



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.

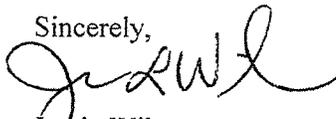
**CV822 Lodebar – 266 Hearthstone Lane, Nellysford (WPOA – Open Space)**

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](mailto: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 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 120' tower. Install antennas above tower by 10' (130' total) 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) 241-5060 E-mail Address: wilmerj@ntelos.com  
Relationship (if applicable): Tenant on existing tower

Applicant  Property Owner Name: Frieda Kier, Jacquelin Kier + Mary White  
Mailing Address: 301 Yount Ave, Staunton, Va 24401  
Telephone # (540) 880-4902 E-mail Address: \_\_\_\_\_  
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.):  
5029 Rockfish Valley Highway, Nellysford
- b. Official tax map number: 22-4-6001
- c. Acreage of property: \_\_\_\_\_
- d. Present use: Telecommunications tower facility
- e. Present zoning classification: A1
- f. Zoning classification of surrounding properties: A-1

**4. Names of Adjacent Property Owners:** Frida Kier, Jacqueline Kier, Russell + Kelly Kennedy, Russell Kennedy III

**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: J Wilmer 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: \_\_\_\_\_



# GREENFIELD

CV821

5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

EQUIPMENT CHANGE OUT ON  
TOWER



1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

SITE NAME: GREENFIELD

SITE NUMBER: CV821

SITE ADDRESS:  
5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

PROPERTY OWNER:  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

COUNTY: NELSON COUNTY

LATITUDE: N37° 54' 50.4"

LONGITUDE: W78° 50' 40.3"

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	4/16/15
2	FRA DRAWINGS	11/24/15
3	FCD DRAWINGS	1/25/16



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919 2nd Street, S.E.  
Charlottesville, VA 22902  
TEL 434.327.1683  
FAX 434.295.8317  
www.timmons.com

Site Development | Residential | Infrastructure | Technology  
36603

TG PROJECT # 36603

TITLE SHEET SHEET T-1

**SITE NAME**  
GREENFIELD

**SITE NUMBER**  
CV821

**SITE ADDRESS**  
5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

**TOWER OWNER**  
PEGASUS-SUNSAR TOWERS LLC.  
P.O. BOX 233  
RICHLANDS, VA 24641

**PROPERTY OWNER**  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

**SITE DATA**  
NAD 83 LATITUDE - N 37° 54' 50.4"  
NAD 83 LONGITUDE - W 78° 50' 40.3"

**JURISDICTION**  
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

SHEET	TITLE
T-1	TITLE SHEET
C-1	OVERALL SITE PLAN
C-2	EXISTING CONDITIONS
C-3	PROPOSED SITE PLAN
C-4	ANTENNA AND TOWER DETAILS
C-5	ANTENNA CONDUIT ROUTING PLAN
C-6	EQUIPMENT PLATFORM PLAN
D-1	EQUIPMENT RACK DETAILS
D-2	POWER & TELEPHONE SINGLE LINE DIAGRAM
D-3	MISCELLANEOUS DETAILS
D-4	GROUNDING DETAILS
D-5	GROUNDING DETAILS
D-6	6-SECTOR MOUNT DETAIL
D-7	GENERAL NOTES

SHEET INDEX

**POLICE/FIRE/RESCUE**  
911

**ELECTRIC POWER**  
CENTRAL VIRGINIA ELECTRIC COOPERATIVE  
CONTACT: CUSTOMER SERVICE  
PHONE#: 800-367-2832

**TELEPHONE**  
VERIZON  
CONTACT: CUSTOMER SERVICE  
PHONE#: 800-837-4966

EMERGENCY AND UTILITY CONTACTS

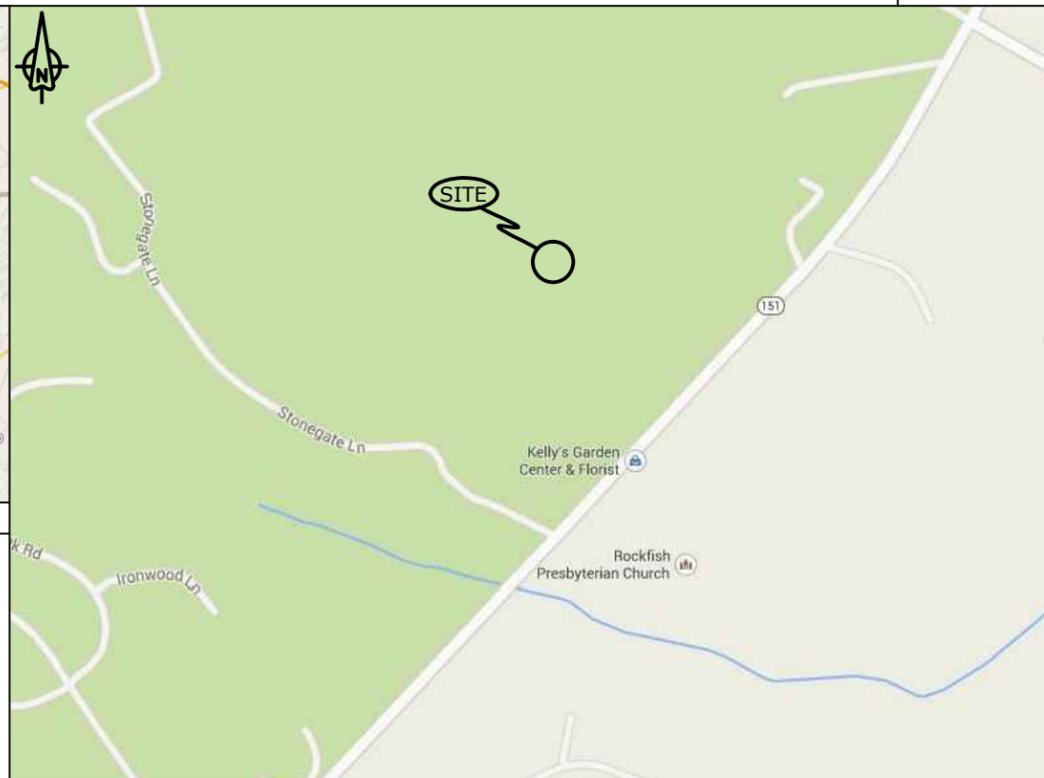
**ALU GLOBAL NOC**  
(800) 566-9568 - PHONE

CURRENT DIVISION (PLANNER) DATE

SIGNATURE PANEL



AREA MAP



VICINITY MAP

**SITE DIRECTIONS**

FROM WAYNESBORO, VA: TAKE I-64 EAST TOWARDS AFTON. TAKE EXIT 99 FOR US-250 TOWARDS AFTON/WAYNESBORO. TURN RIGHT ONTO US-250. CONTINUE FOR APPROX. 1.5 MILES TO A RIGHT TURN ONTO SR-6/SR-151/AFTON MOUNTAIN ROAD. CONTINUE FOR APPROX. 3.7 MILES TO A RIGHT TURN ONTO SR-6/SR-151/PATRICK HENRY HIGHWAY. CONTINUE FOR APPROX. 6.0 MILES. SITE ENTRANCE IS ON THE RIGHT DIRECTLY ACROSS FROM THE ROCKFISH PRESBYTERIAN CHURCH ENTRANCE OFF ROUTE 151. ENTER THROUGH GATE AND FOLLOW ACCESS TO THE RIGHT TO THE SITE.

REPLACEMENT OF NEW ANTENNA AND CABINETS ON EXISTING TOWER SITE

PROJECT DESCRIPTION

DIRECTIONS TO SITE

PROJECT INFORMATION

SIGNATURE PANEL

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



N/F  
FIEDA D. KIER, JACQUELINE KIER,  
& MARY BARBARA WHITE  
DB: 422, PG: 245  
T.M. #22-A-60  
ZONED A1

N/F  
SUSAN C.  
HARDY  
INSTRUMENT  
#050006078  
T.M. #22-13-1  
ZONED A1

**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.
-e-t-e-t-e-t-	OVERHEAD POWER/TELEPHONE
○	5/8" REBAR W/CAP SET
□	FOUND MONUMENTATION
○	CALCULATED POINT
●	EXISTING UTILITY POLE
●	PROPOSED UTILITY POLE



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TG PROJECT # 36603

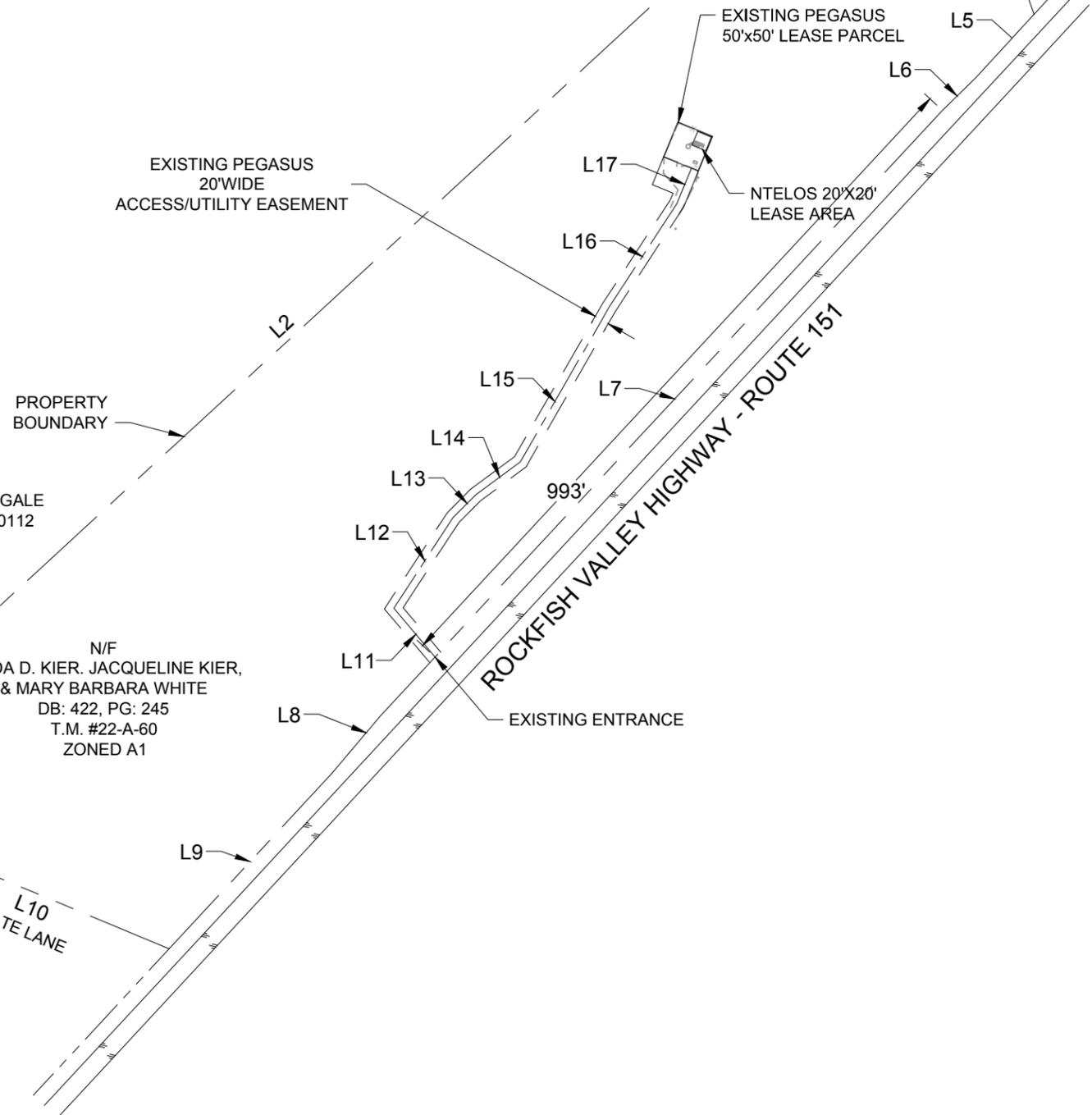
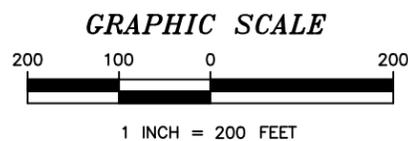
OVERALL SITE PLAN SHEET  
C-1

**LINE TABLE**

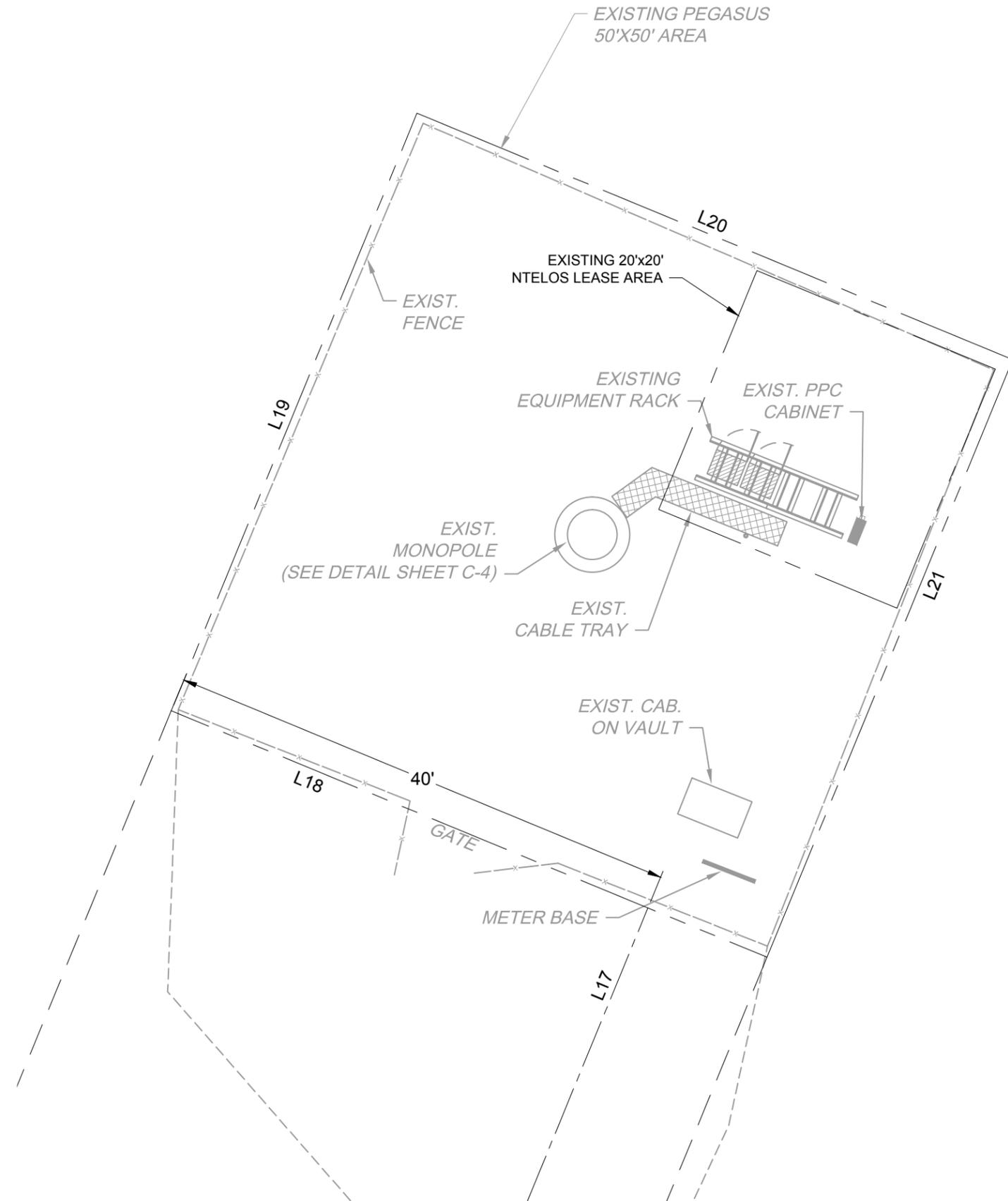
LINE	LENGTH	BEARING
L1	175.12	N27°03'16"W
L2	1962.51	N47°26'31"E
L3	223.88	S14°35'53"E
L4	168.86	S19°25'25"E
L5	114.07	S42°39'18"W
L6	62.89	S45°34'01"W
L7	1100.01	S42°56'15"W
L8	100.12	S40°20'08"W
L9	318.34	S42°54'28"W
L10	352.46	N67°25'06"W

**LINE TABLE**

LINE	LENGTH	BEARING
L11	85.14	N40°15'54"W
L12	144.46	N33°16'32"E
L13	42.22	N44°58'10"E
L14	74.27	N53°28'01"E
L15	236.66	N29°56'38"E
L16	165.13	N33°14'29"E
L17	50.87	N22°24'39"E



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
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-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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SITE NUMBER: CV821

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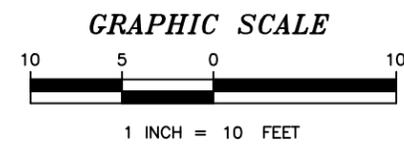
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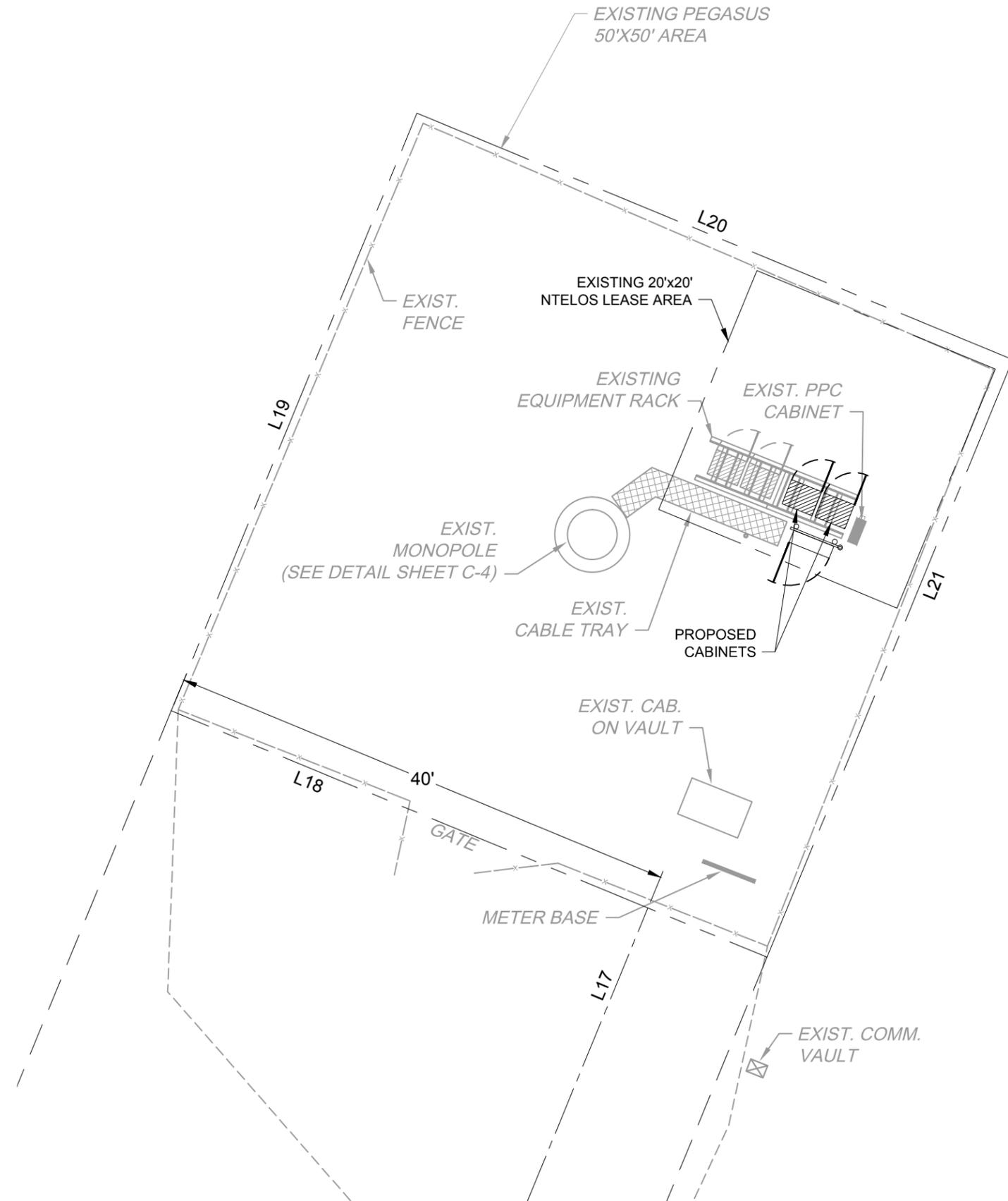
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36603

TG PROJECT # 36603

EXISTING CONDITIONS PLAN	SHEET C-2
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NORTH MERIDIAN REFERENCED TO VA  
STATE PLANE COORDINATE SYSTEM  
SOUTH ZONE (NAD83)



**LEGEND**

---	PROPERTY LINE
- - - -	TRACT LINE
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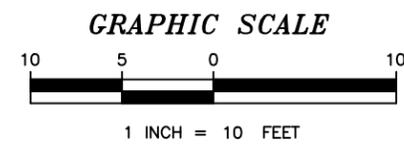
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TG PROJECT # 36603

