



February 9, 2016

County of Nelson
Department of Planning & Zoning
Attn: Tim Padalino
80 Front Street
Lovingsston, VA 22949

**RE: NTELOS Wireless Application for Equipment Upgrades
CV821 Greenfield – 5029 Rockfish Valley Highway, Nellysford
CV822 Lodebar – 266 Hearthstone Lane, Nellysford**

Dear Mr. Padalino;

Virginia PCS Alliance, L.C. ('NTELOS') requests the consideration of Nelson County to upgrade its existing telecommunications equipment on two (2) existing personal wireless service facilities in the County located at 5029 Rockfish Valley Highway and 266 Hearthstone Lane, Nellysford.

NTELOS is in the process of enhancing its existing 3G voice and data network by replacing old network equipment with 4G/LTE (Long Term Evolution) equipment that will provide improved call performance, expanded coverage, faster downloads and stronger indoor signals. The current 3G voice and data network utilizes the 1900 MHz spectrum only. Because of a unique partnership that NTELOS has with Sprint, NTELOS is able to have diverse spectrum available for its use. The proposed NTELOS 4G/LTE upgrades will use a tri-band system that will: 1) repurpose old Nextel spectrum (800 MHz spectrum) for increased coverage and better in-building coverage, 2) use Clearwire spectrum (2.5 GHz spectrum) for increased data capacity and 3) continue to use the existing Sprint/NTELOS spectrum (1900 MHz spectrum). By using this tri-band system, NTELOS and Sprint customers will have LTE enhancement, improved call quality and diverse data capacity. In addition to upgrading our current network of sites, NTELOS is also adding sites to increase capacity in saturated areas.

CV821 Greenfield – 5029 Rockfish Valley Road, Nellysford (Tax Parcel: 22-A-60)

NTELOS constructed this 120' monopole tower in 2009 and sold the tower to Pegasus-Sunsar Towers, LLC. Currently, NTELOS has (3) panel antennas located at the 117' radiation center (flush mounted) along with a small temporary microwave dish at the 111' radiation center. With this proposal, NTELOS is proposing to remove the existing tower equipment and replace it with (3) tri-band panel antennas at the 125' radiation center (10' above the current height of the tower – total above ground height 130') that will support multiple spectrum capabilities for 4G/LTE services along with (7) remote radio head amplifiers just below the proposed antennas. The proposed new antennas are proposed to be pipe mounted above the height of the tower only – the tower will not be extended, only the antennas. A new 2' diameter microwave dish is proposed at the 114' radiation center. Because of the prior zoning approval to only allow for flush mounted antennas, NTELOS cannot fit all its equipment within the allotted tower lease space, therefore we need to mount antennas above the current height of the tower. Another carrier (Verizon Wireless) has leased space direction below NTELOS on this tower. NTELOS is proposing to upgrade its

existing base station cabinets within the existing ground space. No expansion on the ground is required. Attached are photo simulations and site plan drawings of the NTELOS proposal.

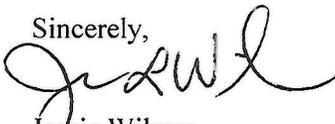
CV822 Lodebar – 266 Hearthstone Lane, Nellysford (WPOA – Open Space)

NTELOS is currently installed on this 130' monopole tower at the 125' radiation center with (3) flush mounted panel antennas. NTELOS constructed this 130' tower in 2009 and sold the tower to GrainComm I, LLC. Currently, NTELOS has (3) panel antennas located at the 125' radiation center (flush mounted) along with a small temporary microwave dish at the 119' radiation center. With this proposal, NTELOS is proposing to remove the existing tower equipment and replace it with (3) tri-band panel antennas at the 125' radiation center that will support multiple spectrum capabilities for 4G/LTE services along with (7) remote radio head amplifiers just below the proposed antennas. A new 2' diameter microwave dish is proposed at the 115' radiation center. No additional antenna height is requested at this site. NTELOS is proposing to upgrade its existing base station cabinets within the existing ground space. No expansion on the ground is required. Attached are photo simulations and site plan drawings of the NTELOS proposal.

With the increased data capacity needed for 4G/LTE services, Ethernet backhaul fiber is required at every cell tower site to provide data services. Ethernet fiber is currently available along Rt. 151 with Verizon (wireline) to provide backhaul to the CV821 Greenfield tower, however, there is not Ethernet fiber available at the CV822 Lodebar site located on mountain ridge west of Stoney Creek. With this application, in addition to the 4G/LTE antenna upgrade proposed by NTELOS at each site, we are also requesting to add 2' licensed microwave dishes to each site to provide Ethernet backhaul via microwave to CV822 Lodebar. CV821 Greenfield will be the host site and CV822 Lodebar is the target site.

The proposed equipment upgrades by NTELOS are compatible with the existing character of the existing wireless facility and the upgrade will have no visual impact on the surrounding area than its current scenario. This proposal will deliver a much improved customer communications experience and will serve the public health and safety needs to the community by providing increased wireless voice capabilities and improved high speed data services to this area of Nelson County. I look forward to receiving your comments regarding this proposal. Please feel free to contact me if you need additional information.

Sincerely,



Jessie Wilmer
NTELOS
Sr. Site Acquisition Specialist
(540) 241-5060
wilmerj@ntelos.com



PERMIT APPLICATION:

Nelson County Department of Planning & Zoning

TO THE ZONING ADMINISTRATOR: _____ # _____
application type application number

1. The undersigned hereby petitions the Planning Commission and/or Board of Supervisors for approval of the following (check appropriate box):

- | | |
|---|--|
| <input type="checkbox"/> Rezoning from _____ to _____ | <input type="checkbox"/> Conditional Rezoning from _____ to _____ |
| <input type="checkbox"/> Subdivision – Preliminary | <input type="checkbox"/> Site Plan – Preliminary (optional) |
| <input type="checkbox"/> Subdivision – Final | <input checked="" type="checkbox"/> Site Plan – Final |
| <input type="checkbox"/> Major Site Plan | <input checked="" type="checkbox"/> Special Use Permit |
| <input type="checkbox"/> Minor Site Plan | <input checked="" type="checkbox"/> Other: <u>Wireless Application class C</u> |

- Pursuant to Article 20, Section 13 of the Nelson County Zoning Ordinance.
 Pursuant to Section _____, Subsection _____ of the Nelson County Subdivision Ordinance.

Reason(s) for request: Upgrade equipment by Ntelos Wireless on existing 130' tower. Install antennas at same location and install 2' microwave dish.

(Please use reverse or attach additional sheet if more space is needed.)

2. Applicant(s) and Property Owner(s):

(Please provide names of applicants and property owners and indicate applicable title; if applicant is not the property owner, please show relationship, i.e. lessee, contract purchaser, etc.)

Applicant Property Owner Name: Ntelos Wireless - Jessie Wilmer
Mailing Address: 1150 Shenandoah Village Drive, Waynesboro, Va 22980
Telephone # (540) 241-5000 E-mail Address: wilmerj@ntelos.com
Relationship (if applicable): Tenant on existing tower

Applicant Property Owner Name: Wintergreen POA - Curtis Sheets
Mailing Address: PO Box 587, Nellysford, Va 22958
Telephone # (540) 480-3184 E-mail Address: curtissheets@gmail.com
Relationship (if applicable): lessor

(Please attach additional sheet if more space is needed for applicant(s) / property owner(s) info.)

3. Location and Characteristics of Subject Property:

a. Address of property (specific location, route numbers, street names, voting district, etc.):

266 Hearnston Lane, Nellysford

b. Official tax map number: N/A - WPOA Open Space

c. Acreage of property: _____

d. Present use: Telecommunications tower

e. Present zoning classification: N/A RPC

f. Zoning classification of surrounding properties: RPC

4. Names of Adjacent Property Owners: Agua Wintergreen Valley Utility, Paul Freed, Jonathan Hawkins, WPOA, Howard Hawkins

5. Affidavit: The undersigned applicant(s) and/or property owner(s) certifies that this application and the foregoing answers, statements, and other information herewith submitted are, in all respects, true and correct to the best of their knowledge and belief. Also, the applicant(s) and/or property owner(s) gives permission for members of the Planning Commission, Board of Supervisors, and County Staff to visit and view the subject property.

Signature: Jr RWL Printed Name: Jessica Wilmer

Signature: _____ Printed Name: _____

(Please attach additional sheet if more space is needed for applicant(s) / property owner(s) signatures.)

6. Additional information: *(Please attach separate sheet for additional details, explanations, etc.)*

7. Please note: In the event of cancellation or postponement at your request after the initial newspaper advertisement for this application, an additional fee will apply for re-advertisement (determined by the actual cost of the ad). This fee will not apply in cases of Planning Commission or Board of Supervisors deferment.

***** TO BE COMPLETED BY PLANNING & ZONING STAFF *****

- Completed application and fee (\$ _____) received on _____
- Hearing Notice published on _____
- Planning Commission action: Date of Meeting / Hearing: _____
Recommendation: _____
- Board of Supervisors action: Date of Hearing: _____ Date of Decision: _____
Action: _____



