

July 7, 2022

Town of Foxborough
Zoning Board of Appeals
c/o Diana Gray, Administrator
40 South Street
Foxborough, MA 02035

RE: Wireless Communications Facility Zoning Application (the “Application”)

Applicant: Crown Castle, Inc. (“Crown Castle”)

Site: 0 Washington Street, Foxborough, MA (Assessor’s Parcel Number 004009000000000) (the “Site”)

Owner: LoRusso, Antonio J., Jr. et al.

Facility: Construct a 102’ (above ground level, hereafter “AGL”) monopole-style tower (the “Monopole”), extending to 107’ AGL to the top of a proposed lightning rod, with the capacity for at least three (3) wireless communication services providers, together with related amplifiers, cables, fiber and other associated antenna equipment, including remote radio heads, surge arrestors, and global positioning system antennas with associated electronic equipment, and other appurtenances in equipment cabinets and shelters located within an area surrounded by a fence (the “Facility”) to replace the existing tower on the east side of 29 Washington Street, all as depicted on the plans (the “Plans”) submitted with this Application.

Relief Requested: A special permit pursuant to Sections 3.1, Table 3-1, 7.2.2.1, and 10.4 of the Town of Foxborough Zoning Bylaw (hereinafter, the “Bylaw”), and dimensional variances from the terms of Sections 7.2.4.1 (setbacks to property lines) and 7.2.4.8 (setbacks to residential structures) of the Bylaw pursuant to Section 10.2.2.3 of the Bylaw, Massachusetts General Laws Ch. 40A, and the Telecommunications Act of 1996 (the “TCA”) and, to the extent required, all rights reserved, any other required relief pursuant to the TCA for the construction, operation, and maintenance of a Wireless Communications Facility, all rights reserved.

Dear Honorable Members of the Foxborough Zoning Board of Appeals:

On behalf of Crown Castle, we are pleased to submit this memorandum to the Town of Foxborough Zoning Board of Appeals (the “Board”) in support of Crown Castle’s zoning



application for the installation, operation and maintenance of the proposed Facility at the Site. The proposed Facility will replace the existing tower at 29 Washington Street to the east of the Site which is scheduled to be removed. The following provides background information regarding the Facility and addresses each applicable section of the Bylaw.

BACKGROUND

Crown Castle owns and manages wireless communication infrastructure in the United States. Crown Castle leases space to wireless communication services providers and other users of wireless technology. Crown Castle strives to be a good neighbor to the communities within which it has communication sites.

Wireless communication services providers will lease space from Crown Castle and be subtenants of the Owner of the Site. These wireless communication services providers are licensed by the Federal Communications Commission (“FCC”) to construct and operate wireless communications networks that offer enhanced features such as caller ID, voicemail, e-mail, superior call clarity and high-speed data services in various markets throughout the Commonwealth of Massachusetts and the Town of Foxborough, in particular. By filling significant coverage gaps due to the anticipated removal of an existing nearby monopole, the Facility will aid in reaching the wireless communication services providers’ goal of maintaining the provision of reliable wireless communication services in and around the Town of Foxborough and to all of Massachusetts.

A reliable communications system depends on a grid of antennas arranged in a geographical pattern, similar to a honeycomb. Each “cell” is created by an antenna and serves as a link between the customer and the network, while that customer is within proximity to the cell site. Each cell can handle a finite number of connections. As the number of customers and data consumption increases, more cell sites must be added to handle the increased volume. A new antenna installation must be constructed each time a new cell site is created.

Crown Castle submits that the Site is well suited for a wireless communications facility. As will be demonstrated through the Application materials and the written and oral evidence at the public hearing(s) in connection with the Application, the Facility meets with all applicable requirements of the provisions of the Bylaw to the extent possible, in light of the TCA. The Facility will not adversely impact adjacent properties and neighborhoods as the Facility will be screened from view to the maximum extent possible. The location of the Facility will protect, to the extent practicable, the aesthetic qualities of the Town of Foxborough by utilizing a parcel of land that is especially suited to the proposed use and will minimize impacts to the interests protected by the Bylaw. The Facility is designed to provide for maximum colocation in order to minimize the number of tower structures in the area. The installation of the Facility will not be a threat to public health, safety and welfare. In fact, Crown Castle submits that the Facility will aid in public safety by maintaining wireless communication services to the residents, businesses, commuters, and emergency personnel utilizing wireless communications in the immediate vicinity and along the nearby roads. These services further the public interest of health and



safety as they provide wireless 911 services to the community and communication services for the public. According to published reports, approximately 80% of all 911 calls are made from wireless devices. The Facility will allow for continuing access to these reliable and robust networks in this area of the Town of Foxborough. Today, wireless infrastructure is required to assist with public safety needs.

The Facility will function as a wireless communication services facility within local, regional, and national communications systems. These systems operate pursuant to licenses from the FCC and the wireless communication services providers are mandated and authorized to provide adequate service to the Town of Foxborough. This Site was selected after a careful screening process and was found useful to Crown Castle and the wireless communication services providers. The Facility will replace an existing wireless communications facility which is scheduled to be decommissioned and removed. The Facility will not generate any objectionable noise, odor, fumes, glare, smoke, or dust or require additional lighting. No significant increase in traffic or hindrance to pedestrian movements will result from the installation of the Facility. On average, only one or two round trip visits per month are required to service and maintain the Facility which will be accessed from Washington Street. The utilities required to operate this Facility are standard electrical power as well as communication (telephone or fiber) service. The Facility will comply with all applicable local, state and federal safety codes. This is an unmanned facility and will have minimal negative effect on the adjoining lots. This Facility does not require police or fire protection because the Facility has its own monitoring equipment that can detect malfunction and/or tampering. Crown Castle will safely construct and maintain the Facility and remove the Facility when no longer in use, all in accordance with the Bylaw.

Crown Castle proposes to construct a 102' AGL Monopole, extending to 107' AGL to the top of a proposed lighting rod, with the panel antennas of at least three (3) federally licensed wireless communications services providers, together with related amplifiers, cables, fiber and other associated antenna equipment, including remote radio heads, surge arrestors, and global positioning system antennas with associated electronic equipment, and other appurtenances in equipment cabinets and shelters located within an area screened by a fence and proposed vegetation, all as depicted on the Plans submitted with this Application. The Facility will replace the existing tower located at 29 Washington Street.

The Site is located within the S-1 Special Use zoning district. Crown Castle has designed the Facility with regards to the requirements of Section 7.2 of the Bylaw. Crown Castle's construction will be within a wetland buffer area and Crown will also apply to the Conservation Commission. Additionally, Section 7.2.4.1 of the Bylaw requires the proposed Monopole to be set back from all property lines a distance at least equal to its height. The Monopole will be 50' from the rear lot line and 51' from a side lot line. Therefore, Crown Castle requests variance relief pursuant to Section 10.2.2.3 of the Bylaw. 7.2.4.1 (setbacks to property lines) and 7.2.4.8 (setbacks to residential structures). The Facility otherwise complies with the terms of Section 7.2 of the Bylaw. The foregoing relief is also requested pursuant to Massachusetts



General Laws Chapter 40A and the TCA for the construction, operation, and maintenance of a Wireless Communications Facility, all rights reserved.

As will be further demonstrated by Crown Castle through evidence submitted to the Board and at the public hearing(s) in connection herewith, such relief is appropriate as the Facility satisfies all pertinent provisions and standards contained in the Bylaw for the granting of variance relief and an amendment to the existing special permit), to the extent required, all rights reserved, as enumerated below.

COMPLIANCE WITH SECTION 7.2 OF THE ORDINANCE

7.2.1. Purpose. The purpose of this Section 7.2 is to:

- 1. Minimize adverse impacts of wireless communications facilities, satellite dishes and antennas on adjacent properties and residential neighborhoods; and**
- 2. Minimize the overall number and height of such facilities to only what is essential; and**
- 3. Promote shared use of existing facilities to reduce the need for new facilities.**

Crown Castle's Facility will be in harmony with the purposes of the Bylaw because the Monopole and wireless communications carriers' facilities will be set back over 430' from Route 1 thereby reducing potential visual impacts to the maximum extent possible. Furthermore, because the Monopole is replacing the existing tower and compound, which is to be removed from the adjoining lot to the east at 29 Washington Street, there will essentially be no intensification of visual impacts on the area. In fact, the removal of the existing tower will reduce visibility from along Route 1 when traveling southbound as evidenced by the photographs and photo simulations. Limiting the height of the Monopole to 102' AGL (extending to 107' AGL to the top of the lightning rod minimizes potential visual impacts while providing collocation opportunities in light of the anticipated removal of the nearby tower. The proposed Facility will not produce any smoke, dust, waste, glare or significant amounts of traffic. The installation of the Facility will not be a threat to public health, safety and welfare. In fact, Crown Castle submits that the proposed Facility will aid in public safety by continuing to provide and improve wireless communications services to the residents, businesses, commuters, and emergency personnel utilizing wireless communications in the immediate vicinity and along the nearby roads. These services further the public interest of health and safety as it will enable wireless 911 services to be available to the community and communication services for the public. In fact, Crown Castles submit that the Facility will aid in public safety by providing and improving wireless communication services to the residents, businesses, commuters, and emergency personnel utilizing wireless communications in the immediate vicinity and along the nearby roads. These services further the public interest of health and safety as they provide wireless 911 services to the community and communication services for the public. According to published reports, approximately



80% of all 911 calls are made from wireless devices. The Facility will allow for continuing access to this reliable and robust network in this area of the Town of Foxborough. Today, wireless infrastructure is required to assist with public safety needs.

The Monopole will be designed for colocation for at least three (3) antenna arrays, those of the wireless communication service providers whose equipment now occupies the tower on the adjoining lot, thereby minimizing the total number of towers in the Town of Foxborough. These systems operate under licenses from the FCC, and the wireless communication services providers are mandated and authorized to provide adequate service to the general public. The Facility will comply with all applicable federal regulations and guidelines pertaining to radio frequency emissions.

7.2.2. General requirements.

- 1. No wireless communications facility, which shall include monopoles, satellite dish(es) over three feet in diameter, or antennas, shall be erected or installed except in compliance with the provisions of this Section 7.2. Unless otherwise noted herein, a special permit is required from the Board of Appeals. Section 10.5 of these bylaws shall not apply to an application for any such special permit. Any proposed extension in the height or construction of a new or replacement facility shall be subject to a finding by the Board of Appeals that such extension or construction shall not be substantially more detrimental than the existing structure or use to the neighborhood. The Building Commissioner shall review petitions for the addition of cells, antennas or panels to existing monopoles or towers and shall allow such without a new hearing, provided the additions comply with the intent of this Section 7.2.**

Crown Castle submits this Application pursuant to this provision of the Bylaw.

- 2. Only freestanding monopoles, with associated antennas and/or panels, are allowed as specified in Section 7.2.4, below. Lattice-style towers and similar facilities requiring three or more legs and/or guy wires for support are not allowed.**

Crown Castle proposes a Monopole in compliance with this provision of the Bylaw.

- 3. Wireless communications monopoles and associated facilities shall only be located in nonresidential districts and shall be suitably screened from abutters and residential neighborhoods.**

The Site is located within the S-1 Special Use zoning district in compliance with this provision of the Bylaw.



4. **Panels, antennas and associated equipment may be approved as accessory uses in residential districts. The intent of this provision is to allow such facilities to be located in or on structures appropriately screened and/or camouflaged pursuant to this Section 7.2.**

The Site is not located within a residential district.

5. **Antennas and directly related facilities used exclusively for communication for the purpose of federally licensed amateur radio operators shall be exempt from this Section 7.2.**

The proposed Facility does not qualify for the exemption of this provision of the Bylaw.

6. **Structures shall be removed within one year of cessation of use. If applicable, annual certification demonstrating continuing compliance with the standards of the Federal Communications Commission, Federal Aviation Administration and the American National Standards Institute and required maintenance shall be filed with the Building Commissioner by the special permit holder.**

Crown Castle will comply with this provision of the Bylaw to the extent not contrary to federal law.

7.2.3. Application process. All applications for wireless communications facilities, antennas or satellite dishes shall be made and filed on the applicable application form in compliance with the Board of Appeals application instructions. For an application to be considered complete, the appropriate application, review and advertising fees as noted in the application guidelines and 10 copies of the following information must be submitted:

1. **A locus plan at a scale of one inch equals 1,000 feet which shall show all property lines, the exact location of the proposed structure(s), streets, landscape features, residential dwellings and neighborhoods and all buildings within 500 feet of the facility.**

Crown Castle respectfully asserts that it has submitted Plans and materials of sufficient detail for the Board to render an informed decision. To the extent that the Plans do not strictly adhere to this provision of the Bylaw, Crown Castle requests any waivers necessary.

2. **A color photograph or rendition of the proposed monopole with its antenna and/or panels. For satellite dishes or residential antennas, a color photograph or rendition illustrating the dish at the proposed location is required. A**



rendition shall also be prepared illustrating a view of the monopole, dish or antenna from the nearest street or streets.

Please refer to the photographs and photo simulations submitted herewith.

3. The following information prepared by one or more professional engineers:

- a. A description of the monopole and the technical, economic and other reasons for the proposed location, height and design.**

Please refer to the Radio Frequency Coverage Analysis submitted herewith.

- b. Confirmation that the monopole complies with all applicable federal and state standards.**

The monopole will comply with all applicable federal and state standards, including the Massachusetts Building Code, as evidenced by the Structural Support submitted herewith.

- c. A description of the capacity of the monopole, including the number and type of panels, antennas and/or transmitter receivers that it can accommodate and the basis for these calculations.**

Please refer to the Plans and Tower Design Letter submitted herewith.

4. If applicable, a written statement that the proposed facility complies with, or is exempt from applicable regulations administered by the Federal Aviation Administration (FAA), Federal Communications Commission (FCC), Massachusetts Aeronautics Division and the Massachusetts Department of Public Health.

Please refer to the ASAC Site Evaluation submitted herewith. The Massachusetts Department of Health no longer processes applications pertaining to wireless communications facilities as evidenced by the DPH Policy Memo submitted herewith.

7.2.4. Design standards. The following standards shall be used when preparing plans for the siting and construction of all wireless communications facilities:

- 1. All monopoles shall be designed to be constructed at the minimum height necessary to accommodate the anticipated and future use. The setback of a monopole from the property line of the lot on which it is located shall be at least equal to the height of the monopole.**



The Monopole will be constructed at the minimum height necessary for the wireless communications services providers to continue to provide adequate service to their networks and to replicate the coverage provided from the nearby monopole to be removed. The Monopole will be 50' from the rear lot line and 51' to the nearest side lot line, Crown Castle requests a dimensional variance from this provision of the Bylaw.

2. **No monopole or attached accessory antenna on a monopole shall exceed 120 feet in height as measured from ground level at the base of the pole. No monopole shall be constructed which requires guy wires. Monopoles shall not be located on buildings.**

The Monopole at a height of 107 feet will comply with this provision of the Bylaw.

3. **The height of antennas or dishes located on residential buildings or in the yards of residential structures shall not exceed the tree line on the lot. However, the height of antennas for federally licensed amateur radio operators may be increased to accommodate radio communications.**

The Facility will not be located on a residential building so this provision of the Bylaw does not apply to this Application.

4. **Antennas or dishes located on nonresidential buildings shall not exceed 10 feet in height above the roofline of the structure.**

The Facility will not be located on a building so this provision of the Bylaw does not apply to this Application.

5. **All wireless communications facilities shall be sited in such a manner that the view of the facility from adjacent abutters, residential neighbors and other areas of the Town shall be as limited as possible. All monopoles and dishes shall be painted or otherwise colored so they will blend in with the landscape or the structure on which they are located. A different coloring scheme shall be used to blend the structure with the landscape below and above the tree or building line.**

Please refer to the photographs and photo simulations submitted with the Application. The Monopole will replace an existing monopole on the adjoining parcel and the visual impacts to the surrounding area will be similar to the existing view of the existing monopole but minimize from Route 1 to the north of the Site. The antennas will be a neutral, non-reflective color and the Monopole a galvanized gray finish, substantially similar to the color of the existing Monopole.



6. **Satellite dishes and/or antennas shall be situated on or attached to a structure in such a manner that they are screened, preferably not being visible from abutting streets. Freestanding dishes or antennas shall be located on the landscape in such a manner so as to minimize visibility from abutting streets and residences and to limit the need to remove existing vegetation. All equipment shall be colored, molded and/or installed to blend into the structure and/or the landscape.**

The antennas will be mounted to the Monopole using standard mounts in a manner similar to the existing monopoles on Washington Street. The Monopole will be located 444' to the front lot line along Washington Street and about 230' to the nearest residential structure. The Monopole will be set back towards the rear portion of the Site in an area which will not require significant removal of existing vegetation.

