TOWN OF PITTSFORD
ZONING BOARD OF APPEALS
AGENDA
November 21, 2022
7:00 PM

APPLICATION FOR AN AREA VARIANCE

- 79 W Bloomfield Road, Tax # 178.03-1-58, Applicant is requesting relief from Code Section 185-126C(3)(b)[2] to allow for construction of a 105' stealth tree telecommunications facility and accompanying ground equipment where code allows for a maximum of 100'. This property is zoned Residential Neighborhood – (RN).

TOWN OF PITTSFORD
ZONING BOARD OF APPEALS
DRAFT MINUTES
October 17, 2022

PRESENT
George Dounce, Chairperson; Barbara Servé, Vice Chair; James Pergolizzi, Phil Castleberry

ALSO PRESENT
Kate Munzinger, Town Board liaison; Bill Zink, Building Inspector; Susan Donnelly, Secretary to the Board

ABSENT
Mary Ellen Spennacchio-Wagner, Tom Kidera, Jennifer Iacobucci

Proceedings of a regular meeting of the Pittsford Zoning Board of Appeals were held on Monday, October 17, 2022, at 7:00 PM local time.

George Dounce, Chairperson called the regularly scheduled meeting of the Zoning Board of Appeals to order at 7:00 PM.

The applications before the Board this evening are Type II Actions under 6-NYCRR §617.5 (c) and, therefore, are not subject to Environmental Review under SEQRA. The applications are exempt from review by the Monroe County Planning Department based on an agreement with Monroe County dated October 7, 2008.

PUBLIC HEARINGS FOR AN AREA VARIANCE - NEW

- 38 Old Farm Circle, Tax # 164.19-2-40, Applicant is requesting relief from Town Code §185-113 B. (1) for a proposed oversized accessory structure, pavilion. This property is zoned Residential Neighborhood – (RN).

  George Dounce opened the public hearing.

  The homeowner, Chelsea Madden, was present.

  The project is to construct a pavilion on the north side of the property. The applicant submitted to the Board letters of support from neighbors.

  There was no public comment.

  Barbara Servé moved to close the public hearing.

  Jim Pergolizzi seconded.

  All Ayes.

- Lehigh Station Road Subdivision, Tax # 177.01-2-8.1, Applicant is requesting relief from Code Section 185-120 A, to allow for a front setback less than what is required for Lots 1, 3, & 4; Code Section 185-121 A, to allow for fencing taller than what is required along road frontage for Lots 1, 3, & 4; Code Section 185-17 I, to allow for a rear buffer less than what is required for Lots 1 & 2. This property is zoned Residential Neighborhood – (RN).

  George Dounce opened the public hearing.

  Fred Shelley of BME Associates was present. Kody Young was also present.

  Mr. Shelley indicated that preliminary subdivision approval has been received for three new homes on the property. The setback variances are to provide consistency with other homes in the area. The fence variance will provide for code allowance for any future inground pool construction.

  The Board had no further comment.

  Sean Fallon of 2511 Lehigh Station Road expressed concerns about any proposed fencing which would limit visibility on the street. Doug DeRue indicated that this will be addressed in the Planning Board approval process. Restrictions will be noted on the subdivision plans.

  Phil Castleberry moved to close the public hearing.

  Jim Pergolizzi seconded.

  All Ayes.

- 1 Morningside Park, Tax # 191.01-1-7, Applicant is requesting relief from Town Code §185 – 33.5 B. (3) for a proposed garage addition encroaching into the front setback. Property is zoned Rural Residential South Pittsford – (RRSP).

  George Dounce opened the public hearing.

  Jeff Kline of Oaks Construction was present.

  The project entails adding an additional bay to the garage. The siding and windows will match the existing.

  A letter of support has been received from the neighbor.

  The timeframe is to complete by December 2023.

  There were no questions from the Board.

  There was no public comment.

  Phil Castleberry moved to close the public hearing.

  Barbara Servé seconded.

- 165 French Road, Tax # 151.13-1-8, Applicant is requesting relief from Town Code §185 - 17 E and §185 - 113 B. (3), for a proposed garden shed located less than the required minimum side setback and forward of the rear wall of the house. This property is zoned Residential Neighborhood – (RN).

  George Dounce opened the public hearing.

  The homeowner, Meghan Crough, was present.

  The project will not be started until next spring 2023.

  The neighbors are in agreement with the project.

  There was no public comment

  There was no further discussion from the Board.

  George Dounce moved to close the public hearing.

  Phil Castleberry seconded.

  All Ayes.

- 37 Devonwood Lane, Tax # 164.17-2-12, Applicant is requesting relief from Town Code §185- 113 B. (1), (2) for a proposed oversized and over height accessory structure, multiuse structure. Property is zoned RN - Residential Neighborhood.

  George Dounce opened the public hearing.

  Mike Volpe of Josh Landscaping was present to act as agent for the homeowner.

  Mr. Volpe clarified that they are not requesting a variance for height.

  The timeframe is Spring of 2023.

  There were no questions from the Board.

  There was no public comment.

  Jim Pergolizzi moved to close the public hearing.

  Barbara Servé seconded.

  All Ayes.

DECISION FOR 38 OLD FARM CIRCLE – AREA VARIANCE

A written Resolution to grant the area variance for 38 Old Farm Circle was moved by George Dounce and seconded by Board Member Jim Pergolizzi.

George Dounce called for a roll call vote.

Servé	Aye
Pergolizzi	Aye
Spennacchio-Wagner	Absent
Castleberry	Aye
Kidera	Absent
Dounce	Aye
Iacobucci	Absent

The approved Resolution contains the following Specific Conditions:

1. This variance is granted only for the plans submitted and prepared by the Applicant dated September 19, 2022.

2. All construction is to be completed by December 31, 2024.

DECISION FOR LEHIGH STATION ROAD SUBDIVISION – AREA VARIANCE

A written Resolution to grant the area variance for Lehigh Station Road Subdivision was moved by George Dounce and seconded by Board Member Jim Pergolizzi.

George Dounce called for a roll call vote.

Servé	Aye
Pergolizzi	Aye
Spennacchio-Wagner	Absent
Castleberry	Aye
Kidera	Absent
Dounce	Aye
Iacobucci	Absent

The approved Resolution contains the following Specific Conditions:

1. This variance is granted only for the plans submitted as indicated on the site map attached to the resolution.

2. These variances shall be noted on the Subdivision Plat Map prior to the Planning Board's signature.

DECISION FOR 1 MORNINGSIDE PARK – AREA VARIANCE

A written Resolution to grant the area variance for 1 Morningside Park was moved by Jim Pergolizzi and seconded by Board Member George Dounce.

George Dounce called for a roll call vote.

Servé	Aye
Pergolizzi	Aye
Spennacchio-Wagner	Absent
Castleberry	Aye
Kidera	Absent
Dounce	Aye

Iacobucci	Absent

The approved Resolution contains the following Specific Conditions:

1. This variance is granted only for the plans submitted and prepared by the Applicant dated August 8, 2022

2. All construction is to be completed by December 31, 2024.

DECISION FOR 165 FRENCH ROAD – AREA VARIANCE

A written Resolution to grant the area variance for 165 French Road was moved by Phil Castleberry and seconded by Board Member George Dounce.

George Dounce called for a roll call vote.

Servé	Aye
Pergolizzi	Aye
Spennacchio-Wagner	Absent
Castleberry	Aye
Kidera	Absent
Dounce	Aye
Iacobucci	Absent

The approved Resolution contains the following Specific Conditions:

1. This variance is granted only for the plans submitted and prepared by the Applicant dated September 15, 2022.

2. All construction is to be completed by December 31, 2024.

DECISION FOR 37 DEVONWOOD LANE – AREA VARIANCE

A written Resolution to grant the area variance for 37 Devonwood Lane was moved by George Dounce and seconded by Board Member Phil Castleberry

George Dounce called for a roll call vote.

Servé	Aye
Pergolizzi	Aye
Spennacchio-Wagner	Absent
Castleberry	Aye
Kidera	Absent
Dounce	Aye
Iacobucci	Absent

The approved Resolution contains the following Specific Conditions:

1. This variance is granted only for the plans submitted and prepared by the Applicant dated September 9, 2022.

2. All construction is to be completed by December 31, 2024.

POINT PERSONS FOR NOVEMBER 21 MEETING

79 West Bloomfield Road – Phil Castleberry

4000 East Avenue – Thomas Kidera

93 Kilbourn Road – Jim Pergolizzi

Chairman George Dounce motioned to approve the minutes of September 19, 2022, with corrections.

All Ayes.

The meeting was adjourned at 8:05 pm.

Respectfully submitted,

_____

Susan Donnelly
Secretary to the Zoning Board of Appeals

Zoning Board of Appeals
Referral Form Information

Property Address:
77 West Bloomfield Road PITTSFORD, NY 14534

Property Owner:
Hussain, Syed K
77 West Bloomfield Rd
Pittsford, NY 14534

Applicant or Agent:
Bell Atlantic Mobile Systems LLC DBA Verizon Wireless
1275 John St. Suite 100
West Henrietta, NY 14586

Present Zoning of Property: RN Residential Neighborhood
Area Variance - Commercial

Town Code Requirement is:		Proposed Conditions:		Resulting in the Following Variance:	
Right Lot Line:		Right Lot Line:		Right Lot Line:	
Left Lot Line:		Left Lot Line:		Left Lot Line:	
Front Setback:		Front Setback:		Front Setback:	
Rear Setback:		Rear Setback:		Rear Setback:	
Height:	100'	Height:	105'	Height:	5.0'
Size:		Size:		Size:	

Code Section(s):

Description: Applicant is requesting relief from Code Section 185-126C(3)(b)[2] to allow for construction of a 105' stealth tree telecommunications facility and accompanying ground equipment where code allows for a maximum of 100'. This property is zoned Residential Neighborhood – (RN).

October 27, 2022 Bill Zink

Date Bill Zink -

NIXON PEABODY

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September 1, 2022

VIA HAND DELIVERY

Town of Pittsford Planning Board
Town of Pittsford Zoning Board of Appeals
11 South Main Street
Pittsford, New York 14534

RE: Application by Bell Atlantic Mobile Systems LLC d/b/a Verizon Wireless for a Special Use Permit and Site Plan Approval from the Town of Pittsford Planning Board to Install and Operate a Wireless Telecommunications Facility at 77 West Bloomfield Road in the Town of Pittsford, New York (the "Thornell Road" – Alternate Site)

Dear Members of the Planning Board and Zoning Board of Appeals:

Bell Atlantic Mobile Systems LLC d/b/a Verizon Wireless ("**Verizon Wireless**") is a public utility and wireless telecommunications licensee of the Federal Communications Commission ("**FCC**"), responsible for providing wireless telecommunications services to individuals, businesses and emergency services. To remedy service inadequacies in the Town of Pittsford, Verizon Wireless proposes to install and operate a wireless telecommunications facility at 77 West Bloomfield Road (Tax Parcel No. 178.03-1-58) in the Town (the "**Site**").

The Site is being proposed as an alternate to the site originally proposed to be located on the grounds of Transfiguration Church at 50 W. Bloomfield Road (see previous application dated November 12, 2021). If this Site is approved, the application for a facility at the Church will be withdrawn.

The Project will consist of a 105 foot "monopine" stealth tree, and other associated improvements all as shown on the enclosed site plan prepared by Costich Engineering, P.C. (the "**Site Plan**").

The Site is located in the Town's RRAA residential zoning district. In accordance with the requirements of the Zoning Law of the Town of Pittsford (the "**Zoning Law**"), the Project is permitted upon the issuance of a special use permit and site plan approval from the Town Planning Board (see Zoning Law § 185-126(C)(2)).

The preferred height based on best RF engineering practices for service and network coverage for this cell is 120′ (ACL of 116′). However, in deference to the Town's strong preference for a height as close to 100′ as possible, the RF engineers have permitted the very minimum height that will provide the lower end of adequate coverage to the coverage cell (see Exhibit H), which is 105′ (ACL of 96′). As such, because the Town Zoning Code limits the

height of telecommunications towers to 100′, a 5 foot area (height) variance from the ZBA is necessary.

Accordingly, please accept this letter and the following exhibits and enclosures as Verizon Wireless's application for a special use permit and site plan approval from the Town Planning Board, and an area (height) variance from the ZBA:

Exhibit A:	Completed, Town-supplied application forms;
Exhibit B:	Project description;
Exhibit C:	Applicable legal standards;
Exhibit D:	Project compliance with the Town's requirements and standards for Telecommunications towers set forth in Zoning Law § 185-26;
Exhibit E:	Project compliance with the Town's requirements and standards for special use permits as set forth in Zoning Law § 185-70, et seq.
Exhibit F:	Project compliance with the Town's site plan approval requirements and standards set forth in Zoning Law § 185-89, et seq.
Exhibit G:	Project compliance with area (height) variance requirements;
Exhibit H:	Radio Justification Report with propagation studies;
Exhibit I:	Site Selection Analysis;
Exhibit J:	Photosimulation Report with viewshed map;
Exhibit K:	Verizon Wireless' FCC licenses;
Exhibit L:	Proof of Structural Stability.
Exhibit M:	Ag Data Statement
Exhibit N:	Environmental assessment form ("**EAF**") with visual addendum;
Exhibit O:	Map showing parcels within 500 feet of Project; and
Exhibit P:	11″ x 17″ copy of Project Site Plan.

- Fifteen (15) copies of this application book;
- Five (5) full sized copies of the site plan (delivered under separate cover); and
- Check made payable to the Town of Pittsford in the amount of $1,575 (site plan application fee of $400.00, special use permit application fee of $175.00 and engineering review fee of $1,000).

As the Site is located within 500 feet of a County or State resource (County Route 66; county owned parcel at 117 W. Bloomfield Rd.; NYS AG District No. 6), this application needs to be referred to the Monroe County Planning Board pursuant to General Municipal Law Section 239-m. An additional set of application materials has been supplied to allow for the Town's referral to County Planning.

Because the Site is within 500 feet of farm operations in an Agricultural District, as defined under Article 25-AA of the Agriculture and Markets Law, Verizon Wireless has submitted as Exhibit L an Agricultural Data Statement pursuant to Town Law § 283-a. Section 283-a requires the Town to mail written notice of this application to the landowners identified in that Agricultural Data Statement. Such notice must include a description of the project and its location, and it may be sent in conjunction with any other notice required for the project.

Following discussions with Town zoning staff, the following tentative schedule was proposed:

- September 12 – Planning Board (informal discussion)
- September 26 – Planning Board (open public hearing)
- [During month of October, 239-m referral, engineering review (RF and civil), pursue any follow up requests from Town staff or Planning Board]
- November 14 – Planning Board (possible preliminary approval and referral to ZBA)
- November 21 – ZBA (area variance)
- November 28 – Planning Board (possible final approval)

Please do not hesitate to contact me if the Town requires any additional information or materials, or to discuss the Project.

Thank you.

Very truly yours,

Robert W. Burgdorf

RWB/mkv
Enclosures
cc: Kathy Pomponio, Project Manager
Jackie Bartolotta, Site Acquisition Manager
Michael Crosby, Verizon RF Engineer
William Johnson, Town RF Engineer
Doug DeRue, Town Planner
Robert Koegel, Town Attorney

TOWN OF PITTSFORD
SPECIAL PERMIT APPLICATION FORM

Planning Board – 11 S. Main Street – Pittsford, 14534 – 248-6260

PROJECT NAME: Thornell Road Cell

LOCATION: See site plan.

TAX ACCOUNT NO: See site plan.

OWNER: See site plan.

ADDRESS:

CITY, ST ZIP:

PHONE:

FAX:

E-MAIL:

APPLICANT: Bell Atlantic Mobile Systems LLC d/b/a Verizon Wireless

ADDRESS: 1275 John Street, Suite 100

CITY, ST ZIP: West Henrietta, New York 14586

PHONE: use agent contact; information below

FAX:

E-MAIL:

AGENT: Nixon Peabody LLP by Robert W. Burgdorf, Esq.

ADDRESS: 1300 Clinton Square

CITY, ST ZIP: Rochester, New York 14604

PHONE: (585) 263-1333 **FAX:** (866) 947-1268

E-MAIL: rburgdorf@nixonpeabody.com

BRIEF DESCRIPTION OF PROJECT: To install and operate a wireless telecommunications facility.

REQUEST FOR: (Please check all applicable)

- ☐ Concept Subdivision
- ☐ Preliminary Subdivision
- ☐ Final Subdivision
- ■ Special Permit
- ☐ Wetlands Permit
- ■ Preliminary Site Plan
- ■ Final Site Plan

HEARING DATE REQUESTED: TBD

Square Footage of Building: N/A

Total Acreage of Disturbance: N/A

ZONING CLASSIFICATION: RRAA **SIZE OF PARCEL:**

Is this parcel in a flood plain, agricultural district, and/or wetlands, or does it contain features of archaeological or historical significance? ☐ NO ■ YES (Please specify)

See Exhibit M.

If this parcel is within 500' of a municipal boundary, please specify: _____ (Municipality)

EXHIBIT B

PROJECT DESCRIPTION

Bell Atlantic Mobile Systems, LLC d/b/a Verizon Wireless ("Verizon Wireless"), a federally licensed wireless telecommunications provider, currently has service inadequacies in the Town of Pittsford and the surrounding areas, with nearby sites operating at or near exhaustion unable to provide the requisite coverage and requiring an offload of capacity. The only way to remedy this is to locate a wireless telecommunications facility in a technologically appropriate site. The proposed site is located at 77 West Bloomfield Road in the Town of Pittsford (the "**Site**"). This application includes, on behalf of Verizon Wireless, a request for a special use permit and site plan approval from the Town Planning Board to construct and operate a wireless telecommunications facility at the Site (the "**Project**") in order to render adequate and reliable wireless telecommunications service to emergency services, businesses and individuals in and around the Town of Pittsford.

The Project will involve the construction of a 105 foot "monopine" stealth tree, and other associated improvements all as shown on the enclosed site plan prepared by Costich Engineering, P.C.

Wireless telecommunications use has burgeoned since the technology was introduced in the mid-1980s. Wireless telecommunications technology provides a critical link for emergency services, such as ambulances, which use such service to transmit vital signs and medical information via medical telemetry. Increasingly, police forces are relying on wireless telecommunication devices to communicate with dispatch and receive calls for assistance. Additionally, many businesses heavily rely on wireless telecommunications service, and individuals use it not only for their convenience, but for safety reasons as well.

Essentially, wireless telecommunications devices operate by transmitting a very low power radio signal between the wireless telecommunication device and an antenna mounted on a tower, pole, building or other structure. The antenna feeds the signal to electronic apparatus housed in a small equipment shelter located near the antenna (the "**Base Station**"), where it is connected to an ordinary telephone line, and is then routed anywhere in the world. The antennas and Base Station are known as a "cell site."

Because of the low power, a cell site is capable of transmitting to and from wireless telecommunication devices only within a limited geographic area. This limited geographic area is called a "cell." A cell site must be located within a prescribed area in order to provide coverage for the entire cell.

Wireless telecommunications technology requires that cells overlap somewhat in order to provide uninterrupted service. When the wireless telecommunications user moves into a new cell, the transmission is automatically transferred to the cell site in the new cell. If there is no cell site in the new cell, there is no wireless telecommunications service.

Because each cell site must be placed in such a manner as to provide service within a particular cell, and so as to provide overlapping (but not duplicate) coverage with the existing or planned cells around it, there is limited flexibility as to where a cell site can be placed. Wireless telecommunication providers conduct a thorough engineering study, using an elaborate computer program known as a "propagation study." A propagation study shows, based on cell boundaries, topography and other factors, where a cell site needs to be located in order to provide wireless telecommunications coverage in a particular cell. The wireless telecommunication companies and RF engineers identify technologically feasible locations for the cell site.

As set forth in this application, Verizon Wireless meets the legal standards for receiving a special use permit and site plan approval for the Project. Moreover, the Project will not pollute, will not create noise or vibration, will not create any significant increase in traffic, will not create any environmental problems, will not increase population density, and will not create any demand on governmental facilities. Thus, the Project will not create any detriment to adjoining properties or change the character of the neighborhood. Instead, the Project will enhance governmental facilities and promote the public welfare by providing a modern, more efficient system of communications for police, fire and other emergency services, as well as provide modern wireless telecommunications service to business, industry and individuals.

EXHIBIT G

COMPLIANCE WITH AREA VARIANCE STANDARDS

As discussed in Exhibit C, the legal standard applicable to Verizon Wireless is the relaxed standard afforded to public utilities, rather than the zoning standards generally applied, and this relaxed standard is the same regardless of whether the utility applies for a special use permit, an area variance or any other type of zoning approval. Nonetheless, as demonstrated below, Verizon Wireless also complies with the generally applicable requirements for an area variance.

