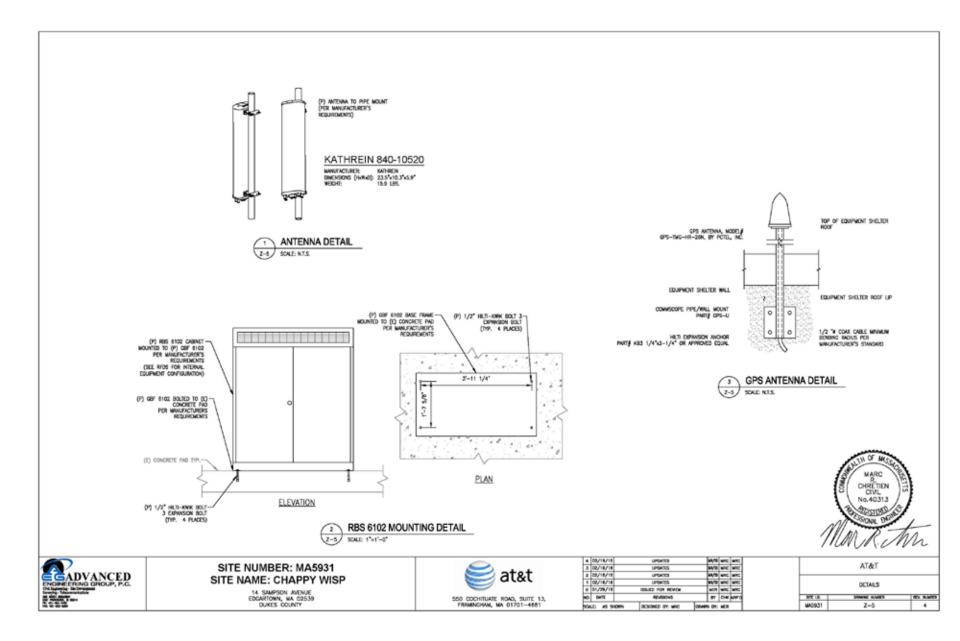


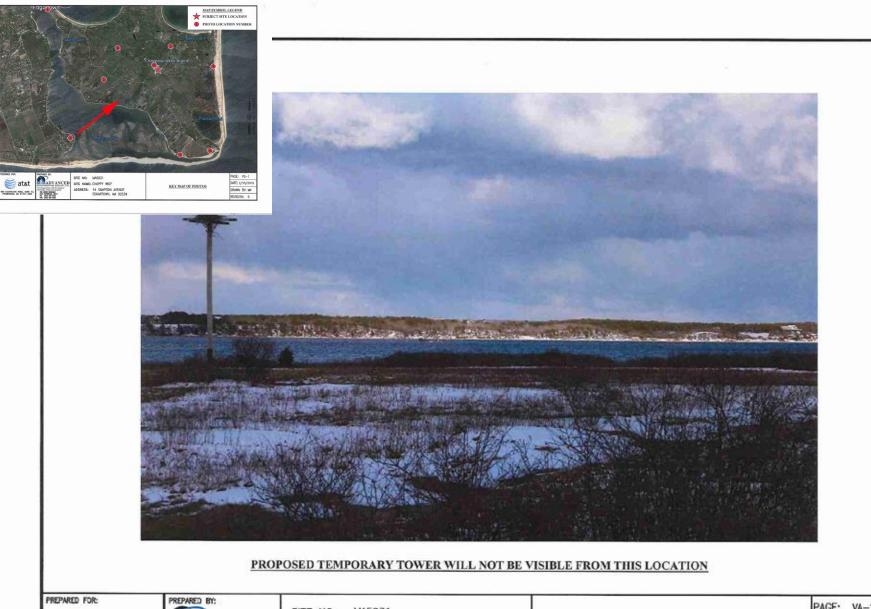




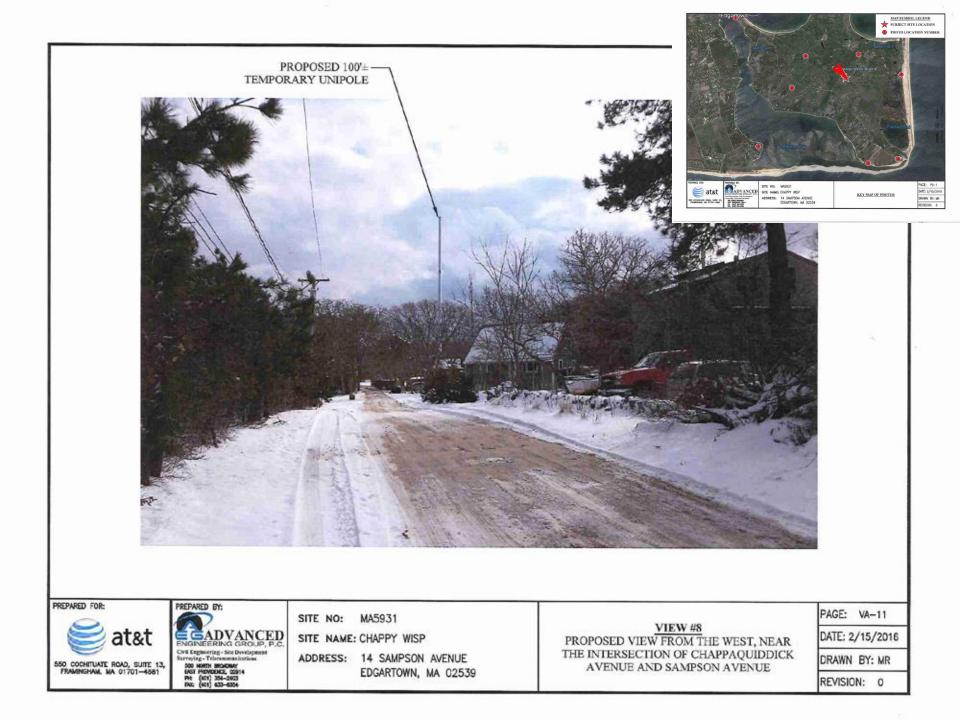
Proposed 104' Temporary Antenna & Existing WISP to Remain

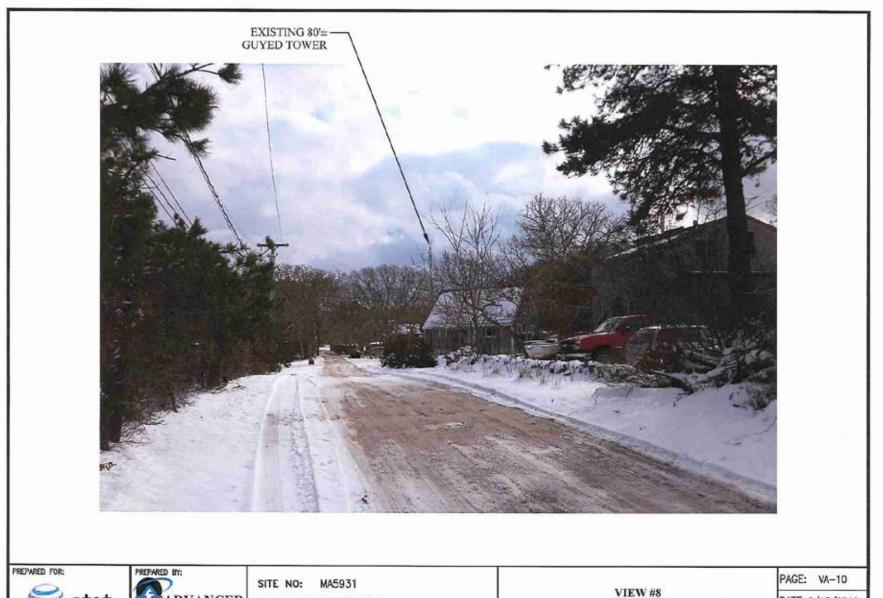






PAGE: VA-12 SITE NO: MA5931 VIEW #9 at&t ENGINEERING GROUP, P.C. DATE: 2/15/2016 SITE NAME: CHAPPY WISP EXISTING VIEW FROM THE SOUTHWEST, Ovil Engineering - Site Development Surveying - Telecommunications ADDRESS: 14 SAMPSON AVENUE DRAWN BY: MR ON EDGARTOWN ROAD 550 COCHITUATE ROAD, SUITE 13, FRAMINGHAM, NA 01701-4681 500 NORTH BROWDWAY DAT PROMDINCE, 02914 Pit: (401) 304-2463 FAI2 (401) 833-6354 EDGARTOWN, MA 02539 REVISION: 0