PROPOSED SITE PLAN SHEET  
C-3



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

TOP OF LIGHTNING ROD  
EXTEND TO 130.0' AGL

PROPOSED 4X40W RRH'S  
C/L @118'

NTELOS LEASE AREA  
113'-130'

PROPOSED 2X50W RRH'S  
C/L @114'

PROPOSED NTELOS ANTENNAS  
TOP @ 129.15' AGL

PROPOSED NTELOS ANTENNAS  
C/L @ 125' AGL

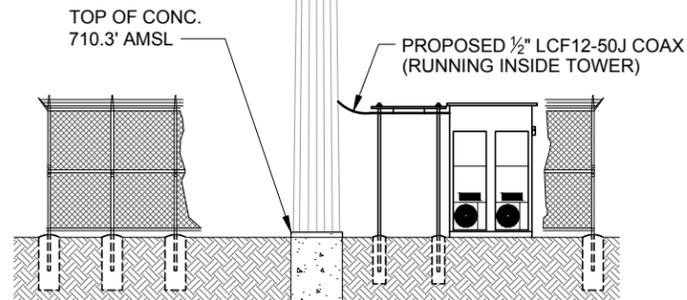
PROPOSED 8x20 RRH  
C/L @ 119' AGL

PROPOSED VHLP2-18B DISH  
C/L @114'

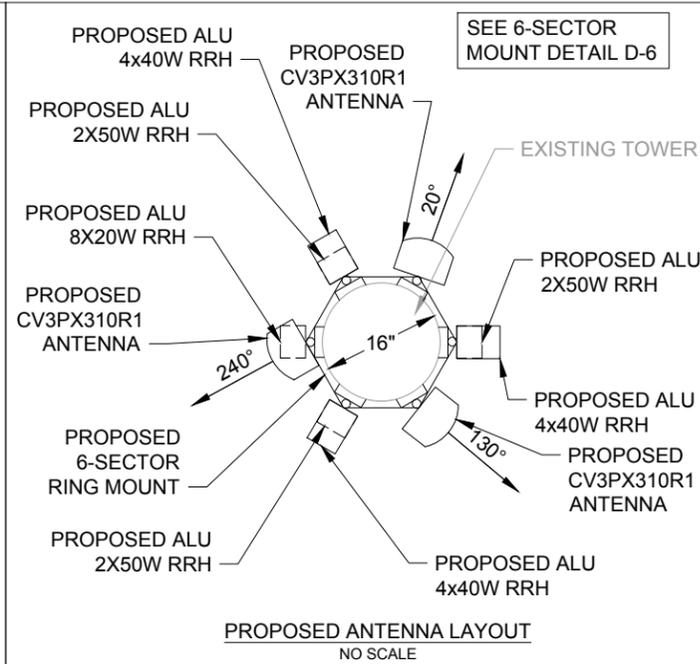
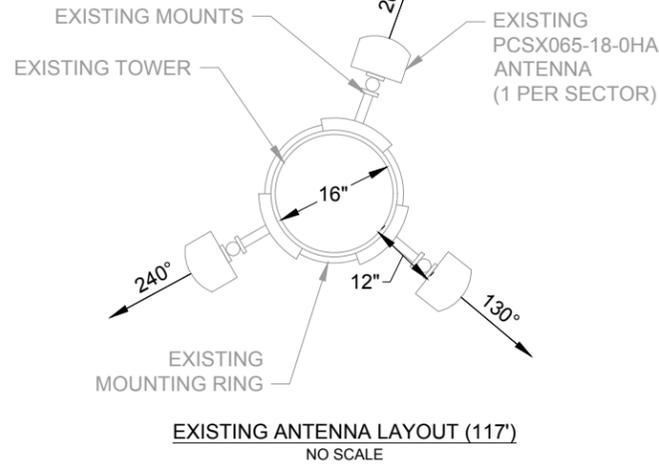
EXIST. DISH (REMOVED BY NTELOS)  
@ 111.0' AGL

EXISTING 120.0'  
MONOPOLE  
DIA. TOP: 16"  
DIA. BOT: 33"

NOTE: ALL ANTENNAS, COAX  
CABLES, MICROWAVE DISH AND  
EQUIPMENT TO BE PAINTED  
WOODEN CABIN #290F-7 BY  
BEHR.

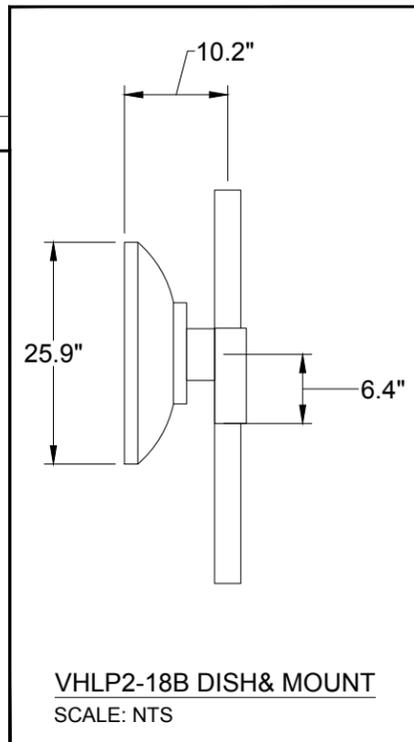
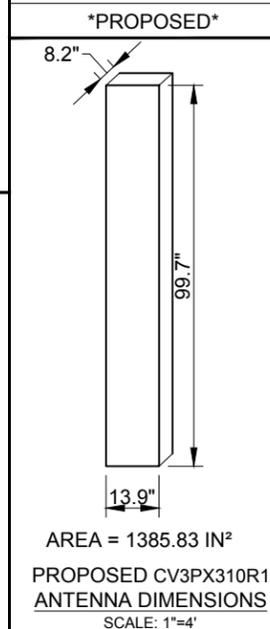
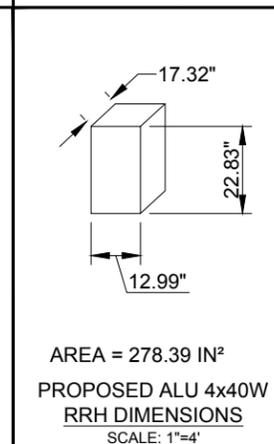
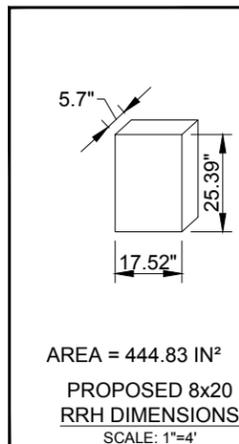
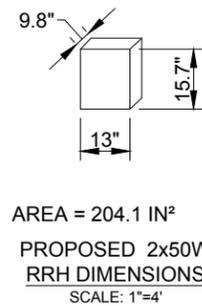
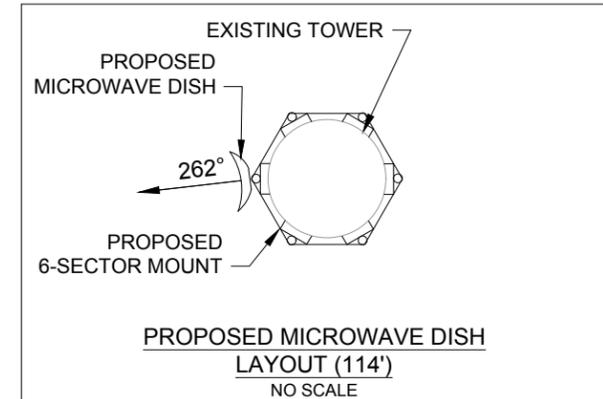


**TOWER ELEVATION**  
SCALE: NTS



- PROPOSED EQUIPMENT:**
- (3) CV3PX310R1 ANTENNAS. (1) PER SECTOR (125')
  - (3) ALU 4X40W RRH (118')
  - (3) ALU 2X50W RRHS (114')
  - (1) ALU 8X20W RRH (119')
  - (1) HORIZON QUANTUM-ODU
  - (1) VHLP2-18B DISH (114')
  - (1) 1/2" LCF12-50J COAX CABLE
  - (2) HYBRID CABLES
  - (2) SIX SECTOR MOUNT(116' AND 120')

- REMOVE EQUIPMENT:**
- (1) EXISTING BRS MW DISH (111')
  - (3) PCSX065-18-0HA ANTENNAS (117')
  - (6) 1 5/8" COAX CABLES
  - (1) 5/16" MICROWAVE CABLE



1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

SITE NAME: GREENFIELD

SITE NUMBER: CV821

SITE ADDRESS:  
5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

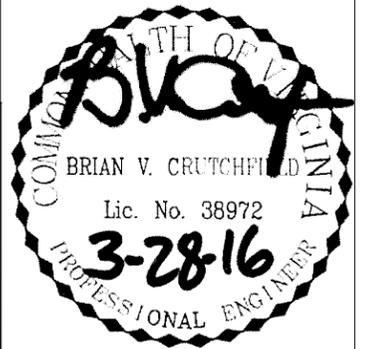
PROPERTY OWNER:  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

COUNTY: NELSON COUNTY

LATITUDE: N37° 54' 50.4"

LONGITUDE: W78° 50' 40.3"

NO.	REVISION/ISSUE	DATE
1	ZONING DRAWINGS	4/16/15
2	FRA DRAWINGS	11/24/15
3	FCD DRAWINGS	1/25/16
4	LIGHTNING ROD	3/28/16



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ANTENNA AND  
TOWER DETAILS

SHEET  
C-4



1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

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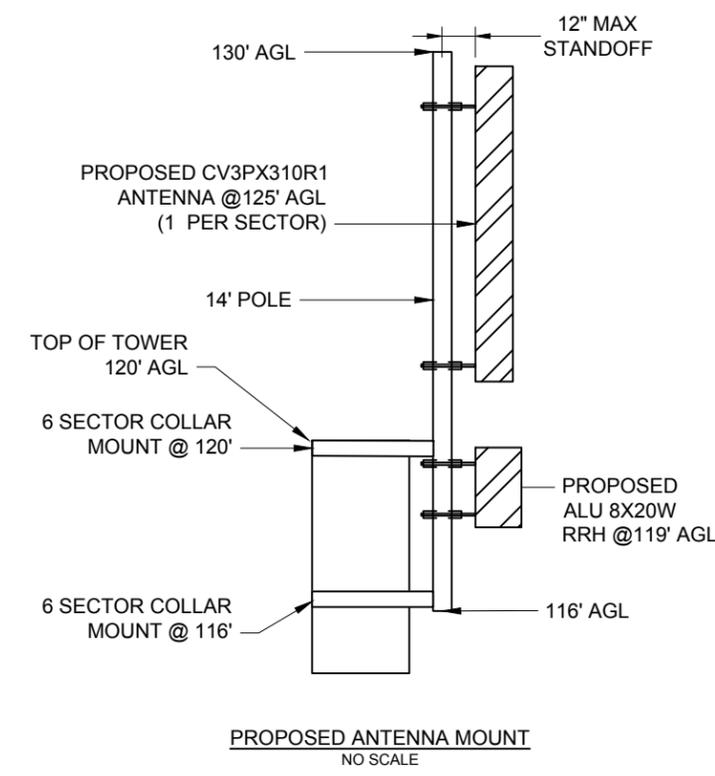
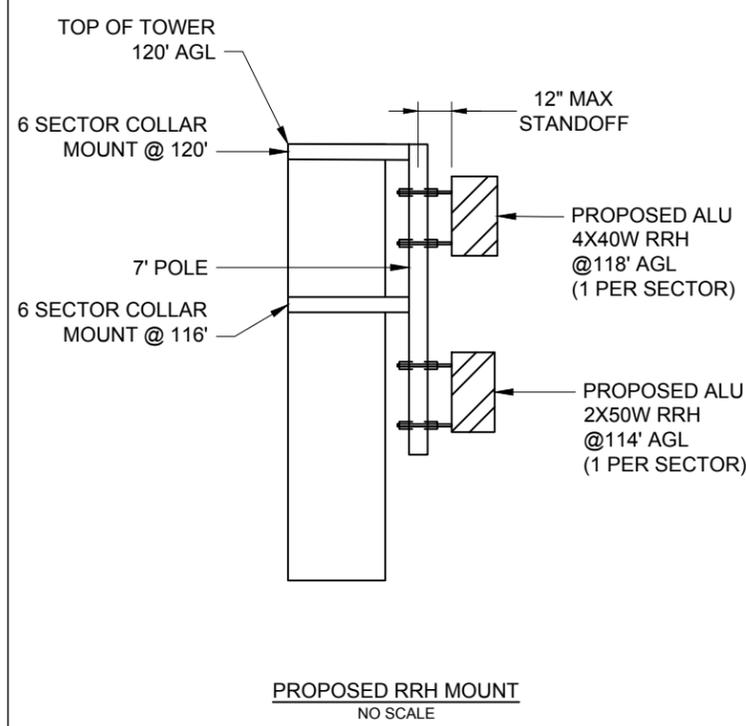
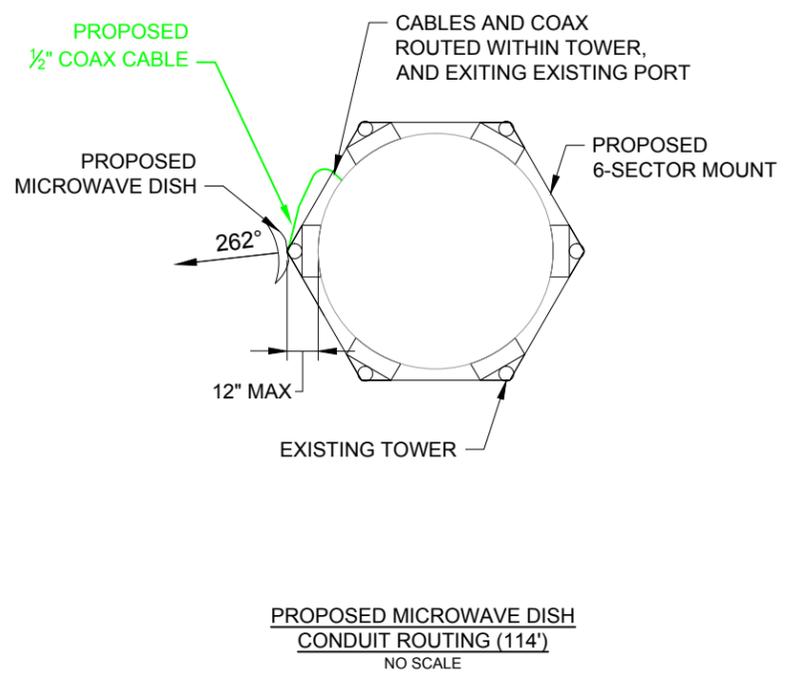
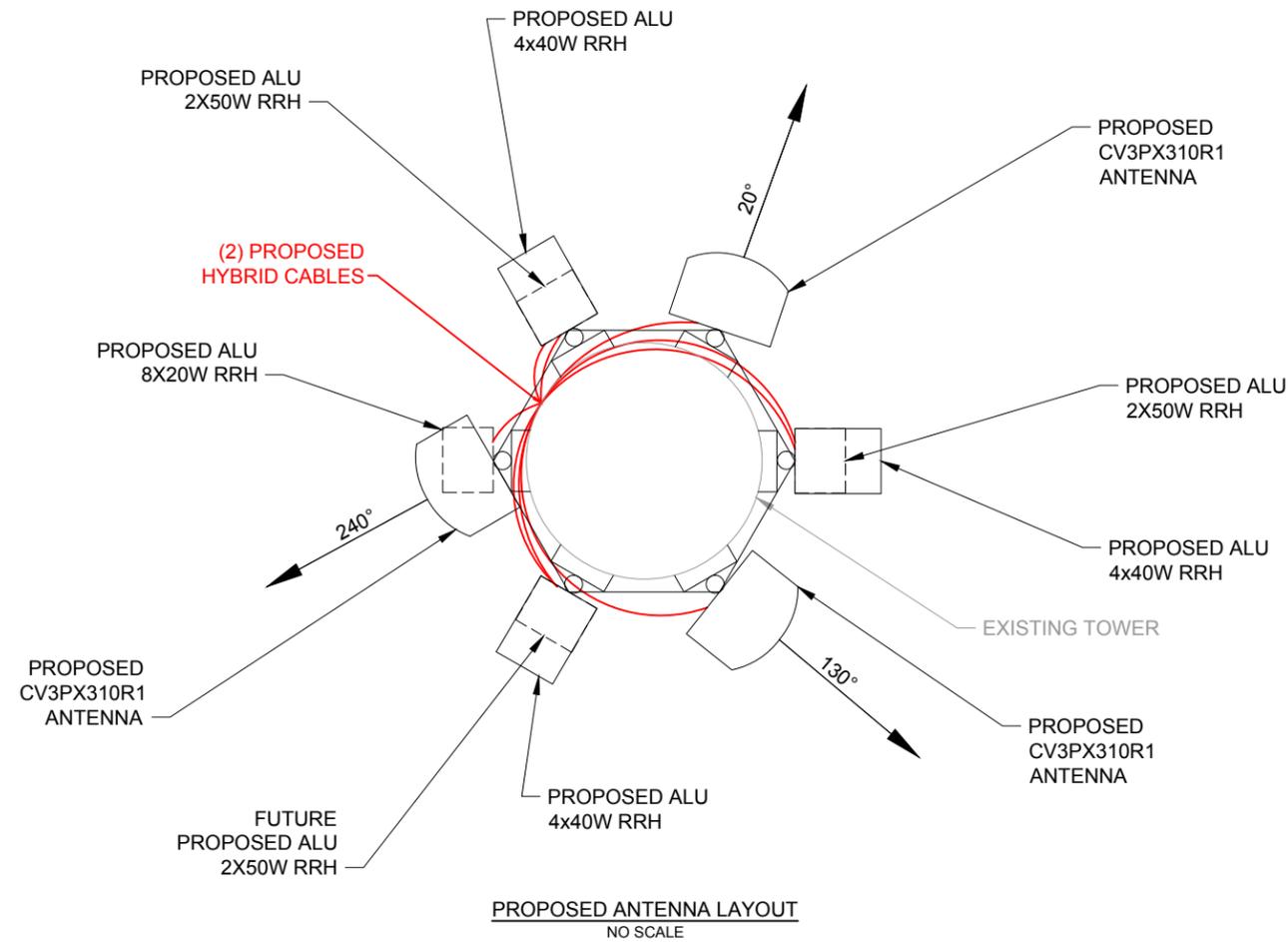
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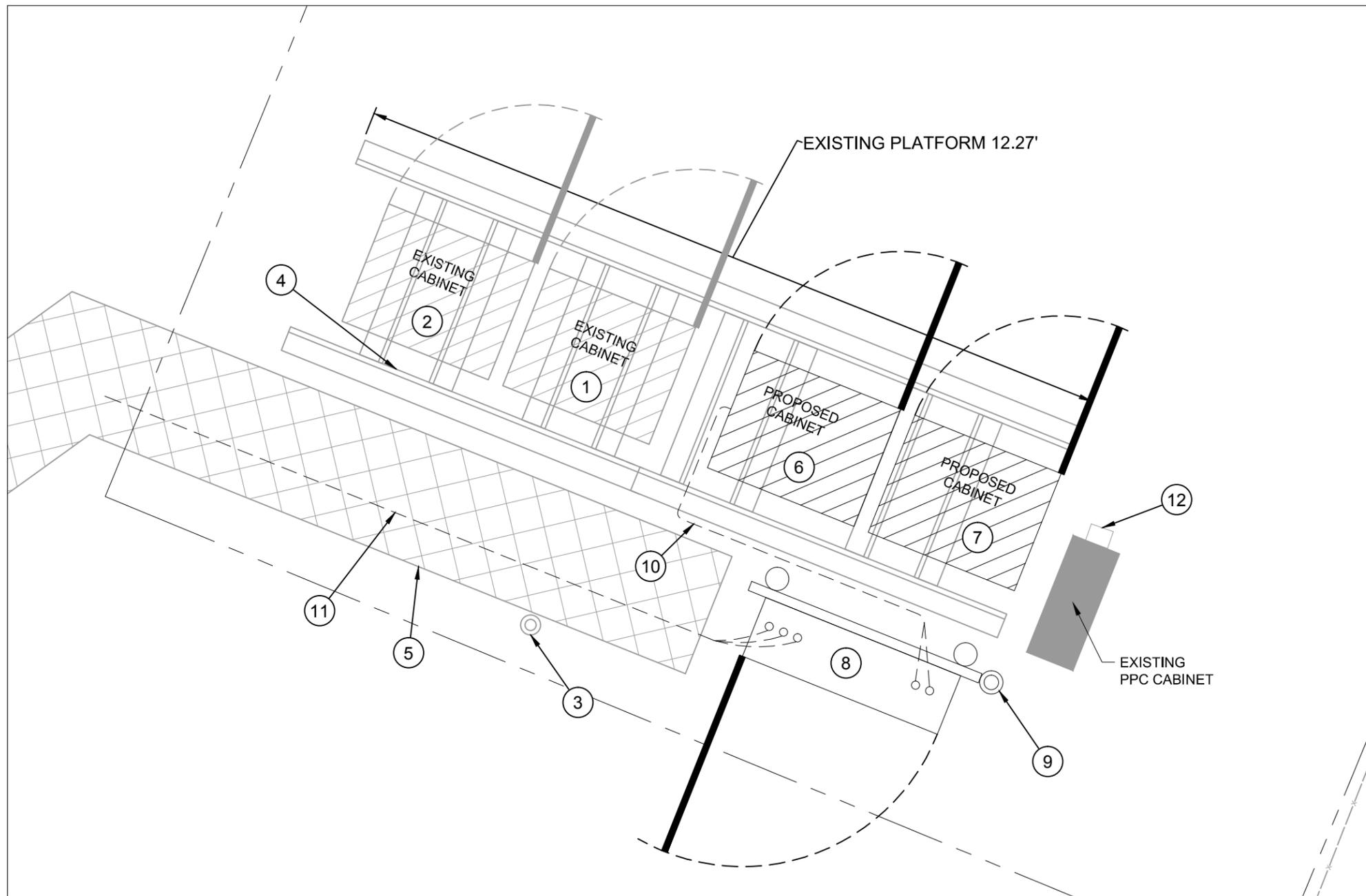
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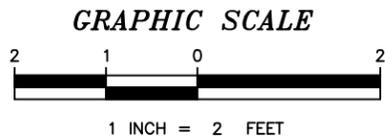
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TG PROJECT # 36603  
ANTENNA CONDUIT ROUTING PLAN  
SHEET C-5

