TOWN OF
YORKTOWN

WIRELESS TELECOMMUNICATION INFRASTRUCTURE ANALYSIS

APPENDIX I

June 23, 2023

OVERVIEW

Smartphones and smart wireless devices are a fixture of every-day life for millions of people. In 2021, the number of unique mobile internet users globally was 4.32 billion with over 90% using a wireless device to connect.[1] Consumers using these devices expect fast and uninterrupted network connections to the internet, maps, files, videos, news, music, along with the myriad of available applications. For these devices to function optimally a lot of bandwidth is required. To facilitate the device demands, antennas mounted on towers or other elevated infrastructure is necessary.

Functionality is best when the signal transmits directly from the antenna to the consumer's wireless device(s) without obstruction from buildings, trees and/or ridgelines. Macro cell wireless facilities provide the greatest flexibility and coverages for wireless service providers. Without obstructions these facilities can generally cover a two-mile geographic radius in more densely populated areas and about a four-mile radius in suburban and rural areas. Small wireless facilities can be utilized in more populated areas to provide additional services where capacity overloads may be an issue or in areas with viewshed sensitivities. These small wireless facilities typically have approximately a quarter mile service radius.

Coverage gaps result from having facilities with a lot of obstructions, too few antennas within a particular service area or in areas where network capacity overloads occur. Capacity overloads are when the number of wireless subscribers using their devices simultaneously exceeds the performance capability of the wireless facility. Additional antenna infrastructure would be necessary to improve these coverage and/or capacity concerns.

Understanding, evaluating and planning for a well-designed wireless system begins with identifying all existing towers and base stations.

[1] Statista, October 18, 2022

WIRELESS INFRASTRUCTURE INVENTORY

The existing wireless facilities in Yorktown have been assessed, mapped and analyzed in order to estimate the new wireless facilities anticipated in the Town over the next ten years.

The Yorktown Study Area is defined as the Yorktown jurisdictional boundary and a one-mile perimeter surrounding the Town. As of January 1, 2023 there are a total of 26 facilities verified within the Yorktown Study Area. The facilities consist of 20 towers and three base stations with one tower an inquiry.

Within the Yorktown jurisdictional boundary there are specifically 18 sites consisting of 12 towers and six base stations. All of the towers and base stations are macro wireless facilities. Nine are located on private property, four on public property, and five are in Consolidated Edison (Con Ed) utility easements. Fifteen sites are non-concealed, three are concealed and one is semi-concealed.

The following *Table Y1* summarizes the total number of sites and identifies the inventory by structure type, antenna type, location and design. The inventory of facilities are further depicted on corresponding maps as follows: *Figure Y1* Structure Type, *Figure Y2* All Antenna Type, *Figure Y3* PWSF Antenna Type, *Figure Y4* Location and *Figure Y5* Design Type.

Greater site detail including facility picture, location map, ownership, providers, type of facility along with any other pertinent individual site information can be found in the Yorktown Wireless Inventory Catalog in *Appendix I1*.

Yorktown Study Area		INSIDE JURISDICTION				ONE-MILE PERIMETER			
	TOTAL 26	Existing	Approved Not Built	Proposed Under Review	Inquiry	Existing	Approved Not Built	Proposed Under Review	Inquiry
STRUCTURE TYPE									
Towers	20	12	0	0	0	7	0	0	1
Base Stations	6	6	0	0	0	0	0	0	0
ANTENNA TYPE									
Macro Wireless	26	18	0	0	0	7	0	0	1
Small Wireless	0	0	0	0	0	0	0	0	0
Public Safety/Macro	0	0	0	0	0	0	0	0	0
Public Safety	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
LOCATION									
Private Property	17	9	0	0	0	7	0	0	1
Public Property	4	4	0	0	0	0	0	0	0
Utility Easement	5	5	0	0	0	0	0	0	0
ROW	0	0	0	0	0	0	0	0	0
DESIGN TYPE									
Concealed	4	3	0	0	0	1	0	0	0
Semi-Concealed	0	0	0	0	0	0	0	0	0
Non-Concealed	22	15	0	0	0	6	0	0	1

