

April 3, 2026

To: Parties on attached Service List

Re: Application for a Certificate of Public Good, pursuant to 30 V.S.A. § 248a

Applicants: The Towers, LLC d/b/a Vertical Bridge (“VB”) and Bell Atlantic Mobile Systems, LLC d/b/a Verizon Wireless (“Verizon”)

Project: Construction of a Wireless Telecommunication Facility

Location: 97 Hart Hollow Road, Washington, VT 056758

Landowners: Adam and Natosha Jones

Dear Statutory Party:

Our firm represents VB and Verizon. You are receiving this notification because VB and Verizon intend to file an application with the Public Utility Commission ("Commission"), under the provisions of 30 V.S.A. § 248a ("Section 248a"), for a Certificate of Public Good to allow the construction of a wireless telecommunications facility in the Town of Washington, Vermont. The "Notice" provision of the Section 248a process, as amended, requires that:

The applicant must provide written notice, at least 60 days in advance of filing a Section 248a application, to the following entities:

- (a) the legislative bodies and municipal and regional planning commissions in the communities where the project will be located;
- (b) the Secretary of the Agency of Natural Resources;
- (c) the Agency of Transportation;
- (d) the Division for Historic Preservation;
- (e) the Commissioner of the Department of Public Service and its Director for Public Advocacy;
- (f) the Natural Resources Board...;
- (g) the landowners of record of property adjoining the project sites; and
- (h) the Public Utility Commission...

The application will be filed in accordance with the *Order Adopting Revised Standards and Procedures Implementing 30 V.S.A. § 248a*, issued by the Commission on January 18, 2023, ("Amended Order"), and the Standards and Procedures Applicable to Electronic Filing Using ePUC, eff. January 17, 2017 (“ePUC Procedures”).

Copies of the Amended Order and ePUC Procedures are available on the web at <http://puc.vermont.gov> and from the Clerk of the Commission at puc.clerk@vermont.gov.

Documents filed with the PUC are available electronically through the PUC’s website at <http://epuc.vermont.gov/>.

Project Location

VB and Verizon intend to construct a telecommunications facility on an approximately 10-acre parcel of land owned by Adam and Natosha Jones at 97 Hart Hollow Road, Washington, VT 05675.¹

Verizon refers to the project as "Washington." The property owners have given VB and Verizon permission to proceed with this Application. The coordinates for the Project are latitude 44.1001722 North and longitude -72.4319056 West. See attached Permit Plans for visual depiction of the Project's location.

Project Description

VB will create a 50' x 50' compound ("Compound") enclosed by a 7' high chain link fence, with a locked gate. VB will construct a 135' above ground level ("AGL")² telecommunications monopole tower ("Tower") within the Compound.

Verizon will mount nine (9) antennas ("Antennas") in three (3) sectors at a centerline height of 130' AGL level on the Tower. Six (6) Antennas will measure 72' long and 11.9" wide.³ The remaining three (3) antennas will measure 29.5" long and 15.8" wide. At each sector, Verizon will install two (2) remote radio heads ("RRHS") for a total of six (6) RRHs. The RRHs each measure 15" long and 15" wide. Verizon will also install one (1) OVP Distribution Box which measures 28.9" long and 15.7" wide on the Tower.

Verizon will install a 6' x 10' equipment canopy ("Canopy") in the Compound to the south of the Tower. The Canopy will sit on an 12' by 20' concrete foundation and will contain the cabinets with the electronics equipment necessary for the operation of the Project. Verizon will place a 50kw propane generator ("Generator") next to the Canopy on the concrete pad that will function during power outages. The Generator will be tested remotely approximately once a week. Verizon will install an above ground propane tank, located near the Generator as shown on Sheet Z3 of the Permit Plans. The initial advance notice contemplated a diesel generator, however, this design was changed following the receipt of comments by the Central Vermont Regional Planning Commission, accordingly, the project will now utilize a propane generator.

¹ We note that this is the third advance notice filed for this Project at this location. The first advance notice was filed on October 9, 2024, and the second notice was filed on April 15, 2025. The present filing addresses concerns raised previously raised with respect to the generator and incorporates updated equipment specifications.

² The highest appurtenance of the Tower, a lightening rod, extends to 139' AGL.

³From time to time, equipment manufacturers may alter their products, or Verizon may purchase from different suppliers. Therefore, there is a possibility that the actual antennas and other equipment may be slightly different from but of similar dimensions as those described in this notice.

Co-axial and fiber optic cables from the Antennas will descend inside the hollow Tower. The cables will exit near the base of the Tower and will connect with the equipment cabinets in the Canopy via a proposed cable bridge.

To provide access to the Compound, VB proposes to install an approximately 12' wide gravel access drive ("Access") extending from the existing driveway, which connects to Hart Hollow Road, leading into the Compound.

Underground utilities will follow the Access from an existing utility pole on Hart Hollow Road to the Compound and will be placed in a trench adjacent to the Access. The utilities will then connect to a utility backboard within the compound and from there will connect to Verizon's equipment in the Canopy.

Approximate clearing limits are shown on the enclosed plans.⁴ The contractor will limit clearing to the minimum required to construct the Access and Compound, which is estimated to be approximately 4,791.6 square feet. Culverts, check dams, water bars and silt fencing will be placed along the Access and at the Compound as necessary to control erosion both during and after construction in conformance with the Vermont Low Risk Site Handbook for Erosion Prevention and Sediment Control.

After the completion of construction, the amount of new impervious surface created will be approximately 3,634.6 square feet. Total permanent earth disturbance from the project will be approximately 5,227.2 square feet.

As part of the design for this Project, Verizon RF engineers evaluated existing telecommunications facilities and existing structures for possible co-location opportunities. No such facilities or structures that would fulfill the objectives for this site exist. To support the universal availability of modern wireless telecommunications services consistent with 30 V.S.A. § 202c, VB has designed the Tower and Compound to accommodate co-location in the future by other wireless communications providers.

Verizon has received comments expressing that cell service in the Town of Washington suddenly disappeared. Without specific evidence of where and when this occurred, it is challenging to provide a direct response. Reductions in cell coverage can be the result of any number of factors, including, but not limited to, an increase in users, changes in forest cover, increase in the use of cellular service for data intensive activities, and other changes in technology. However, Verizon has reviewed its records and confirms that it **has not** ceased the use of any telecommunications facilities in or around the Town of Washington that it was previously utilizing.

⁴ Clearing limits may need to be adjusted based on conditions encountered during construction.

The Project will provide the needed capacity to allow Verizon subscribers living in, working in or passing through the Town of Washington to maintain and, in some cases, experience improvement in the level of service to which they have become accustomed.

Please feel free to contact me, either by email or at the address or telephone number below, if you have any questions or comments regarding the proposed Project. We would like to receive comments no later than 30 days from your receipt of this Notice so that they can be considered prior to the application filing.

As a recipient of this notice, you will also be notified when the application is filed, which will be at least 60 days from the date of this letter. You will then have 30 days from receipt of that notification to file comments, a motion to intervene or request for hearing with the Commission. Please review the Amended Order for additional information and procedures.

Very truly yours,



W. Cooper Hayes, chayes@mskvt.com

cc: Statutory Parties on attached Service List (w/enclosure)
Adjoining Landowners on attached Service List (w/enclosure)
Town of Washington w/ additional enclosures pursuant to 30
V.S.A. § 248a(e)



**SITE NUMBER:
US-VT-5017**

**SITE NAME:
WASHINGTON VT**

CELLCO PARTNERSHIP,
d/b/a
verizon

**SITE NAME:
WASHINGTON VT**

**MDG ID: 5000921897
LOCATION CODE: 617370219
SPM PROJECT ID: 17025507**

APPLICANT:
verticalbridge
THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:
AIROSMITH
AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING
318 WEST AVE.
SARATOGA SPRINGS, NY 12866
CLUSTER #
VB NE NSB 1.0

CARRIER:
verizon
1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:

03/26/26

APPLICABLE BUILDING CODES AND STANDARDS

2015 VERMONT BUILDING CODE OF - 2015 INTERNATIONAL BUILDING CODE
2017 VERMONT ELECTRICAL CODE - 2017 NATIONAL ELECTRICAL CODE (NFPA 70)
ANSI/TIA-222-H STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES
ANSI/TIA-607-B - GENERIC TELECOMMUNICATIONS BONDING AND GROUNDING (EARTHING) FOR CUSTOMER PREMISES
ACI 318-14, AMERICAN CONCRETE INSTITUTE -318 -14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AISC STEEL CONSTRUCTION MANUAL, 15TH/ ED
IEEE C2: NATIONAL ELECTRICAL SAFETY CODE
FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

DRIVING DIRECTIONS

START AT: BURLINGTON INTERNATIONAL AIRPORT (NEAREST AIRPORT)
HEAD NORTHEAST ON AIRPORT CIR. USE ANY LANE TO TURN SLIGHTLY LEFT. USE ANY LANE TO TURN LEFT ONTO AIRPORT CIR. TURN LEFT ONTO AIRPORT DR. TURN LEFT ONTO US-2 E/WILLISTON RD. TURN RIGHT ONTO VT-2A S. TURN LEFT TO MERGE ONTO I-89 S. WARD MONTPELIER. FOLLOW I-89 S TO VT-62 E IN BERLIN. TAKE EXIT 7 FROM I-89 S. MERGE ONTO I-89 S. TAKE EXIT 7 FOR VT-62 TOWARD US-302/BERLIN/BARRE. FOLLOW VT-62 E. US-302 E AND VT-110 S TO HART HOLLOW RD IN WASHINGTON. CONTINUE ONTO VT-62 E. TURN RIGHT ONTO N MAIN ST. CONTINUE STRAIGHT ONTO US-302 E/WASHINGTON ST. CONTINUE TO FOLLOW US-302 E. AT THE TRAFFIC CIRCLE, TAKE THE 1ST EXIT ONTO MILL ST. CONTINUE ONTO VT-110 S/WASHINGTON RD. CONTINUE TO FOLLOW VT-110 S. TURN LEFT ONTO TURNPIKE RD. TURN LEFT ONTO HART HOLLOW RD. DESTINATION WILL BE ON THE LEFT
ARRIVE AT: 97 HART HOLLOW ROAD, WASHINGTON, VT 05675



PROJECT SCOPE

THE PROPOSED WORK CONSISTS OF INSTALLING CELLULAR ANTENNA AND RELATED EQUIPMENT ON A PROPOSED MONOPOLE AND THE INSTALLATION OF AN EQUIPMENT PAD WITHIN A PROPOSED FENCED COMPOUND. PROJECT INCLUDES CONSTRUCTION OF A PROPOSED GRAVEL ACCESS AND POWER & FIBER UTILITIES.

SITE INFORMATION

TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT

SITE INFORMATION

SITE ADDRESS:	97 HART HOLLOW ROAD WASHINGTON, VT 05675
MUNICIPALITY:	WASHINGTON
COUNTY:	ORANGE
PARCEL ID:	004025.050
ZONING DISTRICT:	RESIDENTIAL-2
LATITUDE:	44° 06' 00.62" N 44.1001722°
LONGITUDE:	72° 25' 54.86" W -72.4319056°
GROUND ELEVATION:	1501.60± AMSL
PROPERTY OWNER:	ADAM AND NATOSHA JONES 97 HART HOLLOW ROAD WASHINGTON, VT 05675
TOWER OWNER:	THE TOWERS, LLC 22 WEST ATLANTIC AVENUE, SUITE 310 DELRAY BEACH, FL 33444
APPLICANT:	THE TOWERS, LLC 22 WEST ATLANTIC AVENUE, SUITE 310 DELRAY BEACH, FL 33444
TENANT:	VERIZON WIRELESS 1275 JOHN STREET, SUITE 100 WEST HENRIETTA, NY 14586

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

RF DATA NOTE

CONTRACTOR SHALL OBTAIN LATEST RF DATA SHEET AND CONFIRM SAME WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO START OF CONSTRUCTION. THESE DRAWINGS ARE BASED ON
NEW SITE BUILD

DO NOT SCALE DRAWINGS

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

SHEET NO: DRAWING INDEX

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DRAWINGS ISSUED FOR:

REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:

**SITE:
US-VT-5017
WASHINGTON VT
97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY
MONOPOLE**

SHEET TITLE:

TITLE SHEET

SHEET NUMBER: REVISION:

T01 7

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT FINAL, UNTIL SIGNED AND SEALED.
THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF AIROSMITH ENGINEERING AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR OTHER PROJECTS WITHOUT THE WRITTEN AUTHORIZATION OF AIROSMITH ENGINEERING. IT IS UNLAWFUL FOR ANY PERSON TO AMEND ANY ASPECT OF THESE DRAWINGS WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL OF RECORD.



GENERAL CONSTRUCTION NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR
SUBCONTRACTOR – CONTRACTOR (CONSTRUCTION)
OWNER – VERTICAL BRIDGE
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND VERTICAL BRIDGE PROJECT SPECIFICATIONS.
- GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE SPACE FOR APPROVAL BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
- GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINE.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
- WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
- THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
- THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OT 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT/ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, D) TRENCHING & EXCAVATION.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ARCHITECT/ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
- THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY VERTICAL BRIDGE TECHNICIANS. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION OF VERTICAL BRIDGE MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING." IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
- SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- SUBCONTRACTOR SHALL REMOVED ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- NO WHITE STROBE LIGHTS ARE PERMITTED. ANY REQUIRED LIGHTING MUST MEET FAA STANDARDS AND REQUIREMENTS.
- ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- NO SIGNIFICANT NOISE, SMOKE, DUST OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DISREGARD THIS NOTE IF THIS SITE HAS A GENERATOR)
- NO ADDITIONAL PARKING TO BE PROPOSED. EXISTING ACCESS AND PARKING TO REMAIN, UNLESS NOTED OTHERWISE.
- NO LANDSCAPING IS PROPOSED AT THIS SITE, UNLESS NOTED OTHERWISE.

ELECTRICAL NOTES:

- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY "CONSTRUCTION MANAGER" AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER & TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
C – NATIONAL FIRE CODES
A. UL – UNDERWRITERS LABORATORIES
B. NEC – NATIONAL ELECTRICAL CODE
C. NEMA – NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
D. OSHA – OCCUPATIONAL SAFETY AND HEALTH ACT
E. SBC – STANDARD BUILDING CODE
- DO NOT SCALE ELECTRICAL DRAWINGS; REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
- EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS, AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT.
- THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
- CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS, SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
- MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTY BY VERTICAL BRIDGE.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION & APPROVAL BY CONSTRUCTION MANAGER.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
- ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
- DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION, BACKFILLING AND COMPACTION. REFER TO 'FOUNDATION, EXCAVATION, AND BACKFILLING NOTES.'
- MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA, AND IECE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURERS CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES, AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
- THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MADE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
- ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED – NO SUBSTITUTIONS.
- RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2 – 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS – 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADING RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZINC' OR 'GOLD CALV.'
- SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
- CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, 800 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.

- CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- SERVICES: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER.
- TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
- ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.
- CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOMM."
- ALL BOLTS SHALL BE STAINLESS STEEL

GROUNDING NOTES:

- COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P," "A," "N," "I") WITH 1" LETTERS.
- ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR TO THE TOWER.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER.

