

## COLUMBIA RIVER GORGE COMMISSION DIRECTOR'S DECISION

**CASE FILE:** C19-0001

**PROPOSAL:** The Columbia River Gorge Commission has received an application for modifications to an existing communications facility including removing three existing panel and antennas and remote radio units (RRUs), and the installation of 6 new antennas and RRUs, two surge protectors and one hybrid cable.

**APPLICANT:** Corrine Albrecht, for Verizon & Centerline Solutions

**LANDOWNER:** Barbara C. Sexton

**LOCATION:** The subject parcel is located at 20 Balch Road, Lyle, Washington, in the North West Quarter of Section 28, Township 3 North, Range 12 East, W.M., Klickitat County Tax Lot Number 03-12-2800-0006/00. The parcel is 83 acres in size.

### LAND USE

**DESIGNATION:** The subject parcel is located in the General Management Area and designated Small-Scale Agriculture.

### DECISION:

Based upon the following findings of fact, the land use application by Corinne Albrecht for Verizon and Centerline Solutions, for modifications to an existing communications facility including removal of equipment and installation of new equipment, is consistent with the standards of Section 6 and the purposes of the Columbia River Gorge National Scenic Area Act, P.L. 99-663, the Management Plan for the Columbia River Gorge National Scenic Area (Management Plan), and approvable under Commission Rule 350-81, and is hereby **APPROVED**.

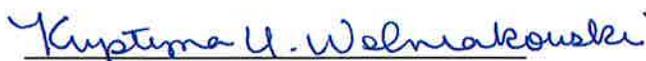
### CONDITIONS OF APPROVAL:

The following conditions of approval are given to ensure that the subject request is consistent with the standards of Section 6 and the purposes of P.L. 99-663, and the Management Plan and approvable under Commission Rule 350-81. Compliance with them is required. **This decision must be recorded in county deeds and records to ensure notice of the conditions to all successors in interest** (Management Plan, Review Uses Guideline 1, pg. II-96).

1. To ensure notice of the conditions to successors in interest, this Director's Decision, Staff Report for C19-0001, and an approved site plan shall be recorded in county deeds and records at the Klickitat County Auditor's Office. Once recorded, the applicants shall submit a copy of the recorded documents to the Executive Director.
2. This decision does not exempt the proposal from other non-Scenic Area rules and regulations. It is the applicant's responsibility to ensure the use complies with all other applicable federal, state, and county laws and to obtain necessary approvals, including utility easement approvals.

3. Any new land uses or structural development such as residences, garages, workshops, or other accessory structures, additions or alterations, or grading not included in the approved application or site plan will require a new application and review.
4. The development shall be constructed as shown on the approved project description, site plan and elevation drawings. Any changes shall be reviewed and approved by the Executive Director before the changes are implemented.
5. The new antennas shall match the dark gray color and the flat, low reflective finish of the antennas approved in C15-0010. Any changes to the final color selection and finish shall be submitted to and approved by the Gorge Commission staff prior to painting.
6. No outdoor lighting is approved in this Director's Decision. Any future proposed outdoor lighting shall be submitted for review and approval by the Executive Director prior to installation.
7. If cultural resources are discovered during construction activities, all activities within 100 feet of the cultural resources shall immediately cease and the applicants shall notify the Gorge Commission within 24 hours of discovery and the State Physical Anthropologist, Dr. Guy Tasa at (360) 586-3534 or [guy.tasa@dahp.wa.gov](mailto:guy.tasa@dahp.wa.gov). The cultural resources shall remain as found and further disturbance is prohibited until permission is granted by the Executive Director of the Gorge Commission.
8. If human remains are discovered during construction activities, all activities shall cease immediately upon their discovery. Local law enforcement, the Executive Director and Indian Tribal governments shall be contacted immediately. Further disturbance is prohibited until permission is granted by the Executive Director of the Gorge Commission.
9. The applicant shall notify the Gorge Commission within 30 days of project completion to arrange for an inspection to confirm compliance with conditions of approval. Project completion means completion of all work on exteriors of structures (including painting).

DATED AND SIGNED THIS 13 day of June 2019 at White Salmon, Washington.



Krystyna U. Wolniakowski  
Executive Director

**EXPIRATION OF APPROVAL:**

Commission Rule 350-81-044 governs the expiration of this Director's Decision.

***This decision of the Executive Director becomes void on the 13 day of June 2021 unless construction has commenced in accordance with Commission Rule 350-81-044(4).***

Commission Rule 350-81-044(4) specifies that commencement of construction means actual construction of the foundation or frame of the approved structure.