Table Y1: Inventory by Structure Type

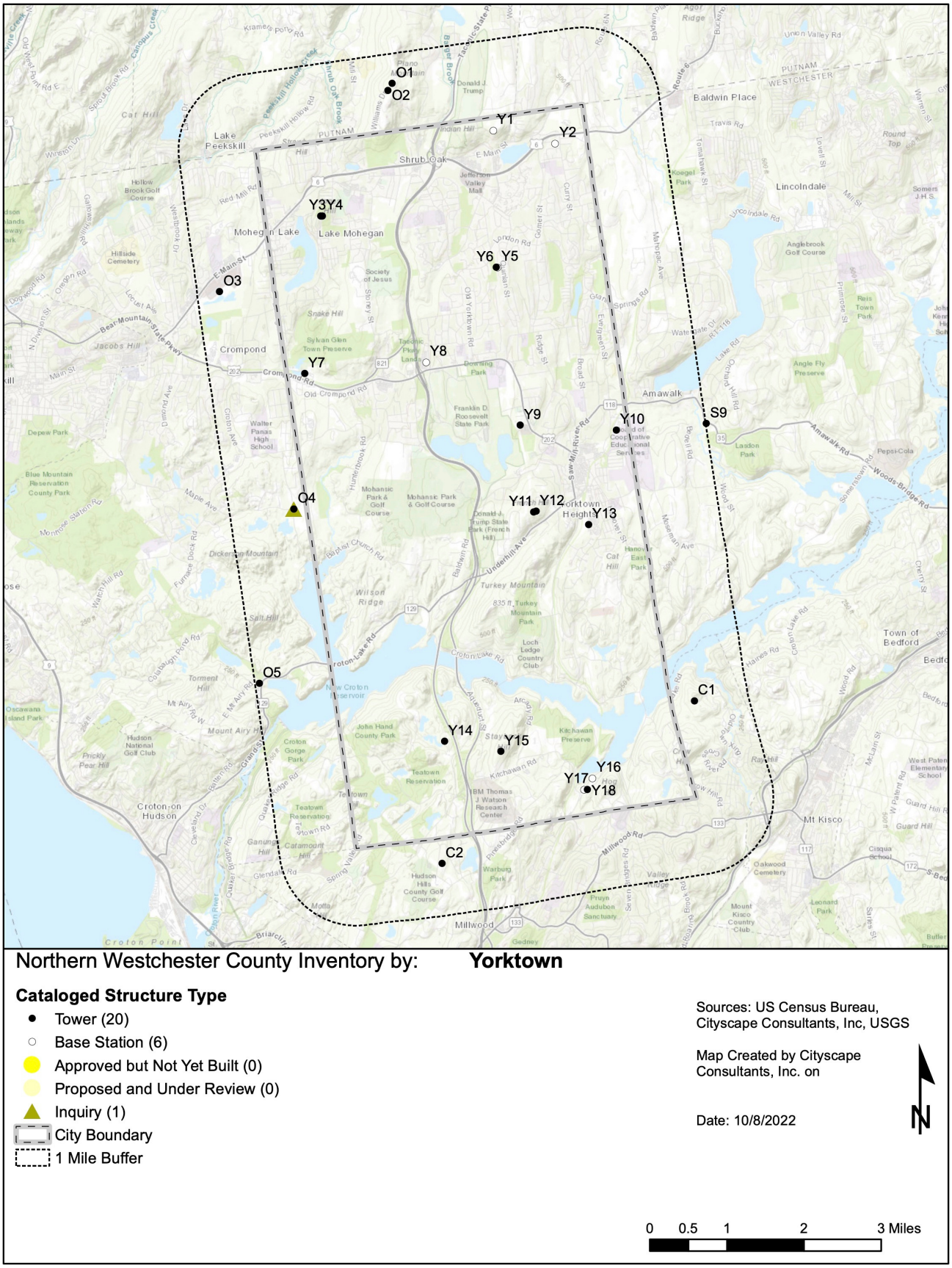


Figure Y1: Map of Existing Inventory by Structure Type

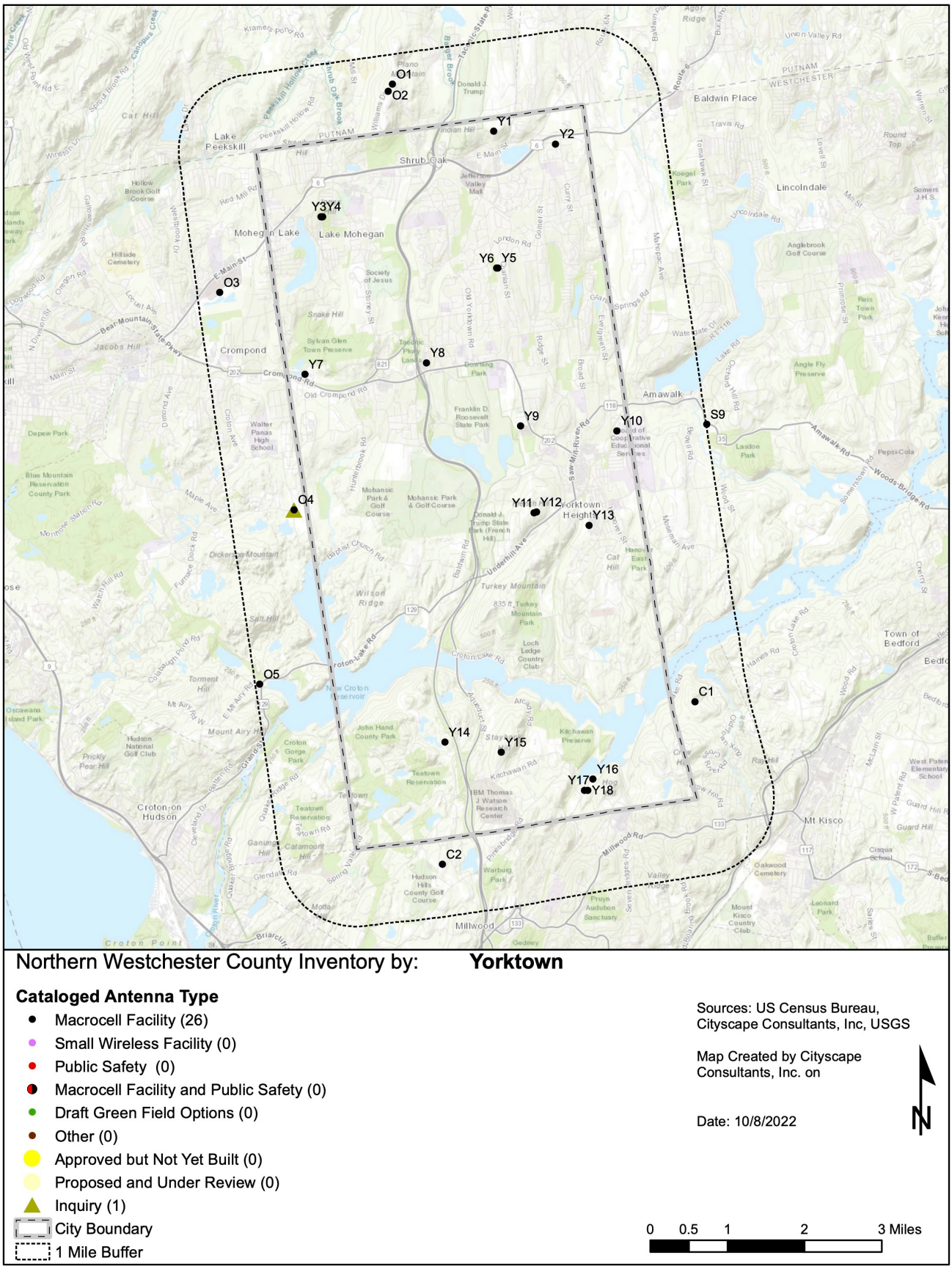


Figure Y2: Map of Existing Inventory by All Antenna Type

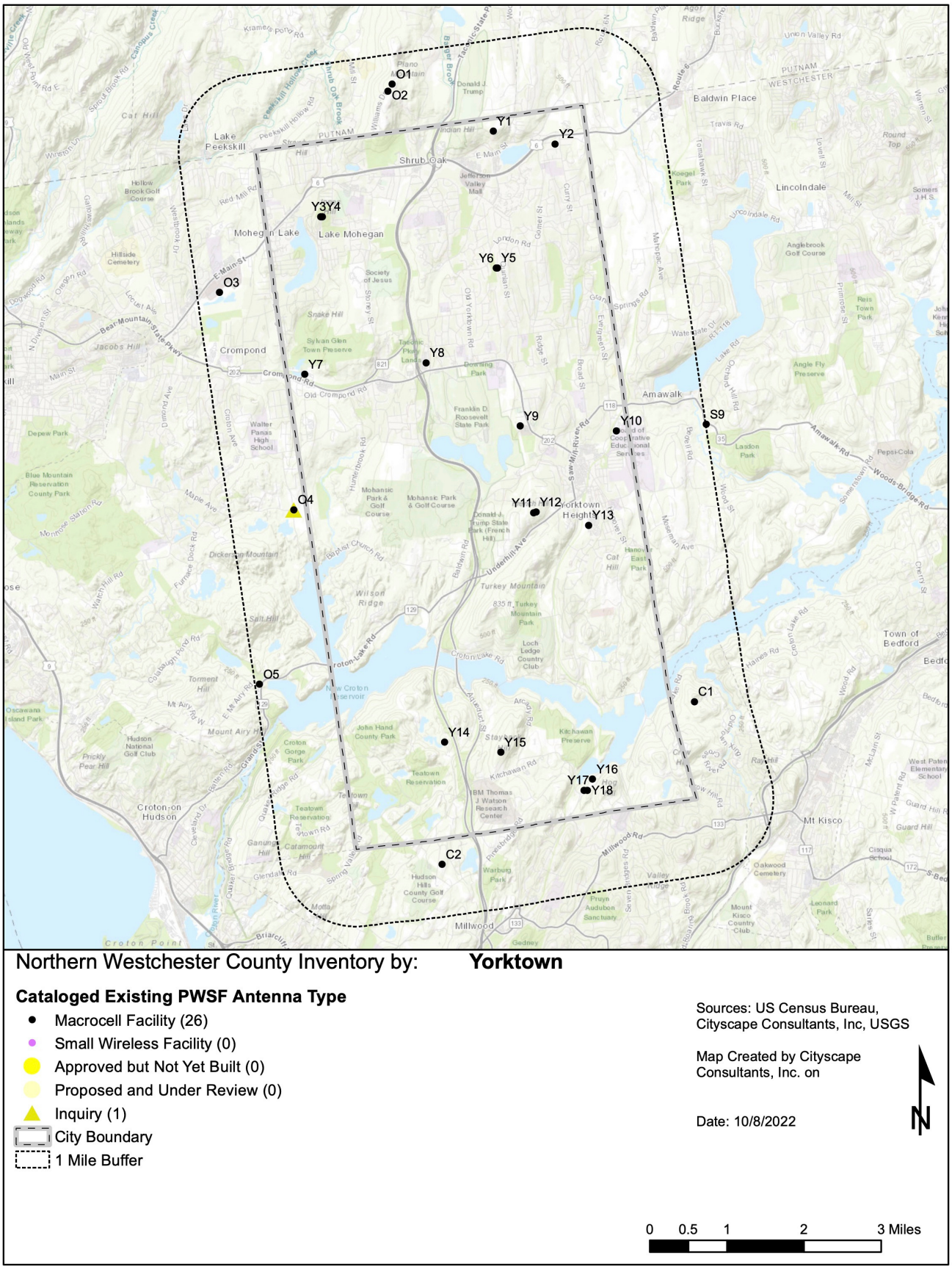


Figure Y3: Map of Existing Inventory by PWSF Antenna Type

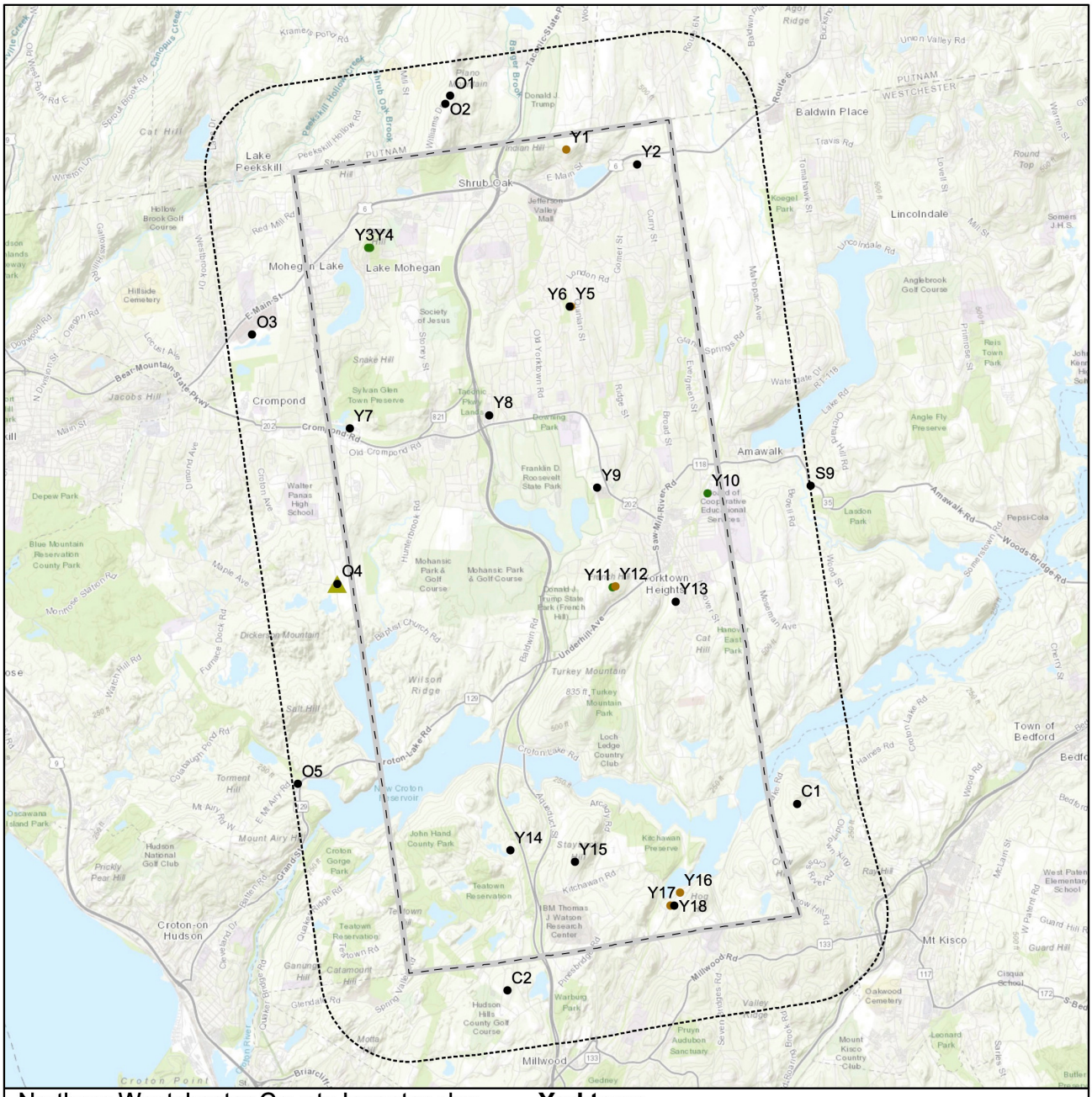


Figure Y4: Map of Existing Inventory by Location

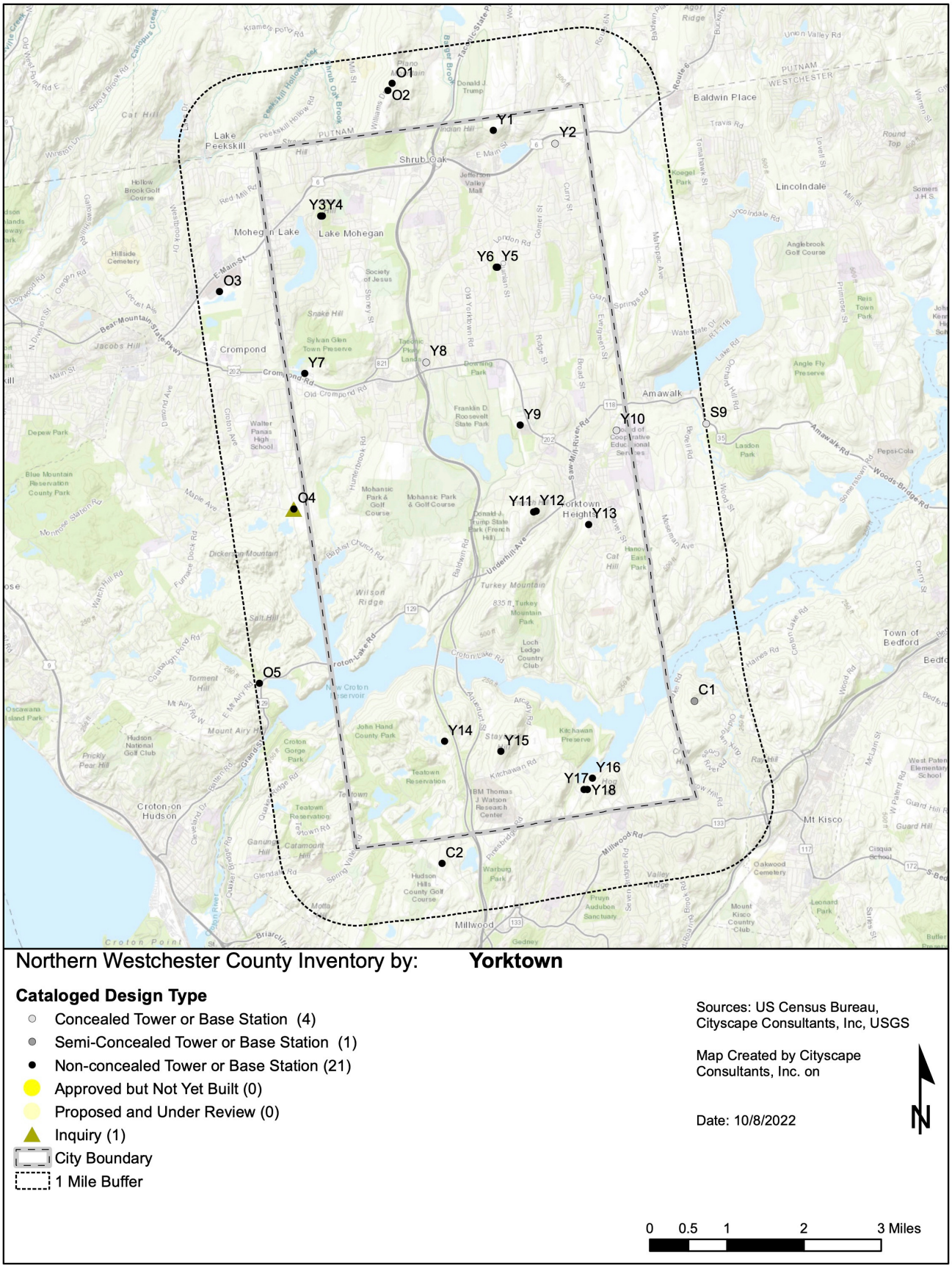


Figure Y5: Map of Existing Inventory by Design Type

PROPAGATION MAPPING AND SIGNAL STRENGTH

Propagation mapping is a tool used to simulate antenna signal strength. Signal strength is a term used to describe the level and operability of a wireless device. The stronger the signal between the elevated antenna and the wireless handset device the more likely the device and all the built-in features will work as expected. As a wireless device approaches the outer edge of the antenna's service area, the signal strength becomes more prone to degradation, particularly as usage in the area increases or environmental conditions worsen.

A reduced signal causes unsatisfactory service, results in slow download or upload speeds and can cause dropped calls. Other factors affecting signal strength are any natural or man-made obstructions such as location of buildings, type of building materials, vegetation, humidity or weather that comes between the antenna and devices. The use of devices indoors or outdoors is also a factor when determining signal strength. Consider this much like a light bulb in a lamp; the further away you are from the lamp, the dimmer the light becomes. Any obstructions in between you and the lamp dims or obscures the light, just like signal strength.

The following propagation map provided in *Figure Y6* illustrates simulated predicted coverage from the existing and approved but not built personal wireless service facility (PWSF) sites for wireless service providers operating in the Town. The map is generated using mid-band frequency spectrum 1700-2400 MHz assuming maximum operating power from each of the towers or base stations. This simulated propagation considers a generic antenna model similar to those used by wireless service providers and assumes each provider is located at the highest mounting height on each facility represented.

The gradation of colors from yellow to blue represents the signal strength emanating from each personal wireless service facility. The geographic areas in yellow identify superior outdoor and indoor signal strength, green equates to areas with average in vehicle signal strength and shades of blue symbolize acceptable or poor outdoor signal strength. Areas with no shades show marginal, spotty or no signal. A quick reference of the shades and descriptions are as follows in *Table Y2.*

SIGNAL STRENGTH COLOR	dBm	SIGNAL STRENGTH DESCRIPTION
Yellow	> -75	In Building
Green	-95	In Vehicle
Blue	-105	Outdoor
Gray or White		Marginal or No Service

Table Y2: Signal Strength Description

This modeling assumption gives an estimation of the wireless coverages in the Town if each service provider was located on each facility. It is noted that not all service providers are on every tower or base station but the goal is to maximize the existing infrastructure already in place to accommodate the other providers.

As shown in *Figure Y6* most of the PWSF sites in the north area are evenly dispersed throughout the northern half of the Town. The southwest quadrant and portions of the southeast quadrants of Yorktown have significant gaps in coverage.

Site Y4

Site Y6

Site Y11

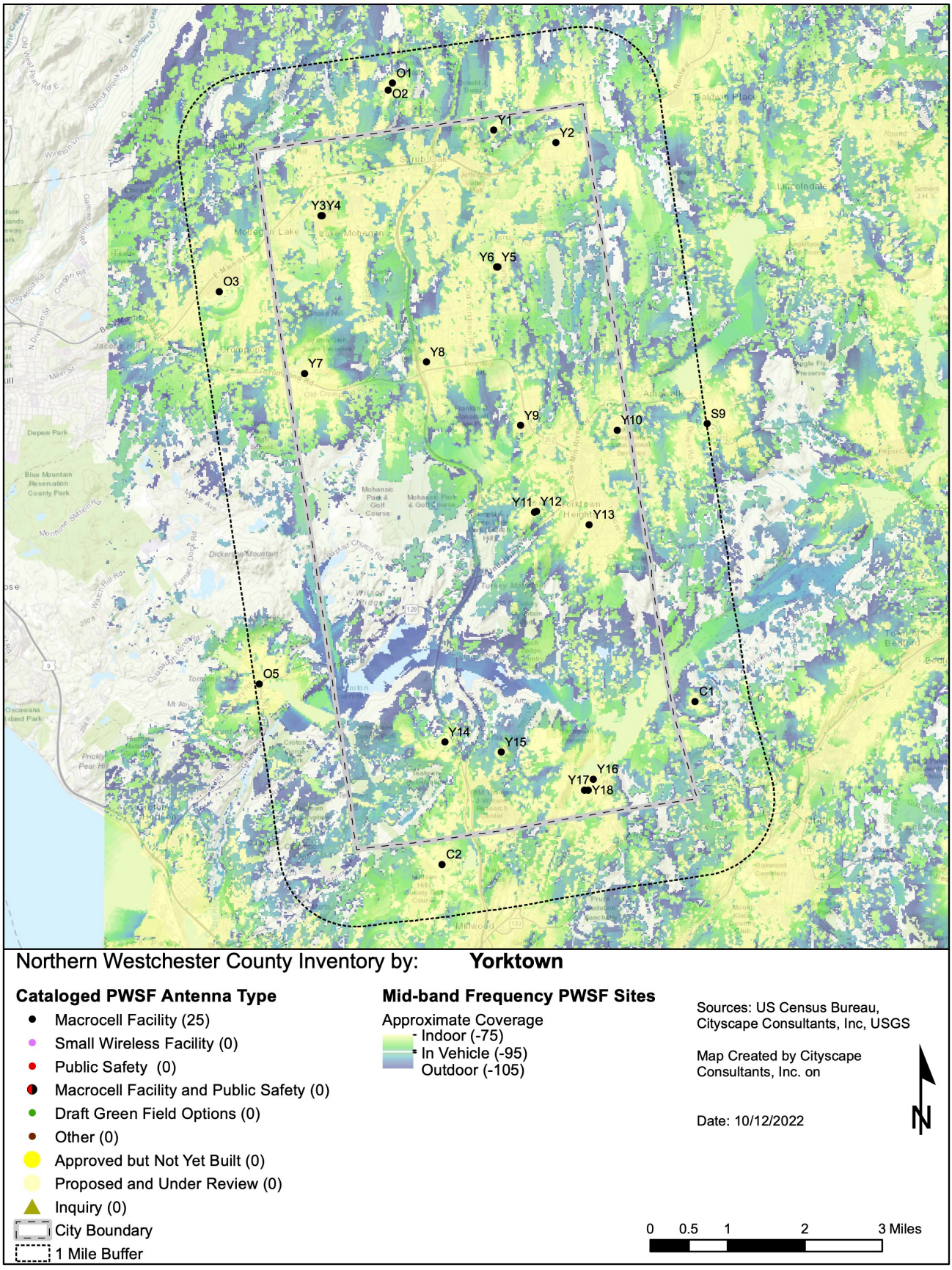


Figure Y6: Simulated Coverage Map from PWSF Sites

POPULATION DENSITY AND LAND CLASSIFICATION

Population density is a variable affecting wireless networks. Wireless service providers want to deploy as close to their subscriber base as possible which is why residential areas, employment centers, recreational facilities and along major highways/thoroughfares are ideal locations for infrastructure. Examining population density is a key component in determining where there is likely to be the greater demand of wireless networks.

Figure Y7 is a map of population density by US Census Block Group with an existing and approved but not built macro overlay. This visual representation clearly indicates the pattern and potential need throughout the Town. The darkest shades of brown represent US Census Block Groups with over 3,000 people per square mile and are the highest population densities in the Town. This indicates the areas with the most potential wireless network consumers.

Figure Y8 is the Town's Land Classification map also with the existing and approved but not built wireless facilities as an overlay.

When comparing *Figure Y6* (propagation map) to *Figure Y7* (population density map) and *Figure Y8* (land classification map) the notable wireless facility deployment pattern indicates the facilities parallel the major transportation corridors within the vacant land, commercial land and community services use designations. Sites Y7, Y8 and Y9 are located along Route 35, a major east/west roadway. Site Y8 provides coverage to the Taconic State Parkway the major north/south thoroughfare in the Town. However only two other macro cell facilities, Sites Y14 and Y15, are within the Taconic State Parkway corridor both of which are in south Yorktown. There are no existing wireless facilities along the corridor north of the Taconic State Parkway and Crompond Road intersection.


