

Arx Wireless Infrastructure LLC Lot 4-N, Sequin Drive Glastonbury, CT 06033

Site Search Summary

Section 16-50j-74(j) of the Regulations of Connecticut State Agencies requires the submission of a statement that describes "the narrowing process by which other possible sites were considered and eliminated." In accordance with this requirement, descriptions of the general site search process, the identification of the applicable search area, and the alternative locations considered for the development of the proposed telecommunications facility in Glastonbury are provided below by the Applicant, Arx Wireless Infrastructure, LLC ("ARX").

Site Search Process

As a tower infrastructure provider, ARX is in direct consultation with individual carriers and uses its overall knowledge and understanding of existing wireless carrier networks to identify geographical areas where wireless service is unreliable. ARX only pursues a site search for a new tower when it is clear that a new tower facility will be required and all other options have been evaluated and/or exhausted. When conducting a site search, ARX's radio frequency engineers, in consultation with the appropriate wireless carrier radio frequency engineers, identify search areas central to the necessary geographical coverage area. In this case, AT&T identified a need for wireless coverage in this area of Glastonbury and has agreed to support an application by ARX to construct a new facility in this location to provide the coverage required.

ARX is sensitive to State and local desires to minimize the construction of new towers, and it does not pursue the development of a new facility where an acceptable existing structure can be found. In general, ARX's site acquisition personnel study the area in and near the search area to determine whether any suitable structure exists. If ARX cannot find a structure with appropriate height and structural capabilities, it turns to industrial and commercial areas or individual parcels that have appropriate environmental and land use characteristics. The list of potential locations is limited by the willingness of property owners to make their properties available for a telecommunications facility. Radio frequency engineers study potentially suitable and available locations to determine whether those locations will meet the technical requirements for a telecommunications facility. The list of possible alternative sites may be further narrowed by ARX's analysis of potential environmental effects and benefits. The weight given to relevant factors varies for each search, depending on the nature of the area and the availability of potential sites.

A site search ring is selected in an area where wireless service problems have been identified. In any search ring or search area, ARX seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of the cell site, while at the same time maximizing the quality of service provided from a particular facility. These objectives are achieved by initially locating existing towers and other sufficiently tall structures within and near the site search area. If any are found, they are evaluated to determine whether they are capable of supporting a carrier's telecommunications antennas and related equipment at a location and elevation that satisfies its technical requirements.

The list of available locations may be further reduced if, after preliminary negotiations, the property owners withdraw a site from further consideration. From among the remaining locations, the proposed sites are selected by eliminating those that have greater potential for adverse environmental effects and fewer benefits to the public (<u>i.e.</u>, those requiring taller towers; those with substantial adverse environmental impacts; or those with limited ability to share space with other public or private telecommunications service providers). It should be noted that in any given site search, the weight afforded to factors considered in the selection process will vary depending upon the availability and nature of sites within the search area.

Need for the Facility

The proposed wireless telecommunications facility ("Facility") consisting of a 115-foot monopole structure (not to exceed 115' with antennas) at Lot 4-N, Sequin Drive, Glastonbury, Connecticut (the "Property" or "Site"), will allow AT&T to provide necessary in-building business/retail, residential, and in-vehicle coverage if it is permitted to locate at a centerline height of 111 feet. AT&T's location at the 111-foot level will provide much-needed coverage in the area within the proposed coverage footprint. With the development of the proposed Facility, residential customers would have reliable in-vehicle and in-building coverage for their voice and data needs as well as reliable coverage for E-911 services.