Construction must be completed within two years of the date that the applicant commenced construction. The date of the Executive Director's preconstruction inspection to confirm the location of proposed structural development as required by this decision shall be considered the date the applicant commenced construction, unless the applicant demonstrates otherwise.

Once the applicant has commenced construction of one element in this decision, the applicant will need to complete all elements in this decision in accordance with Commission Rule 350-81-044. The Commission does not use different "commencement of construction" dates for different elements in this decision.

The applicant may request one 12-month extension of the time period to commence construction and one 12-month extension to complete construction in accordance with Commission Rule 350-81-044(6). The applicant must submit the request in writing prior to the expiration of the approval. If the applicant requests an extension of time to complete construction after commencing construction, the applicants shall specify the date construction commenced. The Executive Director may grant an extension upon determining that conditions, for which the applicants were not responsible, would prevent the applicants from commencing or completing the proposed development within the applicable time limitation. The Executive Director shall not grant an extension if the site characteristics and/or new information indicate that the proposed use may adversely affect the scenic, cultural, natural or recreation resources in the National Scenic Area.

**APPEAL PROCESS:**

*The appeal period ends on the 13 day of July 2019.*

The decision of the Executive Director is final unless the applicant or any other person who submitted comment files a Notice of Intent to Appeal and Petition with the Commission within thirty (30) days of the date of this decision. Information on the appeal process is available at the Commission office.

**NOTES:**

Any new land uses or structural development such as driveways, parking areas, garages, workshops, fences or other accessory structures; or additions or alterations not included in the approved application or site plan will require a new application and review. New cultivation also requires a new application and review.

This decision does not address local, state, or federal requirements that may be applicable to the proposed development. The landowner is responsible for obtaining all applicable county, state, or federal permits required for the development.

cc:

Confederated Tribes and Bands of the Yakama Nation  
Confederated Tribes of the Umatilla Indian Reservation  
Confederated Tribes of Warm Springs Reservation of Oregon  
Nez Perce Tribe  
U.S. Forest Service National Scenic Area Office  
Washington Department of Archaeology and Historic Preservation  
Klickitat County Planning Department  
Klickitat County Building Department  
Klickitat County Public Works Department  
Klickitat County Health Department  
Klickitat County Assessor  
Washington Natural Heritage Program  
Washington Department of Fish and Wildlife  
Friends of the Columbia Gorge

Attachments:

Staff Report for C19-0001  
Approved site plan



**PTL ROCKY FLAT**  
20 BALCH ROAD  
LYLE, WASHINGTON 98635

## CONSTRUCTION DRAWINGS



### PROJECT SUMMARY

THIS PROJECT INCLUDES THE FOLLOWING SCOPE OF WORK:

1. PROPOSED MODIFICATION OF AN EXISTING TELECOMMUNICATIONS FACILITY.
2. PROPOSED REMOVAL OF (3) EX. PANEL ANTENNAS, (6) EX. RRU's
3. INSTALLATION OF (6) PANEL ANTENNAS W/ RET EQUIPMENT AS REQUIRED, (6) REMOTE RADIO UNITS (RRUs), (2) SURGE PROTECTORS ((1) MOUNTED NEAR GROUND EQUIPMENT, (1) MOUNTED NEAR ANTENNAS) AND (1) HYBRID CABLES.

### GOVERNING CODES

#### GOVERNING CODES

IBC-2015, INTERNATIONAL BUILDING CODE W/ LOCAL AMENDMENTS

NEC-2014, NATIONAL ELECTRICAL CODE

#### A.D.A. COMPLIANCE

INSTALLATION IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS IS NOT REQUIRED PER A.D.A.

### SITE INFORMATION

**SITE NAME:** PTL ROCKY FLAT  
**SITE ADDRESS:** 20 BALCH ROAD  
LYLE, WASHINGTON 98635

**LATITUDE:** 45° 43' 13.72" N (45.720478° N)  
**LONGITUDE:** 121° 19' 12.90" W (-121.32026° W)  
**SOURCE:** AS-BUILTS

**PARCEL NUMBER:** 03-12-2800-0006/00  
**ZONING CLASSIFICATION:** GR GENERAL RURAL  
**JURISDICTION:** KLIKITAT COUNTY  
**GROUND ELEVATION:** 789' AMSL  
**TOP OF (E) STRUCTURE:** 76' AGL