Site Y7


Site Y8


Site Y14


Site Y15

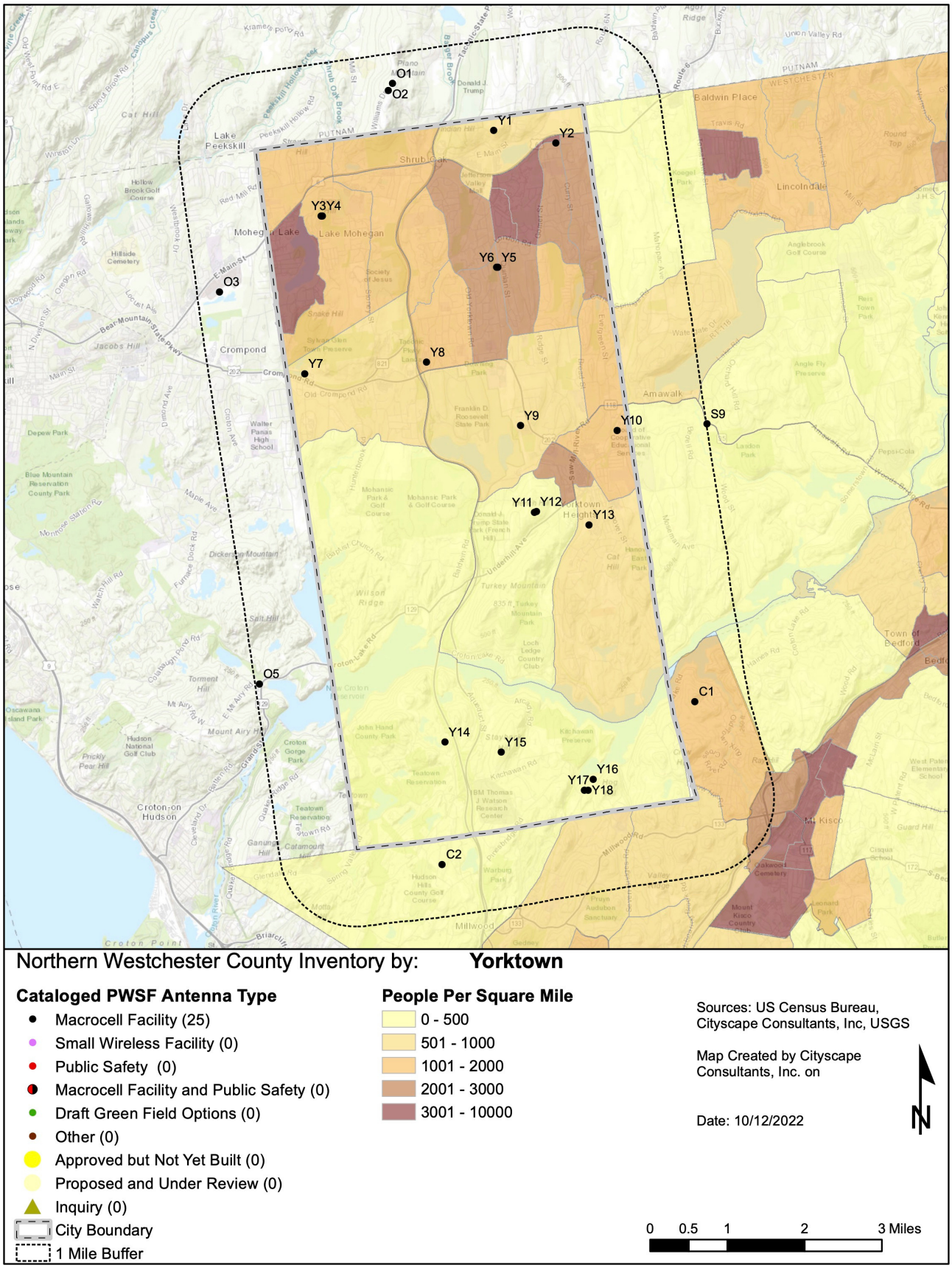


Figure Y7: Population Density with PWSF Overlay

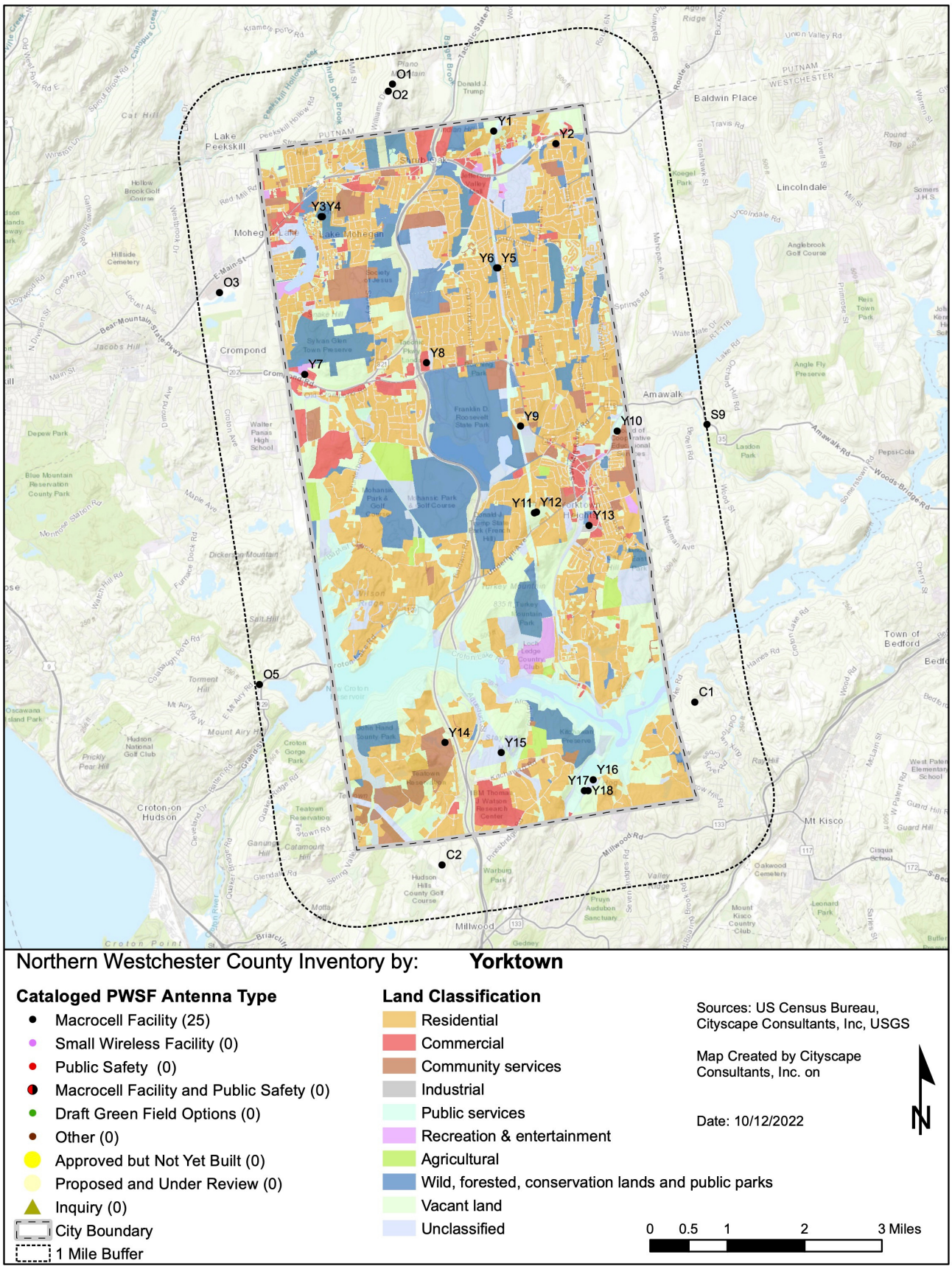


Figure Y8: Land Classification Map

WIRELESS NETWORK DENSIFICATION

Modern and advancing technologies continue to transform how the wireless industry builds out their networks. Each wireless service provider is in a different stage of fifth generation (5G) deployment and use different technologies and spectrum to compete in the 5G race. In the evolution of wireless communications, some smartphones still use 4G technologies but they are rapidly transitioning to 5G wireless networks. Both platforms incorporate broadband technology enabling all the Smartphone applications like global positioning services (i.e. Google Maps, Waze Navigation); public safety, medical and banking services; weather, educational, music, games, on-line reading and countless other on demand services. These applications require significant amounts of information to be sent and received within the same radio signal boundary. Network densification is often needed within the coverage area to improve network capacity.

Network capacity is the amount of wireless traffic that a service provider's network can handle at any given time within a specific location. Capacity takes into account the amount of bandwidth being used simultaneously by way of voice calls, and data usage. In order to estimate network capacity, consideration and analysis of the distinct characteristics of the community is studied and portrayed.

Network densification means wireless service providers need to add more capacity to their networks to handle all the usage and network speeds subscribers expect. There are several ways to add capacity to a network. One is providers buying more spectrum, two is making spectrum more efficient and third adding more wireless facilities to areas in need. Commercial wireless providers are pursuing all three methodologies to prepare for and meet network speeds and improvements.

The following *Figure Y9* theorizes geographic areas needing network coverage and capacity densification. Red and orange shaded areas are vicinities where the existing number of towers and base stations are proportionally insufficient to the number of existing households. Yellow and green shaded areas do not need immediate densification, provided existing PWSFs inside these colorings can accommodate collocations for other service providers. If collocation options are not available at the existing sites in the yellow and green shaded areas, then a new PWSF will be necessary to accommodate additional antennas. Any area void of yellow, green, orange or red colorings represents places in the Town with immediate need of personal wireless service facilities.

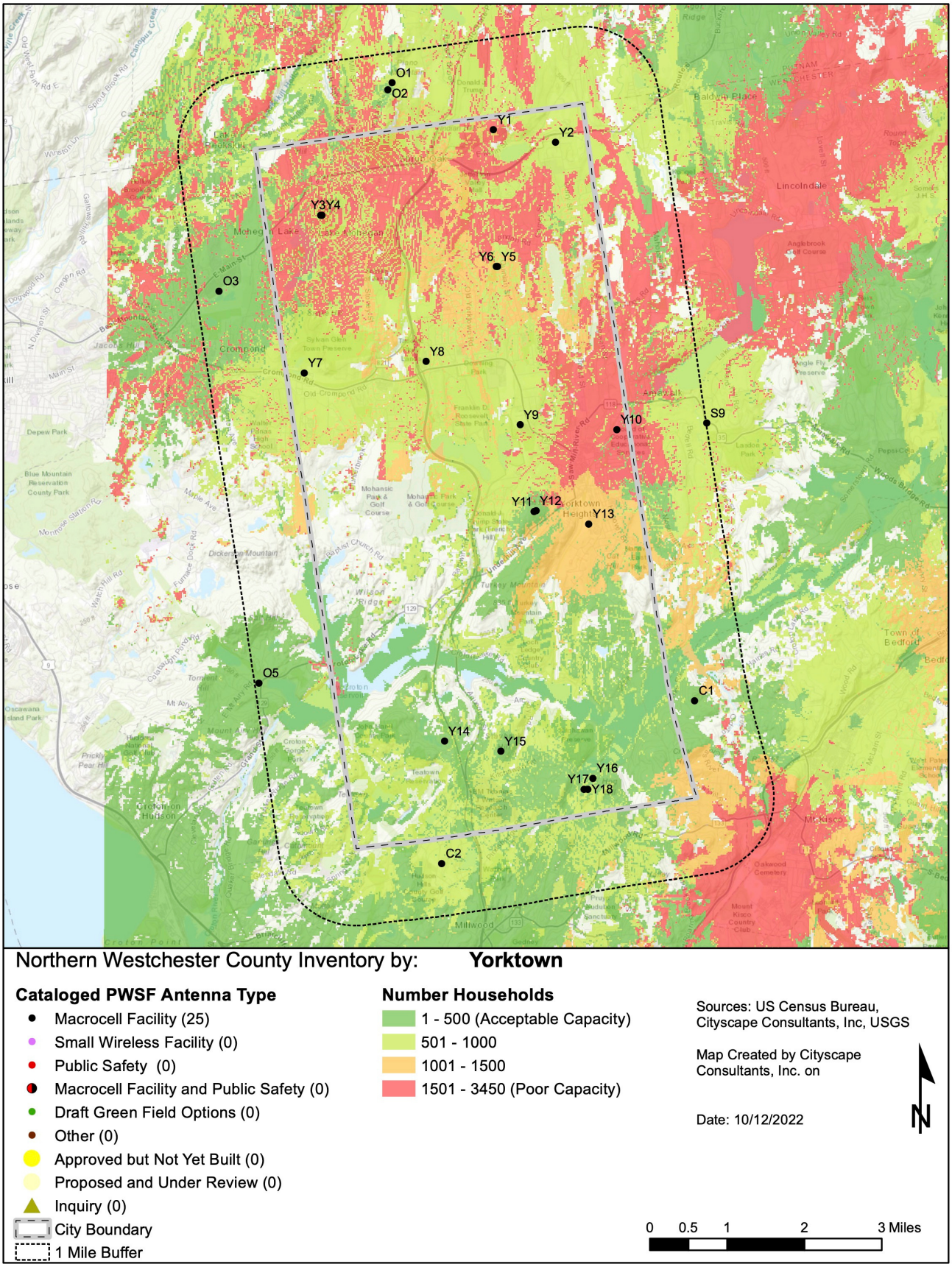


Figure Y9: Heat Map Approximating Network Capacity Areas of Concern

POTENTIAL SOLUTIONS

Long Term Evolution (LTE) is a 4G wireless communication standard used by commercial wireless service providers offering high-volume data and faster internet speeds with minimal delay or latency. Transitioning to LTE modeling requires a slight change in the propagation model. Residential indoor service tends to require a minimum of -95 dBm RSRP (LTE Reference Signal Received Power) which contains a 5 dB margin added to ensure reliable indoor services. The typical minimum service level for in vehicle is -90 to -105 dBm, which makes for reliable text, call and data sessions, and the minimum usable outdoor LTE coverage level is -115 dBm.

The following figures are representations of simulated LTE coverage assuming all service providers are on each facility since this is the best possible collocation scenario. Each of these figures uses the following RSRP signal level shown in *Table Y3.*

SIGNAL STRENGTH COLOR	dBm	SIGNAL STRENGTH DESCRIPTION
Yellow	> -90	In Building
Green	-90 to -105	In Vehicle
Blue	-105 to -115	Outdoor

Table Y3: LTE Signal Strength Description

YORKTOWN OVERVIEW

The following *Figure Y10* provides a closer look at the LTE coverage predictions from all the existing personal wireless facilities in the Yorktown Study Area. The areas outlined in blue illustrate very poor to non-existent wireless coverage and the areas in greatest need of wireless infrastructure.

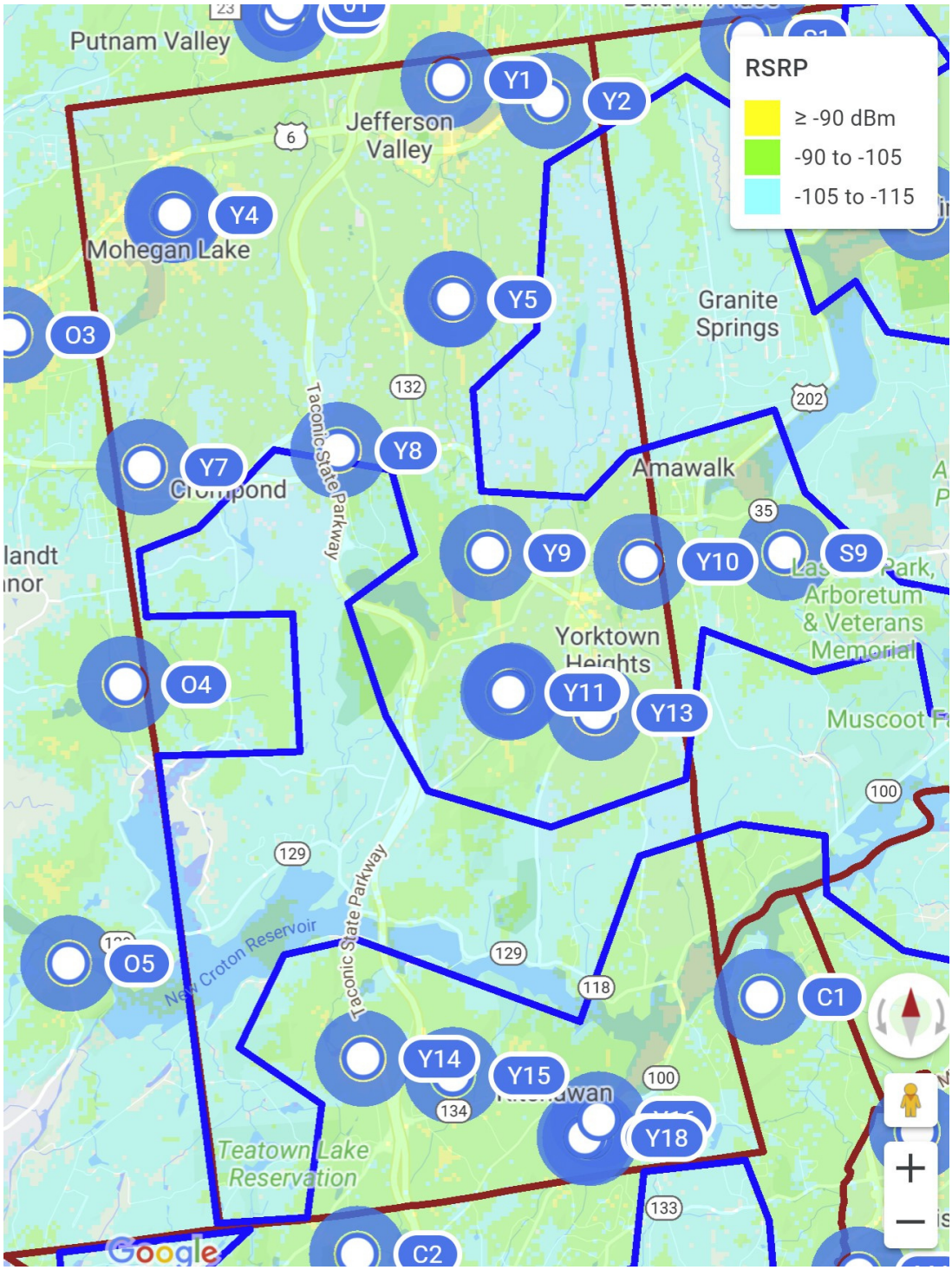


Figure Y10: LTE Coverage Predictions Existing or Approved PWSF Sites

The following maps provide an in depth look at specific underserved areas and offer potential solutions to fill-in these gaps. Suggested new macro cell towers or base stations are represented as new tower (NT) followed by a number. Small wireless facilities may provide a feasible solution closer to residential areas or those areas with viewshed concerns. Small wireless facilities on New York State Electric and Gas (NYSEG) poles or new poles in the ROW are identified as NP followed by a number.

In order to improve the poor or no wireless coverage areas in the many residential areas of Yorktown it is anticipated to take a minimum of five macro cell facilities, either towers or base stations at approximately 100' in height in the vicinities shown on the maps. Also suggested are approximately 23 small cell wireless facilities on 50' utility poles.

Some of the maps have overlapping sites; for example, potential site Y-NT1 appears on two of the following maps, in these instances, a proposed site will only be listed in the narrative for the first map and not in subsequent map description narratives.

NORTHERN YORKTOWN

The northern portion of the Town is represented in *Figure Y11* and shows predicted coverages utilizing existing macro cell facility Sites Y1, Y2, Y3, Y4, Y5, Y6, Y7 and Y8 as well as adding a potential 110' macro cell site in the vicinity of Y-NT5. Sites Y3 and Y4 along with Sites Y5 and Y6 are located on high tension electrical towers near one another and the site labels are hidden under other site labels.

Heavy vehicular traffic, commercial land uses and medium density residential properties necessitate another macro cell facility in the vicinity of the Taconic State Parkway and Crompond Road. The site is represented as potential Site Y-NT5.

Additionally, ten small wireless facilities are suggested on existing Cons Ed utility poles or new 50' utility poles in the same areas as Sites Y-NP9, Y-NP10, Y-NP11, Y-NP12, Y-NP13, Y-NP14, Y-NP15, Y-NP16, Y-NP17 and Y-NP21.

Suggested small wireless facility Y-NP21 would fill in a gap along the Taconic State Parkway north of existing Site Y8. Small wireless Sites Y-NP9, Y-NP10, Y-NP11, Y-NP12, Y-NP16 and Y-NP17 are needed to provide capacity densification east of Crompond Road because the significant number of people residing per square mile in those census blocks. Sites Y-NP13, Y-NP14 and Y-NP15 are suggested to fill in network coverage gaps east of existing macro cell Sites Y5 and Y6.