FOUNDATION, EXCAVATION, & BACKFILL NOTES:

- ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL.
- ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL, AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.
- CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF INADEQUATE BEARING CAPACITY IS REACHED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.
- ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIALS SUCH AS EARTH, LOAM, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2 MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.
- ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557
- NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HOURS PRIOR TO BACK FILLING.
- FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS. PROVIDE SURFACE FILL GRAVEL TO ESTABLISH SPECIFIED ELEVATIONS WHERE REQUIRED.
- NEWLY GRADED SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY "CONSTRUCTION MATERIAL 1-800-239-3841" OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICHEVER IS GREATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED. I.E. FDOT TYPE NO.57 FOR FENCED COMPOUND; FDOT TYPE NO. 67 FOR ACCESS DRIVE AREA.
- IN ALL AREAS TO RECEIVE FILL, REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.

SITE INFORMATION	
• TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
• TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
• TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
• LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT

APPLICANT:



THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:



AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING

318 WEST AVE.
SARATOGA SPRINGS, NY 12866


CLUSTER #
VB NE NSB 1.0

CARRIER:



1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:



03/26/26

DRAWINGS ISSUED FOR:

REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:

SITE:
US-VT-5017
WASHINGTON VT

97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY
MONOPOLE

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER: **GN01** REVISION: **7**

- WHEN SUBGRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RE-COMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OR FILLS.
- IN AREAS WHICH EXISTING GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.
- EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED WITH THE CONDITION THAT ANY UNFAVORABLE AMOUNTS OF ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ANY ADDITIONAL GRAVEL RESURFACING MATERIAL AS NEEDED TO PROVIDE A FULL DEPTH COMPACTED SURFACE THROUGHOUT SITE.
- GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUBGRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE.
- PROTECT EXISTING GRAVEL SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLAGKING 'MATT'S' OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO EXISTING GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTORS OPERATIONS.
- DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.

ENVIRONMENTAL NOTES:

- ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
- CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS AND SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.
- CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
- NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
- CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
- SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
- CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
- RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.

CONCRETE MASONRY NOTES:

- CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, GRADE N-1, (F'M=1,500 PSI). MEDIUM WEIGHT (115).
- MORTAR SHALL BE TYPE "S" (MINIMUM 1,800 PSI AT 28 DAYS).
- GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
- ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS AND ALL CELLS IN RETAINING WALLS AND WALLS BELOW GRADE SHALL BE SOLID GROUTED.
- ALL HORIZONTAL REINFORCING STEEL SHALL BE PLACED IN BOND BEAM OR LINTEL BEAM UNITS.
- WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1-1/2" BELOW TOP OF THE UPPERMOST UNIT.
- ALL BOND BEAM BLOCK SHALL BE "DEEP CUT" UNITS.
- PROVIDE INSPECTION AND CLEAN-OUT HOLES AT BASE OF VERTICAL CELLS HAVING GROUT LIFTS IN EXCESS OF 4'-0" OF HEIGHT.
- ALL GROUT SHALL BE CONSOLIDATED WITH A MECHANICAL VIBRATOR.
- CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.
- REINFORCING BARS - SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.
- PROVIDE ONE BAR DIAMETER (A MINIMUM OF 1/2") GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
- LOW LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 4 FEET.

- LIFT GROUTED CONSTRUCTION MAY BE USED IN CONFORMANCE WITH PROJECT SPECIFICATIONS AND SECTION 2104.6.1 OF CURRENT BUILDING CODE.
- ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, EXCEPT AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.
- CELLS SHALL BE IN VERTICAL ALIGNMENT, DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.
- REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.
- SAND SHALL BE CLEAN, SHARP AND WELL GRADED, FREE FROM INJURIOUS AMOUNTS OF DUST, LUMPS, SHALE, ALKAU OR ORGANIC MATERIAL.
- BRICK SHALL CONFORM TO ASTM C-62 AND SHALL BE GRADE MW OR BETTER.

STRUCTURAL CONCRETE NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI-301-20
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH $f_c=2,500$ PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH	3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER	2 IN.
#5 AND SMALLER & WWF	1-1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER, NOR CAST AGAINST THE GROUND:	
SLAB AND WALL	3/4 IN.
BEAMS AND COLUMNS	1-1/2 IN.

- A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE U.N.O. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLD, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS.
- USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER ICBO & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES.

STRUCTURAL STEEL NOTES:

- ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW:
W-SHAPES: ASTM A992, 50 KSI
ANGLES, BARS CHANNELS: ASTM A36, 36 KSI
HSS SECTIONS: ASTM 500, 46 KSI
PIPE SECTIONS: ASTM A53-E, 35 KSI
- ALL EXTERIOR EXPOSED STEEL AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.
- ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION." PAINTED SURFACES SHALL BE TOUCHED UP.
- BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE 3/4" Ø CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" Ø ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
- FIELD MODIFICATIONS ARE TO BE COATED WITH ZINC ENRICHED PAINT.

SITE WORK & DRAINAGE:

PART 1 - GENERAL

- CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

1.1 REFERENCES:

- DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR WAY CONSTRUCTION - CURRENT EDITION)
- ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
- OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION)

1.2 INSPECTION AND TESTING:

- FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS
- ALL WORK SHALL BE INSPECTED AND RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

SITE INFORMATION	
• TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
• TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
• TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
• LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT

1.3 SITE MAINTENANCE AND PROTECTION:

- PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE SUBCONTRACT.
- AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
- KEEP SITE FREE OF ALL PONDING WATER.
- PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
- PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
- EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER, AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.

PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

PART 2 - PRODUCTS

- SUITABLE BACKFILL: ASTM D2321 (CLASS I, II, III, OR IVA) FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- NON-POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS III, IVA OR IVB) COARSE AGGREGATE. FREE FROM FROZEN LUMPS, REFUSE, STONES, OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB, OR II) COARSE AGGREGATE FREE FROM FROZEN LUMPS, REFUSE, STONES, OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- SELECT STRUCTURAL FILL: GRANULAR FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850-95. FOR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED. GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW-SM).
- COARSE AGGREGATE FOR ACCESS ROAD SUB BASE COURSE SHALL CONFORM TO ASTM D2940.
- UNSUITABLE MATERIAL: AND MODERATELY PLASTIC SILTS AND CLAYS (LL>45). MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.
- GEOTEXTILE FABRIC: MIRAFI 500X OR APPROVED EQUAL.
- PLASTIC MARKING TAPE: SHALL BE ACID AND ALKALI RESISTANT POLYETHYLENE FILM SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES, 6 INCHES WIDE WITH A MINIMUM THICKNESS OF 0.004 INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL CONDUCTORS, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.

PART 2 - EXECUTION

3.1 GENERAL:

- BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH A CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ANY TIME.
- BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
- CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.
 - REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
 - REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING, AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL.
 - REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.

- PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
- SEPARATE AND STOCK PILE AL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.

3.2 BACKFILL:

- AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
- PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
- BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACTED. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
- WHENEVER THE DENSITY TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY , SUCH AS DISKING AND DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE MINIMUM COMPACTION REQUIREMENTS.
- THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM 95% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

3.3 TRENCH EXCAVATION:

- UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.
- EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.
- WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.

3.4 TRENCH BACKFILL:

- PROVIDE GRANULAR BEDDING MATERIAL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
- NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.
- CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
- PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.
- PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.
- ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

3.5 FINISH GRADING:

- PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
- UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
- ACHIEVE FINISHED GRADE BY PLACING A MINIMUM OF 4 INCHES OF 1/2" - 3/4" CRUSHED STONE ON TOP SOIL STABILIZER FABRIC.
- REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.

3.7 ASPHALT PAVING ROAD:

- DIVISION 600 - KDOT FLEXIBLE PAVEMENT. (UPDATE PER LOCAL DOT)
- SECTION 403 - MODOT ASPHALT CONCRETE PAVEMENT.

APPLICANT:



THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:



AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING

318 WEST AVE.
SARATOGA SPRINGS, NY 12866


CLUSTER #
VB NE NSB 1.0

CARRIER:



1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:



03/26/26

DRAWINGS ISSUED FOR:				
REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:

SITE:
US-VT-5017
WASHINGTON VT

97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY

MONOPOLE

SHEET TITLE:

GENERAL
NOTES CONT

SHEET NUMBER: **GN02** REVISION: **7**



ID	TAX ID#	PROPERTY OWNER	OWNER ADDRESS
1	004025.050	ADAM AND NATOSHA JONES	97 HART HOLLOW ROAD WASHINGTON, VT 05675
2	004025.010	JONES STEVEN & JEANNINE	261 HART HOLLOW ROAD WASHINGTON, VT 05675
3	002006.000	RILEY JASON & JESSICA	160 W CORINTH RD WASHINGTON VT 05675
4	004009.000	DURANLEAU CARROLL & ELIZABETH	PO BOX 121 WASHINGTON VT 05675
5	004002.000	CORNELL BRUCE W	185 TURNPIKE RD WASHINGTON VT 05675
6	004009.000	DURANLEAU CARROLL & ELIZABETH	PO BOX 121 WASHINGTON VT 05675

APPLICANT:
verticalbridge
 THE TOWERS, LLC
 22 WEST ATLANTIC AVENUE, SUITE 310
 DELRAY BEACH, FL 33444

CONSULTANT TEAM:
AIRSMITH
 AIROSMITH DEVELOPMENT
 AIROSMITH ENGINEERING
 318 WEST AVE.
 SARATOGA SPRINGS, NY 12866
 CLUSTER #
 VB NE NSB 1.0

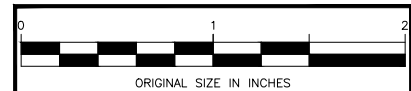
CARRIER:
verizon
 1275 JOHN STREET, SUITE 100
 WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:

 03/26/26

DRAWINGS ISSUED FOR:

REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:
SITE:
 US-VT-5017
 WASHINGTON VT
 97 HART HOLLOW ROAD
 WASHINGTON, VT 05675
 ORANGE COUNTY
 MONOPOLE

SHEET TITLE:
ADJOINERS PLAN

SHEET NUMBER: **Z1** REVISION: **7**

NOTE:
 INFORMATION CONTAINED WITHIN THESE DRAWINGS IS
 BASED ON INFORMATION PROVIDED AND OBTAINED
 DURING A SITE WALK PERFORMED BY AIROSMITH ON
 01/09/2024, ON SITE SURVEY COMPLETED BY
 NORTHEAST TOWER SURVEYING, INC., DATED 07/10/24.
 CONTRACTOR TO VERIFY PRIOR CONSTRUCTION.

SITE INFORMATION

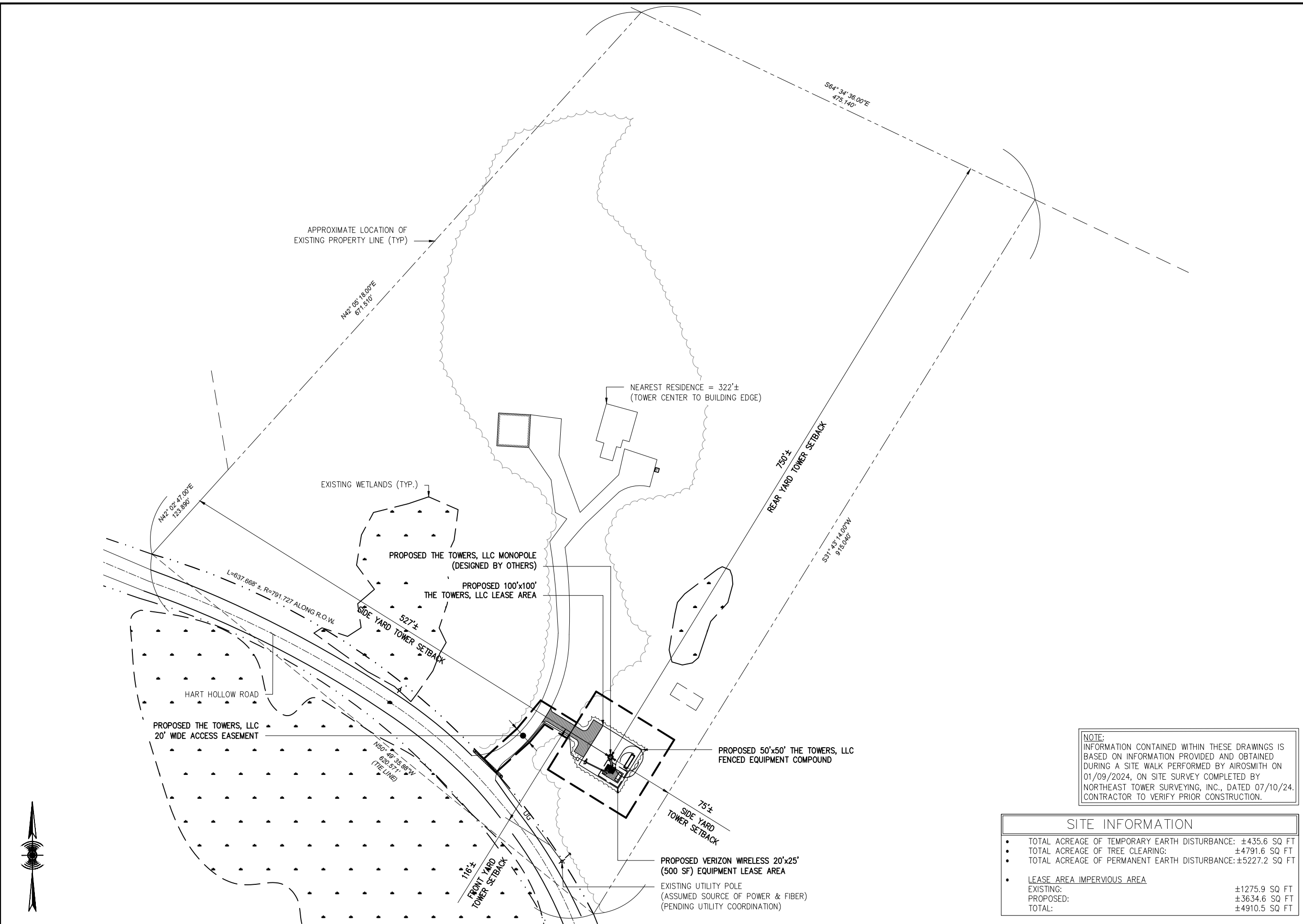
- TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE: ±435.6 SQ FT
- TOTAL ACREAGE OF TREE CLEARING: ±4791.6 SQ FT
- TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE: ±5227.2 SQ FT
- LEASE AREA IMPERVIOUS AREA

EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT



1 ADJOINERS PLAN

SCALE: 1" = 300' (11"x17")



NOTE:
 INFORMATION CONTAINED WITHIN THESE DRAWINGS IS BASED ON INFORMATION PROVIDED AND OBTAINED DURING A SITE WALK PERFORMED BY AIROSMITH ON 01/09/2024, ON SITE SURVEY COMPLETED BY NORTHEAST TOWER SURVEYING, INC., DATED 07/10/24. CONTRACTOR TO VERIFY PRIOR CONSTRUCTION.