**LODEBAR
GRAIN #2046-VA-003601
CV822**

**266 HEARTHSTONE LANE
NELLYSFORD, VA 22958**

**EQUIPMENT CHANGE OUT ON
EXISTING SITE**



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

SITE NAME: **LODEBAR**

SITE NUMBER: **CV822**

SITE ADDRESS:
266 HEARTHSTONE LANE
NELLYSFORD VA, 22958

PROPERTY OWNER:
**WINTERGREEN PROPERTY OWNERS
P.O. BOX 711
WINTERGREEN VA, 22958**

COUNTY: **NELSON**

LATITUDE: **N37° 54' 38.3"**

LONGITUDE: **W78° 53' 02.2"**

PROPERTY OWNER: _____

NTELOS RF ENGINEER: _____

NTELOS CONSTRUCTION MANAGER: _____

NTELOS OPERATIONS MANAGER: _____

SITE ACQUISITION MANAGER: _____

SIGNATURE (REQUIRED BY DEPARTMENTS) DATE

SIGNATURE BLOCK

NO.	REVISION/ISSUE	DATE
1	ZONING DRAWINGS	6/17/15
2	FRA DRAWINGS	1/20/16
3	ZONING DRAWINGS	2/3/16



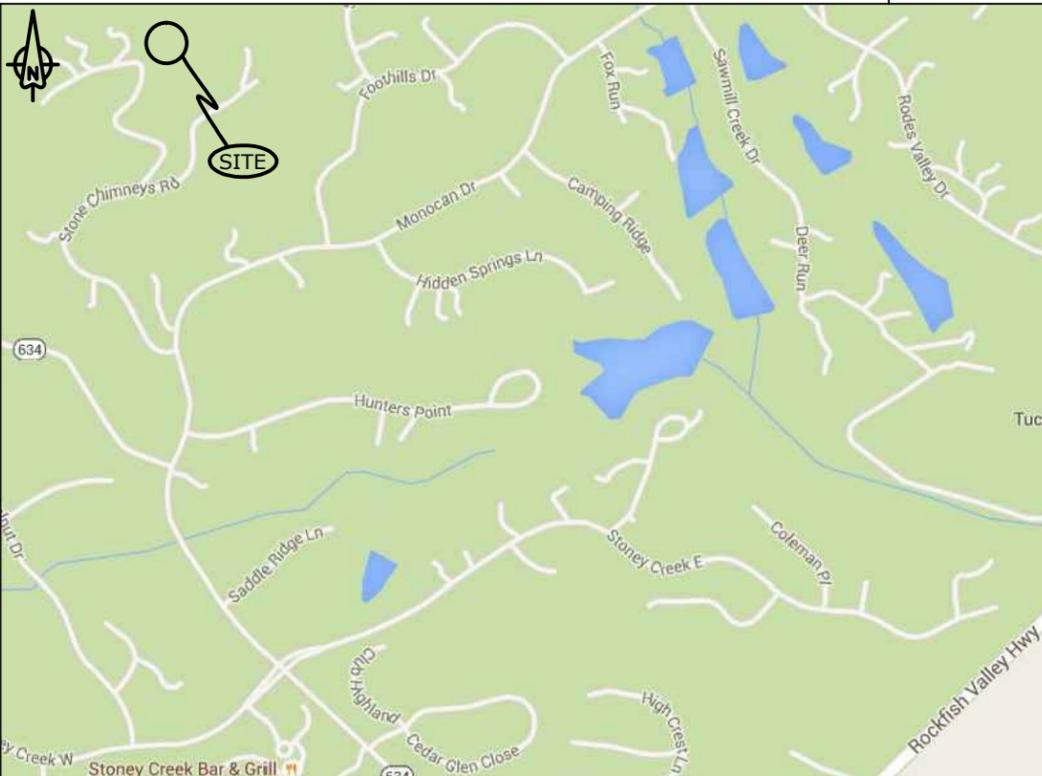
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TITLE SHEET SHEET T-1



AREA MAP



VICINITY MAP

SITE DIRECTIONS
FROM WAYNESBORO, VA: TAKE ROCKFISH GAP TURNPIKE TO VA-150. AFTER 18 MILES, TURN RIGHT ONTO MONOCAN DR/STATE ROAD 634. CONTINUE AND MAKE A LEFT ON STONE CHIMNEYS ROAD FOLLOWED BY A LEFT ONTO HEARTHSTONE LANE.

PLACEMENT OF NEW CABINETS AND ANTENNAS ON EXISTING TOWER SITE

PROJECT DESCRIPTION

DIRECTIONS TO SITE

SITE NAME
LODEBAR

SITE NUMBER
CV822

SITE ADDRESS
266 HEARTHSTONE LANE
NELLYSFORD VA, 22958

PROPERTY OWNER
WINTERGREEN PROPERTY OWNERS
P.O. BOX 711
WINTERGREEN VA, 22958

SITE DATA
NAD 83 LATITUDE - N 37° 54' 38.3"
NAD 83 LONGITUDE - W 78° 53' 02.2"

JURISDICTION
NELLYSFORD/NELSON COUNTY

CONTACTS
nTELOS (CONSTRUCTION)
BEN PIERCE
(804) 327-5474 - PHONE
(804) 327-5491 - FAX
nTELOS (LEASING)
DEBBIE BALSER
(540) 941-4220 EXT. 3071 - PHONE
(540) 941-4106 - FAX

PROJECT INFORMATION

SHEET	TITLE	DESCRIPTION
T-1	TITLE SHEET	
C-1	LOCATION MAP	
C-2	EXISTING CONDITIONS	
C-3	PROPOSED SITE PLAN	
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D-5	6 SECTOR MOUNT DETAIL	
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SHEET INDEX

POLICE/FIRE/RESCUE
911

ELECTRIC POWER
CVEC
CONTACT: CUSTOMER SERVICE
PHONE#: 800-367-2832

TELEPHONE
MICROWAVE VIA CV821

EMERGENCY AND UTILITY CONTACTS

NTELOS NOC
(800) 566-9568 - PHONE

CURRENT DIVISION (PLANNER) DATE

SIGNATURE PANEL

NORTH MERIDIAN REFERENCED TO VA
STATE PLANE COORDINATE SYSTEM
SOUTH ZONE (NAD83)



WINTERGREEN PROPERTY OWNERS ASSOCIATION, INC.
INST. #010004975
T.M. #21-A-75



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

SITE NAME: LODEBAR

SITE NUMBER: CV822

SITE ADDRESS:
266 HEARTHSTONE LANE
NELLYSFORD VA, 22958

PROPERTY OWNER:
WINTERGREEN PROPERTY OWNERS
P.O. BOX 711
WINTERGREEN VA, 22958

COUNTY: NELSON

LATITUDE: N37° 54' 38.3"

LONGITUDE: W78° 53' 02.2"

NO.	REVISION/ISSUE	DATE
1	ZONING DRAWINGS	6/17/15
2	FRA DRAWINGS	1/20/16
3	ZONING DRAWINGS	2/3/16



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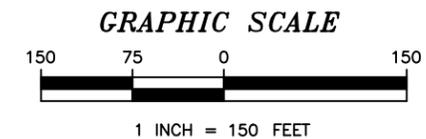
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LOCATION MAP

SHEET

C-1



NORTH MERIDIAN REFERENCED TO VA
STATE PLANE COORDINATE SYSTEM
SOUTH ZONE (NAD83)



LEGEND

---	PROPERTY LINE
- - - -	TRACT LINE
- - - -	LEASE LINE
- - - -	ROW LINE
-x-x-x-x-	EXISTING FENCE LINE
-xx-xx-xx-xx-	PROPOSED FENCE LINE
-g-g-g-g-	GAS LINE
-e-e-e-e-	OVERHEAD POWER
-t-t-t-t-	OVERHEAD TELEPHONE
-ue-ue-ue-ue-	UNDERGROUND POWER
-ut-ut-ut-ut-	UNDERGROUND TELCO.
-EAT-EAT-EAT-EAT-	OVERHEAD POWER/TELEPHONE 5/8" REBAR W/CAP SET
○	FOUND MONUMENTATION
□	CALCULATED POINT
⊙	EXISTING UTILITY POLE
⊙	PROPOSED UTILITY POLE



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

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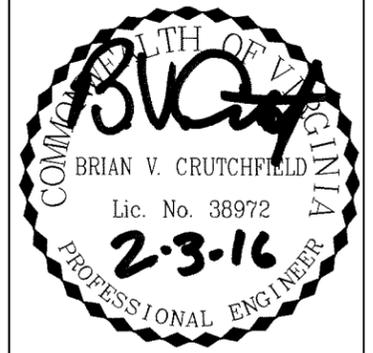
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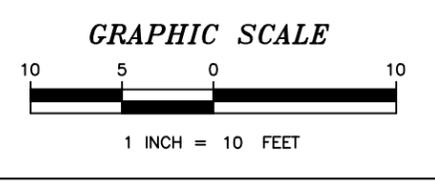
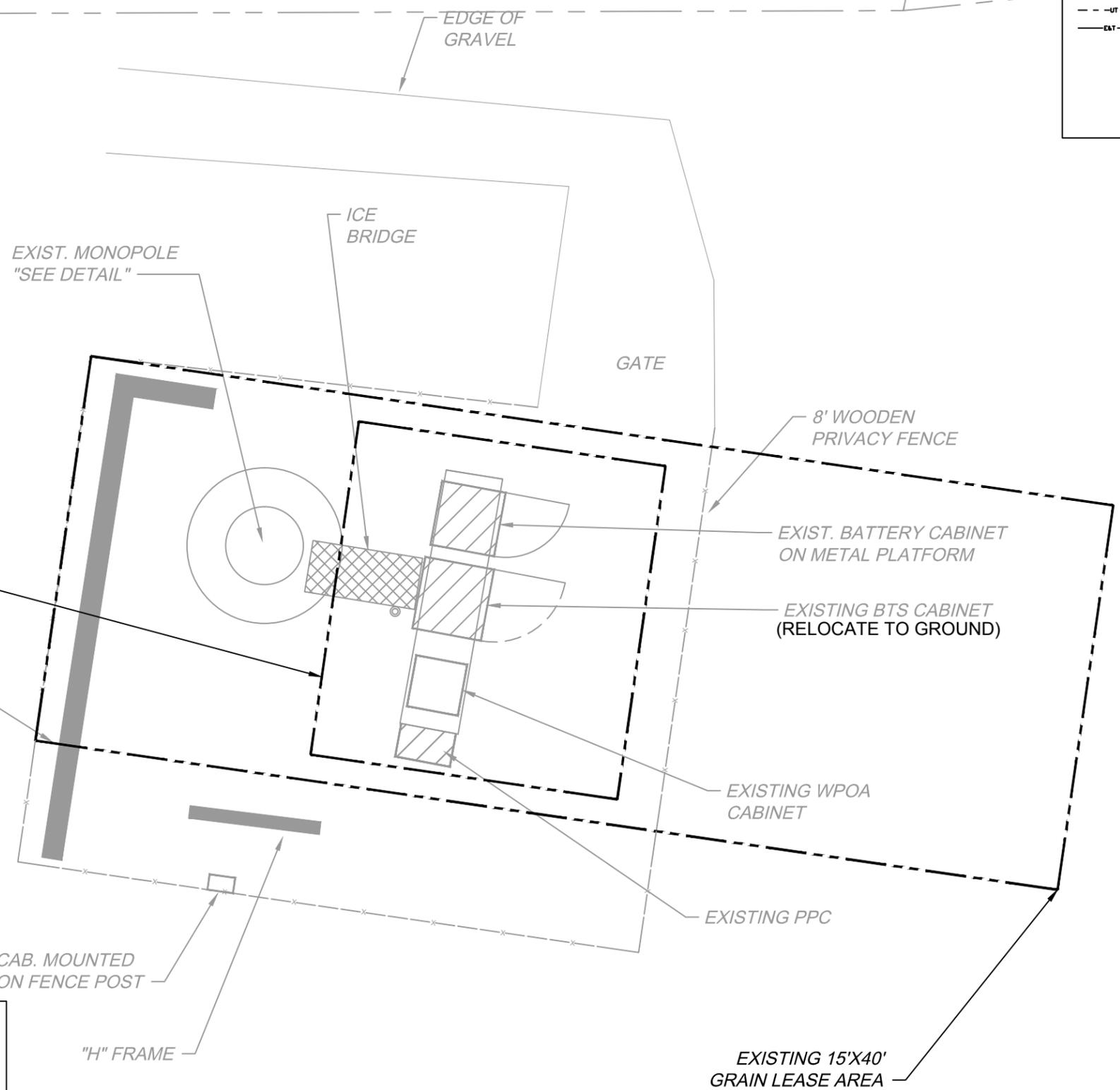
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EXISTING CONDITIONS PLAN SHEET
C-2