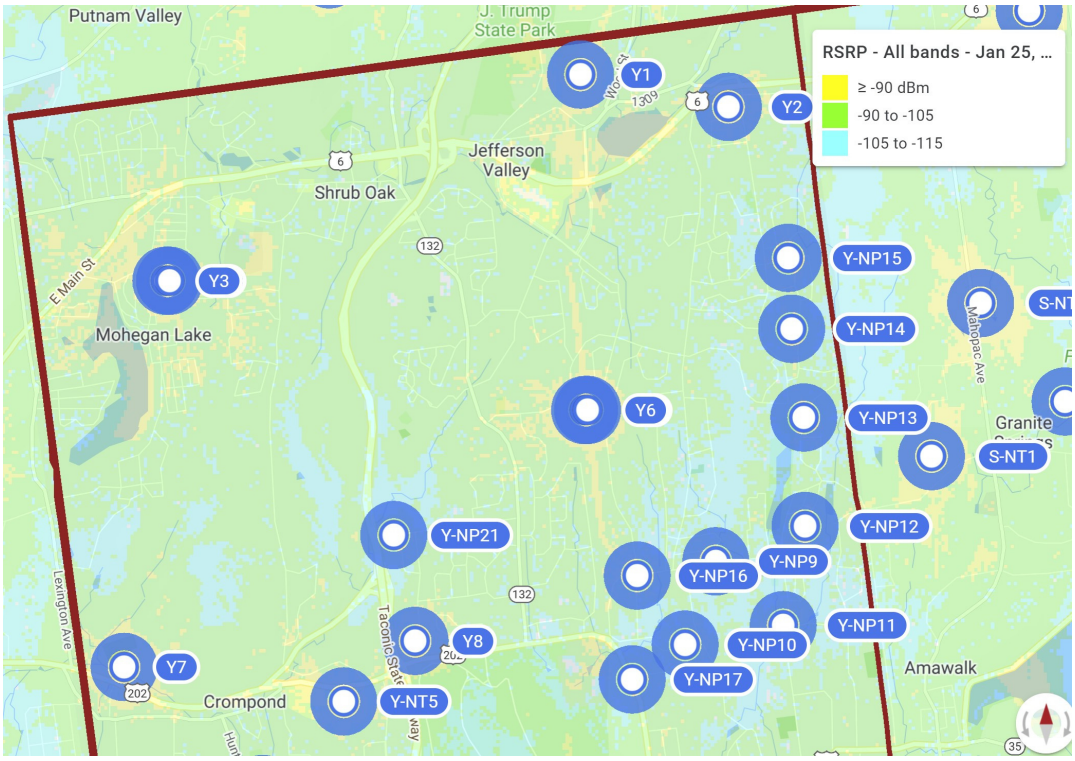


Figure Y11: Predicted LTE Coverage Northern Yorktown

CENTRAL YORKTOWN

The following *Figure Y12* shows simulated coverages from existing Sites Y9, Y10, Y11, Y12 (label under Y11) and Y13. In the central area of Yorktown three new 100' macro cells facilities are suggested as Sites Y-NT1, Y-NT2 and Y-NT4 as well as 11 small wireless facilities on existing NYSEG utility poles or new poles in the same vicinity as Y-NP2, Y-NP3, Y-NP4, Y-NP5, Y-NP7, Y-NP8, Y-NP18, Y-NP19, Y-NP20, Y-NP22 and Y-NP23.

Currently a large gap in network coverage is west of the Taconic State Parkway, south of Crompond Road and north of Underhill Avenue. Two new 100' macro cell facilities identified as Sites Y-NT2 and Y-NT4 are suggested in this geographic area along with ten small wireless facilities referenced as Y-NP2, Y-NP3, Y-NP4, Y-NP5, Y-NP7, Y-NP8, Y-NP18, Y-NP20 and Y-NP23. Collectively these sites will significantly improve the existing gap in coverage in this defined area.

Additionally, a new small wireless facility identified as Site Y-NP22 is suggested in the vicinity of the Taconic State Parkway and Croton Lake Road to fill in that existing coverage gap. Adding a new macro cell facility Site Y-NT1 and two small wireless facilities in the vicinities of Y-NP6 and Y-NP 19 would help close network gaps east of Aqueduct Street toward the eastern jurisdictional boundary of Yorktown.

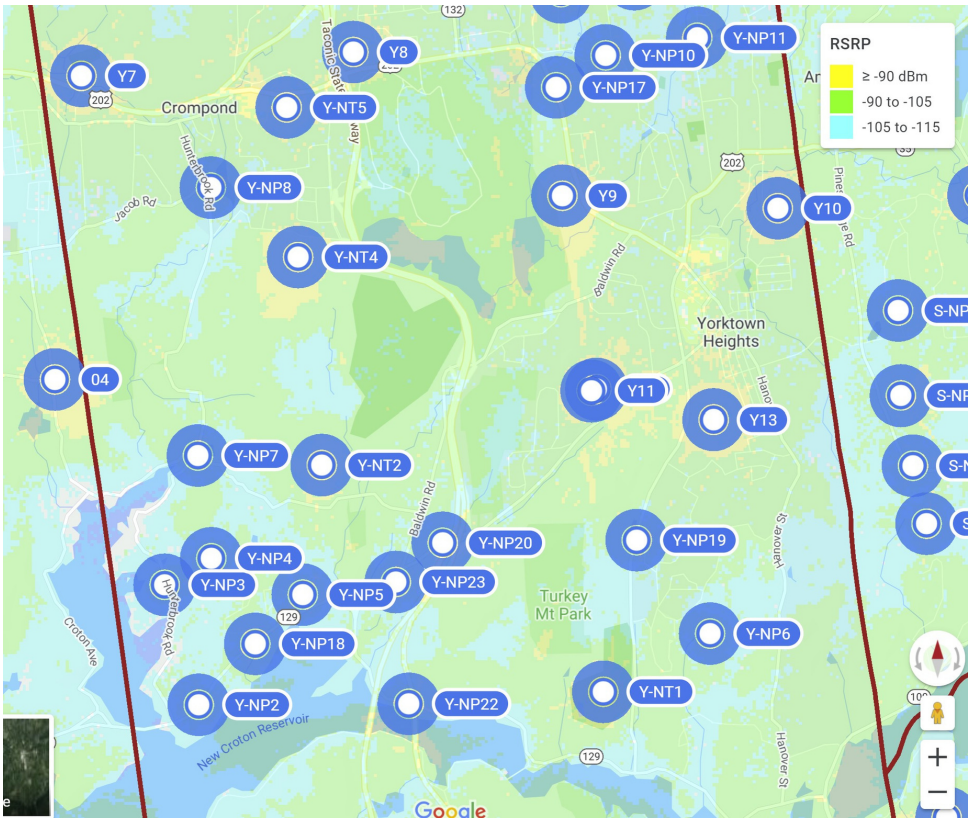


Figure Y12: Predicted LTE Coverage Central Yorktown

SOUTHERN YORKTOWN

Existing macro cell Sites Y14, Y15, Y16, Y17 and Y18 are shown on the map in *Figure Y13* providing coverage to Saw Mill River Road and westward to the Taconic State Parkway. The gaps in service in the southern corner of Yorktown could be addressed by adding one new 100' macro cell in the area of Site Y-NT3 north of Teatown Lake Reservation. Additionally, one small wireless facility at 50' on existing Con Ed pole or new pole at Site Y-NP1 would fill in identified wireless service gaps south of Treatown Lake Reservation.

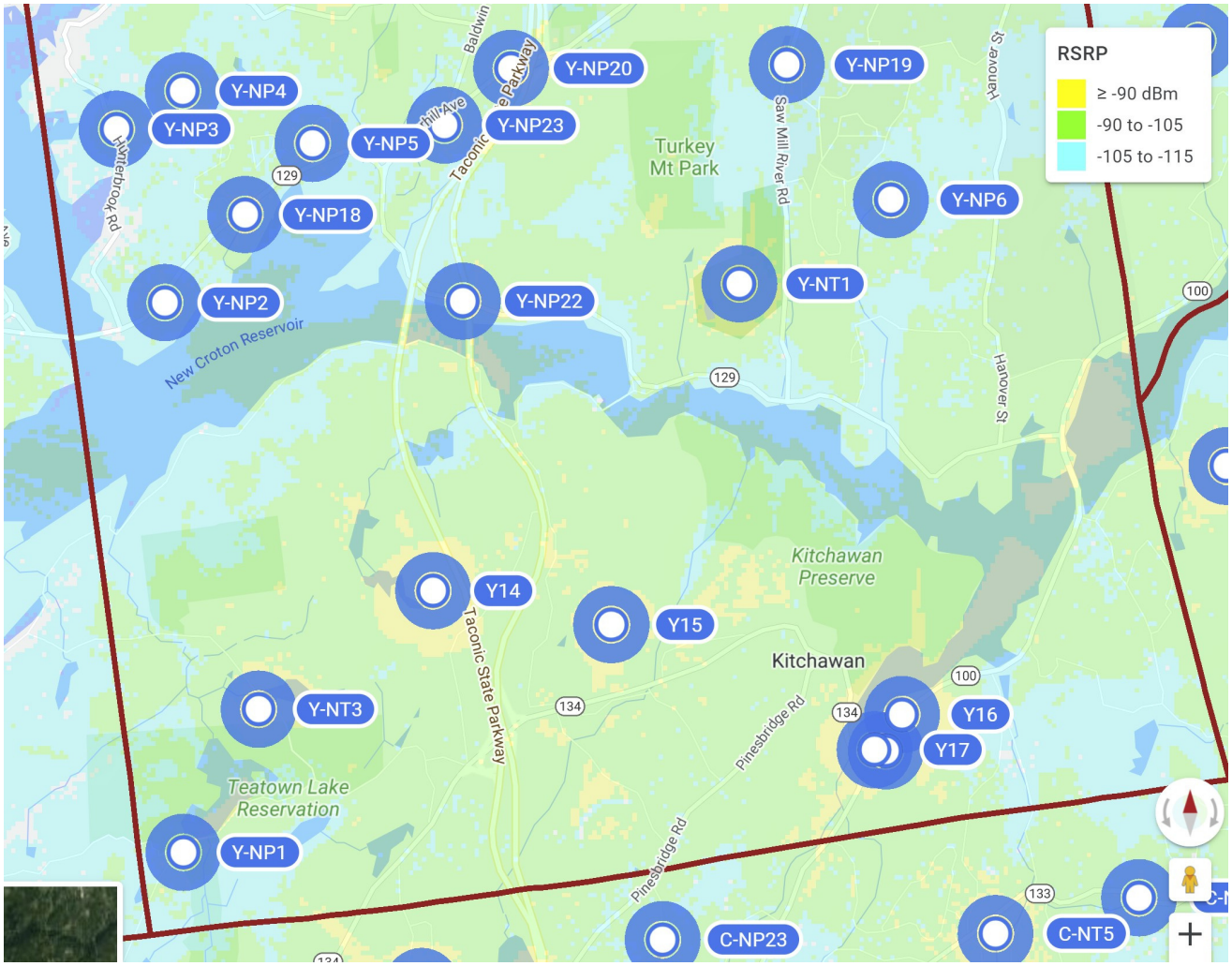


Figure Y13: Predicted LTE Coverage Southern Yorktown

The following *Table Y4* provides a summary of all the suggested macro cell fill in sites for the Town.

MACRO CELL SUGGESTED SITES	
SITE NAME	**FACILITY HEIGHT (FEET)**
Y-NT1	100'
Y-NT2	100'
Y-NT3	100'
Y-NT4	100'
Y-NT5	100'

Table Y4: Suggested Macro Fill-In Sites

The following *Table Y5* provides a summary of all the suggested small wireless mounted on existing Con Ed utility pole sites or on new poles in the same vicinity.

SMALL CELL SUGGESTED SITES			
SITE NAME	**LATITUDE**	**LONGITUDE**	**HEIGHT**
Y-NP1	41.20787	-73.5580	50'
Y-NP2	41.23974	-73.5669	50'
Y-NP3	41.24981	-73.6164	50'
Y-NP4	41.25203	-73.6323	50'
Y-NP5	41.24898	-73.6416	50'
Y-NP6	41.24571	-73.6323	50'
Y-NP7	41.26065	-73.6711	50'
Y-NP8	41.28307	-73.5580	50'
Y-NP9	41.30053	-73.5669	50'
Y-NP10	41.29415	-73.6164	50'
Y-NP11	41.29563	-73.6323	50'
Y-NP12	41.30323	-73.6416	50'
Y-NP13	41.31156	-73.6323	50'
Y-NP14	41.31835	-73.6711	50'
Y-NP15	41.32379	-73.5580	50'
Y-NP16	41.29944	-73.5669	50'
Y-NP17	41.29147	-73.6164	50'
Y-NP18	41.24485	-73.6323	50'
Y-NP19	41.25355	-73.6416	50'
Y-NP20	41.25333	-73.6323	50'
Y-NP21	41.30254	-73.6711	50'
Y-NP22	41.23983	-73.6323	50'
Y-NP23	41.25004	-73.6711	50'

Table Y5: Suggested Small Wireless Fill-In Sites

COMMUNITY SURVEY AND ZONING

In order to facilitate effective regulations that takes community input into consideration, the Town promoted a Wireless Telecommunications Infrastructure Survey (Survey) to engage the townspeople. The main objective was to solicit information regarding thoughts, concerns and preferences as it relates to wireless infrastructure facilities.

The Survey solicited opinions and experiences regarding the importance of the current state of wireless connectivity and aesthetics of the infrastructure in the Town. The Yorktown survey opened on July 29, 2021 and closed on September 8, 2021 and during that time 933 people participated in the poll. The responses are very similar to those collected for the larger study area.

Those who participated in poll indicate that wireless connectively and quality of service is very important but unlike most of the other communities in the study area, respondents in Yorktown, Somers and Mount Kisco indicate coverage at home, work and while travelling around the Town is generally excellent or acceptable. They support the use of public property for future sites and prefer concealed base stations, towers, and small wireless facilities over non-concealed and simi-concealed infrastructure.

The most notable observations from the survey and compared to the entire NWC study area are shown in *Table Y5* with the entire collection of responses and comments provided in *Appendix I2*.

Overall, additional macro and small wireless facilities are needed throughout the Town to provide initial coverages in areas where no service is currently available and in other areas where the ratio of subscribers exceeds the number of wireless facilities. Based on survey responses, the community supports and desires additional wireless infrastructure to improve the wireless network.

RESPONSES	Yorktown	NWC
PARTICIPANTS	933	4002
Average Number of Devices	6	6
Use of Devices ○ Personal Recreation/Leisure ○ Employment Related	 93.80% 66.60%	 85.84% 63.33%
Wireless Coverage at Residence ○ Excellent or Acceptable ○ Poor or Inconsistent	 32.20% 67.50%	 43.03% 55.91%
Wireless Coverage at Work ○ Excellent or Acceptable ○ Poor or Inconsistent	 33.50% 33.30%	 35.37% 32.60%
Wireless Coverage Traveling Around Town ○ Excellent or Acceptable ○ Poor or Inconsistent	 44.20% 55.00%	 37.18% 61.88%
Would Rely More on Device if Network was Better ○ Entirely Agree	 67.00%	 61.90%
Quality of Wireless Service Is Important to Me ○ Entirely Agree	 92.60%	 87.64%
What is Most Important to You ○ Excellent Connectivity ○ Good Connectivity and Minimal Visual Impact	 69.70% 28.20%	 56.24% 38.71%
Prefer Taller Tower Supporting Multiple Collocations	47.10%	44.64%
Non-Concealed Tower Preference - Monopole	68.80%	62.09%
Concealed Tower Preference - Flag Pole	75.00%	70.11%
Rooftop Preference - Concealed	76.10%	78.65%
Small Wireless Facility Preference - Concealed	90.70%	89.99%
Locational Preference in Town - Anywhere	67.10%	60.88%
Support Use of Public Property for Revenue and Aesthetics - Yes	56.70%	52.18%

Table Y5: Summary of Notable Survey Responses

The Town's Code § 300-59. Wireless telecommunication facilities promotes collocation as a first priority for new infrastructure, use of public property and designs that have the least adverse visual effect on the environment and the character of the Town.

The Definitions section should be revised to add standards for small and macro wireless facilities that align with the Code of Federal Regulation. Attention should be given to existing setback and separation requirements to avoid the appearance of potential barriers to entry.

APPENDIX I1

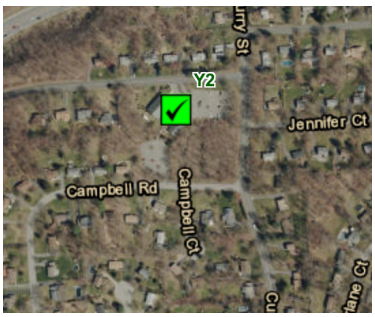
WIRELESS INFRASTRUCTURE INVENTORY

Site Y1 — Yorktown

STRUCTURE TYPE:	Base Station
FACILITY TYPE:	High Tension Tower
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	
FACILITY SITE NAME:	
SERVICE PROVIDERS:	T-Mobile
FCC ASR:	
HEIGHT:	130’
LOCATION:	Utility Easement
LATITUDE/LONGITUDE:	41.337842 N, -73.802533 W
PARCEL ID:	5.20-1-28
ZONING:	R1-20 Single-Family Residential
NOTES:	

Site Y2 — 3830 Gomer Street — Yorktown

STRUCTURE TYPE:	Base Station
FACILITY TYPE:	Steeple
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Concealed
FACILITY OWNER/ID:	Verizon
FACILITY SITE NAME:	
SERVICE PROVIDERS:	Verizon
FCC ASR:	
HEIGHT:	45’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.335366 N, -73.787133 W
PARCEL ID:	6.18-1-1
ZONING:	R1-20 Single Family Residential
NOTES:	Estimated height.