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SITE NAME: CHAPPY WISP

ADDRESS: 14 SAMPSON AVENUE

EDGARTOWN, MA 02539

at&t

550 COCHITUATE RCAD, SUITE 13, FRAMINGHAM, MA 01701-4681

DATE: 2/15/2016

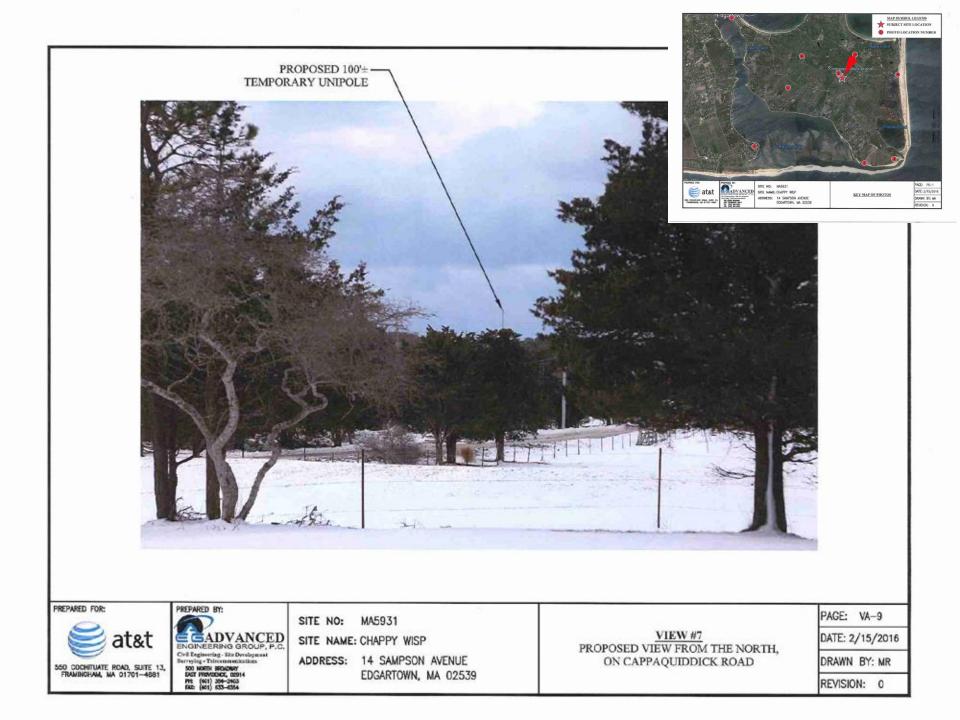
EXISTING VIEW FROM THE WEST, NEAR

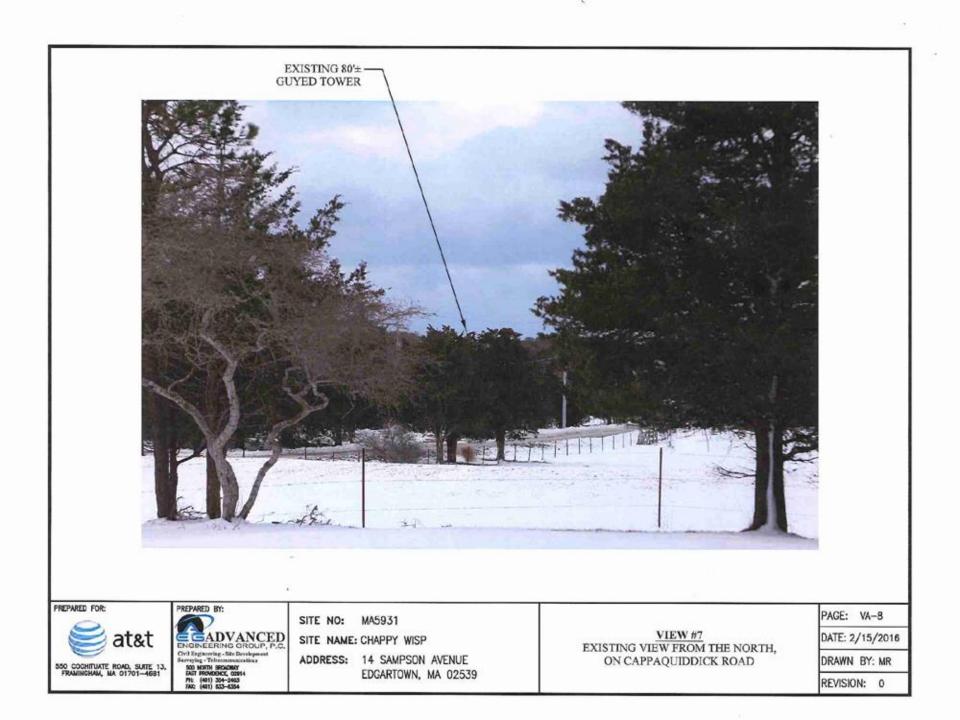
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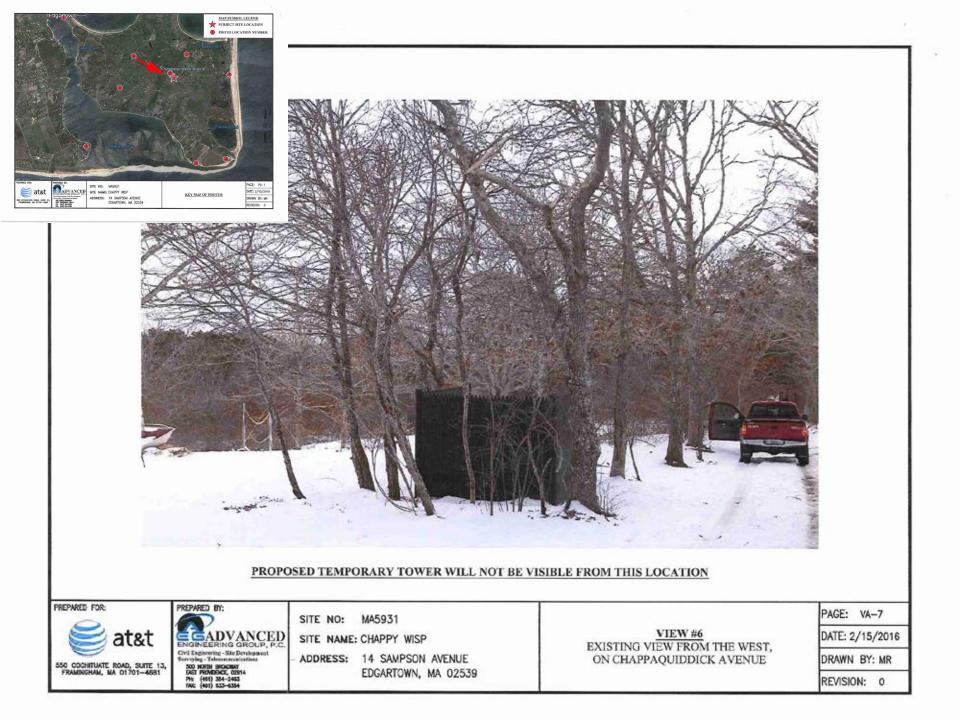
AVENUE AND SAMPSON AVENUE