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STATE PLANE COORDINATE SYSTEM
SOUTH ZONE (NAD83)



LEGEND	
---	PROPERTY LINE
----	TRACT LINE
- - - -	LEASE LINE
- . - . -	ROW LINE
- x - x - x - x -	EXISTING FENCE LINE
- xx - xx - xx - xx -	PROPOSED FENCE LINE
- G - G - G - G -	GAS LINE
- E - E - E - E -	OVERHEAD POWER
- T - T - T - T -	OVERHEAD TELEPHONE
- - - - -	UNDERGROUND POWER
- - - - -	UNDERGROUND TELCO.
- - - - -	OVERHEAD POWER/TELEPHONE
○	5/8" REBAR W/CAP SET
□	FOUND MONUMENTATION
○	CALCULATED POINT
○	EXISTING UTILITY POLE
○	PROPOSED UTILITY POLE



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

SITE NAME: LODEBAR

SITE NUMBER: CV822

SITE ADDRESS:
266 HEARTHSTONE LANE
NELLYSFORD VA, 22958

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P.O. BOX 711
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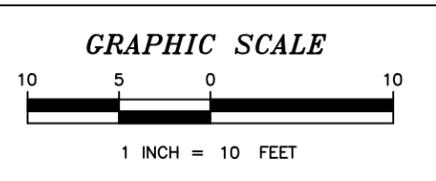
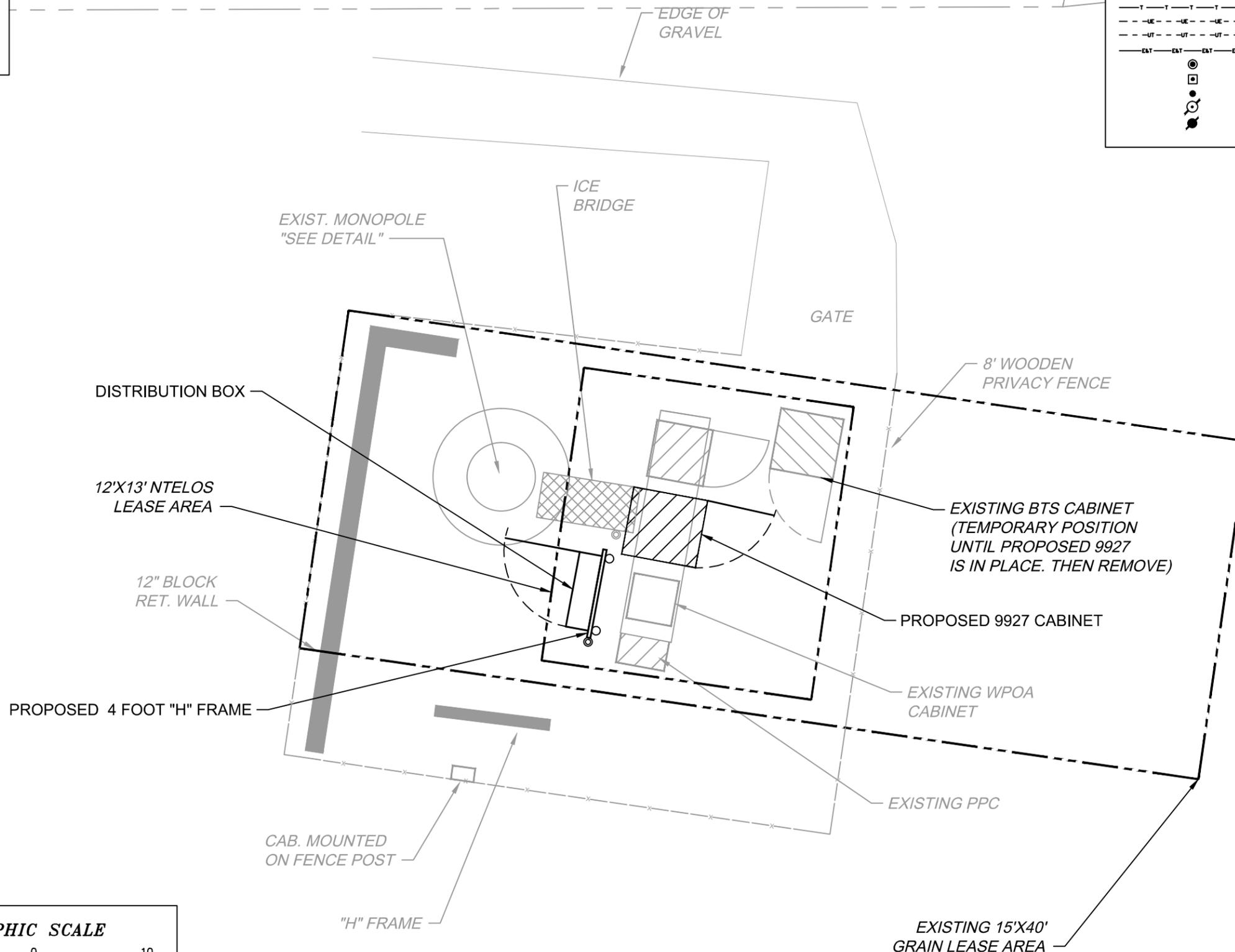


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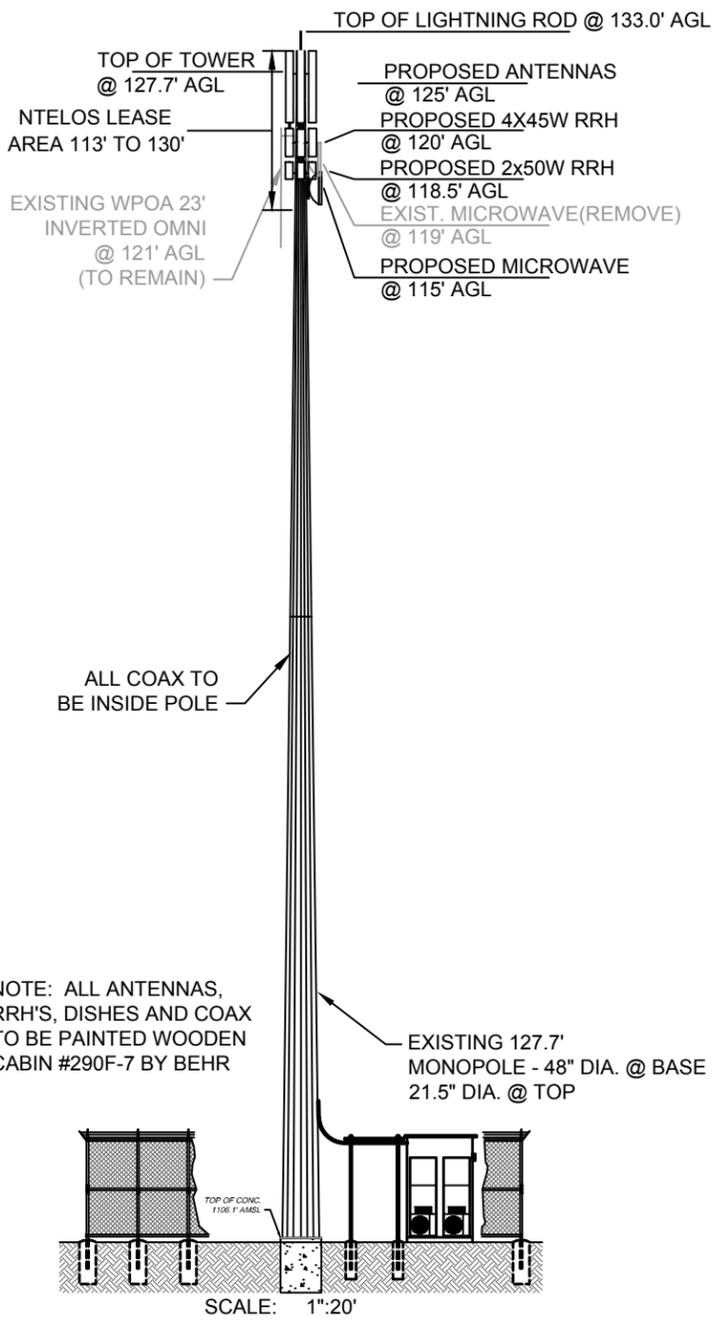
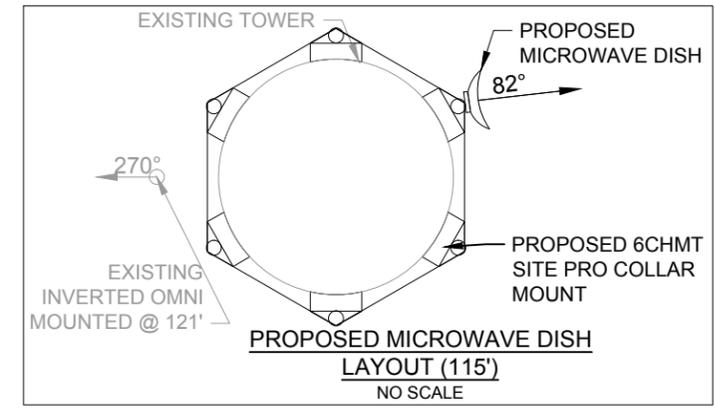
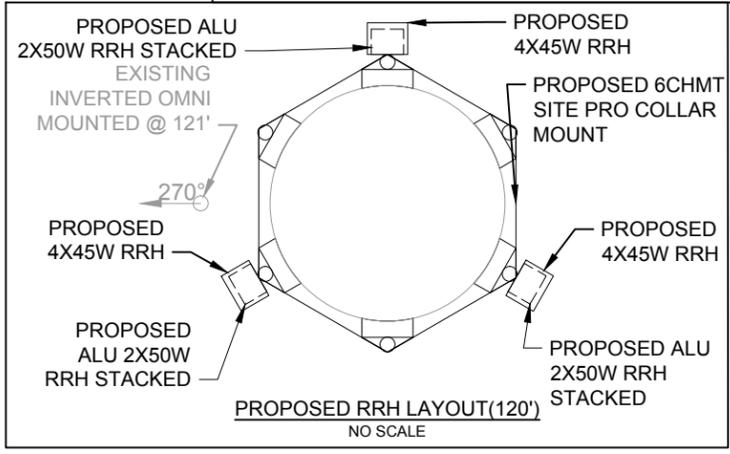
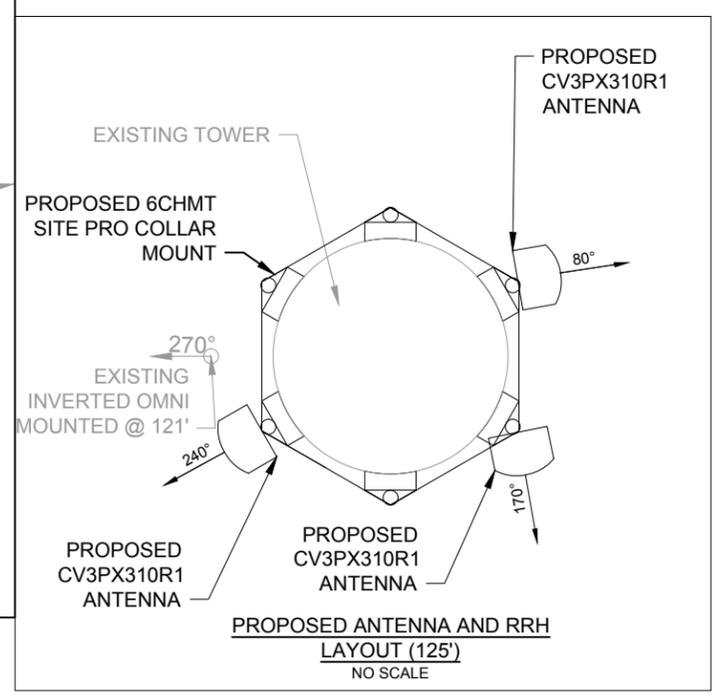
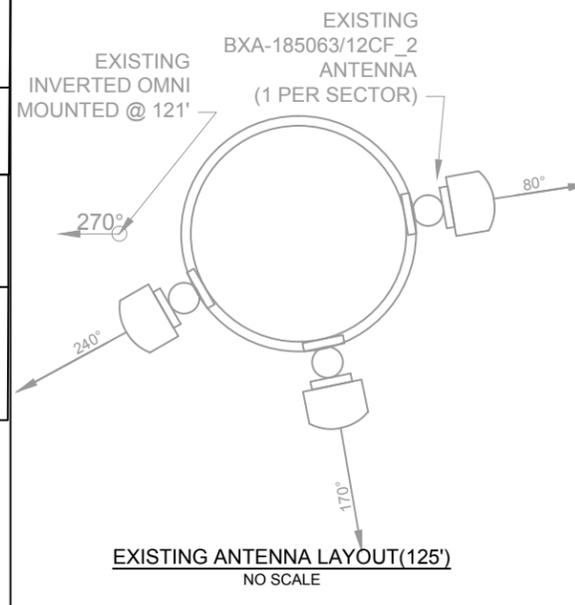
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PROPOSED SITE PLAN SHEET
C-3