SITE INFORMATION	
• TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
• TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
• TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
• LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT

APPLICANT:
verticalbridge
 THE TOWERS, LLC
 22 WEST ATLANTIC AVENUE, SUITE 310
 DELRAY BEACH, FL 33444

CONSULTANT TEAM:
AIROSMITH
 AIROSMITH DEVELOPMENT
 AIROSMITH ENGINEERING
 318 WEST AVE.
 SARATOGA SPRINGS, NY 12866
 CLUSTER #
 VB NE NSB 1.0

CARRIER:
verizon
 1275 JOHN STREET, SUITE 100
 WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:

 03/26/26

DRAWINGS ISSUED FOR:

REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



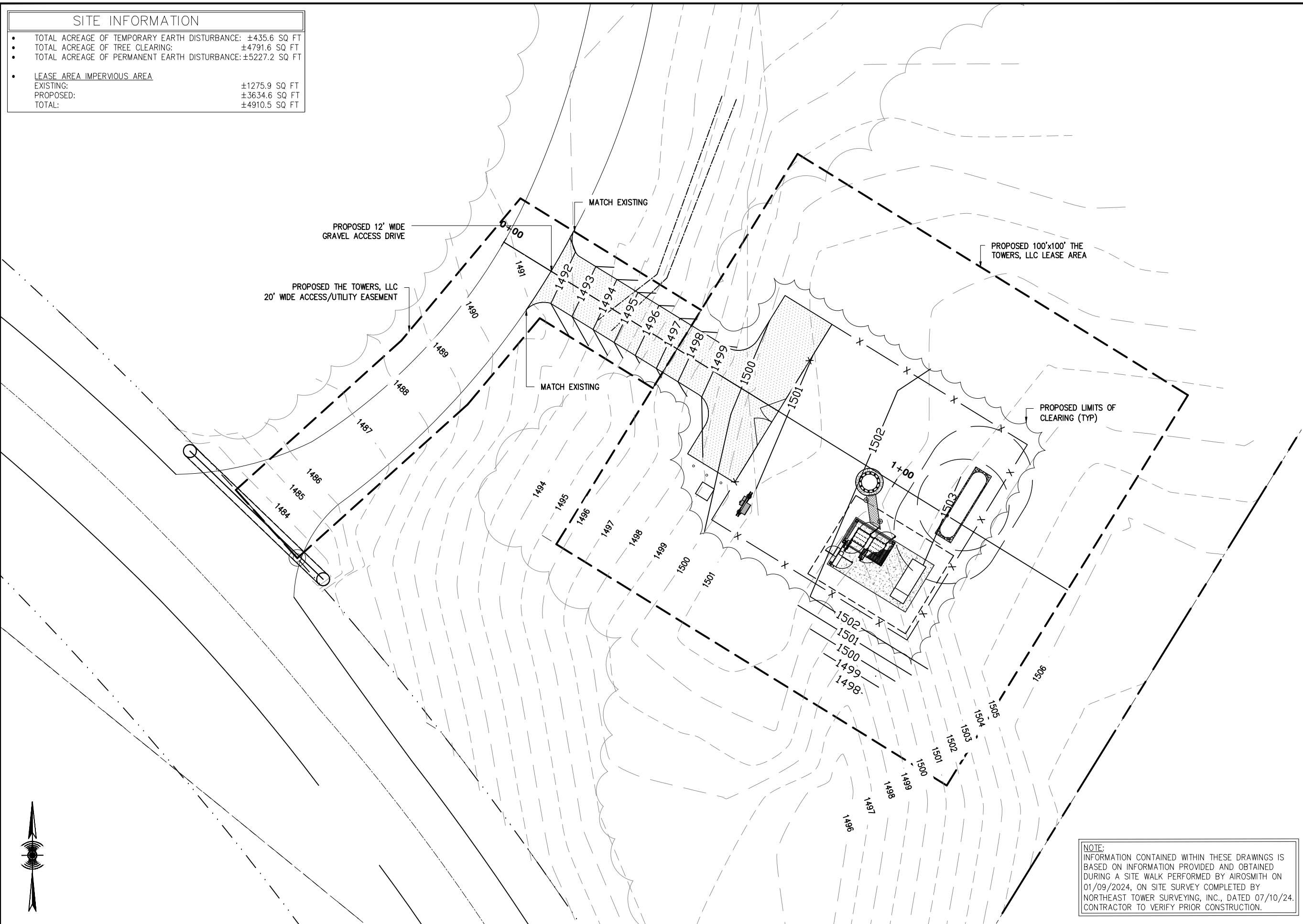
PROJECT INFORMATION:
SITE:
 US-VT-5017
 WASHINGTON VT
 97 HART HOLLOW ROAD
 WASHINGTON, VT 05675
 ORANGE COUNTY
 MONOPOLE

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER: **Z2** REVISION: **7**

SITE INFORMATION

- TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE: ±435.6 SQ FT
- TOTAL ACREAGE OF TREE CLEARING: ±4791.6 SQ FT
- TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE: ±5227.2 SQ FT
- LEASE AREA IMPERVIOUS AREA
 EXISTING: ±1275.9 SQ FT
 PROPOSED: ±3634.6 SQ FT
 TOTAL: ±4910.5 SQ FT



NOTE:
 INFORMATION CONTAINED WITHIN THESE DRAWINGS IS BASED ON INFORMATION PROVIDED AND OBTAINED DURING A SITE WALK PERFORMED BY AIROSMITH ON 01/09/2024, ON SITE SURVEY COMPLETED BY NORTHEAST TOWER SURVEYING, INC., DATED 07/10/24. CONTRACTOR TO VERIFY PRIOR CONSTRUCTION.

APPLICANT:
verticalbridge
 THE TOWERS, LLC
 22 WEST ATLANTIC AVENUE, SUITE 310
 DELRAY BEACH, FL 33444

CONSULTANT TEAM:
AIROSMITH
 AIROSMITH DEVELOPMENT
 AIROSMITH ENGINEERING
 318 WEST AVE.
 SARATOGA SPRINGS, NY 12866
 CLUSTER #
 VB NE NSB 1.0

CARRIER:
verizon
 1275 JOHN STREET, SUITE 100
 WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:

 03/26/26

DRAWINGS ISSUED FOR:

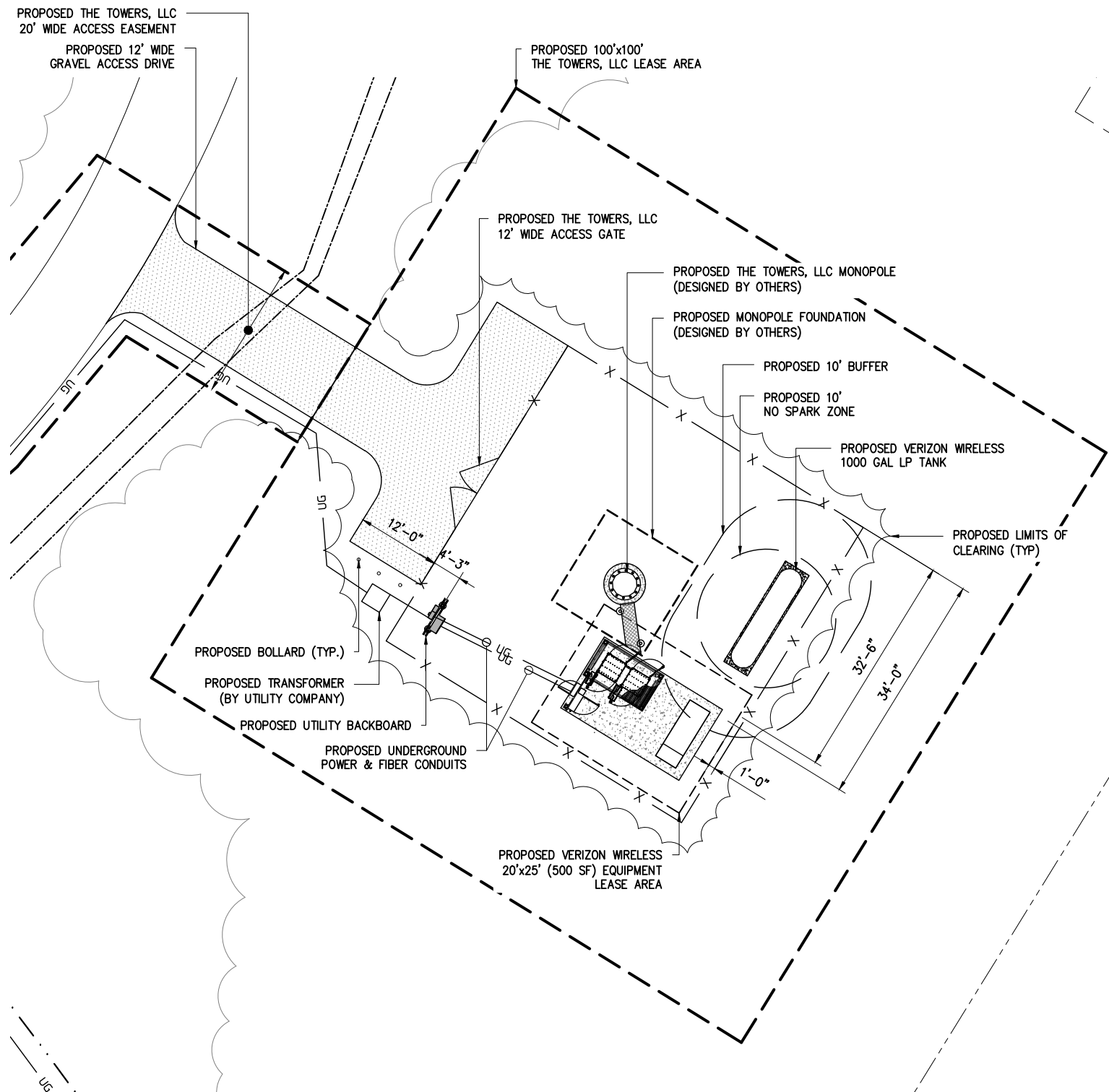
REV.	DATE	DRAWN	DESCRIPTION	QA/QC
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5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:
SITE:
 US-VT-5017
 WASHINGTON VT
 97 HART HOLLOW ROAD
 WASHINGTON, VT 05675
 ORANGE COUNTY
 MONOPOLE

SHEET TITLE:
GRADING PLAN

SHEET NUMBER: **Z3** REVISION: **7**



SITE INFORMATION	
• TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
• TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
• TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
• LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT

APPLICANT:

THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:

AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING

318 WEST AVE.
SARATOGA SPRINGS, NY 12866

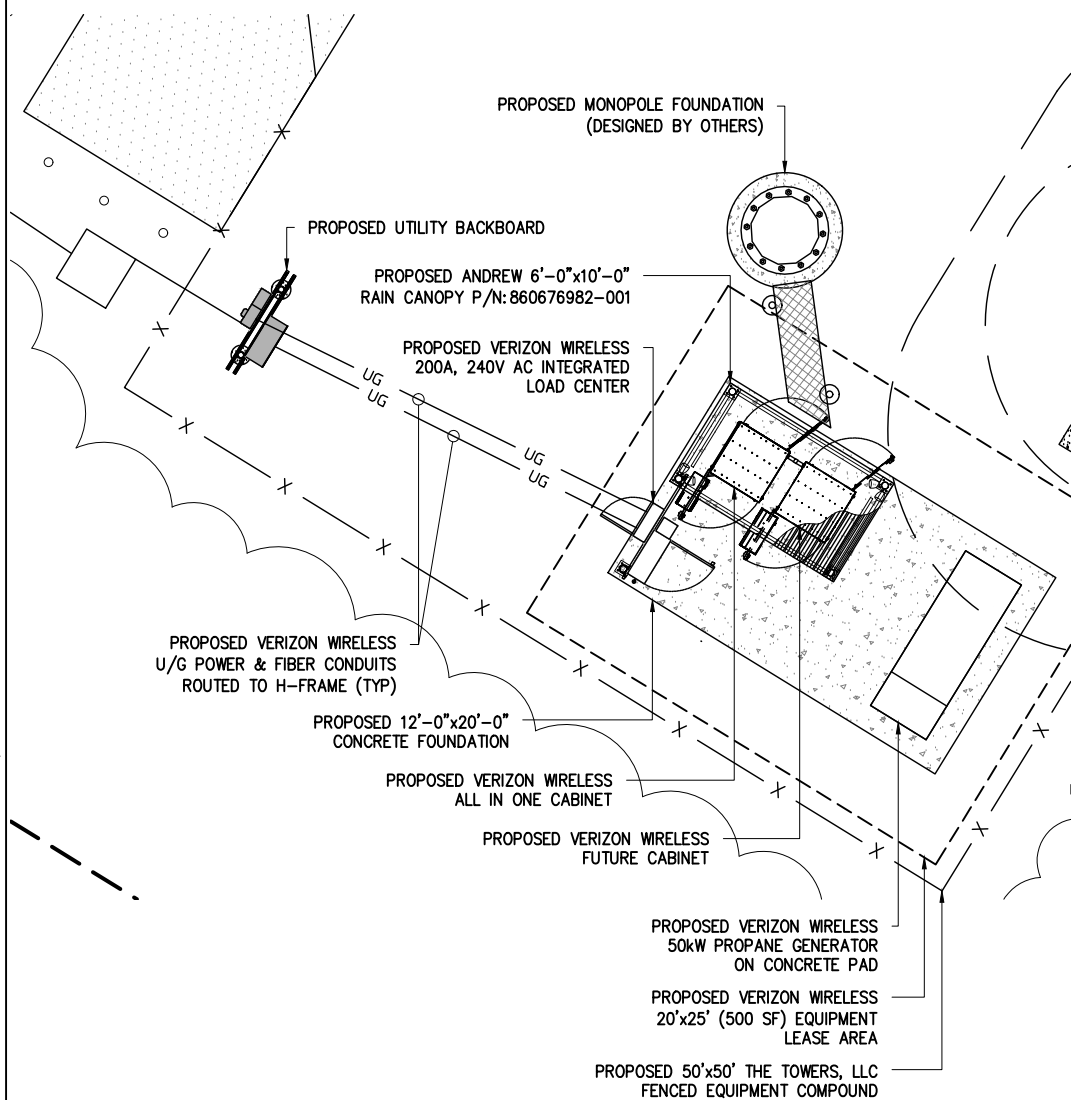
CLUSTER #
VB NE NSB 1.0

CARRIER:

1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:

03/26/26



NOTE:
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BASED ON INFORMATION PROVIDED AND OBTAINED
DURING A SITE WALK PERFORMED BY AIROSMITH ON
01/09/2024, ON SITE SURVEY COMPLETED BY
NORTHEAST TOWER SURVEYING, INC., DATED 07/10/24,
CONTRACTOR TO VERIFY PRIOR CONSTRUCTION.