In determining whether to grant an area variance, the Board must consider the "benefit to the applicant if the variance is granted as weighed against the detriment to the health, safety and welfare of the neighborhood or community by such grant." Town Law § 267-b 3(b).

In the present case, the benefit for Verizon Wireless would be the ability to fulfill its charge as a public utility and provide essential cellular telephone service to emergency services, businesses and individual users. If the bulk requirements imposed by the Zoning Ordinance are not varied, Verizon Wireless would not be able to properly provide cellular service for this coverage area. This service deficiency would cause users to lose service within the cell's coverage area, including emergency services, businesses and individuals and would be contrary to the Federal goals of proper deployment of this service and Verizon Wireless' FCC license. On the other hand, the only detriment to the neighborhood if the variance is granted would be some ability to see the facility. However, the community would benefit by having access to a modern, reliable cellular communications system, and all towers have become a normal part of the landscape.

(1) Whether an undesirable change will be produced in the character of neighborhood or a detriment to the nearby properties will be created by the grant of the variances.

As set forth in this application, the granting of the 5′ variance will not cause any meaningful detriment to the neighborhood or nearby properties and must be balanced against the desire of the Town for a monopine stealth structure. Service could be provided with a 100′ monopole structure. Also, the project will not pollute, will not create noise or vibration, will not

increase population density, will not create any demand on governmental services, and will not create any increase in traffic and is not required to be lit. Again, it is an inert facility and, as such, is in harmony with the orderly development of the area as well as the nationwide cellular telephone network.

(2) Whether the benefit sought by the applicant can be achieved by some feasible method other than the area variances.

Applicant can achieve the minimum necessary service coverage needs for this cell with a monopole structure of 100′ (96′ ACL). However, the Town has requested a "monopine" stealth structure which requires the additional 5′. If the area variance is not granted, Applicant could proceed with a monopole structure.

(3) Whether the requested area variance is substantial.

Applicant submits that the extra 5′ is insubstantial.

(4) Whether the proposed variances will have an adverse effect or impact on the physical or environmental conditions in the neighborhood or district.

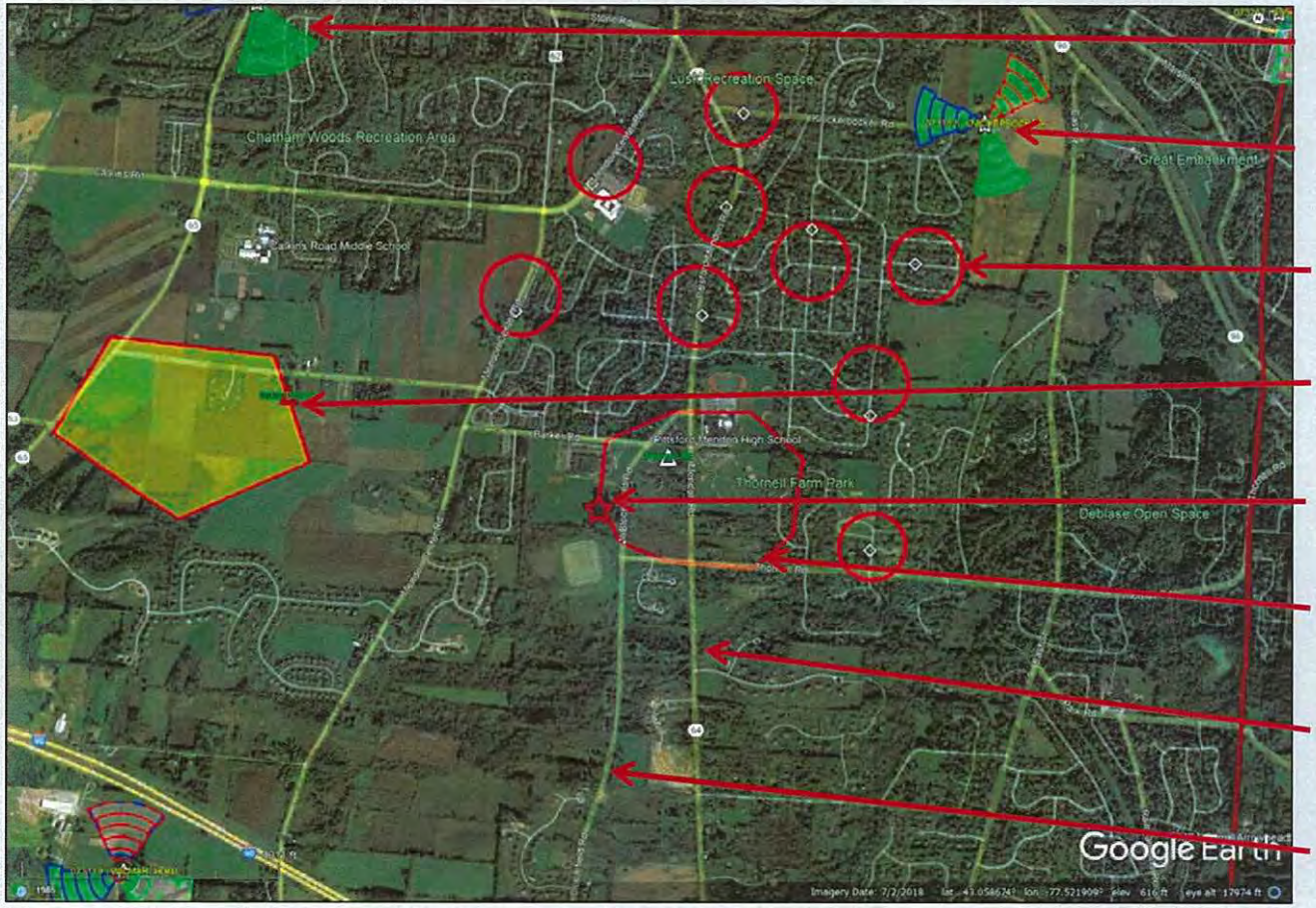
As discussed above, an extra 5′ on top of the monopine will not have any adverse effects or impacts, and the extra 5′ will not be noticeable to the casual observer. Furthermore, this project will enhance the public health, safety, welfare and convenience by providing a modern, more efficient system of communications for police, fire and other emergency services, as well as by providing modern cellular service to business, industry and individuals.

(5) Whether the alleged difficulty was self-created which determination with consideration shall be relevant to the decision of the Board of Appeals, but shall not necessarily preclude the granting of the area variance.

As explained above, Verizon Wireless' need for an extra 5′ is due to stealth monopine structure desired by the Town, and is not a problem created by Verizon Wireless.

Verizon Wireless Communications Facility

Engineering Necessity Case – "Thornell Rd"



Existing Cloverwood Site

Existing Knickerbocker Site

Approved Small Cells

*Planned Site (Isaac Gordan)

Project location (Thornell Rd)

Thornell Rd Search Area

Rt. 64

West Bloomfield Rd.

Prepared by: Michael R. Crosby, RF Engineer IV, Verizon Wireless

Project: The project is the installation and operation of a new tower co-located wireless telecommunications site in the Town of Pittsford (the "Project Facility").

verizon

*Note: If the Thornell Rd site is approved as proposed (at 50 or 77 W. Bloomfield Rd) Verizon will terminate plans for a new macro tower at the Isaac Gordon search area

August 26th, 2022

Introduction

The purpose of this subsequent analysis is to summarize and communicate the technical radio frequency (RF) information used in the justification of this new site.

Coverage and/or capacity deficiencies are the two main drivers that prompt the need for a new wireless communications facility/site. All sites provide a mixture of both capacity and coverage for the benefit of the end user.

Coverage can be defined as the existence of signal of usable strength and quality in an area, including but not limited to in-vehicles or in-buildings.

The need for improved coverage is identified by RF Engineers that are responsible for developing and maintaining the network. RF Engineers utilize both theoretical and empirical data sets (propagation maps and real world coverage measurements). Historically, coverage improvements have been the primary justification of new sites.

Capacity can be defined as the amount of traffic (voice and data) a given site can process before significant performance degradation occurs.

When traffic volume exceeds the capacity limits of a site serving a given area, network reliability and user experience degrades. Ultimately this prevents customers from making/receiving calls, applications cease functioning, internet connections time out and data speeds fail. This critical condition is more important than just a simple nuisance for some users. Degradation of network reliability and user experience can affect emergency responders and to persons in a real emergency situation can literally mean life or death.

Note that, while Verizon Wireless provides sufficient evidence to establish the existence of a coverage gap and capacity need in this case, the FCC recently confirmed that federal law does not require a provider to establish the existence of a coverage/capacity gap to establish the need for a site. There are several ways by which an applicant can establish site need. See Accelerating Wireless Broadband Deployment by Removing Barriers to Infrastructure Investment," FCC 18-133, 85 FR 51867, at ¶ 37 (October 15, 2018) (confirming that the test for establishing an effective prohibition is whether "a state or local legal requirement materially inhibits a provider's ability to engage in any of a variety of activities related to its provision of a covered service," and this test is met "not only when filling a coverage gap but also when densifying a wireless network, introducing new services or otherwise improving service capabilities") (emphasis added).

Project Need Overview

The project area, located in the southern portion of the Town of **Pittsford** is currently served by four sites. These sites are overloaded requiring capacity relief. Additionally the project area is subject to significant terrain and or foliage challenges for RF (signal) propagation. This terrain and or foliage combined with long distance prevent effective propagation of Verizon's RF signals into this area compounding the capacity issue with areas of variable coverage creating significant gaps in coverage. This site will also provide C-Band coverage throughout the project area as well as overlapping the recently approved small cell project area. The small cells are limited in hardware and antenna space therefore overlap from this macro is required.

The first serving site is **Wilmarth Rd,** located in the Town of Pittsford, is approximately one and three quarter miles southwest (of the project location) situated on an existing tower located off South Wilmarth Rd. While this site provides weak/variable coverage in portions of the project area, it does so from a terrain and or foliage + distance challenged position making the site not capable of efficiently or effectively providing adequate coverage or capacity.

The second serving site is **Probst Rd,** located in the Town of Mendon, is approximately two and four tenths miles south-southeast (of the project location) on an existing tower off Mile Square Rd. While this site provides weak/variable coverage in portions of the project area, it does so from a terrain and or foliage + distance challenged position making the site not capable of efficiently or effectively providing adequate coverage or capacity.

The third serving site is **Cloverwood,** located in the Town of Pittsford, is approximately one and three quarter miles northwest (of the project location) situated on an extremely low ACL stealth structure located off Rt. 65. While this site provides weak/variable coverage in portions of the project area, it does so from a structure and distance challenged position making the site not capable of efficiently or effectively providing adequate coverage or capacity.

The fourth serving site is **Victor North,** located in the town of Victor, is approximately three and three quarters miles southeast (of the project location) situated on an existing hilltop tower located off Rt. 490. While this site provides weak/variable coverage in portions of the project area, it does so from a terrain and or foliage + distance challenged position making the site not capable of efficiently or effectively providing adequate coverage or capacity.

Available (mid band AWS) carriers at these and other area sites are not capable of effectively serving/offloading the project area due to inherent propagation losses from distance, challenging terrain and in building coverage losses negatively impacting mid band coverage and capacity offload capabilities. There are other Verizon sites in this general area but due to distance and terrain they also do not provide any significant overlapping coverage in the area in question that could allow for increased capacity and improved coverage from other sources.

The primary objectives for this project are to increase capacity and provide and or improve coverage throughout the southern portion of the town of Pittsford, more specifically portions of Thornell Rd, West Bloomfield Rd, Pittsford Mendon Rd, Barker Rd, Mendon Center Rd, Willard Rd, Calkins Rd, Greenwood Park, Bromley, Guilford Way, Cranston, Charter Oaks, Warder, Wind Mill, Stuyvesant, Copper Woods, Escena Rise, Hawkstone Way, Alpine Ridge, Bromsgrove Hill, Sunrise Hill, VanVoorhis Rd, Pittsford Mendon High School, Barker Rd Middle School, Church of the Transfiguration, Pittsford Volunteer Fire Department Station Two, Mendon Center Elementary as well as neighboring residential and commercial areas along and near these roads. In order to offload capacity from Wilmarth, Probst, Cloverwood and Victor North, a new dominant server must be created. This new dominant coverage will effectively offload the existing overloaded sites/cells as well as provide improved coverage where significant gaps exist today.

Following the search for co-locatable structures to resolve the aforementioned challenges and finding none available, Verizon proposes to attach the necessary antenna(s) to a new 105' stealth monopine tower located at 77 West Bloomfield Rd, Pittsford, NY 14534. Verizon's antennas will utilize 96' for the ACL (Antenna Center Line) with a top of antenna height of 100'. It should be noted that ideally using sound engineering practices this proposed site would be designed and constructed with a 116' ACL (120' tip) however based on discussions with the town and it's RF consultants we are proposing a solution that limits the antenna tip to 100'. This solution will provide the minimum necessary coverage and capacity improvements needed.

verizon

Wireless LTE (Voice and Data) Growth

Wireless smart city solutions are being used to track available parking and minimize pollution and wasted time.

These same solutions are being used to track pedestrian and bike traffic to help planning and minimize accidents.

Smart, wireless connected lighting enables cities to control lighting remotely, saving energy and reducing energy costs by 20%.

4G technology is utilized to track and plan vehicle deliveries to minimize travel, maximize efficiency, and minimize carbon footprint.

4G technology is also used to monitor building power usage down to the circuit level remotely, preventing energy waste and supporting predictive maintenance on machines and equipment.

Wireless sensors placed in shipments are being used to track temperature-sensitive medications, equipment, and food. This is important for preventing the spread of food-borne diseases that kill 3,000 Americans each year.

Source: Verizon Innovation Center, February. 2018

Wireless is a critical component in schools and for today's students.

20,000 learning apps are available for iPads. 72% of iTunes top selling educational apps are designed for preschoolers and elementary students.

600+ school districts replaced text books with tablets in classrooms.

77% of parents think tablets are beneficial to kids.

74% of school administrators feel digital content increases student engagement.

70% of teens use cellphones to help with homework.

Source: CTIA's Infographics Today's Wireless Family, October, 2017

The average North American smartphone user will consume 48 GB of data per month in 2023, up from just 5.2 GB per month in 2016 and 7.1 GB per month in 2017 .[1]

Of American homes are wireless only.[2]

In North America, the average household has 13 connected devices with smartphones outnumbering tablets 6 to 1.[3]

1. Ericsson Mobility Report, November 2017
2. CDC's 2018 Wireless Substitution: Early Release of Estimates From the National Health Interview Survey, January-July, 2018
3. IHS Market Connected Device Market Monitor: Q1 2016, June 7, 2016

A wireless network is like a highway system…

US, mobile data traffic was 1.3 Exabytes per month in 2016, the equivalent of 334 million DVDs each month or 3,687 million text messages each second **according to** Cisco VNI Mobile Forecast Highlights, 2016-2021,Feb 2017

verizon

Wireless facilities and property values.

Cell service in and around the home has emerged as a critical factor in home-buying decisions.

National studies demonstrate that most home buyers value good cell service over many other factors including the proximity of schools when purchasing a home.

75% More than 75% of prospective home buyers said a good cellular connection was important to them.[1]

83% The same study showed that 83% of Millennials (those born between 1982 and 2004) said cell service was the most important fact in purchasing a home.

90% 90% of U.S. households use wireless service. Citizens need access to 911 and reverse 911 and wireless may be their only connection.[2]

1. RootMetrics/Mansey, The Surprising Thing Home Buyers Care About More than Schools, June 2, 2015
2. CTIA, June 2015

With over 80% of 9-1-1 calls now coming from cell phones…[1]

240 million 911 calls are made annually. In many areas, 80% or more are from wireless devices.[1]

1. National Emergency Number Association, Enhancing 9-1-1 Operations With Automated Abandoned Callback & Location Accuracy (Motorola Solutions) (August 23, 2018)

Explanation of Wireless Capacity

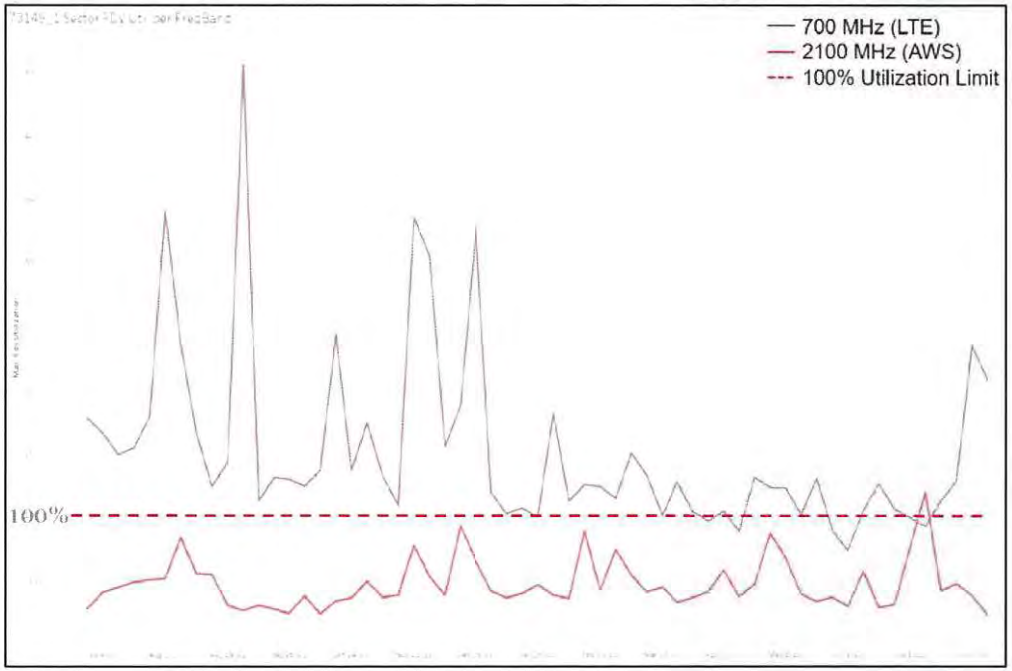
Capacity in this analysis is evaluated with up to three metrics further explained below. These metrics assist in determining actual usage for a given site as well as are used to project when a site is expected to run out of capacity (i.e. reach a point of exhaustion where it can no longer process the volume of voice and data requested by local wireless devices, thus no longer providing adequate service).

- Forward Data Volume ("**FDV**"), is a measurement of usage (data throughput) on a particular site over a given period of time.
- Average Schedule Eligible User ("**ASEU**"), is a measurement of the loading of the control channels and systems of a given site.
- Average Active Connections ("**AvgAC**") is a measurement of the number of devices actively connected to a site in any given time slot.

Verizon Wireless uses proprietary algorithms developed by a task force of engineers and computer programmers to monitor each site in the network and accurately project and identify when sites will approach their capacity limits. Using a rolling two-year window for projected exhaustion dates allows enough time, in most cases, to develop and activate a new site. It is critical that these capacity approaching sectors are identified early and the process gets started and completed in time for new solutions (sites) to be on air before network issues impact the customers.

verizon

Capacity Utilization
FDV (Wilmarth Rd Alpha)



Summary: This graph shows FDV (**F**orward **D**ata **V**olume) which is a measurement of the customer data usage that this sector currently serves. As this limit is approached, data rates slow to unacceptable levels, potentially causing unreliable service for Verizon Wireless customers.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Alpha** sector of the **Wilmarth Rd** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Wilmarth Rd** sector shown above has exceeded its capability of supporting FDV requirements as shown by the purple and dark red lines exceeding the max utilization threshold (red dashed line). In order to provide adequate and reliable service to Pittsford and the surrounding area, network densification including the proposed site are required.