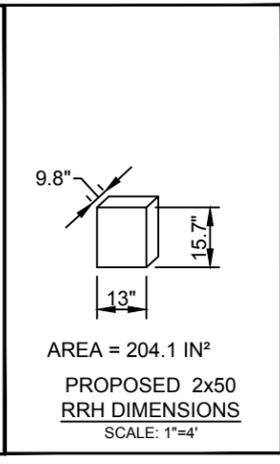
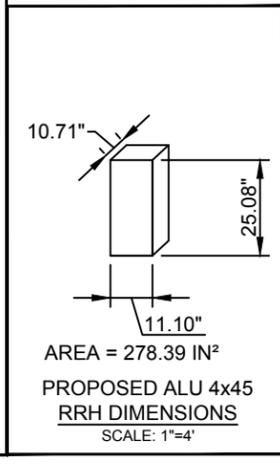
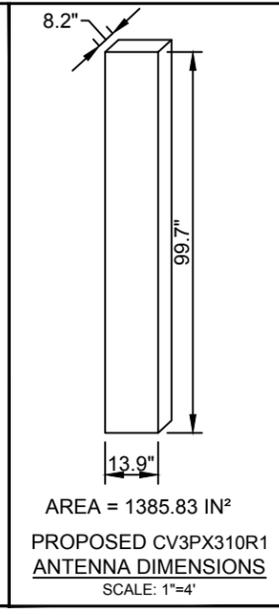
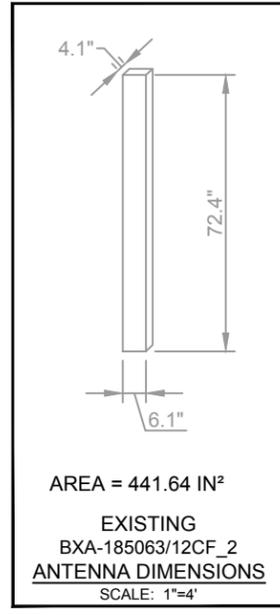
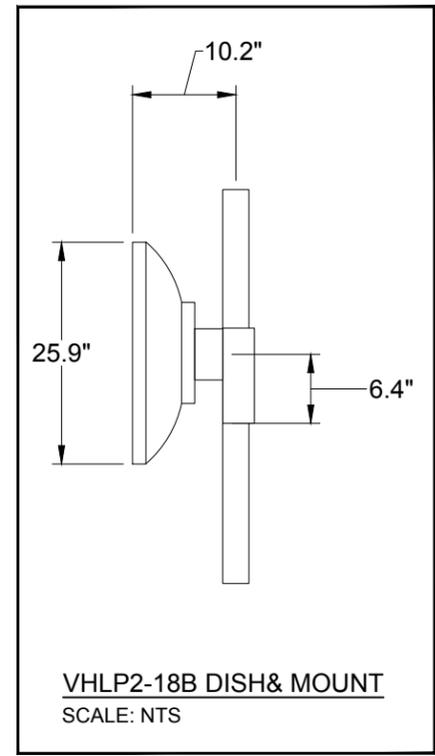


NOTE:
CONTRACTOR TO VERIFY ANTENNA INFORMATION 48 HOURS PRIOR TO INSTALLATION.

- PROPOSED EQUIPMENT (125'):**
- (2) AFOP-NTHYB-RI(10 AWG)
 - (3) CV3PX310R1 (1) PER SECTOR
- PROPOSED EQUIPMENT:**
- (3) 4X45 PCS RRH(120')(1 PER SECTOR)
 - (3) 2X50 RRH(118.5')(1 PER SECTOR)
- PROPOSED EQUIPMENT (115'):**
- (1) HORIZON QUANTUM RADIO
 - (1) VHLP2-18B 2' DISH
 - (1) LCF12-50J (1/2")
- REMOVE EQUIPMENT:**
- (3) BXA-185063/12CF_2(125')
 - (6) 1 5/8" COAX LINES(125')
 - (1) MICROWAVE (119')
 - 1/2" COAX (119')



NOTE: ALL ANTENNAS, RRH'S, DISHES AND COAX TO BE PAINTED WOODEN CABIN #290F-7 BY BEHR



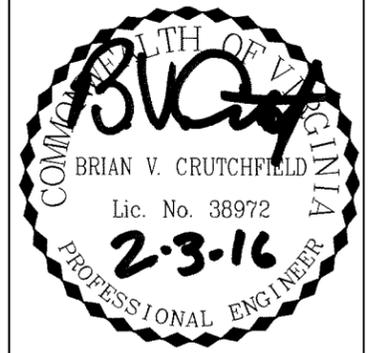
SEE SHEET D-5 FOR 6CHMT DETAIL



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WAYNESBORO, VA 22980

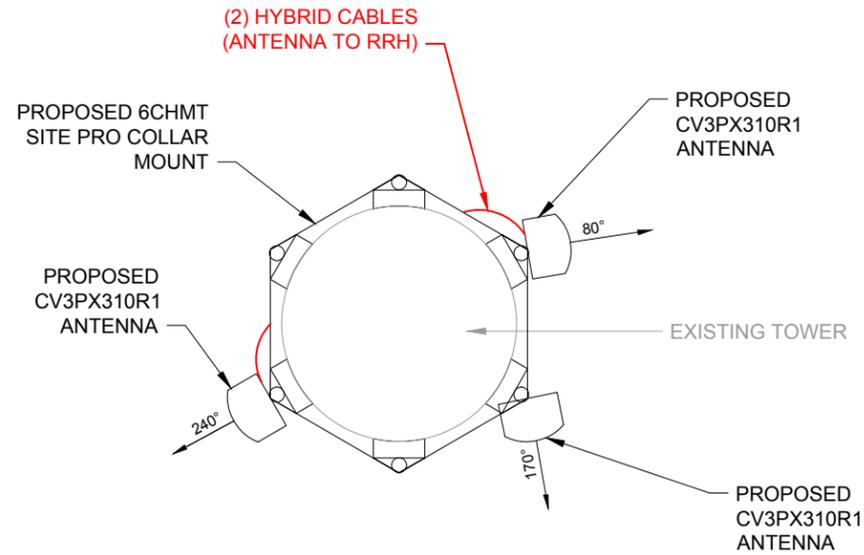
SITE NAME:	LODEBAR
SITE NUMBER:	CV822
SITE ADDRESS:	266 HEARTHSTONE LANE NELLYSFORD VA, 22958
PROPERTY OWNER:	WINTERGREEN PROPERTY OWNERS P.O. BOX 711 WINTERGREEN VA, 22958
COUNTY:	NELSON
LATITUDE:	N37° 54' 38.3"
LONGITUDE:	W78° 53' 02.2"