7. **Wireless communications facilities shall be designed to accommodate the maximum number of users technologically practical. The intent of this requirement is to reduce the number of facilities which will be required to be located within the community.**

The Monopole will be designed to accommodate the antennas of at least three wireless communication services providers.

8. **All monopoles shall be located a minimum of 500 feet from the nearest residential structure.**

The nearest residential structure will be less than 500' from the Facility and Crown Castle respectfully requests a dimensional variance from this provision of the Bylaw.

9. **Fencing shall be provided to control access to wireless communications facilities and shall be compatible with the scenic character of the Town and shall not be of razor wire.**

The Facility will comply with this provision of the Bylaw.

10. **There shall be no signs, except for announcement signs, "no trespassing" signs and a required sign giving a phone number where the owner can be reached on a twenty-four-hour basis. All signs shall conform with the Sign Bylaw (Chapter 213, Signs, of the Foxborough General Bylaws).**

The Facility will comply with this provision of the Bylaw.



- 11. Night lighting of towers shall be prohibited unless required by the Federal Aviation Administration. Lighting shall be limited to that needed for emergencies and/or as required by the FAA.**

The Facility will comply with this provision of the Bylaw. As evidenced by the ASAC Site Evaluation submitted herewith, no navigational lighting is anticipated at the Site as a result of the proposed Facility.

- 12. There shall be a minimum of one parking space for each facility, to be used in connection with the maintenance of the site, and not to be used for the permanent storage of vehicles or other equipment**

The Facility will have a designated space and turnaround for maintenance vehicles as illustrated on Sheet A-3 of the Plans.

- 7.2.5. Special permit review. Applications for special permits may be approved or approved with conditions if the petitioner can fulfill the requirements of this Section 7.2 to the satisfaction of the Board of Appeals. Applications for special permits may be denied if the petitioner cannot fulfill or address the requirements of these regulations to the satisfaction of the Board.**

- 1. When considering an application for a wireless communications facility, the Board of Appeals shall place great emphasis on the proximity of the facility to residential dwellings and its impact on these residences. New facilities shall only be considered after a finding that existing (or previously approved) facilities cannot accommodate the proposed use(s).**

The Facility will replace an existing Monopole on the adjacent parcel. The nearest residential structure will be 230' away from the Facility, approximately the same distance as the existing monopole is to that same structure.

- 2. When considering an application for an antenna or dish proposed to be placed on a structure, the Board of Appeals shall place great emphasis on the visual impact of the unit from the abutting neighborhoods and street(s).**

The proposed Facility will replace the existing facility on the adjoining parcel to the Site. The visual impact of the Facility will be less than that of the existing Facility.

COMPLIANCE WITH SECTION 10.4 OF THE BYLAW

- 10.4.2. Criteria. Special permits shall be granted by the special permit granting authority, unless otherwise specified herein, only upon its written determination that the adverse effects of the proposed use will not outweigh its beneficial impacts to the**



Town or the neighborhood, in view of the particular characteristics of the site and of the proposal in relation to that site. In addition to any specific factors that may be set forth in these bylaws, the determination shall include consideration of each of the following:

1. Community needs served by the proposal;

The proposed Facility will aid in public safety by maintaining, providing and improving wireless communications services to the residents, businesses, commuters, and emergency personnel utilizing wireless communications in the immediate vicinity and along the nearby roads. These services further the public interest of health and safety as it will enable wireless 911 services to be available to the community and communication services for the public. In fact, Crown Castles submit that the Facility will aid in public safety by providing and improving wireless communication services to the residents, businesses, commuters, and emergency personnel utilizing wireless communications in the immediate vicinity and along the nearby roads. These services further the public interest of health and safety as they provide wireless 911 services to the community and communication services for the public. According to published reports, approximately 80% of all 911 calls are made from wireless devices. The Facility will allow for continuing access to this reliable and robust network in this area of the Town of Foxborough. Today, wireless infrastructure is required to assist with public safety needs.

2. Traffic flow and safety, including parking and loading;

The Facility will not change existing traffic patterns on the Site or in the area and will not generate significant amounts of traffic. Once constructed, traffic to and from the Facility will average one or two trips per month per carrier by maintenance personnel who will park their vehicle in the designated space in front of the fenced compound area and not on the street.

3. Adequacy of utilities and other public services;

The Facility will operate with standard electric and telephone service which will run underground from an existing utility pole along Washington Street to the proposed fenced compound.

4. Neighborhood character and social structures;

The Facility will not adversely impact upon the existing neighborhood character or social structures. The Facility will replace an existing monopole on an adjoining parcel, so there will be no substantial change to the existing visual



impacts of the area. In fact, the visual impact will be reduced along Route 1 to the north of the Site.

5. Impact on the natural environment; and

The proposed Facility will not generate unreasonable noise, smoke, glare, odor, waste or significant amounts of traffic.

6. Potential economic and fiscal impact to the Town, including impact on Town services, tax base, and employment

The Facility will aid the local economy by providing and improving wireless communications services to the residents, businesses, commuters, and emergency personnel utilizing wireless communications in the immediate vicinity and along the nearby roads. Any added value to the tax base will be determined by the Town's Tax Assessor.

COMPLIANCE WITH SECTION 10.2.2.3 OF THE BYLAW

10.2.2.3. To authorize a variance upon petition or appeal with respect to a particular parcel of land or to an existing building thereon from the terms of these bylaws where, owing to circumstances relating to the soil conditions, shape or topography of such land or structures, but not affecting generally the zoning district in which it is located, a literal enforcement of the provisions of these bylaws would involve substantial hardship, financial or otherwise, to the petitioner or appellant, and that desirable relief may be granted without substantial detriment to the public good and without nullifying or substantially derogating from the intent or purpose of these bylaws, but not otherwise. The Board of Appeals shall not have authority to authorize a use variance.

a. A literal enforcement of the provision of the Ordinance would involve a substantial hardship, financial or otherwise, to the petitioner or appellant.

The hardship is a significant gap in coverage that will occur when an existing monopole on an adjoining parcel is removed. The location of the Facility relative to the wireless communication services' gap in network coverage renders the location uniquely suited for the proposed Facility to fill the existing significant gap in coverage thereby permitting the carriers the ability to maintain adequate coverage in this area of Foxborough as part of their networks pursuant to their FCC licenses. Pursuant to developing case law, if local permit granting authorities prevent a wireless service provider from filling a gap in its network coverage, that authority's



decision may “prohibit or have the effect of prohibiting the provision of personal wireless services.” The Site is an ideal, unique candidate because it is a partially wooded parcel that can replace the network coverage that will be lost once the existing monopole is removed. The location on the parcel was selected so as not to interfere with the existing operations on the Site. Without the requested relief, the carriers would have a substantial “gap” in reliable service coverage in their networks. Radio frequency coverage maps provided by the Crown Castle and submitted herewith, confirm that a communications facility located at the subject site is required to replace the adequate coverage provided by the existing facility once it is removed from the adjacent parcel.

- b. The hardship is owing to circumstances relating to the soil conditions, shape or topography of such land or structures and especially affecting such land or structures but not affecting generally the zoning district in which it is located.**

The hardship is owing to the shape and topography of the land and the Site’s location in the wireless carriers’ wireless communications services networks. The location of the Site relative to gaps in network coverage, renders the proposed location uniquely suited for the Facility to fill the existing significant gaps in coverage thereby permitting the carriers to replace coverage that will be lost when the existing monopole on the neighboring parcel is removed. Pursuant to developing case law, if local permit granting authorities prevent a wireless service provider from filling a gap in its network coverage, that authority’s decision may “prohibit or have the effect of prohibiting the provision of personal wireless services.” The subject parcel is an ideal, unique candidate because it can meet the carriers’ identified significant gap in coverage while also meeting substantially all of the Bylaw requirements. The use of the Site for the Facility at the height proposed will enable the wireless communication services providers to maintain enhanced wireless communications services in the area surrounding the Site.

- c. Desirable relief may be granted without either: (1) Substantial detriment to the public good; or (2) Nullifying or substantially derogating from the intent or purpose of the Ordinance.**

The proposed Facility will include a tower of a slender Monopole design that will be significantly set back toward the rear portion of the Site, and will be partially screened by existing vegetation so potential visual impacts will be minimized and the aesthetic qualities of the Town of Foxborough will be preserved. The Facility will not be contrary to the public interest and welfare. The Facility will benefit those living and



working in and traveling through the area by providing enhanced wireless telecommunication services. The Facility will not adversely impact adjacent properties and neighborhoods as the Facility will not produce smoke, odors, waste, glare or significant amounts of traffic. The installation of the Facility will not be a threat to public health, safety and welfare. In fact, Crown Castle submits that the proposed Facility will aid in public safety by maintaining, providing and improving wireless communications services to the residents, businesses, commuters, and emergency personnel utilizing wireless communications in the immediate vicinity and along the nearby roads. Consistent with the Bylaw, the Facility will function as a wireless communications services facility within a local, regional, and national communications system. This system operates under license from the FCC, and the wireless communication services providers are mandated and authorized to provide adequate service to the general public. The Facility will not generate any objectionable noise, odor, fumes, glare, smoke, or dust. The Facility will have no negative impact on property values in the area. No significant increase in traffic or hindrance to pedestrian movements will result from the Facility. On average, only one round trip visit per month per carrier will be required to service and maintain the Facility. This will be an unmanned facility and will have minimal negative effect on the adjoining lots. This Facility will not require police, or fire protection because the installation will have its own monitoring equipment that can detect malfunction and/or tampering. By designing the Monopole to support the antennas of multiple wireless communications services providers, future proliferation of towers in the immediate vicinity will be minimized.

THE TELECOMMUNICATIONS ACT OF 1996

Without the relief requested, the wireless communication services providers would be unable to fill their anticipated significant gaps in coverage, thereby creating a hardship recognized by federal and state courts interpreting the TCA. The proposed facility on the Site is located within the limited geographic area whereby the coverage from the existing monopole on the parcel adjacent to the Site may be substantially replaced when the existing monopole is removed. Federal courts interpreting the TCA have held that where an applicant for the installation of wireless telecommunications facilities to provide telecommunications services seeks zoning relief as required by the municipal zoning bylaw, federal law imposes substantial restrictions affecting the standard for granting the requested relief.

As evidenced through the Coverage Maps submitted herewith, the Crown Castle has demonstrated a need for replacing the adequate coverage in an area immediately surrounding the Site.



CONCLUSION

As evidenced by the materials submitted with the Application and as will be further demonstrated by Crown Castle through evidence submitted to the Board at the public hearing(s) in connection herewith, the Facility satisfies the intent and objectives of the Bylaw. The Facility will not be dangerous to the public health or safety as it is designed to comply with all applicable FCC requirements relating to radio frequency emissions and will comply with all applicable requirements of the Massachusetts building code. Indeed, the maximum radio frequency output per channel for the wireless communications facilities collocating on this Facility will be well below the maximum radio frequency exposure levels established by the FCC. The Facility is a passive use and will not cause any nuisance such as unreasonable noise, vibration, smoke, odor or dust. Further, the Facility will maintain wireless communication coverage to residents, commercial establishments and travelers through this area of the Town of Foxborough. Crown Castle's tenants will maintain emergency communications for police and fire personnel by reducing the number and frequency of dropped and incomplete calls due to weak signals and adding an additional layer of communication to traditional land lines. In fact, published reports highlight the fact that during and after adverse major weather events, including ice storms, wireless telecommunications have been the only form of reliable communication. Lastly, the installation of the Facility at the Site will assist the Town of Foxborough in complying with its obligations under the TCA and reduce the need for additional tower structures in the immediate vicinity.

Crown Castle respectfully requests that the Board grant all necessary relief to install and operate the Facility. For the foregoing reasons, as well as to satisfy the mandate of the federal government to facilitate competition in the telecommunications industry as set forth in the TCA, Crown Castle respectfully requests that the Board grant the foregoing zoning relief. We respectfully submit that the standards for relief as set forth in the Bylaw as well as Massachusetts law relating to zoning must be interpreted and applied such that the decision issued by the Board is in conformance with the TCA. Accordingly, in light of the anticipated removal of the existing nearby tower at 29 Washington Street, a denial of the foregoing petition would effectively prohibit wireless communications services providers from providing adequate service to the Town of Foxborough and thus would be contrary to the purpose and intent of the TCA.

Sincerely,

BROWN RUDNICK LLP

A handwritten signature in black ink, appearing to read 'E. Pare, Jr.', written over a horizontal line.

Edward D. Pare, Jr.



Town of Foxborough
Zoning Board of Appeals
July 7, 2022
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ATTACHMENTS

1. Application Form
2. Letter of Authorization
3. ASAC Site Evaluation
4. Radio Frequency Coverage Analysis and Coverage Maps
5. Photographs and Simulations
6. Copy of Assessor's Map with Subject Site
7. Certified Abutters List (Foxborough and Walpole)
8. Tower Design Letter
9. DPH Policy Memo
10. Plans
11. Filing Fee

TAB #1



BOARD OF APPEALS
TOWN OF FOXBOROUGH
 40 SOUTH STREET
 MASSACHUSETTS
 02035

APPLICATION FOR BOARD OF APPEALS HEARING

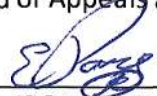
Name of Applicant: Crown Castle, Inc. Tel #: 401-481-6574
 Mailing Address: 3 Corporate Park Drive, Suite 101, Clifton Park, NY 12065 Email: epare@brownrudnick.com
 Location of Property Subject of the Hearing: Washington Street, Foxborough (Assessor Map 4, Lot 9)
 Assessors Map #: 4 Parcel #: 9 Zoning District: S-1 (Special Use)
 Is the property located in any zoning overlay district? No Yes If yes, please identify overlay district _____
 Owner of Subject Property (if different than applicant): LoRusso, Antonio J., Jr., et al.
 Address of Owner (if different than applicant's address): P.O.Box 230, Walpole, MA 02081
 Were previous decisions rendered on the subject property?: No Yes . If yes, please Provide copy of decision(s).

***NATURE OF APPLICATION (complete appropriate hearing request):**

1. Request for a **SPECIAL PERMIT** under Sections 3.1, Table 3-1, 7.2.2.1 and 10.4 of the Zoning By-Laws to allow the construction operation and maintenance of a 102' above ground level ("AGL") monopole style tower, extending to 107' AGL to the top of a proposed lightning rod, with the capacity for at least three (3) wireless communication services providers, together with related amplifiers, cables, fiber and other associated antenna equipment, including remote radio heads, surge arrestors, and global positioning system antennas with associated electronic equipment, and other appurtenances in equipment cabinets and shelters located within an area surrounded by a fence to replace the existing tower on the east side of 29 Washington Street, all as depicted on the plans submitted with this application.
2. Request for a **VARIANCE** from Sections 7.2.4.1 and 7.2.4.8 of the Zoning By-Laws to allow a monopole facility to be constructed nearer to lot lines than a distance equal to its proposed height and to allow its location less than 500' from a residential structure.
3. An **ADMINISTRATIVE APPEAL** in accordance with Section 10.2.2 of the Zoning By-Laws (explain): N/A
4. **OTHER** (i.e. Comprehensive Permit, Finding or Sign Bylaw - Chapter 213 Signs)
 Explain: _____
All of the above is requested pursuant to Sections 10.4 and 10.2.2.3 of the Zoning Bylaw, Massachusetts General Laws Ch. 40A, and the Telecommunications Act of 1996 and, to the extent required, all rights reserved, any other required relief pursuant to the Telecommunications Act of 1996 for the construction, operation and maintenance of a Wireless Communications facility, all rights reserved. Please refer to the supporting statements submitted herewith and incorporated herein by reference.

*If necessary, attach additional description page(s).

I, Edward D. Pare, Jr., appearing for the Applicant ~~as applicant~~, hereby request a hearing before the Foxborough Zoning Board of Appeals as referenced in the above application.

Applicant's Signature:  Date: July 7, 2022
Edward D. Pare, Jr., for the Applicant

***If applicant is other than owner of subject property, owner must sign authorization below.**

I, _____ as owner of subject property, hereby authorize the applicant, _____, to act on matters before the Foxborough Zoning Board of Appeals as referenced in the above application.

Subject Property Owner's Signature: Please refer to Letter of Authorization submitted herewith. _____ Date: _____

Official Use Only

Tax Collector's Release

The above referenced applicant is applying for a permit from the Zoning Board of Appeals and is in good standing with respect to any taxes, fees, assessments, betterments or other municipal charges as recorded with the Treasurer's Office.

Tax Collector or Agent's Signature: _____ Date: _____

Town Clerk Receipt

The above referenced application has been received and recorded with the Town Clerk.

Town Clerk or Agent's Signature: _____ Date: _____

INSTRUCTIONS FOR APPLICATION FILING: INCLUDE EIGHT (8) COPIES EACH.