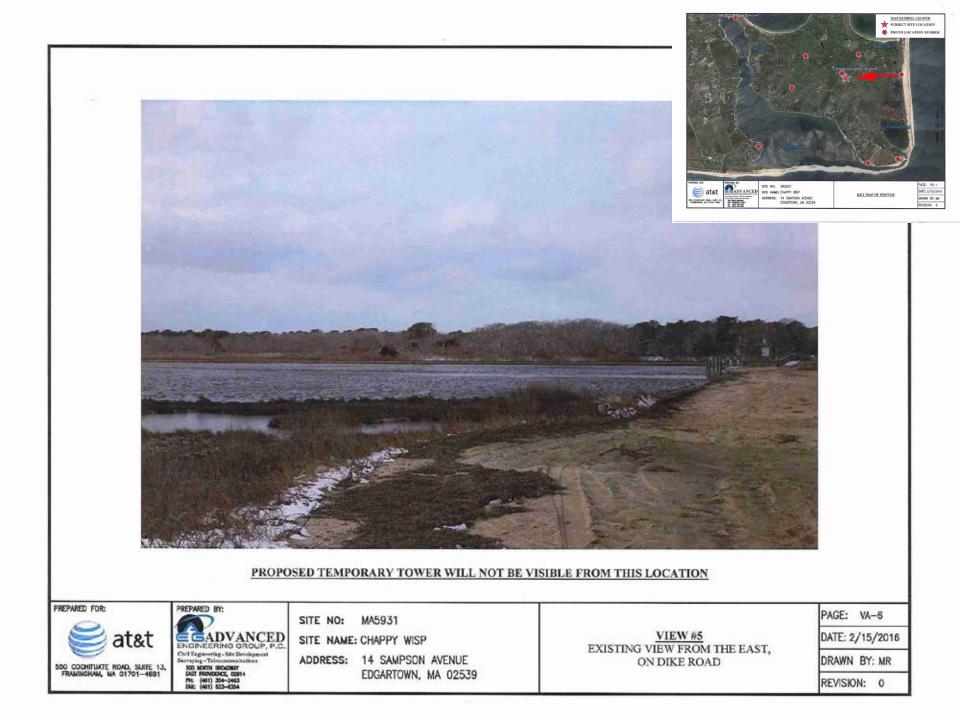
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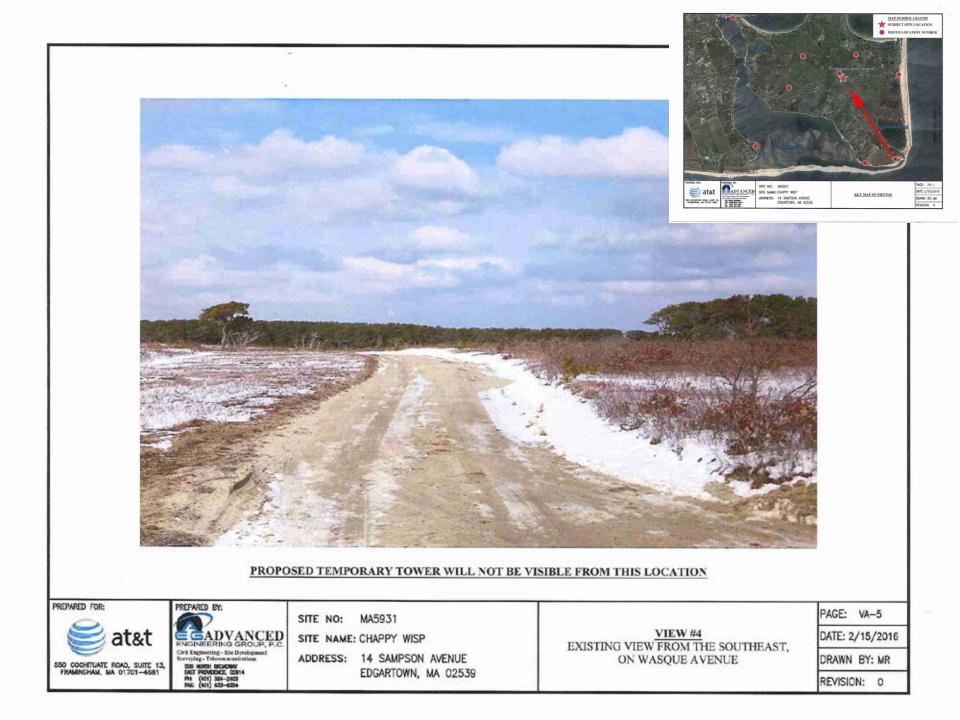