NO.	REVISION/ISSUE	DATE
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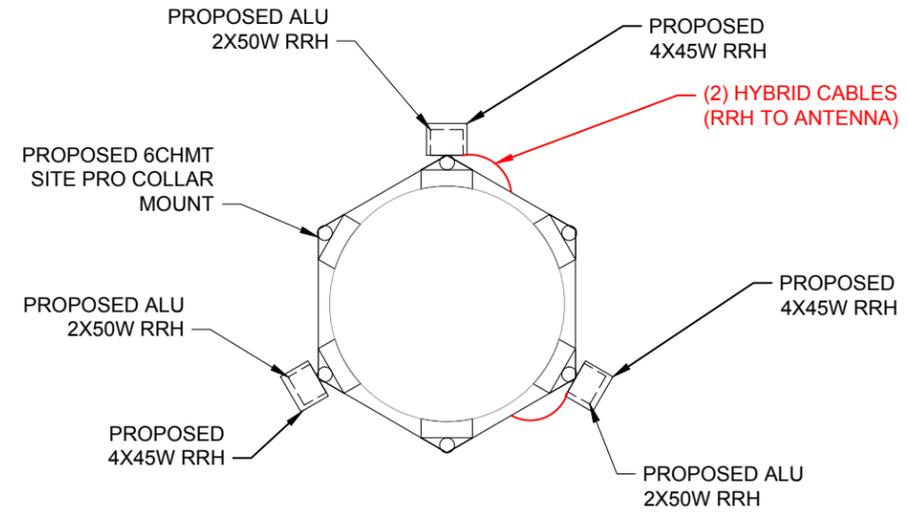


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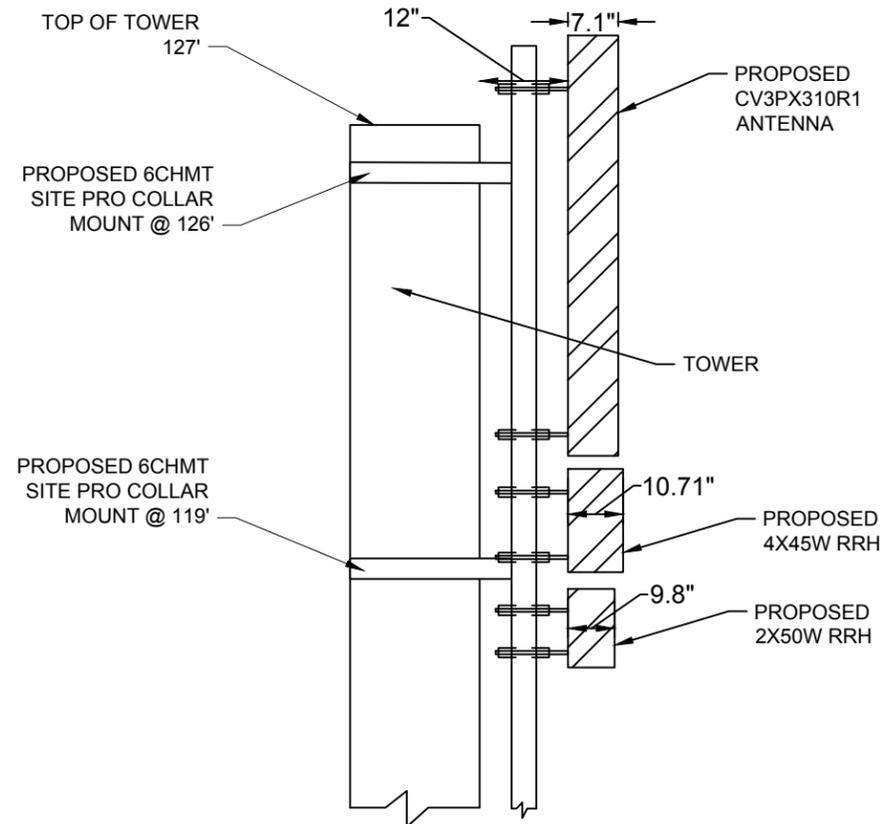
TG PROJECT # 36804	SHEET
ANTENNA AND TOWER DETAILS	C-4



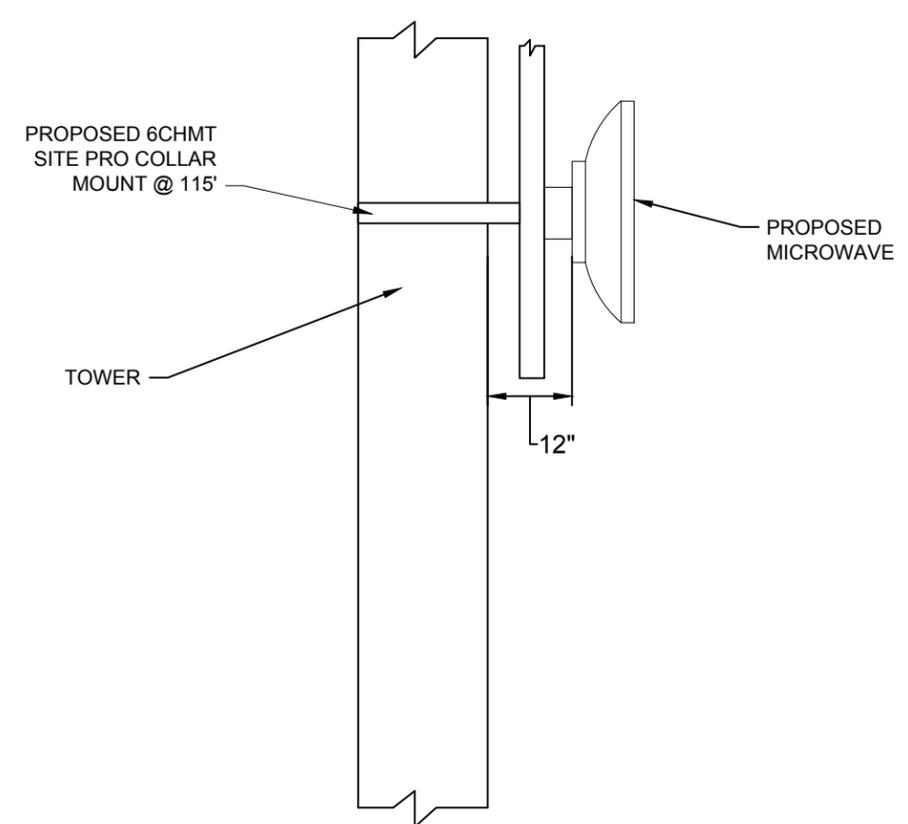
PROPOSED CABLE ROUTING (125')
NO SCALE



PROPOSED RRH ROUTING (120')
NO SCALE



PROPOSED ANTENNA AND RRH STANDOFF
NO SCALE



PROPOSED MICROWAVE STANDOFF
NO SCALE



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

SITE NAME: **LODEBAR**

SITE NUMBER: **CV822**

SITE ADDRESS:
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NELLYSFORD VA, 22958

PROPERTY OWNER:
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P.O. BOX 711
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2	FRA DRAWINGS	1/20/16
3	ZONING DRAWINGS	2/3/16



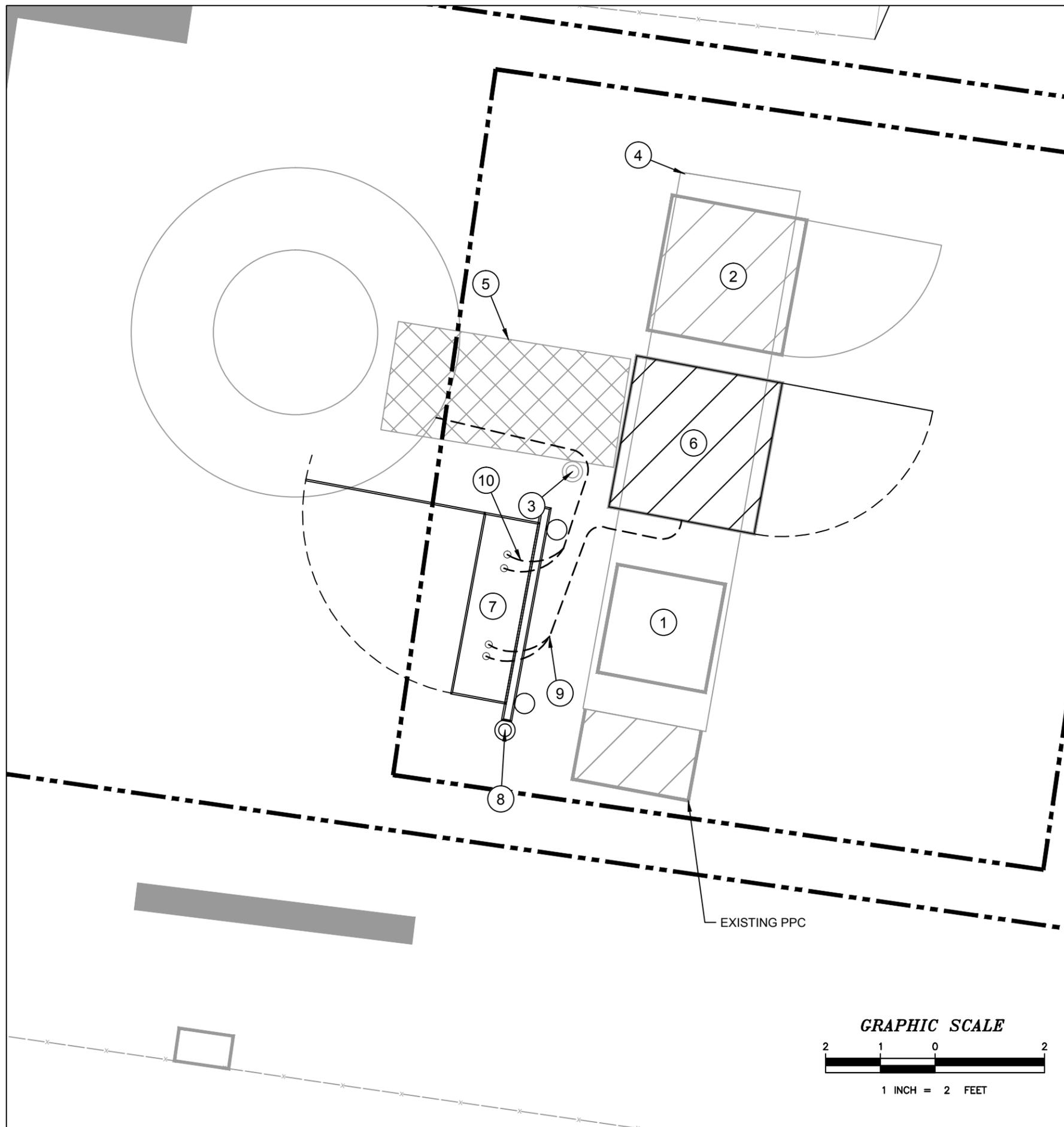
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TG PROJECT # 36804