1. Completed application with all signatures affixed.
2. Copy of assessor's map showing parcel subject to hearing.
3. Plot Plan, certified by land surveyor or civil engineer showing proposed work (Mortgage survey plans will not be accepted).
4. Construction plans showing building elevations with dimensions (if applicable).
5. If an administrative appeal, include denial letter or zoning determination from the Building Commissioner or other Town Official (if applicable).
6. Abutter's List (within 300 feet of subject property), certified by the Town Assessor.
7. Any additional documentation relevant to the hearing.
8. Appropriate fees (See Fee Schedule)

FILING AND ADVERTISING FEES

(a) A filing fee shall be made payable to the "Town of Foxborough" as follows:

Application Type	Filing Fee*
(i) Single and Two-Family Special Permits (including home occupations), Variances and Findings	\$150
(ii) Multi-Family Special Permits, Variances and Findings	\$200 plus \$75 for each unit in excess of 2
(iii) Non-Residential Special Permits, Variances and Findings	\$300
(iv) Signs	\$200
(v) Appeals of Building Commissioner/ Zoning Enforcement Officer	\$150
(vi) Comprehensive Permits	As determined in accordance with Section 5.03 of the Foxborough Zoning Board of Appeals Rules and Regulations

** Each request within an application is subject to and requires payment of the filing fee that is applicable thereto. For example, an application requesting both a special permit and a variance for a non-residential use would require payment of a \$600 filing fee.*

(b) An advertising fee shall be made payable directly to The Sun Chronicle (or such other locally-distributed newspaper in which the Board designates the required hearing notice to be advertised) in such amount as is required thereby.

TAB #2

Property Owner Letter of Authorization

MA – TOWNSHIP OF FOXBORO

Re: Zoning/ Permitting

I hereby represent that I am the legal owner of the property referenced below, and I hereby give my authorization to Crown Castle Towers 06-2 LLC and/or its Agent(s), to act as our Agent(s) in processing and obtaining approval for zoning approval, building permits and/or ancillary activity through the TOWN OF FOXBOROUGH and all other necessary regional, state and federal regulatory bodies for the construction of a telecommunications facility on the property described as:

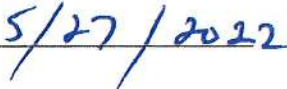
Site Address: 0 Washington Street, Foxboro, MA 02035

Property Owner: LORUSSO ANTONIO J JR ET AL

By: _____



Date: _____



TAB #3



**ASAC SITE SPECIFIC EVALUATION
FOR**

**Site Name: Foxborough
Site Number: 831987 (875091 old BU)
Site Location: Attleboro, MA**

**Requestors Name: Pascelle Saint-Laurent
Company Name: Crown Castle
Street Address: 200 Corporate Drive
City and Zip: Canonsburg, PA 15317**

This is an evaluation based on application of surfaces identified in Federal Aviation Regulation (FAR) Part 77 and Federal Communication Commission (FCC) Rules Part 17.

EXECUTIVE SUMMARY

- ✚ The max height that can be built at this site without notice to the FAA is 200 feet AGL or 435 feet AMSL.**
- ✚ The max No Extended Study height at this site is 499 AGL, or 734 AMSL.**
- ✚ The max no hazard height at this site is 499 AGL, or 734 AMSL.**
- ✚ The max no marking and lighting height at this site is 200 AGL, or 435 AMSL.**

SITE DATA

Structure Type: Antenna Tower

Coordinates of site:	Lat: 42°6'5.16"	
	Long: 71°15'42.60"	
	Datum: NAD 83	
Site ground elevation:		235
Total height above the ground of the entire structure (AGL):		342
Total height above mean sea level (AMSL):		577

AIRPORT/HELIPORT INFORMATION

Nearest public use or Government Use (DOD) facility: Norwood Memorial.

This structure will be located 6.6 NM or 40430 FT from the airport on a bearing of 36 degrees true to the airport.

Nearest private use landing facility is: Gillette Stadium.

This structure will be located 0.7 NM from the helipad on a bearing of 184 degrees true to the helipad.

STUDY FINDINGS

FAA FAR Part 77 paragraph 9 (FAR 77.9): (Construction or Alteration requiring notice.) (These are the imaginary surfaces that the FAA has implemented to provide general criteria for notification purposes.)

This structure does not require notification to the FAA.

FAA FAR Part 77 paragraph 17(FAR 77.17): (Standards for Determining Obstructions.)(These are the imaginary surfaces that the FAA has implemented to protect aircraft safety. If any of these surfaces are penetrated, the structure may pose a Hazard to Air Navigation.)

This structure does not exceed these surfaces.

**FCC Notice Requirements:
(FCC Rules, Part 17)**

This structure does not require notification to the FAA or FCC based on these rules.

**FAA EMI:
(The FAA protects certain air navigational aids, radio transmitters, and RADAR facilities from possible interference. The distance and direction are dependent on the type of facility being evaluated. Some of these transmission and receiver facilities are listed in the National Flight Data Center (NFDC) database.)**

This site would not affect any FAA air navigational aids or transmitters.

Military Airspace:

(This would include low level visual and instrument routes along with operations areas and special use airspace.)

This structure will not affect this airspace.

AM Facilities:

(The FCC protects AM radio stations from possible interference for a distance of 3.0 km for directional facilities, and 1.0 km for non-directional facilities. New changes to the FCC critical distances are calculated based on the AM transmission Movement Method Proof evaluation.)

This site was evaluated against the FCC's AM antenna database using the Movement Method proof calculations and no further action is required.

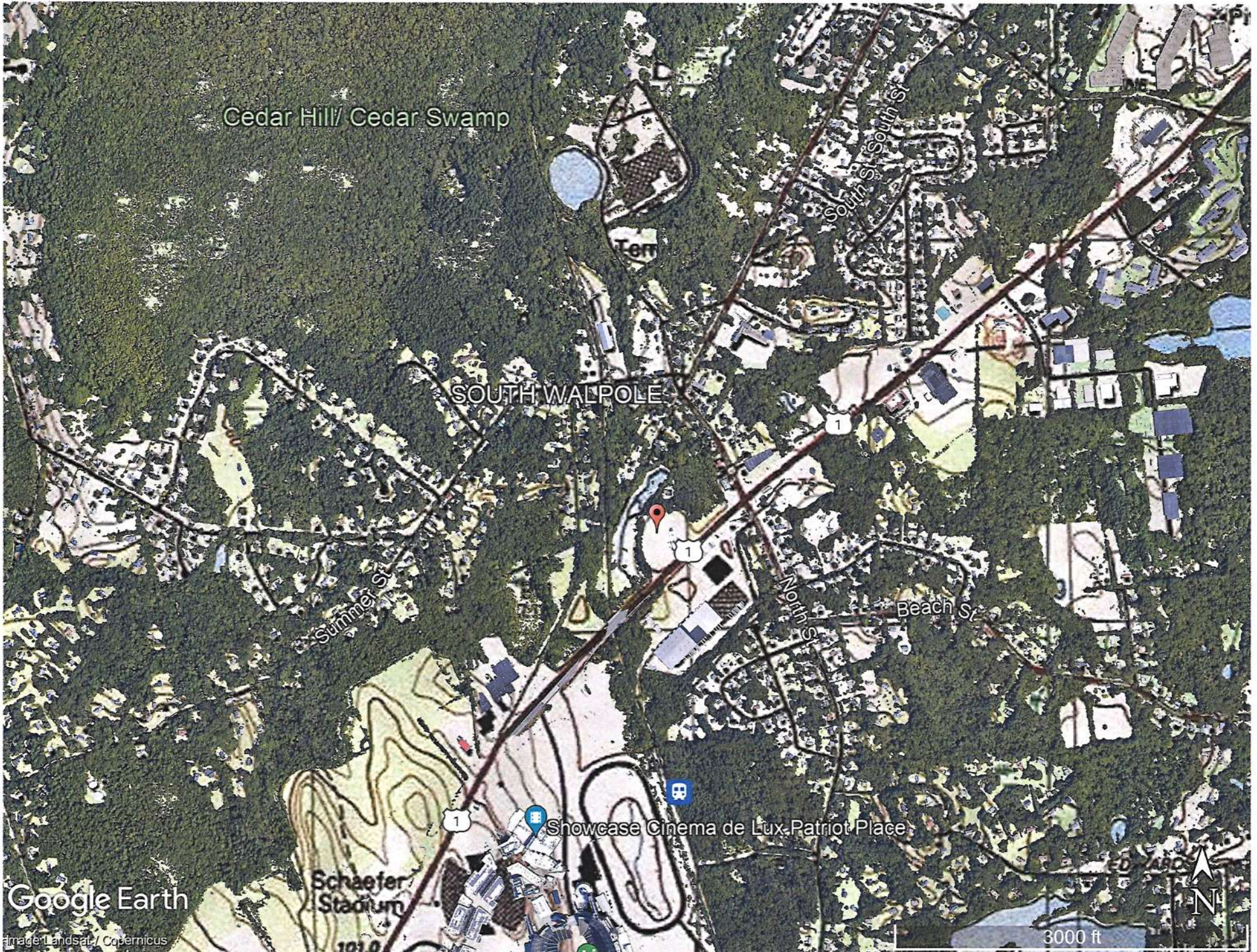
MARKING AND LIGHTING

FAA Advisory Circular 70/7460-1:

Marking and lighting is not required for this structure.

RECOMMENDATIONS

This site was evaluated in accordance with the requirements specified by the FAA under Federal Aviation Rules part 77, and found not to be a hazard to air navigation.



Cedar Hill/ Cedar Swamp

Vermont

SOUTH WALPOLE

Summer St

South St

North St

Beach St

Showcase Cinema de Lux-Patriot Place

Schaefer Stadium

Google Earth

Image Landsat / Copernicus

3000 ft



TAB #4



Communications infrastructure is essential.

Tower Relocation Coverage Map Analysis
28 Washington Street, Foxboro, MA 02035
to
Washington Street, Foxboro, MA 02035

The pathway to possible.

Current/Proposed Site

Existing

103' Monopole Tower

28 Washington Street, Foxboro, MA 02035

Latitude: 42.101583 (NAD83)

Longitude: -71.260805 (NAD83)

241' AMSL Ground Elevation

Sprint 100', Verizon 90', T-Mobile 80'

Proposed

107' Monopole Tower

Washington Street, Foxboro, MA 02035

Latitude: 42.101229 (NAD83)

Longitude: -71.261800 (NAD83)

238' AMSL Ground Elevation

Verizon 102', T-Mobile 91', DISH 79'



Relocation Site Objectives

Ensuring Highway 1 and surrounding communities experiences no loss of wireless throughput and coverage. Also to provide service to North side of Gillette Stadium.

Replicating the wireless throughput and coverage provided by the site on Washington Street

Continuing in-building service to surrounding business district and suburban and rural districts around the sites

Proposed Site Benefits

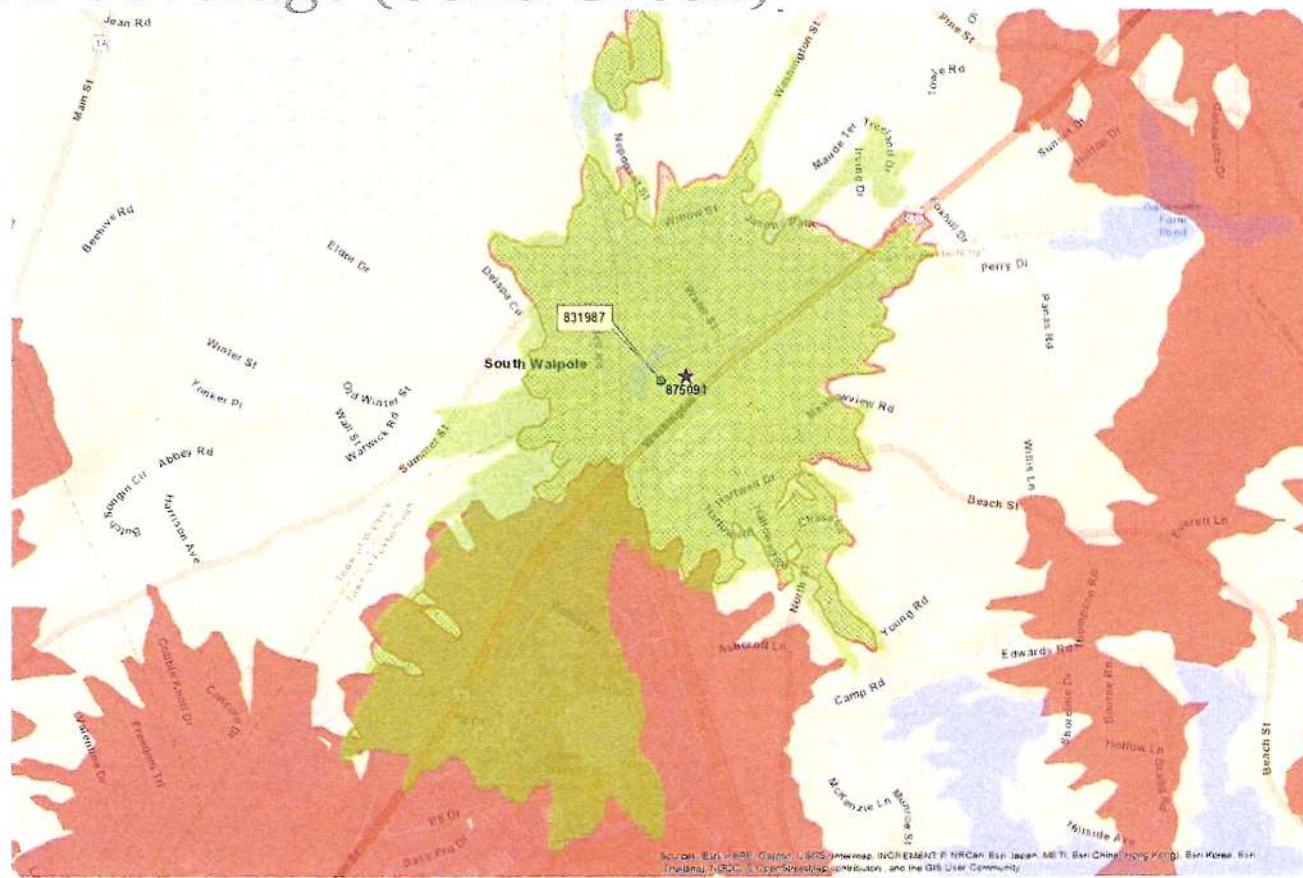
Replicate throughput and coverage from existing site

Replicate in-building coverage from existing site

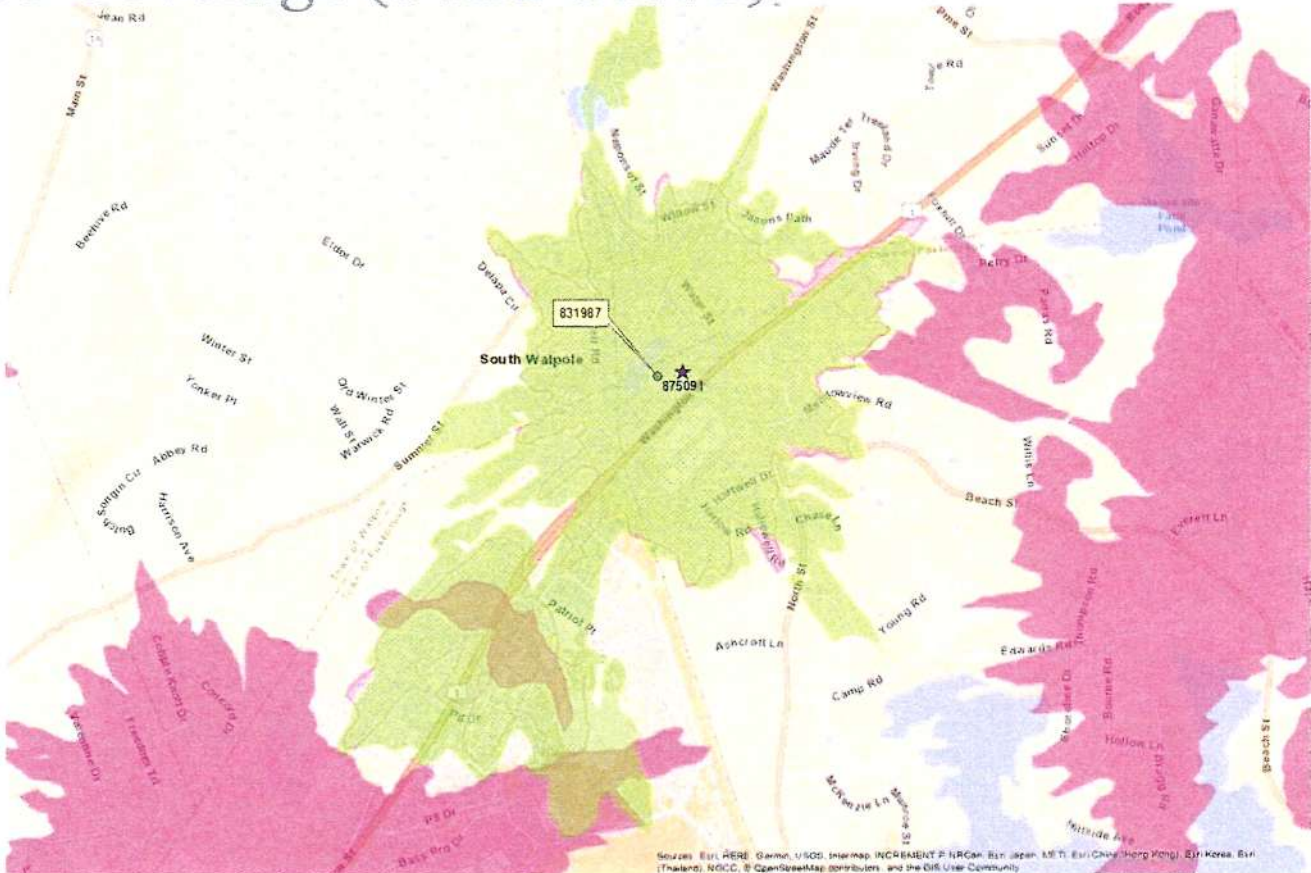
Greater bandwidth for customers located in area as new site will employ upgraded radio equipment.