DRAWINGS ISSUED FOR:

REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:

SITE:
US-VT-5017
WASHINGTON VT
97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY
MONOPOLE

SHEET TITLE:
COMPOUND &
EQUIPMENT PLANS

SHEET NUMBER: **Z4** REVISION: **7**

1 COMPOUND PLAN
SCALE: 1" = 20' (11"x17"), 1" = 10' (22"x34")

1 EQUIPMENT PLAN
SCALE: 1" = 10' (11"x17"), 1" = 5' (22"x34")

PROPOSED EQUIPMENT SCHEDULE	PROJECT INFORMATION AND DIMENSIONS	
PANEL ANTENNA (6) 72.0"x11.9"x7.1" (3) 29.5"x15.8"x5.5"	SURFACE AREA OF FRONT FACES OF VERIZON WIRELESS ANTENNAS & EQUIPMNET ON THE SUPPURT STRUCTURE	
RRUs (3) 15.0"x15.0"x10.0" (3) 15.0"x15.0"x10.2"	PANEL ANTENNA: 45.5 SQ FT.	RRUs: 4.7 SQ FT. (PARTIALLY BEHIND) 1.1 SQ FT. (PARTIALLY BEHIND)
OVP (1) 28.9"x15.7"x10.3"	FACIAL SURFACE AREA= 51.4 SQ FT.	
	MAX VERTICAL EXTENSION FROM SUPPORT STRUCTURE	0'-0"±
	MAX HORIZONTAL EXTENSION FROM SUPPORT STRUCTURE	7'-9"±
	IMPERVIOUS SURFACE ADDED TO SITE	±0.08 ACRES

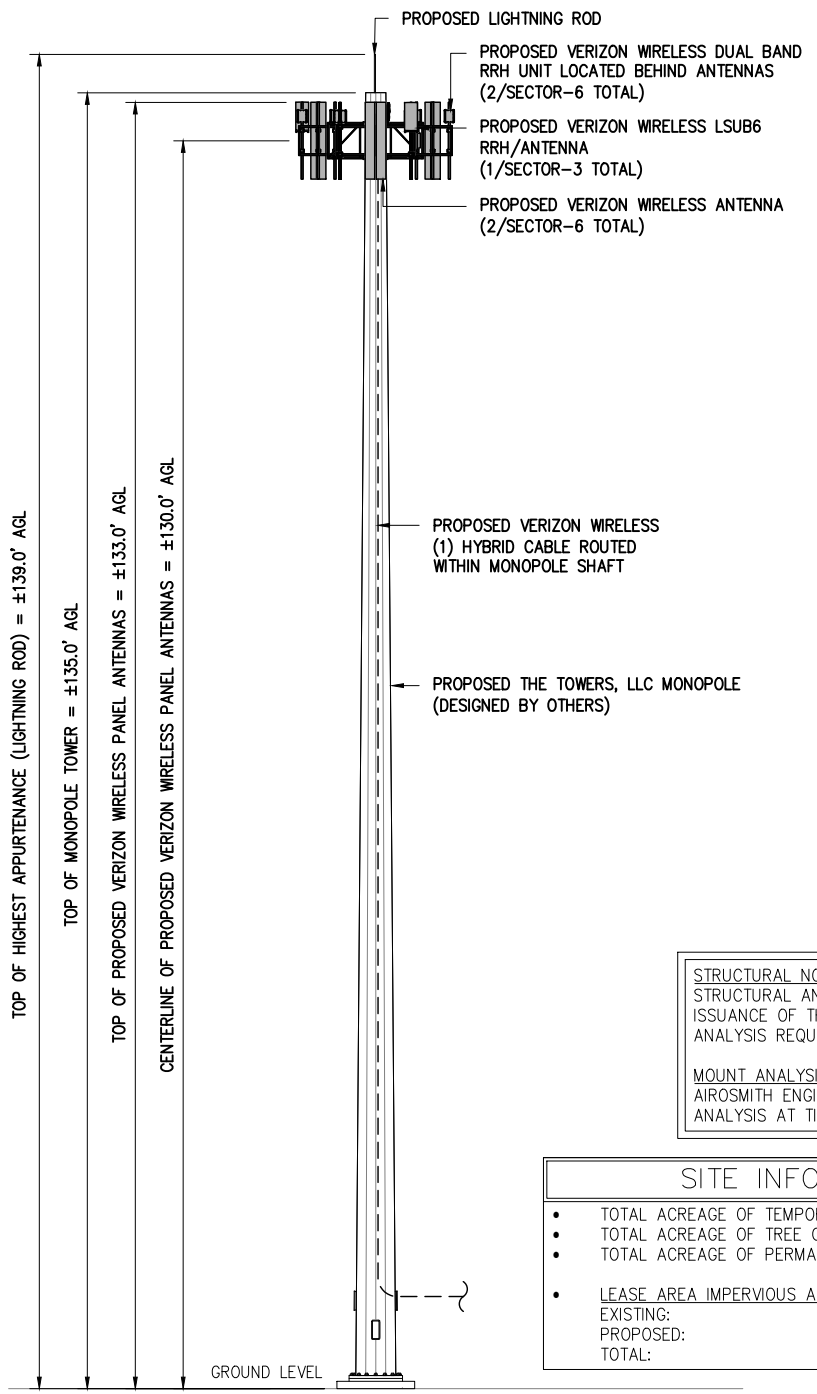
NOTE:
ANTENNA AND HYBRID CABLE SCHEDULE BASED ON AN RF ANTENNA DESIGN SHEET DATED 03/05/26, RFDS PROJECT ID 17025507.

EQUIPMENT NOTES:
CONTRACTORS MUST UTILIZE VERIZON WIRELESS APPROVED LOW-PIM CABLE SUPPORT FASTENERS AND RELATED ANCILLARY ATTACHMENT HARDWARE WITHIN 10 FEET OF VERIZON WIRELESS ANTENNAS.

ANTENNA AND CABLE SCHEDULE							
SECTOR	STATUS	FREQUENCY	AZIMUTH (TRUE NORTH)	# OF ANTENNAS PER SECTOR	ANTENNA Q HEIGHT (AGL)	COAXIAL CABLE	CABLE LENGTH
ALPHA	PROPOSED	C-BAND	355°	1	130'	POWER/FIBER CABLE FROM OVP	15'±
ALPHA	PROPOSED	700/850	355°	1	130'	JUMPERS FROM RRHS	12'±
ALPHA	PROPOSED	850/850	355°	1	130'	JUMPERS FROM RRHS	12'±
ALPHA	PROPOSED	1900/AWS	355°	1	130'	JUMPERS FROM RRHS	12'±
BETA	PROPOSED	C-BAND	115°	1	130'	POWER/FIBER CABLE FROM OVP	15'±
BETA	PROPOSED	700/850	115°	1	130'	JUMPERS FROM RRHS	12'±
BETA	PROPOSED	850/850	115°	1	130'	JUMPERS FROM RRHS	12'±
BETA	PROPOSED	1900/AWS	115°	1	130'	JUMPERS FROM RRHS	12'±
GAMMA	PROPOSED	C-BAND	245°	1	130'	POWER/FIBER CABLE FROM OVP	15'±
GAMMA	PROPOSED	700/850	245°	1	130'	JUMPERS FROM RRHS	12'±
GAMMA	PROPOSED	850/850	245°	1	130'	JUMPERS FROM RRHS	12'±
GAMMA	PROPOSED	1900/AWS	245°	1	130'	JUMPERS FROM RRHS	12'±

NOTE:
CONTRACTOR TO TAG HYBRID CABLE & JUMPERS AT BOTH ENDS WITH ANTENNA DESIGNATION AS PER COLOR CODING SHEET PROVIDED BY VERIZON WIRELESS AND AS DIRECTED BY VERIZON WIRELESS EQUIPMENT ENGINEER.

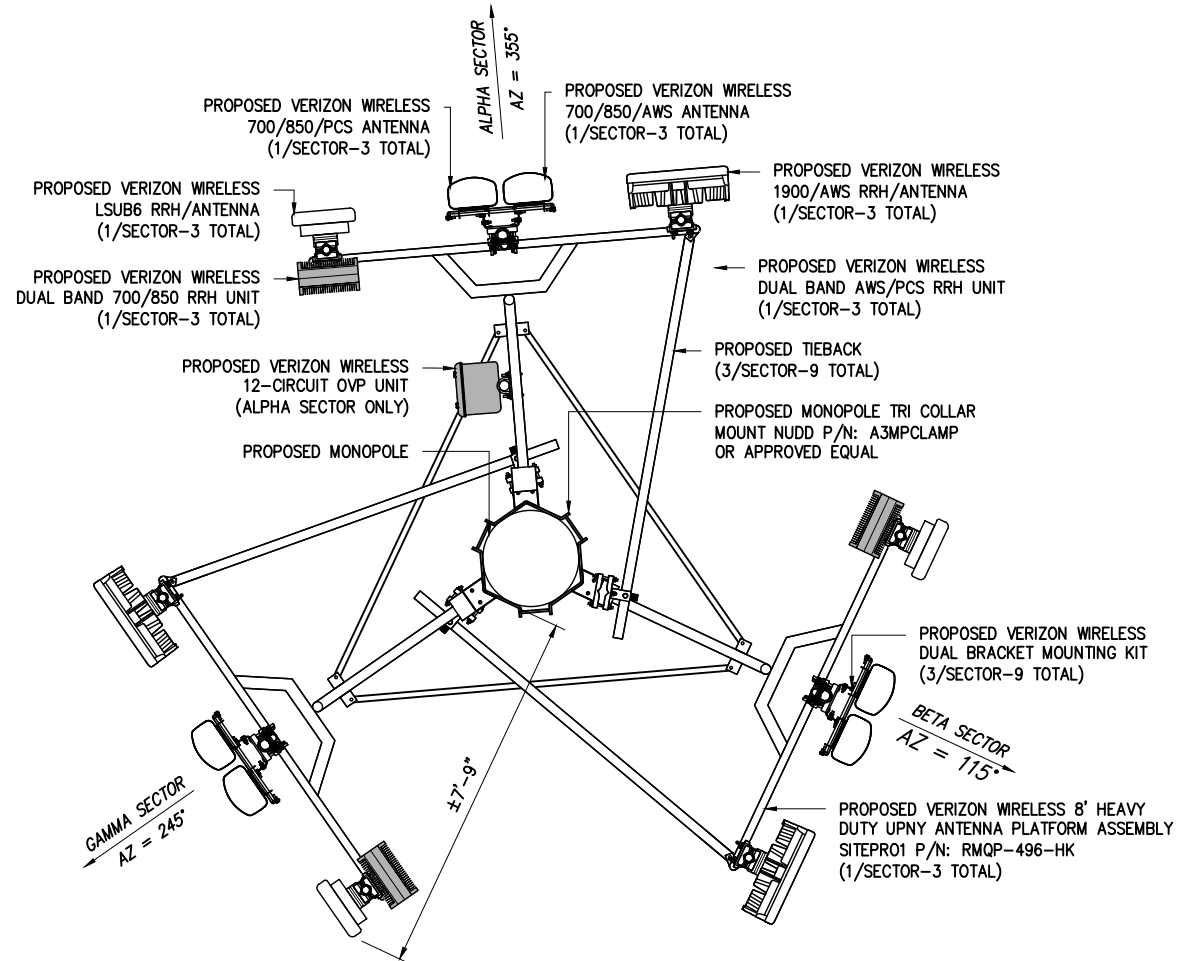
RRH/OVP AND HYBRID SCHEDULE						
SECTOR	STATUS	UNITS	# OF UNITS	CABLE TYPE	# OF CABLES	CABLE LENGTH
ALPHA	PROPOSED	6627 OVP	1	3X6 4AWG HYBRID CABLE	3	200'±
ALPHA	PROPOSED	700/850/RRH	1	POWER/FIBER CABLE FROM OVP	1	15'±
BETA	PROPOSED	700/850/RRH	1	POWER/FIBER CABLE FROM OVP	1	30'±
GAMMA	PROPOSED	700/850/RRH	1	POWER/FIBER CABLE FROM OVP	1	30'±



STRUCTURAL NOTE:
STRUCTURAL ANALYSIS NOT COMPLETED AT TIME OF ISSUANCE OF THESE DRAWINGS. PASSING STRUCTURAL ANALYSIS REQUIRED PRIOR TO INSTALLATION.

MOUNT ANALYSIS NOTE:
AIROSMITH ENGINEERING HAS NOT COMPLETED A MOUNT ANALYSIS AT TIME OF ISSUANCE OF THESE DRAWINGS.

SITE INFORMATION	
TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT



APPLICANT:
verticalbridge
THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:
AIROSMITH
AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING
318 WEST AVE.
SARATOGA SPRINGS, NY 12866
CLUSTER #
VB NE NSB 1.0

CARRIER:
verizon
1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:
STATE OF VERMONT
JOSEPH R. JOHNSTON
NO. 92691
CIVIL
PROFESSIONAL ENGINEER
03/26/26

DRAWINGS ISSUED FOR:				
REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



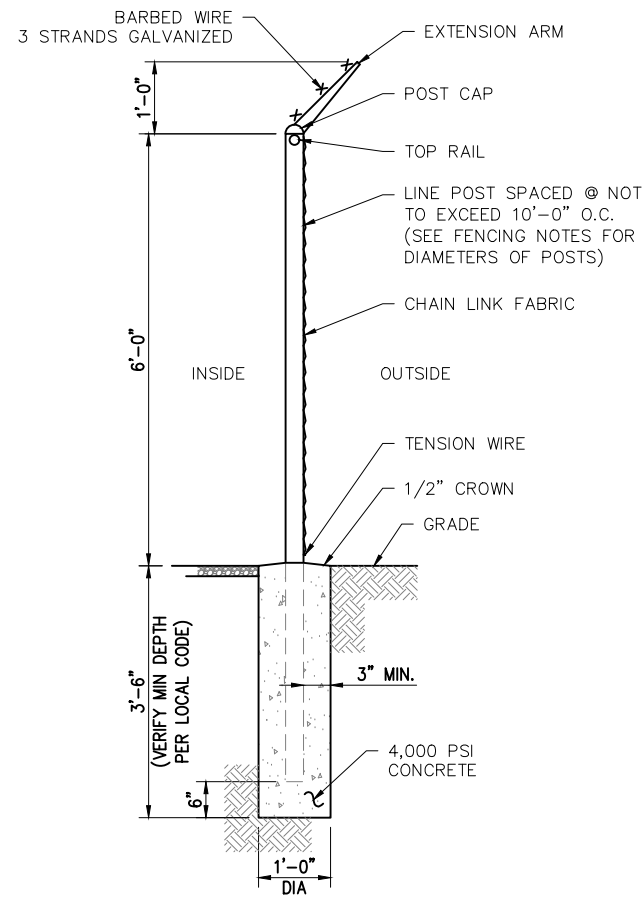
PROJECT INFORMATION:
SITE:
US-VT-5017
WASHINGTON VT
97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY
MONOPOLE

SHEET TITLE:
ELEVATION VIEW
AND ORIENTATION PLAN

SHEET NUMBER: **Z5** REVISION: **7**

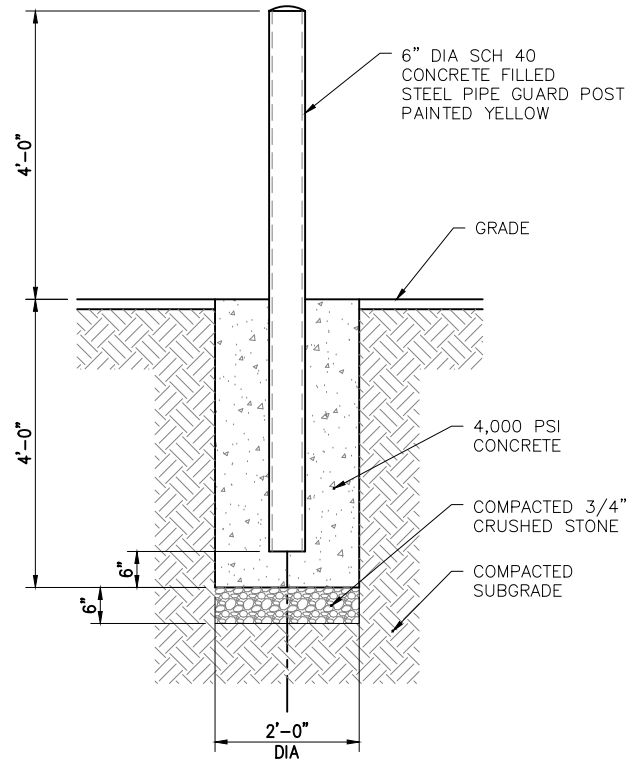
1 ELEVATION VIEW
SCALE: 1" = 20' (11"x17"), 1" = 10' (22"x34")