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



- |                                      |   |
|--------------------------------------|---|
| ① (E) NTELOS RF CABINET              | ⑧ (N) NTELOS DISTRIBUTION BOX   |
| ② (E) NTELOS BATTERY CABINET         | ⑨ (N) NTELOS GPS ANTENNA  |
| ③ (E) NTELOS GPS ANTENNA             | ⑩ (N) NTELOS (2) 1-1/2" FLEXLIGHT CONDUITS  |
| ④ (E) NTELOS STEEL RAIL              | ⑪ (N) NTELOS (2) 10 AWG HYBRID CABLES   |
| ⑤ (E) ICE BRIDGE                     | ⑫ (E) NTELOS 100A GENERATOR RECEPTACLE TO BE REPLACED W/ (N) 200A, 240V 1Ø GENERATOR RECEPTACLE |
| ⑥ (N) NTELOS 9929 EQUIPMENT CABINET  |   |
| ⑦ (N) NTELOS EMERSON BATTERY CABINET |   |



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TG PROJECT # 36603

EQUIPMENT PLATFORM PLAN	SHEET C-6
----------------------------	--------------





1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

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NELLYSFORD, VA 22938

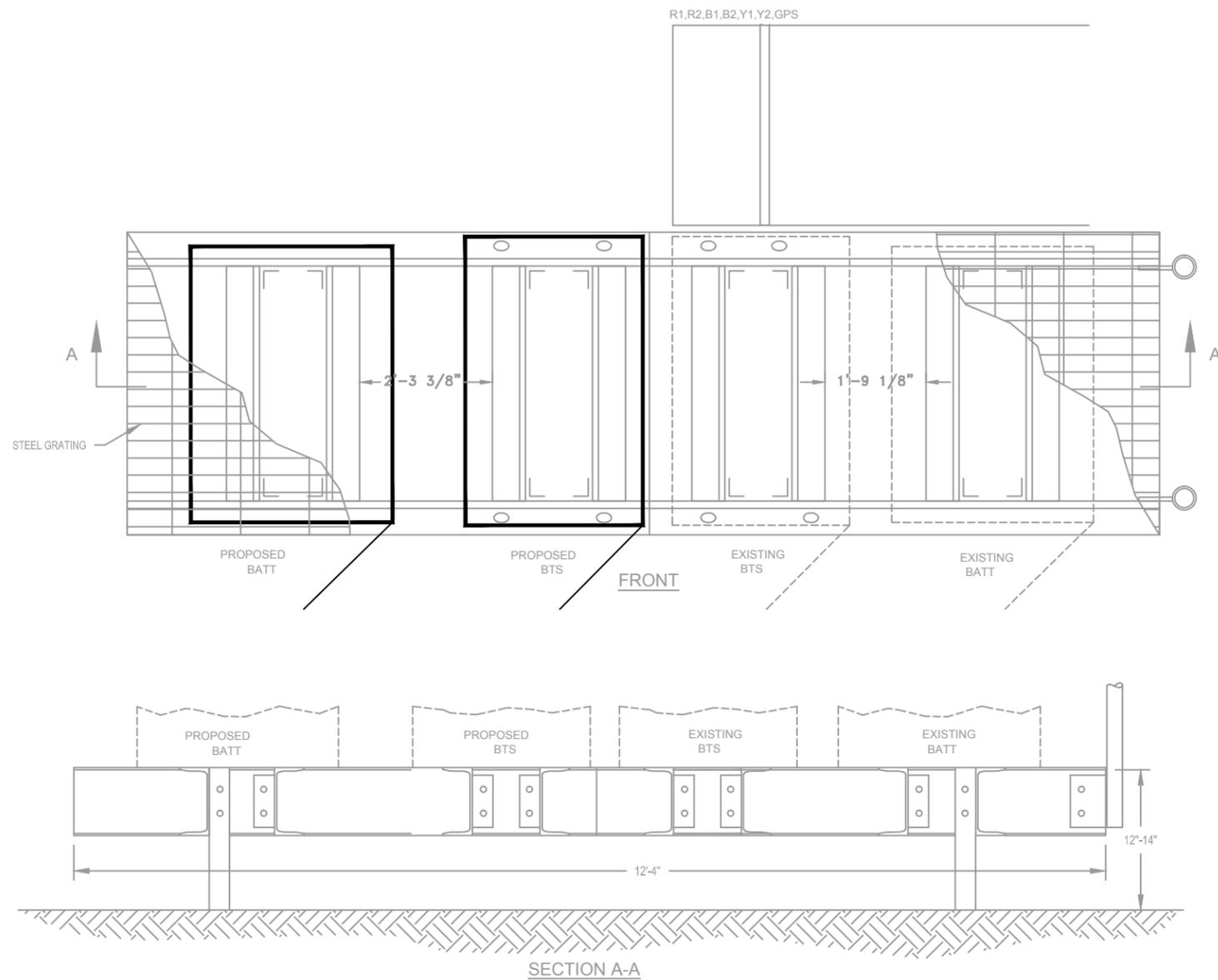
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CAT-5 COLOR CODE	
1.	WHITE
2.	BLUE
3.	GREEN
4.	YELLOW
5.	RED
6.	WHITE-BLACK
7.	BLUE-BLACK
8.	GREEN-BLACK
9.	YELLOW-BLACK

THIS IS TO BE THE COLOR OF THE JACKET ON THE WIRE. THE BLACK IS TO BE A STRIPE OF BLACK TAPE.



- GENERAL NOTES:
- PPC CABINET CAN BE ADJACENT TO H-FRAME AT SIDE OF BUILDING.
  - POWER: (3) #6 WIRES (L1-L2-G) AND (3) #10 WIRES (L1-N-G). CONTRACTOR TO INSTALL (2) 50 AMP AND (2) 15 AMP 2-POLE BREAKERS.
  - TELCO: CONTRACTOR TO INSTALL (5) CAT-5 CABLES (SEE COLOR CODE CHART). CABLES WITH BLACK TAPE TO BE ROLLED UP NEATLY AND LEFT IN THE PPC CABINET FOR FUTURE USE.
  - NON-INSULATED GROUND BAR TO BE MOUNTED IN THE CENTER OF THE FRAME ON THE ICEBRIDGE SIDE WITH (4) PIECES OF #2 GREEN WIRE 10' LONG ATTACHED. GROUND BAR TO HAVE (2) #2 SOLID GROUND LEADS CAD WELDED TO EACH END AND TO THE GROUND RING.
  - CAT-5 WIRES TO EXTEND 10' PAST 90 DEGREE CONNECTOR ON SEAL TIGHT.
  - POWER WIRES TO EXTEND 5' PAST 90 DEGREE CONNECTOR ON SEAL TIGHT.

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EQUIPMENT RACK DETAILS	SHEET
	D-1



1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

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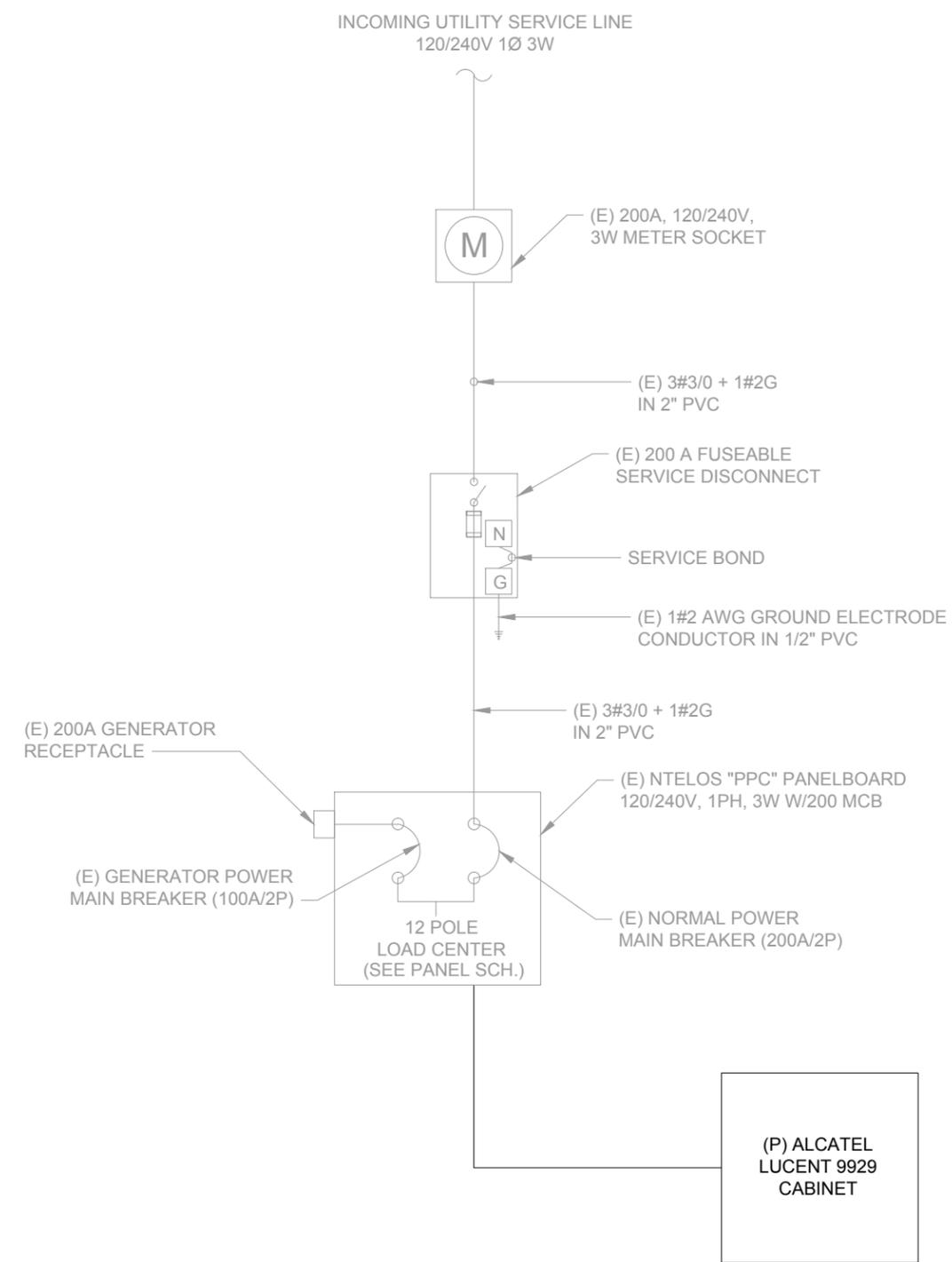


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TG PROJECT # 36603

POWER & TELEPHONE SINGLE LINE DIAGRAM	SHEET
	D-2





1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

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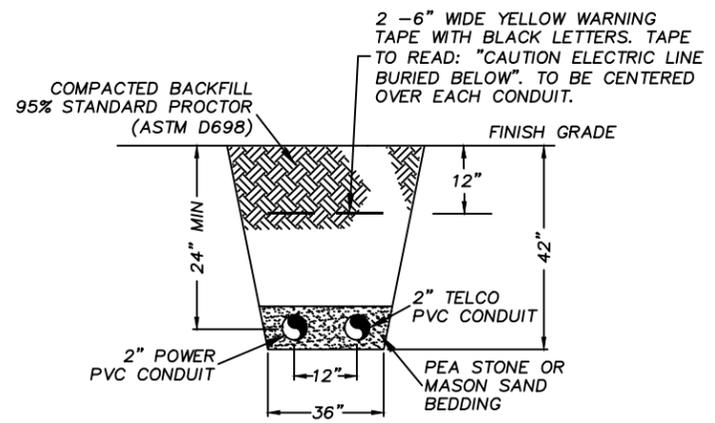
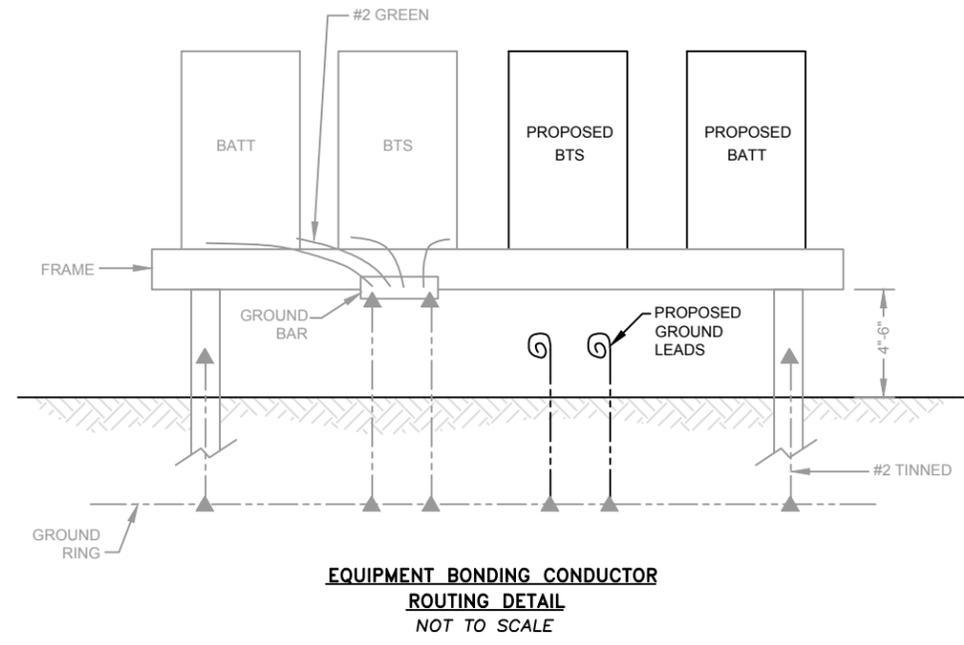
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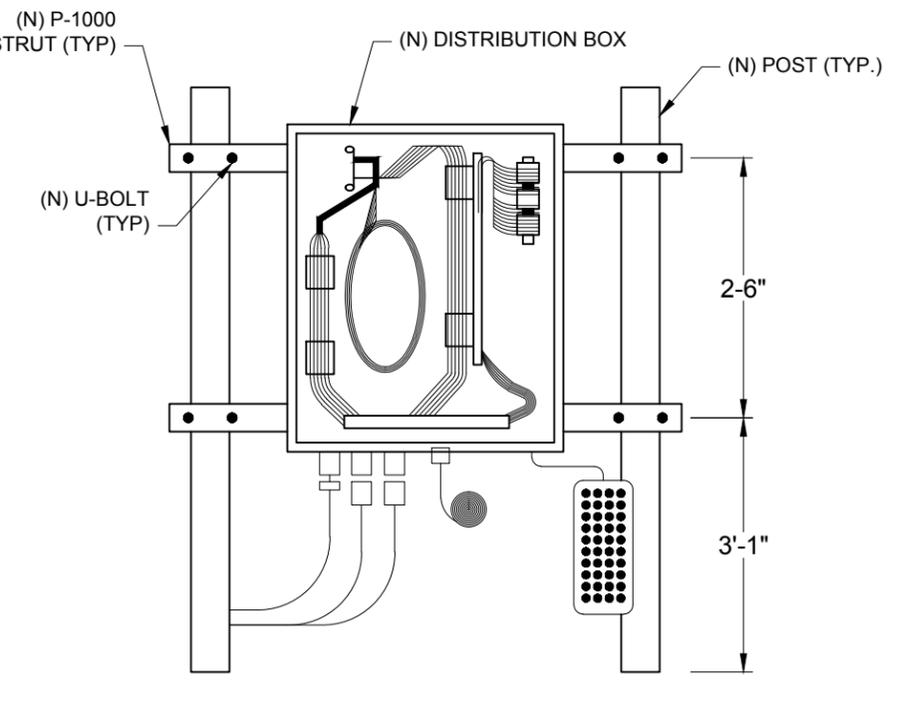
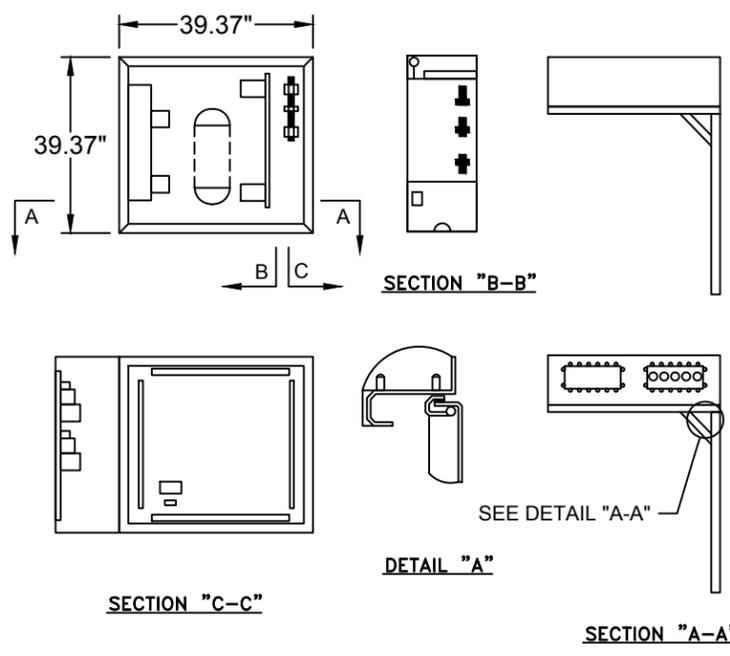
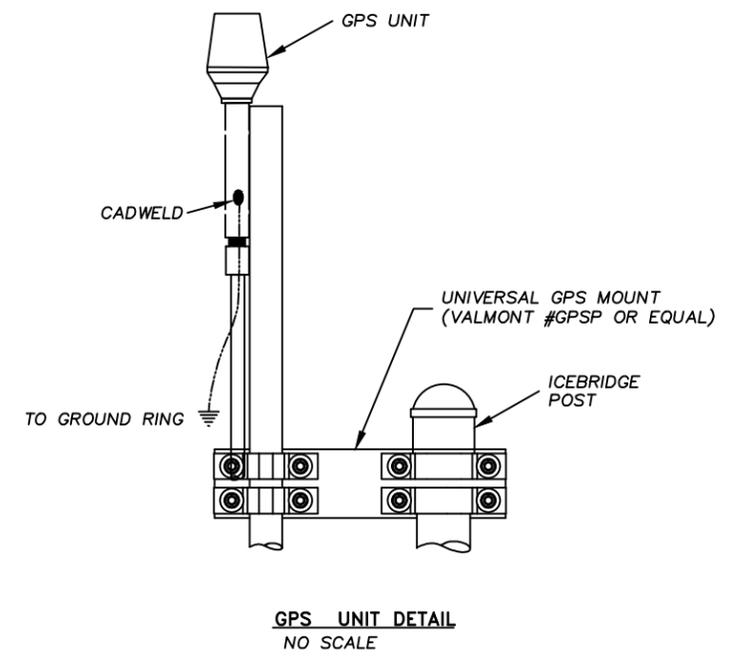
MISCELLANEOUS DETAILS	SHEET D-3
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**TRENCHING DETAIL FOR CONDUIT ROUTING**  
NOT TO SCALE

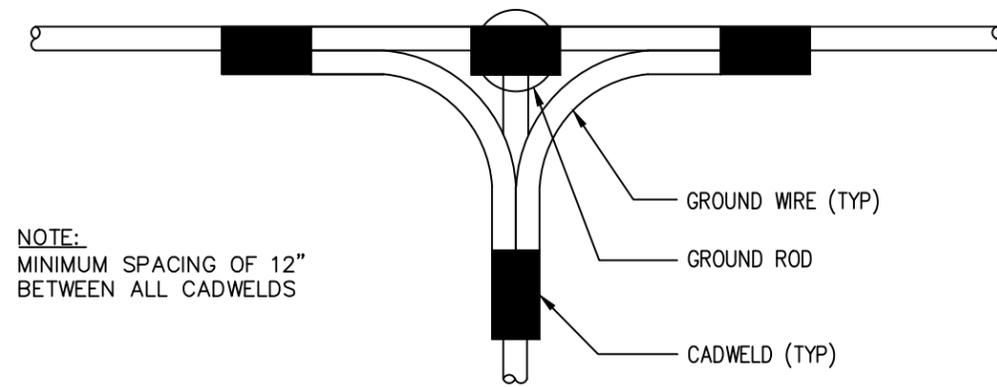
**NOTE:**

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



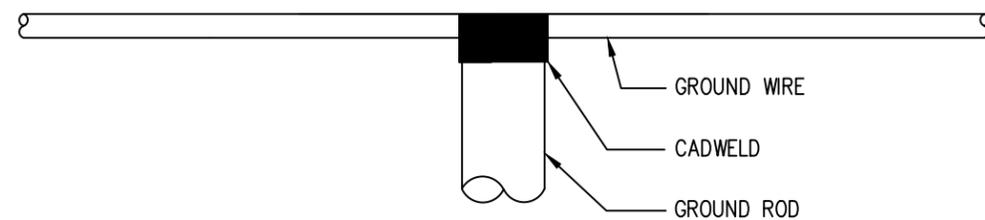
**DISTRIBUTION BOX PLAN VIEW**  
NO SCALE