Will allow for throughput per user in area to be maintained in site coverage area.

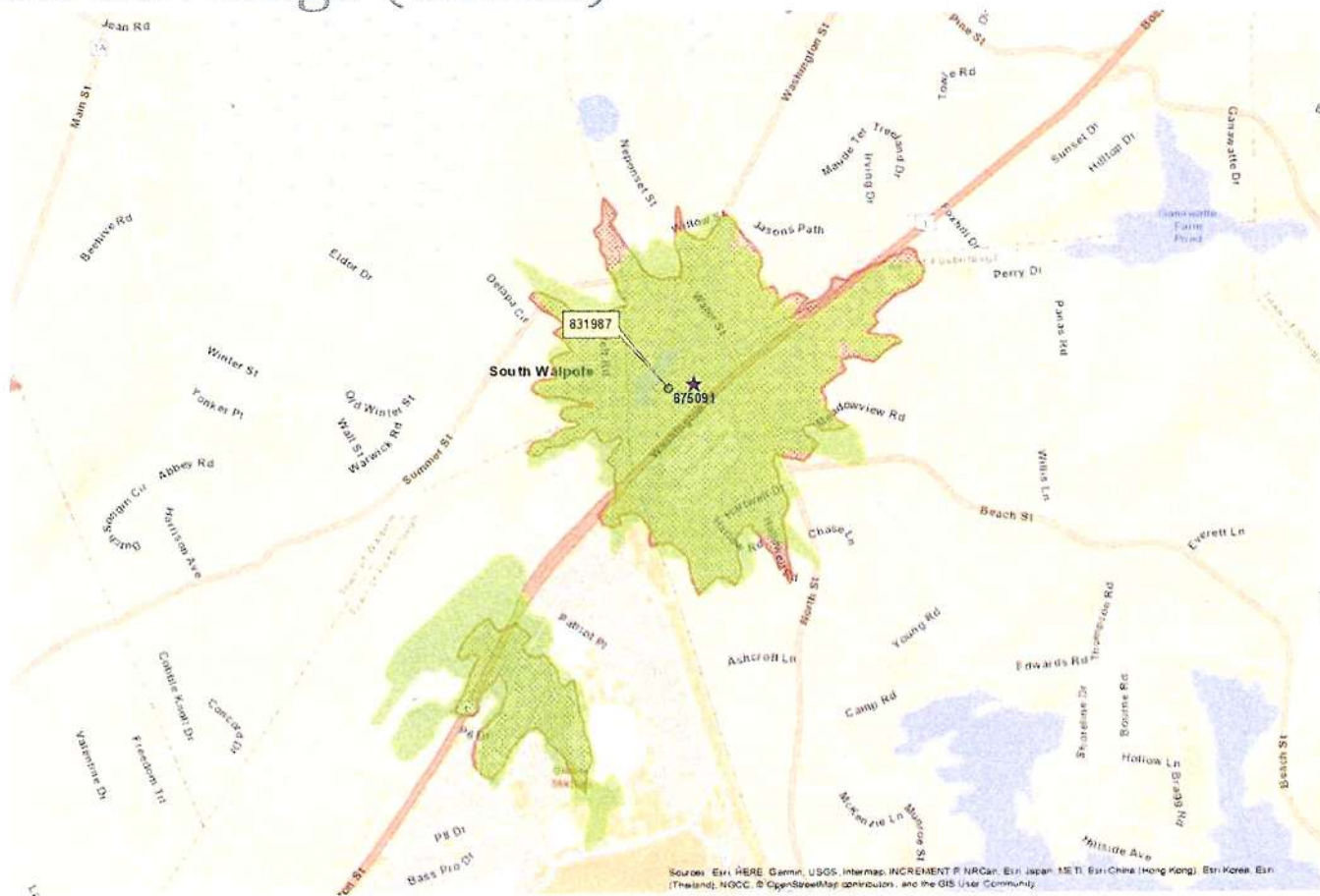
Verizon Current (Red Crosshatch) vs Proposed Coverage (Solid Green)



T-Mobile Current (Magenta Crosshatch) vs Proposed Coverage (Solid Green)



DISH Proposed Coverage (Green)



Source: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Ireland), NGCC, © OpenStreetMap contributors, and the GIS User Community



Loss of coverage without existing or proposed site



If existing site is removed and proposed site is not approved there will be a significant gap in service

This gap is represented by the unshaded area

The area shaded in red would be where continued service would remain

Thank you

For further information please contact:




Edward D. Pare, Jr.
Counselor at Law
Brown Rudnick LLP
M: 401.481.6574
F: 401.709.4990
epare@brownrudnick.com

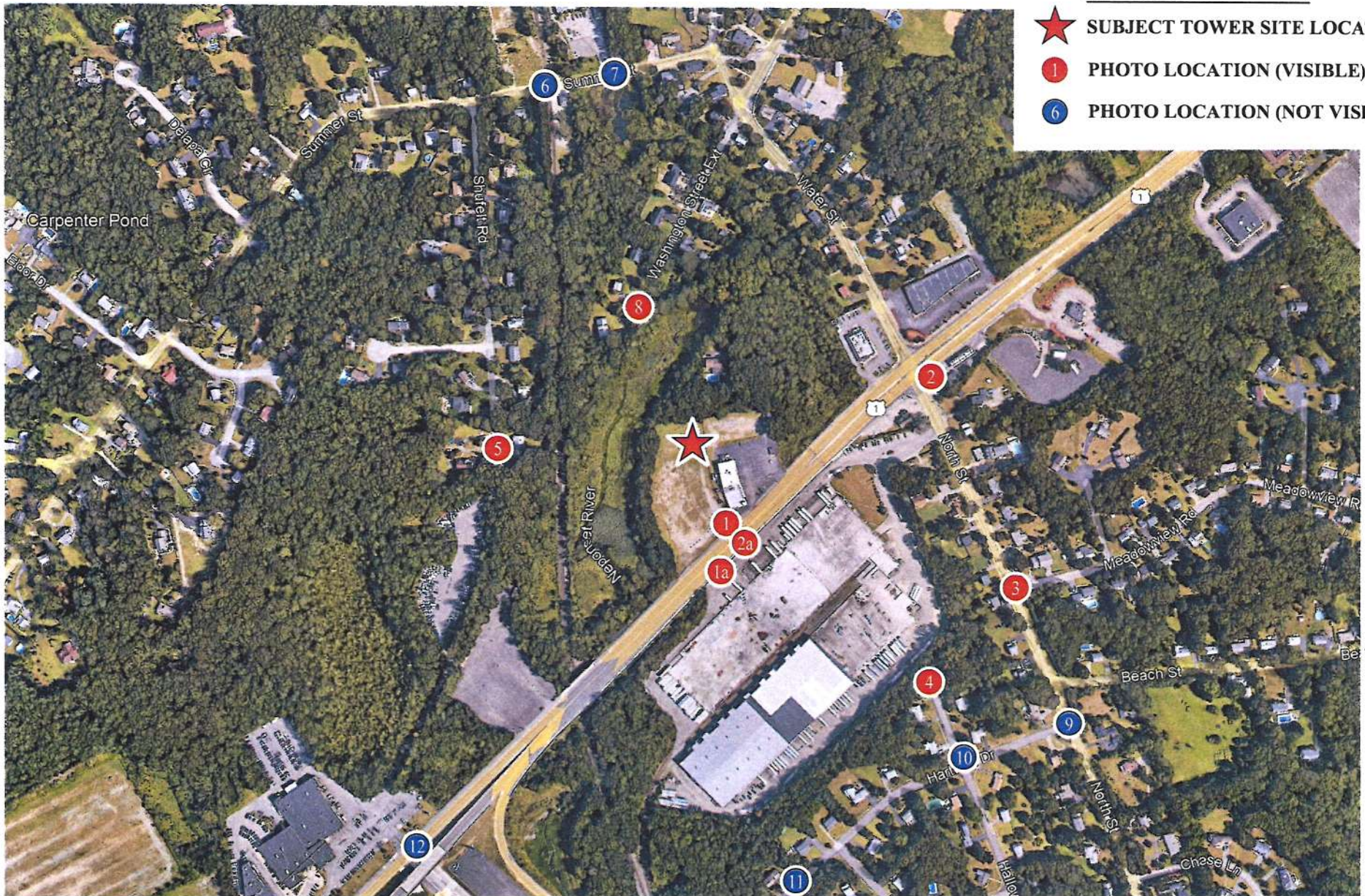
Harrison Harrell
Crown Castle
D: 724.416.9141
M: 713.305.4992
Harrison.harrell@crowncastle.com

Pascelle Saint-Laurent
Crown Castle
(518) 334 - 4645
Pascelle.Saint-Laurent@crowncastle.com

TAB #5

MAP SYMBOL LEGEND

-  SUBJECT TOWER SITE LOCATION
-  PHOTO LOCATION (VISIBLE)
-  PHOTO LOCATION (NOT VISIBLE)



APPROX. TRUE NORTH

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 Surveying - Telecommunications
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 EAST PROVIDENCE, 02914
 PH: (401) 354-2403
 FAX: (401) 633-6364

SITE NUMBER: 875091
 SITE NAME: FOXBOROUGH MA
 ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

KEY MAP OF PHOTOS

PAGE: MAP1
 DATE: 6/29/2022
 DRAWN BY: MR
 REVISION: 1



TEST BALLOON:
 BOTTOM OF BALLOON @
 102'± ABOVE GROUND LEVEL

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 FAX: (401) 633-6354

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #1
 EXISTING VIEW FROM THE SOUTH
 ON WASHINGTON STREET

PAGE: V-1E

DATE: 6/29/2022

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REVISION: 1



PROPOSED 102'
MONOPOLE

PROPOSED 100'
SQUARE FENCED
COMPOUND

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FAX: (401) 833-8354

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

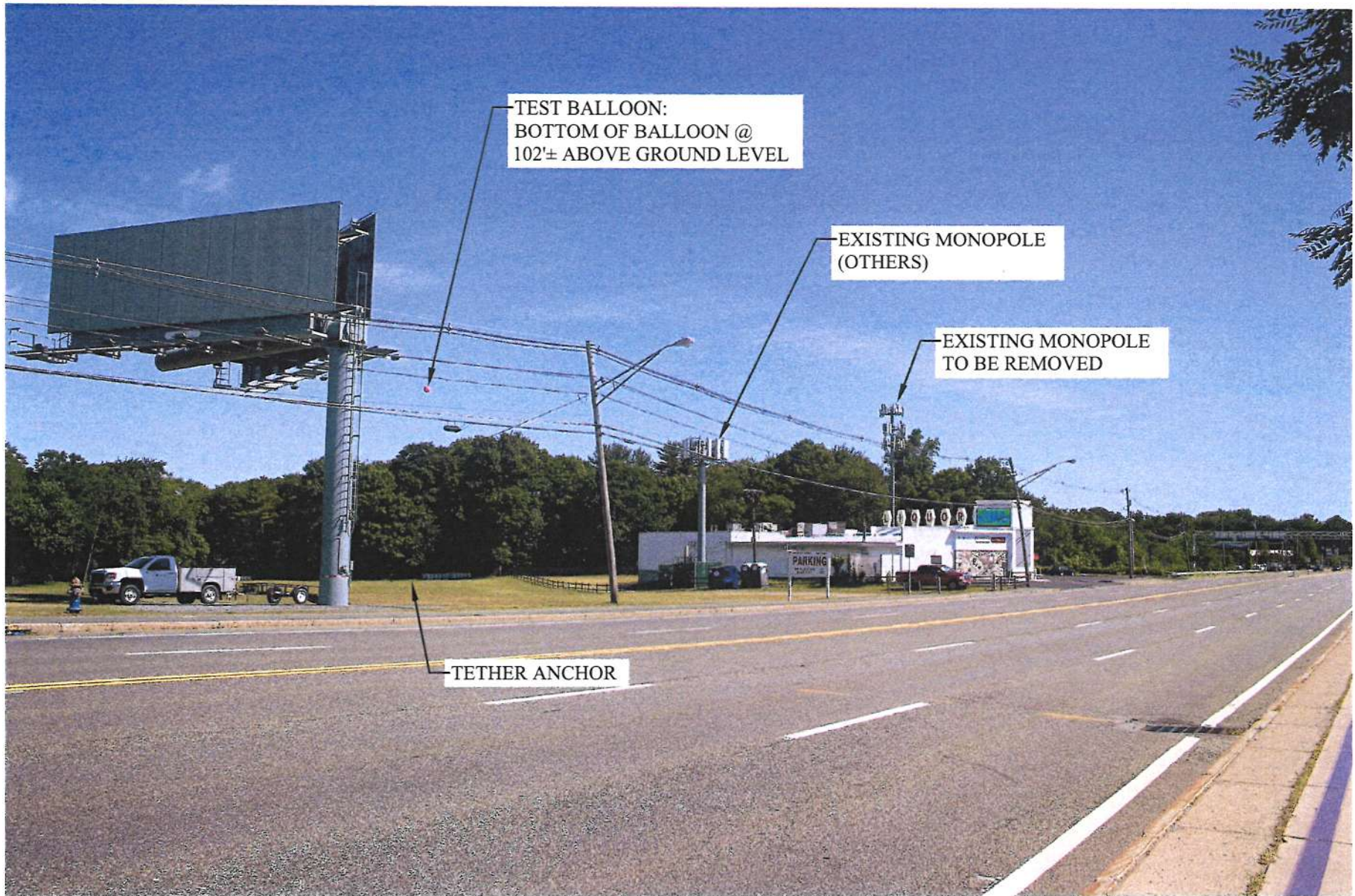
VIEW #1
PROPOSED VIEW FROM THE SOUTH
ON WASHINGTON STREET

PAGE: V-1P

DATE: 6/29/2022

DRAWN BY: MR

REVISION: 1



TEST BALLOON:
BOTTOM OF BALLOON @
102'± ABOVE GROUND LEVEL

EXISTING MONOPOLE
(OTHERS)

EXISTING MONOPOLE
TO BE REMOVED

TETHER ANCHOR

PREPARED FOR:

PREPARED BY:

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Surveying - Telecommunications
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FAX: (401) 633-6384