Site Y3	3491 Heyward Street	Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Crown Castle International - 843208
FACILITY SITE NAME:	Mohegen Lake
SERVICE PROVIDERS:	AT&T, T-Mobile
FCC ASR:	1214610
HEIGHT:	126’
LOCATION:	Public Property
LATITUDE/LONGITUDE:	41.322043 N, -73.845640 W
PARCEL ID:	15.16-3-32
ZONING:	R1-20 Single-Family Residential
NOTES:	

Site Y4	Woodland Avenue	Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Crown Castle International - 878864
FACILITY SITE NAME:	Scofield Road/Jone Hill (SSUS)
SERVICE PROVIDERS:	Sprint, T-Mobile
FCC ASR:	
HEIGHT:	135’
LOCATION:	Public Property
LATITUDE/LONGITUDE:	41.322041 N, -73.845344 W
PARCEL ID:	15.16-3-32
ZONING:	R1-20 Single-Family Residential
NOTES:	

Site Y5 — Yorktown

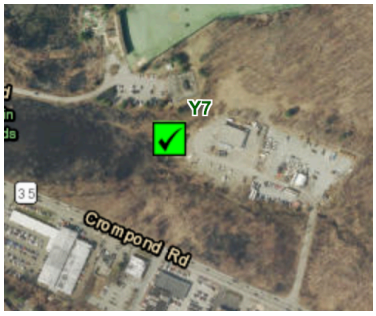
STRUCTURE TYPE:	Base Station
FACILITY TYPE:	High Tension Tower
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	
FACILITY SITE NAME:	
SERVICE PROVIDERS:	Sprint
FCC ASR:	
HEIGHT:	140’
LOCATION:	Utility Easement
LATITUDE/LONGITUDE:	41.3121366 N, -73.801801 W
PARCEL ID:	27.05-1-16
ZONING:	R1-20 Single-Family Residential
NOTES:	

Site Y6 — 3101 Quinlan St — Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	American Tower Corporation - 208265
FACILITY SITE NAME:	Mohansic 2
SERVICE PROVIDERS:	Verizon
FCC ASR:	
HEIGHT:	136’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.312223 N, -73.801389 W
PARCEL ID:	27.05-1-16
ZONING:	R1-20 Single-Family Residential
NOTES:	

Site Y7 | Crompond Road | Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	45552
FACILITY SITE NAME:	
SERVICE PROVIDERS:	AT&T, T-Mobile
FCC ASR:	
HEIGHT:	100’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.292429 N, -73.850075 W
PARCEL ID:	25.20-1-11
ZONING:	I-1 Light Industrial Park
NOTES:	



Site Y8 | Strang Blvd | Yorktown

STRUCTURE TYPE:	Base Station
FACILITY TYPE:	Roof
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Concealed
FACILITY OWNER/ID:	T-Mobile
FACILITY SITE NAME:	
SERVICE PROVIDERS:	T-Mobile
FCC ASR:	
HEIGHT:	60’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.294426 N, -73.819766 W
PARCEL ID:	26.19-1-2
ZONING:	OB - Office Business Campus
NOTES:	

Site Y9	Crompond Road	Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	
FACILITY SITE NAME:	
SERVICE PROVIDERS:	Verizon
FCC ASR:	
HEIGHT:	130’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.282379 N, -73.796460 W
PARCEL ID:	37.09-1-3
ZONING:	R1-80 Single-Family Residential
NOTES:	Estimated height

Site Y10	Greenwood Street	Yorktown

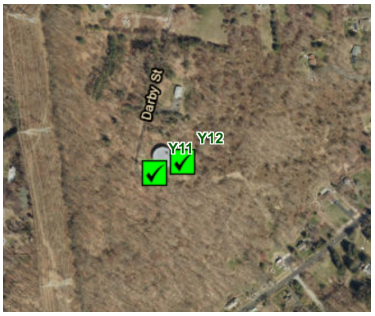
STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopine
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Concealed
FACILITY OWNER/ID:	SBA - NY41502
FACILITY SITE NAME:	Yorktown Waste Facility
SERVICE PROVIDERS:	Sprint, T-Mobile
FCC ASR:	1265831
HEIGHT:	150’
LOCATION:	Public Property
LATITUDE/LONGITUDE:	41.281337 N, -73.772449 W
PARCEL ID:	37.11-1-52
ZONING:	R1-80 Single Family Residential
NOTES:	

Site Y11	Darby Street	Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Crown Castle International - 878855
FACILITY SITE NAME:	Yorktown
SERVICE PROVIDERS:	T-Mobile, Verizon
FCC ASR:	
HEIGHT:	155’
LOCATION:	Public Property
LATITUDE/LONGITUDE:	41.266033 N, -73.793301 W
PARCEL ID:	48.05-1-36
ZONING:	R1-40 Single-Family Residential
NOTES:	

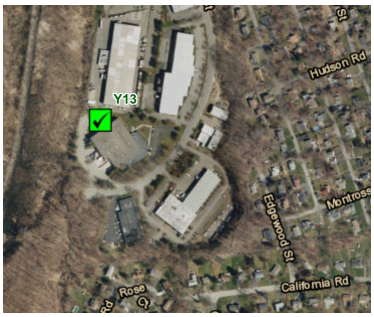
Site Y12	Darby Street	Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Crown Castle International - 843234
FACILITY SITE NAME:	Yorktown
SERVICE PROVIDERS:	AT&T
FCC ASR:	
HEIGHT:	164’
LOCATION:	Utility Easement
LATITUDE/LONGITUDE:	41.266187 N, -73.792673 W
PARCEL ID:	48.05-1-36
ZONING:	R1-40 Single-Family Residential
NOTES:	



Site Y13	1401 Front Street	Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	American Tower Corporation - 209296
FACILITY SITE NAME:	Yorktown
SERVICE PROVIDERS:	Verizon
FCC ASR:	
HEIGHT:	131’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.263633 N, -73.779609 W
PARCEL ID:	48.11-1-52
ZONING:	I-2 Planned Light Industrial
NOTES:	



Site Y14	Illington Road	Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Lattice
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Crown Castle International - 843213
FACILITY SITE NAME:	Lower Yorktown
SERVICE PROVIDERS:	AT&T, T-Mobile, Sprint, Verizon
FCC ASR:	
HEIGHT:	188’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.223053 N, -73.815927 W
PARCEL ID:	69.07-1-8
ZONING:	R1-200 Single-Family Residential
NOTES:	

Site Y15 | Route 134 | Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Crown Castle International - 806594
FACILITY SITE NAME:	NY Yorktown Heights Route 134
SERVICE PROVIDERS:	AT&T, Sprint, Verizon,
FCC ASR:	
HEIGHT:	125’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.221085 N, -73.801936 W
PARCEL ID:	69.08-1-25
ZONING:	R1-200 Single-Family Residential
NOTES:	

Site Y16 | Yorktown

STRUCTURE TYPE:	Base Station
FACILITY TYPE:	High Tension Tower
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Sprint - NY33XC399
FACILITY SITE NAME:	
SERVICE PROVIDERS:	Sprint
FCC ASR:	
HEIGHT:	110’
LOCATION:	Utility Easement
LATITUDE/LONGITUDE:	41.215865 N, -73.778958 W
PARCEL ID:	70.11-1-17
ZONING:	R1-200 Single-Family Residential
NOTES:	Estimated height

Site Y17 — Yorktown

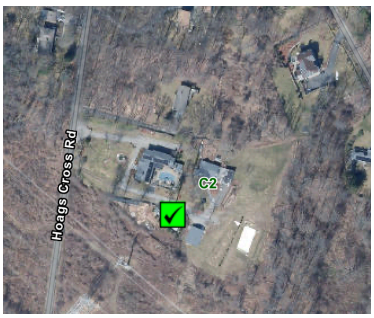
STRUCTURE TYPE:	Base Station
FACILITY TYPE:	High Tension Tower
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	
FACILITY SITE NAME:	
SERVICE PROVIDERS:	T-Mobile
FCC ASR:	
HEIGHT:	110’
LOCATION:	Utility Easement
LATITUDE/LONGITUDE:	41.213825 N, -73.781286 W
PARCEL ID:	70.11-1-17
ZONING:	R1-200 Single-Family Residential
NOTES:	

Site Y18 — Yorktown

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	American Tower Corporation - 207934
FACILITY SITE NAME:	Crompound II
SERVICE PROVIDERS:	AT&T, T-Mobile, Verizon
FCC ASR:	
HEIGHT:	146’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.213758 N, -73.780396 W
PARCEL ID:	70.15-1-1
ZONING:	RSP-1 Senior Residential
NOTES:	T-Mobile meter not in but labeled for it

Site C1	Croton Lake Road	New Castle
STRUCTURE TYPE:	Tower	
FACILITY TYPE:	Monopole	
ANTENNA TYPE:	Macro Cell	
DESIGN TYPE:	Non-Concealed	
FACILITY OWNER/ID:	SBA	
FACILITY SITE NAME:	Somers 2	
SERVICE PROVIDERS:	AT&T, Sprint, T-Mobile, Verizon	
FCC ASR:	1271315	
HEIGHT:	154’	
LOCATION:	Private Property	
LATITUDE/LONGITUDE:	41.230258 N, -73.753698 W	
PARCEL ID:	07100500010010000000	
ZONING:		
NOTES:	A monopole tower painted brown and green located outside the Town's jurisdictional boundary.	

Site C2	50 Hoags Cross Road	New Castle
STRUCTURE TYPE:	Tower	
FACILITY TYPE:	Monopole	
ANTENNA TYPE:	Macro Cell	
DESIGN TYPE:	Non-Concealed	
FACILITY OWNER/ID:	Homeland Towers - NY531	
FACILITY SITE NAME:	Millwood II	
SERVICE PROVIDERS:	AT&T, T-Mobile, Verizon	
FCC ASR:		
HEIGHT:	120’	
LOCATION:	Private Property	
LATITUDE/LONGITUDE:	41.200067 N, -73.816798 W	
PARCEL ID:		
ZONING:		
NOTES:		

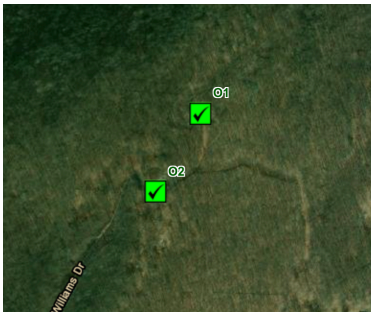


Site S9	2580 Route 35	Somers

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopine
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Concealed
FACILITY OWNER/ID:	Homeland Towers LLC InSite Towers - NY575
FACILITY SITE NAME:	Amawalk - Santaroni
SERVICE PROVIDERS:	AT&T, T-Mobile, Verizon
FCC ASR:	
HEIGHT:	130’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.282420 N, -73.750081 W
PARCEL ID:	37.13-2-3
ZONING:	R120
NOTES:	

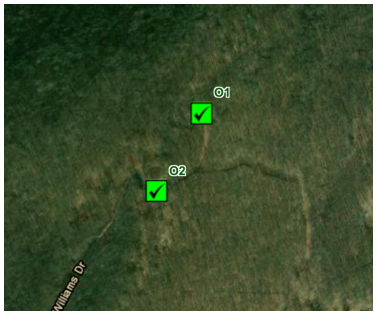
Site O1	900 Williams Drive	Other

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Guyed
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	American Tower Corporation - 282504
FACILITY SITE NAME:	Piano Mountain
SERVICE PROVIDERS:	T-Mobile, Verizon
FCC ASR:	
HEIGHT:	105’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.346835 N, -73.827710 W
PARCEL ID:	
ZONING:	
NOTES:	



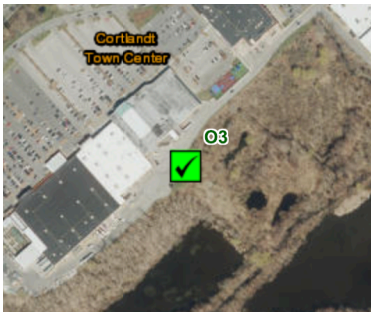
Site O2	1135 Williams Drive	Other

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Insite Towers - NY598
FACILITY SITE NAME:	Piano Mountain
SERVICE PROVIDERS:	AT&T
FCC ASR:	
HEIGHT:	150’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.345518 N, -73.828708 W
PARCEL ID:	
ZONING:	
NOTES:	



Site O3	3100 East Main Street Rte 6	Other

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Crown Castle International - 822188
FACILITY SITE NAME:	31 East Main Strret
SERVICE PROVIDERS:	AT&T, T-Mobile, Verizon
FCC ASR:	
HEIGHT:	140’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.307936 N, -73.871100 W
PARCEL ID:	
ZONING:	
NOTES:	



Site O4	500 Croton Avenue	Other

STRUCTURE TYPE:	Tower
FACILITY TYPE:	
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	Homeland Towers - NY139
FACILITY SITE NAME:	Hemlock Hill
SERVICE PROVIDERS:	
FCC ASR:	
HEIGHT:	100’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.266980 N, -73.853030 W
PARCEL ID:	
ZONING:	
NOTES:	

Site O5	451 Yorktown Road	Other

STRUCTURE TYPE:	Tower
FACILITY TYPE:	Monopole
ANTENNA TYPE:	Macro Cell
DESIGN TYPE:	Non-Concealed
FACILITY OWNER/ID:	AT&T - 48897
FACILITY SITE NAME:	
SERVICE PROVIDERS:	AT&T
FCC ASR:	
HEIGHT:	75’
LOCATION:	Private Property
LATITUDE/LONGITUDE:	41.234224 N, -73.861932 W
PARCEL ID:	
ZONING:	
NOTES:	

APPENDIX I2

WIRELESS INFRASTRUCTURE SURVEY RESULTS

Wireless Infrastructure Poll

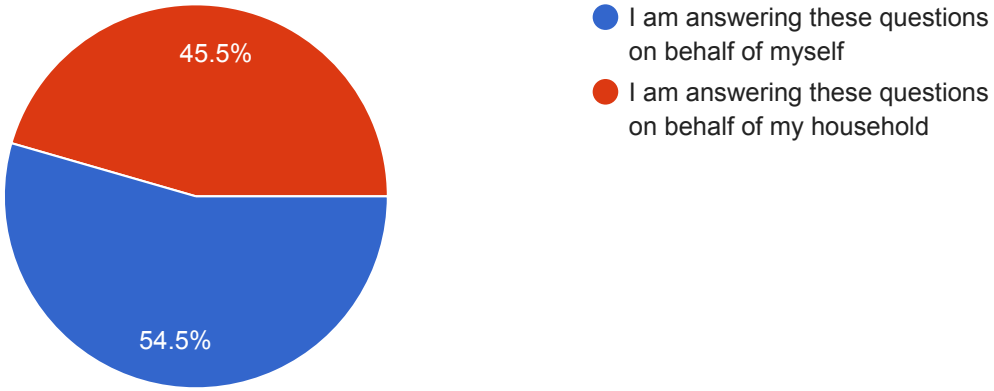
933 responses

Publish analytics

Thank you for taking the time to complete this poll. Please tell us a little about yourself.