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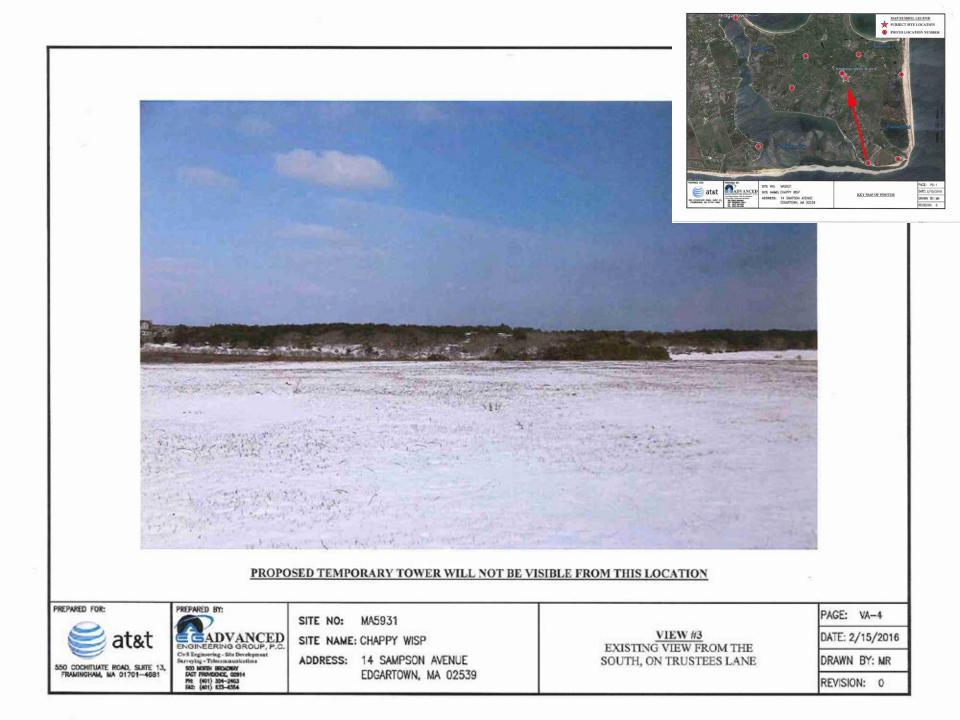