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ADJUSTED TOWER LOCATION

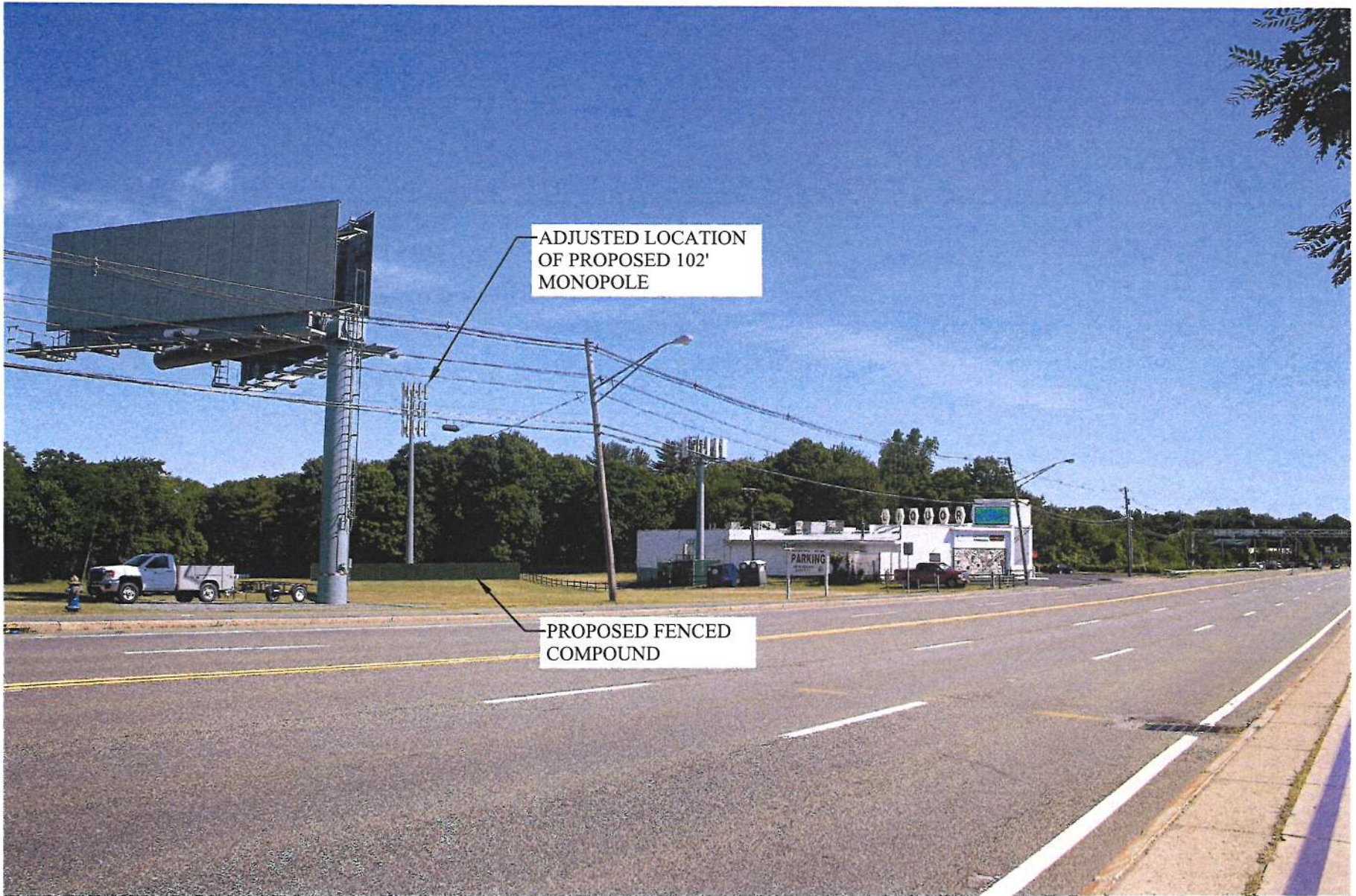
VIEW #1A
EXISTING VIEW FROM THE SOUTH
ON WASHINGTON STREET

PAGE: V-1aE

DATE: 6/29/2022

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REVISION: 1



ADJUSTED LOCATION
OF PROPOSED 102'
MONOPOLE

PROPOSED FENCED
COMPOUND

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SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ADJUSTED TOWER LOCATION

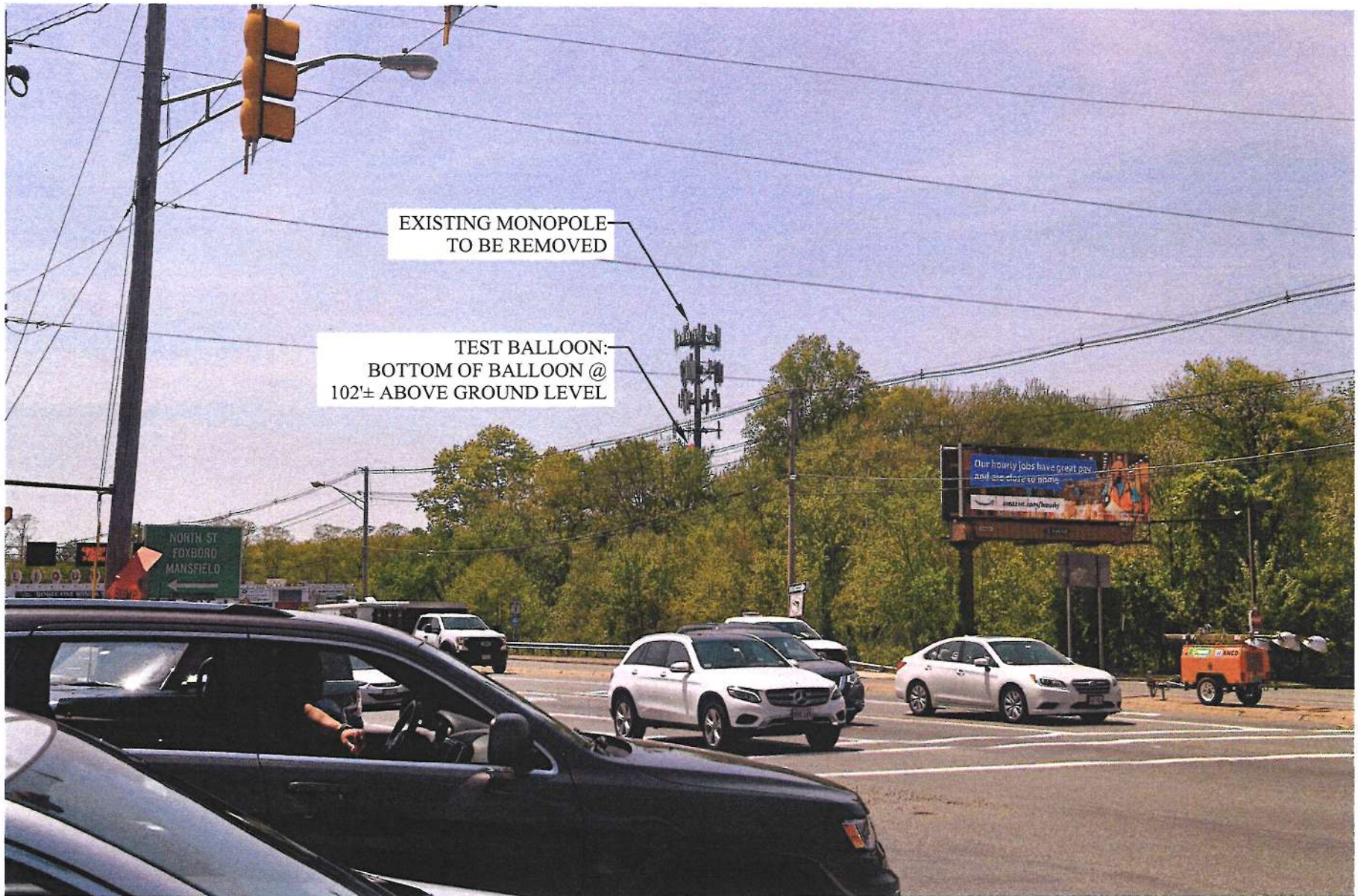
VIEW #1A
PROPOSED VIEW FROM THE SOUTH
ON WASHINGTON STREET

PAGE: V-1aP

DATE: 6/29/2022

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REVISION: 1



EXISTING MONOPOLE
TO BE REMOVED

TEST BALLOON:
BOTTOM OF BALLOON @
102± ABOVE GROUND LEVEL

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FAX: (401) 833-8364

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #2
EXISTING VIEW FROM THE EAST,
AT THE INTERSECTION OF
WASHINGTON STREET AND NORTH STREET

PAGE: V-2E

DATE: 6/29/2022

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PROPOSED 102'
MONOPOLE

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FAX: (401) 833-6364

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

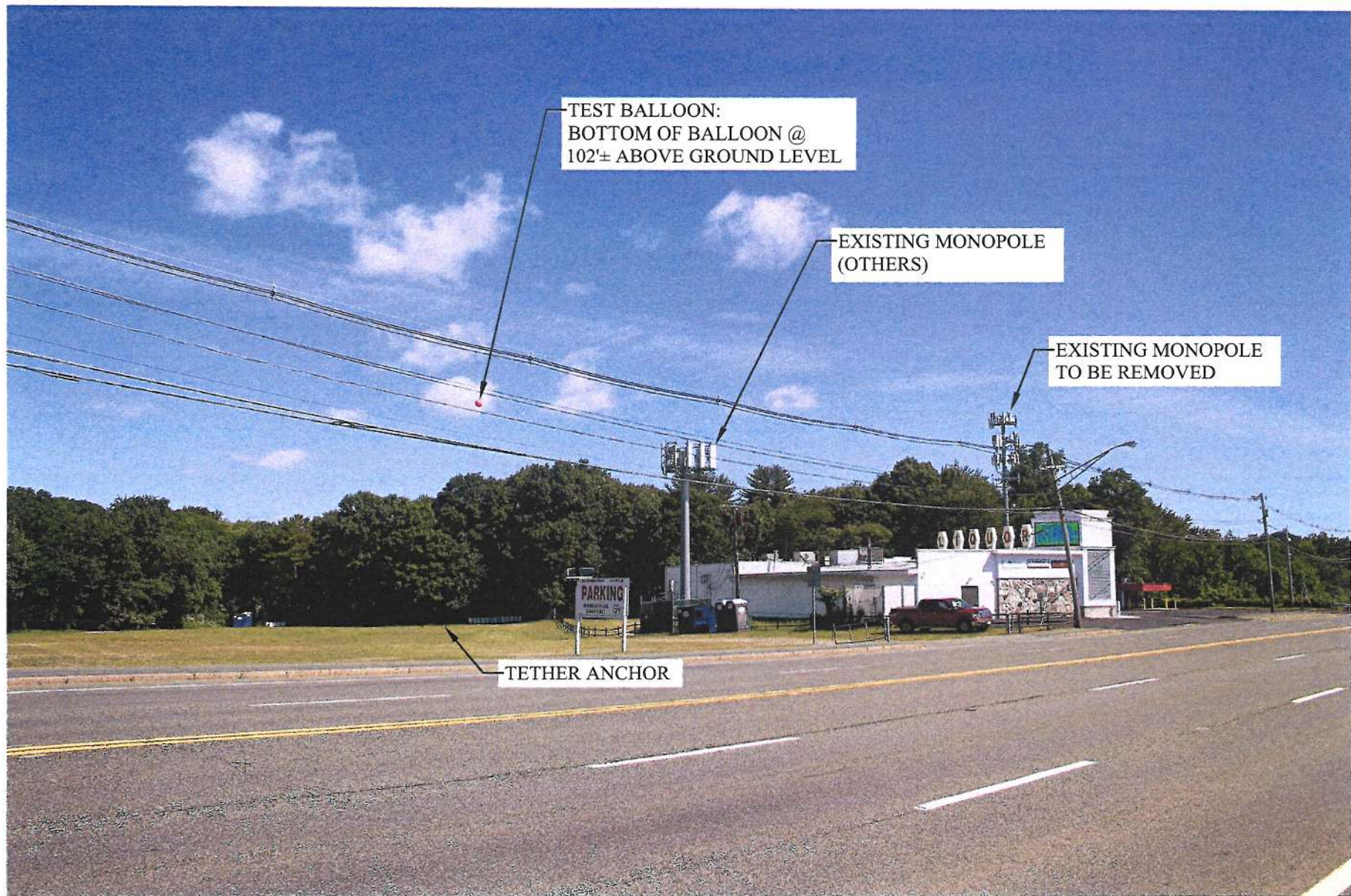
VIEW #2
PROPOSED VIEW FROM THE EAST,
AT THE INTERSECTION OF
WASHINGTON STREET AND NORTH STREET

PAGE: V-2P

DATE: 6/29/2022

DRAWN BY: MR

REVISION: 1



TEST BALLOON:
BOTTOM OF BALLOON @
102'± ABOVE GROUND LEVEL

EXISTING MONOPOLE
(OTHERS)

EXISTING MONOPOLE
TO BE REMOVED

TETHER ANCHOR

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PREPARED BY:

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Surveying - Telecommunications
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FAX: (401) 633-6364

SITE NUMBER: 875091
SITE NAME: FOXBOROUGH MA
ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ADJUSTED TOWER LOCATION

VIEW #2A
EXISTING VIEW FROM THE SOUTH
ON WASHINGTON STREET

PAGE: V-2aE

DATE: 6/29/2022

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REVISION: 1



ADJUSTED LOCATION
OF PROPOSED 102'
MONOPOLE

PROPOSED FENCED
COMPOUND

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FAX: (401) 633-6354

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ADJUSTED TOWER LOCATION

VIEW #2A
PROPOSED VIEW FROM THE SOUTH
ON WASHINGTON STREET

PAGE: V-2aP

DATE: 6/29/2022

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REVISION: 1



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 BOTTOM OF BALLOON @
 102'± ABOVE GROUND LEVEL

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 FAX: (401) 633-6364

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #3
 EXISTING VIEW FROM THE SOUTHEAST, AT
 THE INTERSECTION OF
 MEADOWVIEW ROAD AND NORTH STREET

PAGE: V-3E

DATE: 6/29/2022

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SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #3

PROPOSED VIEW FROM THE SOUTHEAST,
 AT THE INTERSECTION OF
 MEADOWVIEW ROAD AND NORTH STREET

PAGE: V-3P

DATE: 6/29/2022

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TEST BALLOON:
 BOTTOM OF BALLOON @
 102'± ABOVE GROUND LEVEL

EXISTING MONOPOLE
 TO BE REMOVED

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 FAX: (401) 633-6384

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #4
 EXISTING VIEW FROM THE SOUTHEAST, AT
 THE CUL-DE-SAC OF HALLOWELL ROAD

PAGE: V-4E

DATE: 6/29/2022

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PROPOSED 102'
MONOPOLE

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FAX: (401) 833-8384

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #4
EXISTING VIEW FROM THE SOUTHEAST,
AT THE CUL-DE-SAC OF HALLOWELL
ROAD

PAGE: V-4P

DATE: 6/29/2022

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TEST BALLOON OBSCURED BY TREES

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 Surveying - Telecommunications
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 FAX: (401) 633-6354

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #5
 EXISTING VIEW FROM THE WEST,
 ON SHUFELT ROAD

PAGE: V-5E


DATE: 6/29/2022

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REVISION: 1



TEST BALLOON WAS NOT VISIBLE FROM THIS LOCATION

<p>PREPARED FOR:</p>	<p>PREPARED BY:</p>  <p>E-ADVANCED ENGINEERING GROUP, P.C. Civil Engineering - Site Development Surveying - Telecommunications 500 NORTH BROADWAY EAST PROVIDENCE, 02814 PH: (401) 354-2403 FAX: (401) 633-6384</p>	<p>SITE NUMBER: 875091</p> <p>SITE NAME: FOXBOROUGH MA</p> <p>ADDRESS: WASHINGTON STREET FOXBOROUGH, MA 02035</p>	<p>ORIGINAL TOWER LOCATION</p> <p><u>VIEW #6</u> EXISTING VIEW FROM THE NORTH, AT THE RAILROAD CROSSING ON SUMMER STREET</p>	<p>PAGE: V-6E</p> <p>DATE: 6/29/2022</p> <p>DRAWN BY: MR</p> <p>REVISION: 1</p>
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PREPARED BY:


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 Surveying - Telecommunications
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 Fax: (401) 633-6304

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #7
 EXISTING VIEW FROM THE NORTH,
 ON SUMMER STREET

PAGE: V-7E

DATE: 6/29/2022

DRAWN BY: MR

REVISION: 1



TEST BALLOON OBSCURED BY TREES

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PREPARED BY:

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EAST PROVIDENCE, 02914
PH: (401) 354-2403
FAX: (401) 833-8354

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
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ORIGINAL TOWER LOCATION

VIEW #8
EXISTING VIEW FROM THE NORTH, ON
WASHINGTON STREET EXTENSION

PAGE: V-8E

DATE: 6/29/2022

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REVISION: 1



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PREPARED BY:


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 EAST PROVIDENCE, 02914
 PH: (401) 354-2403
 FAX: (401) 833-8384

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
 FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #9
 EXISTING VIEW FROM THE SOUTHWEST,
 AT THE INTERSECTION OF
 HARTWELL DRIVE AND NORTH STREET

PAGE: V-9E


DATE: 6/29/2022

DRAWN BY: MR

REVISION: 1



TEST BALLOON WERE NOT VISIBLE FROM THIS LOCATION

PREPARED FOR:	PREPARED BY:  EGADvanced ENGINEERING GROUP, P.C. Civil Engineering - Site Development Surveying - Telecommunications 500 NORTH BROADWAY EAST PROVIDENCE, 02914 PH: (401) 354-2403 FAX: (401) 633-6354	SITE NUMBER: 875091 SITE NAME: FOXBOROUGH MA ADDRESS: WASHINGTON STREET FOXBOROUGH, MA 02035	ORIGINAL TOWER LOCATION VIEW #10 EXISTING VIEW FROM THE SOUTHEAST, AT THE INTERSECTION OF HALLOWELL ROAD AND HARTWELL DRIVE	PAGE: V-10E DATE: 6/29/2022 DRAWN BY: MR REVISION: 1
---------------	--	---	---	---



TEST BALLOON WERE NOT VISIBLE FROM THIS LOCATION

PREPARED FOR:

PREPARED BY:

EG ADVANCED
ENGINEERING GROUP, P.C.
Civil Engineering - Site Development
Surveying - Telecommunications
500 NORTH BROADWAY
EAST PROVIDENCE, 02914
PH: (401) 354-2403
FAX: (401) 633-8354

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #11
EXISTING VIEW FROM THE SOUTH,
AT THE CUL-DE-SAC OF
HARTWELL DRIVE

PAGE: V-11E

DATE: 6/29/2022

DRAWN BY: MR

REVISION: 1



TEST BALLOON WERE NOT VISIBLE FROM THIS LOCATION

PREPARED FOR:

PREPARED BY:

ADVANCED
ENGINEERING GROUP, P.C.
Civil Engineering - Site Development
Surveying - Telecommunications
900 NORTH BROADWAY
EAST PROVIDENCE, 02914
PH: (401) 334-2403
FAX: (401) 633-6364

SITE NUMBER: 875091

SITE NAME: FOXBOROUGH MA

ADDRESS: WASHINGTON STREET
FOXBOROUGH, MA 02035

ORIGINAL TOWER LOCATION

VIEW #12

EXISTING VIEW FROM THE SOUTHWEST,
AT THE UNDERPASS AT THE INTERSECTION OF
WASHINGTON STREET AND PATRIOT PLACE

PAGE: V-12E

DATE: 6/29/2022

DRAWN BY: MR

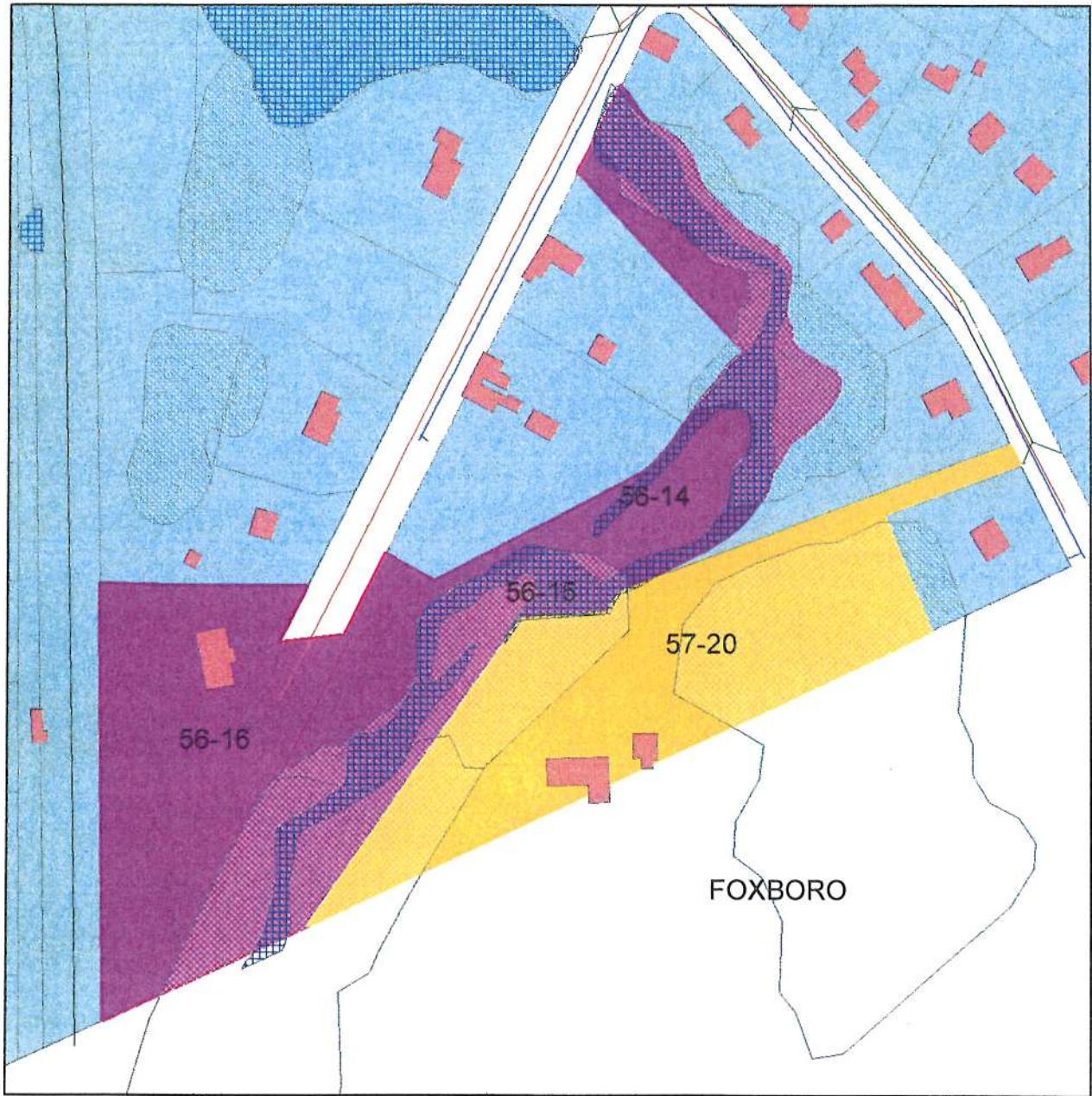
REVISION: 1

TAB #6

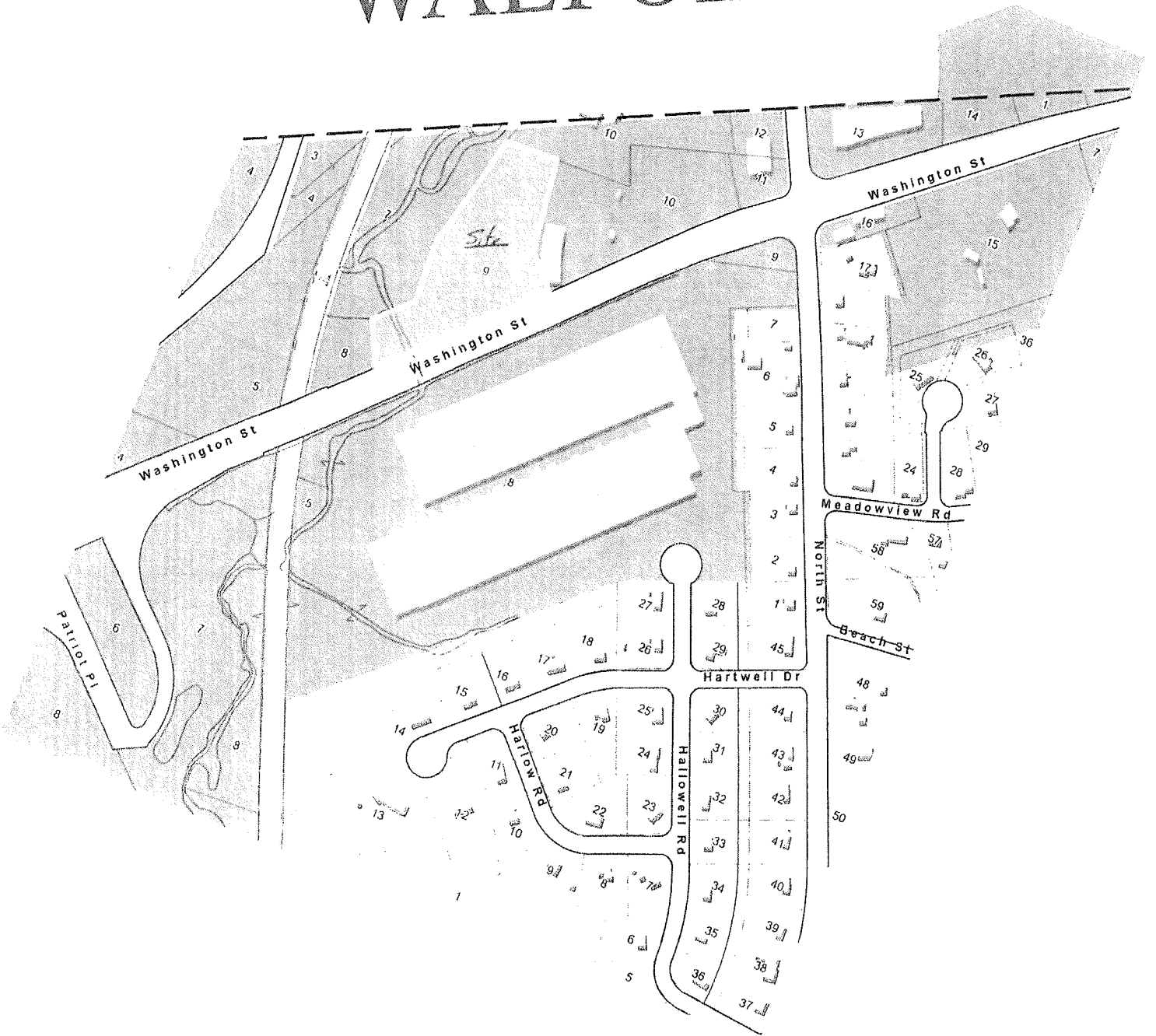
WALTON WALK



300 FT FROM WASHINGTON STREET, FOXBOROUGH MAP 004 PARCEL 009



WALPOLE



TAB #7

RECEIVED
BOARD OF ASSESSORS
JUN 21 2022
TOWN OF FOXBOROUGH



BOARD OF ASSESSORS
TOWN OF FOXBOROUGH
40 SOUTH STREET
FOXBOROUGH MASSACHUSETTS 02035

(508) 543-1215

Fax: (508) 543-6278

CERTIFICATION OF ABUTTERS

PROPERTY OWNER: LoRusso, Antonio J., Jr. et al

MAILING ADDRESS: PO Box 230, Walpole, MA 02081

PROPERTY LOCATION: 0 Washington Street

ASSESSORS MAP/PARCEL: 004-009-000-000-000

APPLICANT: Joseph A. Giammarco, Brown Rudnick LLP PHONE: 781-910-7415
10 Memorial Boulevard, Providence, Rhode Island 02903

AUTHORITY REQUESTING LIST: Zoning Board of Appeals

DATE SUBMITTED: June 15, 2022

LIST REQUESTED: 500 FT DIRECT ABUTTER
 300 FT ABUTTER TO ABUTTER
 100 FT

I, Sarah Swalley, acting as a custodian of assessment records, do hereby certify that the attached documents contain true and complete information from the most recent tax list of the Town of Foxborough, Massachusetts.

I further state that these documents include the names and addresses of

0 Washington Street Map: 004 Parcel: 009

Date: 6/21/22

BOARD OF ASSESSORS
FOXBOROUGH MASSACHUSETTS

Massachusetts General Law c. 40A, s.11, "The assessors maintaining any applicable tax list shall certify to the permit granting authority or special permit granting authority the names and addresses of parties in interest and such certification shall be conclusive for all purposes."

The Assessors Office will complete the abutters list within 7-10 business days. There is a \$25.00 fee for an abutters list.

"The applicant is solely responsible for requesting the appropriate abutters list required by the applicable Mass General Law."

0 Washington Street
Map: 004 Parcel: 009 300 Ft.
June 21, 2022

BIRD & SON INC
13155 NOEL ROAD 12TH FL
LB71
THREE GALLERIA TOWER
DALLAS, TX 75240-5090

CATAUMET REAL ESTATE
GROUP
29 WASHINGTON ST
FOXBORO, MA 02035

CONLEY JAMES M &
MARGARET
P.O. BOX 32
SOUTH WALPOLE, MA 02071

FEDERICO MARY J & DOREEN
7 JOSEPH LANE EAST
WALPOLE, MA 02032

FRA TERMINALS LLC
1 PATRIOT PLACE
FOXBORO, MA 02035

LUFKIN DORIS E & J SULLIV
604 BURKWOOD CT. E.
URBANA, IL 61801

WALPOLE





TOWN OF WALPOLE
Commonwealth of Massachusetts
Phone (508) 660-7315 Fax (508) 906-3598

Town Hall
135 School Street
Walpole, MA 02081

Board of Assessors
John R. Fisher, Chair
Richard J. Zaccaro, Clerk
Denise A. Ellis, Member

June 21, 2022

I, Dennis J. Flis, Director of Assessing for the Board of Assessors in the Town of Walpole, hereby certify that the following list of residents are the current owners of all land within 300 feet of the property lines of Washington Street, Foxborough, MA, Map 004 Parcel 009 as of January 1, 2022, for Fiscal Year 2022.

Dennis J. Flis
Director of Assessing

Attachments

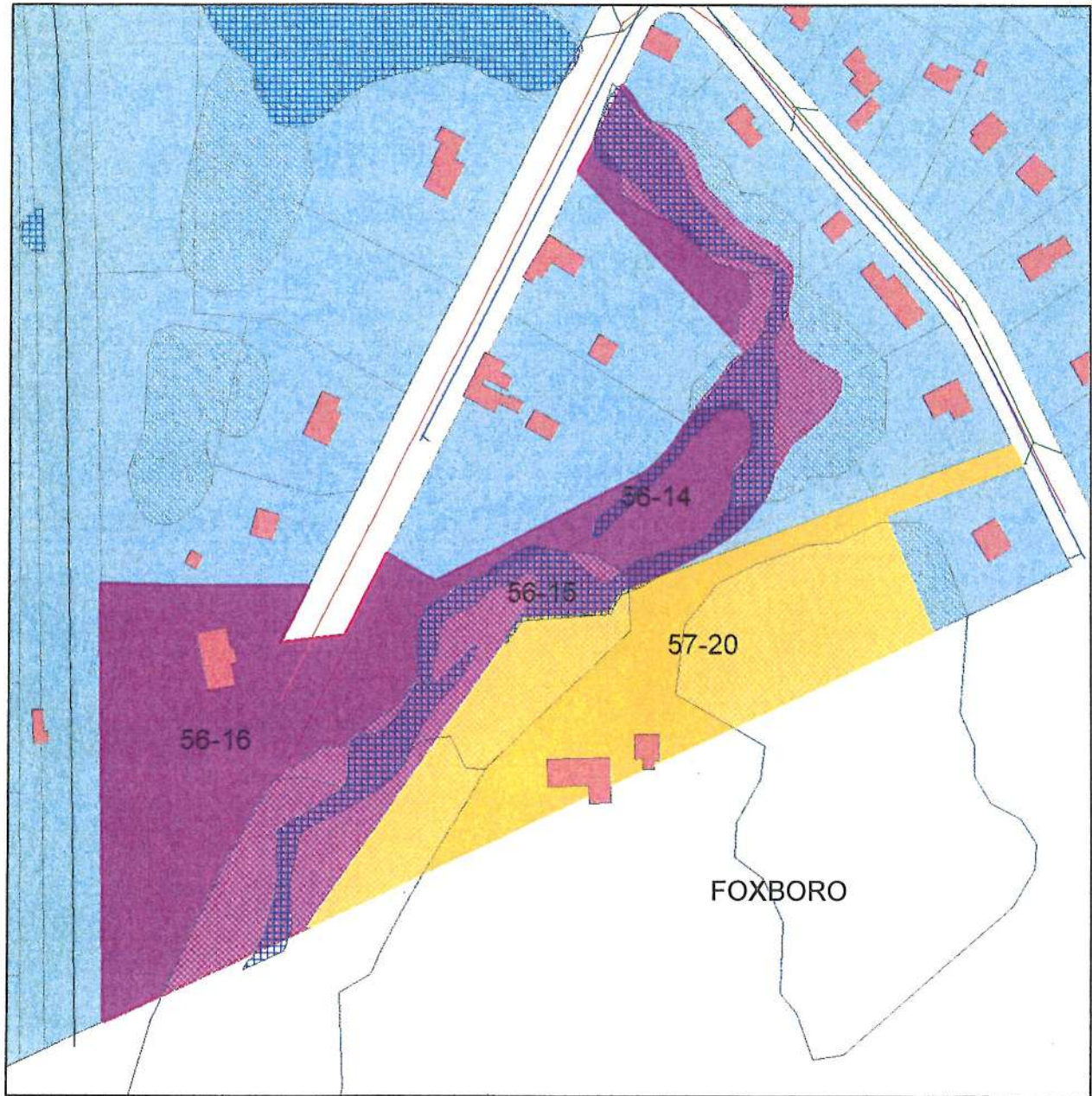
56/ 14/ / /
CERTAINTEED CORPORATION
RYAN LLC-ANDREW GROVE
13155 NOEL ROAD SUITE 100
DALLAS, TX 75240