Copy

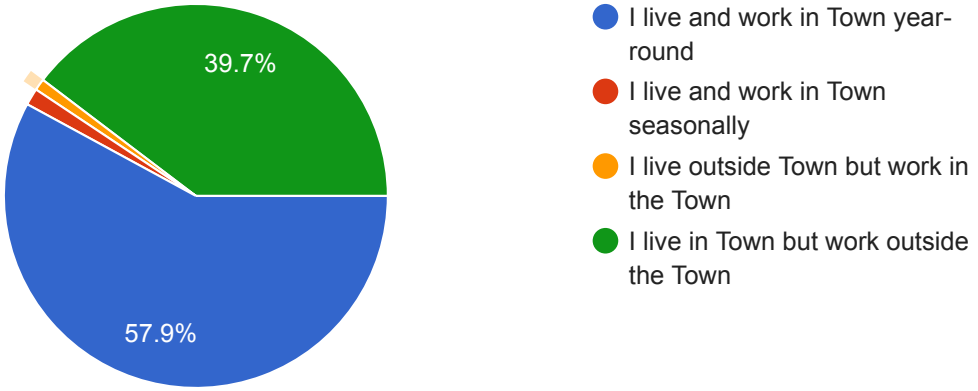
929 responses



Choose which best describes you:

Copy

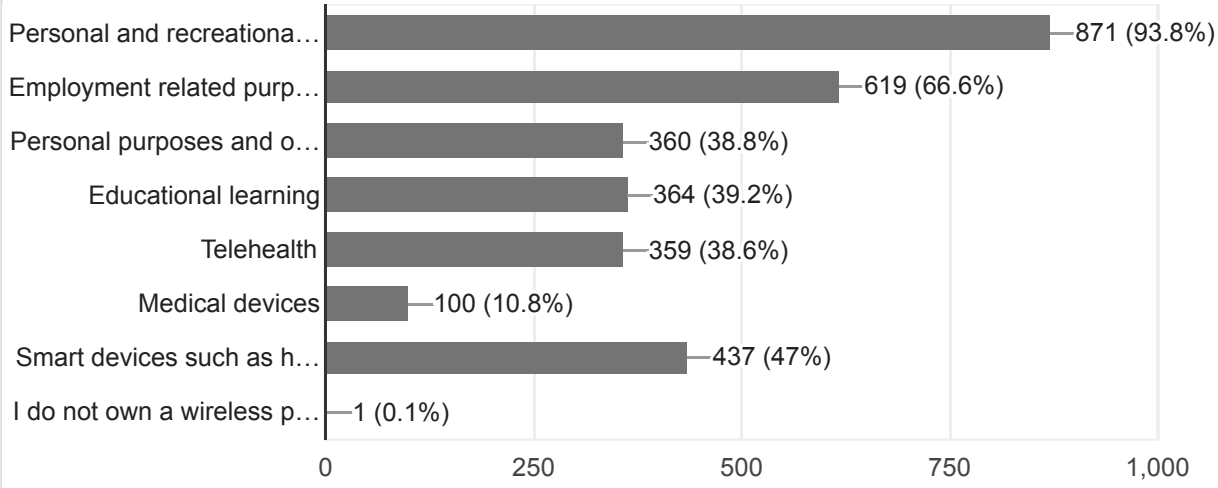
915 responses



I use personal wireless services for (check all that apply):

Copy

929 responses



Please identify the area where you live by one of the following: Address, Zip Code, Hamlet, Use Area, Lake District, General Area

920 responses

10598

10547

10588

Yorktown Heights

Mohegan Lake

Shrub Oak

Huntersville

10567

Prince ct Yorktown heights 10598

[redacted]Baldwin Road

Somerston Road

Gomer Street

Sparkle Lake

Jefferson Village

10598

Walden Woods

[redacted] Mead St

[redacted] Brookfield Drive

Jefferson Valley

Off of Mohansic

10508

Yorktown Heights 10598

[redacted]Locke lane

Chelsea

10562

Weatherby Street

Meadowcrest Drive

Beech rd Yorktown heights

10501

Granite Springs Road

Huntersville

Amawalk

10541

[redacted] granite springs and gomer

[redacted]carol court Yorktown heights 10598

Mountain Road Jefferson Valley

Sultana drive

Bridle Ridge

[redacted] Farm Walk Road

Hanover East (Wellington Court)

[redacted] heights area

By mall

[redacted] Friends Road, Yorktown Heights 10598

10598-2407

Mohegan Lake off Strawberry

Beechwood Ln, Yorktown Heights, NY 10598

[redacted] Flanders Drive Yorktown Heights 10598

[redacted] Lexington Ave Mohegan Lake NY 10547.

Yorktown heights sparkle lake

Breen lane, 10598

Town Center

Holmes Ct Yorktown Heights

Junior Lake 10598

Croton Lake Rd Yorktown Heights Ny 10598

Wren Place, Yorktown Heights

Evergreen St, Yorktown Heights, NY

Rt 132 near Copper Beech

Lester Road

Mohegan Lake, 10547

[redacted] old Yorktown rd, Yorktown heights

Central Street

[redacted] crompond rd 10598

[redacted] Curry/Rt 6

Farsund drive, Yorktown

High meadow lane , 10598

[redacted]Sheila Court, 10598

Dogwood drive Yorktown heights

Poplar Street

[redacted]Bridal Ridge

Somerston Road/Poplar Street

Smith Road 10598

[redacted] Ridgeview lane Yorktown heights ny 10598

[redacted]Old Yorktown Road

Hitching Post Lane, Yorktown Heights 10598

[redacted] fountain ct, 10598

granite springs/walden woods

Hitching Post Lane Yorktown Heights NY 10598

Farm Walk Road, Yorktown Heights

10598, Granite Springs Road

lakeland, poplar st

Wilson road 10598

[redacted] Sandpiper Ct Yorktown Hgts NY 10598

Cordial Road

Court Street Yorktown Heights NY

Cortlandt manor

[redacted] LaVoie Court Yorktown Heights 10598

[redacted] Evan Drive, Ossining, NY 10562

South Yorktown off of Underhill Ave

[redacted] Loring Place, Yorktown Heights

Bridle Ridge off London

Sparkle lake area

Jefferson Valley Area

Mead Street

Yortown Heights by Sparkle Lake

[redacted] Hemlock Street , 10598

Birdsall Dr., 10598

[redacted] bridle ridge

[redacted] Loder Road Yorktown Heights 10598

Junior Lake

19598

350 more responses are hidden

If you work in Town at a fixed location other than your place of residence then please identify where you work by one of the following: Address, Zip Code, Hamlet, Use Area, Lake District, General Area

249 responses

10598

N/A

10535

10547

n/a

Same

Shrub Oak

Home

NA

10595

10577

10701

No

Yorktown Heights

General Area

Maple Hill Street

Retired

NYC

10566

Retired

None

Route 134

Volunteer Senior Center 1974 Commerce st

Ardsley, NY

Center of Yorktown

Other side of town center

Moseman Avenue

[redacted]Lee Blvd Yorktown Heights NY 10598

White plains road Tarrytown Ny

Crompound rd 10589

Valhalla

Sparkle lake

yorktown PD

Somerston Road

10523

Same - work from home

Jr. Lake

[redacted] E Main Street, Jefferson Village

BOCES 10598

10598

105’98

10591

[redacted] Allan Ave, 10598

Na

Yorktown CSD, Yorktown Heights

Triangle shopping center/ Yorktown

I work from home and in town

N:A

[redacted] Kitchawan Road, Route 134, Yorktown Heights

none

[redacted]Crompond Rd.

10567

Work from home blue to the COVID-19

Montrose 10548

[redacted] BOCES Dr. 10598

Home office

Sparkle Lake

I work in property management I am driving around all day

Underhill Ave.

10025

Front Street

Town Hall - Heights Hamlet

Yorktown High School

[redacted]medical building

10504

Northern 10598

Broad Street

home

10549

HOME OFFICE 10598

10598 Yorktown Heights

crompond road 10598

Moseman Rd

10598 near the police station

Sparkel Lake

Mohegan Lake

Underhill Avenue

crompond road

[redacted] broad street yorktown ny 10598

YSCD

[redacted] smith rd yorktown my 10598

Crompond Rd, Yorktown Hts

na

Baldwin rd

[redacted] Denby Dr Yorktown Heights NY 10598

Place of residence

Northern Westchester Hospital /Phelps Hospital

Yorktown heights

[redacted] commerce street

10035

Flanders Dr, YH

[redacted] Quaker Church Rd, Yorktown Heights, NY 10598

Baldwin Rd.

07920

Sparkle lake in the summer

Center of town

Edgemont

[redacted] Crompond Road

[redacted] E Main Street, Jefferson Valley

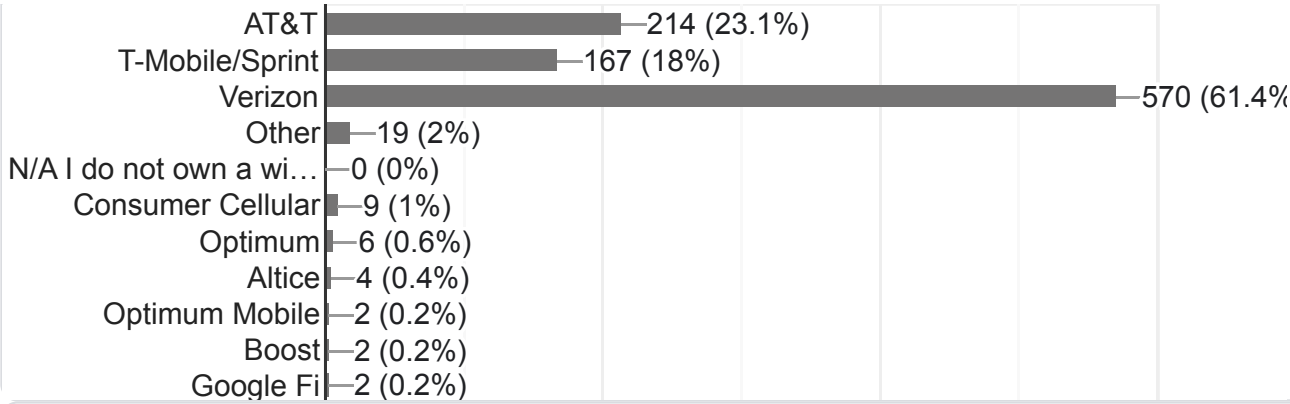
10589

33 more responses are hidden

My Wireless Service Provider is (if you have multiple wireless providers then please mark all that apply):

Copy

928 responses



How many wireless devices are used in your household? (Devices would include but not be limited to; wireless phones, laptops, tablets, watches, computers NOT using your home internet provider. Do not include items like garage door openers or smart home items.)

925 responses

4

5

6

3

2

8

10

7

12

9

15

1

11

13

20

14

Four

16

Two

Three

18

7-10

10+

Five

two

Over 10

30

3 phones

12-15

6

three

7

4 Cell phones, 1 computer w/modem/router, watch, Ipad, laptop

6 phones, 3 laptops, 4ipads

Six

2 IPhones

Atleast 2 - more at times

Phone

5

55

6-8

Multiple

2 PHONES TWO LAP TOPS

4-6 devices

10

8+

11+

19

NA as I work in this area- I live elsewhere

4

3 phones, 2 laptops, 1 tablet and 2 Smart TV's

TWO

Wireless phones, laptops, tablets, watches

?? A lot

4 - IF I Had Service!! NO SERVICE!!!

Total of 4 cell phones

wireless land line, computer, cell phone

wireless phones and laptop computer

8 to 10

Six

9-10

None

8-10

four

Zero

5 devices

Nine

3 wireless phones

24

N/a (live outside Yorktown)

Three

phones, laptops

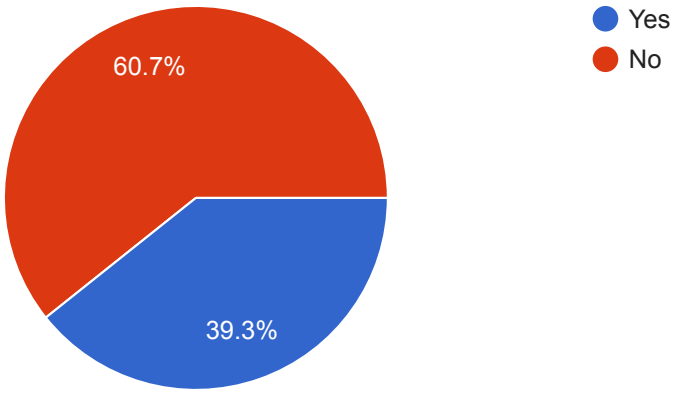
Cell phone

20+

Do you have a network extender (booster) to enhance your wireless service from your provider?

Copy

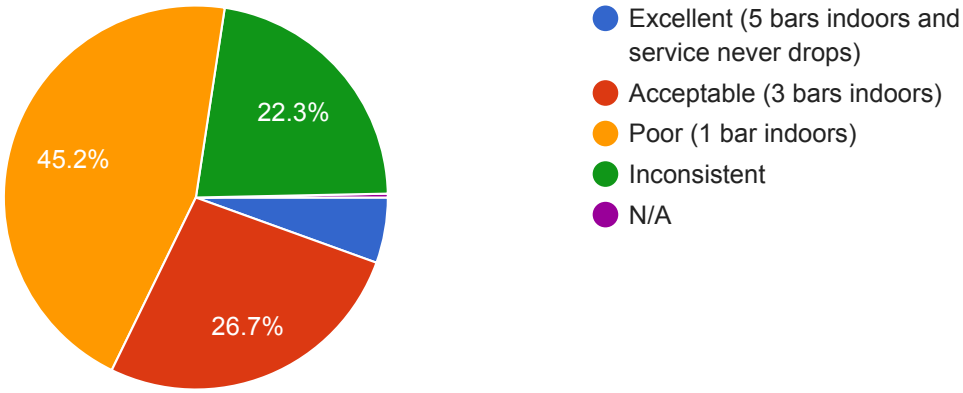
924 responses



Wireless network coverage where I reside is:

Copy

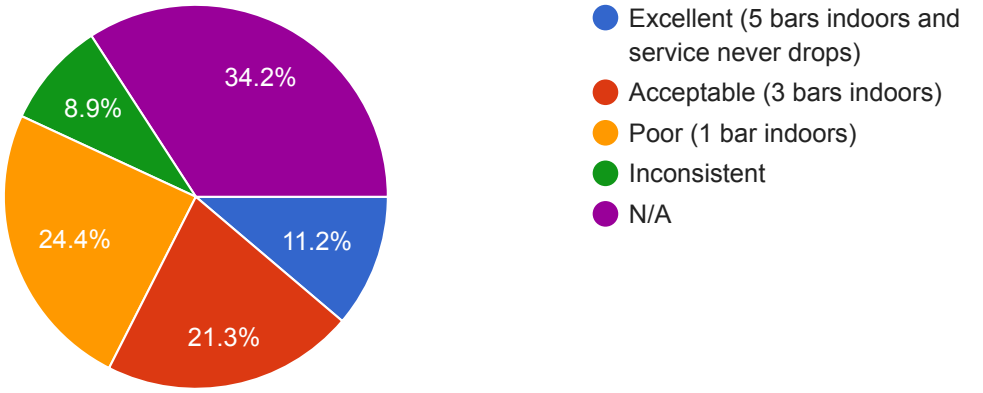
925 responses



Wireless Network coverage where I work is:

Copy

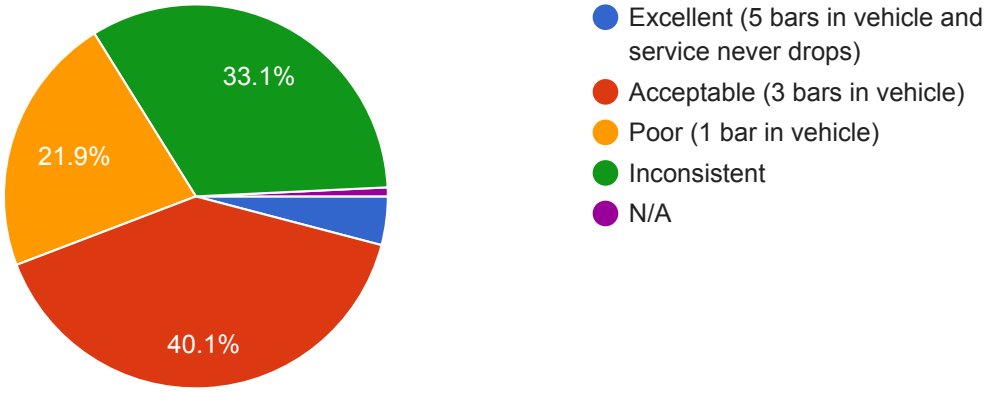
884 responses



When I travel in and around the Town my network coverage is:

Copy

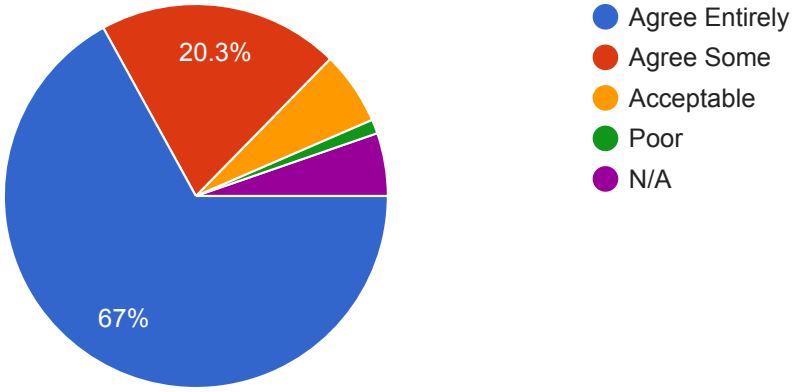
930 responses



I would rely more on my mobile device(s) if the network service was better.

Copy

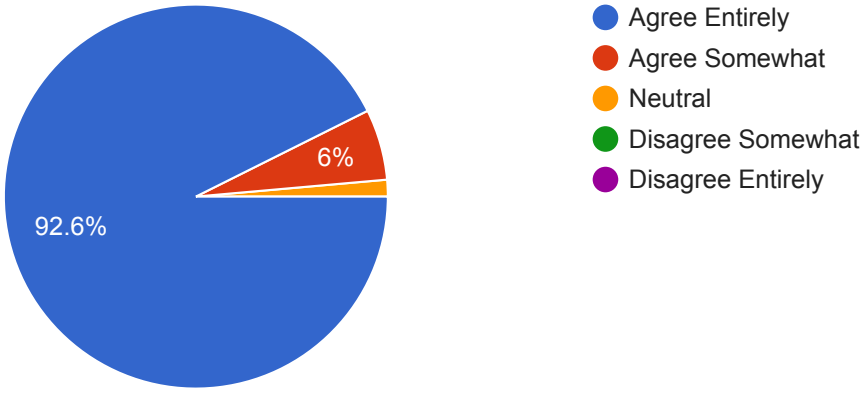
924 responses



The quality of wireless service is important to me.

Copy

922 responses



Are there specific areas of Town where your service is poor? If yes, please explain below.

638 responses

Route 35

No

My home

Home

All over

I sometimes drop calls and service drops. Normally only two bars when service is good

My house

Everywhere

Recently in the last 2 months I have had no cellular service on my phone in my home

My house

At home

N/A

Baldwin Road

Route 35 approaching Amawalk
Crompond rd near BJs

Gomer Street has become an area of awful service for Verizon. I live on Lewis Avenue and have one bar in my house and at times have completely had no service whatsoever which doesn't make sense.