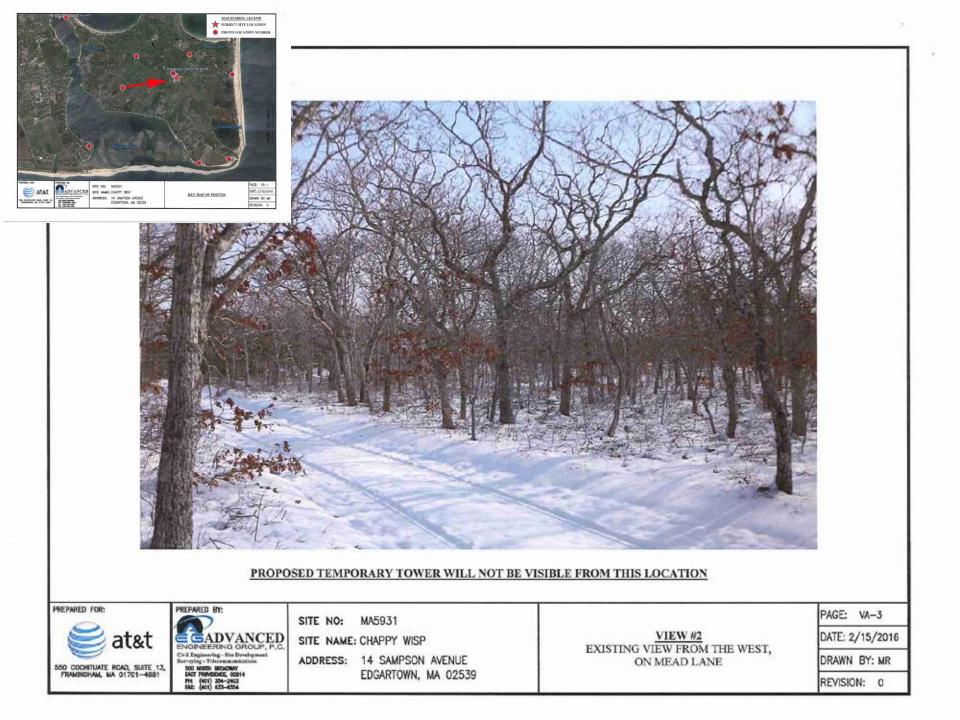


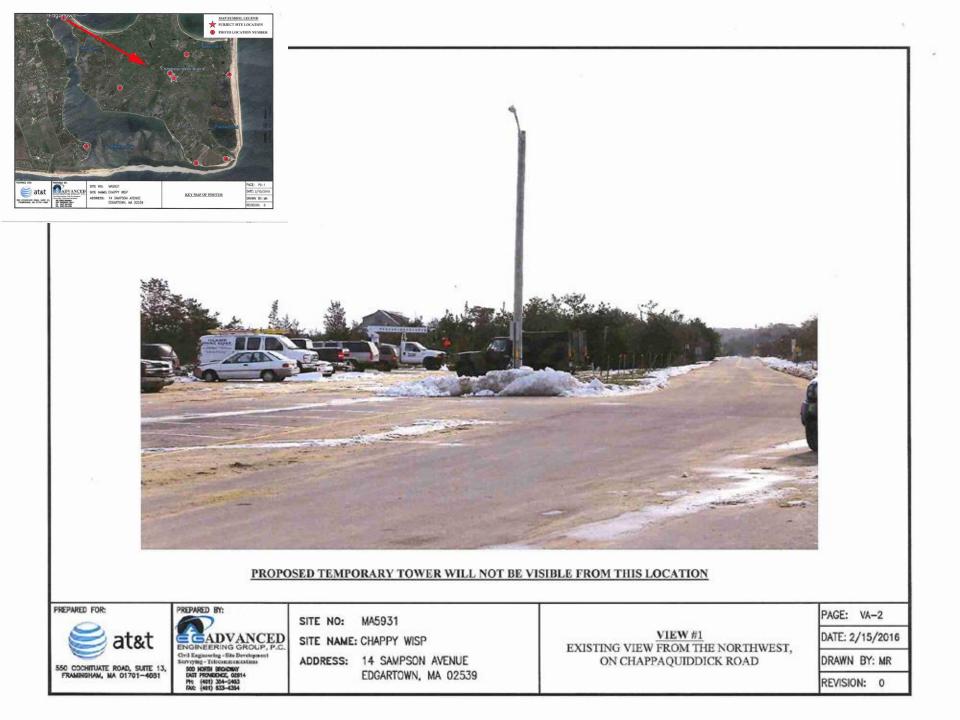












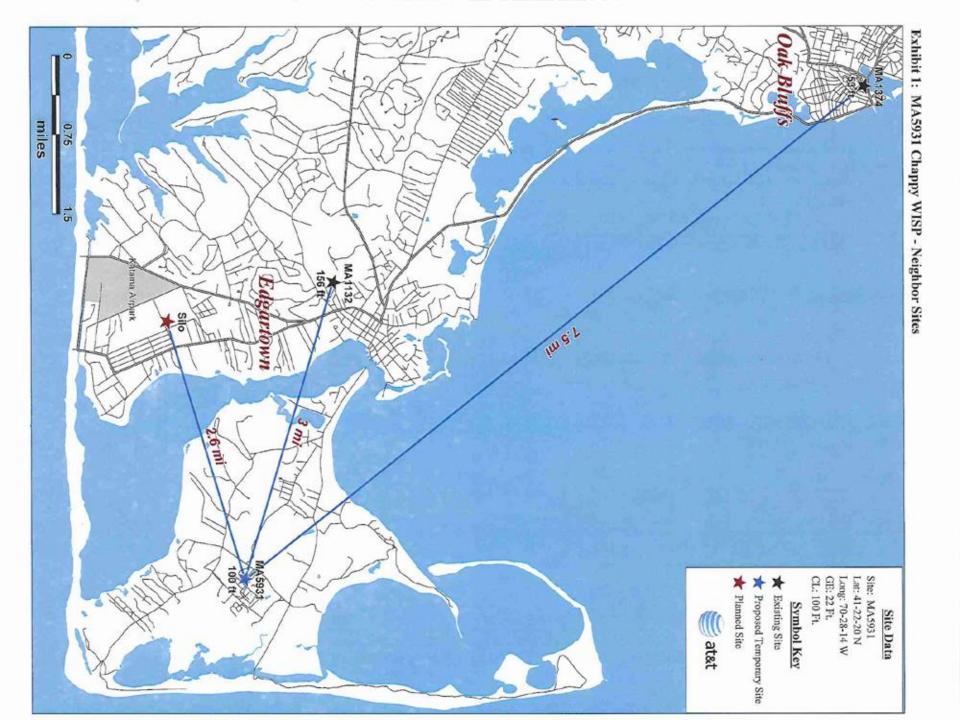


Exhibit 2: MA5931 Chappy WISP - Existing AT&T 850 MHz Coverage

GE: 22 Ft. Site: CL: 100 FL Long: 70-28-14 W at: 41-22-20 N : MA5931 Site Data

FCC License: KNKN705 UMTS 850 MHz Plot Information

Symbol Key

Proposed Temporary Site Existing Site

Planned Site

Coverage Key

Greater than -75 dBm

-85 to -90 dBm -75 to -85 dBm

Less than -90 dBm



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OF Pa

Lighthouse Rd

One

Galcha Rond Rd Existing AT&T Cell Coverage Map Green Good – White Not

PEOR PMA

aparod a

miles

Exhibit 3: MA5931 Chappy WISP - AT&T 850 MHz Coverage with Proposed Temporary Site

Site: MA5931 Lat: 41-22-20 N Long: 70-28-14 W GB: 22 Ft. CL: 100 Ft.

Plot Information

JMTS 850 MHz PCC License: KNKN705

Symbol Key

C Existing Site
Proposed Temporary Site