**DISTRIBUTION BOX ELEVATION VIEW**  
NO SCALE



NOTE:  
MINIMUM SPACING OF 12"  
BETWEEN ALL CADWELDS

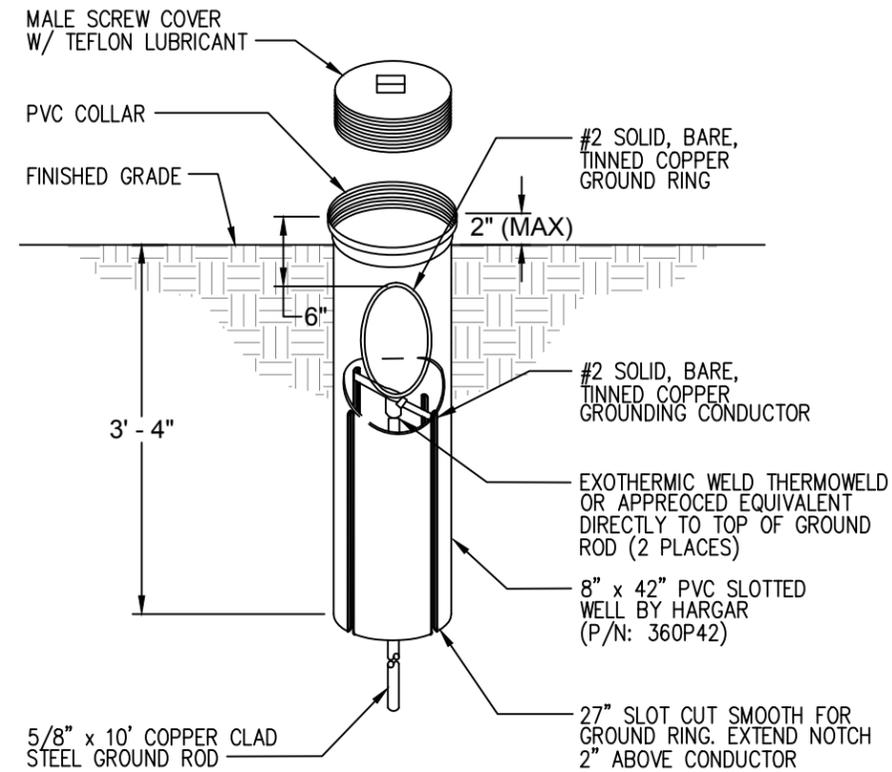
TOP VIEW



SIDE VIEW

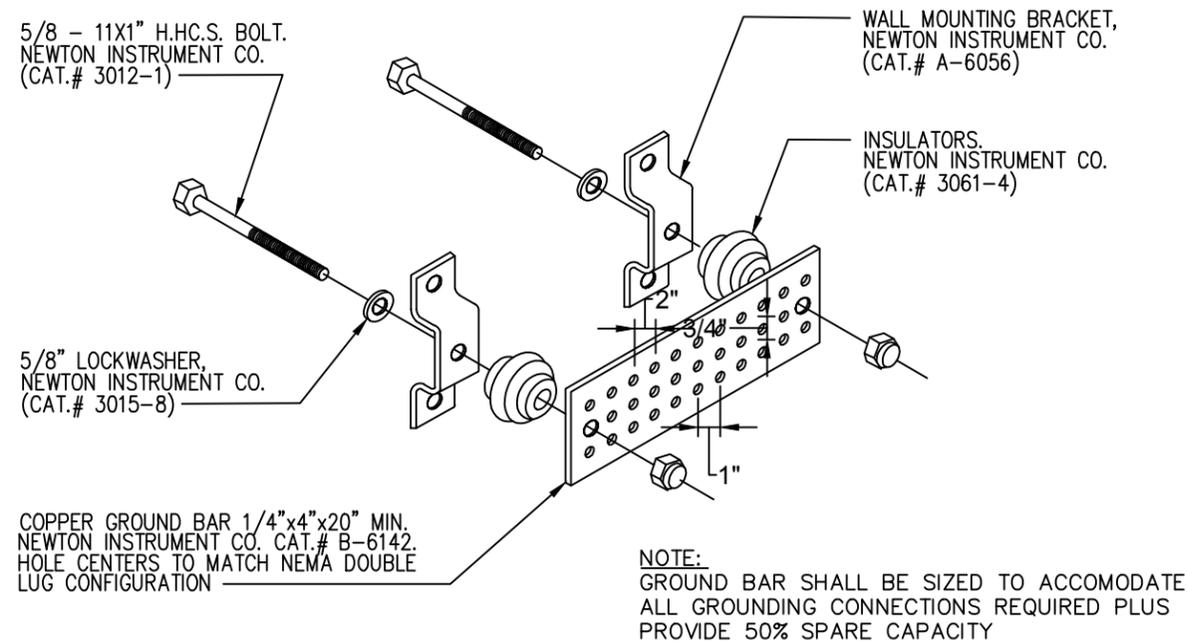
**CADWELD GROUNDING DETAIL**

SCALE: N.T.S



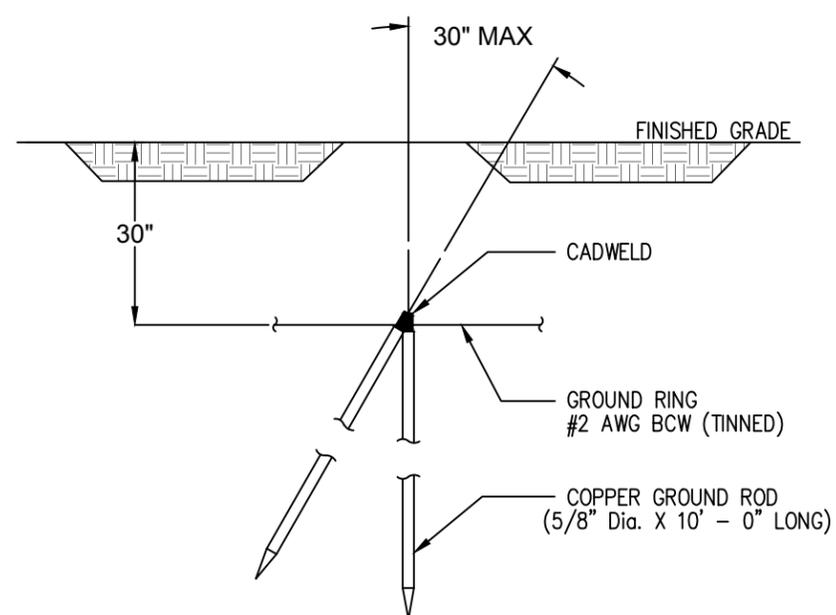
**GROUND ROD WITH INSPECTION WELL**

SCALE: N.T.S



**STANDARD GROUND BAR DETAIL**

SCALE: N.T.S



**COPPER-CLAD STEEL GROUND ROD**

SCALE: N.T.S



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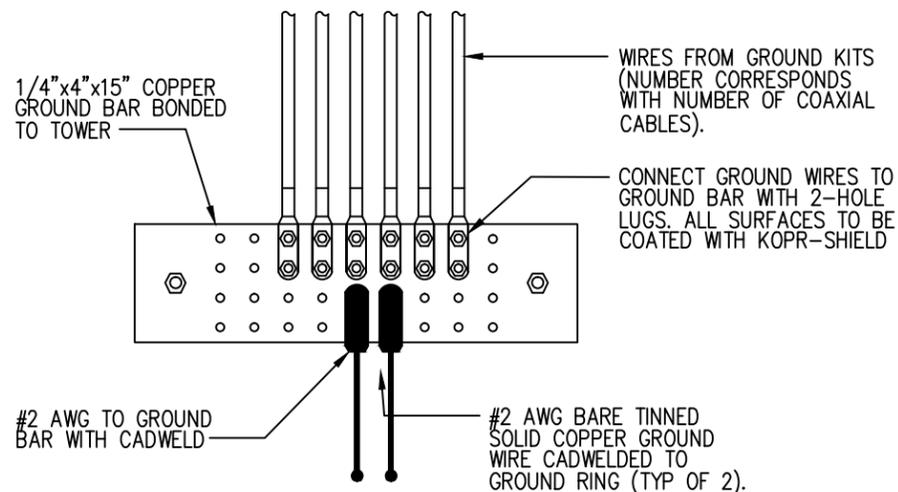
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TG PROJECT # 36603

GROUNDING PLAN

SHEET

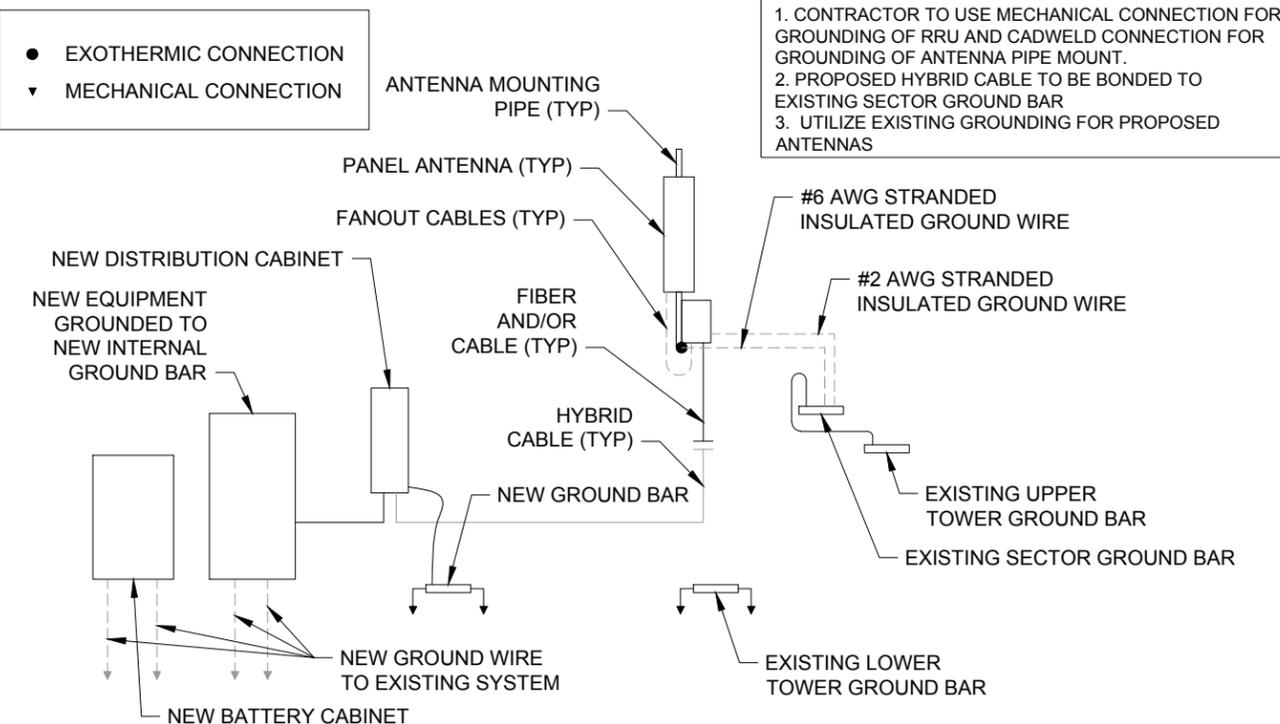
D-4



END VIEW

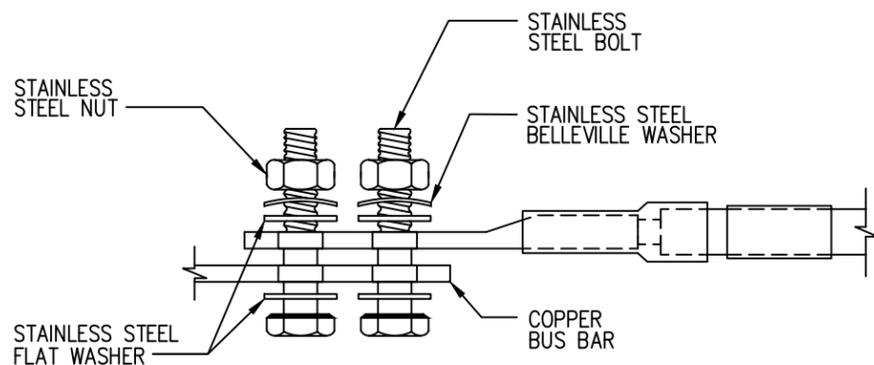
**LOWER GROUND BAR**

SCALE: N.T.S



**GROUNDING RISER DIAGRAM**

SCALE: N.T.S

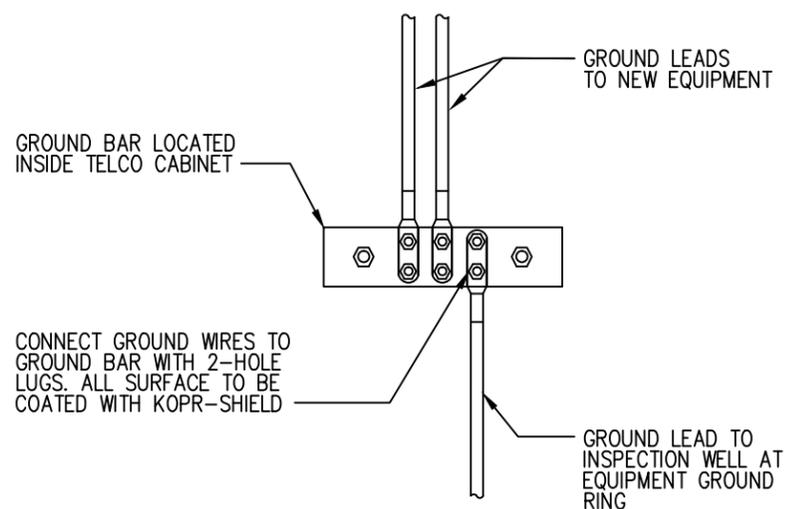


**NOTES:**

- ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL, INCLUDING THE BELLEVILLE WASHERS. COAT ALL SURFACES WITH KOPR-SHIELD BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY; INSERT A DRAGON TOOTH WASHER BETWEEN THE LUG AND STEEL. COAT ALL SURFACES WITH KOPR SHIELD

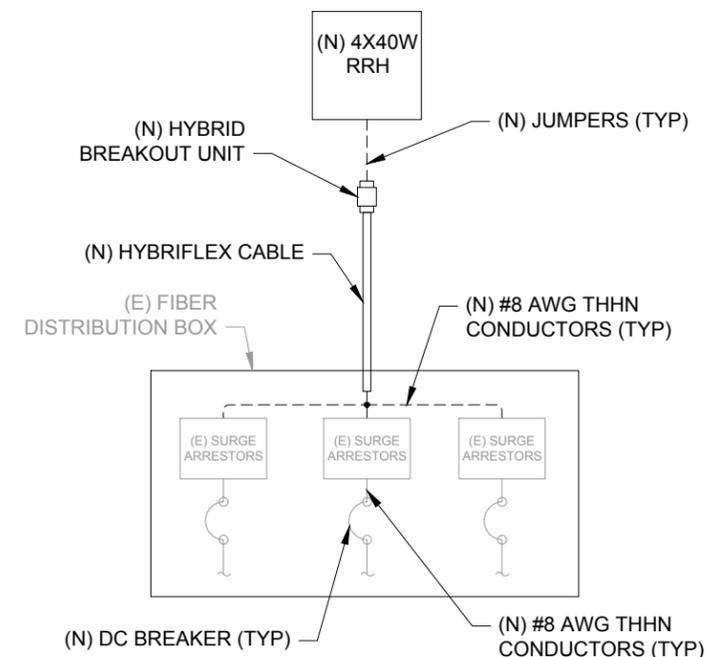
**LUG DETAIL**

SCALE: N.T.S



**GROUND BAR IN TELCO CABINET**

SCALE: N.T.S



**DC ONE-LINE DIAGRAM**

SCALE: N.T.S



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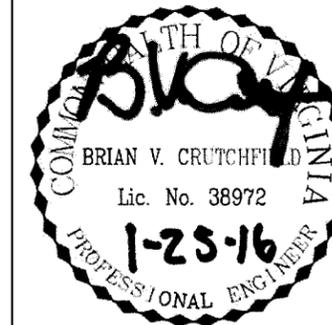
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TG PROJECT # 36603

GROUNDING PLAN SHEET  
D-5



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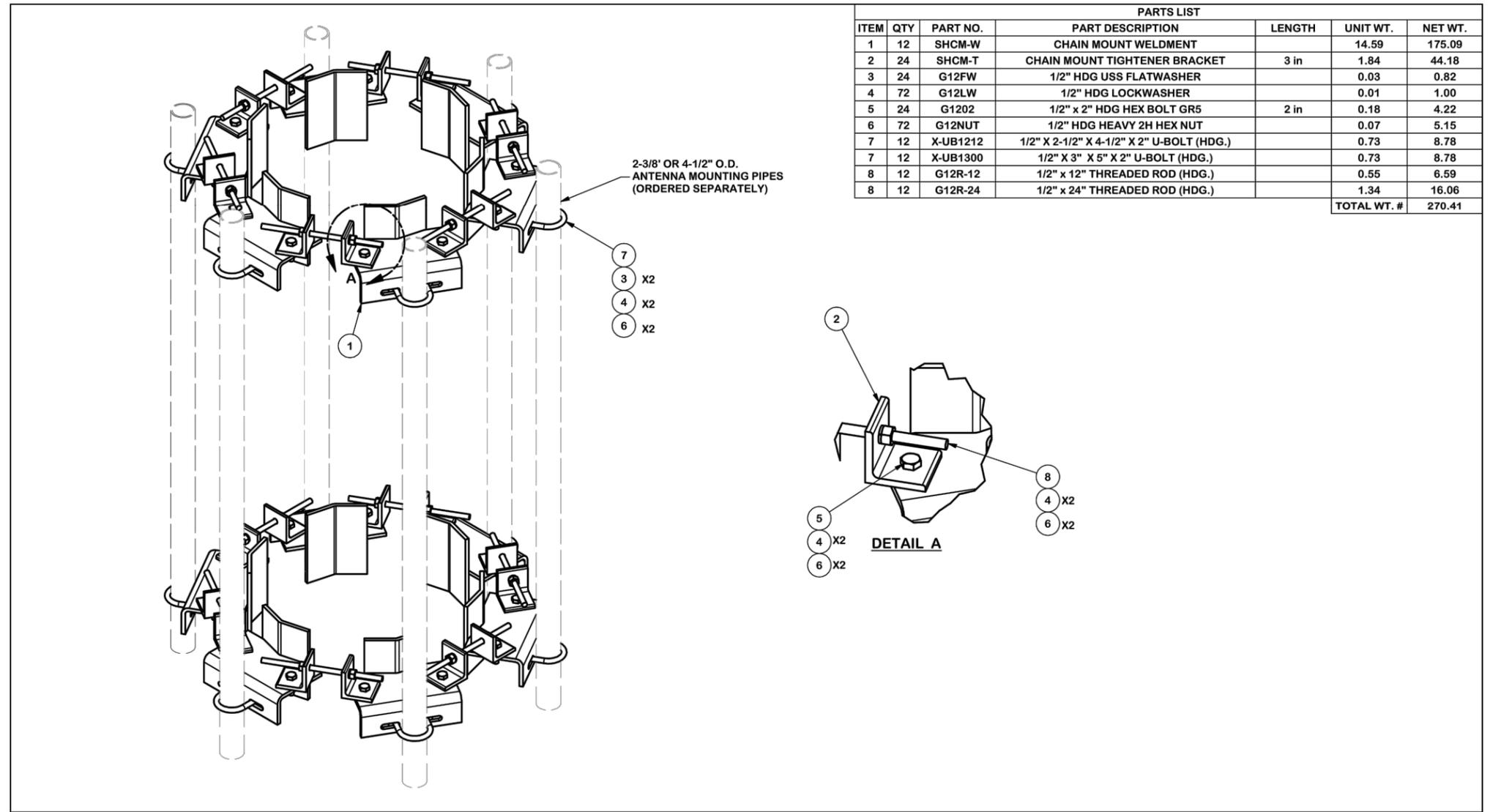


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6-SECTOR MOUNT DETAIL SHEET  
D-6



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 ( $\pm 0.060"$ )

PROPRIETARY NOTE:  
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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
DWG. NO.		6CHMT	

**SITE PRO 1**  
A valmont COMMUNITY

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

Engineering Support Team:  
1-888-753-7446

PAGE 1 OF 1

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

SITE NAME: GREENFIELD

SITE NUMBER: CV821

SITE ADDRESS:  
5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

PROPERTY OWNER:  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

COUNTY: NELSON COUNTY

LATITUDE: N37° 54' 50.4"

LONGITUDE: W78° 50' 40.3"