**ANTENNA CABLE
ROUTING PLAN &
MOUNT DETAILS**

SHEET
C-5

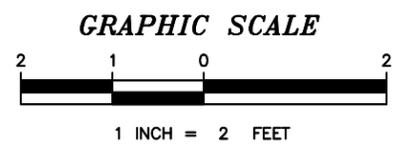


NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD83)



SITE IS LOCATED WITHIN THE NRQZ AND REQUIRES COORDINATION WITH THE NRAO. ALTHOUGH NOT EXPECTED, CHANGES TO THE SITE'S CONFIGURATION MAY BE REQUIRED. EXISTING BASE STATION WILL BE REMOVED AND THE SITE WILL RECEIVE A 9927 AND BATTERY CABINET. AISG PORT 1 SHOULD BE USED FOR RET CONTROL FROM 4X40 OR 4X45. IN DC POWER CABLES, USE CONDUCTOR WITH BLACK INSULATION FOR "RETURN". IN A -48VDC SYSTEM, USE CONDUCTOR WITH RED INSULATION FOR -48VDC. FOR 8-PORT MULTI-BAND ANTENNAS, CONNECT 800 MHZ 2X50 RRRH PORT 1 TO ANTENNA PORT 1, 2X50 PORT 2 TO ANTENNA PORT 2, PCS 4X45 PORT 1 TO ANTENNA PORT 3, 4X45 PORT 2 TO ANTENNA PORT 4, 4X45 PORT 3 TO ANTENNA PORT 5, 4X45 PORT 4 TO ANTENNA PORT 6. CONNECT 50 OHM MECA 401-12AWWP 7/16 DIN FEMALE TO ANTENNA PORT 7, 50 OHM MECA 401-12AWWP 7/16 DIN FEMALE TO ANTENNA PORT 8.

- ① (E) WPOA CABINET
- ② (E) NTELOS BATTERY CABINET
- ③ (E) NTELOS GPS ANTENNA
- ④ (E) NTELOS STEEL RAIL
- ⑤ (E) ICE BRIDGE
- ⑥ (N) NTELOS 9927 EQUIPMENT CABINET
- ⑦ (N) NTELOS DISTRIBUTION BOX
- ⑧ (N) NTELOS GPS ANTENNA
- ⑨ (N) NTELOS (2) 1-1/2" FLEXLIGHT CONDUITS
- ⑩ (N) NTELOS (2) 10 AWG HYBRID CABLES



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

SITE NAME: **LODEBAR**

SITE NUMBER: **CV822**

SITE ADDRESS:
266 HEARTHSTONE LANE
NELLYSFORD VA, 22958

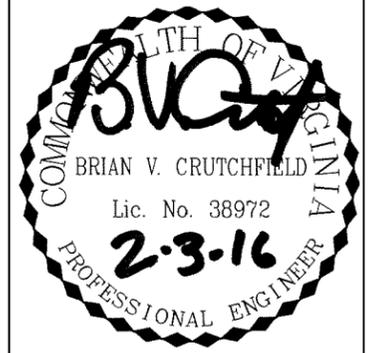
PROPERTY OWNER:
WINTERGREEN PROPERTY OWNERS
P.O. BOX 711
WINTERGREEN VA, 22958

COUNTY: **NELSON**

LATITUDE: **N37° 54' 38.3"**

LONGITUDE: **W78° 53' 02.2"**

NO.	REVISION/ISSUE	DATE
1	ZONING DRAWINGS	6/17/15
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3	ZONING DRAWINGS	2/3/16



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EQUIPMENT PLATFORM PLAN SHEET
C-6



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WAYNESBORO, VA 22980

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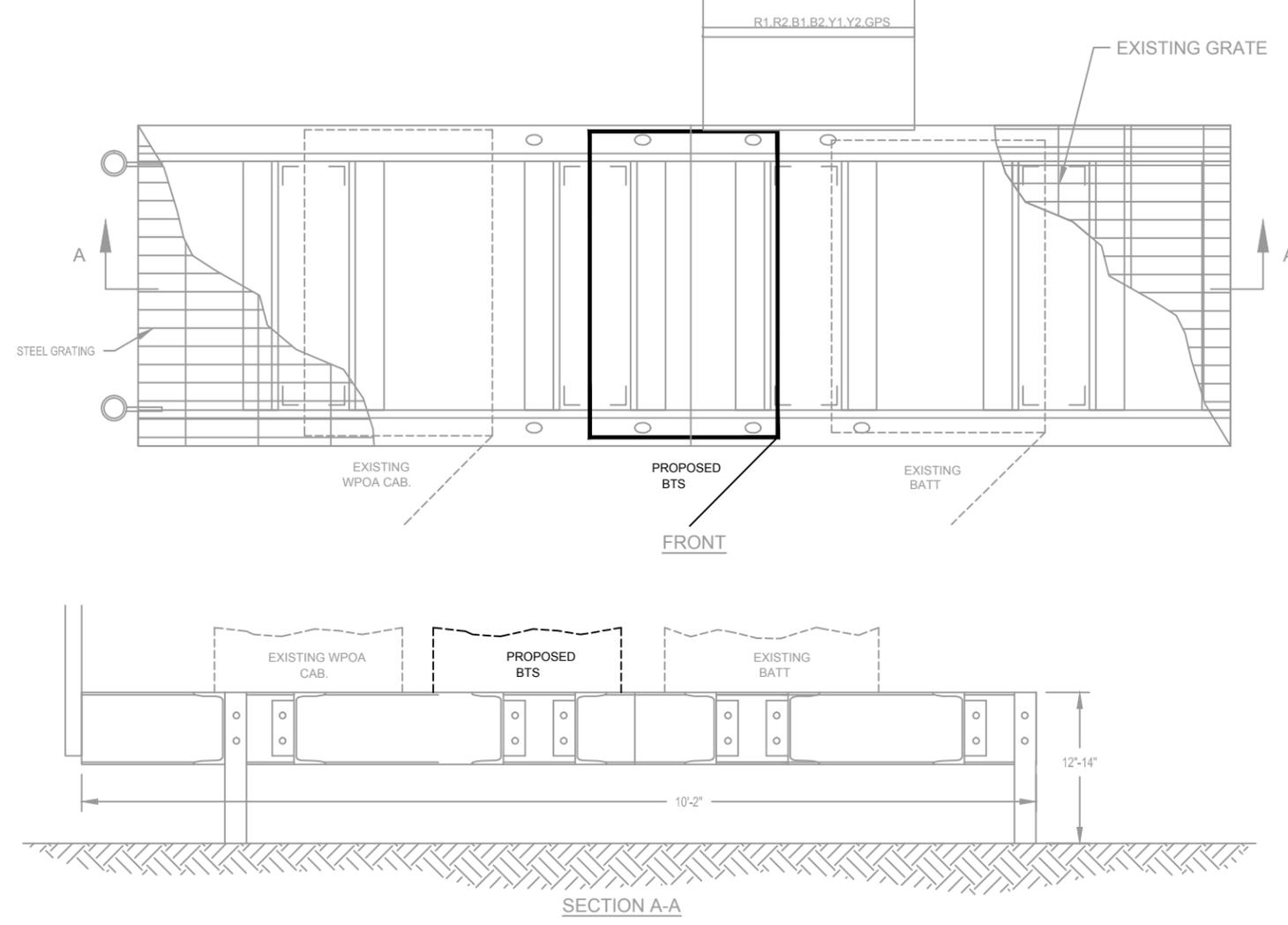
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EQUIPMENT RACK DETAILS	SHEET
	D-1



R1.R2.B1.B2.Y1.Y2.GPS

EXISTING GRATE

A

A

STEEL GRATING

EXISTING WPOA CAB.

PROPOSED BTS

EXISTING BATT

FRONT

EXISTING WPOA CAB.

PROPOSED BTS

EXISTING BATT

12'-14"

10'-2"