No

Everywhere

My street

my home

?

Home area

Home

no

Inside stores

Granite springs road, where I live.

My house! In all these years I have never had a issue until recently.

Wood Street Ridge Street

Amlet bridge all the way to underhill exit

Pinetree Estates, area surrounding Triangle Center

My entire neighborhood

Sparkle Lake

BJs shopping center

Dunwoodie Ct

Taconic pkwy from under hill to mall exit. Around bjs. Route 129.

From center of town to bj and up through stony street to the library

Area by Thomas Jefferson Elementary

Most recently, my calls gets dropped near sparkle lake, on granite springs rd from broad street until almost rt118. This previously did not happen. Cell phone service has also been intermittent on gregory st, off granite springs rd.

Intersection of 132 and strand blvd area. Huntersbrook condos area.

Yorktown Heights, area off of Curry Street, service is awful!

It’s spotty. I can be driving and drop calls frequently

Lexington Ave, Morris Ave area. Around FDR

Center of town is awful.

Yes. By my house on Holmes. And surrounding blocks and by Sparkle lake and Granite Springs heading to 202

Near underhill ave and taconic , all of route 35

All backroads and 129 and 118

Different locations, especially the middle of town.

Underhill and heights dr areas

many pockets of evergreen st has no signal or very poor inconsistent signal

On Rt 6 in Mohegan lake

In town by CVS and by FDR park

Under hill Ave between taconic and 118

My home

On London road, some of curry street

Around my neighborhood and town

Taconic southbound

Northeast Yorktown (curry/ Rt 6, DeCiccos, JV Mall), sports fields in Northeast Yorktown and Shrub Oak, Southeast Yorktown residential areas (Croton Manor / Revere Drive neighborhood)

Schools and staples shopping area also where Panera's was near in TJ maxx

Bridle ridge

Granite Springs Rd near Sparkle Lake

Essex Fells and Farmwalk Road

Loder Road area

My neighborhood, the CrossRoads

All over. Worst on Farm Walk Road

Our neighborhood is terrible. We need to have our phones on wifi calling or we get terrible service.

gomer street, london road, smith street

Yes. On Gomer Street, Ridge, Granite Springs, 118 and 129

Taconic

Downtown near Starbucks and TJ max

anywhere near or on the taconic parkway as well as route 118/202/35 on the northeast side of town

My home address and route 202 between route 132 (my home street) and the Yorktown Heights business district.

Curry St between Douglas Drive and Granite Springs; London Rd between Gomer and Curry

Between Croton and Yorktown

Today I dropped 3 calls while on commerce street. Some days I don't drop any calls. When our wifi goes down at home I can't make any calls because I have 1 to no bars.

Van Cortlandt Circle

East of Taconic on 202 to YHS. 132/202 intersection to Strang Blvd. 118 south of Underhill. Taconic south of Underhill

Near somers line

route 35 route 118

London Road area near Curry Street

Gomer Street near Granite Springs Road

Lower half of Hanover Road

The whole Quaker Church Road area

Crompond Road area by BJs. Even my Fire Dept two way radios bad in this area

Curry/Douglas Dr

My neighborhood is terrible

Granite Springs Road is terrible, calls are dropped all of the time to the point I have to pay to have a home phone

Route 35 - awful right past reservoir and dead spot for 3 miles

Near summer trails day camp is spotty

BJs

curry street off route 6, sparkle lake area, croton bridge taconic parkway is a dead zone completely

Heathercrest

Further up my steeet (Wilson) and all along hunterbook road

All over

It changes day to day and doesn't seem to be entirely location based. Just sitting in my living room I can go from perfect 5-bar service to dropped calls and no service over the course of a few minutes.

Mohegan lake

In our house - Extreme southern area of Yorktown - south of the Croton Reservoir

Everywhere including home

Bridle Ridge - service was great, but within the last 3 months our phones only work through wifi calling. Our kids' Gizmo watches used to work perfectly, but are only able to text/make calls maybe 50% of the time now.

Different rooms in my house, Route 35, other areas

In my home on hedwig drive. Was never like this calls are dropped constantly or I cannot be heard to other party. I hear them but they don't hear me. Or I have no service

At my own home in Yorktown heights off of 132 and in Yorktown heights near Gomer & Quinlan Streets

Under hill avenue by the taconic or from town to the highway

In the Staples/BJ's area

London road between gomer and curry

My home, I have specific spots I must stand in to have a phone call otherwise call drops. Service in my home is very poor. I've complained to my wireless provider regarding this.

It's never 4 or 5 bars wherever I go around town. If I get three bars, I'm ecstatic.

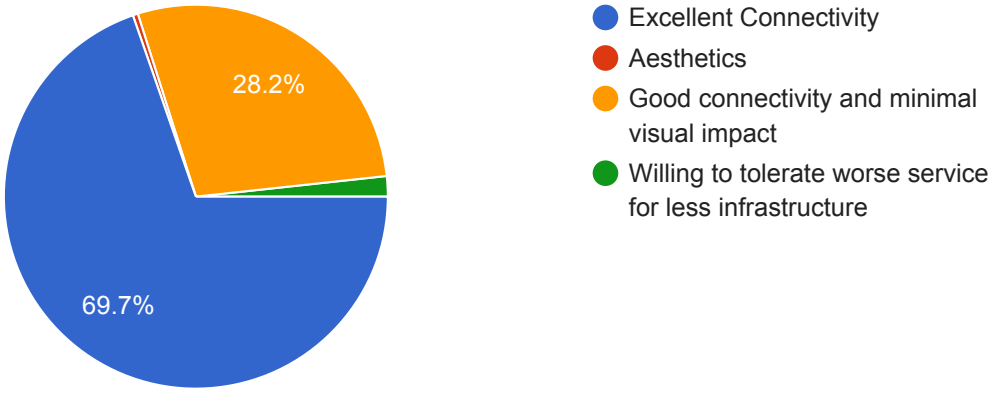
480 more responses are hidden

Aesthetics and Location

What is most important to you?

Copy

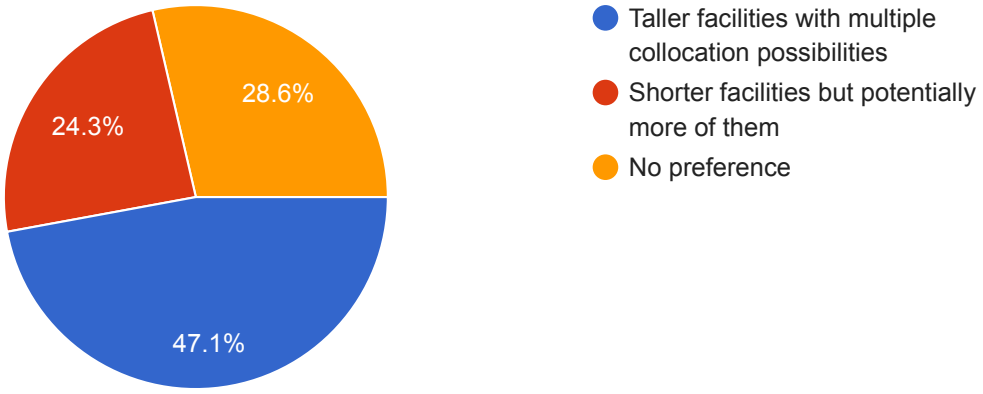
930 responses



Taller traditional macro towers remain the backbone of the wireless network. Taller towers allow for more collocations but are more visible in the landscape. Building shorter tower are less visible in the landscape but limit collocations so more towers are required. Please choose which you prefer.

Copy

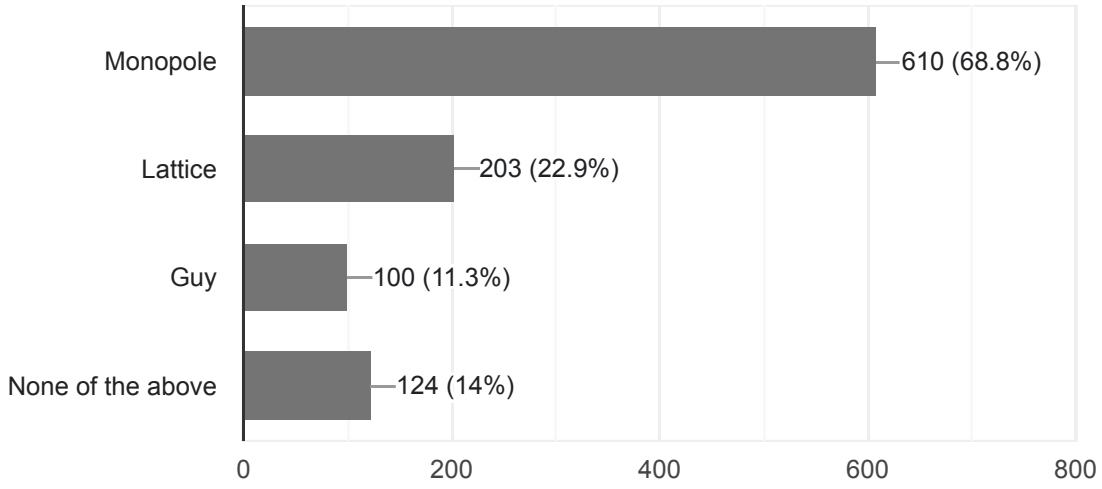
915 responses



Which non-concealed macro tower facility do you prefer? Check all that apply.

Copy

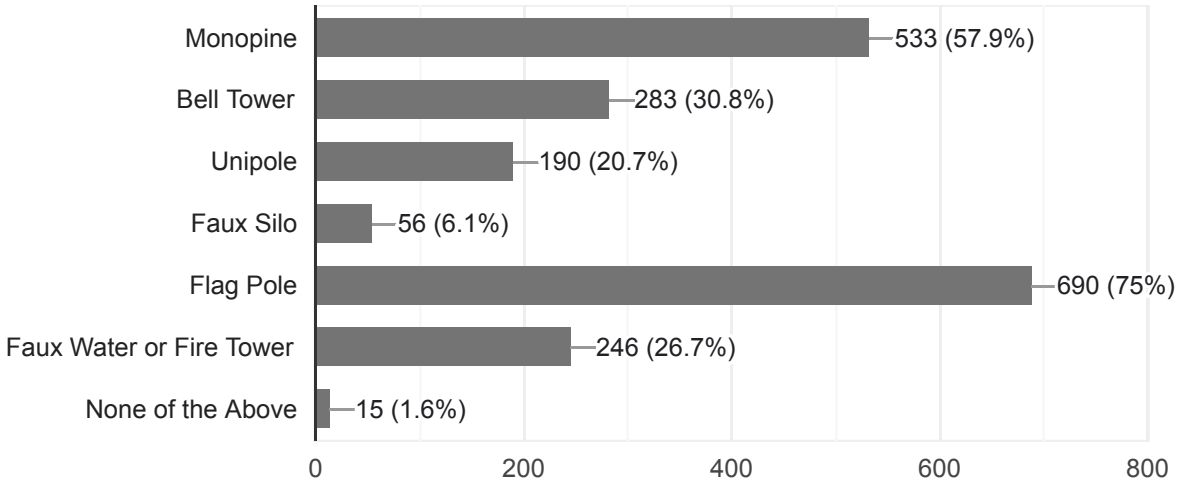
886 responses



Which concealed macro tower do you prefer? Check all that apply.

Copy

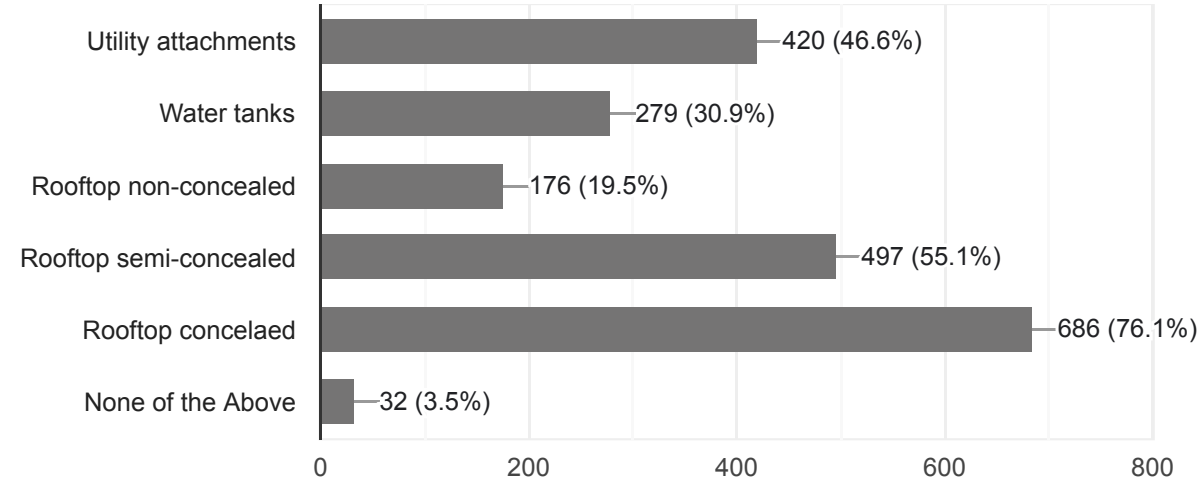
920 responses



A "base station" is any existing structure other than a tower that can accommodate wireless antennas. Examples include rooftops, water tanks, stadium lights, electrical utility poles. Which macro base station do you prefer? Check all that apply.

Copy

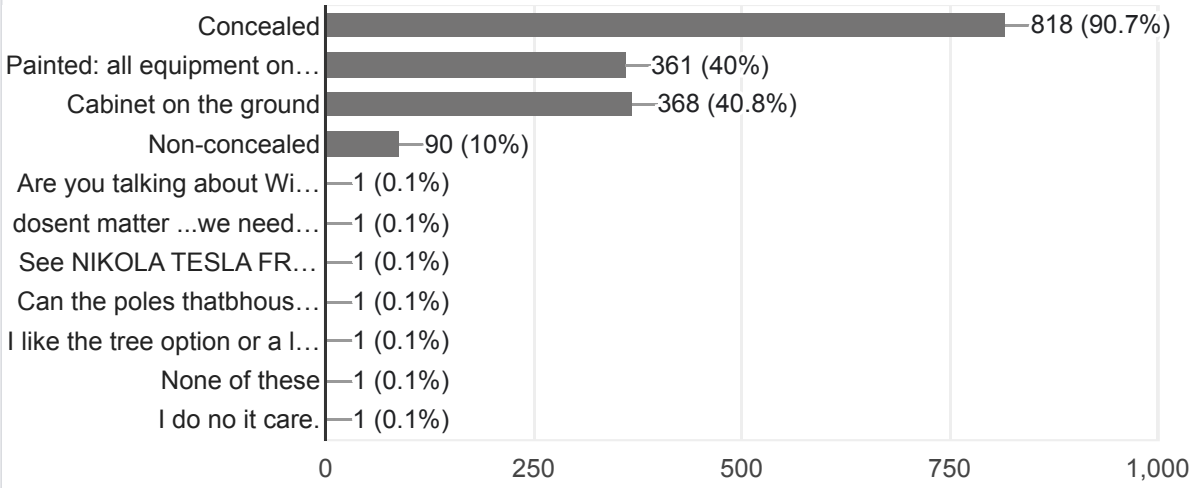
902 responses



Which small wireless facilities do you prefer? Check all that apply.

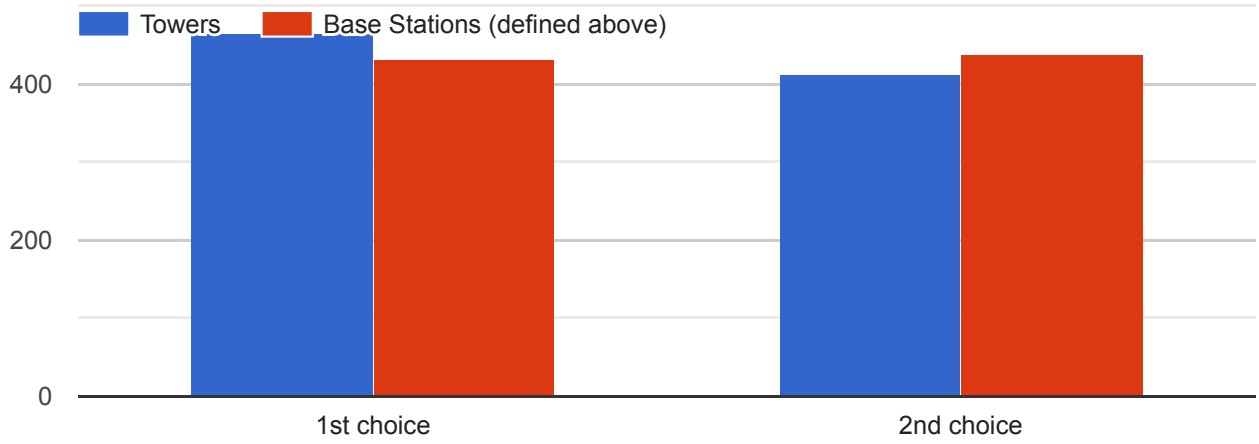
Copy

902 responses



Which do you prefer?