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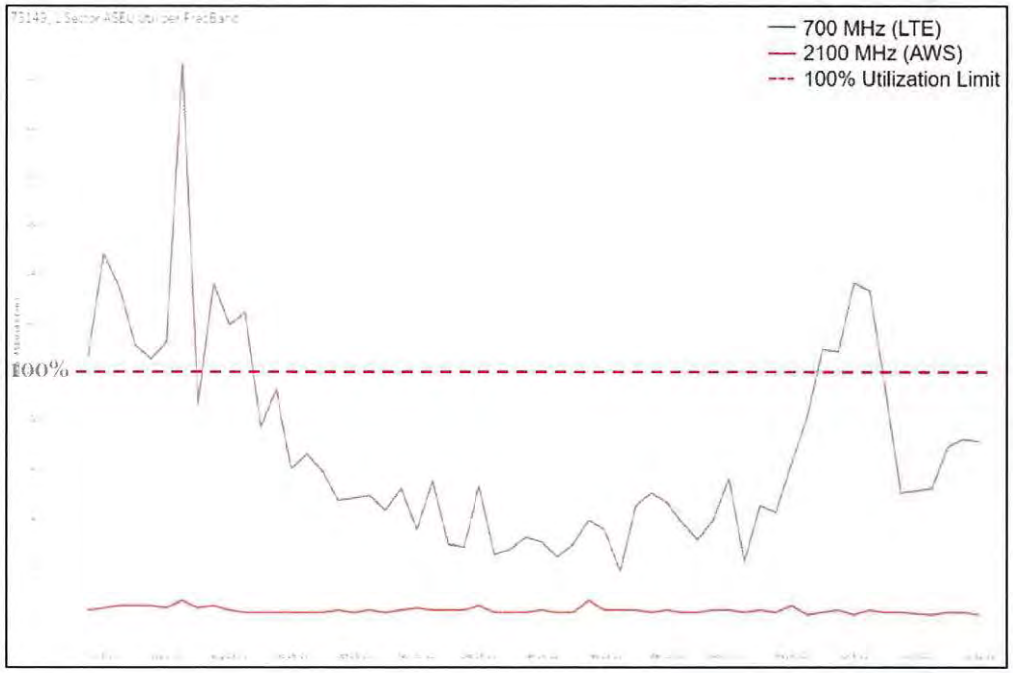
Capacity Utilization
ASEU (Wilmarth Rd Alpha)



Summary: This graph shows ASEU (**A**verage **S**chedule **E**ligible **U**ser). ASEU is a measurement of the loading of the control channels and systems of a given site. The ASEU load is heavily impacted by distant users or those in poor RF conditions.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Alpha** sector of the **Wilmarth Rd** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Wilmarth Rd** sector cannot support the traffic demand throughout the extent of the large geographic area it covers. **Wilmarth Rd** is overloaded, as shown by the purple actual use line exceeding the red dashed exhaustion threshold. In order to provide adequate and reliable service to Pittsford and the surrounding area, network densification including the proposed site are required.

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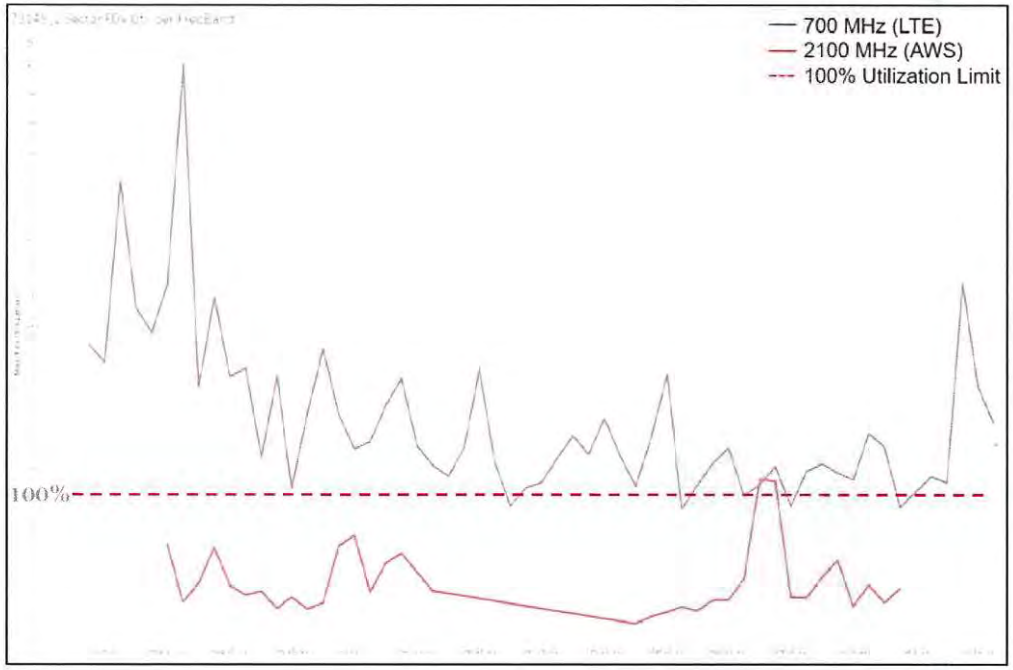
Capacity Utilization
FDV (Wilmarth Rd Beta)



Summary: This graph shows FDV (**F**orward **D**ata **V**olume) which is a measurement of the customer data usage that this sector currently serves. As this limit is approached, data rates slow to unacceptable levels, potentially causing unreliable service for Verizon Wireless customers.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Beta** sector of the **Wilmarth Rd** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Wilmarth Rd** sector shown above has exceeded its capability of supporting FDV requirements as shown by the purple and dark red lines exceeding the max utilization threshold (red dashed line). In order to provide adequate and reliable service to Pittsford and the surrounding area, network densification including the proposed site are required.

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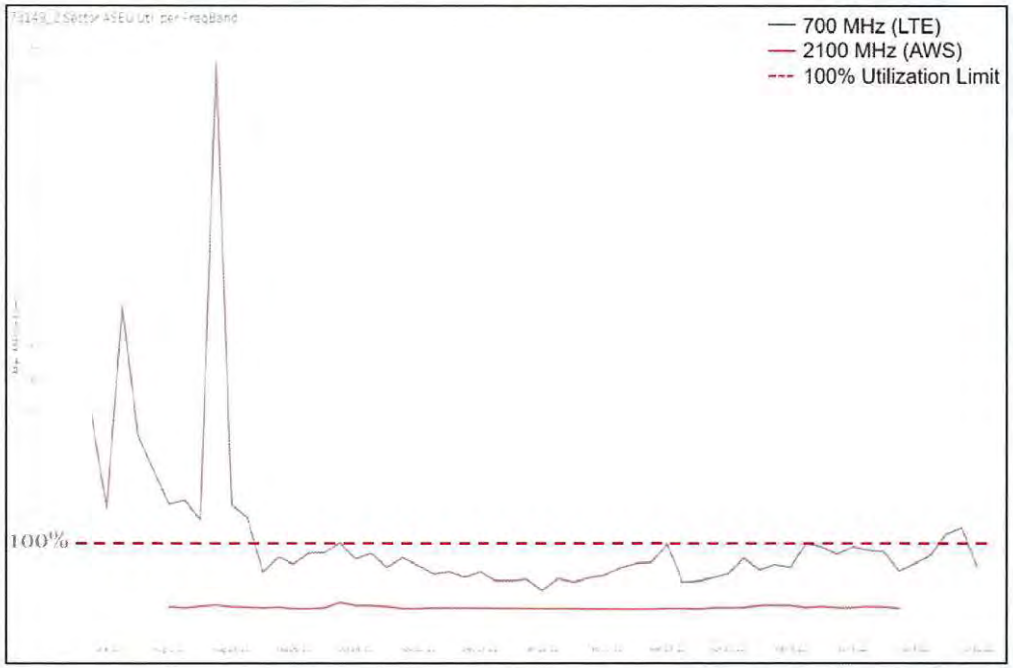
Capacity Utilization
ASEU (Wilmarth Rd Beta)



Summary: This graph shows ASEU (**A**verage **S**chedule **E**ligible **U**ser). ASEU is a measurement of the loading of the control channels and systems of a given site. The ASEU load is heavily impacted by distant users or those in poor RF conditions.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Beta** sector of the **Wilmarth Rd** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Wilmarth Rd** sector cannot support the traffic demand throughout the extent of the large geographic area it covers. **Wilmarth Rd** is overloaded, as shown by the purple actual use line exceeding the red dashed exhaustion threshold. In order to provide adequate and reliable service to Pittsford and the surrounding area, network densification including the proposed site are required.

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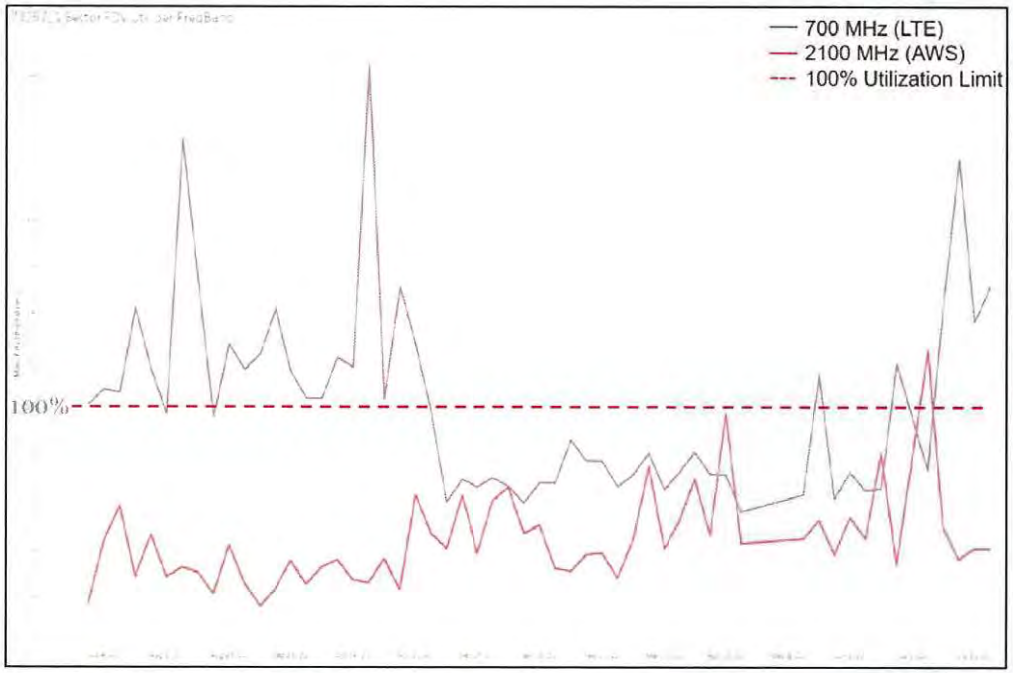
Capacity Utilization
FDV (Probst Rd Alpha)



Summary: This graph shows FDV (**F**orward **D**ata **V**olume) which is a measurement of the customer data usage that this sector currently serves. As this limit is approached, data rates slow to unacceptable levels, potentially causing unreliable service for Verizon Wireless customers.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Alpha** sector of the **Probst Rd** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Probst Rd** sector shown above has exceeded its capability of supporting FDV requirements as shown by the purple and dark red lines exceeding the max utilization threshold (red dashed line). In order to provide adequate and reliable service to Pittsford and the surrounding area, network densification including the proposed site are required.

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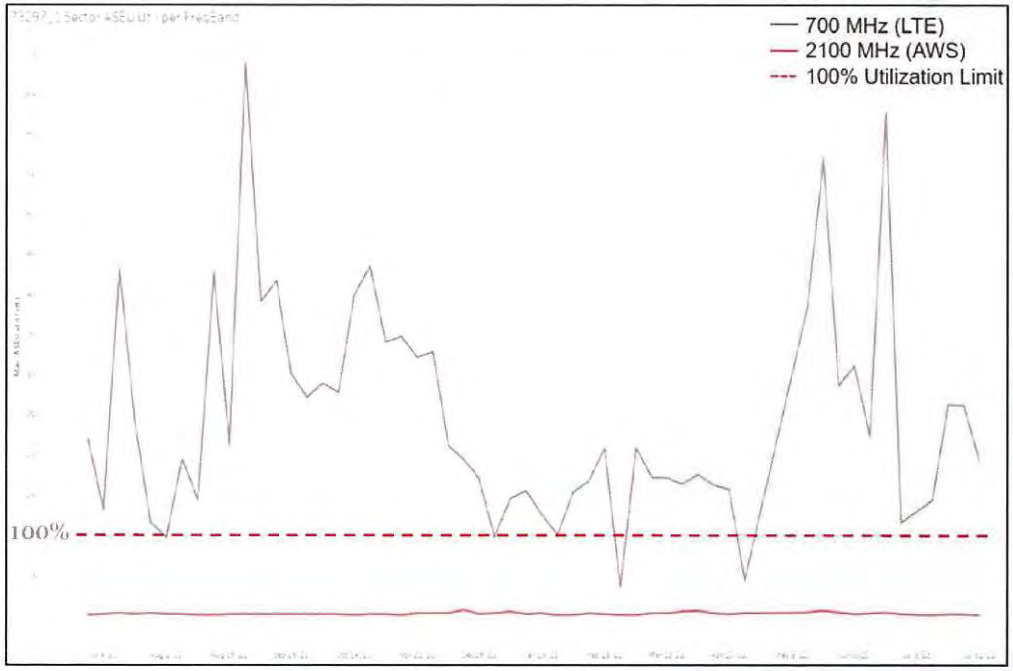
Capacity Utilization
ASEU (Probst Rd Alpha)



Summary: This graph shows ASEU (**A**verage **S**chedule **E**ligible **U**ser). ASEU is a measurement of the loading of the control channels and systems of a given site. The ASEU load is heavily impacted by distant users or those in poor RF conditions.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Alpha** sector of the **Probst Rd** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Probst Rd** sector cannot support the traffic demand throughout the extent of the large geographic area it covers. **Probst Rd** is overloaded, as shown by the purple actual use line exceeding the red dashed exhaustion threshold. In order to provide adequate and reliable service to Pittsford and the surrounding area, network densification including the proposed site are required.

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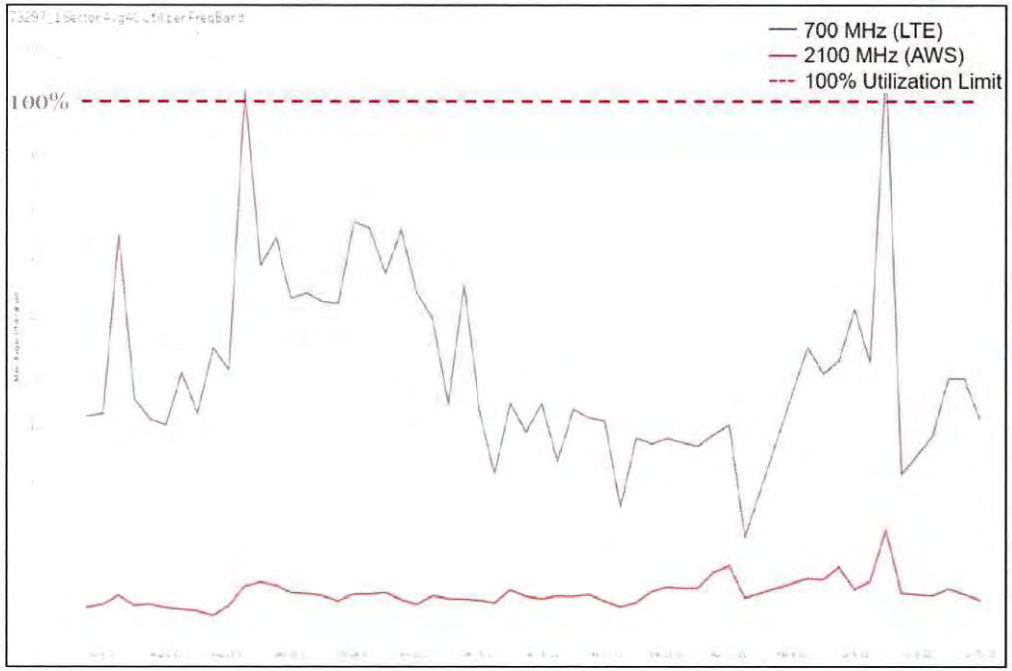
Capacity Utilization
AvgAC (Probst Rd Alpha)



Summary: This graph shows AvgAC (**A**verage **A**ctive **C**onnections). AvgAC utilization by carrier is a measurement of max active connection capacity per sector in any given time slot. When this limit is reached, no additional devices will be able to connect to the site, resulting in connection failures and dropped calls.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Alpha** sector of the **Probst Rd** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Probst Rd** sector cannot support the traffic demand throughout the extents of the large area it covers. **Probst Rd** has reached overloaded conditions, as shown above.

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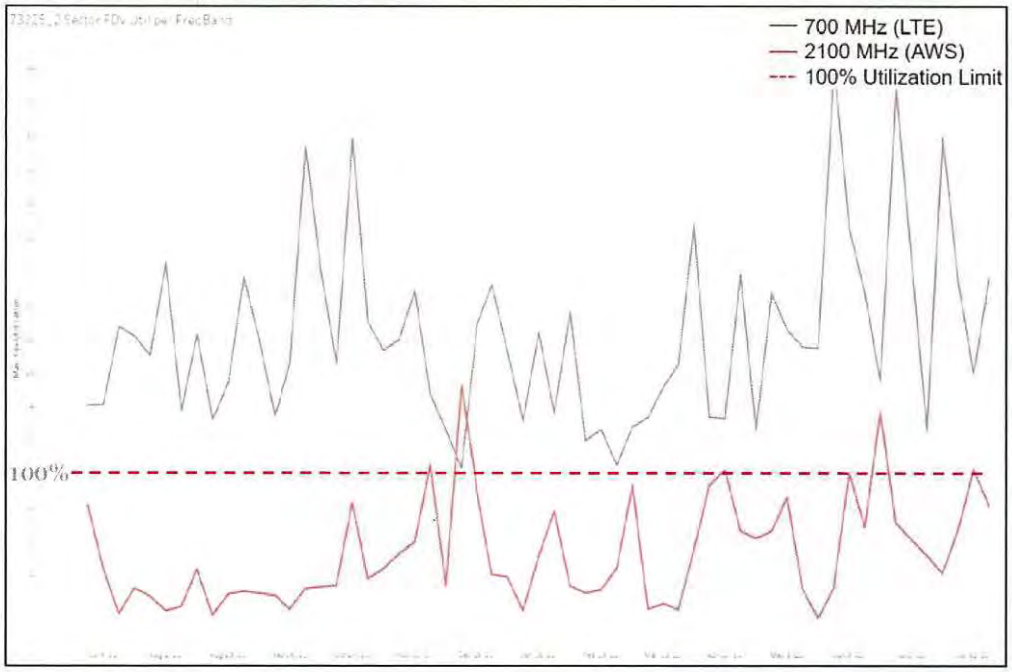
Capacity Utilization
FDV (Cloverwood Beta)



Summary: This graph shows FDV (**F**orward **D**ata **V**olume) which is a measurement of the customer data usage that this sector currently serves. As this limit is approached, data rates slow to unacceptable levels, potentially causing unreliable service for Verizon Wireless customers.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Beta** sector of the **Cloverwood** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Cloverwood** sector shown above has exceeded its capability of supporting FDV requirements as shown by the purple and dark red lines exceeding the max utilization threshold (red dashed line). In order to provide adequate and reliable service to Pittsford and the surrounding area, network densification including the proposed site are required.

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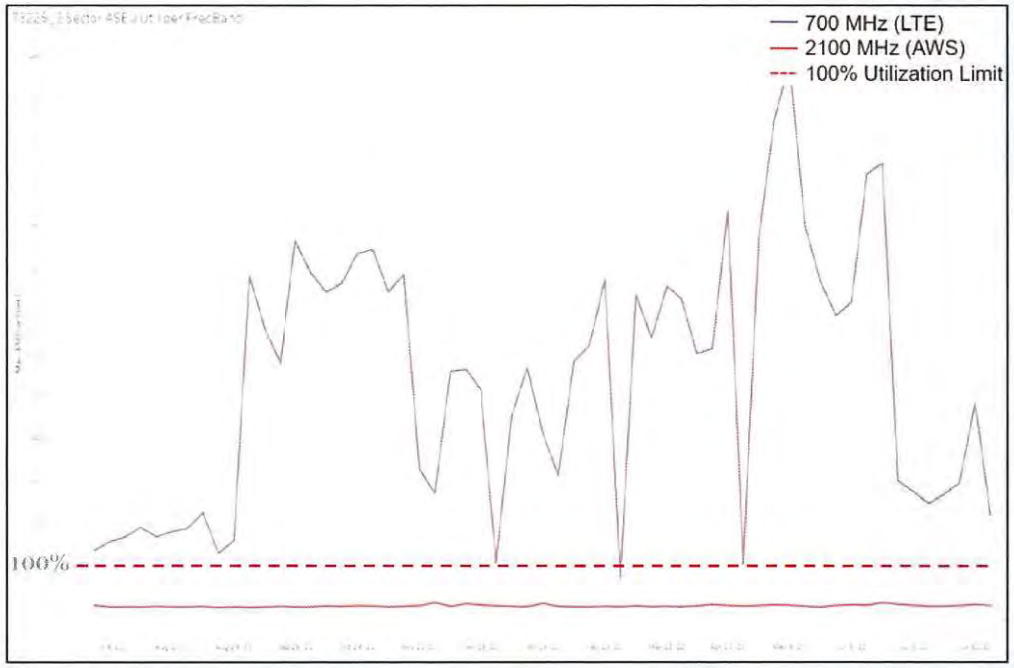
Capacity Utilization
ASEU (Cloverwood Beta)



Summary: This graph shows ASEU (**A**verage **S**chedule **E**ligible **U**ser). ASEU is a measurement of the loading of the control channels and systems of a given site. The ASEU load is heavily impacted by distant users or those in poor RF conditions.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Beta** sector of the **Cloverwood** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Cloverwood** sector cannot support the traffic demand throughout the extent of the geographic area it covers due to low ACL and stealth limitations. These site conditions have rendered the mid band ineffective as can be observed in the chart above which shows the extreme limitations on mid band traffic capability. **Cloverwood** is overloaded, as shown by the purple actual use line exceeding the red dashed exhaustion threshold. In order to provide adequate and reliable service to Pittsford and the surrounding area network densification including the proposed site are required.