56/ 16/ / /
GILL JOHN J JR & JANETTE M
PO. BOX 172
S WALPOLE, MA 02071

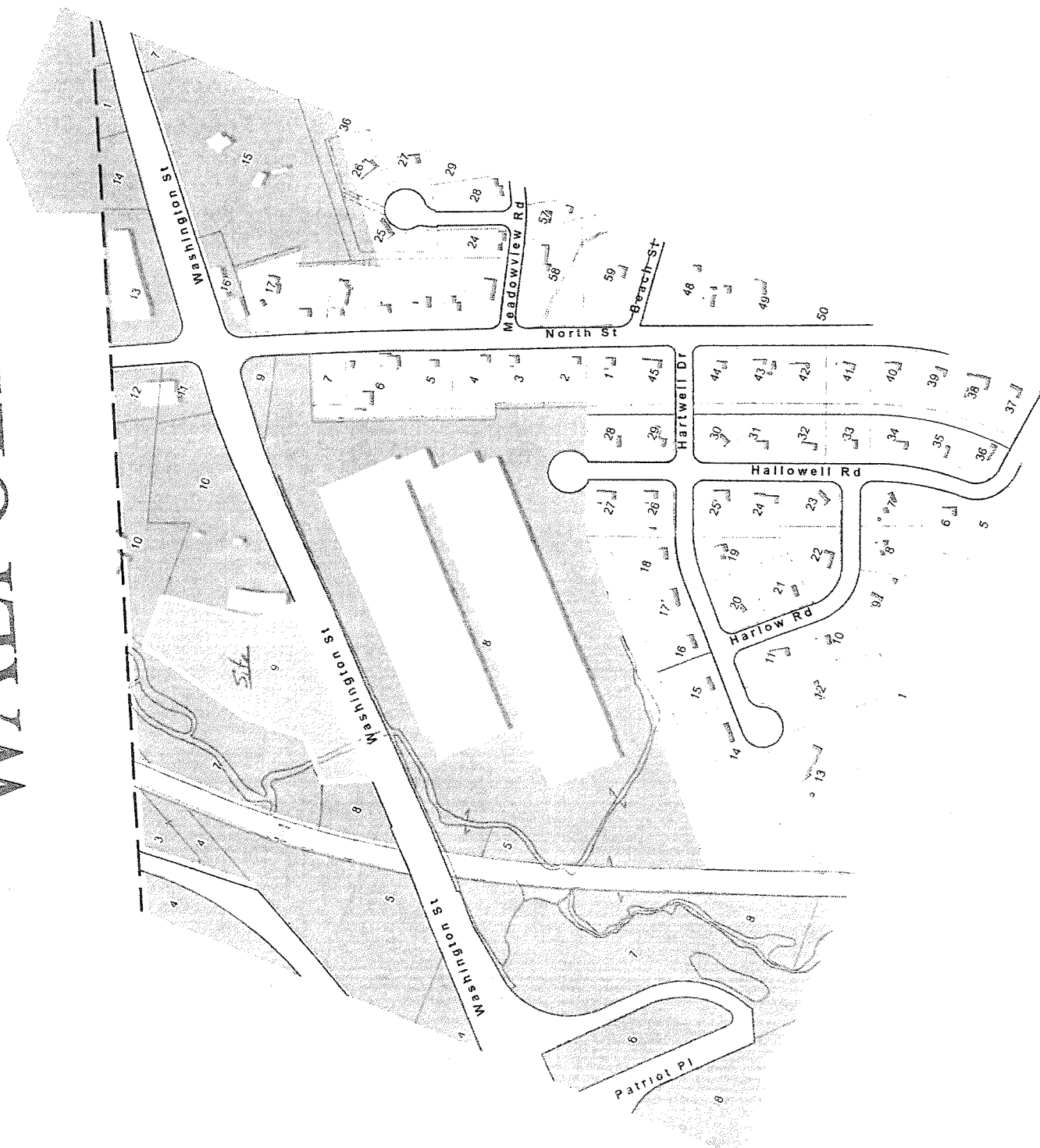
56/ 15/ / /
CERTAINTEED CORPORATION
RYAN LLC-ANDREW GROVE
13155 NOEL ROAD SUITE 100
DALLAS, TX 75240

57/ 20/ / /
CONLEY JAMES M & MARGARET
FITZGERALD CHARLENE & BRIAN L
47 WATER ST
PO BOX 32
S WALPOLE, MA 02071

300 FT FROM WASHINGTON STREET, FOXBOROUGH MAP 004 PARCEL 009



WALPOLE



TAB #8

June 21, 2022

Pascelle Saint-Laurent
Zoning Project Manager
Crown Castle Real Estate
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

RE: Tower Design Letter
Site BU 875091
Washington Street (Map 4, Lot 9)
Foxborough, MA 02035

Dear Ms. Saint-Laurent,

The proposed tower will be designed to meet the following codes/standards:

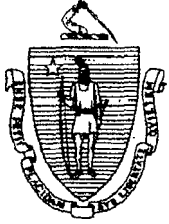
- Locally Adopted Building Code: Massachusetts State Building Code, 9th Edition (based on the 2015 International Building Code)
- Tower Industrial Standard: TIA-22-G
- Structural Classification/Risk Category II
 - (This assumes the tower will not have police/fire/rescue antennas installed. If such antennas are to be installed, Structure Class would be III)
- Topographic Category 1
- Exposure Category C
- Wind Design Parameters (TIA-222-G):
 - 110 mph (3-sec gust) w/0" ice
 - 40 mph (3-sec gust) w/1" ice
- Earthquake Parameters:
 - $S_s=0.187$
 - $S_1=0.064$

Very truly yours,

Scott N. Adams, P.E.
Advanced Engineering Group, P.C.



TAB #9



JANE SWIFT
GOVERNOR

ROBERT P. GITTENS
SECRETARY

HOWARD K. KOH, MD, MPH
COMMISSIONER

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
Radiation Control Program
174 Portland Street, 5th Floor, Boston, MA 02114
(617) 727-6214 (617) 727-2098 - Fax

**NEW POLICY REGARDING RADIOFREQUENCY FACILITY
INSTALLATION APPROVAL**

Due to personnel and budget reductions imposed upon the Radiation Control Program, we are no longer requiring notification and approval from companies that install radiofrequency antennas or facilities as outlined under 105 CMR 122.021. Companies installing radiofrequency antennas should ensure that they are meeting the FCC requirements for the installation.

A guide for local government officials (June 2, 2000) concerning the FCC requirements which complements the FCC's OET Bulletin 65, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", August 1997 is available along with Bulletin 65. To obtain this information, please contact the FCC's Office of Engineering and Technology (phone: 202-418-2464 or e-mail: rfafety@fcc.gov). Bulletin 65 can also be accessed and downloaded from the FCC's "RF Safety" website: <http://www.fcc.gov/oet/rfafety>.

Since the FCC requirements are now identical to the requirements under 105 CMR 122.021, reporting to the Massachusetts Department of Public Health is no longer necessary. The citation in the regulations will be changed during the next revision of the Radiation Control Program's regulations.

If there are any questions concerning health effects regarding radiofrequency antennas, individuals may contact the Bureau of Environmental Health Assessment of the Massachusetts Department of Public Health at 617-624-5757.

3/15/02

TAB #10

875091 FOXBOROUGH MA

WASHINGTON STREET
FOXBOROUGH, MA 02035
NORFOLK COUNTY

SITE NO: 875091



AEG PROJECT #: 2020-0171
DRAWN BY: EMH
CHECKED BY: JWH

SUBMITTALS	
REV.	DATE
0	06/02/22
ISSUED FOR REVIEW	

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FOXBOROUGH MA

WASHINGTON STREET
FOXBOROUGH, MA 02035
NORFOLK COUNTY

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

GENERAL NOTES

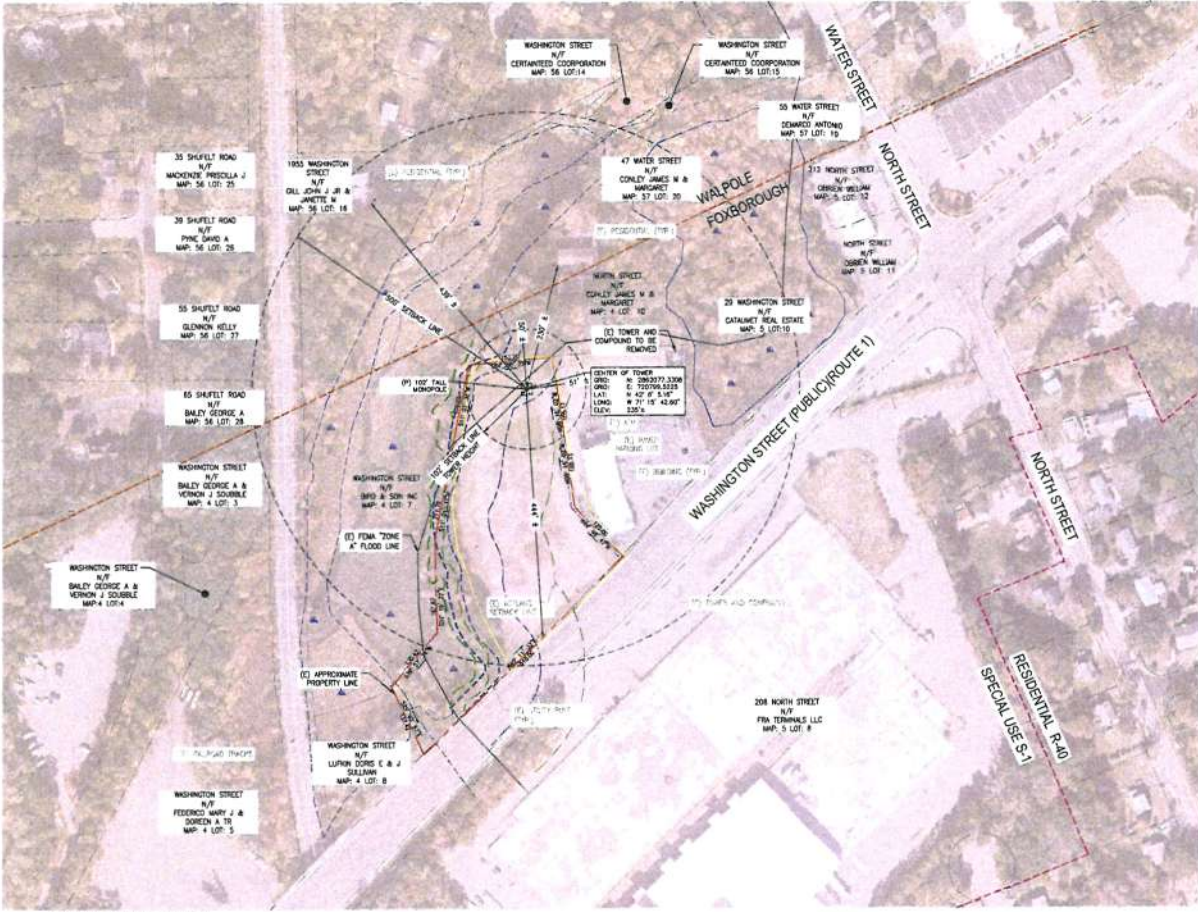
1. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.
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15. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.
16. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.
17. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.
18. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.
19. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.
20. THE CONTRACTOR SHALL VERIFY ALL NOTES AND CORRECT ANY ERRORS PRIOR TO THE START OF CONSTRUCTION.



SHEET INDEX		
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	0
C-1	OTHER PLAN	0
C-2	EXISTING CONDITION PLAN	0
A-1	PROPOSED ORTHO PLAN	0
A-2	OVERALL SITE PLAN AND ELEVATION	0
A-3	COMPOUND PLAN AND ERSON CONTROL PLAN	0
D-1	DETAILS	0

PROJECT SUMMARY	
SITE NUMBER:	875091
SITE NAME:	FOXBOROUGH MA
SITE ADDRESS:	WASHINGTON STREET FOXBOROUGH, MA 02035
ASSESSOR'S PARCEL NO.:	MAP: 4 LOT: 9
CONSTRUCTION TYPE:	NSB
PROPERTY OWNER:	LORUSSO ANTONIO J JR ET AL P.O. BOX 230 WALPOLE, MA 02081
APPLICANT, LESSEE/LICENSEE, PROJECT OWNER:	CROWN CASTLE 3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
TOWER TYPE:	MONOPOLE
TOWER HEIGHT:	102'±

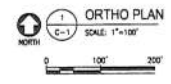
DO NOT SCALE DRAWINGS
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



ZONING SUMMARY TABLE

ZONING DISTRICT: SPECIAL USE, S-1		
ASSESSORS ID: MAP: 4 LOT: 9		
PROPOSED USE: WIRELESS COMMUNICATION FACILITY		
DIMENSION:	REQUIRED MINIMUM	PROVIDED
FRONT YARD SETBACK*	50 FT	338.4 FT
SIDE YARD SETBACK*	25 FT	56.4 FT
REAR YARD SETBACK*	50 FT	55.8 FT
FRONTAGE	300 FT	510.6 FT
AREA	60,000 SQ. FT. (1.37 ACRES)	140,857 SQ. FT. (3.22 ACRES)
MAXIMUM MONOPOLE HEIGHT	120 FT MAX.	182.8 FT

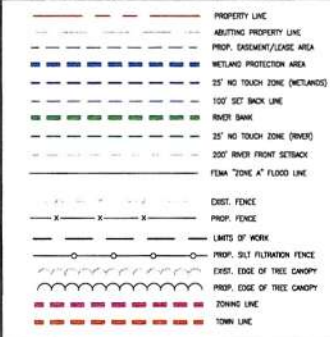
* DIMENSIONS MEASURED FROM PROPOSED MONOPOLE TO THE NEAREST PROPERTY LINE



GENERAL NOTES:

1. FIELD SURVEY DATE: 05/17/22
2. VERTICAL DATUM: NAVD 88
3. HORIZONTAL DATUM: NAD 83
4. CENTER OF PROPOSED TOWER: N 42° 04' 03.14" W 31' 15" 42.60"
5. PROPERTY OWNER: LORISIO ANTONIO J JR ET AL P.O. BOX 230 WALPOLE, MA 02081
6. SITE NUMBER: 876291
7. SITE ADDRESS: WASHINGTON STREET FOXBOROUGH, MA 02035
8. APPLICANT: CROWN CASTLE 2 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 10523
9. JURISDICTION: TOWN OF FOXBOROUGH
10. TAX ID: MAP: 4 PLAT: 8
11. DEED REFERENCE: DEED BOOK: 7000 PAGE: 637
12. PLAN REFERENCE: PLAN BOOK: 345 PAGE: 1
13. ZONING JURISDICTION: S-1, SPECIAL USE
14. LAND AREA: 145,857.28 SF (3.32 ACRES)
15. ALL UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY DIGGATION ACTIVITY: GAS SAFE SYSTEM (MA, ME, NH, RI, VT): 1-888-344-7333 CALL BEFORE YOU DIG (CT): 1-800-955-4455
16. PROPERTY LINE INFORMATION IS COMPILED FROM A PARTIAL FIELD SURVEY AND IS SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE A FULL BOUNDARY SURVEY WAS NOT PERFORMED.
17. THE PURPOSE OF THIS SURVEY IS TO SUPPORT THE DESIGN AND CONSTRUCTION OF A TELECOMMUNICATION FACILITY. USE OF THIS SURVEY BY ANYONE OTHER THAN ANTONIO TOWER ADVERT, LLC AND USE OF THIS SURVEY FOR ANY PURPOSE NOT RELATED TO THE DESIGN OF THE INTENDED FACILITY IS STRICTLY PROHIBITED.
18. BEARING SYSTEM OF THIS PLAN IS BASED ON TRUE NORTH. TRUE NORTH WAS ESTABLISHED FROM GPS READINGS ON 05/17/22
19. 100 YEAR FLOOD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP - TOWN OF FOXBOROUGH MA - BRISTOL COUNTY - COMMUNITY NUMBER: 2021033326, MAP REVISED: JULY 17, 2012.
20. METERS WERE OBSERVED WITHIN 10% OF THE LIMIT OF WORK AND SHOWN ON THE PLAN. SITE WAS HELD BY EGDORSTEN SOLUTIONS INC. ON MAY 18, 2022.
21. IN THE EVENT THAT BENCHMARKS IDENTIFIED ESTABLISHED FOR THIS PROJECT AND PUBLISHED ON THIS SURVEY ARE DESTROYED, NOT RECOVERABLE OR A DISCREPANCY IS FOUND, THE USER SHOULD NOTIFY THIS FIRM IN WRITING PRIOR TO COMMENCING OR CONTINUING ANY WORK.
22. THE PROPERTY LINES SHOWN ON THIS PLAN ARE THE LINES SHOWING EXISTING OWNERSHIPS, AND THE LINES OF STREETS AND WAYS SHOWN ARE TRACES OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED, AND NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN.