NO.	REVISION/ISSUE	DATE
1	ZONING DRAWINGS	4/16/15
2	FRA DRAWINGS	11/24/15
3	FCD DRAWINGS	1/25/16



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FAX 434.295.8317  
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36603

TG PROJECT # 36603

GENERAL NOTES	SHEET
	D-7



# GREENFIELD

CV821

5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

EQUIPMENT CHANGE OUT ON  
TOWER



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LONGITUDE: W78° 50' 40.3"

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	4/16/15
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TG PROJECT # 36603

TITLE SHEET SHEET T-1

**SITE NAME**  
GREENFIELD

**SITE NUMBER**  
CV821

**SITE ADDRESS**  
5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

**TOWER OWNER**  
PEGASUS-SUNSAR TOWERS LLC.  
P.O. BOX 233  
RICHLANDS, VA 24641

**PROPERTY OWNER**  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

**SITE DATA**  
NAD 83 LATITUDE - N 37° 54' 50.4"  
NAD 83 LONGITUDE - W 78° 50' 40.3"

**JURISDICTION**  
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

**SHEET T-1** TITLE SHEET  
**SHEET C-1** OVERALL SITE PLAN  
**SHEET C-2** EXISTING CONDITIONS  
**SHEET C-3** PROPOSED SITE PLAN  
**SHEET C-4** ANTENNA AND TOWER DETAILS  
**SHEET C-5** ANTENNA CONDUIT ROUTING PLAN  
**SHEET C-6** EQUIPMENT PLATFORM PLAN  
**SHEET D-1** EQUIPMENT RACK DETAILS  
**SHEET D-2** POWER & TELEPHONE SINGLE LINE DIAGRAM  
  
**SHEET D-3** MISCELLANEOUS DETAILS  
**SHEET D-4** GROUNDING DETAILS  
**SHEET D-5** GROUNDING DETAILS  
**SHEET D-6** 6-SECTOR MOUNT DETAIL  
**SHEET D-7** GENERAL NOTES

SHEET INDEX

**POLICE/FIRE/RESCUE**  
911

**ELECTRIC POWER**  
CENTRAL VIRGINIA ELECTRIC COOPERATIVE  
CONTACT: CUSTOMER SERVICE  
PHONE#: 800-367-2832

**TELEPHONE**  
VERIZON  
CONTACT: CUSTOMER SERVICE  
PHONE#: 800-837-4966

EMERGENCY AND UTILITY CONTACTS

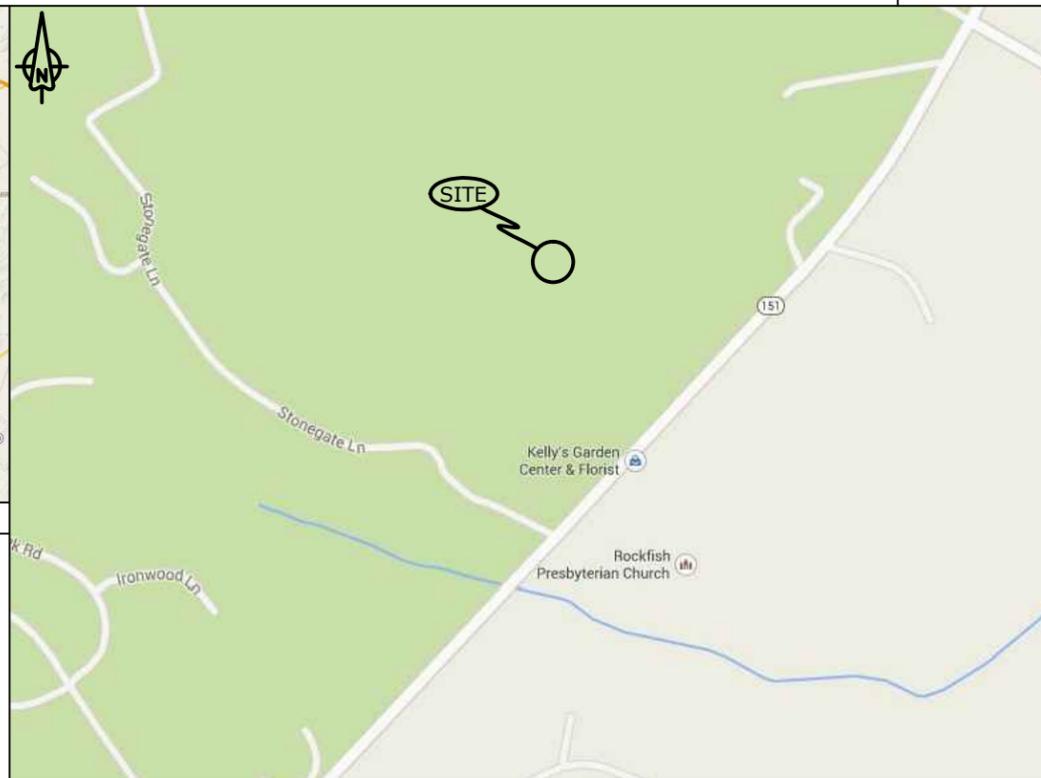
**ALU GLOBAL NOC**  
(800) 566-9568 - PHONE

CURRENT DIVISION (PLANNER) DATE

SIGNATURE PANEL



AREA MAP



VICINITY MAP

**SITE DIRECTIONS**

FROM WAYNESBORO, VA: TAKE I-64 EAST TOWARDS AFTON. TAKE EXIT 99 FOR US-250 TOWARDS AFTON/WAYNESBORO. TURN RIGHT ONTO US-250. CONTINUE FOR APPROX. 1.5 MILES TO A RIGHT TURN ONTO SR-6/SR-151/AFTON MOUNTAIN ROAD. CONTINUE FOR APPROX. 3.7 MILES TO A RIGHT TURN ONTO SR-6/SR-151/PATRICK HENRY HIGHWAY. CONTINUE FOR APPROX. 6.0 MILES. SITE ENTRANCE IS ON THE RIGHT DIRECTLY ACROSS FROM THE ROCKFISH PRESBYTERIAN CHURCH ENTRANCE OFF ROUTE 151. ENTER THROUGH GATE AND FOLLOW ACCESS TO THE RIGHT TO THE SITE.

REPLACEMENT OF NEW ANTENNA AND CABINETS ON EXISTING TOWER SITE

PROJECT DESCRIPTION

DIRECTIONS TO SITE

PROJECT INFORMATION

SIGNATURE PANEL

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



N/F  
FIEDA D. KIER, JACQUELINE KIER,  
& MARY BARBARA WHITE  
DB: 422, PG: 245  
T.M. #22-A-60  
ZONED A1

N/F  
SUSAN C.  
HARDY  
INSTRUMENT  
#050006078  
T.M. #22-13-1  
ZONED A1

**LEGEND**

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



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TG PROJECT # 36603

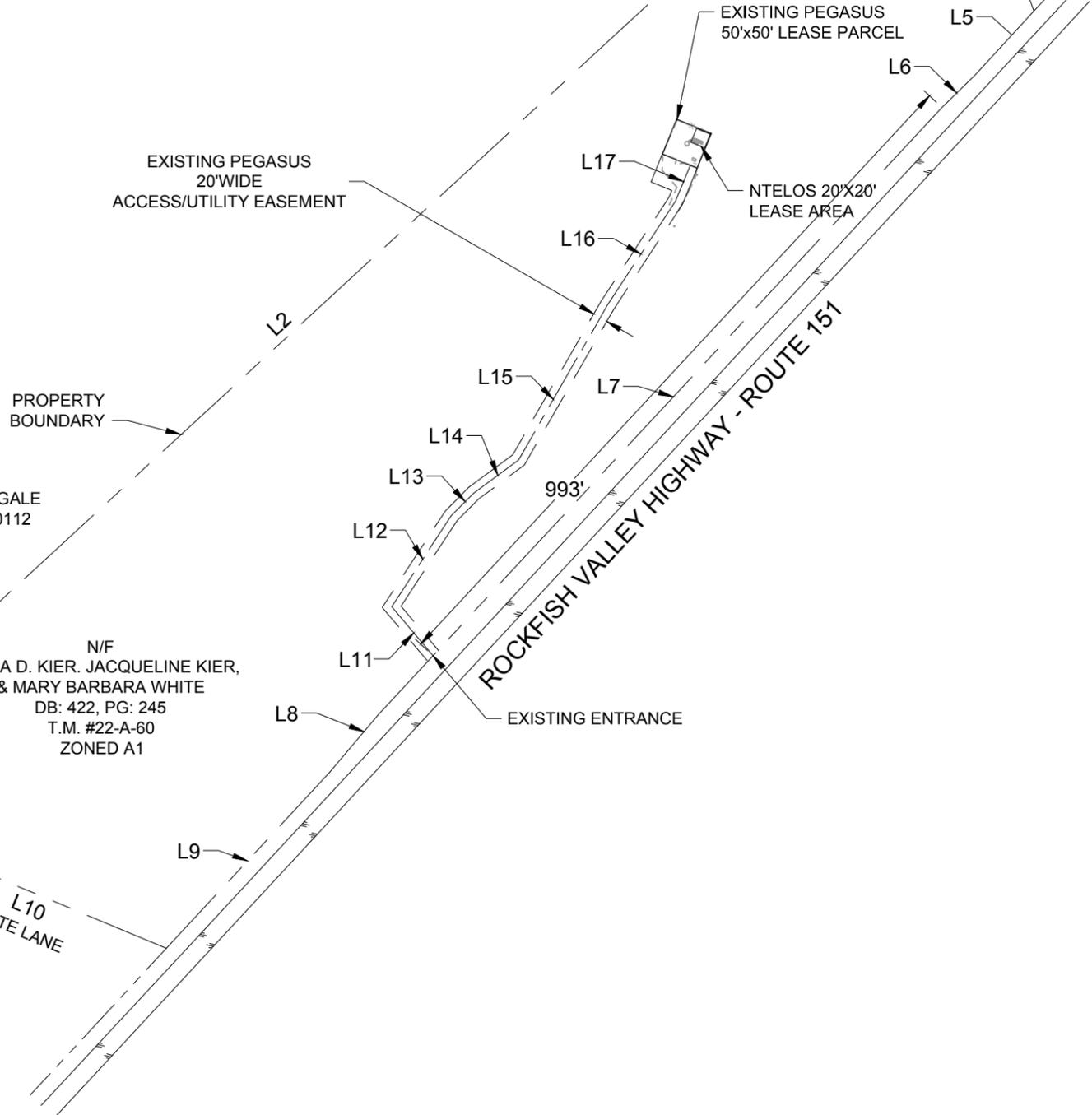
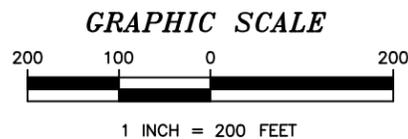
OVERALL SITE PLAN SHEET  
C-1

**LINE TABLE**

LINE	LENGTH	BEARING
L1	175.12	N27°03'16"W
L2	1962.51	N47°26'31"E
L3	223.88	S14°35'53"E
L4	168.86	S19°25'25"E
L5	114.07	S42°39'18"W
L6	62.89	S45°34'01"W
L7	1100.01	S42°56'15"W
L8	100.12	S40°20'08"W
L9	318.34	S42°54'28"W
L10	352.46	N67°25'06"W

**LINE TABLE**

LINE	LENGTH	BEARING
L11	85.14	N40°15'54"W
L12	144.46	N33°16'32"E
L13	42.22	N44°58'10"E
L14	74.27	N53°28'01"E
L15	236.66	N29°56'38"E
L16	165.13	N33°14'29"E
L17	50.87	N22°24'39"E

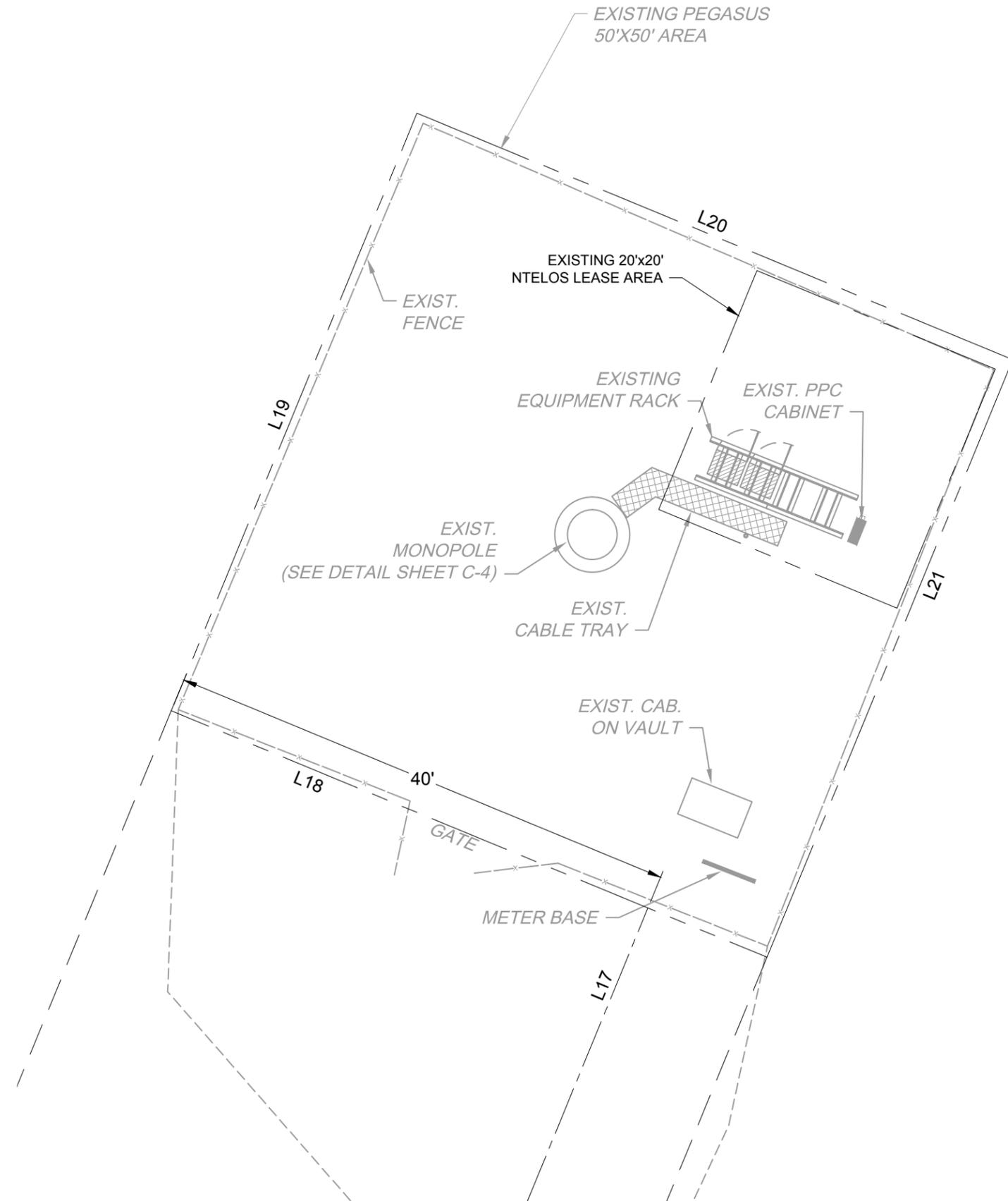


N/F  
ALBERT R. & KATY JO GALE  
INSTRUMENT #010000112  
T.M. #22-5-58  
ZONED A1

N/F  
FIEDA D. KIER, JACQUELINE KIER,  
& MARY BARBARA WHITE  
DB: 422, PG: 245  
T.M. #22-A-60  
ZONED A1

N.F.  
WINTERGREEN NATURE  
FOUNDATION  
T.M. #22-A-57  
ZONED RPC

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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NELLYSFORD, VA 22938

PROPERTY OWNER:  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

COUNTY: NELSON COUNTY

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LONGITUDE: W78° 50' 40.3"

NO.	REVISION/ISSUE	DATE
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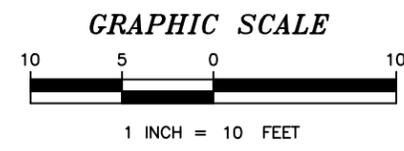
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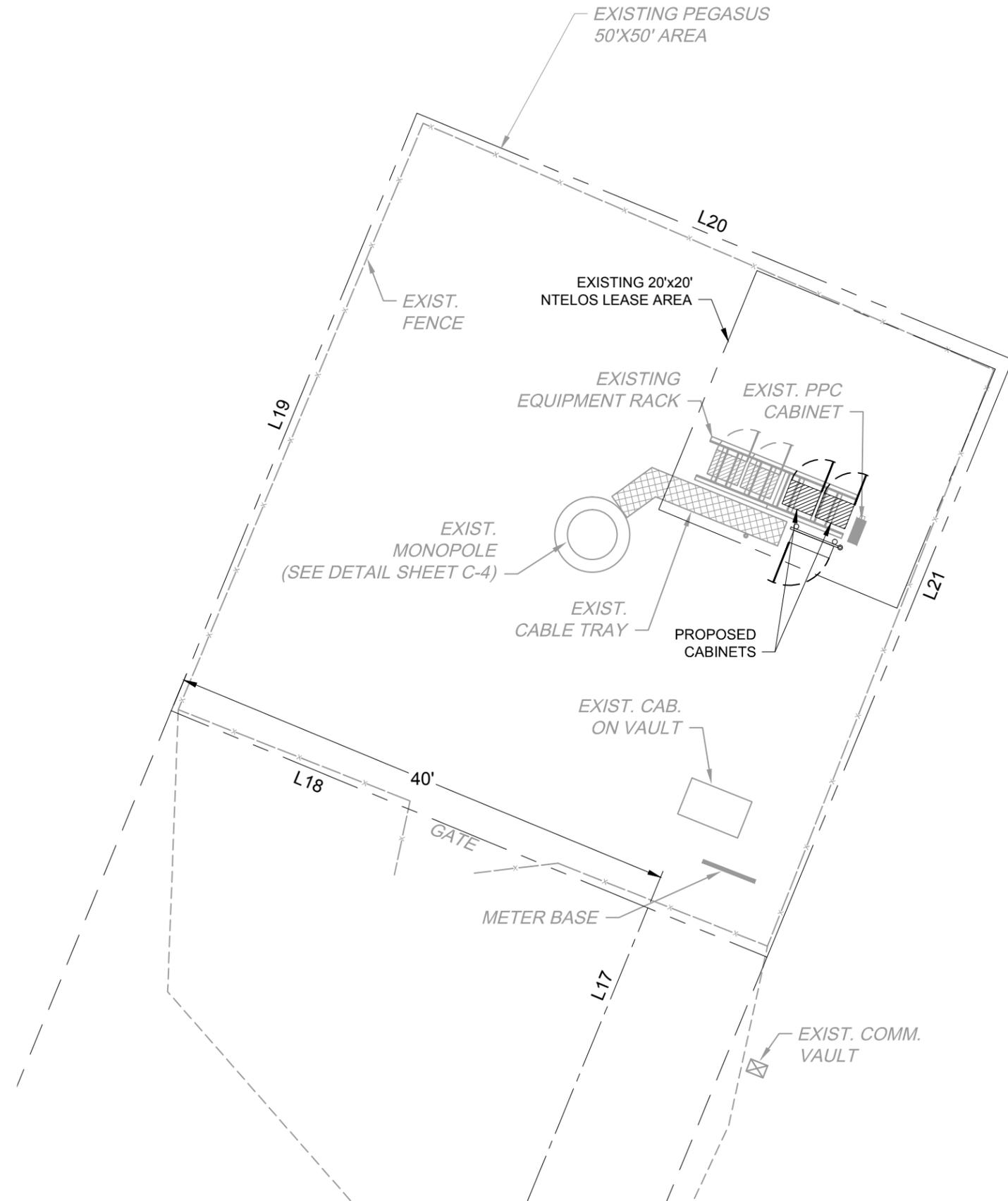
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EXISTING CONDITIONS PLAN SHEET  
C-2



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



**LEGEND**

---	PROPERTY LINE
- - - -	TRACT LINE
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---	ROW LINE
-x-x-x-x-	EXISTING FENCE LINE
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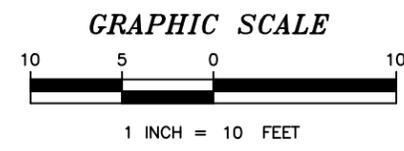
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TG PROJECT # 36603

PROPOSED SITE PLAN SHEET  
C-3



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

TOP OF LIGHTNING ROD  
EXTEND TO 132.0' AGL

PROPOSED 4X40W RRH'S  
C/L @ 118'

NTELOS LEASE AREA  
113'-130'

PROPOSED 2X50W RRH'S  
C/L @ 114'

PROPOSED NTELOS ANTENNAS  
TOP @ 129.15' AGL

PROPOSED NTELOS ANTENNAS  
C/L @ 125' AGL

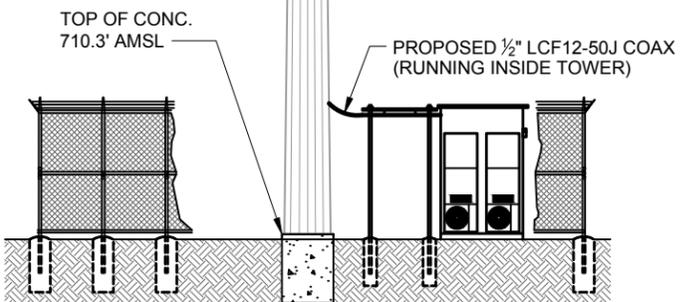
PROPOSED 8x20 RRH  
C/L @ 119' AGL

PROPOSED VHLP2-18B DISH  
C/L @ 114'

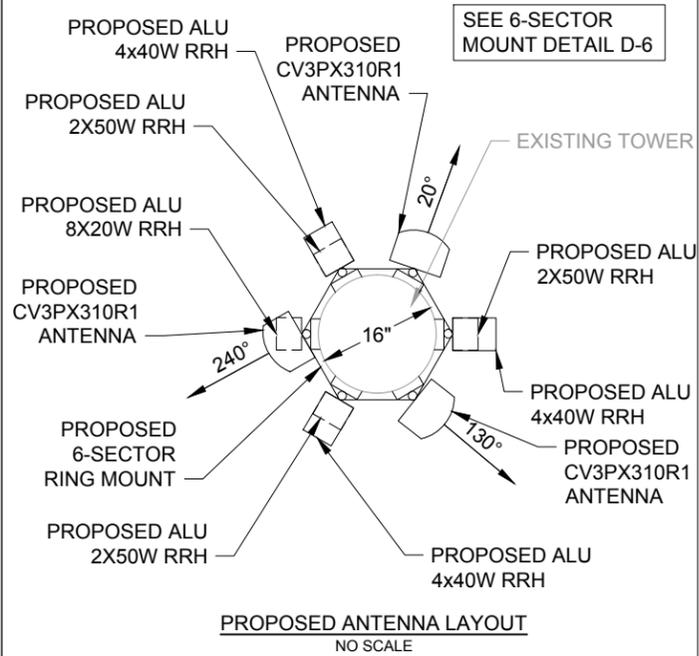
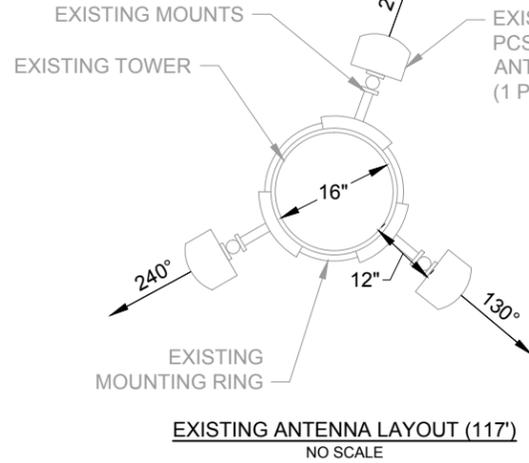
EXIST. DISH (REMOVED BY NTELOS)  
@ 111.0' AGL

EXISTING 120.0'  
MONOPOLE  
DIA. TOP: 16"  
DIA. BOT: 33"

NOTE: ALL ANTENNAS, COAX  
CABLES, MICROWAVE DISH AND  
EQUIPMENT TO BE PAINTED  
WOODEN CABIN #290F-7 BY  
BEHR.