SECTION A-A



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

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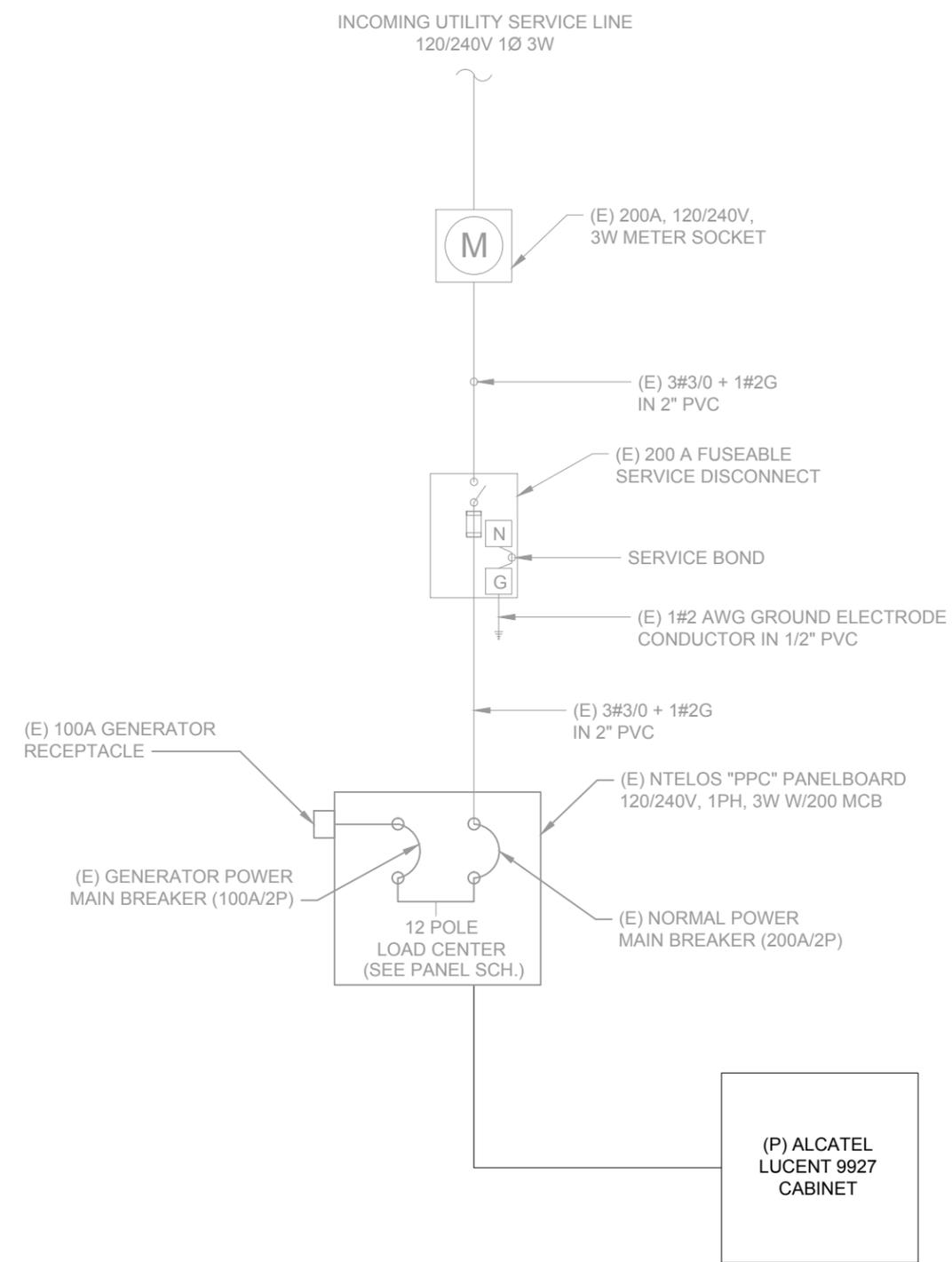


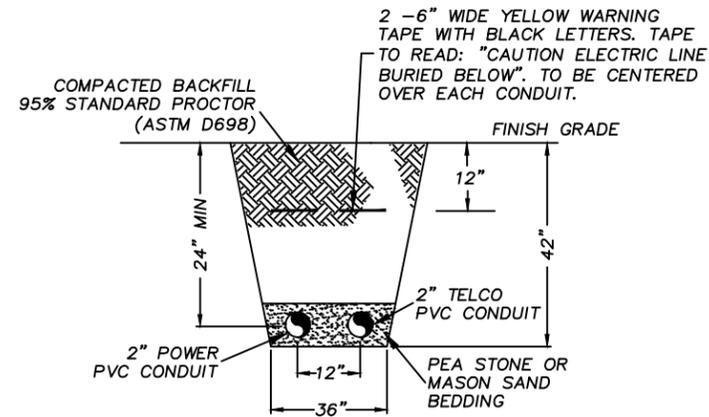
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TG PROJECT # 36804

POWER & TELEPHONE SINGLE LINE DIAGRAM	SHEET
	D-2

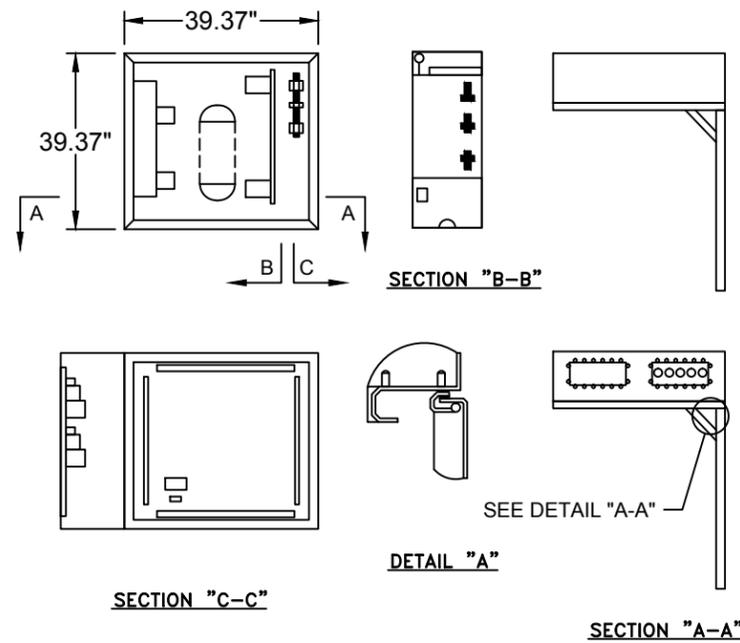




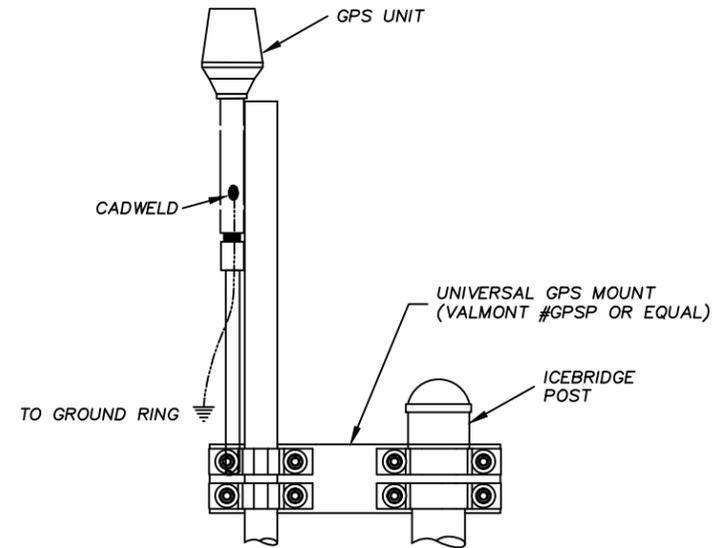
TRENCHING DETAIL FOR CONDUIT ROUTING
NOT TO SCALE

NOTE:

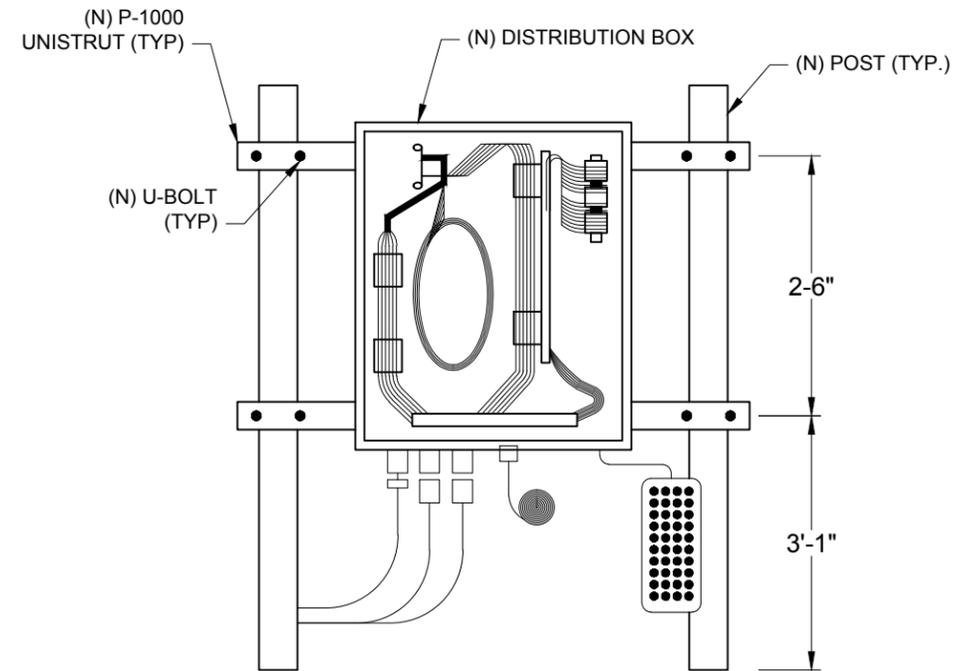
1. CONDUITS ARE TO BE STUBBED UP TO NEAREST UTILITY POLE WITHIN 2" OF THE POLE, UNLESS OTHERWISE NOTED.
2. ALL DISTURBED AREAS NOT COVERED BY STONE ARE TO BE SEEDED AND MULCHED.
3. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF UNSUITABLE MATERIAL WHICH WILL NOT COMPACT PROPERLY.



DISTRIBUTION BOX PLAN VIEW
NO SCALE



GPS UNIT DETAIL
NO SCALE



DISTRIBUTION BOX ELEVATION VIEW
NO SCALE



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WAYNESBORO, VA 22980

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NELLYSFORD VA, 22958

PROPERTY OWNER:
WINTERGREEN PROPERTY OWNERS
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MISCELLANEOUS DETAILS	SHEET D-3
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1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