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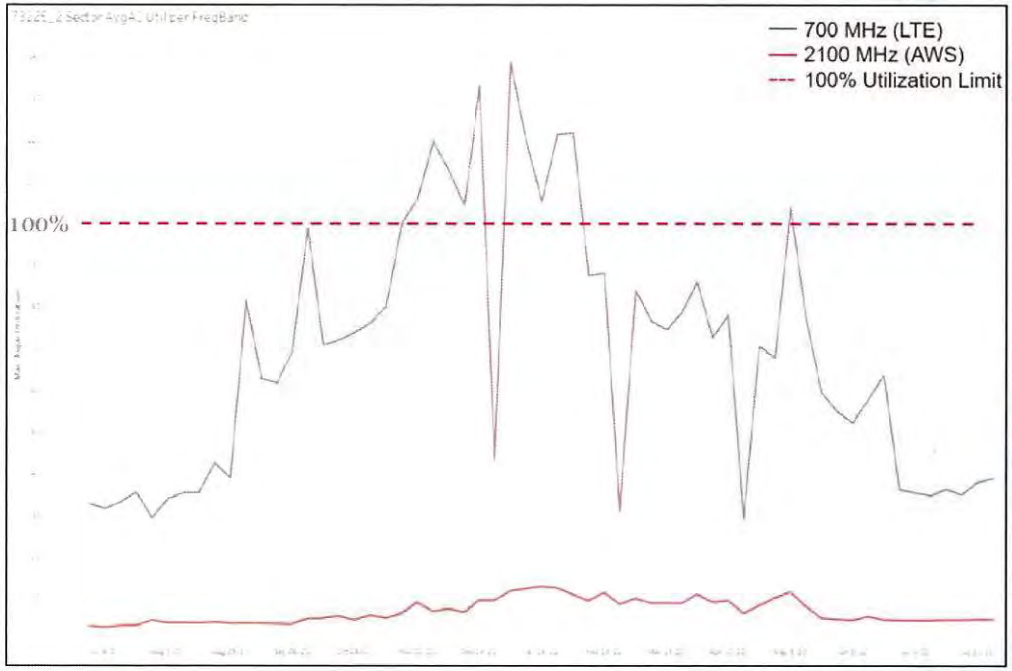
Capacity Utilization
AvgAC (Cloverwood Beta)



Summary: This graph shows AvgAC (**A**verage **A**ctive **C**onnections). AvgAC utilization by carrier is a measurement of max active connection capacity per sector in any given time slot. When this limit is reached, no additional devices will be able to connect to the site, resulting in connection failures and dropped calls.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Beta** sector of the **Cloverwood** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Cloverwood** sector cannot support the traffic demand throughout the extent of the area it covers. **Cloverwood** has reached overloaded conditions, as shown above. This graph also reveals the inability of the AWS carrier (dark red line) to provide the necessary capacity offload for the low band carrier due to differences in RF propagation characteristics and the impact of low ACL, stealth and clutter. The solution is additional network densification.

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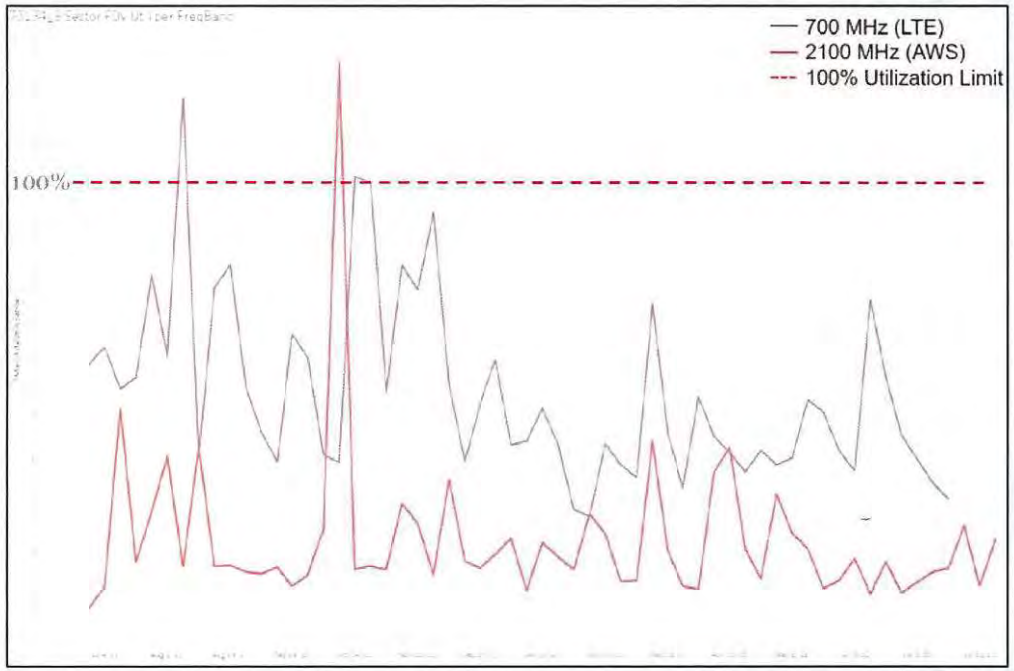
Capacity Utilization
FDV (Victor North Gamma)



Summary: This graph shows FDV (**F**orward **D**ata **V**olume) which is a measurement of the customer data usage that this sector currently serves. As this limit is approached, data rates slow to unacceptable levels, potentially causing unreliable service for Verizon Wireless customers.

The purple line represents the daily max busy hour 700MHz utilization and the dark red line is daily max busy hour AWS utilization on the **Gamma** sector of the **Victor North** site. The red dashed line is the limit where the sector reaches exhaustion and service starts to significantly degrade. The point in time where we see the purple or dark red lines reach or exceed the red dashed line is when service quickly degrades as usage continues to increase.

Detail: The existing **Victor North** sector shown above has exceeded its capability of supporting FDV requirements as shown by the purple and dark red lines exceeding the max utilization threshold (red dashed line). In order to provide adequate and reliable service to Pittsford and the surrounding area network densification including the proposed site are required.

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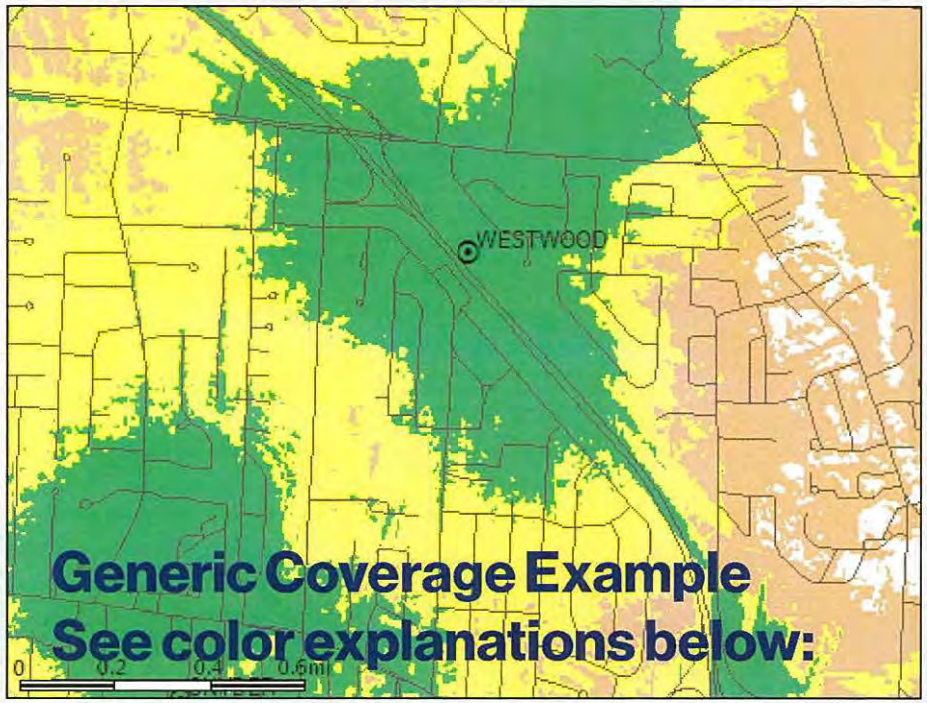
Explanation of Wireless Coverage



Coverage is best shown via coverage maps. RF engineers use computer simulation tools that take into account terrain, vegetation, building types, and site specifics to model the RF environment. This model is used to simulate the real world network and assist engineers to evaluate the impact of a proposed site (along with industry experience and other tools).

Many Verizon Wireless sites provide 3G CDMA at 850 MHz and 4G LTE at 700 MHz. As capacity requirements increase, higher frequency PCS (1900 MHz) and AWS (2100 MHz) carriers are added. In some mountaintop situations the mid band (higher frequency) AWS and PCS carriers are not fully effective due to excessive distance from the user population.

Coverage provided by a given site is affected by the frequencies used. Lower frequencies propagate further distances, and are less attenuated by clutter than higher frequencies. To provide similar coverage levels at higher frequencies, a denser network of sites is required (network densification).

Note the affect of clutter on the predicted coverage footprint above

**Dark Green >/= -75dBm RSRP, typically serves dense urban areas as well as areas of substantial construction (colleges, hospitals, dense multi family etc.)
Green >/= -85dBm RSRP, typically serves suburban single family residential and light commercial buildings
Yellow >/= -95dBm RSRP, typically serves most rural/suburban-residential and in car applications
Orange >/= -105dBm RSRP, rural highway coverage, subject to variable conditions including fading and seasonality gaps
White = <-105dBm RSRP, variable to no reliable coverage gap area

More detailed, site-specific coverage slides are later in the presentation
*Signal strength requirements vary as dictated by specific market conditions
** Not displayed in example map, layer not used in all site justifications

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Explanation of Thornell Rd Search Area

Thornell Rd Search Area

A **Search Area** is the geographical area within which a new site is targeted to solve a coverage or capacity deficiency. Three of the factors taken into consideration when defining a search area are topography, user density, and the existing network.

- **Topography** must be considered to minimize the obstacles between the proposed site and the target coverage area. For example, a site at the bottom of a ridge will not be able to cover the other side from a certain height.
- In general, the farther from a site the **User Population** is, the weaker the RF conditions are and the worse their experience is likely to be. These distant users also have an increased impact on the serving site's capacity. In the case of a multi sector site, centralized proximity is essential to allow users to be evenly distributed and allow efficient utilization of the site's resources.
- The existing **Network Conditions** also guide the design of a new site. Sites placed too close together create interference due to overlap and are an inefficient use of resources. Sites that are too tall or not properly integrated with existing sites cause interference and degrade service for existing users.
- Existing co-locatable structures inside the search area as well as within a reasonable distance of the search area are submitted by site acquisition and reviewed by RF Engineering. If possible, RF will make use of existing or nearby structures before proposing to build new towers.

To resolve the coverage and capacity deficiencies previously detailed, Verizon Wireless is seeking to add one new cell facility within this area to improve wireless service capacity and coverage. The new **Thornell Rd** site will provide dominant and dedicated signal to the identified portions of **Pittsford**. This will improve service in the **Thornell Rd** project area and compliment the small cell plan as well as those areas served by existing sites in need of offload. It is an integral part of the overall plan to resolve coverage and capacity issues across a large portion of **Pittsford**. This is a challenging search area that has been through several expansions to find a viable candidate. The minimum ACL of 96' for 77 West Bloomfield Road will allow Line of Sight (LOS) to primary objectives as well as provide adequate and reliable coverage with the requisite bands of service planned.

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Willard Rd
Greenwood Park
Stonington Dr
Kalleston Dr
Fletcher Rd
Bromley Rd
High Oaks Dr
Charter Oaks Dr
Bay Colony Dr
Twining Dr
Fenimore
Barker Rd
Country Oaks Dr
Copper Woods
West Bloomfield Rd
Mendon Rd
Summit Oaks
Oak Meadow Trl
Thornell Rd
Pittsford Mendon Center Rd
Turning Leaf Dr.
Wood Sto

1/2 Mile Radius
1/4 Mile Radius
Site

1
2
3
4
5
6
7

Legend

- Photo Locations
- Roads
- 1/4 Mile Radii
- Viewshed

CE 7633.01
7/25/2022

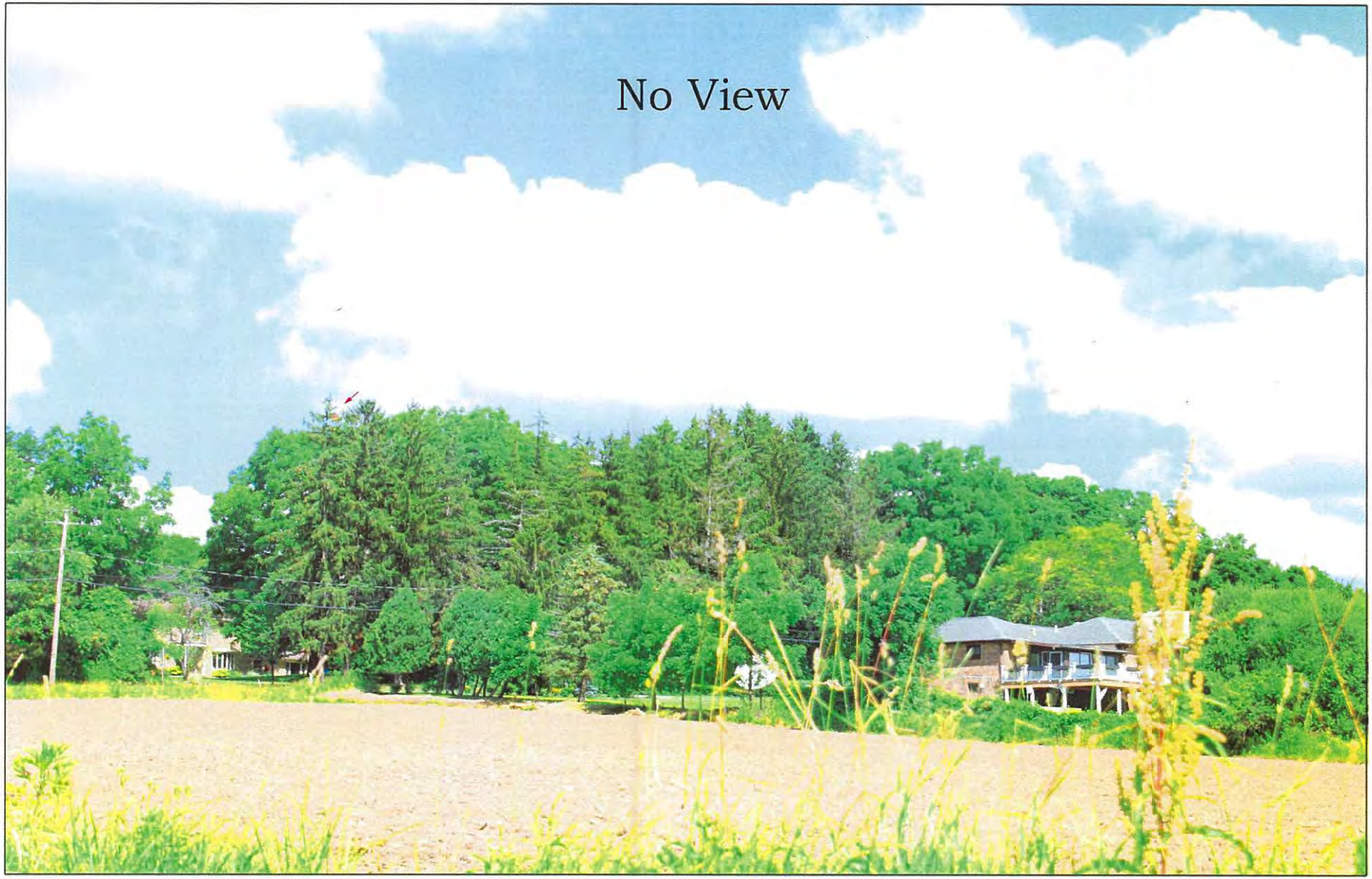
0 500 1,000 Feet

Viewshed / photo location map
Thornell Rd. Bloomfield Alternative

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020 COSTICH ENGINEERING	PROJECT NAME Thornell Rd., Bloomfield Alternative Photo 1 PHOTO COORDINATES 43° 3'30.93"N, 77°31'20.61"W	PHOTO DESCRIPTION View towards Site balloons at 100' and 120' PHOTO LOCATION View SW from Church of Transfiguration driveway entrance - 1,070' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020	PROJECT NAME Thornell Rd. - Alt. South Photo 1 PHOTO COORDINATES 43° 3'30.93"N, 77°31'20.61"W	PHOTO DESCRIPTION Photosimulation of proposed 100' monopole PHOTO LOCATION View SW from Church of Transfiguration driveway entrance - 1,070' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020 COSTICH ENGINEERING	PROJECT NAME Thornell Rd., Bloomfield Alternative Photo 1 PHOTO COORDINATES 43° 3'30.93"N, 77°31'20.61"W	PHOTO DESCRIPTION Photosimulation of proposed 105' monopine PHOTO LOCATION View SW from Church of Transfiguration driveway entrance - 1,070' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950



Costich Engineering
Land Surveying
Landscape Architecture
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020
COSTICH ENGINEERING

PROJECT NAME
Thornell Rd. - Alt. South

Photo 2

PHOTO COORDINATES
43° 3'15.21"N, 77°31'16.34"W

PHOTO DESCRIPTION
View towards Site
balloons at 100' and 120'

PHOTO LOCATION
View NE from Hawkstone Way
1,160' from site

DATE OF PHOTO
06/28/2022

C.E. JOB#
7633.01

VZW JOB#
20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020	PROJECT NAME Thornell Rd., Bloomfield Alternative	PHOTO DESCRIPTION View towards Site balloons at 100' and 120'	DATE OF PHOTO 06/28/2022
	Photo 3		C.E. JOB# 7633.01
	PHOTO COORDINATES 43° 3'37.52"N, 77°31'13.88"W	PHOTO LOCATION View SW from W Bloomfield Road 1,898' from site	VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020 COSTICH ENGINEERING	PROJECT NAME Thornell Rd. - Alt. South Photo 3 PHOTO COORDINATES 43° 3'37.52"N, 77°31'13.88"W	PHOTO DESCRIPTION Photosimulation of proposed 100' monopole PHOTO LOCATION View SW from W Bloomfield Road 1,898' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020	PROJECT NAME Thornell Rd., Bloomfield Alternative	PHOTO DESCRIPTION Photosimulation of proposed 105' monopine	DATE OF PHOTO 06/28/2022
	Photo 3	PHOTO LOCATION View SW from W Bloomfield Road 1,898' from site	C.E. JOB# 7633.01
	PHOTO COORDINATES 43° 3'37.52"N, 77°31'13.88"W		VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020	PROJECT NAME Thornell Rd., Bloomfield Alternative Photo 4 PHOTO COORDINATES 43° 3'33.37"N, 77°31'30.29"W	PHOTO DESCRIPTION View towards Site balloons at 100' and 120' PHOTO LOCATION View S from intersection of Barker Rd. & Country Oaks Dr. - 1,136' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020 COSTICH ENGINEERING	PROJECT NAME Thornell Rd. - Alt. South Photo 4 PHOTO COORDINATES 43° 3'33.37"N, 77°31'30.29"W	PHOTO DESCRIPTION Photosimulation of proposed 100' monopole PHOTO LOCATION View S from intersection of Barker Rd. & Country Oaks Dr. - 1,136' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

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COSTICH ENGINEERING

PROJECT NAME
Thornell Rd., Bloomfield Alternative

Photo 4

PHOTO COORDINATES
43° 3'33.37"N, 77°31'30.29"W

PHOTO DESCRIPTION
Photosimulation of proposed 105' monopine

PHOTO LOCATION
View S from intersection of Barker Rd. & Country Oaks Dr. - 1,136' from site

DATE OF PHOTO
06/28/2022

C.E. JOB#
7633.01

VZW JOB#
20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020 COSTICH ENGINEERING	PROJECT NAME Thornell Rd., Bloomfield Alternative Photo 5 PHOTO COORDINATES 43° 3'30.93"N, 77°31'20.61"W	PHOTO DESCRIPTION View towards Site balloons at 100' and 120' PHOTO LOCATION View SE from school parking 1100' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020 COSTICH ENGINEERING	PROJECT NAME Thornell Rd. - Alt. South Photo 5 PHOTO COORDINATES 43° 3'30.93"N, 77°31'20.61"W	PHOTO DESCRIPTION Photosimulation of proposed 100' monopole PHOTO LOCATION View SE from school parking 1100' from site	DATE OF PHOTO 06/28/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

Costich Engineering
Land Surveying
Landscape Architecture
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020
COSTICH ENGINEERING

PROJECT NAME
Thornell Rd., Bloomfield Alternative

Photo 5

PHOTO COORDINATES
43° 3'30.93"N, 77°31'20.61"W

PHOTO DESCRIPTION
Photosimulation of proposed
105' monopine

PHOTO LOCATION
View SE from school parking
1100' from site

DATE OF PHOTO
06/28/2022

C.E. JOB#
7633.01

VZW JOB#
20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020	PROJECT NAME Thornell Rd., Bloomfield Alternative	PHOTO DESCRIPTION View towards Site balloons at 100' and 120'	DATE OF PHOTO 06/28/2022
	Photo 6		C.E. JOB# 7633.01
	PHOTO COORDINATES 43° 03' 11.9160" N, 77° 31' 51.3624" W	PHOTO LOCATION View NE from Escena Rise 1,980' from site	VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020 COSTICH ENGINEERING	PROJECT NAME Thornell Rd., Bloomfield Alternative Photo 7 PHOTO COORDINATES 43° 03' 4.9055" N, 77° 32' 10.3765" W	PHOTO DESCRIPTION View towards Site balloon at 100' PHOTO LOCATION View NE from Turning Leaf Dr. and Mendon Center Rd 3650' from site	DATE OF PHOTO 07/25/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

Costich Engineering Land Surveying Landscape Architecture 217 LAKE AVENUE ROCHESTER, NY 14608 (585) 458-3020	PROJECT NAME Thornell Rd., Bloomfield Alternative Photo 7 PHOTO COORDINATES 43° 03' 4.9055" N, 77° 32' 10.3765" W	PHOTO DESCRIPTION Photosimulation of proposed 100' monopole PHOTO LOCATION View NE from Turning Leaf Dr. and Mendon Center Rd 3650' from site	DATE OF PHOTO 07/25/2022 C.E. JOB# 7633.01 VZW JOB# 20191970950

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COSTICH ENGINEERING
217 Lake Avenue
Rochester, NY 14608
(585) 458-3020

THORNELL ROAD BLOOMFIELD ALTERNATIVE
PROJECT: 20191970950
VISUAL ANALYSIS & IMPACT SITE ASSESSMENT

77 West Bloomfield Rd.
Town of Pittsford
County of Monroe
State of New York

Prepared For:

Bell Atlantic Mobile Systems
d/b/a Verizon Wireless
1275 John St., suite 100
West Henrietta, NY 14586

Project No 7633.01
June 2022

I. INTRODUCTION

Bell Atlantic Mobile Systems LLC (d/b/a Verizon Wireless) has retained Costich Engineering to prepare a Visual Analysis and Impact Assessment on a proposed wireless telecommunications site in the Town of Pittsford. The objective, to identify the visual impact and concerns associated with the construction of an unattended wireless communications site/tower & lease parcel near 77 West Bloomfield Rd., Town of Pittsford, County of Monroe.