2 VERIZON WIRELESS ANTENNA ORIENTATION PLAN
SCALE: 1" = 4' (11"x17"), 1" = 2' (22"x34")



1 FENCE DETAIL

SCALE: NOT TO SCALE

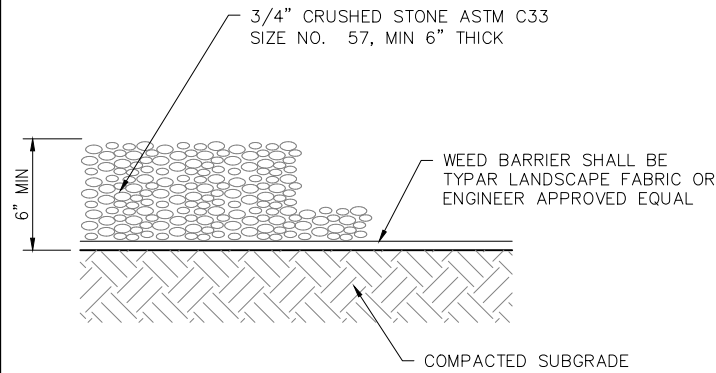


2 BOLLARD DETAIL

SCALE: NOT TO SCALE

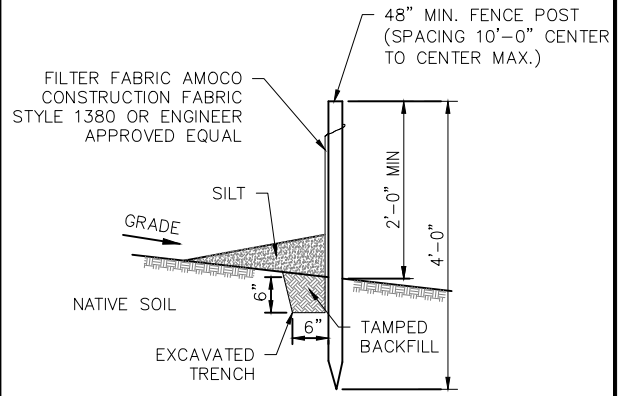
3 GRAVEL DETAIL

SCALE: NOT TO SCALE

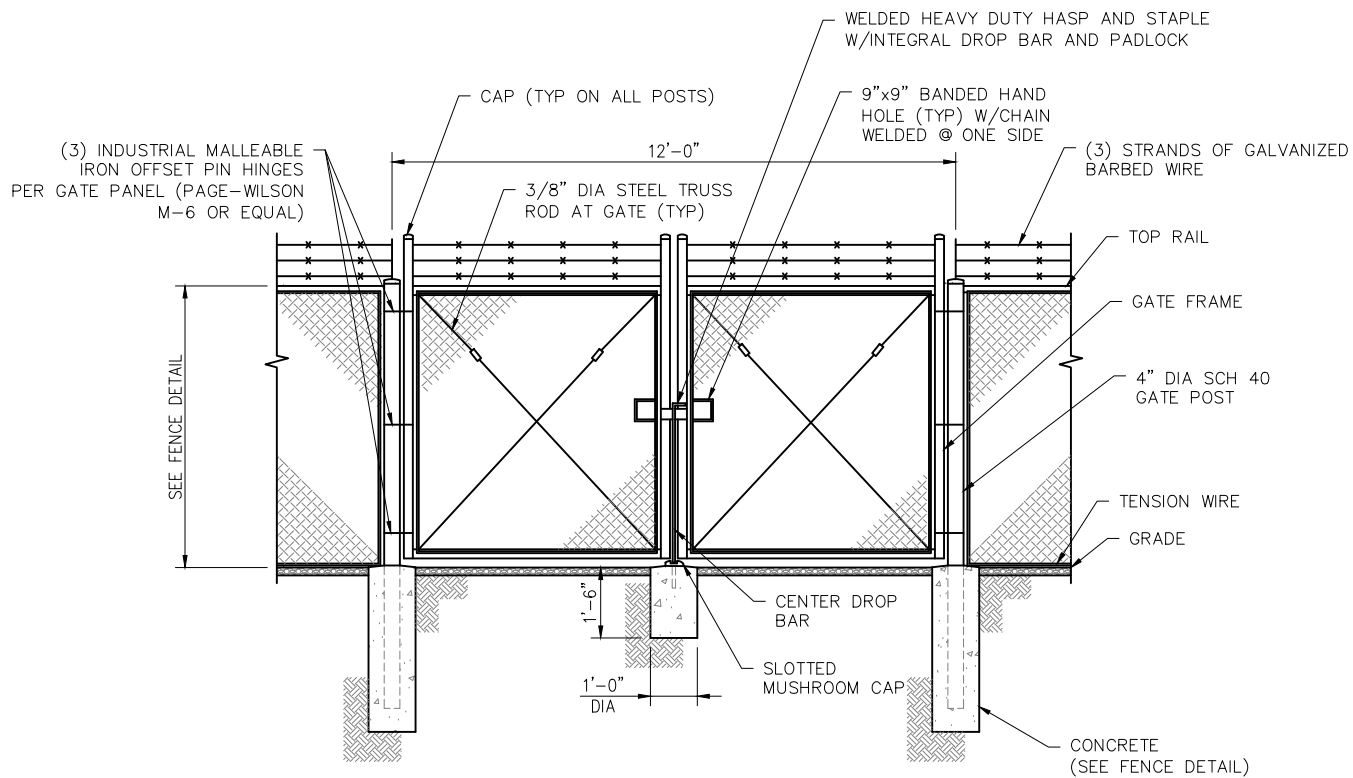


4 SILT FENCE DETAIL

SCALE: NOT TO SCALE

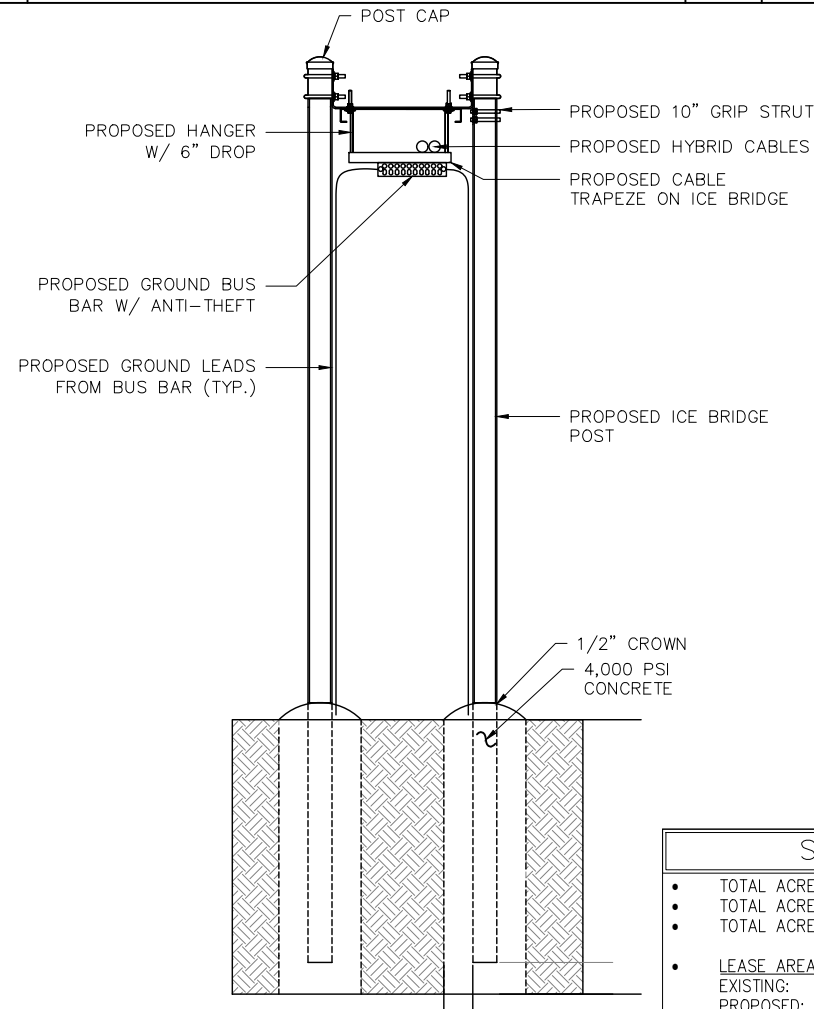


- NOTES:**
- SILT FENCE SHALL BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.
 - CONTRACTOR SHALL CONSTRUCT SILT FENCE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 - EXCAVATE TRENCH 6" WIDE X 6" DEEP. BURY BOTTOM 12" OF FABRIC AND TAMP IN PLACE.
 - WHEN FENCE IS NO LONGER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



5 DOUBLE GATE DETAIL

SCALE: NOT TO SCALE



6 CABLE BRIDGE DETAIL

SCALE: NOT TO SCALE

SITE INFORMATION	
• TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
• TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
• TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
• LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT

APPLICANT:

verticalbridge

THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:

AIROSMITH

AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING

318 WEST AVE.
SARATOGA SPRINGS, NY 12866

CLUSTER #
VB NE NSB 1.0

CARRIER:

verizon

1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

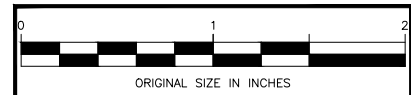
PROFESSIONAL STAMP:

STATE OF VERMONT
JOSEPH R. JOHNSTON
NO. 92691
CIVIL
Joseph R. Johnston
LICENSED PROFESSIONAL ENGINEER

03/26/26

DRAWINGS ISSUED FOR:

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4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



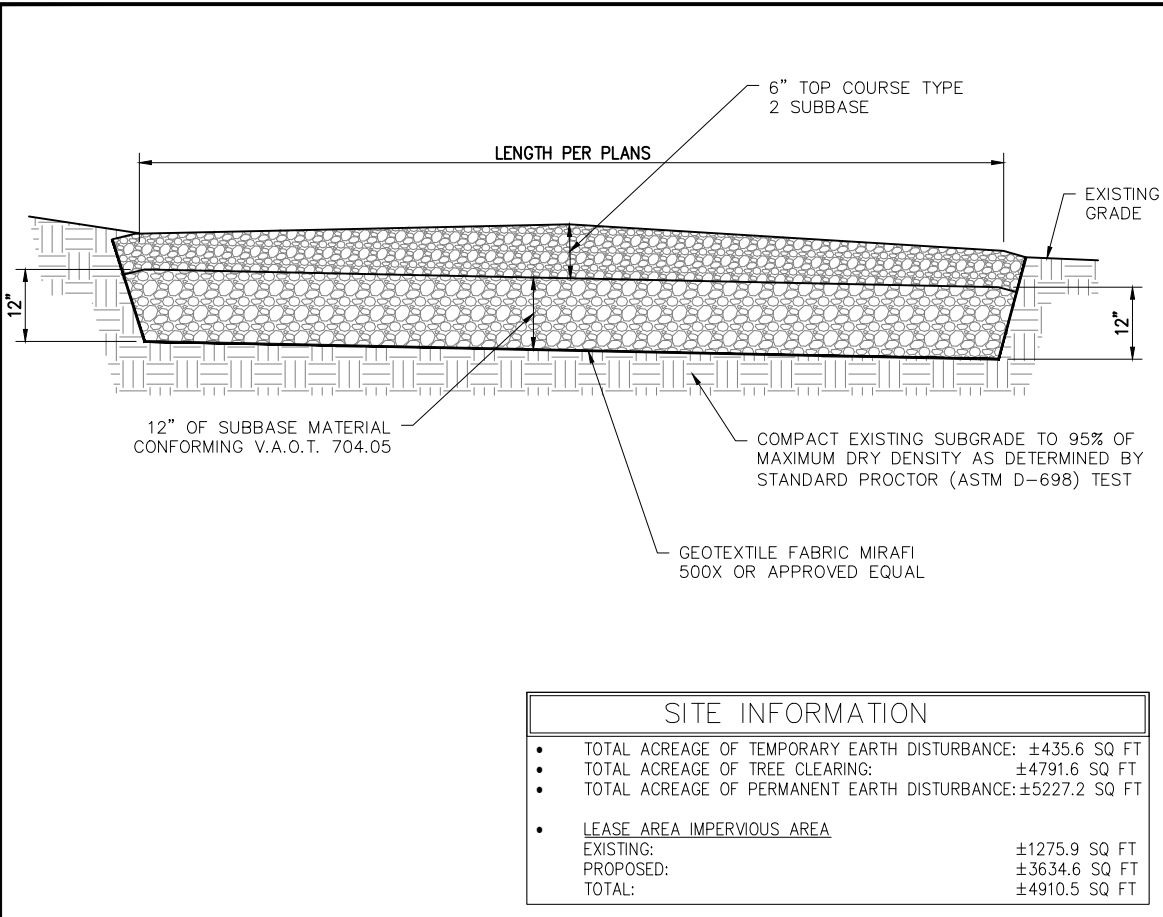
PROJECT INFORMATION:

SITE:
US-VT-5017
WASHINGTON VT
97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY
MONOPOLE

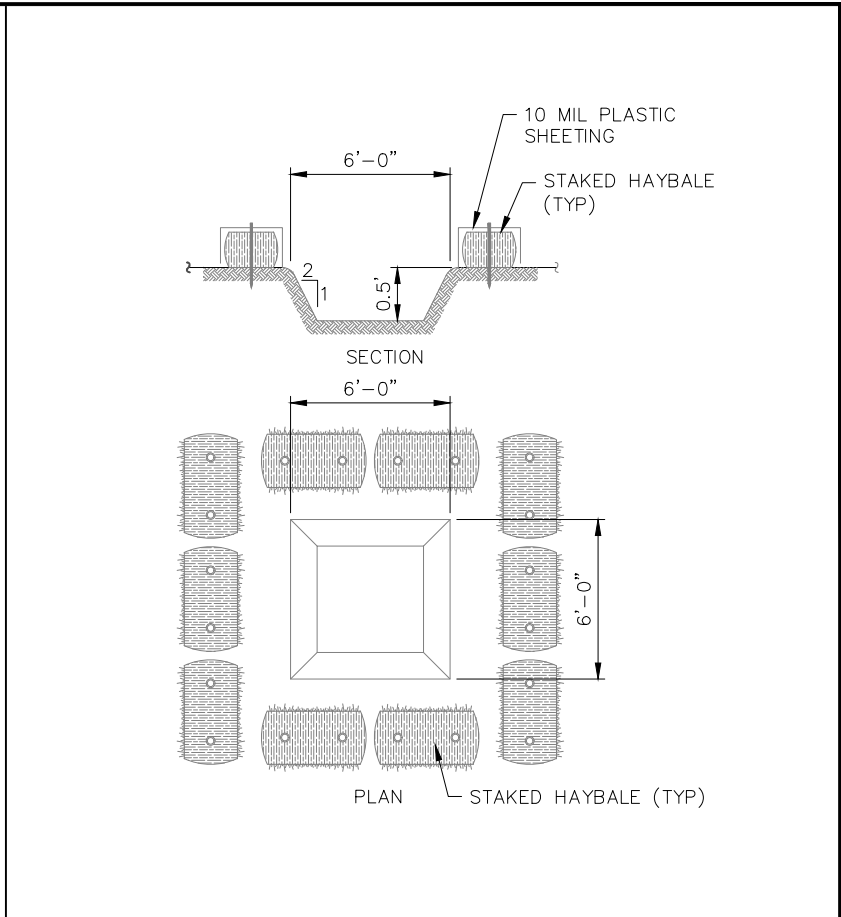
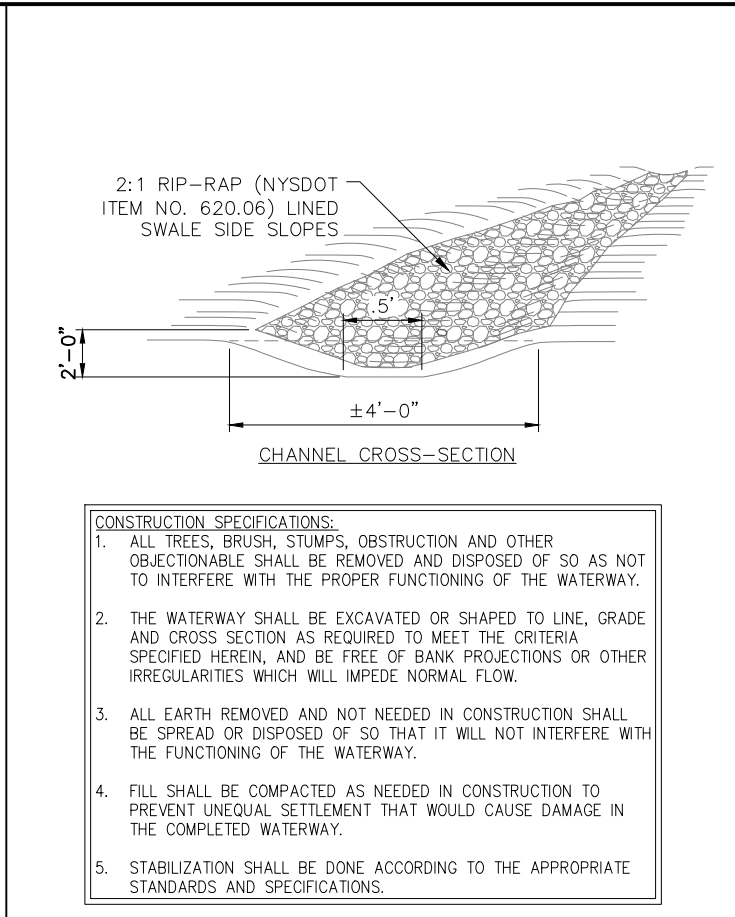
SHEET TITLE:

DETAILS

SHEET NUMBER: **Z6** REVISION: **7**



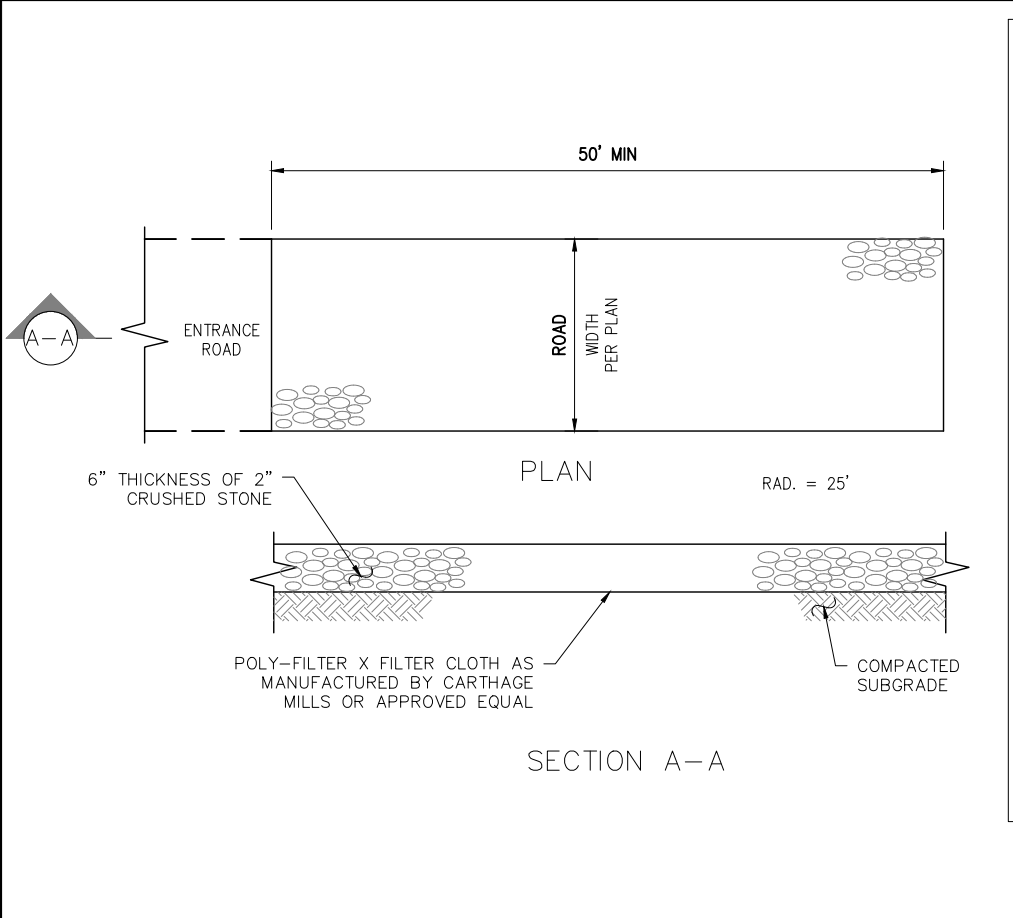
SITE INFORMATION	
• TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE:	±435.6 SQ FT
• TOTAL ACREAGE OF TREE CLEARING:	±4791.6 SQ FT
• TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
• LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT



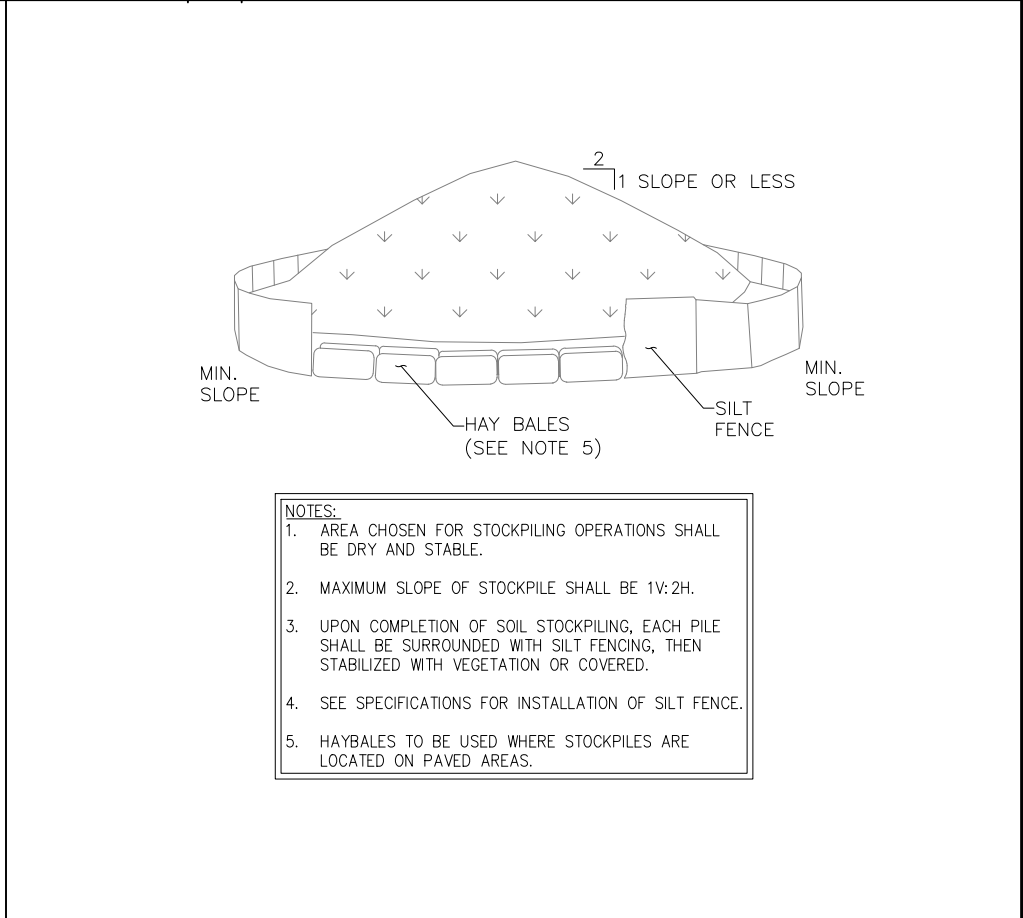
1 GRAVEL DRIVE CROSS SECTION
SCALE: NOT TO SCALE

2 RIP RAP SWALE DETAIL
SCALE: NOT TO SCALE

3 TEMPORARY CONCRETE WASH
SCALE: NOT TO SCALE



- NOTES:**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 50 FEET
 - THICKNESS - NOT LESS THAN SIX INCHES
 - WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. IF ACCUMULATED SOIL DOES NOT COME OFF BY WAY OF STABILIZED CONSTRUCTION ENTRANCE, THE CONTRACTOR SHALL KNOCK OFF ACCUMULATED SOIL BY MANUAL METHODS UPSLOPE OF A SILT FENCE BARRIER.
 - SEDIMENT TRAPPING - SILT FENCE BARRIER SHALL BE INSTALLED DOWN SLOPE OF CONSTRUCTION ENTRANCE TO CATCH ANY SEDIMENT THAT COULD POTENTIALLY FALL OFF OF CONSTRUCTION EQUIPMENT AND/OR VEHICLES.
 - PERIODIC INSPECTIONS AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



4 STABILIZED CONSTRUCTION ENTRANCE
SCALE: NOT TO SCALE

5 TEMPORARY SOIL STOCKPILE DETAIL
SCALE: NOT TO SCALE

APPLICANT:

verticalbridge

THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:

AIROSMITH

AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING

318 WEST AVE.
SARATOGA SPRINGS, NY 12866

CLUSTER #
VB NE NSB 1.0

CARRIER:

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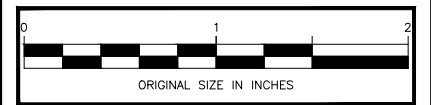
PROFESSIONAL STAMP:

STATE OF VERMONT
JOSEPH R. JOHNSTON
NO. 92691
CIVIL
PROFESSIONAL ENGINEER

03/26/26

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7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:

SITE:
US-VT-5017
WASHINGTON VT

97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY

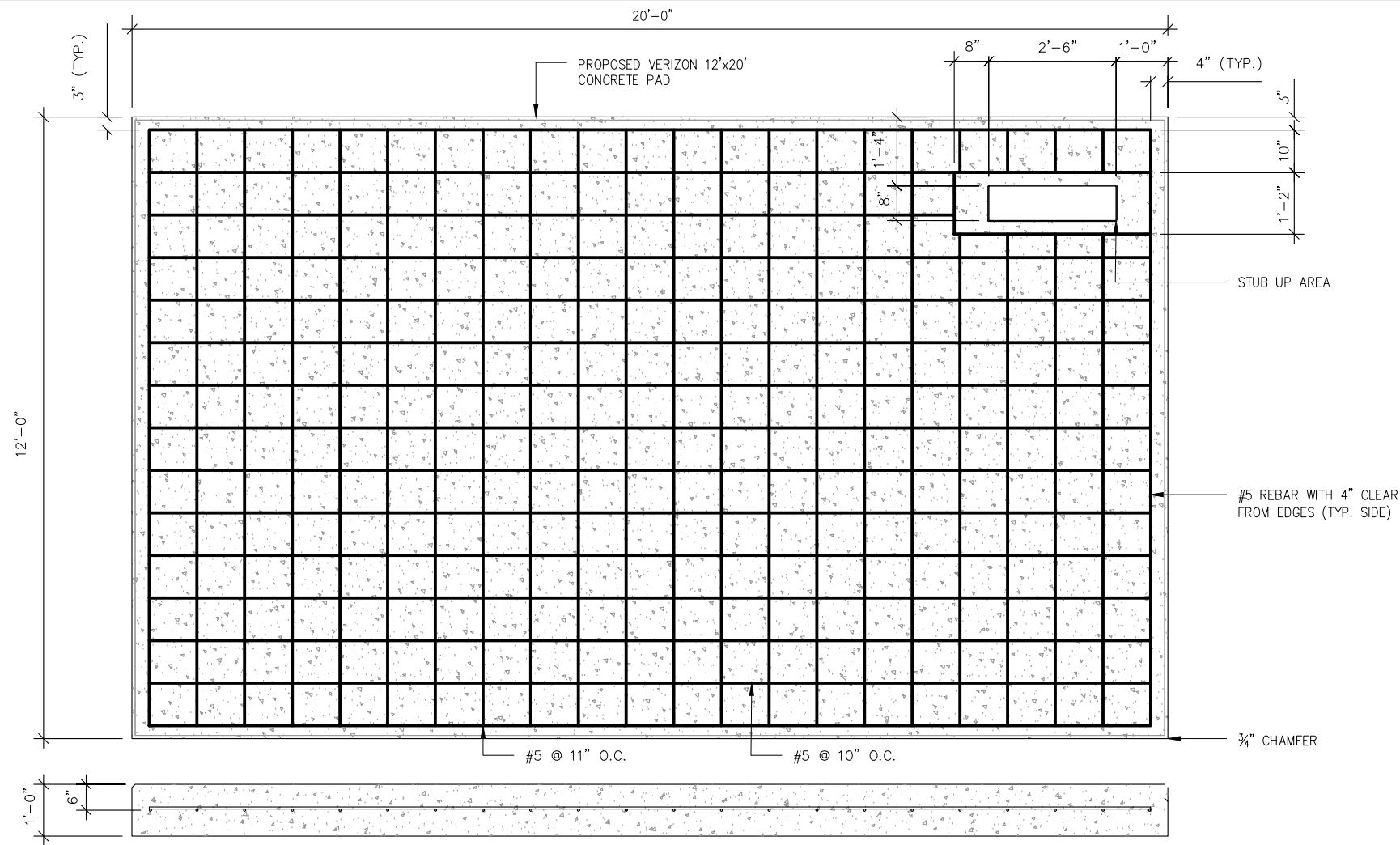
MONOPOLE

SHEET TITLE:

DETAILS

SHEET NUMBER: **Z7** REVISION: **7**

NOTES:
 1. PADS SHALL BE PRE-CAST MATCHING THIS DESIGN WHERE ALLOWED BY LOCAL JURISDICTION.
 2. REFER TO CONCRETE & REINFORCED STEEL NOTES ON SHEET G-002 & ATC SPEC 033000 FOR CAST-IN-PLACE PADS.