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NELLYSFORD VA, 22958

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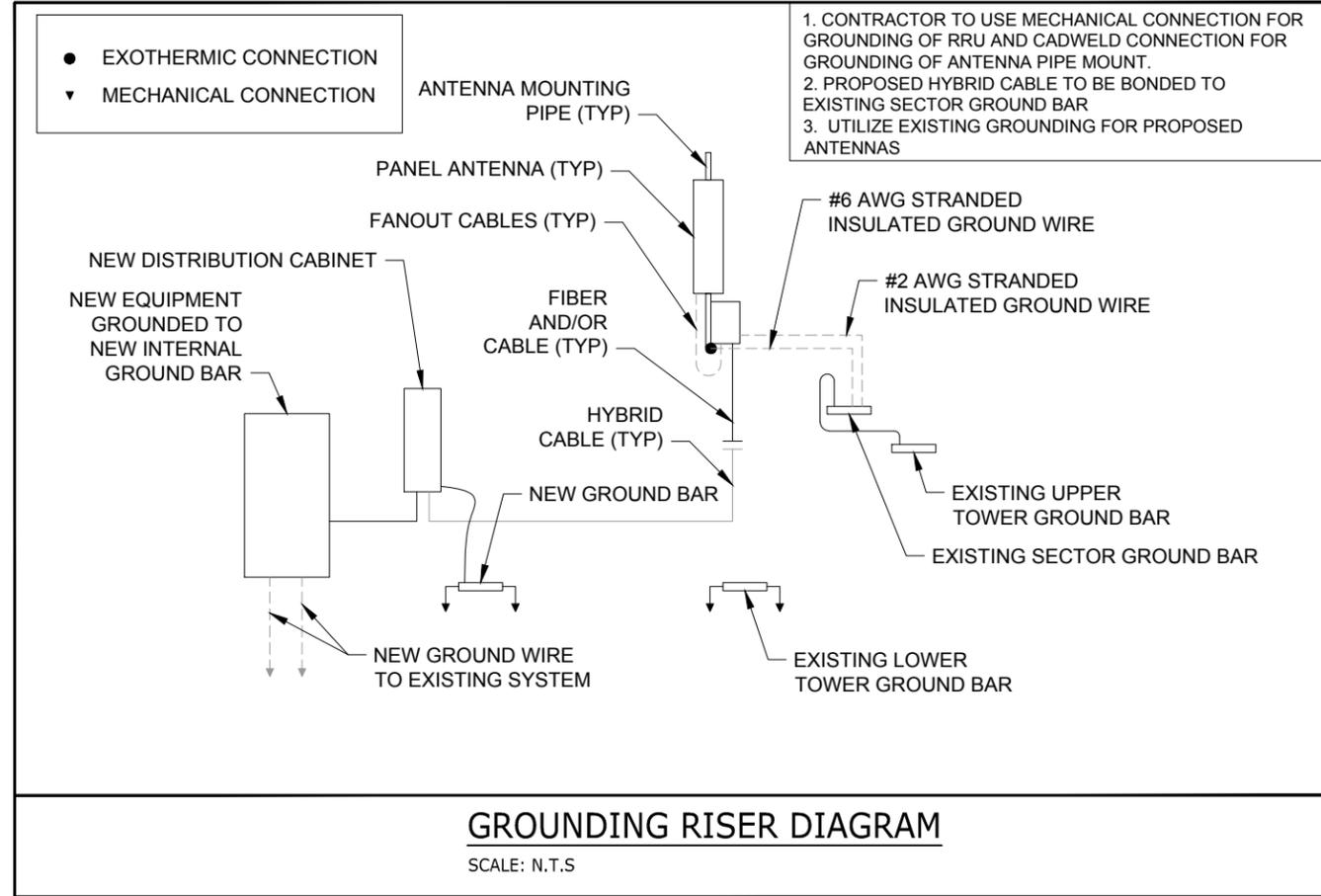


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MISCELLANEOUS DETAILS	SHEET D-4
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1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

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SITE NUMBER: CV822

SITE ADDRESS:
266 HEARTHSTONE LANE
NELLYSFORD VA, 22958

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WINTERGREEN PROPERTY OWNERS
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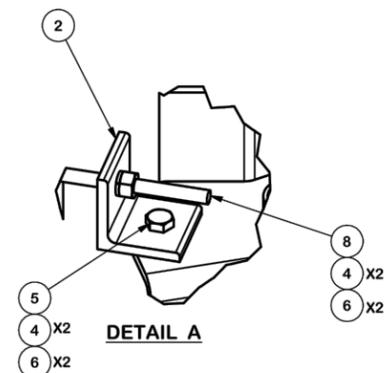
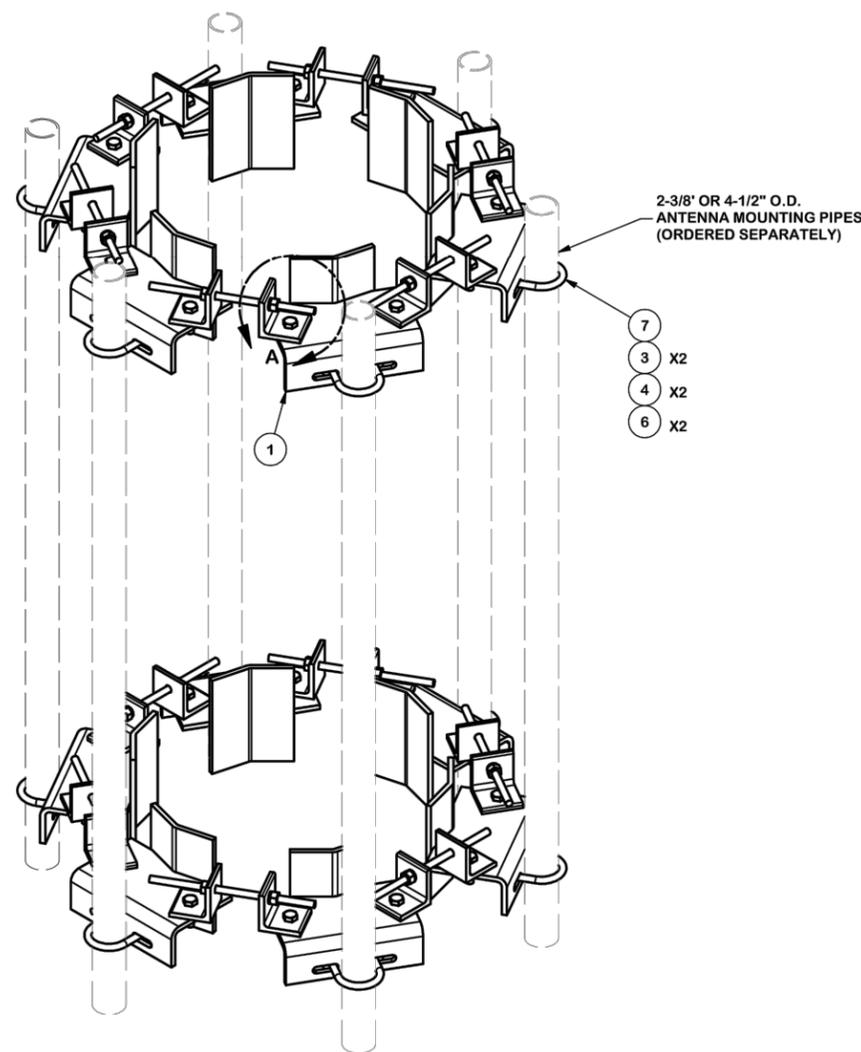
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6 SECTOR MOUNT DETAIL SHEET D-5

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	12	SHCM-W	CHAIN MOUNT WELDMENT		14.59	175.09
2	24	SHCM-T	CHAIN MOUNT TIGHTENER BRACKET	3 in	1.84	44.18
3	24	G12FW	1/2" HDG USS FLATWASHER		0.03	0.82
4	72	G12LW	1/2" HDG LOCKWASHER		0.01	1.00
5	24	G1202	1/2" x 2" HDG HEX BOLT GR5	2 in	0.18	4.22
6	72	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	5.15
7	12	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.73	8.78
7	12	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.73	8.78
8	12	G12R-12	1/2" x 12" THREADED ROD (HDG.)		0.55	6.59
8	12	G12R-24	1/2" x 24" THREADED ROD (HDG.)		1.34	16.06
TOTAL WT. #					270.41	



TOLERANCE NOTES
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
BENDS ARE $\pm 1/2$ DEGREE
ALL OTHER MACHINING ($\pm 0.030"$)
ALL OTHER ASSEMBLY ($\pm 0.060"$)

DESCRIPTION		6 SIDED MONOPOLE MOUNT FOR ROUND OR POLYGON POLES 17-1/2" TO 56" DIA.	
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CEK 4/14/2014		6CHMT
CLASS	SUB	DRAWING USAGE	CHECKED BY
81	01	CUSTOMER	BMC 4/16/2014

SITE PRO 1
A valmont COMPANY

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

Engineering Support Team:
1-888-753-7446

DWG. NO. 6CHMT

1 OF 1
PAGE

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

1. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENT AGENCIES.

2. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND AT HIS EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.

3. CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER 24 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

4. LOCATION OF EXISTING SEWER, WATER OR GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATELY CORRECT. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES (INCLUDING TEST PITS BY HAND IF NECESSARY) IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON PLANS. IF THERE APPEARS TO BE A CONFLICT, OR UPON THE DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLANS. FOR ASSISTANCE CALL "MISS UTILITY".

5. EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO LIKE-NEW CONDITION. AT THE CONTRACTOR'S EXPENSE.

6. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER, THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.

7. THE CONTRACTOR SHALL COORDINATE WITH NTELOS THE REQUIREMENTS FOR AND LIMITS OF OVERHEAD AND/OR UNDERGROUND ELECTRICAL SERVICE.

8. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) FULL YEAR FROM THE DATE OF ACCEPTANCE.

9. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY COUNTY INSPECTORS. CONTRACTOR SHALL BE ON SITE FOR ALL INSPECTIONS.

10. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE IN WHICH IT IS TO BE PERFORMED. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.

11. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.

12. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.

13. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIAL ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNERS ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.

14. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD WORKING QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.

16. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL BUILDING CODE.

17. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.

18. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.

19. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.

20. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.

21. THE ELECTRICAL AND RF STANDARDS AND SPECIFICATIONS SHOWN ON THESE PLANS HAVE BEEN PROVIDED BY THE CLIENT. RPM ENGINEERS HAS NOT PREPARED AN ANALYSIS OF THE STANDARDS AND SPECIFICATIONS. THEY HAVE BEEN PROVIDED FOR CONVENIENCE.

22. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF PROJECT.

23. COORDINATE THE CONSTRUCTION STAGING AREA WITH THE TOWER OWNER AND THE PROPERTY MANAGER WELL IN ADVANCE OF THE CONSTRUCTION START DATE.

24. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING CONDITIONS AND PLAN DIMENSIONS, AND NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

25. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE WORK SITE ON A DAILY BASIS.



1150 SHENANDOAH VILLAGE DR.
WAYNESBORO, VA 22980

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TG PROJECT # 36804

GENERAL NOTES SHEET D-6

Existing View



LODEBAR GRAIN CV822

266 Heatherstone Lane
Nellysford, VA 22938

**EQUIPMENT CHANGE OUT
SIMULATION**

View from south of site



Existing View



LODEBAR GRAIN CV822

266 Heatherstone Lane
Nellysford, VA 22938

**EQUIPMENT CHANGE OUT
SIMULATION**

View from southwest of site