II. SITE DESCRIPTION

The proposed site is located near 77 West Bloomfield Rd., Town of Pittsford, County of Monroe, New York. The proposed site consists of a 100' x 100' lease parcel and associated access road. Proposed within the lease parcel is an 105' wireless communications tower (monopine) and an approximately 50'x 50' fenced compound, an equipment platform, and associated appurtenances.

III. PROCESS

On June 28, 2022, Costich Engineering, P.C., conducted a visual analysis of the proposed site & associated tower. The viewshed was estimated by reviewing drone footage from a previous drone flight at this location. Areas seen from the drone from the point of view from the top of the tower were investigated during the balloon fly. Photo locations were mostly influenced by the areas of concern voiced by the Town during a similar process at the location of the Church of Transfiguration where a similar process was performed earlier. New areas were also investigated and photos from other locations were taken as considered relevant to the visual impact on the area.

Environmental conditions on June 28, 2022 varied from the start of the investigation at 8am, to completion at 1pm. The conditions at 10 am were 82°F. 5-10 mph winds with mostly clear skies. The conditions remained similar for the duration of the process.

The two 3'-6" diameter balloons were flown at a height of 100'AGL and at 120'AGL at the location of the proposed tower. The bottom of the balloon at 100'AGL represented the then proposed 100' Tower. The balloon at 120'AGL was utilized as a visual tool to assist in the location of the site during the viewshed drive and for scaling in subsequent photosimulations.

A Canon EOS 70D, DSLR camera with a variable zoom lens was utilized. Pictures were taken at each photo station utilizing focal lengths of 55mm.

IV Exhibits

The following is a list and descriptions of the attached maps and drawings associated with the Visual Analysis and Impact Assessment.

-Viewshed. This includes polygons of areas where the tower will be visible also the locations of photos that photosimulations were taken from

V Areas of visibility include the following:

1. West Bloomfield Road to the North
Mendon Center Road
Escena Rise
Turning Leaf Dr.

The top portion of the tower will be visible with none of the compound being visible.

2. Barker Road and the middle school

The view of the tower will be most apparent here, more of the tower will be visible and possibly a small portion of the compound may be visible in a few isolated spots.

3. Subdivision to the North of Barker Road

The view will consist mostly of glimpses between houses and trees.

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information

Bell Atlantic Mobile Systems, LLC d/b/a Verizon Wireless

Name of Action or Project:

Thornell Rd - Bloomfield AlternativeTelecommunications Facility

Project Location (describe, and attach a location map):

Near 77 West Bloomfield Road, Pittsford, NY 14534, T/of Pittsford, Monroe County (Access-178.03-1-59 (1.7± ac.); Tower -178.03-1-58 (1.73± ac.)

Brief Description of Proposed Action:

The proposed telecommunications facility will consist of a 105' monopine tower that will contain an antenna array at 96' AGL. The tower and all exterior equipment will be enclosed by a 6' tall stockade fence (50'x50'). Ground based improvements include outdoor equipment cabinets on a 4'x11.5' concrete slab, within a 16'x22.5' ground equipment area. The compound, proposed meter board and proposed transformer are all located within a 100'x100' lease area. Access to the site via existing driveway off W. Bloomfield Road (County Route 66).

Name of Applicant or Sponsor:	Telephone: 585-943-2623
Bell Atlantic Mobile Systems, LLC d/b/a Verizon Wireless	E-Mail: kathy.pomponio@verizonwireless.com

Address:

1275 John Street, Suite 100

City/PO:	State:	Zip Code:
West Henrietta	NY	14586

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☑	☐
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: Town of Pittsford Planning Board-Special Permit & Site Plan Approval; ZBA-Area Variance	☐	☑

3. a. Total acreage of the site of the proposed action? 3.43+/- acres
   b. Total acreage to be physically disturbed? 0.21+/- acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0.46+/- acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☑ Other(Specify): School, Church
   ☐ Parkland

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☐	☑

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑

	NO	YES
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		
If Yes, identify: _____	☑	☐

	NO	YES
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☑	☐
b. Are public transportation services available at or near the site of the proposed action?	☑	☐
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	☐	☐

	NO	YES
9. Does the proposed action meet or exceed the state energy code requirements?		
If the proposed action will exceed requirements, describe design features and technologies:		
The proposed action meets the states energy code requirements.	☐	☑

	NO	YES
10. Will the proposed action connect to an existing public/private water supply?		
If No, describe method for providing potable water:		
N/A	☑	☐

	NO	YES
11. Will the proposed action connect to existing wastewater utilities?		
If No, describe method for providing wastewater treatment:		
N/A	☑	☐

	NO	YES
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	☑	☐
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	☐	☑

	NO	YES
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☐	☑
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	☑	☐
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____		
Federal wetlands occur on properties west and south of the proposed project		

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☐ Urban ☑ Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☑	☐
16. Is the project site located in the 100-year flood plan?	☑	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☑	☐
If Yes,		
a. Will storm water discharges flow to adjacent properties?	☐	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☐	☐
If Yes, briefly describe:		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?	☑	☐
If Yes, explain the purpose and size of the impoundment:		
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?	☑	☐
If Yes, describe:		
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?	☑	☐
If Yes, describe:		

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

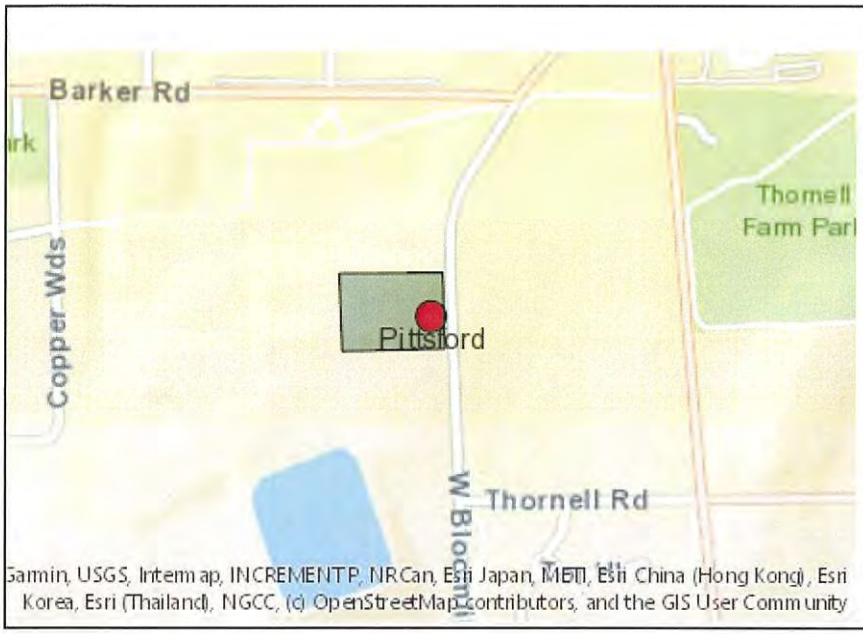
Applicant/sponsor/name: Bell Atlantic Mobile Systems, LLC Date: 8/17/2022

Signature: David A. Weisenreder, P.E. Title: Project Engineer-Costich Engineering, DPC

PRINT FORM

EAF Mapper Summary Report

Wednesday, August 17, 2022 3:32 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

BELL ATLANTIC MOBILE SYSTEMS LLC
d/b/a

verizon

SITE NAME:

THORNELL RD - BLOOMFIELD ALTERNATIVE ZONING DRAWINGS

PROJECT NUMBER: 20191970950
LOCATION CODE: 299125

VICINITY MAP SCALE 1" = 1,000

DIRECTIONS

DIRECTIONS TO SITE FROM 1275 JOHN STREET, WEST HENRIETTA, NY: START OUT GOING SOUTHWEST ON JOHN ST TOWARD LEHIGH STATION RD. 0.40 MI. TURN LEFT ONTO LEHIGH STATION RD 6.06 MI. TURN LEFT ONTO CLOVER ST 0.29 MI. TAKE THE 1ST RIGHT ONTO WILLARD RD. 1.08 MI. TURN RIGHT ONTO MENDON CENTER RD/COUNTY HWY-64. 0.12 MI. TAKE THE 1ST LEFT ONTO BARKER RD 0.55 MI. TURN RIGHT ONTO W BLOOMFIELD RD/COUNTY HWY-66 0.19 MI. THE SITE IS ON THE RIGHT

SITE ADDRESS:	NEAR 77 WEST BLOOMFIELD RD PITTSFORD, NY 14534
MUNICIPALITY:	TOWN OF PITTSFORD
COUNTY: COUNTZ:	MONROE
TAX MAP NUMBER: ACCESS PARCEL TAX MAP NUMBER:	178.03-1-58 (1.73± ACRES) 178.03-1-59 (1.7± ACRES)
ZONING DISTRICT: PROPERTY SETBACKS:	RN - RESIDENTIAL NEIGHBORHOOD FRONT - 60.0' REAR - 60.0' SIDE - 60.0'
STRUCTURE COORDINATES:	N 43° 03' 22.26" (43.056183°) W 77° 31' 28.60" (-77.524611°) } PER REF. # 1
BASE ELEVATION:	659.6'± AMSL
PROPERTY OWNER:	SYED K. HUSSAIN & AYESHA KAHN 77 WEST BLOOMFIELD RD. PITTSFORD, NY 14534
ACCESS PARCEL OWNER:	SYED K. HUSSAIN & AYESHA KAHN 77 WEST BLOOMFIELD RD. PITTSFORD, NY 14534
APPLICANT/STRUCTURE OWNER:	BELL ATLANTIC MOBILE SYSTEMS LLC d/b/a VERIZON WIRELESS 1275 JOHN STREET, SUITE 100 WEST HENRIETTA, NY 14586
CONTACT PERSON: CONTACT PHONE:	KATIIY POMPONIO (585) 943-2623

PROJECT SUMMARY

PROJECT DESCRIPTION

THE PROPOSED WORK CONSISTS OF THE CONSTRUCTION AND INSTALLATION OF AN UNMANNED WIRELESS FACILITY WITH ASSOCIATED UTILITIES.

SHT. NO.	DESCRIPTION	REV NO.	REVISION DATE
GA001	TITLE SHEET	3	08/31/2022
GA002	GENERAL NOTES	3	08/31/2022
VA100	SURVEY PLAN	3	08/31/2022
VA110	SURVEY NOTES	3	08/31/2022
CA100	SITE PLAN	3	08/31/2022
CA110	DEMOLITION PLAN	3	08/31/2022
CA120	COMPOUND SITE PLAN	3	08/31/2022
CA130	GRADING & EROSION CONTROL PLAN	3	08/31/2022
CA500	ELEVATION & ORIENTATION PLAN	3	08/31/2022
CA501	DETAILS	3	08/31/2022
CA502	EQUIPMENT ELEVATIONS	3	08/31/2022

SHEET INDEX

THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL ITEMS OF CONCERN HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION"

UTILITY PROVIDERS

ELECTRIC:	RG&E - 1 (800) 743-2110
ESR#	TBD
PLANNER:	TBD
PHONE:	TBD
FIBER:	TBD

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Dig Safely. New York

UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION
CALL US TOLL FREE 1-800-962-7962
NY industrial code rule 753 requires no less than two working days notice, but not more than ten days notice

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED FOR 22"x34" FULL SIZE AND 11"x17" HALF SIZE. OTHER SIZED VERSIONS ARE NOT PRINTED TO THE SCALE SHOWN. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

verizon
1275 JOHN STREET, SUITE #100
WEST HENRIETTA, NEW YORK 14586

COSTICH ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

NO	DATE	COMMENTS
0	08/12/2022	ISSUED PRELIMINARY FOR REVIEW
1	08/19/2022	REVISED DRAWINGS, GRADING TOWER ELEVATION AND UTILITIES
2	08/23/2022	REVISED DRAWINGS, UTILITY ROUTING AND SURVEY DESCRIPTION, ISSUED FINAL
3	08/31/2022	REVISED DRAWINGS PER CM AND RF REQUEST, RE-ISSUED FINAL

STATE OF NEW YORK
MICHAEL D RITCHEY
LICENSED PROFESSIONAL ENGINEER
098184

PROJECT MANAGER: D.A.W.

DRAWN BY: B.P.K.

SITE INFORMATION
THORNELL RD.
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
LOCATION CODE: 299125

TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

SHEET TITLE
TITLE

C.E. JOB NUMBER: 7633.01

SHEET NUMBER: GA001

SHEET 01 OF 11

LEGEND

- SECTION/PARCEL BOUNDARY
- MIN. BUILDING SETBACK
- CENTER LINE
- EXIST. RIGHT-OF-WAY LINE
- EXISTING EASEMENT LINE
- EXIST. CONCRETE CURB
- EXIST. EDGE OF PAVEMENT
- EXIST. EDGE OF GRAVEL
- EXISTING WATER MAIN, VALVE, & HYDRANT
- EXISTING SANITARY SEWER, & MANHOLE
- EXISTING DRAINAGE SEWER, FIELD INLET, INLET MANHOLE, MANHOLE, & END SECTION
- EXISTING OVERHEAD UTILITIES
- EXISTING TELEPHONE
- EXISTING UNDERGROUND UTILITIES
- EXISTING GAS
- EXISTING ELECTRIC
- EXISTING WATER LINE
- EXISTING ELEC & TELE
- EXISTING CABLE TV
- EXISTING FIBER
- EXISTING LIGHT CONTROL
- EXISTING GUARD RAIL
- TREE,HEDGE,EDGE OF WOODS
- EXISTING SWALE
- BARBED WIRE,STOCKADE, CHAIN LINKED FENCE
- 410 EXISTING CONTOUR
- x 420.4 EXISTING SPOT ELEVATION @ X
- Ee OnB SOIL TYPE
- CONCRETE PAD/ CONCRETE SIDEWALK
- PROPOSED EASEMENT LINE
- PROPOSED CONCRETE CURB
- PROPOSED WATER MAIN, VALVE, & HYDRANT
- PROPOSED SANITARY SEWER, & MANHOLE
- PROPOSED DRAINAGE SEWER, FIELD INLET, INLET MANHOLE, MANHOLE, & END SECTION
- PROPOSED OVERHEAD UTILITIES
- PROPOSED TELEPHONE
- PROPOSED UNDERGROUND UTILITIES
- PROPOSED GAS SERVICE
- PROPOSED ELECTRIC SERVICE
- PROPOSED ELEC & TELE
- PROPOSED SILT FENCE
- PROPOSED ORANGE CONSTRUCTION FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED COMPOST FILTER SOCK
- PROPOSED GUARD RAILING

SITE NOTES

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS.
2. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PROPOSED PLATFORM.
4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
5. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
6. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH.
9. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE STATE GUIDELINES AND ANY LOCAL REGULATIONS.
10. ALL RESTORATION ISSUES SHALL BE COMPLETED WITHIN 72 HOURS OF THE COMPLETION OF THE WORK ACTIVITY OR WITHIN A REASONABLE AMOUNT OF TIME AS DIRECTED BY CONSTRUCTION MANAGER/ENGINEER.
11. CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES WITHIN AND OUTSIDE THE LIMITS OF CONSTRUCTION AND SPECIFIED WORK AREAS CAUSED BY EQUIPMENT AND MATERIALS. ANY DAMAGE TO THIS NATURAL GROWTH SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR.
12. ALL AREAS DISTURBED BY THE CONTRACTOR WITHOUT AUTHORIZATION SHALL BE RESTORED BY THE CONTRACTOR.
13. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, HE SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CONTINUE HIS WORK OPERATION UNTIL SERVICE IS RESTORED.

STRUCTURAL NOTES:

1. PROPOSED TOWER AND FOUNDATION TO BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
2. THE VERIFICATION OF STRUCTURAL ADEQUACY AND DESIGN OF THE ATTACHMENTS MUST BE PERFORMED, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
3. ALL WORK SHALL CONFORM TO THE CURRENT STANDARD (ANSI/TIA-222-G "STRUCTURAL STANDARD STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS"), NEW YORK STATE BUILDING CODE, AND ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL CODES.

REFERENCES:

1. TOPOGRAPHY SHOWN FROM A FIELD SURVEY BY COSTICH ENGINEERING, D.P.C. ON 08/01/2022. HORIZONTAL AND VERTICAL DATA OBTAINED THROUGH NGS "OPUS".
2. BOUNDARY SURVEY HAS NOT BEEN PERFORMED BY COSTICH ENGINEERING. BOUNDARY SHOWN HEREON IS APPROXIMATE AND DETERMINED BY LIMITED FIELD LOCATION OF BOUNDARY EVIDENCE, REVIEW OF TITLE COMMITMENT, IF PROVIDED, AND OVERLAY OF COUNTY TAX MAPS AND/OR COUNTY GIS MAPPING.
3. STEWART TITLE INSURANCE COMPANY COMMITMENT FOR TITLE INSURANCE NO. 71211659, EFFECTIVE DATE JULY 13, 2022.
4. PER THE NYSDEC FRESHWATER WETLANDS MAP, THERE ARE NO STATE WETLANDS IN PROJECT AREA.
5. PER THE NATIONAL WETLANDS INVENTORY MAPS, THERE ARE NO FEDERAL WETLANDS IN THE PROJECT AREA.
6. PER THE ERSI/FEMA PROJECT IMPACT HAZARD INFORMATION AND AWARENESS SITE MAP THERE IS NO 100 YR. FLOOD PLAIN IN THE PROJECT AREA.
7. PLANS ENTITLED "INSTRUMENT SURVEY MAP". PREPARED BY BRUCE E. FRIES PERSONAL LAND SURVEYOR, DATED 08/17/2005.
8. PER 1A CERTIFICATION, PREPARED BY COSTICH ENGINEERING D.P.C. DATED AUGUST 15, 2022.

EROSION & SEDIMENT CONTROL MEASURES

TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES

GENERAL MEASURES:

1. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
2. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.