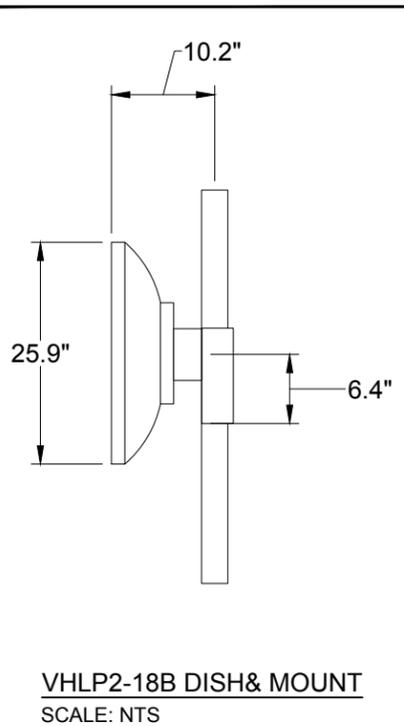
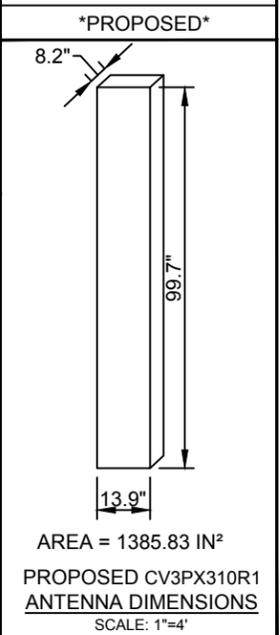
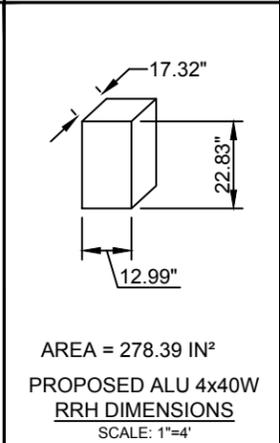
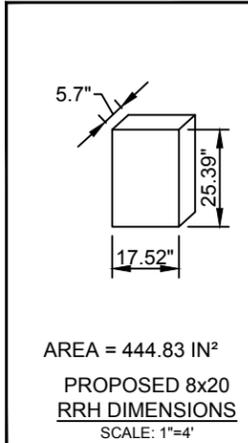
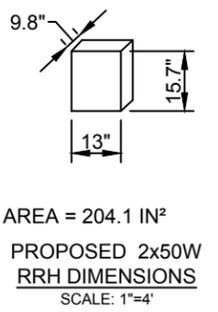
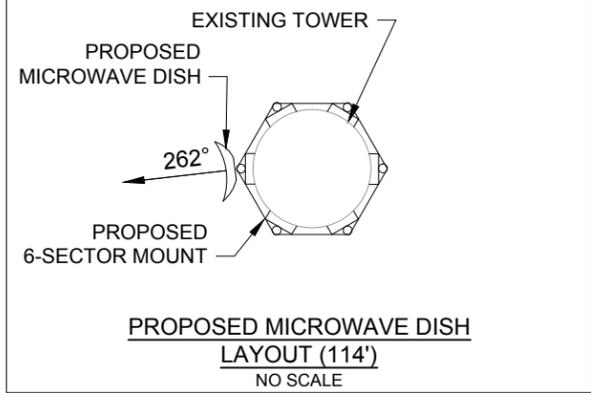


**TOWER ELEVATION**  
SCALE: NTS



- PROPOSED EQUIPMENT:**
- (3) CV3PX310R1 ANTENNAS. (1) PER SECTOR (125')
  - (3) ALU 4X40W RRH (118')
  - (3) ALU 2X50W RRHS (114')
  - (1) ALU 8X20W RRH (119')
  - (1) HORIZON QUANTUM-ODU
  - (1) VHLP2-18B DISH (114')
  - (1) 1/2" LCF12-50J COAX CABLE
  - (2) HYBRID CABLES
  - (2) SIX SECTOR MOUNT(116' AND 120')

- REMOVE EQUIPMENT:**
- (1) EXISTING BRS MW DISH (111')
  - (3) PCSX065-18-0HA ANTENNAS (117')
  - (6) 1 5/8" COAX CABLES
  - (1) 5/16" MICROWAVE CABLE




1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

SITE NAME: GREENFIELD

SITE NUMBER: CV821

SITE ADDRESS:  
5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

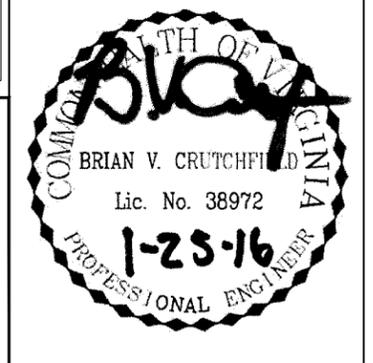
PROPERTY OWNER:  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

COUNTY: NELSON COUNTY

LATITUDE: N37° 54' 50.4"

LONGITUDE: W78° 50' 40.3"

NO.	REVISION/ISSUE	DATE
1	ZONING DRAWINGS	4/16/15
2	FRA DRAWINGS	11/24/15
3	FCD DRAWINGS	1/25/16




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ANTENNA AND TOWER DETAILS	SHEET C-4
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1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

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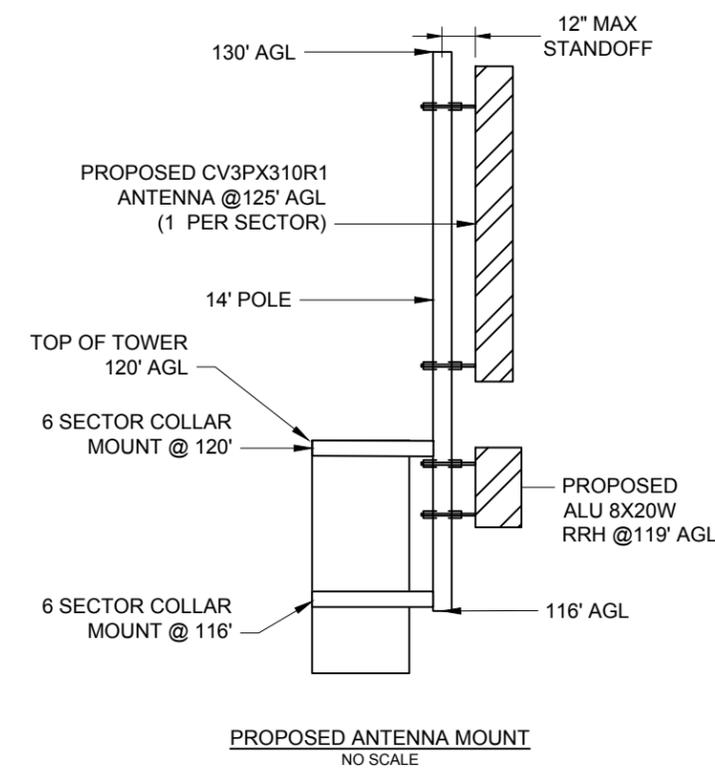
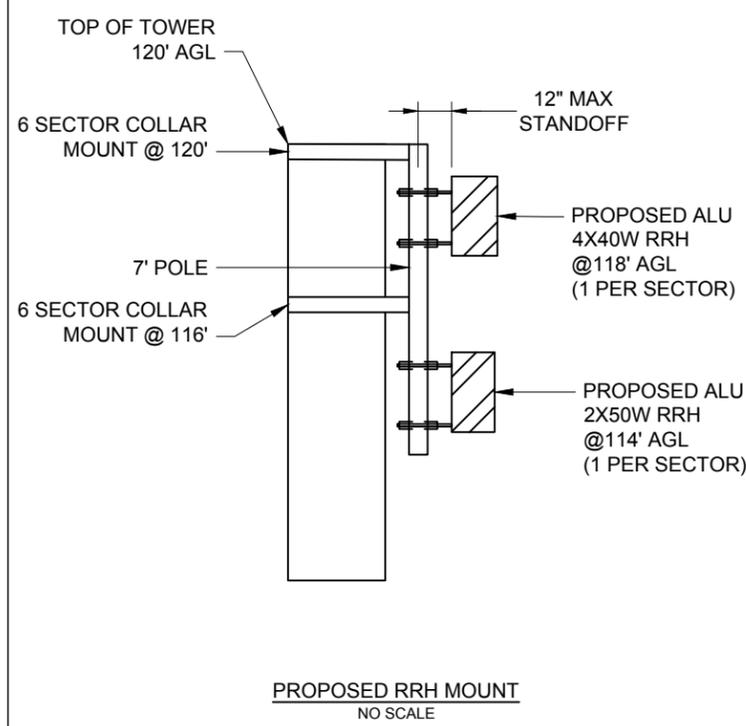
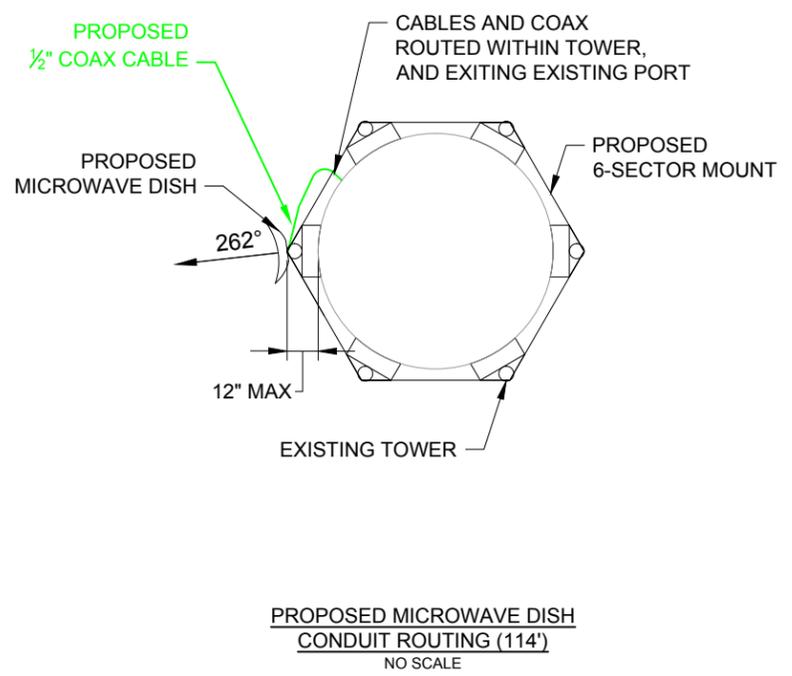
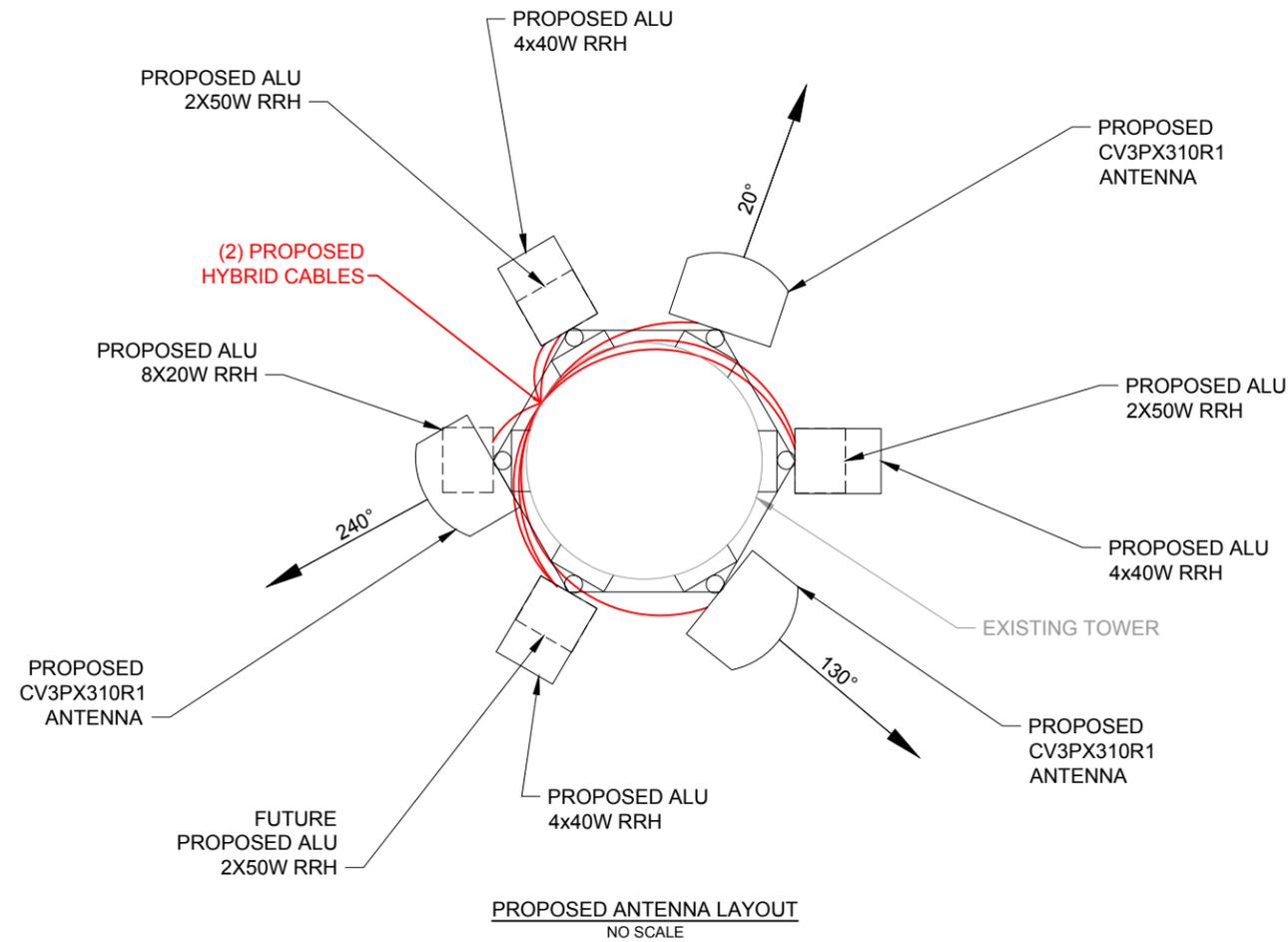
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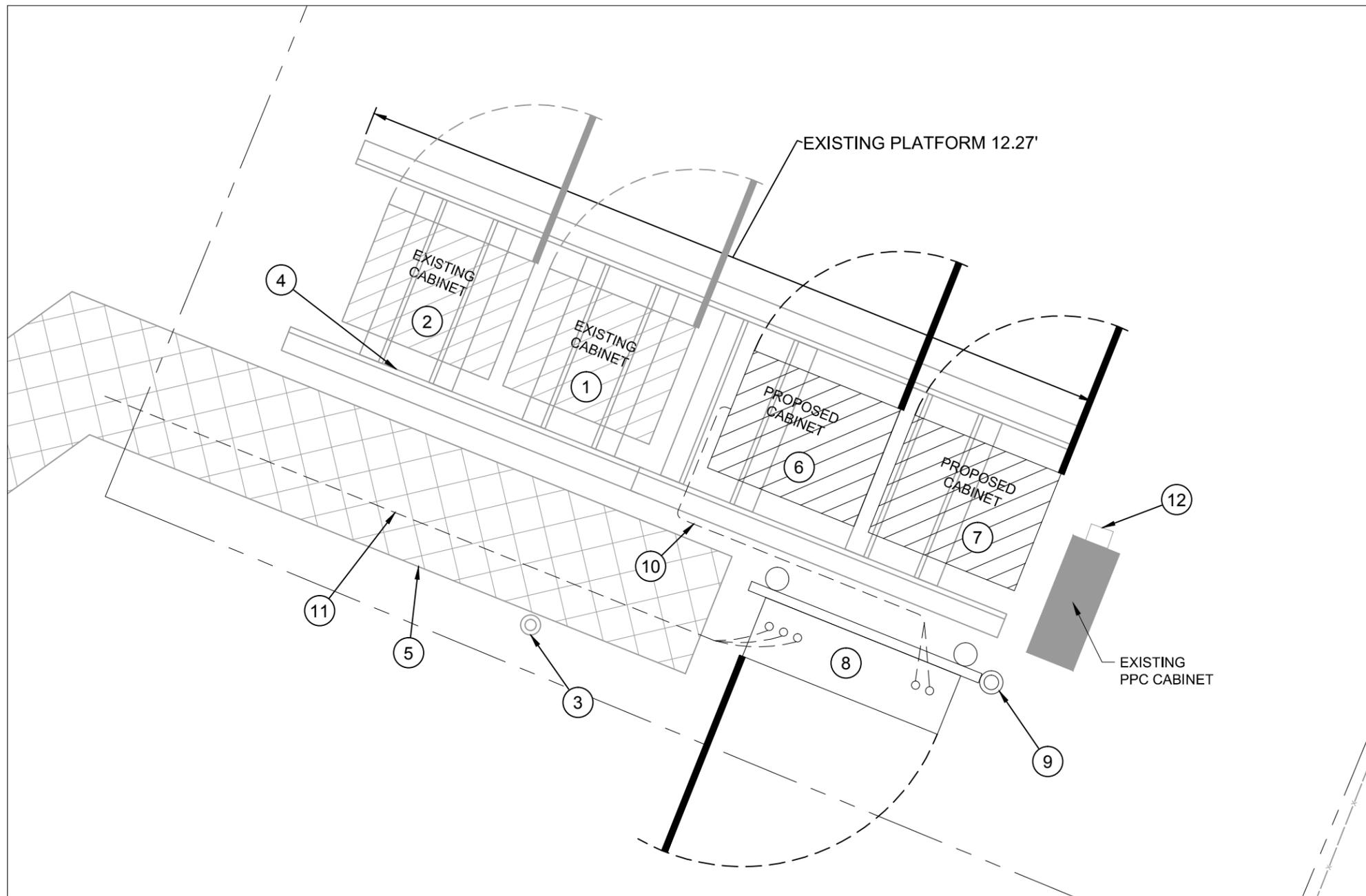
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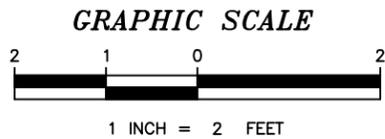
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TG PROJECT # 36603  
ANTENNA CONDUIT ROUTING PLAN  
SHEET C-5