LEGEND



REG PROJECT # 2020-0171

DRAWN BY: EJM
CHECKED BY: JWH

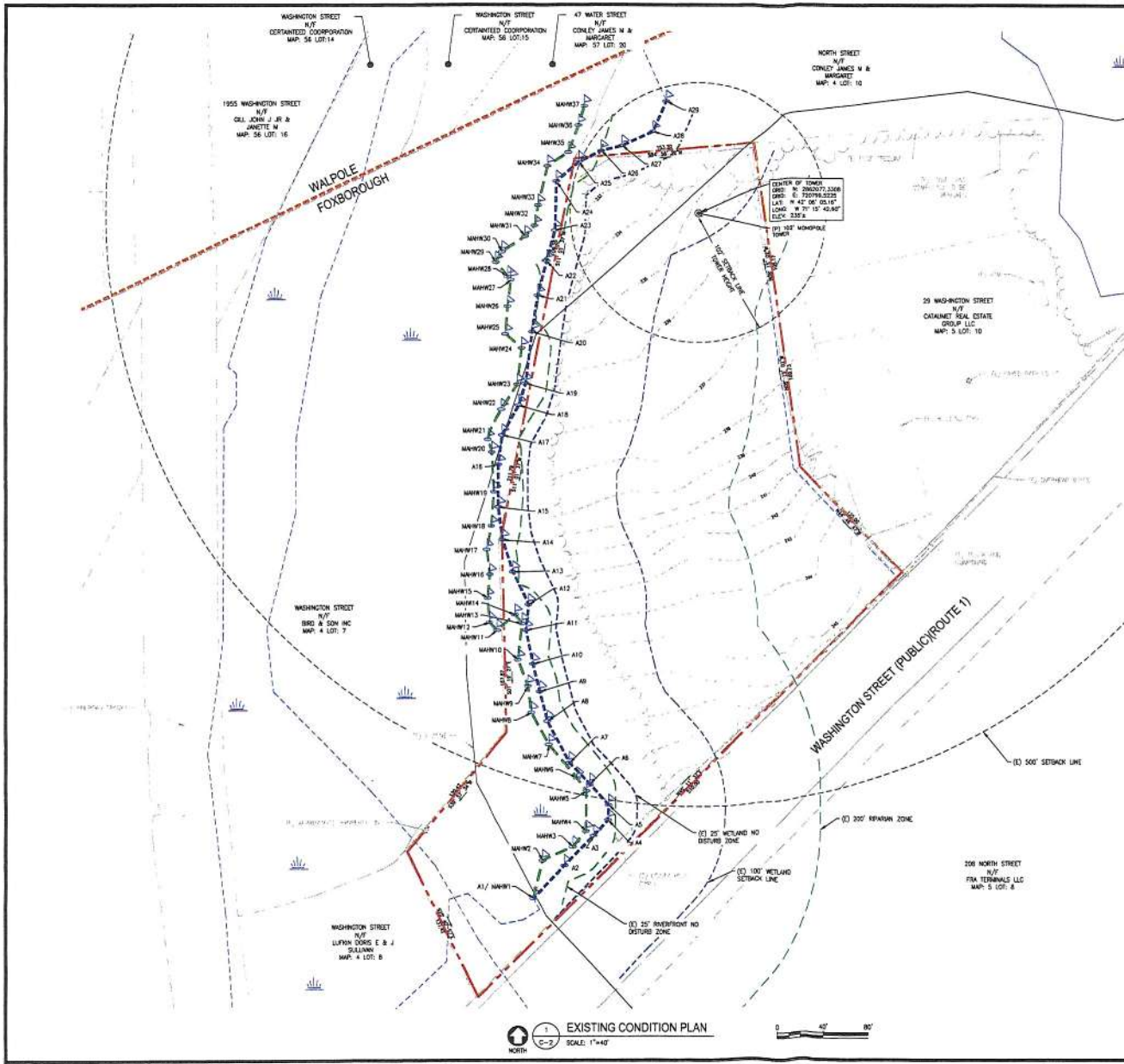
SUBMITTALS		
REV#	DATE	DESCRIPTION
0	06/02/22	ISSUED FOR REVIEW

THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF VERTEX TOWER, ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY CONDEMNOR ADDRESSES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.

FOXBOROUGH MA
WASHINGTON STREET
FOXBOROUGH, MA 02035
NORFOLK COUNTY

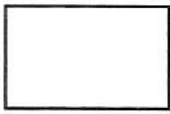
SHEET TITLE
ORTHO PLAN

SHEET NUMBER
C-1



LEGEND

	PROPERTY LINE
	ABUTTING PROPERTY LINE
	PROP. EASEMENT/LEASE AREA
	WETLAND PROTECTION AREA
	25' NO TOUCH ZONE (WETLANDS)
	100' SET BACK LINE
	RIVER BANK
	25' NO TOUCH ZONE (RIVER)
	200' RIVER FRONT SETBACK
	FEMA "ZONE A" FLOOD LINE
	EXIST. FENCE
	PROP. FENCE
	LIMITS OF WORK
	PROP. SELF FILTRATION FENCE
	EXIST. EDGE OF TREE CANOPY
	PROP. EDGE OF TREE CANOPY
	ZONING LINE
	TOWN LINE



EAG ADVANCED ENGINEERING GROUP, P.C.
 Civil Engineers & Surveyors
 200 Washington Street
 Foxborough, MA 01935
 Tel: 508-548-8800
 Fax: 508-548-8801



AEG PROJECT #: 2020-0171

DRAWN BY: EMM

CHECKED BY: JWH

SUBMITTALS

REV#	DATE	DESCRIPTION
0	04/02/22	ISSUED FOR REVIEW

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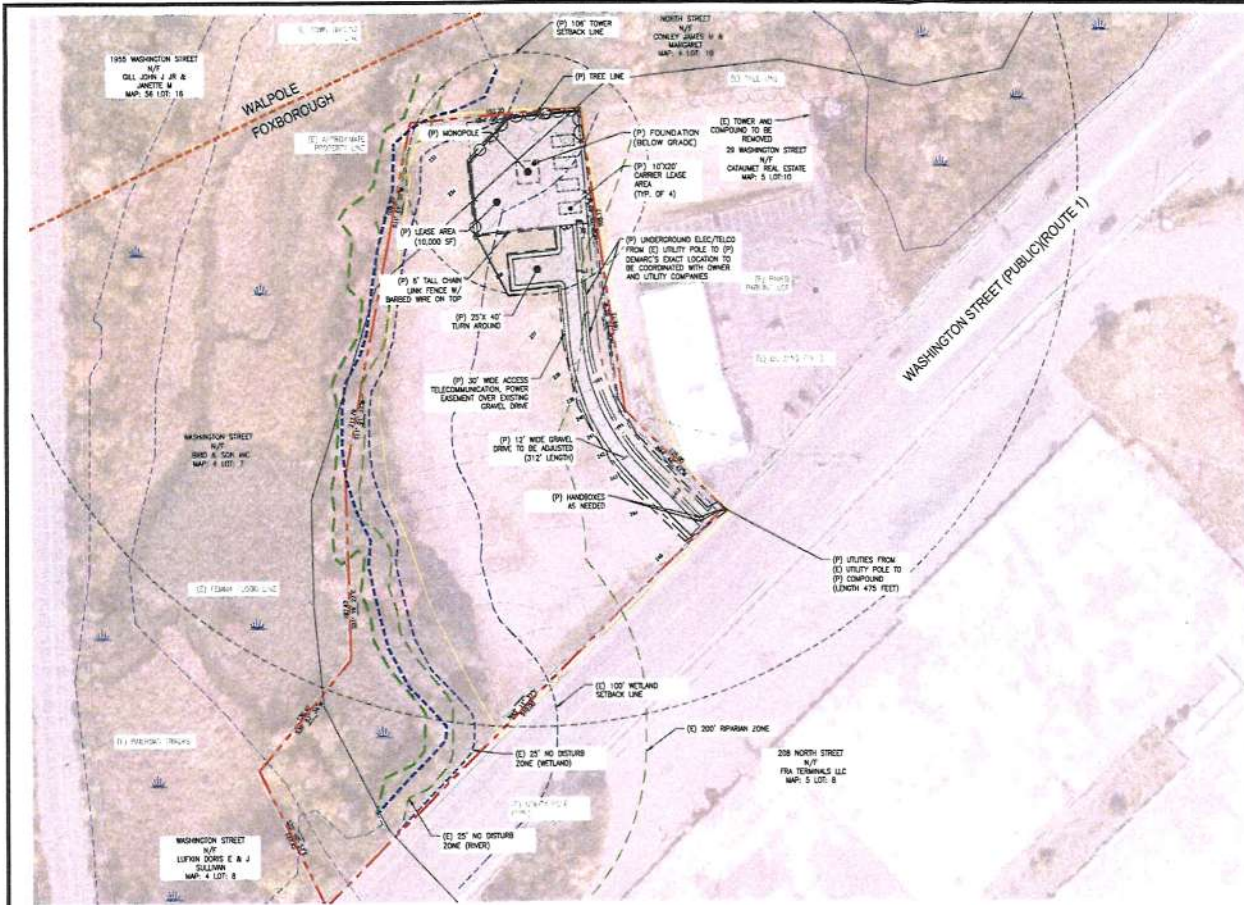
FOXBOROUGH MA
 WASHINGTON STREET
 FOXBOROUGH, MA 02035
 NORFOLK COUNTY

SHEET TITLE
 EXISTING CONDITION PLAN

SHEET NUMBER
C-2

EXISTING CONDITION PLAN
 SCALE: 1"=40'





LEGEND

	PROPERTY LINE
	ABUTTING PROPERTY LINE
	PROP. EASEMENT/LEASE AREA
	WETLAND PROTECTION AREA
	25' NO TOUCH ZONE (WETLANDS)
	100' SET BACK LINE
	RIVER BANK
	25' NO TOUCH ZONE (RIVER)
	200' RIVER FRONT SETBACK
	FEMA "ZONE A" FLOOD LINE
	EXIST. FENCE
	PROP. FENCE
	LIMITS OF WORK
	PROP. SILT FILTRATION FENCE
	EXIST. EDGE OF TREE CANOPY
	PROP. EDGE OF TREE CANOPY
	ZONING LINE
	TOWN LINE

PROPOSED OTHRO PLAN
 SCALE: 1"=100'



AEG PROJECT #: 2020-0171

DRAWN BY: EWM

CHECKED BY: JWH

SUBMITTALS

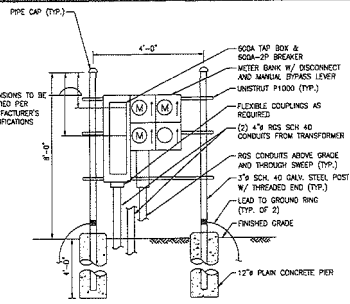
REV#	DATE	DESCRIPTION
0	06/02/22	ISSUED FOR REVIEW

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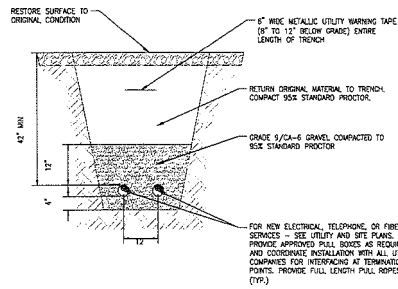
FOXBOROUGH MA
 WASHINGTON STREET
 FOXBOROUGH, MA 02035
 NORFOLK COUNTY

SHEET TITLE
PROPOSED OTHRO PLAN

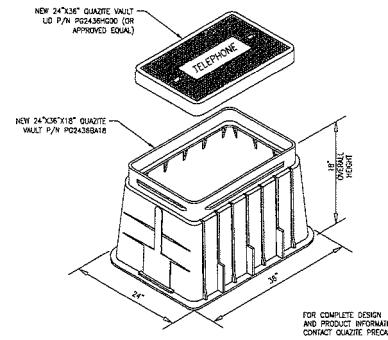
SHEET NUMBER
A-1



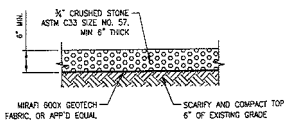
1 METER BOARD DETAIL
SCALE: N.T.S.



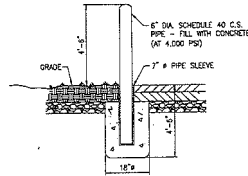
2 TRENCH DETAIL AT ACCESS CROSSING
SCALE: N.T.S.



3 TELCO HANDHOLE ISOMETRIC
SCALE: N.T.S.

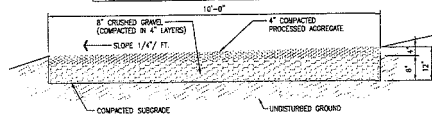


4 GRAVEL COMPOUND DETAIL
SCALE: N.T.S.

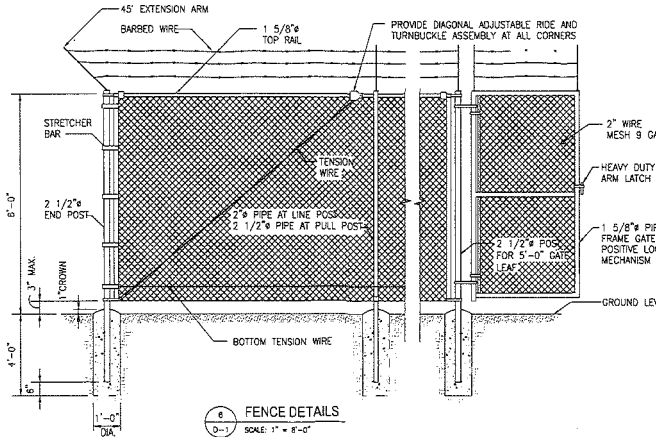


5 BOLLARD DETAIL
SCALE: N.T.S.

CRUSHED GRAVEL		PROCESSED AGGREGATE	
SEIVE	% PASSING BY WEIGHT	SEIVE	% PASSING BY WEIGHT
5"	100	2 1/4"	100
3 1/2"	90-100	1 3/4"	95-100
1 1/2"	55-65	3/4"	50-75
1/4"	25-60	1/4"	25-45
1/10"	15-45	#40	5-20
#40	5-25	#100	2-12
#100	0-10		
#200	0-5		



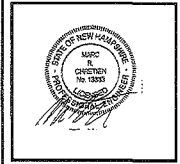
7 GRAVEL ACCESS CROSS SECTION
SCALE: 1/2"=1'-0"
0 1'-0" 2'-0" 4'-0" 6'-0"



6 FENCE DETAILS
SCALE: 1" = 8'-0"

FENCE NOTES:

- INSTALL FENCING PER ASTM F-567, SWING GATE PER ASTM F-900.
- ALL END POSTS, LINE POSTS, PULL POSTS, POSTS FOR GATE LEAF, PIPES FOR GATE FRAME AND TOP RAILS SHALL BE SCHEDULE 40 PIPE PER ASTM F-1083.
- FABRIC SHALL BE 12 GA. CORE WIRE SIZE 2" MESH CONFORMING TO ASTM A-392.
- TENSION WIRE SHALL BE 7 GA. GALV. STEEL.
- THE WIRE SHALL BE 11 GA. GALV. STEEL (MIN.) AT POSTS AND RAILS. A SINGLE WRAP FABRIC TIE AT TENSION WIRE BY HOG RINGS SPACED MAX. OF 24" INTERVALS.
- BARBED WIRE SHALL BE DOUBLE STRAND 12 1/2" O.D. TWISTED WIRE TO MATCH W/FABRIC 14 GA., 4 PT. BARBS SPACES AT APPROXIMATELY 5" O.C.
- COMPLY WITH LOCAL ORDINANCES OF BARBED WIRE PERMIT REQUIREMENTS, IF REQUIRED.
- STEEL FENCE SYSTEM SHALL INCLUDE THE FENCE POSTS, FABRIC, GATE SYSTEM AND ALL NECESSARY ERECTION ACCESSORIES, FITTINGS AND FASTENINGS. ALL FENCE SYSTEM COMPONENTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153. GATES SHALL BE SWING GATES WITH 5'-0" LEAF. REFER TO TYPICAL FENCE DETAIL FOR ADDITIONAL INFORMATION. INSTALL FENCE AFTER CONCRETE HAS ATTAINED 75% OF 28 DAY DESIGN STRENGTH.
- SCREENING SLATS SHALL BE INSTALLED ON PROPOSED FENCING (COLOR: GREEN OR AS DET'S BY PROJECT OWNER)



AEG PROJECT #: 2020-0171

DRAWN BY: EJM

CHECKED BY: JWH

SUBMITTALS

REV	DATE	DESCRIPTION
0	06/02/22	ISSUED FOR REVIEW

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FOXBOROUGH MA
WASHINGTON STREET
FOXBOROUGH, MA 02035
NORFOLK COUNTY

SHEET TITLE
DETAILS

SHEET NUMBER
D-1

TAB #11

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1044

BROWN RUDNICK LLP
1 FINANCIAL CENTER FL 19
BOSTON, MA 02111

DATE 7/1/2022

21-13/830

PAY TO THE ORDER OF Town of Falmouth \$ 1,500.00

One thousand Five Hundred and 00/100 DOLLARS

 Security Features
Included.
Details on Back.

CHASE
JPMorgan Chase Bank, N.A.
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