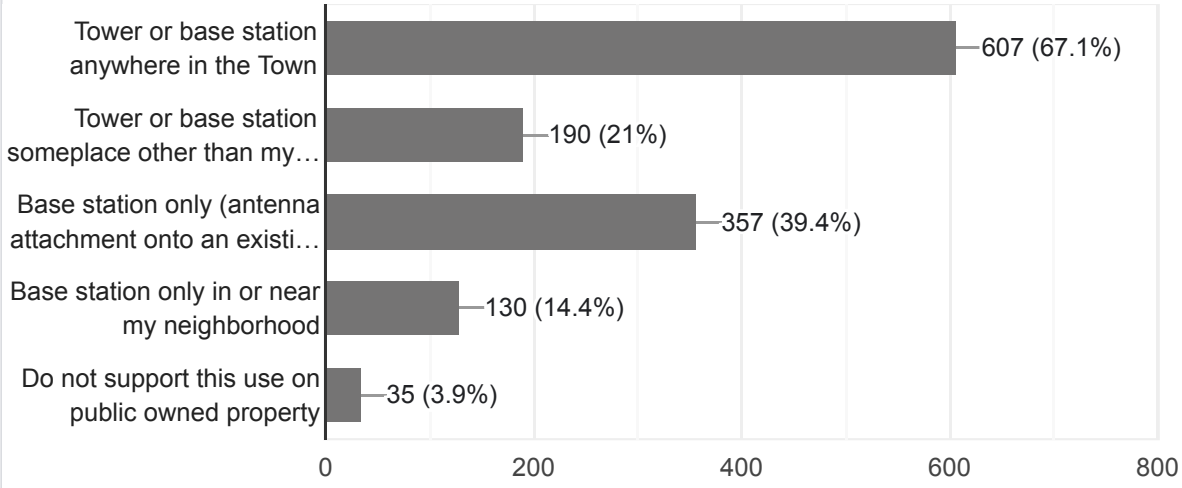
Copy



Town owned, school board or quasi public property (fire, ambulance core etc.) could be used to fill in wireless network coverage and capacity gaps in certain areas. Please check all that you would support.

Copy

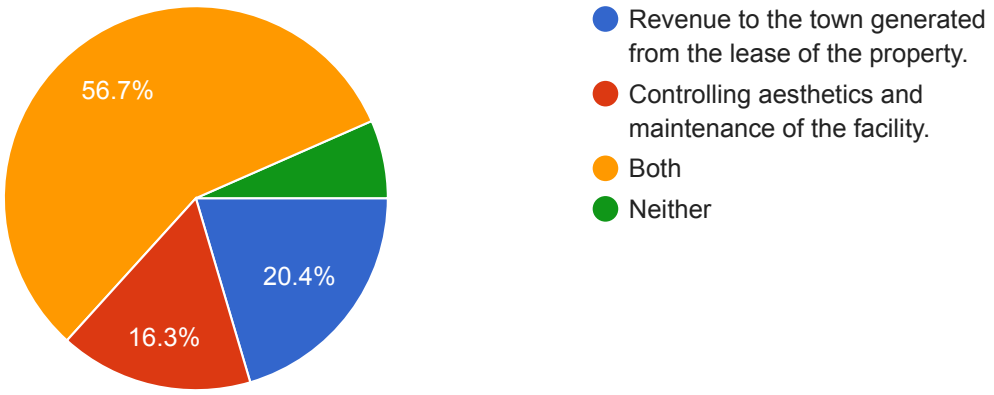
905 responses



If you support using Town owned, school board or quasi public property (fire, ambulance core etc.) property please choose which is more important to you.

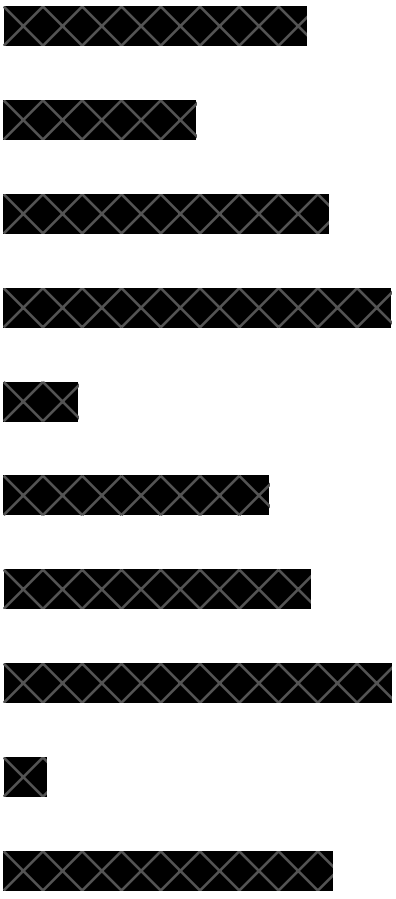
Copy

896 responses



Name or email address *email will not be used for anything other than this poll

933 responses



[redacted] Farm Walk Road, Yorktown Heights, NY 10598

[redacted]Lewis Avenue Yorktown Heights,NY 10598

Overlook ave, York Hts,10598

[redacted] Beech Rd

[redacted] carol court,Yorktown Heights 10598

Quaker Church Road

Colonial Street

[redacted] Wellington Court

[redacted] barberry road

[redacted] old Yorktown rd, yorktown heights ny 10598

[redacted]Central Street

[redacted]Edgewood Street
Yorktown Heights, NY 10598

[redacted] Gay Ridge Road

[redacted]Sheila Court, Yorktown Heights

[redacted]Farm Walk Road

[redacted] Paine Street, Yorktown Heights, NY 10598

old yorktown road

[redacted] Old Yorktown Rd

[redacted] Fountain Court

[redacted] Marcy Street, Mohegan Lake, NY 10547

[redacted]Sharon Lane Yorktown Heights, NY 10598

[redacted] High Ridge Road
Yorktown Heights, NY 10598

[redacted] Poplar St yorktown

[redacted] Wilson road

[redacted] Court Street

[redacted]LaVoie Court Yorktown Heights 10598

[redacted] Evan Drive, Ossining, NY 10562

[redacted] Loring Place

Hedwig drive

Lewis Avenue

[redacted]Mead Street, Yorktown Heights, ny 10598

[redacted]Spalding Drive, Yorktown Heights, NY 10598

[redacted] Hemlock Street

[redacted] Orchard Rd Jefferson Valley

[redacted] Birch Street

[redacted]Granite Springs Rd

Summit St

[redacted] pike place Mahopac ny 10541

[redacted] Chestnut Ct. Yorktown Heights, NY 10598

Mohegan Lake, NY 10547

Poplar St

Whittier Court, Yorktown

[redacted] old logging road east yorktown heights my 10598

[redacted] Gambelli Dr

[redacted] Old Logging Road

[redacted] Westminster Road, Yorktown Heights 19598

[redacted] Summit St., Yorktown Hts., NY 10598

[redacted] Revere Drive, Yorktown Heights, NY

[redacted] Dunwoodie Ct.

[redacted] crompond rd

[redacted] Hyatt Street

Sycamore ln

Baldwin Road - Yorktown NY

[redacted] granite springs road yorktown

[redacted] Wells Street

[redacted] Cecile drive yorktown heights

Yorktown Heights

Yorktown Heights

Colonel Greene Rd

[redacted] Strang Blvd

Sulin Ct

[redacted] Hickory St YKTN

[redacted] Summerhill Court Cortlandt Manor Yorktown tax payer

Weatherby St.

Sulin Court

Evergreen Street

Jefferson Village

[redacted] Pine Brook Ct.

[redacted] Gomer Street

[redacted] Poplar Street Yorktown Heights, NY

[redacted] Ronit Court Yorktown Heights

[redacted] Granite Springs Road

[redacted] Williams Dr.

[redacted] Sunnyside Street Shrub Oak

[redacted] Farm Walk Rd

William Court, Yorktown Heights, NY 10598

[redacted] burgess rd Yorktown heights Ny 10598

[redacted] Saddle RIdge Drive

[redacted] Chase Road, Yorktown Heights, NY 10598

[redacted] Poe Court

[redacted] Whitman rd

[redacted] Gomer St

[redacted] old crompond rd Yorktown

Oakside road, 10598

[redacted] Bridge Point Lane, Yorktown Hts

[redacted] Barry Court

[redacted] greenwood street

[redacted] Hemlock Street

[redacted] COMPOND ROAD

[redacted] Cordial Rd Yorktown heights NY 10598

[redacted] Kamhi drive

[redacted] Kear Street, Apt 3F, Yorktown Heights, NY 10598

[redacted] Curry Street

[redacted] Hanover Street

[redacted] Heritage Ct 10598

Windmill Drive, Yorktown Heights

sheila ct yorktown heightz

122 more responses are hidden

Comments or suggestions

220 responses

N/A

I can’t use my phone to make calls in my house at all ! Verizon told me it was my phone,so I upgraded to a brand new phone…no improvement whatsoever… in all the years I have had a cell phone,I have never had a problem making a call in my home until recently….: this is absolutely unacceptable!
If there was a emergency I would have no means of summoning assistance!
This situation needs to be corrected ASAP and Verizon owes us all compensation for horrible service at a premium price!!!

For several of the visual choices above, it is difficult to make a single decision, because some are more appropriate in some places but not in others. Decision should be based on the aesthetics and choices appropriate at each location.

Interested only if service improves. Rt35 tower did not make things much better

Stay away from schools.

We need better service

Look into getting 5G

Create a app or website that residents can use to report a spot with bad reception. Must have the ability to report our exact location of the bad service.

Why can’t they install multiple / combination of aesthetically pleasing (disguised options) towers, small station poles and disguised base options instead of all giant ugly towers?

Route 35 between town and 684 has consistent dead spots

Tower is best on public properties but should be in the most inconspicuous locations with the best coverage options.

Thanks for doing this.

With the highly variable terrain in Yorktown, a tall tower or two may not even be noticeable as you drive through town. Trees block views all over town and in areas like at the top of Curry/Whitman where service is dismal, a tall tower would only be noticeable to just those it is near (which I realize is where the most negative feedback will come from). If a large private property or HOA were to host the property, the revenue from that tower could offset the HOA dues for the area impacted (like Bridle Ridge)...better service and less dues would be a win-win.

Make any changes/accommodations for all carriers, not just 1 or 2 with special town deals

Cell phone service is terrible. Has to be fixed

I dont care where or what we put as long as our service is improved

I am against cell towers due to radiation and its health effects. No tower is to be close to any residential property, school. or where children congregate.

Cell phone service stinks. Calls drop constantly and audio cuts out

Please fix problem

I would appreciate better cellular service in my home.

I'm hoping we can find quick solutions to boost our cell phone connections for all carriers.

Now that Indian point is closed, why not use the siren towers for cell antennas, there one on my block and all around town.

The only reason I have 5 bars inside is because I have the booster. Without it service was practically non existent inside and outside the house as well.

We have terrible service

I wish the Town would do a similar survey with residents regarding Optimum/Cable services.

Too many outages, issues, and very, very poor customer service.

We need better wireless connectivity in town. It is bad.

In the internet dependent world we live in, I hope the tree huggers don't take precedence. Let's get better cell service in our town!

Thank you for taking notice of this issue!

ANYTHING TO IMPROVE VERIZON SERVICE - IT HAS DECLINED DRAMATICALLY IN LAST TWO YEARS

Thank you for asking the communities opinion

Please do not put a cell phone tower in my neighborhood.

Thank you.

We have to keep our land line because we can only get spotty reception in one room

The service in and round the Reseveur is horrible. And as of recently terrible at my house. Please address this issue since this is our only way to communicate.

our service is awful and could use more towers.

Please help !

Thank you for sending out this survey

It would be Great if this issue could be resolved so we can have better connection!

Prices are high and service is low

The tower nearest my home (Cardinal Ct.?) often seems to be down during & after blackouts

Thanks.

Looking forward to cell phone improvements because it is getting worse by the day it seems (Sprint).

None

rlubrino@optimum.net

I have lived in Yorktown since 1994 and never had issues with cell phone service until the last month or so. Did something happen recently to towers?

You never referred to peak hour during your town board presentation. Traffic studies must include peak hour usage!

I believe that cell phone service is very important in our town, and am somewhat but not very concerned about aesthetics.

We need to do something, the town still needs to look good and safe but we need to make sure that we can use our phone, computers and laptops especially with people not having as a many landlines, people working from home and most importantly if kids need to be remote as this past year and half showed us.

Cell coverage has become very spotty throughout northern Westchester. I get better service in remote parts of upstate NY. I'm not sure why this is the case, as coverage used to be very good in this area 2-3 years ago.

Thanks for addressing the lack of cell service in sone places.

Don't stick all the towers on the Lakeland side. They need to be equally distributed as does any revenue generated

Better WI FI reception at home

Improve reception near shopping centers

Definitely need better cell service!

Up until recently this has never been an issue. I have lived in Yorktown for 15 years and have never had a problem with my cell phone service. I have called Verizon multiple times and was told it was a town problem and could have something to do with the town and the contract with the cell tower agreement and to contact them. I was told to think about changing providers if I wasn't happy. That was a wee solution. Just unacceptable.

Service into and out of house the past two months is almost non existent. If we are able to connect, the connection is terrible, and the call ends up needing to be dropped. Any help would be great! Thx for the opportunity to fill out this survey!

The lack of cell service near our house is actually a liability. If people are away from their homes (ie. walking around the neighborhood) they can't even dial 911 during emergencies. It happens often enough that it needs to be addressed. People are having to choose to take their safety into their hands, and acknowledge that they would not be able to call our above average emergency services, just to take a casual walk around their neighborhood.

Black out zones on route 35 and Taconic needs attention

Please help us get better cell phone service in our town. Today I missed a very important call regarding my puppy's surgery from his vet due to poor cell service. Had to drive half way home to realize they called me and to call them back. Not a good day for me to not have cell service. Very frustrating and upsetting!

Sprint why is good T-Mobile is horrible.

Most important thing to consider is cell phone service during power outages. Makes it very unsafe if the towers also go down due to not everyone having landlines anymore.

I invested $1,000 in a booster and still only get 3 bars shame on Verizon

Base is preferred if there is a structure over having a tower put in.

We are soooooo over all the selfies Matt Slater takes of himself.

Please improve cell service it is important for my children to be able to contact me when they are not at home

Is your survey talking about WiFi , or cell phone service

I like the concealed towers that look like the Washington monument.

Thank you for your attention into this matter.

Our poor reception on our street and in our home has been a constant source of frustration. We often lose signal while driving on the Taconic - at the Croton reservoir bridge. We are not at

all bothered by the aesthetics of simple cell towers. They are exceptionally well concealed by the many trees.

Thanks for doing this. Improving our cell service is necessary in 2021

We need better wireless service. More towers on private or public land....service around Yorktown has been degrading for some time..something needs to be done

Why was the service fine about a year or two ago and then all of the sudden horrible? Is there someone who can try to explain that so we can understand.

Thank you fir all your hard work. Can you use the lights on the ball fields? They are already there:).

survey needs work

Anything to boost our town, fill stores and keep property values up is favorable.

I am not in support of any structure being near schools.

The poor service is impacting my ability to perform my job.

Since so many people do not have house phones anymore I believe it is very important to have cell service in my home. I can not speak on my cell phone in my house. Only one spot in my yard.

Verizon cell and internet are terrible where I live

There are many options that can be used to make sure that our town is properly updated for wireless communication. It’s time that it gets done!

Thank you!

I get no help from Verizon I had lung transplant and have a hard time staying on call with my Drs.they can’t hear me or phone cuts off. Please do something God forbid you need emergency care. Oops phone cut out. Patient is screwed!!!!!

Thank you for including the opinion of residents in this very important issue.

I'm concerned regarding the recent decrease and impact of reliable service. How is the recommended solution of more towers going to help if prior to a few months ago, no real issues were being noticed? What was changed with the cell service that caused this decrease in consistency, loss of service in some areas and an increase in dropped calls? Without a clear reason for the recent changes, how do we know an increase in towers, which will negatively impact the aesthetic of the town, will improve the issue?

I DO NOT WANT ANY 5G or high powered wireless device near residential homes or our schools.

We were just without wifi for a week after a storm. During that time we had very little cell service inside our home. Texts and emails were barely going through and phone connectivity was very poor. we have an enhanced router to boost our service but in the event that the power goes out we would have to leave the home to use our phones.

Thank you for trying to make our town better.

Cell service always suffers with At@T after heavy rain when we tend to lose cable. AT&T needs to do better.

Aesthetics matter less than environmental impact. I will take the crappy cell service if better service means destroying habitat.

All Towers net more in ground Fiber

Not on park land.

We need to maintain the hometown feel that Yorktown possesses and balance service, aesthetics, cost and hopefully revenue.

No more cell towers near homes.

Keep all towers away from where people frequent. Distance = safety!

Thank you for your interest in addressing this issue. It is an important one since technology is the future and having access is critical. I often wonder why our Wifi is so inconsistent both at home and around town and why every storm brings some kind of loss of service. Connectivity seems to be getting worse not better especially when working from home.

Turkey Mountain Park , A must

I am a 2x cancer survivor and work in Yorktown. I also grew up here and I strongly disagree with having any towers placed near our schools or neighborhoods!

I do not support 5g towers in our community!

Recently phone service in the area has become terrible. Been working fine for years and all Of a sudden calls being dropped no one is there. Someone is there but they can't hear you. Etc.

If macro tower is needed, use unipole.

116 more responses are hidden