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



- |                                      |   |
|--------------------------------------|---|
| ① (E) NTELOS RF CABINET              | ⑧ (N) NTELOS DISTRIBUTION BOX   |
| ② (E) NTELOS BATTERY CABINET         | ⑨ (N) NTELOS GPS ANTENNA  |
| ③ (E) NTELOS GPS ANTENNA             | ⑩ (N) NTELOS (2) 1-1/2" FLEXLIGHT CONDUITS  |
| ④ (E) NTELOS STEEL RAIL              | ⑪ (N) NTELOS (2) 10 AWG HYBRID CABLES   |
| ⑤ (E) ICE BRIDGE                     | ⑫ (E) NTELOS 100A GENERATOR RECEPTACLE TO BE REPLACED W/ (N) 200A, 240V 1Ø GENERATOR RECEPTACLE |
| ⑥ (N) NTELOS 9929 EQUIPMENT CABINET  |   |
| ⑦ (N) NTELOS EMERSON BATTERY CABINET |   |



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EQUIPMENT PLATFORM PLAN	SHEET C-6
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1150 SHENANDOAH VILLAGE DR.  
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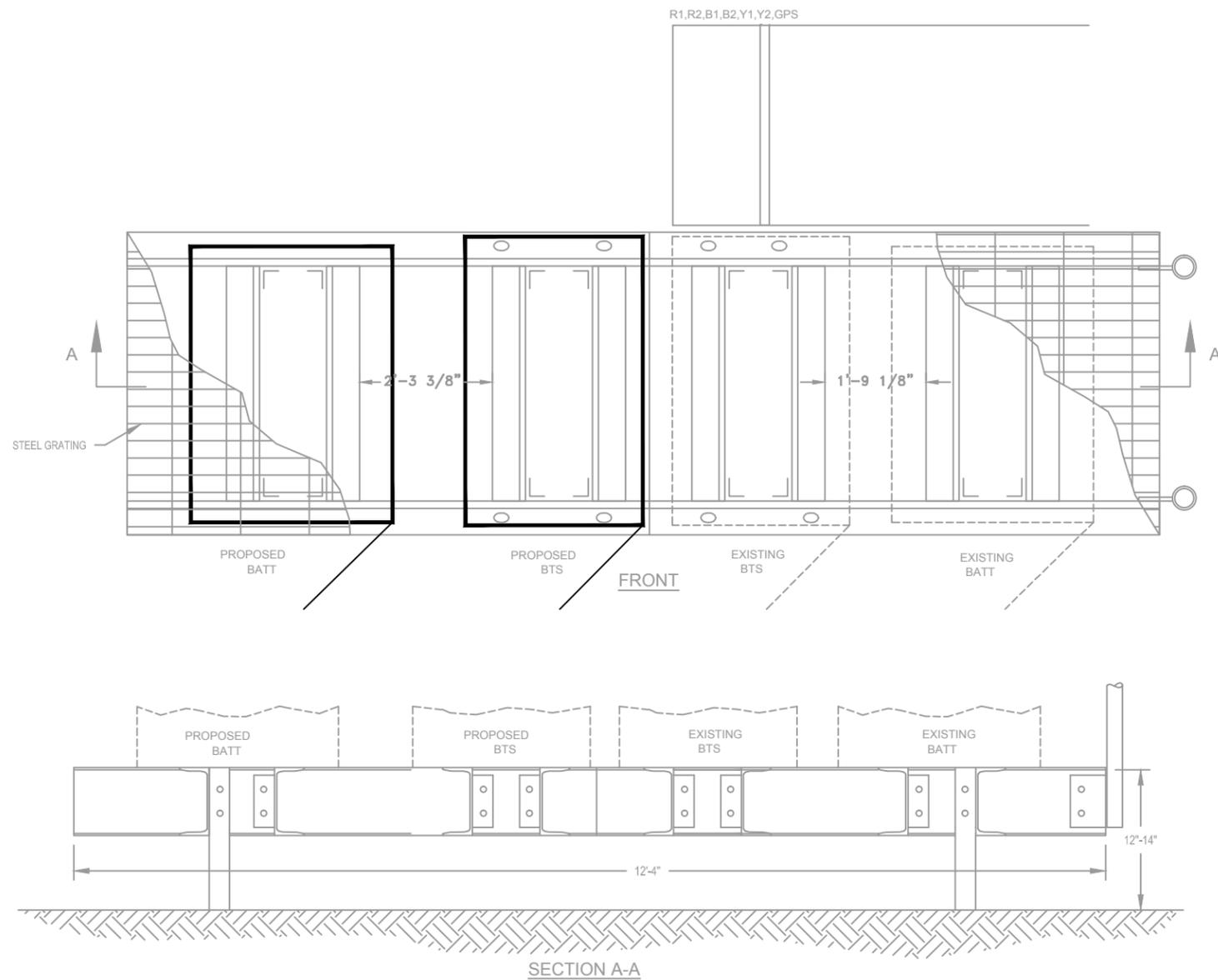
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CAT-5 COLOR CODE	
1.	WHITE
2.	BLUE
3.	GREEN
4.	YELLOW
5.	RED
6.	WHITE-BLACK
7.	BLUE-BLACK
8.	GREEN-BLACK
9.	YELLOW-BLACK

THIS IS TO BE THE COLOR OF THE JACKET ON THE WIRE. THE BLACK IS TO BE A STRIPE OF BLACK TAPE.



- GENERAL NOTES:
- PPC CABINET CAN BE ADJACENT TO H-FRAME AT SIDE OF BUILDING.
  - POWER: (3) #6 WIRES (L1-L2-G) AND (3) #10 WIRES (L1-N-G). CONTRACTOR TO INSTALL (2) 50 AMP AND (2) 15 AMP 2-POLE BREAKERS.
  - TELCO: CONTRACTOR TO INSTALL (5) CAT-5 CABLES (SEE COLOR CODE CHART). CABLES WITH BLACK TAPE TO BE ROLLED UP NEATLY AND LEFT IN THE PPC CABINET FOR FUTURE USE.
  - NON-INSULATED GROUND BAR TO BE MOUNTED IN THE CENTER OF THE FRAME ON THE ICEBRIDGE SIDE WITH (4) PIECES OF #2 GREEN WIRE 10' LONG ATTACHED. GROUND BAR TO HAVE (2) #2 SOLID GROUND LEADS CAD WELDED TO EACH END AND TO THE GROUND RING.
  - CAT-5 WIRES TO EXTEND 10' PAST 90 DEGREE CONNECTOR ON SEAL TIGHT.
  - POWER WIRES TO EXTEND 5' PAST 90 DEGREE CONNECTOR ON SEAL TIGHT.

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TG PROJECT # 36603

EQUIPMENT RACK DETAILS	SHEET
	D-1



1150 SHENANDOAH VILLAGE DR.  
WAYNESBORO, VA 22980

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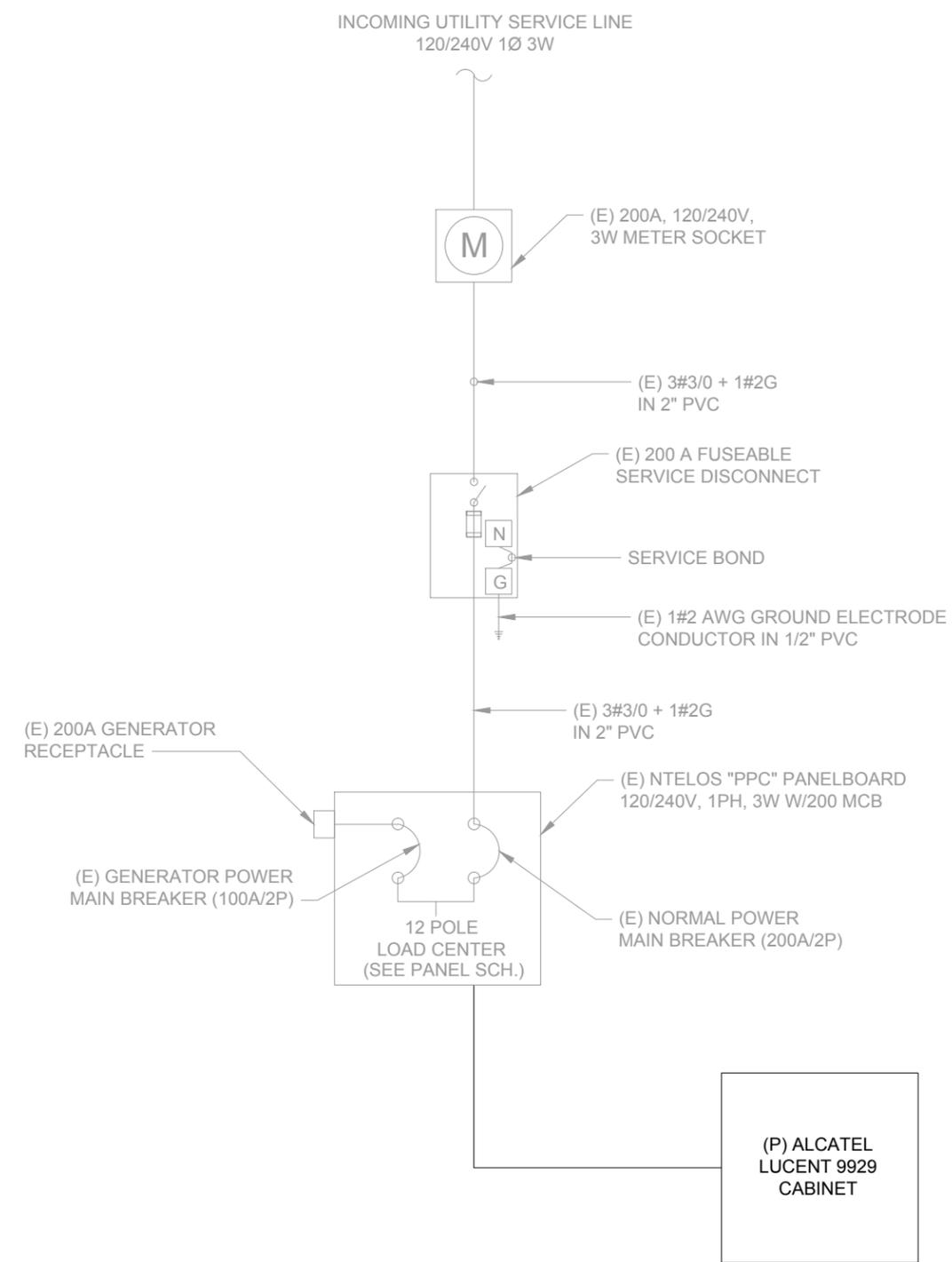


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TG PROJECT # 36603

POWER & TELEPHONE SINGLE LINE DIAGRAM	SHEET
	D-2





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WAYNESBORO, VA 22980

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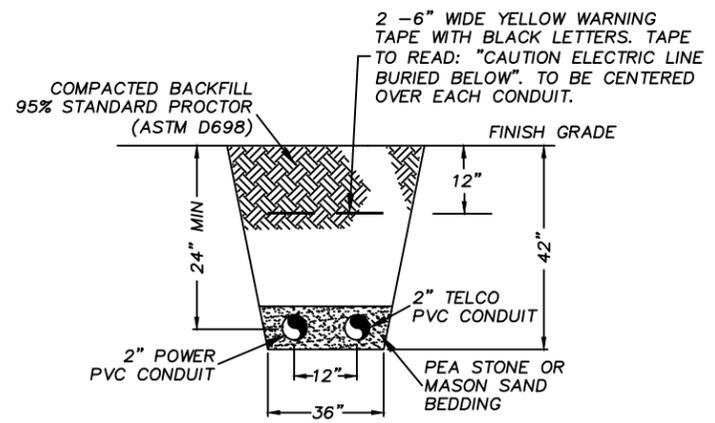
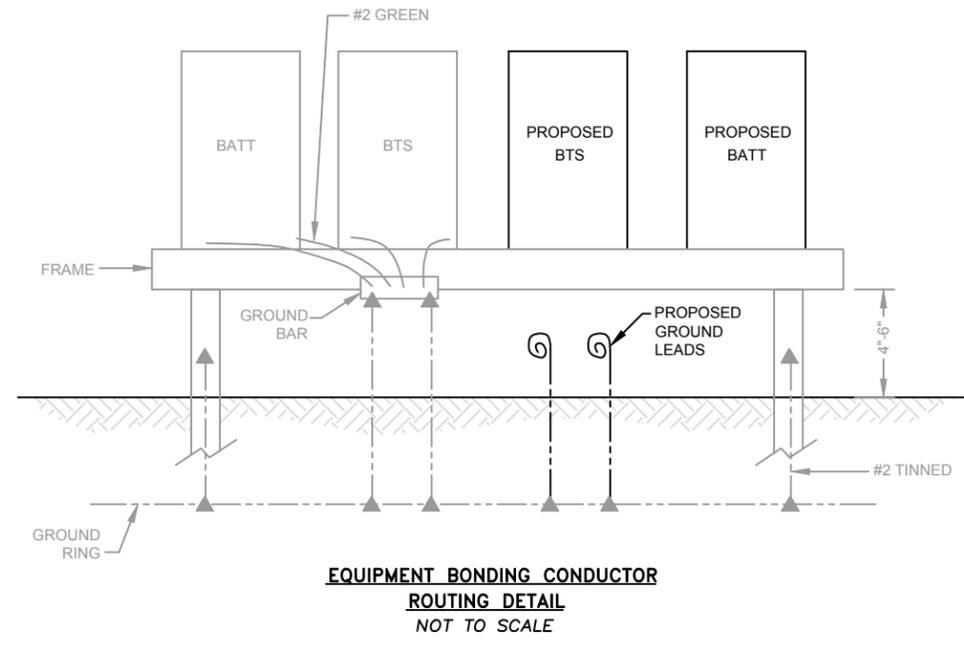
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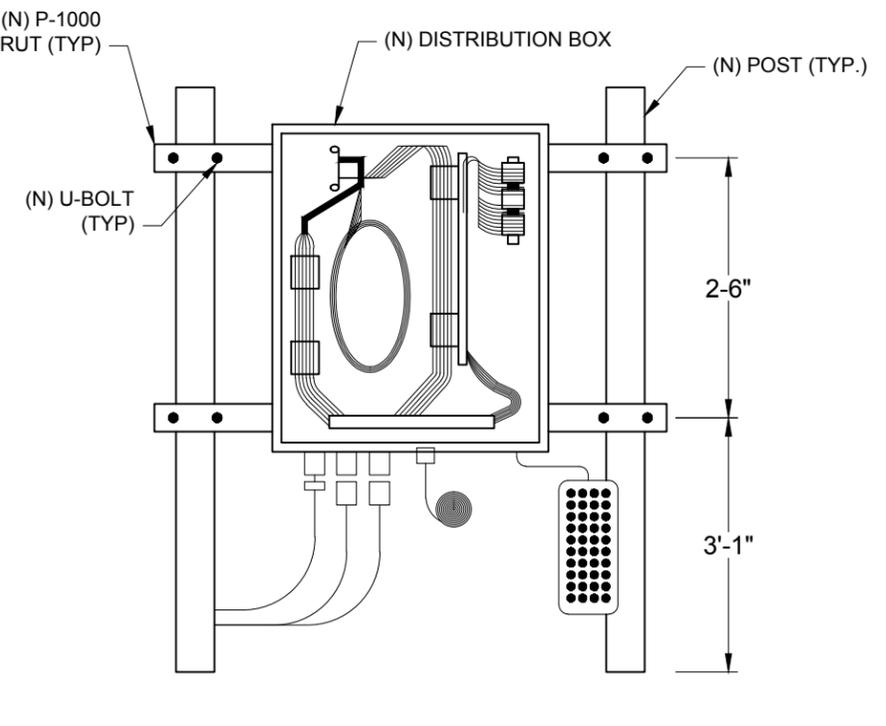
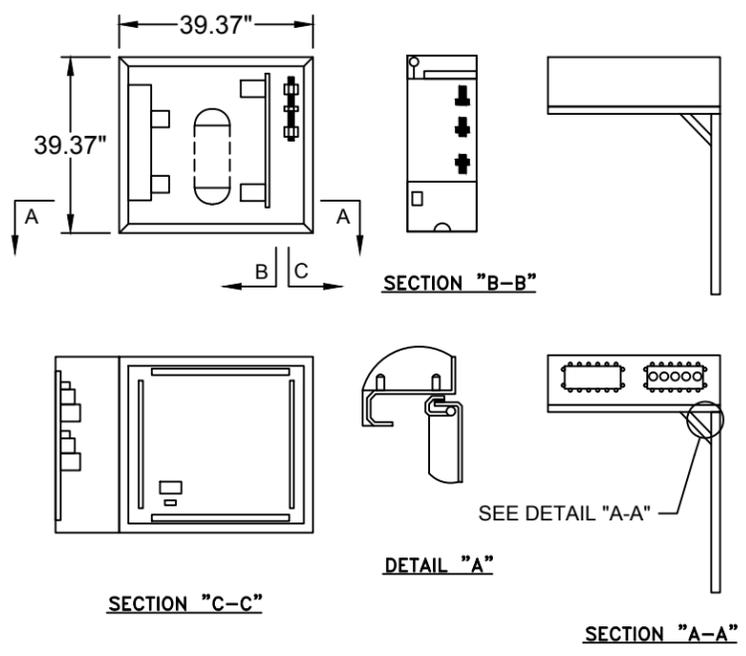
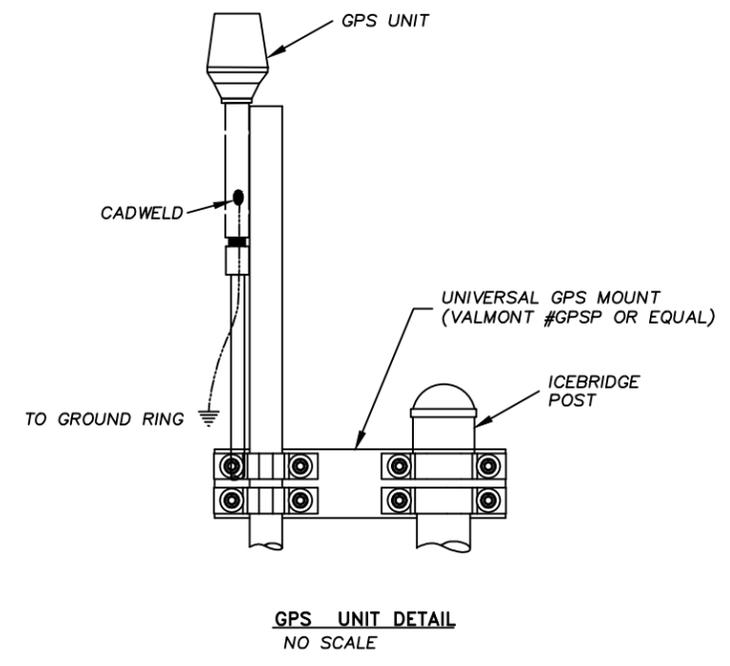
MISCELLANEOUS DETAILS SHEET  
D-3



**TRENCHING DETAIL FOR CONDUIT ROUTING**  
NOT TO SCALE

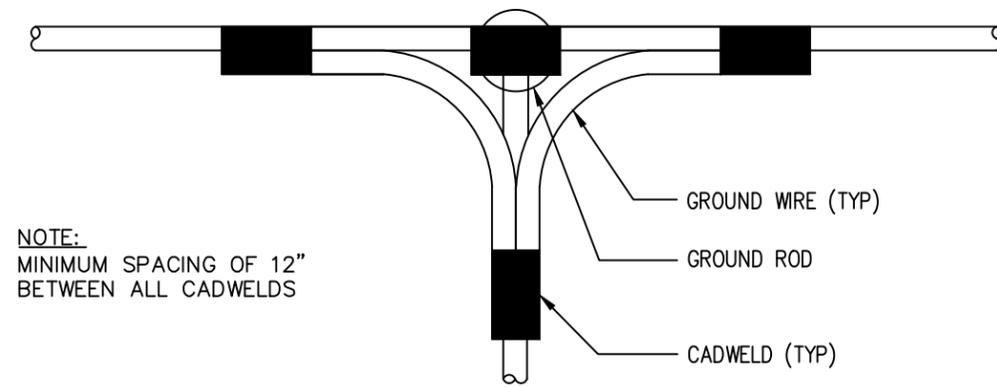
**NOTE:**

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



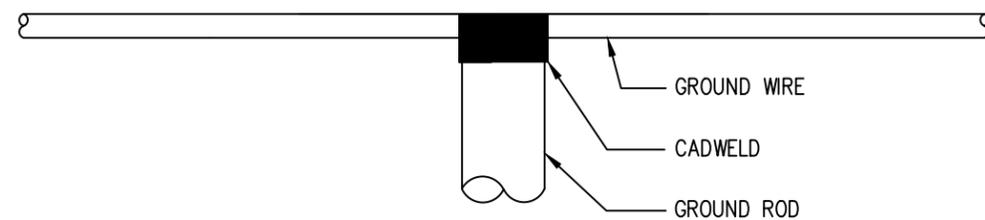
**DISTRIBUTION BOX PLAN VIEW**  
NO SCALE