PARTICULAR MEASURES:

1. DRAINAGE DITCH SEDIMENT FILTERS, DITCHES, SHALL RECEIVE CHECK DAMS WITH 2-9 INCH STONE MEETING NYS-DOT LIGHT STONE FILL REQUIREMENTS SO AS TO EFFECTIVELY TRAP SEDIMENT AND MINIMIZE ITS RELEASE OFF-SITE. CHECK DAMS SHALL HAVE A 9" MINIMUM WEIR AND BE CONSTRUCTED WITHIN EACH DITCH BEGINNING AT ITS DOWNSTREAM TERMINUS. CHECK DAMS SHALL BE PLACED WITHIN THE CHANNEL SO THAT THE CREST OF THE DOWNSTREAM DAM IS AT THE ELEVATION OF THE TOE OF THE UPSTREAM DAM.
2. SILT FENCES AND COMPOST FILTER SOCKS SHALL BE CONSTRUCTED AROUND ALL STOCKPILES OF FILL, TOPSOIL AND EXCAVATED OVERBURDEN THAT ARE TO REMAIN FOR PERIODS LESS THAN 30 DAYS. SILT FENCES AND COMPOST FILTER SOCKS SHALL BE ANCHORED AND MAINTAINED IN GOOD CONDITION UNTIL SUCH TIME AS STOCKPILES ARE REMOVED AND STOCKPILING AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED.
3. TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILED ON-SITE FOR PERIODS GREATER THAN 30 DAYS SHALL BE STABILIZED BY SEEDING. PRIOR TO THE SEEDING OPERATION, THE STOCKPILED MATERIAL SHALL BE GRADED AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND MULCH ANCHORING.
4. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITH 25 FEET OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.

PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES

1. PERMANENT AND TEMPORARY VEGETATIVE COVER: IMMEDIATELY FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITY OR WHERE WORK IS DELAYED AND WILL NOT BE DISTURBED FOR 21 DAYS OR MORE IN ANY PORTION OF THE SITE. PERMANENT OR TEMPORARY VEGETATION SHALL BE ESTABLISHED WITHIN 14 DAYS ON ALL EXPOSED SOILS. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING DISTURBANCE TO STABILIZE BARE SOIL AND PROMOTE THE PROMPT RE-ESTABLISHMENT OF VEGETATION.
   A. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTACLES.
   B. LIME SHALL BE APPLIED SUFFICIENTLY TO ATTAIN A SOIL ACIDITY pH OF 6.0 TO 7.0.
   C. FERTILIZER (5-10-10 MIXTURE OR EQUIVALENT) SHALL BE APPLIED PER SOIL TEST RESULTS OR AT A RATE OF 600 LBS PER ACRE.
   D. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 14 DAYS SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER. 30 LBS RYEGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS CERTIFIED "AROOSTOCK" WINTER RYE (CEREAL RYE) PER ACRE.
   E. PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN. TOPSOIL AT THE FOLLOWING RATE FOR ROUGH OR OCCASIONAL MOWING AREAS:
      8 LBS EMPIRE BIRDSFOOT TIREFOIL OR COMMON WHITE CLOVER PER ACRE.
      20 LBS TALL FESCUE PER ACRE PLUS
      2 LBS REDTOP OR 5 LBS RYEGRASS (PERENNIAL) PER ACRE

      FOR MOWED AREAS.
      65 LBS KENTUCKY BLUEGRASS PER ACRE
      65 LBS RYEGRASS (PERENNIAL) PER ACRE
   F. ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING, UNLESS OTHERWISE APPROVED.
   G. ALL DISTURBED AREAS SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY APPLYING 2 TONS OF STRAW MULCH PER ACRE. STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 LBS OF WOOD FIBER MULCH PER ACRE WITH A HYDROSEEDER, OR TUCKING THE MULCH WITH SMOOTH DISCS OR OTHER MULCH ANCHORING TOOLS TO A DEPTH OF 3". MULCH ANCHORING TOOLS SHALL BE PULLED ACROSS SLOPES ALONG TOPOGRAPHIC CONTOURS.
2. ALL UNNECESSARY REMOVAL OF HEALTHY TREES SHALL BE AVOIDED. MATERIALS SHALL NOT BE STORED NOR MACHINERY OPERATED WITHIN THE DRIP-LINE OF THE TREES TO REMAIN.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

1. THE CONTRACTOR SHALL ON A DAILY BASIS INSPECT AND MAINTAIN THE INTEGRITY AND FUNCTION OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE DURATION OF THE CONSTRUCTION PROCESS.
2. TO ASSURE PROPER FUNCTION, SILTATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED OR REPLACED AS NECESSARY. WASHOUTS SHALL BE IMMEDIATELY REPAIRED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION.
3. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE AND FROM BEHIND THE COMPOST FILTER SOCKS ONCE IT REACHES 1/2 THE FILTER SOCK HEIGHT. THE SEDIMENT FENCE AND COMPOST FILTER SOCKS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN BARRIER.
4. ALL SEEDED AREAS SHALL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN IN ORDER TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

SOIL AND EROSION CONTROL NOTES

1. TEMPORARY SEDIMENTATION ENTRAPMENT AREAS SHALL BE PROVIDED AT KEY LOCATIONS TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE.
2. SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.
3. AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY SILTATION DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS REGRADED, OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.
4. ALL SEDIMENTATION ENTRAPMENT STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
5. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES (SILT FENCE AND/ OR COMPOST FILTER SOCKS) AROUND AREAS BEING DISTURBED DURING CONSTRUCTION AND AS NECESSARY.
6. CONTRACTOR TO INSTALL SILT FENCE OR COMPOST FILTER SOCKS DOWNSLOPE OF ALL UTILITY TRENCHES.
7. DISTANCES SHOWN FROM THE WETLANDS IF ANY ON THE CONSTRUCTION PLANS AND SOIL EROSION AND SEDIMENT CONTROL PLANS ESTABLISH THE MINIMUM SEPARATION PERMITTED BETWEEN THE PROPOSED CONSTRUCTION ACTIVITIES AND BOUNDARY OF THE WETLANDS.
   7.1. AREA OF DISTURBANCE LINES SHALL BE CLEARLY DELINEATED IN THE FIELD BY INSTALLING ORANGE CONSTRUCTION FENCING AROUND THE ENTIRE PROPOSED CONSTRUCTION AREA. EXCEPT AS NECESSARY TO PROVIDE MITIGATION PLANTINGS, NO ENCROACHMENT BEYOND THESE LIMITS BY WORKERS OR MACHINERY SHALL BE PERMITTED.
   7.2. GRADING AND CLEARING AND OTHER CONSTRUCTION-RELATED ACTIVITIES SHALL TAKE PLACE ONLY WITHIN THE DELINEATED AREA OF DISTURBANCE LINES. THESE AREAS OF DISTURBANCE LINES REPRESENT THE MAXIMUM LIMITS OF CONSTRUCTION ACTIVITIES. EVERY ATTEMPT SHALL BE MADE TO FURTHER REDUCE GRADING AND CLEARING ACTIVITIES WITHIN THE AREA OF DISTURBANCE LINES BY MAINTAINING NATURAL VEGETATION AND TOPOGRAPHY WHEREVER PRACTICABLE.
   7.3. ALL CONSTRUCTION AND CONSTRUCTION RELATED-ACTIVITIES OCCURRING ON THIS SITE SHALL COMPLY WITH THE STANDARDS AND RECOMMENDATIONS OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
   7.4. PRIOR TO THE COMMENCEMENT OF ANY SITE WORK, THE APPLICANT SHALL STAKE THE LOCATION OF THE CONSTRUCTION ACTIVITY FOR INSPECTION AND APPROVAL BY THE TOWN ENGINEER (IF REQUIRED).
   7.5. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THIS PLAN SHALL BE IN PLACE PRIOR TO THE START OF ANY SITE WORK. THE TOWN ENGINEER SHALL HAVE INSPECTED THE INSTALLATION OF ALL REQUIRED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE AUTHORIZATION TO PROCEED WITH ANY PHASE OF THE SITE WORK (IF REQUIRED).
   7.6. THROUGHOUT THE CONSTRUCTION PERIOD, A QUALIFIED PROFESSIONAL RETAINED BY THE APPLICANT SHALL, ON AT LEAST A WEEKLY BASIS, PRIOR TO ANY PREDICTED RAIN EVENT AND AFTER RUNOFF-PRODUCING RAIN EVENT, INSPECT THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO ENSURE THEIR PROPER FUNCTIONING.
   7.7. ALL DRAINAGE STRUCTURES AND ANY OTHER REQUIRED UTILITY APPURTENANCES SHALL BE INSTALLED AS REQUIRED BY TOWN SPECIFICATIONS AND AS SHOWN ON THESE PLANS.
   7.8. IF THE APPLICANT, DURING THE COURSE OF CONSTRUCTION, ENCOUNTERS SUCH CONDITIONS AS FLOOD AREAS, UNDERGROUND WATER, SOFT OR SILTY AREAS, IMPROPER DRAINAGE, OR OTHER UNUSUAL CIRCUMSTANCES OR CONDITIONS THAT WERE NOT FORESEEN IN THE ORIGINAL PLANNING, THEY SHALL REPORT SUCH CONDITIONS IMMEDIATELY TO THE TOWN ENGINEER. THE APPLICANT MAY SUBMIT, IF THEY SO DESIRE, THEIR RECOMMENDATIONS AS THE SPECIAL TREATMENT TO BE GIVEN SUCH AREAS TO SECURE ADEQUATE, PERMANENT AND SATISFACTORY CONSTRUCTION. THE TOWN ENGINEER, WITHOUT UNNECESSARY DELAY, SHALL INVESTIGATE THE CONDITION OR CONDITIONS, AND SHALL EITHER APPROVE THE APPLICANT'S RECOMMENDATION TO CORRECT THE CONDITIONS, ORDER A MODIFICATION THEROF, OR ISSUE THEIR OWN SPECIFICATION FOR THE CORRECTION OF THE CONDITIONS. IN THE EVENT OF THE APPLICANT'S DISAGREEMENT WITH THE DECISION OF THE TOWN ENGINEER, OR IN THE EVENT OF A SIGNIFICANT CHANGE RESULTING TO THE SITE PLAN OR ANY CHANGE THAT INVOLVES WETLAND REGULATED AREAS, THE MATTER SHALL BE DECIDED BY THE PLANNING BOARD. ANY SUCH CONDITIONS OBSERVED BY THE PLANNING BOARD OR ITS AGENTS SHALL BE SIMILARLY TREATED.

verizon

1275 JOHN STREET, SUITE #100
WEST HENRIETTA, NEW YORK 14586

COSTICH ENGINEERING
- CIVIL ENGINEERING
- LAND SURVEYING
- LANDSCAPE ARCHITECTURE

217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

NO.	DATE	COMMENTS
0	08/12/2022	ISSUED PRELIMINARY FOR REVIEW
1	08/19/2022	REVISED DRAWINGS, GRADING, TOWER ELEVATION AND UTILITIES
2	08/23/2022	REVISED DRAWINGS, UTILITY ROUTING AND SURVEY DESCRIPTION, ISSUED FINAL
3	08/31/2022	REVISED DRAWINGS PER CM AND RF REQUEST, RE-ISSUED FINAL

STATE OF NEW YORK — MICHAEL O'RITCHEY — 096184 — LICENSED PROFESSIONAL ENGINEER

PROJECT MANAGER: D.A.W.

DRAWN BY: B.P.K.

SITE INFORMATION

THORNELL RD.
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
LOCATION CODE: 299125

TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

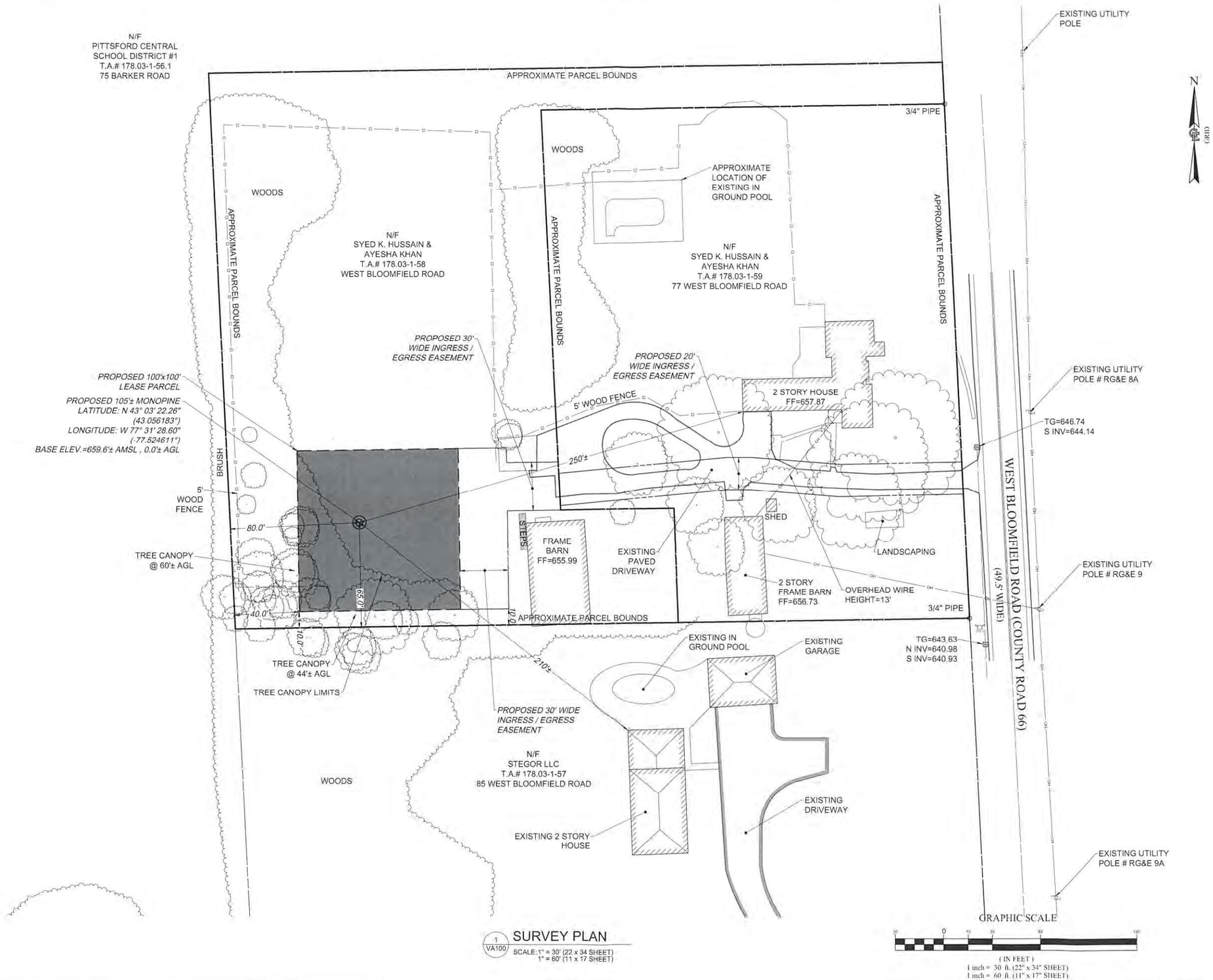
SHEET TITLE

GENERAL NOTES

C.E. JOB NUMBER: 7633.01

SHEET NUMBER: GA002

SHEET 02 OF 11



1 VA100 SURVEY PLAN
SCALE:1" = 30' (22 x 34 SHEET)
1" = 60' (11 x 17 SHEET)

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STATE OF NEW YORK
MICHAEL D RITCHIE
096184
LICENSED PROFESSIONAL ENGINEER

PROJECT MANAGER: D.A.W.
DRAWN BY: B.P.K.

SITE INFORMATION
THORNELL RD.
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
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TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

SHEET TITLE
SURVEY PLAN

C.E. JOB NUMBER: 7633.01
SHEET NUMBER: VA100
SHEET 03 OF 11

SURVEY REFERENCES

1. STEWART TITLE INSURANCE COMPANY COMMITMENT FOR TITLE INSURANCE NO. 71211659, EFFECTIVE DATE JULY 13, 2022.
2. MAP ENTITLED "INSTRUMENT SURVEY MAP 77 WEST BLOOMFIELD ROAD" PREPARED BY BRUCE FRIES DATED AUGUST 17, 2005.

GENERAL NOTES

1. HORIZONTAL DATUM IS REFERENCED TO NEW YORK STATE PLANE COORDINATE SYSTEM OF 1983, WEST ZONE, NAD 83 (2011) PER GPS OBSERVATIONS ON 8/1/2022
2. VERTICAL DATUM IS REFERENCED TO NAVD 88 (GEOID 12B) PER GPS OBSERVATIONS ON 8/1/2022
3. BOUNDARY SURVEY OR SEARCH OF DEEDS, OTHER THAN REFRENCES SHOWN HEREON, WAS NOT PERFORMED. APPROXIMATE PROPERTY LINES SHOWN HEREON FROM COUNTY TAX MAPS/GIS, FIELD LOCATIONS OF PROPERTY CORNERS AND PROPERTY LINE OCCUPATION.
4. UNDERGROUND UTILITIES OR IMPROVEMENTS, IF ANY, AND NOT VISIBLE AT TIME OF SURVEY ARE NOT SHOWN.
5. THIS SURVEY IS FOR SITE PLAN/ ENGINEERING PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR THE TRANSFER OF TITLE.
6. SUBJECT TO THE RIGHTS OF THE PUBLIC IN AND TO THAT PORTION OF THE DEDICATED ROAD FOR NORMAL HIGHWAY PURPOSES.

TITLE REVIEW

PER STEWART TITLE INSURANCE COMPANY COMMITMENT FOR TITLE INSURANCE NO. 71211659, EFFECTIVE DATE JULY 13, 2022, SURVEY PERTINENT SCHEDULE B - SECTION II DETERMINATIONS ARE:

11. COVENANTS AND RESTRICTIONS RECITED IN DEED RECORDED IN LIBER 3339 OF DEEDS, PAGE 448. DOCUMENT ALLOWED FOR THE PARTIES OF THE FIRST PART TO RESERVE A TEMPORARY RIGHT-OF-WAY OVER A BLACKTOP DRIVE FOR A YEAR AND A TEMPORARY RIGHT-OF WAY FOR THE PERIOD OF THREE YEARS OVER A TEN FOOT WIDE DRIVEWAY TO THE NORTH SIDE OF THE PREMISES, FROM THE DATE OF THE DOCUMENT. DOCUMENT IS DATED MAY 31, 1961, THE TEMPORARY EASEMENTS DO NOT AFFECT THIS PARCEL ANY LONGER.

PARENT PARCEL

TAX PARCEL NO. 178.03-1-59
ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN LOT 10, TOWNSHIP 12, RANGE 5, TOWN OF PITTSFORD, MONROE COUNTY, NEW YORK, BOUNDED AS FOLLOWS:

BEGINNING AT A POINT IN THE CENTER LINE OF WEST BLOOMFIELD ROAD, SAID POINT BEING SOUTHERLY 876.38 FEET AS MEASURED ALONG THE CENTER LINE OF SAID ROAD FROM ITS INTERSECTION WITH THE CENTER LINE OF BARKER ROAD, SAID POINT OF BEGINNING ALSO BEING THE NORTHEAST CORNER OF LAND OWNED BY NORMAN R. AND MARION T. NEWMAN AND RUNNING THENCE SOUTH 2° 53' 20" EAST ALONG THE CENTER LINE OF SAID WEST BLOOMFIELD ROAD 275.00 FEET TO A POINT; THENCE FOLLOWING COURSES AND DISTANCES ALONG LAND RESERVED BY SAID JOSEPH C. LORTSCHER AND STANLEY J. DRIES SOUTH 89° 06' 30" WEST PASSING THROUGH AN IRON PIPE 24.77 FEET DISTANT IN THE WEST LINE OF SAID WEST BLOOMFIELD ROAD AND CONTINUING ON THE SAME COURSE 250.00 FEET FARTHER, COMPRISING A TOTAL DISTANCE OF 274.77 FEET TO AN IRON PIPE AND NORTH 2° 53' 20" WEST 275.00 FEET TO AN IRON PIPE IN THE SOUTH LINE OF LAND OF SAID NORMAN R. AND MARION T. NEWMAN; THENCE NORTH 89° 6' 30" EAST ALONG THE SOUTH LINE OF SAID NEWMAN AND PASSING THROUGH AN IRON PIPE 250.00 FEET IN THE WEST LINE OF SAID WEST BLOOMFIELD ROAD AND CONTINUING ON THE SAME COURSE 24.77 FEET DISTANT FARTHER TO THE POINT AND PLACE OF BEGINNING, ACCORDING TO A SURVEY MADE BY HARNISH AND LOOKUP, MAY 1, 1961. EXCEPTING AND RESERVING THEREFROM THE NORTHERLY 26 FEET.