APPLICANT:
verticalbridge
 THE TOWERS, LLC
 22 WEST ATLANTIC AVENUE, SUITE 310
 DELRAY BEACH, FL 33444

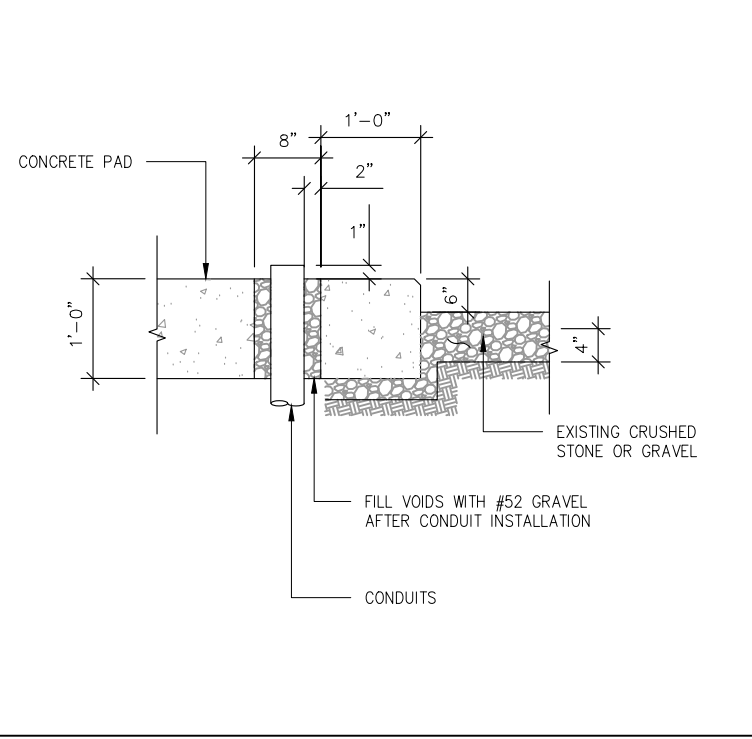
CONSULTANT TEAM:
AIROSMITH
 AIROSMITH DEVELOPMENT
 AIROSMITH ENGINEERING
 318 WEST AVE.
 SARATOGA SPRINGS, NY 12866
 CLUSTER #
 VB NE NSB 1.0

CARRIER:
verizon
 1275 JOHN STREET, SUITE 100
 WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:
 STATE OF VERMONT
 JOSEPH R. JOHNSTON
 NO. 92691
 CIVIL
 LICENSED PROFESSIONAL ENGINEER
 03/26/26

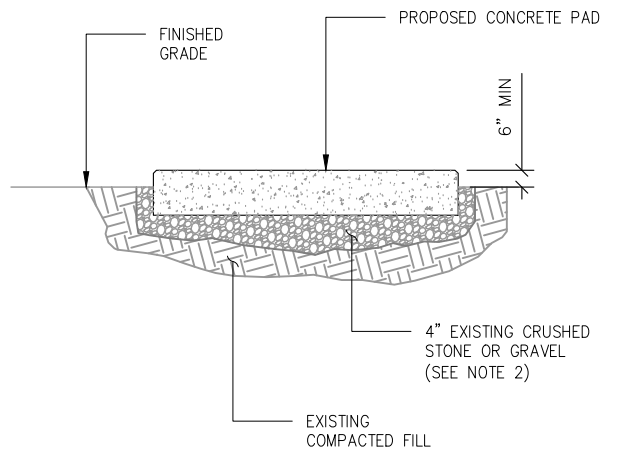
1 CONCRETE PAD DETAIL

SCALE: NOT TO SCALE



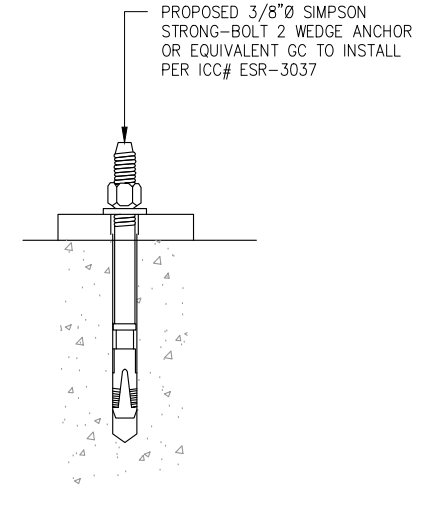
2 GEN. CONDUIT STUB UP DETAIL

SCALE: NOT TO SCALE



NOTES:
 1. SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. DELETRIOUS MATERIAL AND ORGANICS SHALL BE REMOVED.
 2. MECHANICALLY COMPACT FOOTPRINT OF PAD PLUS 2' PERIMETER.
 3. USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR EQUIPMENT ANCHORAGE.
 4.
 5. FOR SIZE AND LOCATION OF ANCHORS AND OTHER REQUIREMENT, SEE EQUIPMENT VENDOR DRAWINGS.

3 GRAVEL PREPERATION DETAIL



NOTE:
 INSTALL SIMPSON STRONG-TIE®STRONG-BOLT®2 WEDGE ANCHOR(S) STRICTLY PER INSTALLATION INSTRUCTIONS INCLUDED WITH PRODUCT OR FOUND ONLINE AT WWW.STRONGTIE.COM. PROPER INSTALLATION IS CRITICAL FOR FULL PERFORMANCE.

4 EXPANSION ANCHOR DETAIL

DRAWINGS ISSUED FOR:

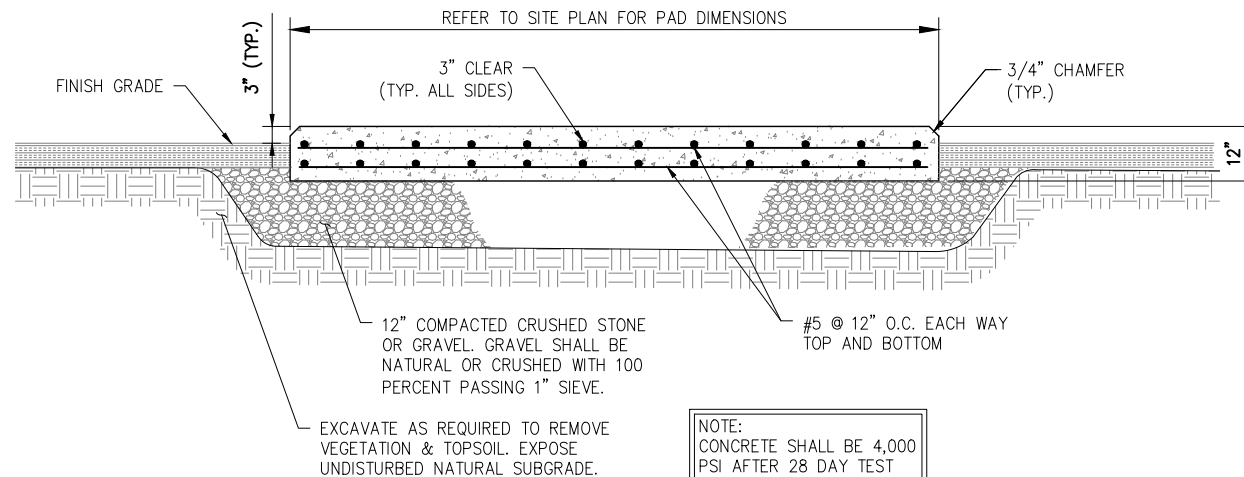
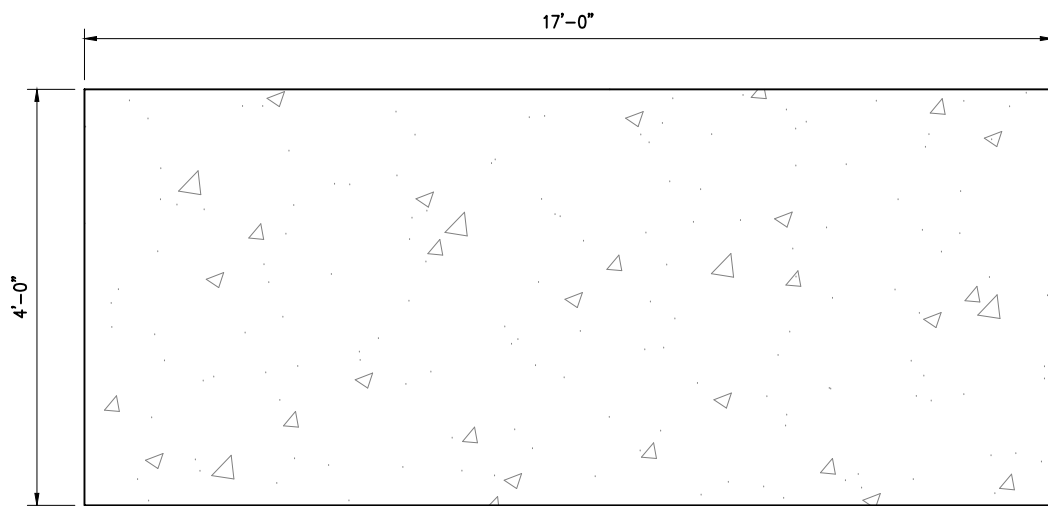
REV.	DATE	DRAWN	DESCRIPTION	QA/QC
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5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:
 SITE:
 US-VT-5017
 WASHINGTON VT
 97 HART HOLLOW ROAD
 WASHINGTON, VT 05675
 ORANGE COUNTY
 MONOPOLE

SHEET TITLE:
FOUNDATION PLAN

SHEET NUMBER: **Z8** REVISION: **7**



NOTE:
LENGTH & WIDTH OF LP TANK SLAB DEPENDENT ON TANK MANUFACTURER'S REQUIREMENTS.

SITE INFORMATION	
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• TOTAL ACREAGE OF PERMANENT EARTH DISTURBANCE:	±5227.2 SQ FT
• LEASE AREA IMPERVIOUS AREA	
EXISTING:	±1275.9 SQ FT
PROPOSED:	±3634.6 SQ FT
TOTAL:	±4910.5 SQ FT

APPLICANT:
verticalbridge
 THE TOWERS, LLC
 22 WEST ATLANTIC AVENUE, SUITE 310
 DELRAY BEACH, FL 33444

CONSULTANT TEAM:
AIRSMITH
 AIRSMITH DEVELOPMENT
 AIRSMITH ENGINEERING
 318 WEST AVE.
 SARATOGA SPRINGS, NY 12866
 CLUSTER #
 VB NE NSB 1.0

CARRIER:
verizon
 1275 JOHN STREET, SUITE 100
 WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:
 STATE OF VERMONT
 JOSEPH R. JOHNSTON
 NO. 92691
 CIVIL
 PROFESSIONAL ENGINEER
 03/26/26

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REV.	DATE	DRAWN	DESCRIPTION	QA/QC
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7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:
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 US-VT-5017
 WASHINGTON VT
 97 HART HOLLOW ROAD
 WASHINGTON, VT 05675
 ORANGE COUNTY
 MONOPOLE

SHEET TITLE:
 LP TANK
 FOUNDATION PLAN

SHEET NUMBER: **Z9** REVISION: **7**

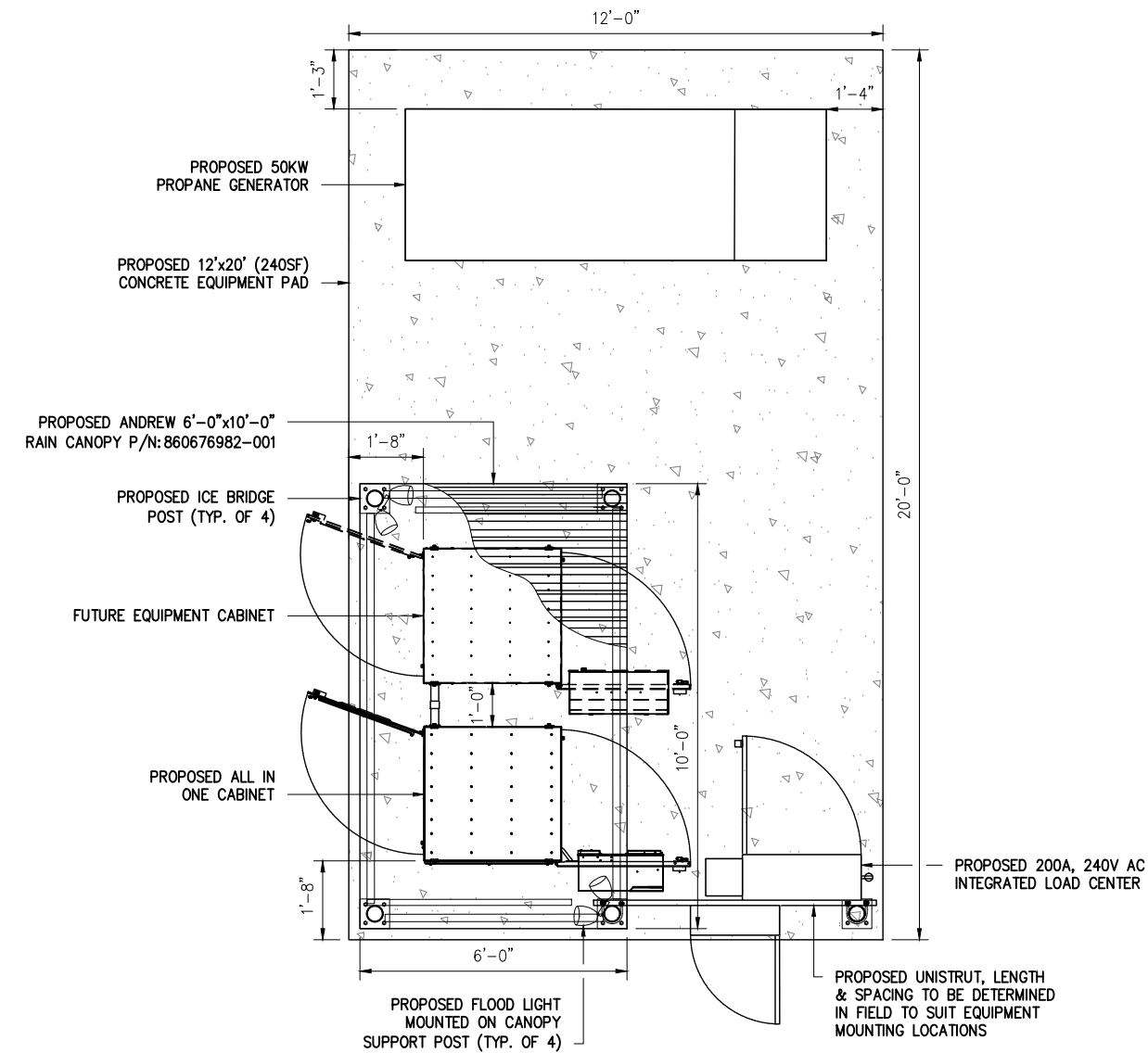
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LP TANK FOUNDATION DETAIL