**DISTRIBUTION BOX ELEVATION VIEW**  
NO SCALE



NOTE:  
MINIMUM SPACING OF 12"  
BETWEEN ALL CADWELDS

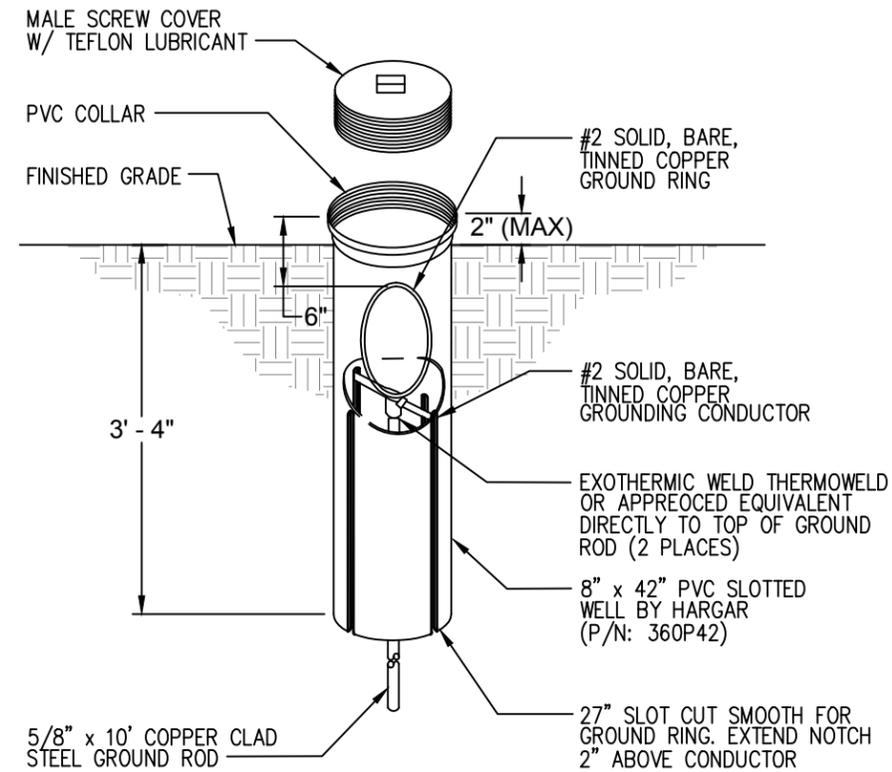
TOP VIEW



SIDE VIEW

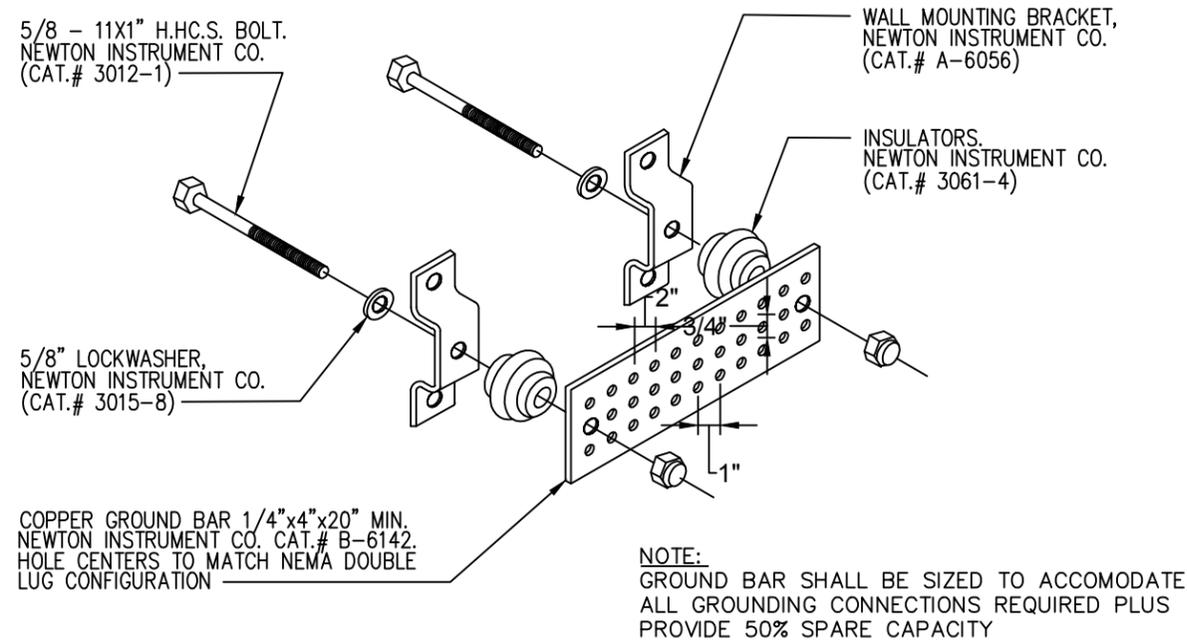
**CADWELD GROUNDING DETAIL**

SCALE: N.T.S



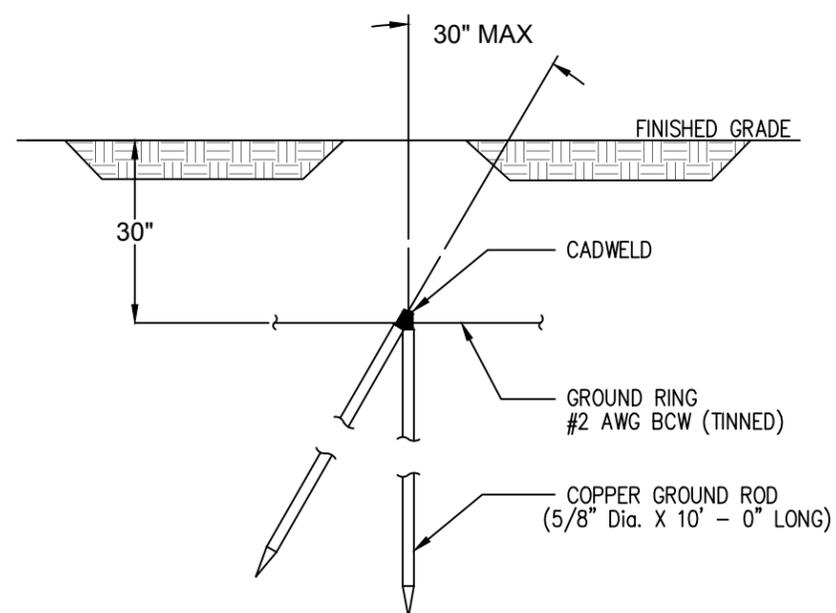
**GROUND ROD WITH INSPECTION WELL**

SCALE: N.T.S



**STANDARD GROUND BAR DETAIL**

SCALE: N.T.S



**COPPER-CLAD STEEL GROUND ROD**

SCALE: N.T.S



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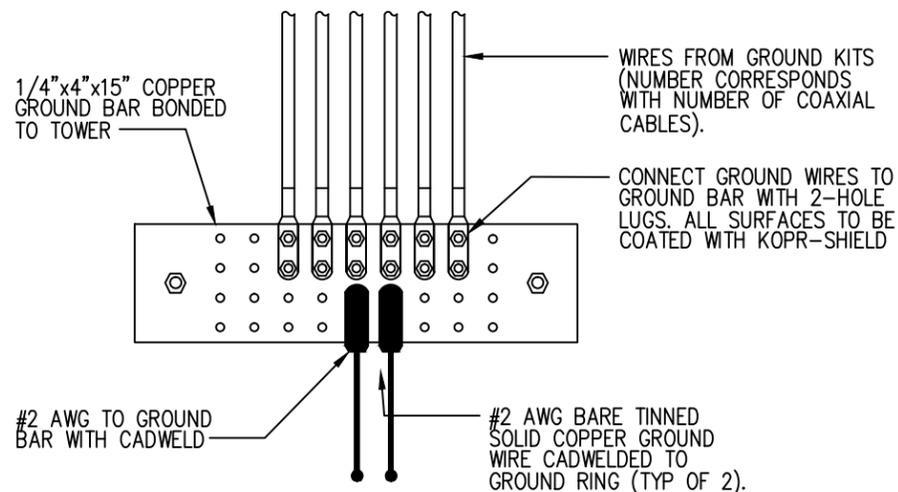
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TG PROJECT # 36603

GROUNDING PLAN

SHEET

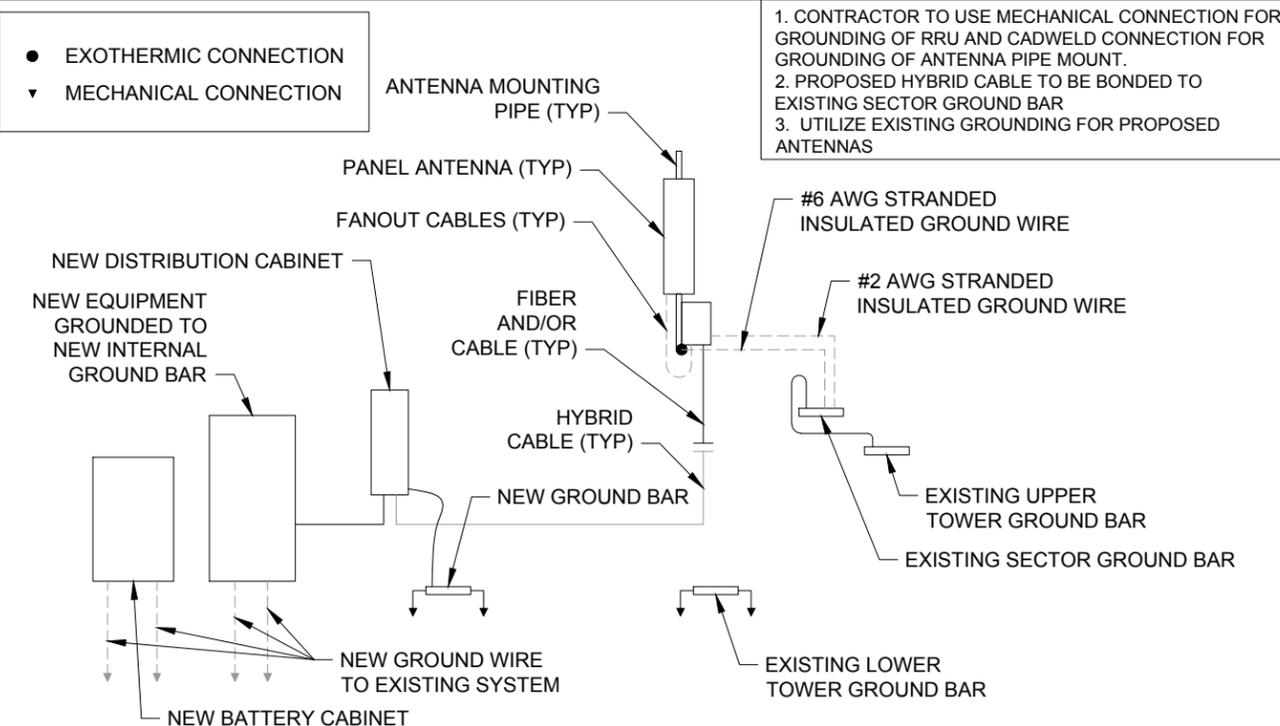
D-4



END VIEW

**LOWER GROUND BAR**

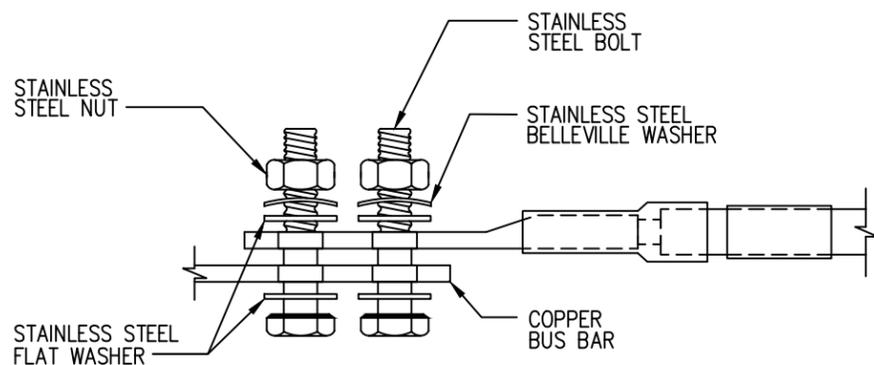
SCALE: N.T.S



1. CONTRACTOR TO USE MECHANICAL CONNECTION FOR GROUNDING OF RRU AND CADWELD CONNECTION FOR GROUNDING OF ANTENNA PIPE MOUNT.
2. PROPOSED HYBRID CABLE TO BE BONDED TO EXISTING SECTOR GROUND BAR
3. UTILIZE EXISTING GROUNDING FOR PROPOSED ANTENNAS

**GROUNDING RISER DIAGRAM**

SCALE: N.T.S

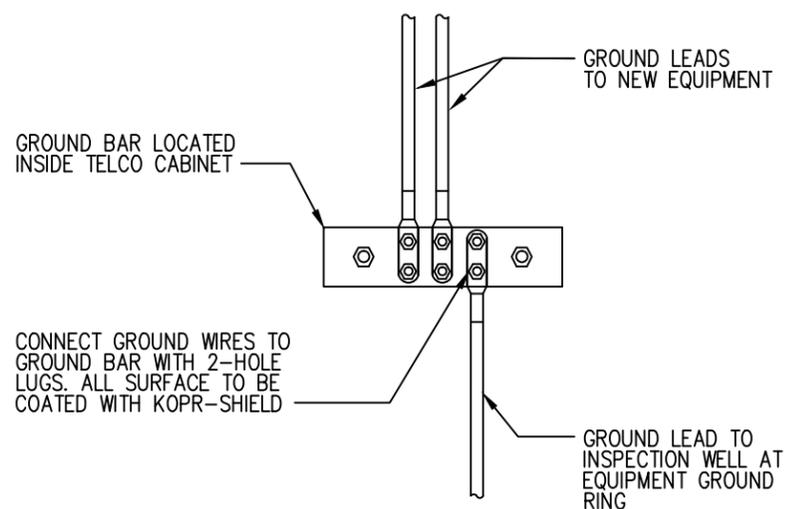


**NOTES:**

1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL, INCLUDING THE BELLEVILLE WASHERS. COAT ALL SURFACES WITH KOPR-SHIELD BEFORE MATING.
2. FOR GROUND BOND TO STEEL ONLY; INSERT A DRAGON TOOTH WASHER BETWEEN THE LUG AND STEEL. COAT ALL SURFACES WITH KOPR SHIELD

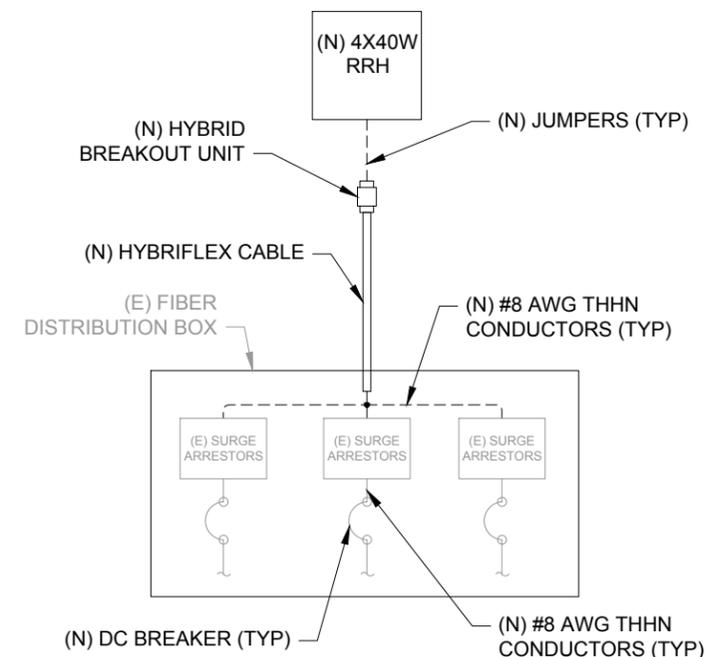
**LUG DETAIL**

SCALE: N.T.S



**GROUND BAR IN TELCO CABINET**

SCALE: N.T.S



**DC ONE-LINE DIAGRAM**

SCALE: N.T.S



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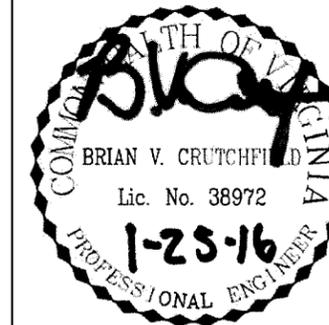
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TG PROJECT # 36603

GROUNDING PLAN SHEET  
D-5



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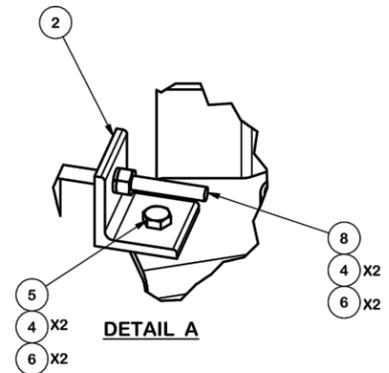
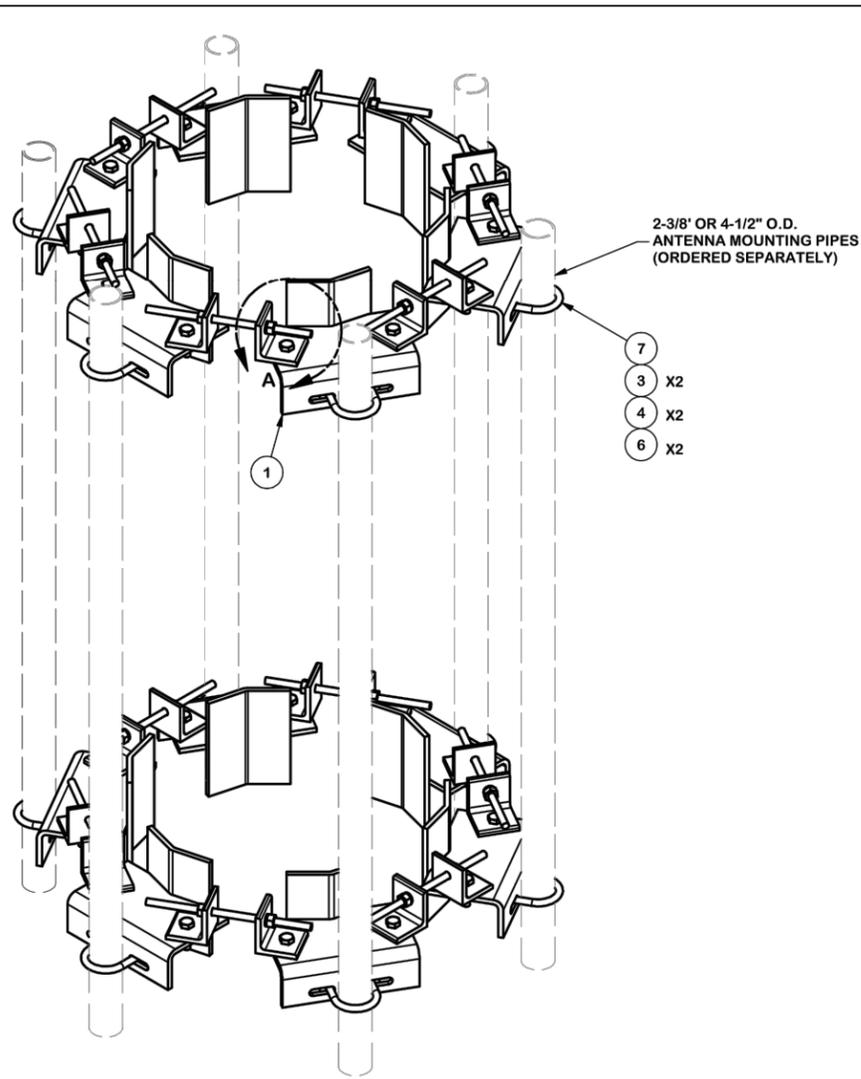
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6-SECTOR MOUNT DETAIL SHEET D-6



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 ( $\pm 0.060"$ )

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.

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
DWG. NO.		6CHMT	

**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

PAGE 1 OF 1

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

SITE NAME: GREENFIELD

SITE NUMBER: CV821

SITE ADDRESS:  
5029 ROCKFISH VALLEY HWY  
NELLYSFORD, VA 22938

PROPERTY OWNER:  
FRIEDA D. KIER, JACQUELIN KIER, &  
MARY BARBARA WHITE  
TM: 22-4-60

COUNTY: NELSON COUNTY

LATITUDE: N37° 54' 50.4"

LONGITUDE: W78° 50' 40.3"

NO.	REVISION/ISSUE	DATE
1	ZONING DRAWINGS	4/16/15
2	FRA DRAWINGS	11/24/15
3	FCD DRAWINGS	1/25/16



**TIMMONS GROUP**  
YOUR VISION ACHIEVED THROUGH OURS.

VIRGINIA | NORTH CAROLINA

THIS DRAWING PREPARED AT THE  
CHARLOTTESVILLE OFFICE  
919 2nd Street, S.E.  
Charlottesville, VA 22902  
TEL 434.327.1683  
FAX 434.295.8317  
www.timmons.com

Site Development | Residential | Infrastructure | Technology  
36603

TG PROJECT # 36603

GENERAL NOTES	SHEET D-7
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Existing View



**GREENFIELD CV821**

5029 Rockfish Valley Hwy  
Nellysford, VA 22938

**EQUIPMENT CHANGE OUT  
SIMULATION**

View from southwest of site



Existing View



**GREENFIELD CV821**

5029 Rockfish Valley Hwy  
Nellysford, VA 22938

**EQUIPMENT CHANGE OUT  
SIMULATION**

View from southwest of site