Planned Site

Coverage Key

Greater than -75 dBm

-75 to -85 dBm -85 to -90 dBm

Less than -90 dBm

RTD ACCENING

Wighthouse Rd



VA1132

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garlow

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Proposed AT&T Cell Coverage Map With Temporary 104' Monopole Green Good – White Not

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miles

Exhibit 5: MA5931 Chappy WISP: Existing 850 MHz UMTS Coverage with Phone Baseline Drive Data

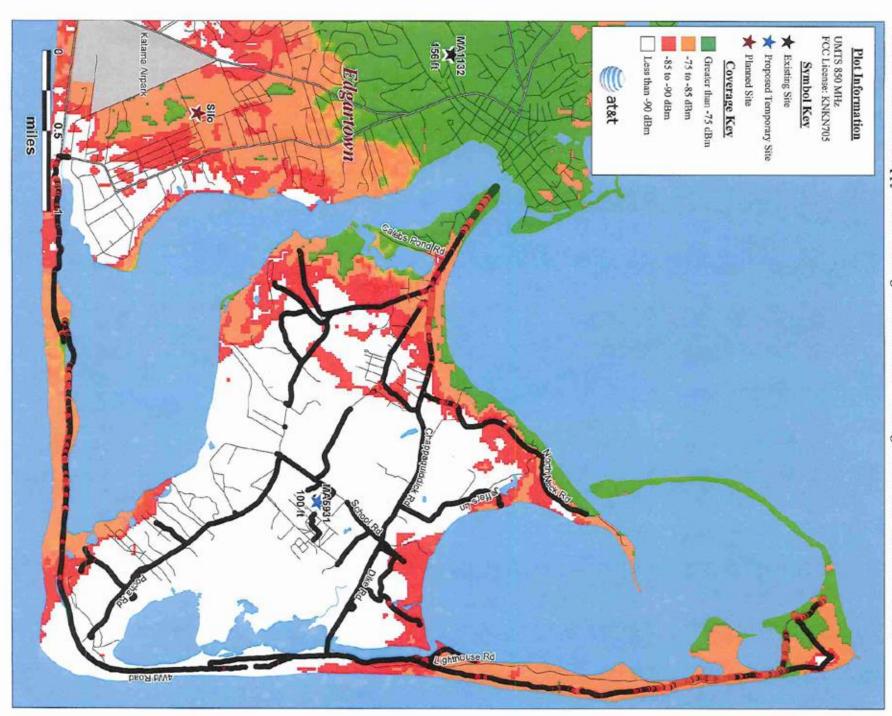


Exhibit 4: MA5931 Chappy WISP - Area Terrain Map

Site Data



Topographic Impacts on cell coverage

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atte Peggint

Herting

miles

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Chappy Road



Sampson Lane



Sampson Lane



Sampson Lane





Fynbo Property 14 Sampson Avenue

21



Existing WISP from neighbors