ALSO ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN LOT NO. 10, TOWNSHIP 12, RANGE 5, TOWN OF PITTSFORD, COUNTY OF MONROE, STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE CENTER LINE OF WEST BLOOMFIELD ROAD, SAID POINT BEING SOUTHERLY 1,151.38 FEET AS MEASURED ALONG THE CENTER LINE OF SAID ROAD FROM ITS INTERSECTION WITH THE CENTER LINE OF BARKER ROAD; THENCE (1) SOUTH 2° 53' 20" EAST ALONG THE CENTER LINE OF WEST BLOOMFIELD ROAD 71 FEET MORE OR LESS TO A POINT WHICH IS THE NORTHEAST CORNER OF PREMISES CONVEYED TO IVAN J. TREMBLEY BY DEED RECORDED IN THE MONROE COUNTY CLERK'S OFFICE IN LIBER 3338 OF DEEDS, PAGE 358; THENCE (2) SOUTH 89° 06' 30" WEST 204.27 FEET MORE OR LESS ALONG THE NORTH BOUNDARY OF SAID IVAN J. TREMBLEY'S PROPERTY TO A POINT; THENCE (3) NORTH 2° 53' 20" WEST 71 FEET MORE OR LESS TO A POINT IN THE SOUTH BOUNDARY OF PREMISES CONVEYED TO CARSON W. ELLIOTT, JR. AND MARY M. ELLIOTT BY DEED RECORDED IN THE MONROE COUNTY CLERK'S OFFICE IN LIBER 3339 OF DEEDS, PAGE 448, THENCE (4) NORTH 89° 06' 30" EAST, 204.27 FEET MORE OR LESS TO THE POINT OF BEGINNING.

TAX PARCEL NO. 178.03-1-58
ALSO, ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN LOT 10, TOWNSHIP 12, RANGE 5, TOWN OF PITTSFORD, COUNTY OF MONROE AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE CENTER LINE OF THE WEST BLOOMFIELD ROAD, SAID POINT BEING SOUTHERLY 876.38 FEET AS MEASURED ALONG THE CENTER LINE OF SAID ROAD FROM ITS INTERSECTION WITH THE CENTER LINE OF BARKER ROAD, SAID POINT ALSO BEING THE NORTHEASTERLY CORNER OF A PARCEL OF LAND CONVEYED TO JOSEPH C. LORTSCHER BY RITA LEACH AND STANLEY J. DRIES BY RITA LEACH BY DEED RECORDED IN THE MONROE COUNTY CLERK'S OFFICE JANUARY 23, 1961 IN LIBER 3318 OF DEEDS, PAGE 384; THENCE SOUTH 89° 06' 30" WEST A DISTANCE OF 480.00 FEET TO AN IRON PIPE SET AT THE NORTHWESTERLY CORNER OF THE ABOVE MENTIONED PARCEL OF LAND CONVEYED BY SAID JOSEPH C. LORTSCHER AND STANLEY J. DRIES; THENCE SOUTH 2° 53' 20" EAST A DISTANCE OF 346.00 FEET TO A POINT MARKED BY AN IRON PIPE; THENCE NORTH 89° 06' 30" EAST A DISTANCE OF 275.73 FEET TO A POINT MARKED BY AN IRON PIPE; THENCE NORTH 2° 06' 30" WEST A DISTANCE OF 71 FEET TO A POINT MARKED BY AN IRON PIPE; THENCE SOUTH 89° 06' 30" WEST A DISTANCE OF 70.50 FEET TO A POINT MARKED BY AN IRON PIPE; THENCE NORTH 2° 53' 20" WEST A DISTANCE OF 249.00 FEET TO A POINT MARKED BY AN IRON PIPE; THENCE NORTH 89° 06' 30" EAST, A DISTANCE OF 274.77 FEET TO A POINT IN THE CENTER LINE OF THE WEST BLOOMFIELD ROAD; THENCE NORTH 2° 53' 20" WEST IN THE CENTER LINE OF WEST BLOOMFIELD ROAD, A DISTANCE OF 26.00 FEET TO THE POINT OF BEGINNING.

LEASE PARCEL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF PITTSFORD, COUNTY OF MONROE, STATE OF NEW YORK, ALL AS SHOWN ON A MAP ENTITLED "THORNELL ROAD BLOOMFIELD ALTERNATE SURVEY PLAN", PREPARED BY COSTICH ENGINEERING, D.P.C., HAVING DRAWING NUMBER 7633-VA100, DATED 08/12/2022, LAST REVISED 08/23/2022, AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT A 3/4" PIPE FOUND ON THE ASSUMED WESTERLY RIGHT-OF-WAY OF WEST BLOOMFIELD ROAD (COUNTY ROAD 66) (49.5' WIDE R.O.W.), SAID POINT BEING ON THE COMMON LINE BETWEEN LANDS NOW OR FORMERLY OWNED BY STEGOR LLC (T.A. #178.03-1-57) TO THE SOUTH AND LANDS NOW OR FORMERLY OWNED BY SYED HUSSAIN & AYESHA KHAN (T.A. #178.03-1-59) TO THE NORTH; THENCE

A. N89°04'36"W, ALONG A TIE LINE AND THROUGH SAID LANDS NOW OR FORMERLY OWNED BY SYED HUSSAIN & AYESHA KHAN (T.A. #178.03-1-59) A DISTANCE OF 315.72 FEET TO THE POINT AND PLACE OF BEGINNING; THENCE

1. S89°06'30"W, A DISTANCE OF 100.00 FEET TO A POINT; THENCE
2. N00°53'30"W, A DISTANCE OF 100.00 FEET TO A POINT; THENCE
3. N89°06'30"E, A DISTANCE OF 100.00 FEET TO A POINT; THENCE
4. S00°53'30"E, A DISTANCE OF 100.00 FEET TO THE POINT AND PLACE OF BEGINNING. CONTAINING 10,000 SQUARE FEET OF LAND, MORE OR LESS

20' INGRESS / EGRESS EASEMENT DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF PITTSFORD, COUNTY OF MONROE, STATE OF NEW YORK, ALL AS SHOWN ON A MAP ENTITLED "THORNELL ROAD BLOOMFIELD ALTERNATE SURVEY PLAN", PREPARED BY COSTICH ENGINEERING, D.P.C., HAVING DRAWING NUMBER 7633-VA100, DATED 08/12/2022, LAST REVISED 08/23/2022, AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT A 3/4" PIPE FOUND ON THE ASSUMED WESTERLY RIGHT-OF-WAY OF WEST BLOOMFIELD ROAD (COUNTY ROAD 66) (49.5' WIDE R.O.W.), SAID POINT BEING ON THE COMMON LINE BETWEEN LANDS NOW OR FORMERLY OWNED BY STEGOR LLC (T.A. #178.03-1-57) TO THE SOUTH AND LANDS NOW OR FORMERLY OWNED BY SYED HUSSAIN & AYESHA KHAN (T.A. #178.03-1-59) TO THE NORTH; THENCE

A. N02°53'20"W, ALONG SAID ASSUMED WESTERLY BOUNDS OF WEST BLOOMFIELD ROAD, A DISTANCE OF 77.26 FEET TO THE POINT AND PLACE OF BEGINNING; THENCE

1. S88°45'07"W, A DISTANCE OF 76.57 FEET TO A POINT; THENCE
2. N85°32'06"W, A DISTANCE OF 55.24 FEET TO A POINT; THENCE
3. N89°57'20"W, A DISTANCE OF 14.25 FEET TO A POINT; THENCE
4. S84°31'11"W, A DISTANCE OF 104.40 FEET TO A POINT; THENCE
5. N02°53'20"W, A DISTANCE OF 20.02 FEET TO A POINT; THENCE
6. N84°31'11"E, A DISTANCE OF 104.46 FEET TO A POINT; THENCE
7. S89°57'20"E, A DISTANCE OF 15.99 FEET TO A POINT; THENCE
8. S85°32'06"E, A DISTANCE OF 55.01 FEET TO A POINT; THENCE
9. N88°45'07"E, A DISTANCE OF 75.00 FEET TO A POINT ON SAID ASSUMED WESTERLY BOUNDS OF WEST BLOOMFIELD ROAD; THENCE
10. S02°53'20"E, ALONG SAID ASSUMED WESTERLY BOUNDS OF WEST BLOOMFIELD ROAD, A DISTANCE OF 20.01 FEET TO THE POINT AND PLACE OF BEGINNING.

30' INGRESS / EGRESS EASEMENT DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF PITTSFORD, COUNTY OF MONROE, STATE OF NEW YORK, ALL AS SHOWN ON A MAP ENTITLED "THORNELL ROAD BLOOMFIELD ALTERNATE SURVEY PLAN", PREPARED BY COSTICH ENGINEERING, D.P.C., HAVING DRAWING NUMBER 7633-VA100, DATED 08/12/2022, LAST REVISED 08/23/2022, AND BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT A 3/4" PIPE FOUND ON THE ASSUMED WESTERLY RIGHT-OF-WAY OF WEST BLOOMFIELD ROAD (COUNTY ROAD 66) (49.5' WIDE R.O.W.), SAID POINT BEING ON THE COMMON LINE BETWEEN LANDS NOW OR FORMERLY OWNED BY STEGOR LLC (T.A. #178.03-1-57) TO THE SOUTH AND LANDS NOW OR FORMERLY OWNED BY SYED HUSSAIN & AYESHA KHAN (T.A. #178.03-1-59) TO THE NORTH; THENCE

A. N75°11'19"W, ALONG A TIE LINE AND THROUGH SAID LANDS NOW OR FORMERLY OWNED BY SYED HUSSAIN & AYESHA KHAN (T.A. #178.03-1-59) A DISTANCE OF 262.27 FEET TO THE POINT AND PLACE OF BEGINNING; THENCE

1. S89°06'30"W, A DISTANCE OF 33.08 FEET TO A POINT; THENCE
2. S00°53'30"E, A DISTANCE OF 60.98 FEET TO A POINT; THENCE
3. S89°06'30"W, A DISTANCE OF 30.00 FEET TO A POINT; THENCE
4. N00°53'30"W, A DISTANCE OF 100.00 FEET TO A POINT; THENCE
5. N89°06'30"E, A DISTANCE OF 30.00 FEET TO A POINT; THENCE
6. S00°53'30"E, A DISTANCE OF 9.02 FEET TO A POINT; THENCE
7. N89°06'30"E, A DISTANCE OF 32.03 FEET TO A POINT; THENCE
8. S02°53'20"E, A DISTANCE OF 30.02 FEET TO THE POINT AND PLACE OF BEGINNING.

verizon

1275 JOHN STREET, SUITE #100
WEST HENRIETTA, NEW YORK 14586

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3	08/31/2022	REVISED DRAWINGS PER CM AND RF REQUEST. RE-ISSUED FINAL

STATE OF NEW YORK
MICHAEL O RITCH
096184
LICENSED PROFESSIONAL ENGINEER

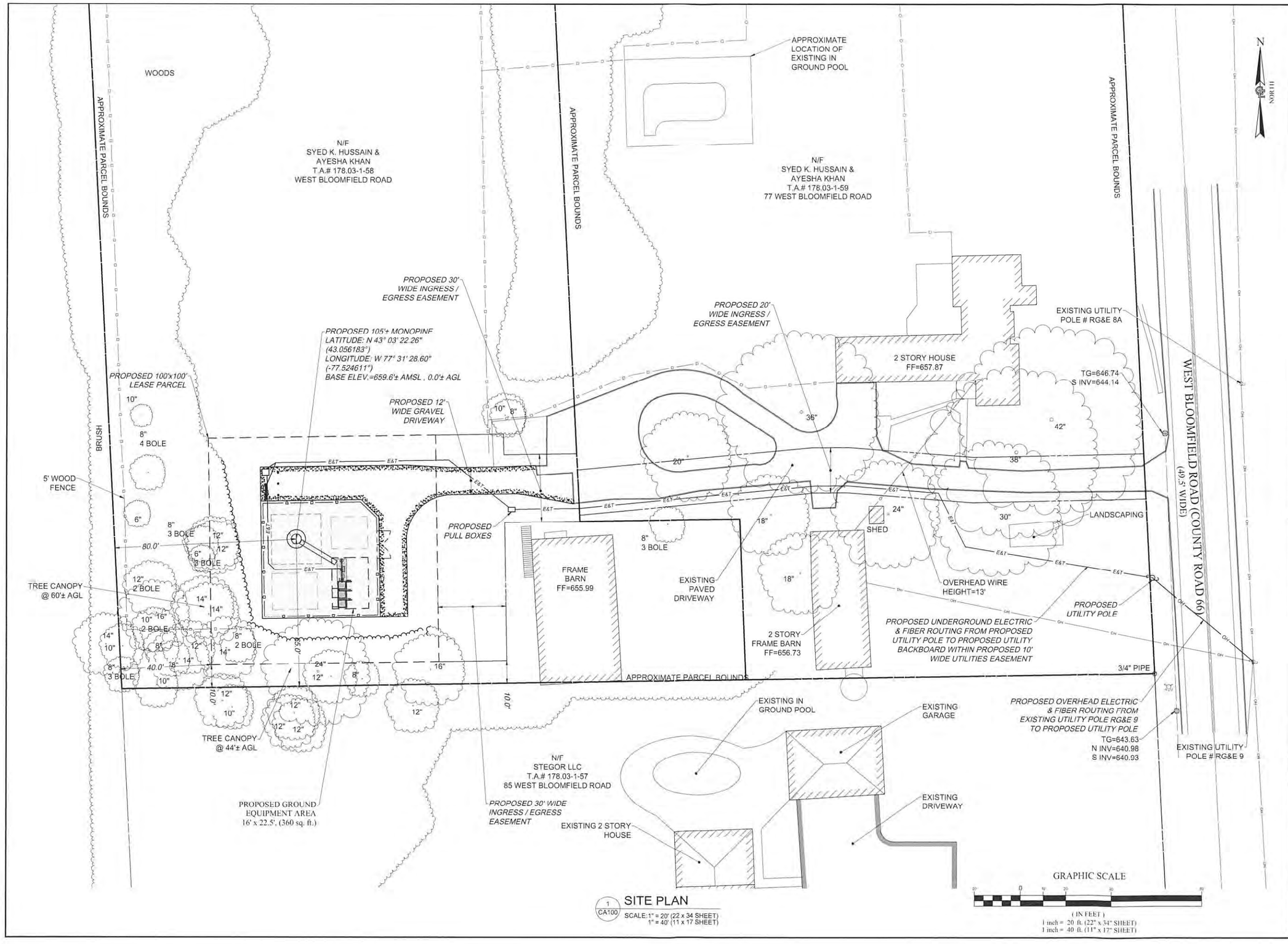
PROJECT MANAGER: D.A.W.
DRAWN BY: B.P.K.

SITE INFORMATION
THORNELL RD.
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
LOCATION CODE: 299125

TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

SHEET TITLE
SURVEY NOTES

C.E. JOB NUMBER: 7633.01
SHEET NUMBER: VA110
SHEET 04 OF 11



1 CA100 **SITE PLAN**
SCALE:1" = 20' (22 x 34 SHEET)
1" = 40' (11 x 17 SHEET)

verizon

1275 JOHN STREET, SUITE #100
WEST HENRIETTA, NEW YORK 14586

COSTICH ENGINEERING
- CIVIL ENGINEERING
- LAND SURVEYING
- LANDSCAPE ARCHITECTURE

217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

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MICHAEL O RITCHIE
096184
LICENSED PROFESSIONAL ENGINEER

PROJECT MANAGER: D.A.W.
DRAWN BY: B.P.K.

SITE INFORMATION

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PROJECT#: 20191970950
LOCATION CODE: 299125

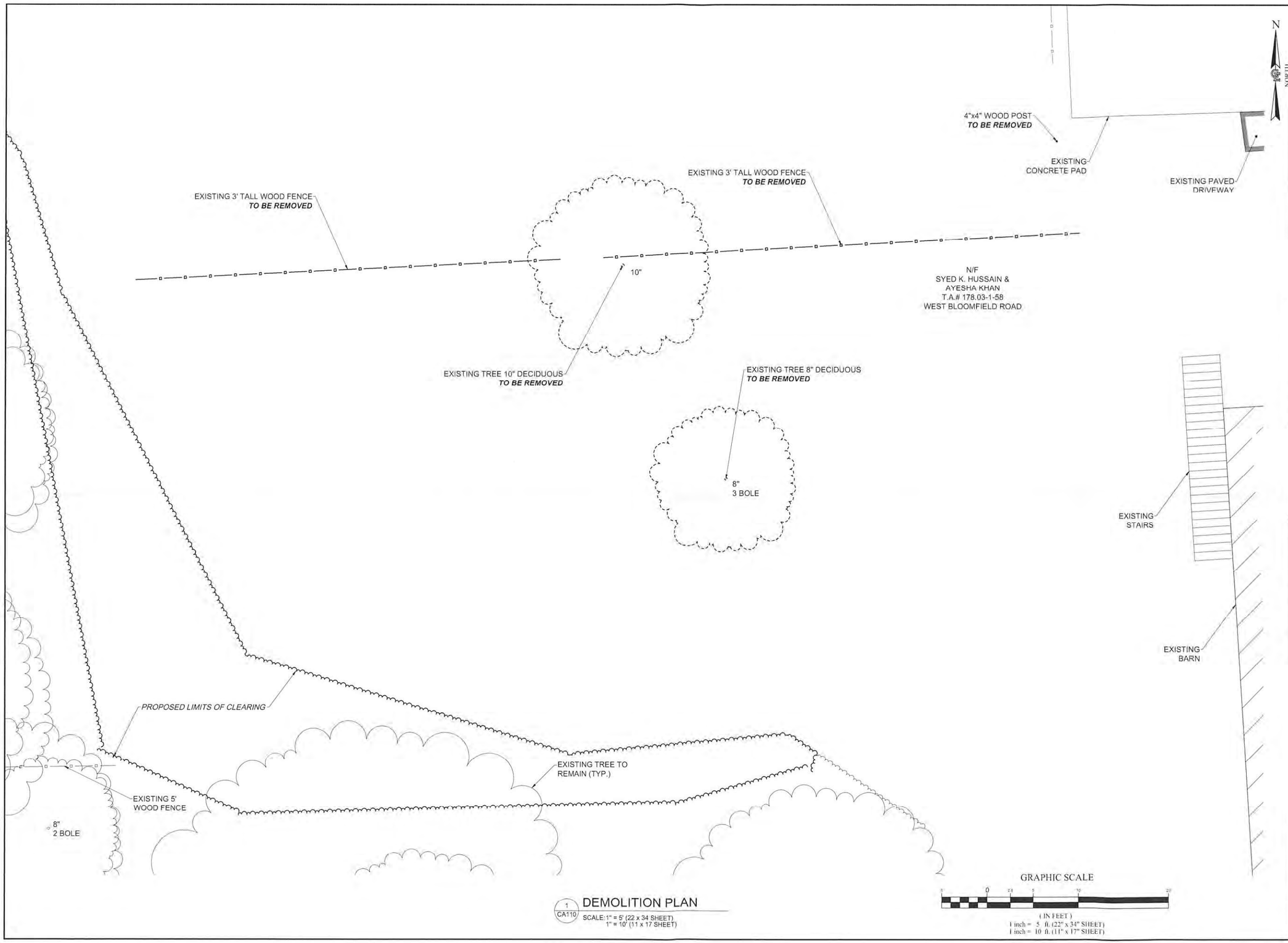
TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

SHEET TITLE

SITE PLAN

C.E. JOB NUMBER: 7633.01

SHEET NUMBER: CA100



1 / CA110 DEMOLITION PLAN

SCALE: 1" = 5' (22 x 34 SHEET)
1" = 10' (11 x 17 SHEET)

GRAPHIC SCALE

0 2.5 5 10 20

(IN FEET)
1 inch = 5 ft. (22" x 34" SHEET)
1 inch = 10 ft. (11" x 17" SHEET)

verizon

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COSTICH ENGINEERING

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- LAND SURVEYING
- LANDSCAPE ARCHITECTURE

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(585) 458 3020

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STATE OF NEW YORK
MICHAEL O. RITCHIE
096184
LICENSED PROFESSIONAL ENGINEER

PROJECT MANAGER
D.A.W.

DRAWN BY
B.P.K.

SITE INFORMATION

THORNELL RD.
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
LOCATION CODE: 299125

TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

SHEET TITLE

DEMOLITION PLAN

C.E. JOB NUMBER
7633.01

SHEET NUMBER
CA110

SHEET 06 OF 11

PROPOSED UNDERGROUND ELECTRIC & FIBER ROUTING FROM PROPOSED UTILITY POLE TO PROPOSED UTILITY BACKBOARD WITHIN PROPOSED 10' WIDE UTILITIES EASEMENT

PROPOSED TRANSFORMER

PROPOSED BOLLARD (TYP. OF 3) 5' O.C.