SCALE: NOT TO SCALE

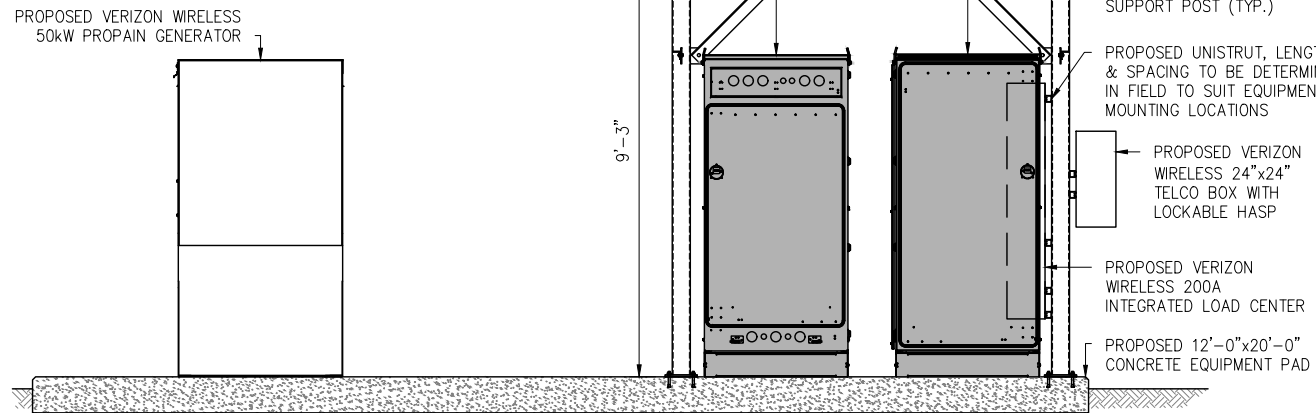
SITE INFORMATION

- TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE: ±435.6 SQ FT
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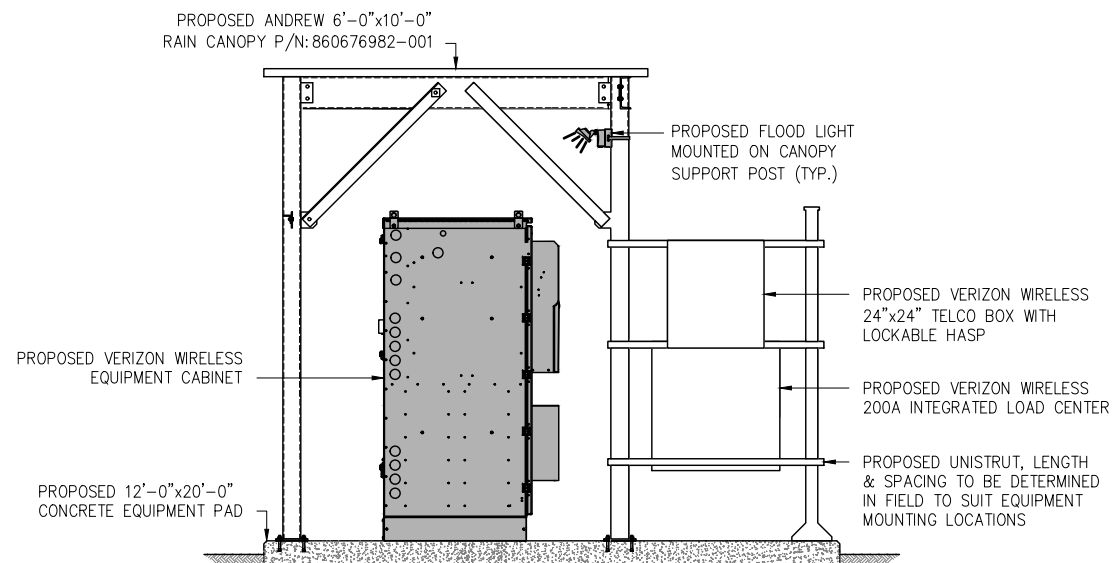
1 EQUIPMENT PLAN

SCALE: NOT TO SCALE



2 EQUIPMENT PLAN BACK VIEW

SCALE: NOT TO SCALE



3 EQUIPMENT PLAN FRONT VIEW

SCALE: NOT TO SCALE

APPLICANT:

verticalbridge

THE TOWERS, LLC
22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

CONSULTANT TEAM:

AIRSMITH

AIROSMITH DEVELOPMENT
AIROSMITH ENGINEERING

318 WEST AVE.
SARATOGA SPRINGS, NY 12866

CLUSTER #
VB NE NSB 1.0

CARRIER:

verizon

1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:

STATE OF VERMONT
JOSEPH R. JOHNSTON
NO. 92691
CIVIL
PROFESSIONAL ENGINEER

03/26/26

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7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:

SITE:
US-VT-5017
WASHINGTON VT

97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY
MONOPOLE

SHEET TITLE:

EQUIPMENT PLAN

SHEET NUMBER: **Z10** REVISION: **7**



General Parameter	
Datasheet Product Type	Rain Canopy
Width/ft	6
Length/ft	10
Support Type	Pad Mount Shoe
Support Pipe Length/in	108
Pipe Quantity	4
Height/in	111
Mass/lbs	691.2
Capacity	
Snow Load Rating/PSF	60
Wind Rating Test Method	ASCE 7-16

Component	Section	Material	Yield (KSI)
Pipe	HSS3.500X0.165	A500 Gr.C RND	46
Channel-1	C6X2	GR33	33.4
Channel-2	C6X5	GR33	33.4
Bracket	L2.7625X1.1	A36 Gr.36	36

APPLICANT:
verticalbridge
 THE TOWERS, LLC
 22 WEST ATLANTIC AVENUE, SUITE 310
 DELRAY BEACH, FL 33444

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PROJECT INFORMATION:
 SITE:
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 WASHINGTON VT
 97 HART HOLLOW ROAD
 WASHINGTON, VT 05675
 ORANGE COUNTY
 MONOPOLE

SHEET TITLE:
 CANOPY DETAILS

SHEET NUMBER: **Z11** REVISION: **7**

GENERAL NOTES

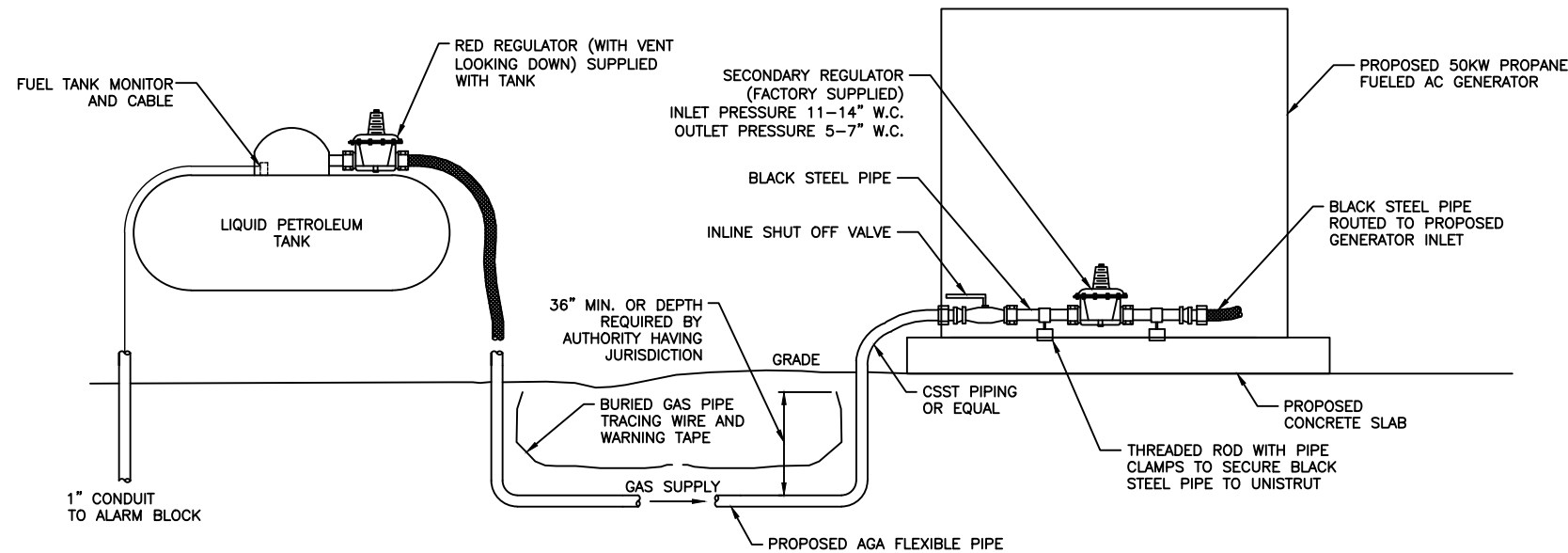
1. FILL PROPANE TANK UPON COMPLETION OF THE JOB. PROVIDE PROOF OF PURCHASE (SALES RECEIPT) IN CLOSEOUT DOCUMENTS.
2. GENERAL CONTRACTOR TO COORDINATE INSTALLATION OF AUTOMATIC SAFETY SHUTOFF VALVE POWER LEADS WITH DC/AC INVERTER INSTALLATION TO ATS. CONTACT CONSTRUCTION MANAGER.
3. GROUND PROPANE TANK, REFER TO GROUNDING DIAGRAM.
4. MAINTAIN MINIMUM 1'-0" VERTICAL AND 2'-0" HORIZONTAL SEPARATION OF GAS LINE FROM OTHER UTILITIES.
5. CONNECTION POINT MAY VARY WITH GENERATOR MANUFACTURER.
6. VERIFY LOCATION OF ALL EQUIPMENT PRIOR TO INSTALLATION.
7. COORDINATE GAS PIPE INSTALLATION WITH GAS COMPANY AND OTHER DISCIPLINES/UTILITIES.
8. CONTRACTOR SHALL ADHERE TO APPLICABLE STATE & LOCAL CODES.
9. FLEXIBLE CONNECTION TO BE SAME SIZE PIPING THAT IS PROVIDED BY THE GENERATOR SUPPLIER.
10. CONTRACTOR TO VERIFY GAS PRESSURE PER NOTE ON "GAS PIPE SIZING SCHEDULE".
11. CONTRACTOR TO PROVIDE LOW POINT DRAINS AND HIGH POINT VENTS PER NFPA AND AGA CODES.
12. CONTRACTOR SHALL PROVIDE A PROPANE TANK AND PIPING TO BE INSTALLED PER GENERATOR MANUFACTURERS REQUIREMENTS.
13. THE PROPANE TANK, PIPING, FITTINGS AND OTHER APPURTENANCES SHALL COMPLY WITH NFPA 58, LIQUEFIED PETROLEUM GAS CODE, INCLUDING THOSE ITEMS NOT SHOWN ON THE DRAWINGS, BUT REQUIRED BY NFPA 58 - I.E. PRESSURE RELIEF, VAPOR SHUT-OFF VALVE, LIQUID LEVEL GAGE, EXCESS FLOW VALVE, AS APPLICABLE, ETC.

GENERATOR MANUFACTURER CERTIFIED ELECTRICIAN (PENDING PROVIDED INFORMATION):

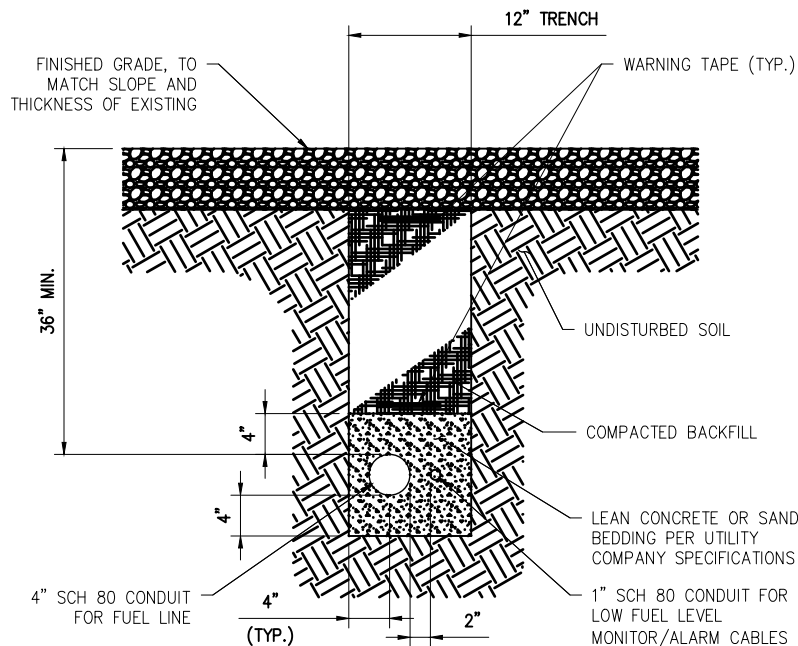
1. COMPLETE FUEL CONNECTIONS.
2. TERMINATE ALARMS AND CONTROL CIRCUITS TO THE GENERATOR.
3. INSTALL FUEL REGULATORS.
4. FINAL INSPECTION AND STARTUP.
5. NOTIFY OPERATIONS TWO DAYS PRIOR TO STARTUP SCHEDULE. PLAN ON CELL TECH ARRIVAL EARLY AFTERNOON. IF STARTUP PROBLEMS OCCUR, NOTIFY TECH OF DELAY BEFORE NOON.
6. RUN LOAD TEST AS REQUIRED.
7. EMAIL COPY OF STARTUP CHECKLIST TO CONSTRUCTION MANAGER.

SPECIFICATIONS:

1. PIPE (ABOVE GROUND): STEEL PIPE: ASTM A53, TYPE E OR S, ELECTRIC-RESISTANCE WELDED OR SEAMLESS, GRADE A OR B, SCHEDULE 40 BLACK STEEL, PAINTED YELLOW.
2. PIPE FITTINGS (ABOVE GROUND)
 - A. GRAY-IRON THREAD FITTING: ASME B16.4, CLASS 125, STANDARD PATTERN.
 - B. UNIONS: AMSE B16.39, CLASS 150, BLACK MALLEABLE IRON, FEMALE PATTERN, BRASS TO IRON SEAT, GROUND JOINT.
 - C. TRANSITION FITTING: TYPE, MATERIAL, AND END CONNECTIONS TO MATCH PIPING BEING JOINED.
 - D. PROVIDE DI-ELECTRIC UNIONS WHERE REQUIRED BETWEEN DIFFERENT METALLIC PIPE MATERIALS.
3. PIPE (UNDERGROUND): POLYETHYLENE (PE) PIPE: ASTM. D 2513, SDR 11 OR IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS.
4. PE FITTINGS (UNDERGROUND): ASTM D 2683. SOCKET TYPE OR ASTM D 3281. BUTT TYPE WITH DIMENSIONS MATCHING ASTM D 2513, SDR 11, PE PIPE.
5. TRANSITION FITTINGS: MANUFACTURED PIPE FITTING FOR CONNECTION TO PE PIPE AND WITH ONE ASTM A 533/A 53M, SCHEDULED 40, BLACK STEEL PIPE END FOR THREADED CONNECTION TO BLACK STEEL PIPE.
6. SERVICE-LINE RISER: MANUFACTURED PIPE FITTING WITH PE PIPE INLET FOR CONNECTION TO UNDERGROUND PE PIPE: PE PIPE RISER SECTION WITH PROTECTIVE-COATED, ANODES, STEEL CASING AND THREADED OUTLET FOR THREADED CONNECTION TO ABOVE GROUND STEEL PIPING.



- NOTES:**
1. FINAL CONNECTION TO GENERATOR INTAKE TO BE VIA SS FLEXIBLE PIPE CONNECTION PROVIDED BY GENERATOR MANUFACTURER



- NOTES:**
1. BACKFILL SHALL BE CLEAN FILL WITHOUT STONES AND SHALL BE THOROUGHLY COMPACTED IN 12" LAYERS BY TAMPING OR APPROVED EQUAL METHOD. NO BELLING OF TRENCH SHALL BE ALLOWED.
 2. SCH 40 PVC CONDUIT SHALL BE USED BELOW GRADE.
 3. SCH 80 PVC CONDUIT SHALL BE USED UNDER ROADWAY.

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318 WEST AVE.
SARATOGA SPRINGS, NY 12866

CLUSTER #
VB NE NSB 1.0

CARRIER:

verizon

1275 JOHN STREET, SUITE 100
WEST HENRIETTA, NY 14586

PROFESSIONAL STAMP:

STATE OF VERMONT
JOSEPH R. JOHNSTON
NO. 92691
CIVIL
PROFESSIONAL ENGINEER

03/26/26

DRAWINGS ISSUED FOR:

REV.	DATE	DRAWN	DESCRIPTION	QA/QC
4	01/09/26	SKB	REVISED PER COMMENTS	SKB
5	01/04/26	KPG	REVISED PER COMMENTS	SKB
6	03/17/26	HGG	REVISED PER COMMENTS	SKB
7	03/26/26	HGG	REVISED PER COMMENTS	SKB



PROJECT INFORMATION:

SITE:
US-VT-5017
WASHINGTON VT
97 HART HOLLOW ROAD
WASHINGTON, VT 05675
ORANGE COUNTY
MONOPOLE

SHEET TITLE:

PROPANE DETAILS

SHEET NUMBER: **Z12** REVISION: **7**

1 PROPANE DETAILS

SCALE: NOT TO SCALE