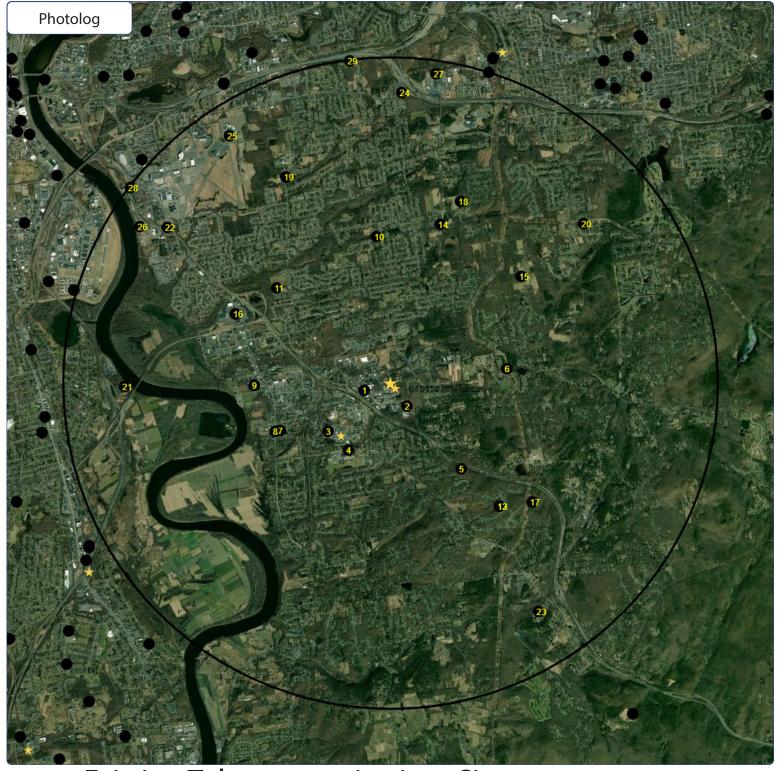
Filed with the Application are propagation plots prepared that depict (1) coverage from existing and approved surrounding sites, and (2) coverage from the proposed Site in conjunction with existing and approved sites. Together, these propagation plots demonstrate AT&T's need for a site in the area of the proposed Facility and the effectiveness of the proposed Facility in meeting the need for wireless service in this area of Glastonbury.

Sites Investigated

ARX and AT&T identified and investigated a total of twelve (12) sites in Glastonbury. A listing of the sites investigated is provided below.

- 1. Lot 4-N, Sequin Drive, Glastonbury, CT (the proposed site). ARX entered into a lease agreement with the owner of this property, New Land of Glastonbury, LLC, for the development of the Facility. The Property is an approximately 11.24-acre parcel. The Property is zoned as Planned Commerce (PC) in the Town's zoning records. The Site is situated on the north side of Sequin Drive and Oakwood Drive to the south. There are no trees that will need to be removed to construct the Facility. This site will meet the coverage needs of AT&T in this area of Glastonbury.
- 2. <u>210 Commerce Street, Glastonbury, CT.</u> ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- 3. <u>240 Oakwood Drive, Glastonbury, CT</u>. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- **Sequin Drive (Map F5, Block 6200, Lot N006), Glastonbury, CT**. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- 5. <u>269 Oakwood Drive, Glastonbury, CT</u>. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- **6. 40 Oakwood Drive, Glastonbury, CT**. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- 7. <u>311 Oakwood Drive, Glastonbury, CT</u>. Although the Town was interested in purusing the construction of a tower at this site, it was rejected from an RF perspective by AT&T. Verizon also expressed that it had no interest in the site.
- 8. <u>626-628 Hebron Avenue, Glastonbury, CT</u>. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- **9. 455 Winding Brook Drive, Glastonbury, CT**. AT&T explored the use of this parcel for the development of a new tower, but it was deemed unsual due to a lack of interest from the owner.

- **10.** <u>155 Addison Road, Glastonbury, CT</u>. AT&T explored the use of the rooftop on the building at this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- **11. 107 Eastern Blvd, Glastonbury, CT**. AT&T explored the use of the rooftop on the building at this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- **12. 17 Wickham Road, Glastonbury, CT**. AT&T explored the use of this parcel for the development of a new tower, but it was rejected from an RF perspective.



Existing Telecommunications Sites:

Glastonbury 854 Hebron Ave Glastonbury, CT 06033



Proposed Site



4 Mile Radius



Existing Site Locations





Applicant's Name: ARX Wireless

Project Name: Glastonbury

Project Number: CT0114

Glastonbury 854 Hebron Ave Glastonbury, CT 06033 Project Name: CT0114

GPS Location: 41.71465 Lat:

> Long: -72.58076

Existing Towers

LATOU	ing rowers							
ID	NAME	ADDRESS	TOWN	LAT	LONG	HT	TYPE	DIST
1		628 Hebron Avenue, Bldg 2	Glastonbury	41.713	-72.587	0	rooftop	0.34
2	Verizon	278 Oakwood Drive	Glastonbury	41.711	-72.577	114.83	small cell	0.34
3	Verizon	55 Oak Street	Glastonbury	41.706	-72.596	91.86	utility pole	0.97
4	Verizon	377 Hubbard Street	Glastonbury	41.703	-72.591	85.3	utility pole	0.97
5	SBA	58 Montano Road	Glastonbury	41.699	-72.564	393.7	monopole	1.36
6	CLandP (#12196)	1492 Hebron Avenue	Glastonbury	41.717	-72.553	426.51	power mount	1.44
7	Glastonbury, Town of	2108 Main St.	Glastonbury	41.706	-72.607	554.46	self-supporting lattice	1.47
8	Verizon	2113 Main Street	Glastonbury	41.706	-72.608	124.67	utility pole	1.53
9	SBA	2577 Main Street	Glastonbury	41.714	-72.613	426.51	self-supporting lattice	1.67
10	Message Center Management	465 Hills Street	East Hartford	41.741	-72.584	360.89	monopine	1.81
11	Crown Atlan- tic	1455 Forbes St	East Hartford	41.732	-72.608	426.51	monopole	1.82
12	Global Signal	1616 (1679) New London Turnpike	Glastonbury	41.693	-72.555	505.25	monopole	2.02
13	Crown Castle	Paxton Way	Glastonbury	41.693	-72.555	492.13	monopole	2.02
14	Mark and Carolyn Sirois	706 Hillstown Road	Manchester	41.743	-72.569	0	rooftop	2.04
15	InSite Wireless	577 Bell Street	Glastonbury	41.734	-72.55	295.28	self-supporting lattice	2.07
16	Verizon	3029 Main Street	Glastonbury	41.727	-72.617	95.14	small cell	2.08
17	Crown	366 Three Mile Rd	Glastonbury	41.694	-72.547	492.13	monopole	2.26
18	ATandT	575 Hillstown Road	Manchester	41.747	-72.564	229.66	other	2.39
19	Verizon	894 Forbes Street	East Hartford	41.751	-72.606	62.34	utility pole	2.84







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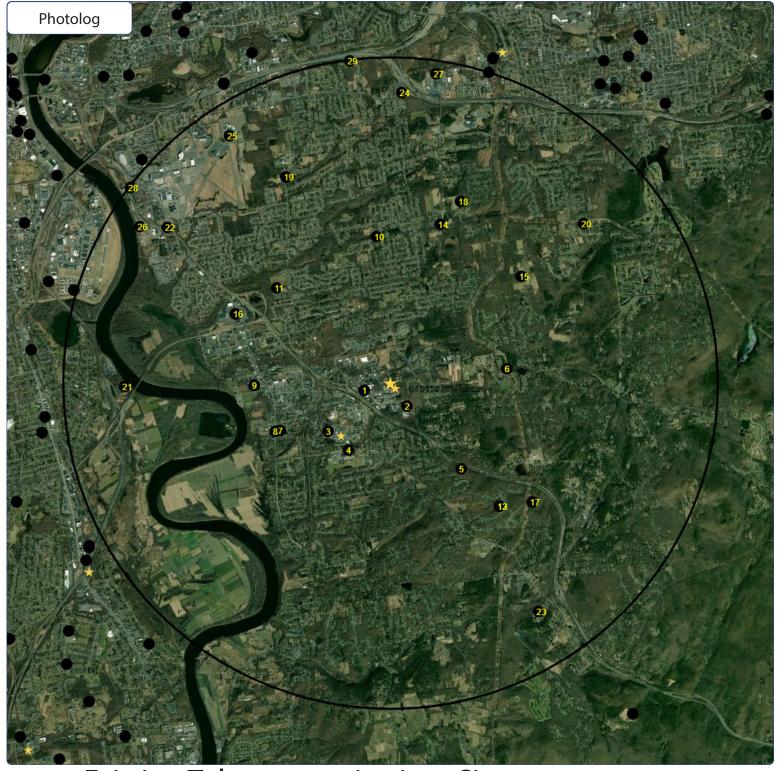
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20	CLandP (Pole # A29317)	595 Keeney Street	Manchester	41.743	-72.535	393.7	power mount	3.07
21	Putnam Park Office Bldg.	100 Great Meadow Rd	Wethersfield	41.714	-72.644	396.98	building mount	3.25
22	T-Mobile	287 Main Street	East Hartford	41.742	-72.634	272.31	other (flagpole)	3.34
23	Town of Glastonbury	2380 New London Tpke.	Glastonbury	41.674	-72.546	328.08	tower	3.34
24		1492 Silver Lane	East Hartford	41.766	-72.578	0	steeple	3.57
25		615 Silver Lane (Rent- schler Field)	East Hartford	41.759	-72.619	0	indoor/rooftop	3.62
26		211 Riverside Drive	East Hartford	41.743	-72.64	0	rooftop	3.62
27	t-mobile	205 Spencer St.	Manchester	41.77	-72.57	410.11	o-flagpole	3.84
28	Verizon	Riverside Drive	East Hartford	41.749	-72.642	78.74	utlity pole	3.99
29	Town of East Hartford	100 Sunset Ridge	East Hartford	41.772	-72.59	459.32	self-supporting lattice	3.99









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