PROPOSED FIBER CABINET ON PROPOSED METER BOARD

PROPOSED UTILITY METER BOARD

PROPOSED 105'± MONOPINE
LATITUDE: N 43° 03' 22.26"
(43.056183°)
LONGITUDE: W 77° 31' 28.60"
(-77.524611°)
BASE ELEV.=659.6'± AMSL , 0.0'± AGL

PROPOSED 12' WIDE GRAVEL DRIVEWAY

EXISTING CONCRETE PAD

EXISTING PAVED DRIVEWAY

N/F
SYED K. HUSSAIN &
AYESHA KHAN
T.A.# 178.03-1-58
WEST BLOOMFIELD ROAD

PROPOSED PULL BOXES

FUTURE CARRIER

PROPOSED 2' WIDE CABLE BRIDGE (18'± V.I.F.)

PROPOSED ELECTRIC AND FIBER ROUTING FROM METER BOARD TO PROPOSED EQUIPMENT MOUNTED ON H-FRAME

PROPOSED EQUIPMENT H-FRAME

FUTURE CARRIER

PROPOSED EQUIPMENT CABINETS ON 4'x 11.5' CONCRETE PAD

EXISTING STAIRS

PROPOSED 30' WIDE INGRESS / EGRESS EASEMENT

EXISTING BARN

EXISTING TREE TO REMAIN (TYP.)

PROPOSED LIMITS OF CLEARING

EXISTING 5' WOOD FENCE

8" ∨ 2 BOLE

15'±
7'±
16'±
14.5'±
50'±
13.5'±
3.5'±
12'±

1 CA120 COMPOUND SITE PLAN
SCALE: 1" = 5' (22 x 34 SHEET)
1" = 10' (11 x 17 SHEET)

GRAPHIC SCALE
0 2.5 5 10 20
(IN FEET)
1 inch = 5 ft. (22" x 34" SHEET)
1 inch = 10 ft. (11" x 17" SHEET)

verizon
1275 JOHN STREET, SUITE #100
WEST HENRIETTA, NEW YORK 14586

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• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
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(585) 458-3020

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STATE OF NEW YORK · MICHAEL O RITTER · 096184 · LICENSED PROFESSIONAL ENGINEER

PROJECT MANAGER: D.A.W.

DRAWN BY: B.P.K.

SITE INFORMATION

THORNELL RD.
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
LOCATION CODE: 299125

TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

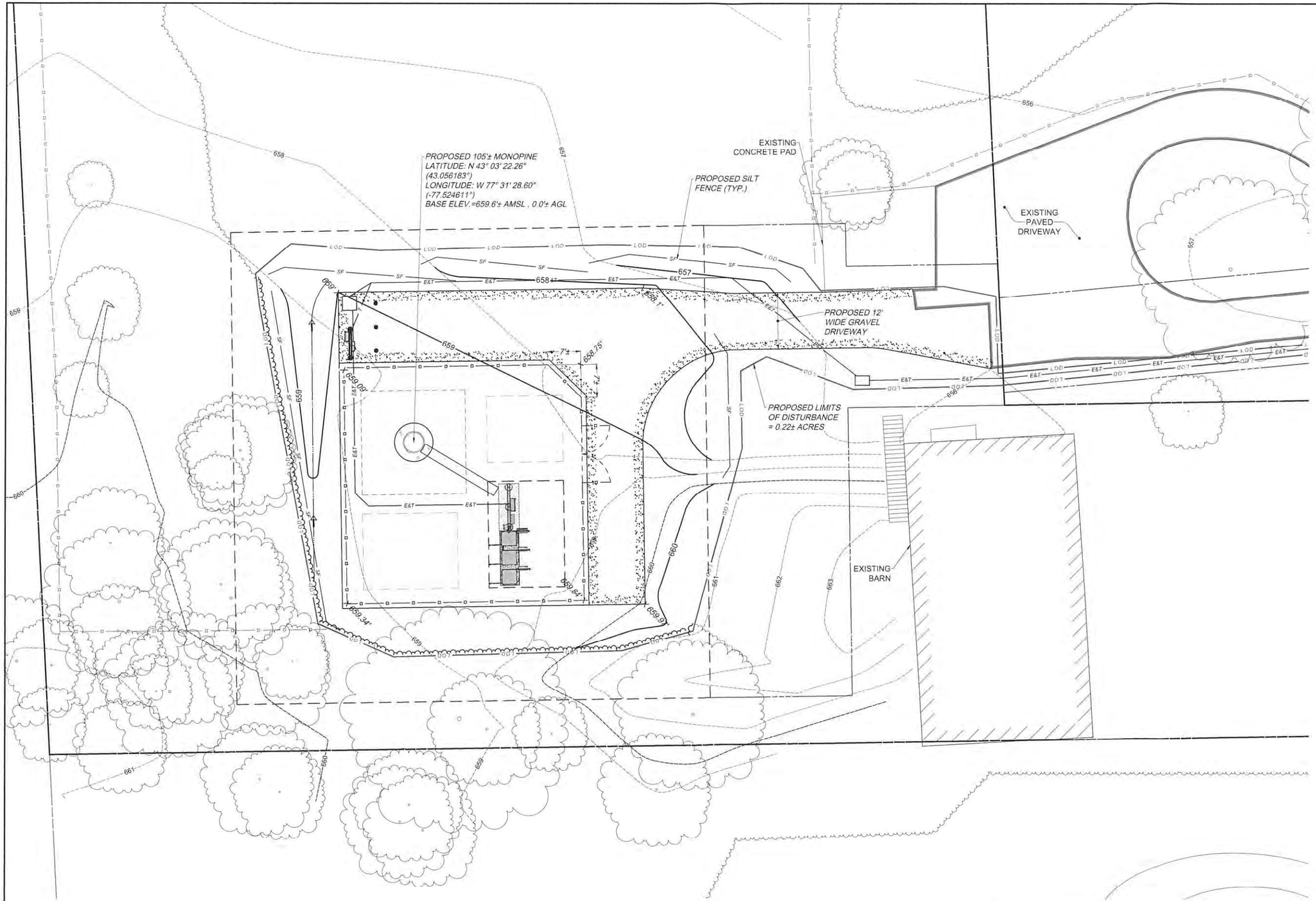
SHEET TITLE

COMPOUND SITE PLAN

C.E. JOB NUMBER: 7633.01

SHEET NUMBER: CA120

SHEET 07 OF 11



1 CA130 GRADING & EROSION CONTROL PLAN
SCALE 1" = 10' (22 x 34 SHEET)
1" = 20' (11 x 17 SHEET)

GRAPHIC SCALE
(IN FEET)
1 inch = 10 ft. (22" x 34" SHEET)
1 inch = 20 ft. (11" x 17" SHEET)

verizon

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STATE OF NEW YORK
RICHARD D RITCHIE
096184
LICENSED PROFESSIONAL ENGINEER

PROJECT MANAGER
D.A.W.

DRAWN BY
B.P.K.

SITE INFORMATION
THORNELL RD.
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
LOCATION CODE: 299125

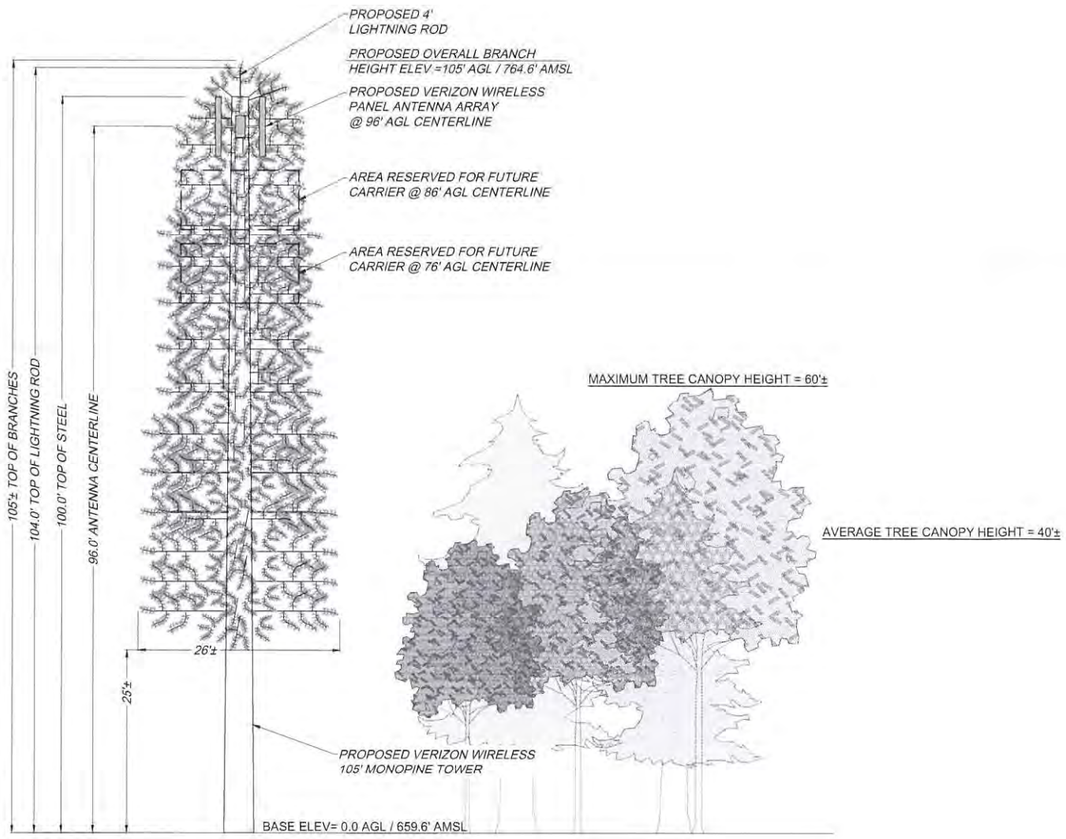
TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

SHEET TITLE
GRADING & EROSION CONTROL PLAN

C.E. JOB NUMBER
7633.01

SHEET NUMBER
CA130

SHEET 08 OF 11



1 CA500 TOWER ELEVATION

SCALE: 1" = 10' (22 x 34 SHEET)
1" = 20' (11 x 17 SHEET)

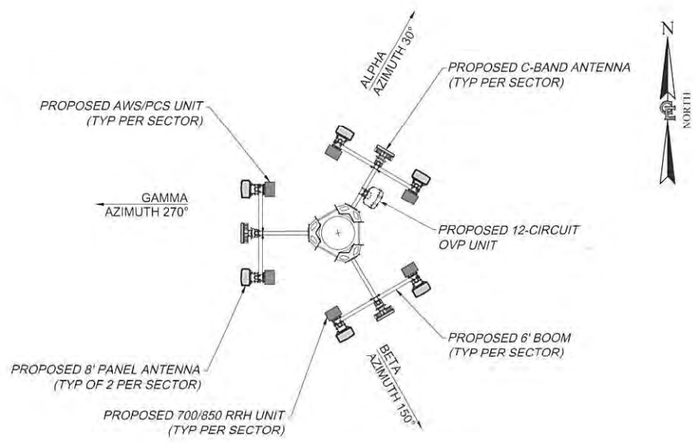
GRAPHIC SCALE

10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft. (22" x 34" SHEET)
1 inch = 20 ft. (11" x 17" SHEET)

1. NO FAA OBSTRUCTION LIGHTING IS PROPOSED BY VERIZON WIRELESS UNLESS IT IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION OR THE LOCAL MUNICIPALITY.
2. ALL REFERENCES TO THE TOWER AND ITS FOUNDATION ARE TO BE DIRECTED TO THE DESIGN AND DETAIL DRAWINGS BY THE TOWER SUPPLIER.
3. TOWER SHALL BE DESIGNED/CONSTRUCTED TO BE 100' TALL WITH BRANCHING UP TO 105', TO ACCOMMODATE A TOTAL OF (3) THREE WIRELESS CARRIERS. (ELEV. 76', 86' AND 96')
4. THERE SHALL BE NO PERMANENT CLIMBING PEGS WITHIN 15' OF THE GROUND OF ANY TOWER.
5. PROPOSED ANTENNAS SHALL BE INSTALLED IN ACCORDANCE WITH THE SITE SPECIFIC RF ANTENNA DESIGN SHEET SUPPLIED BY THE RF SYSTEMS ENGINEER.

NOTES:

- THE TOWER AND ALL EQUIPMENT / APPURTENANCES SHALL BE PAINTED DARK CHARCOAL GREY OR BLACK WITH NON-REFLECTIVE FLAT OR MATTE FINISH.



2 CA500 ANTENNA ORIENTATION

SCALE: 1" = 5' (22 x 34 SHEET)
1" = 10' (11 x 17 SHEET)

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PROJECT MANAGER: D.A.W.
DRAWN BY: B.P.K.

SITE INFORMATION

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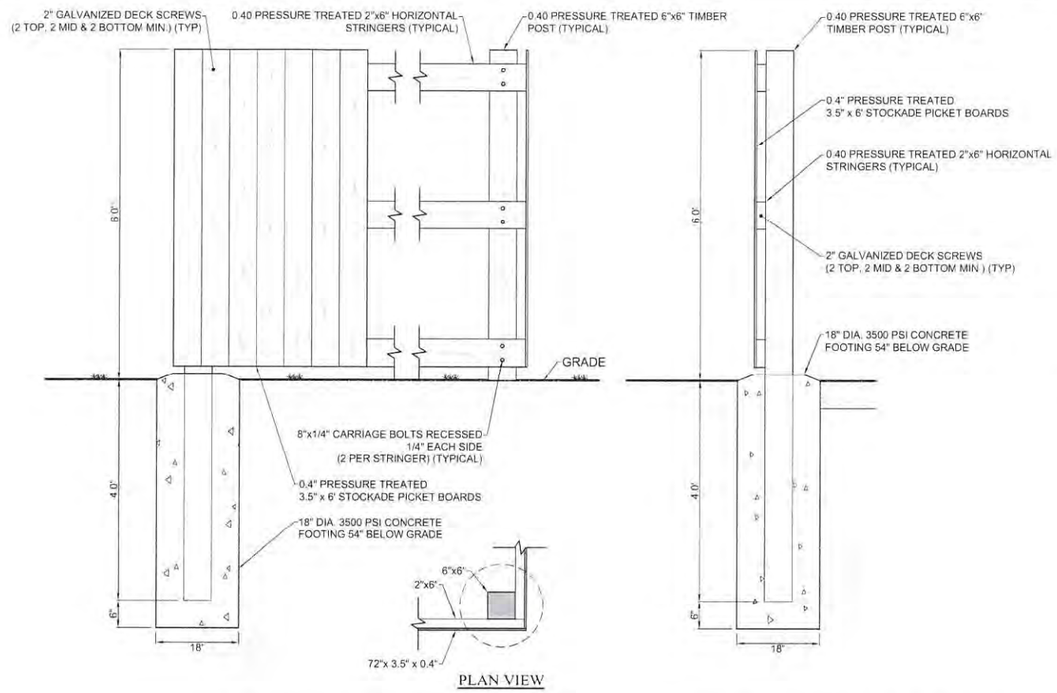
BLOOMFIELD ALTERNATIVE
PROJECT#: 20191970950
LOCATION CODE: 299125

TOWN OF PITTSFORD
COUNTY OF MONROE
STATE OF NEW YORK

SHEET TITLE

ELEVATION & ORIENTATION PLAN

C.E. JOB NUMBER: 7633.01
SHEET NUMBER: CA500
SHEET 09 OF 11

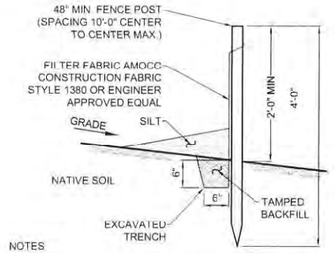


1 CA501 **WOOD STOCKADE FENCE**

SCALE 3/4" = 1'-0" (22 x 34 SHEET)
3/8" = 1'-0" (11 x 17 SHEET)

2 CA501 **WOOD STOCKADE FENCE POST**

SCALE 3/4" = 1'-0" (22 x 34 SHEET)
3/8" = 1'-0" (11 x 17 SHEET)

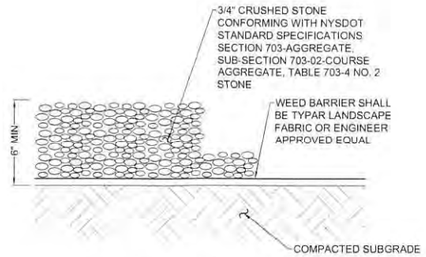


NOTES

1. SILT FENCE SHALL BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.
2. CONTRACTOR SHALL CONSTRUCT SILT FENCE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
3. EXCAVATE TRENCH 6" WIDE X 6" DEEP. BURY BOTTOM 12" OF FABRIC AND TAMP IN PLACE.
4. WHEN FENCE IS NO LONGER NEEDED, THE ACCUMULATED SILT, ALL THE POSTS AND FABRIC SHALL BE REMOVED AND TRENCH BACK FILLED WITH TOPSOIL AND SEEDED.

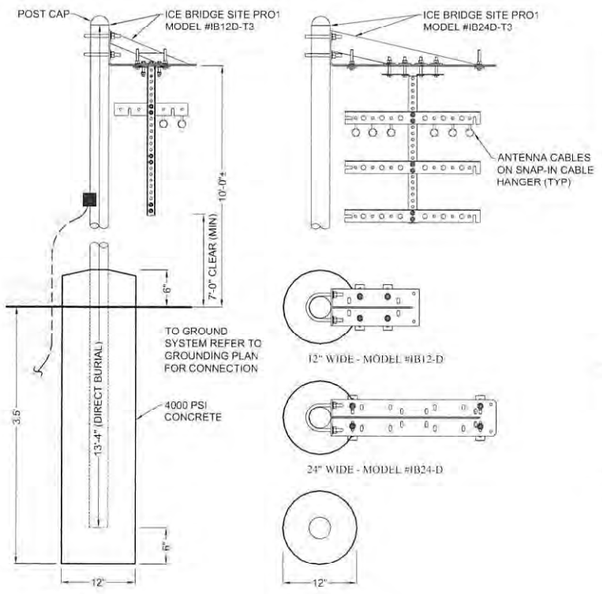
3 CA501 **SILT FENCE DETAIL**

SCALE NTS



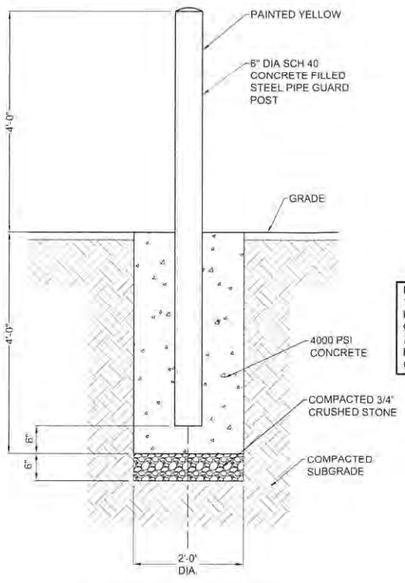
4 CA501 **GRAVEL SURFACING TREATMENT**

SCALE 1/2" = 1'-0" (11x17 SIZE)
1 1/2" = 1'-0" (22x34 SIZE)



5 CA501 **CABLE BRIDGE/ PIER DETAIL**

SCALE 1" = 1'-0" (22 x 34 SHEET)
1" = 2'-0" (11 x 17 SHEET)

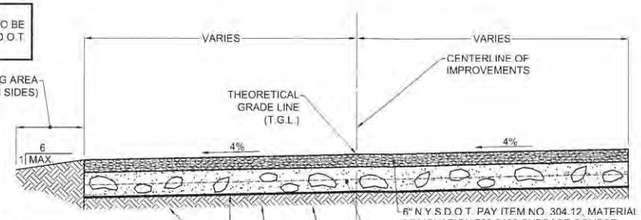


6 CA501 **BOLLARD DETAIL**

SCALE 3/8" = 1'-0" (11x17 SIZE)
3/4" = 1'-0" (22x34 SIZE)

NOTE
ACCESS DRIVE STONE TO BE ACQUIRED FROM N.Y.S.D.O.T. APPROVED QUARRY.

NOTE: SLOPE STABILIZATION TECHNIQUES SUCH AS SURFACE ROUGHENING (SEE NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL) SHALL BE UTILIZED ON ALL SLOPES GREATER THAN 3:1



NOTE
ALL DISTURBED AREAS NOT RECEIVING STONE SHALL RECEIVE 4" OF TOPSOIL AND BE SEEDED AS DIRECTED BY CELLULAR CONSTRUCTION MANAGER.

7 CA501 **GRAVEL DRIVE CROSS SECTION**

SCALE NTS

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SHEET TITLE
DETAILS

C.E. JOB NUMBER: 7633.01

SHEET NUMBER: CA501

SHEET 10 OF 11