**OCCUPANCY GROUP:** U  
**CONSTRUCTION TYPE:** II-B

### PROJECT VICINITY MAP



### DRIVING DIRECTIONS

#### FROM VERIZON WIRELESS PORTLAND, OREGON OFFICE:

1. HEAD SOUTH-WEST ON NE 122ND AVE TOWARD NE WHITAKER WAY, AND TURN LEFT TO MERGE ONTO I 84 E/ US-30 E TOWARD TROUTDALE/HOOD RIVER (1.5 MI)
2. FOLLOW I-84 E TO BUTTON BRIDGE RD/ MT. HOOD HWY IN HOOD RIVER. TAKE EXIT 64 FROM I-84 (54 MI)
3. TAKE WA-14 AND OLD HWY 8/OLD HWY NUMBER 8 TO YOUR DESTINATION IN KLIKITAT COUNTY

**ESTIMATED TIME:** 74 MINUTES  
**ESTIMATED DISTANCE:** 67 MILES

### PROJECT CONTACTS

**APPLICANT**  
VERIZON WIRELESS  
5450 NE 122ND AVE  
PORTLAND, OR 97230

**PROPERTY OWNER**  
BARBARA SEXTON  
P.O. BOX 952 LYLE, WA 98635  
509.365.5374

**TOWER OWNER**  
BONNEVILLE POWER ADMINISTRATION  
TIM MURRAY  
360.619.6328

**CONSTRUCTION ENGINEER**  
VERIZON WIRELESS  
185 MAPLE STREET  
EUGENE, OR 97402  
PH: 541-401-0001

**ZONING AND PERMITTING CONSULTANT**  
CENTERLINE SOLUTIONS  
8623 NE 78TH COURT, SUITE B1  
PORTLAND, OR 97218  
CORRINE ALBRECHT  
PH: 971.270.1930, EXT. #5003

**SITE ACQUISITION CONSULTANT**  
CENTERLINE SOLUTIONS  
8623 NE 78TH COURT, SUITE B1  
PORTLAND, OR 97218  
CORRINE ALBRECHT  
PH: 971.270.1930, EXT. #5003

**STRUCTURAL ENGINEER**  
VECTOR STRUCTURAL ENGINEERING, LLC  
651 W GALENA PARK BLVD, SUITE 101  
DRAPER, UT 84020  
WELLS L. HOLMES, S.E.  
PH: 801.990.1775  
WWW.VECTORSE.COM

**ENGINEER OF RECORD**  
CENTERLINE SOLUTIONS  
16035 TABLE MOUNTAIN PARKWAY  
GOLDEN, CO 80403  
KRISTOPHER SCOTT, P.E.  
PH: 303.993.3293

### DRAWING INDEX

SHEET	DESCRIPTION
T1.0	TITLE SHEET
A1.0	OVERALL SITE PLAN
A1.1	ENLARGED SITE PLAN
A2.0	ELEVATION & DETAILS
A3.0	ANTENNA PLANS & EQUIPMENT SCHEDULE
A4.0	EQUIPMENT DETAILS
A4.1	EQUIPMENT DETAILS
RF1.0	RF DETAILS
GN1.0	GENERAL NOTES

**APPROVED**  
*Yaw*

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO VERIZON WIRELESS CORPORATION SERVICES IS STRICTLY PROHIBITED.

### FINAL CONSTRUCTION DRAWINGS SIGN OFF

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED

CONSULTANT	SIGNATURE	DATE
SITE ACQUISITION		
PERMITTING CONSULTANT		
RF ENGINEER:		
CONST. MNGR.		
OPS MNGR.		
PROJECT MNGR		
REGULATORY REV.		
DEV. MNGR.		

### DRAWING LEGEND

	SUBJECT PROPERTY LINE
	ADJACENT PROPERTY LINE
	COAX ROUTE
	HYBRID CABLE ROUTE
	OVERHEAD TELCO ROUTE
	OVERHEAD FIBER ROUTE
	OVERHEAD POWER ROUTE
	UNDERGRND. TELCO ROUTE
	UNDERGRND. FIBER ROUTE
	UNDERGRND. POWER ROUTE
	FIBER / POWER ROUTE
	NEW / EXISTING FENCE
	ELEVATION MARKER
	DETAIL REFERENCE
	SECTION MARKER



CP PROJECT NO.: VER-18-0022-9

PRELIMINARY			
NO	DATE	DC	DESCRIPTION
10	11-28-18	N/PI/PT	90% CD REVIEW
SUBMITTAL			
NO	DATE	DC	DESCRIPTION
9	12-05-18	VP/AT	BP SUBMITTAL

**SITE NAME:**  
PTL ROCKY FLAT

**SITE ADDRESS:**  
20 BALCH ROAD  
LYLE, WASHINGTON 98635

**SHEET TITLE**  
TITLE SHEET

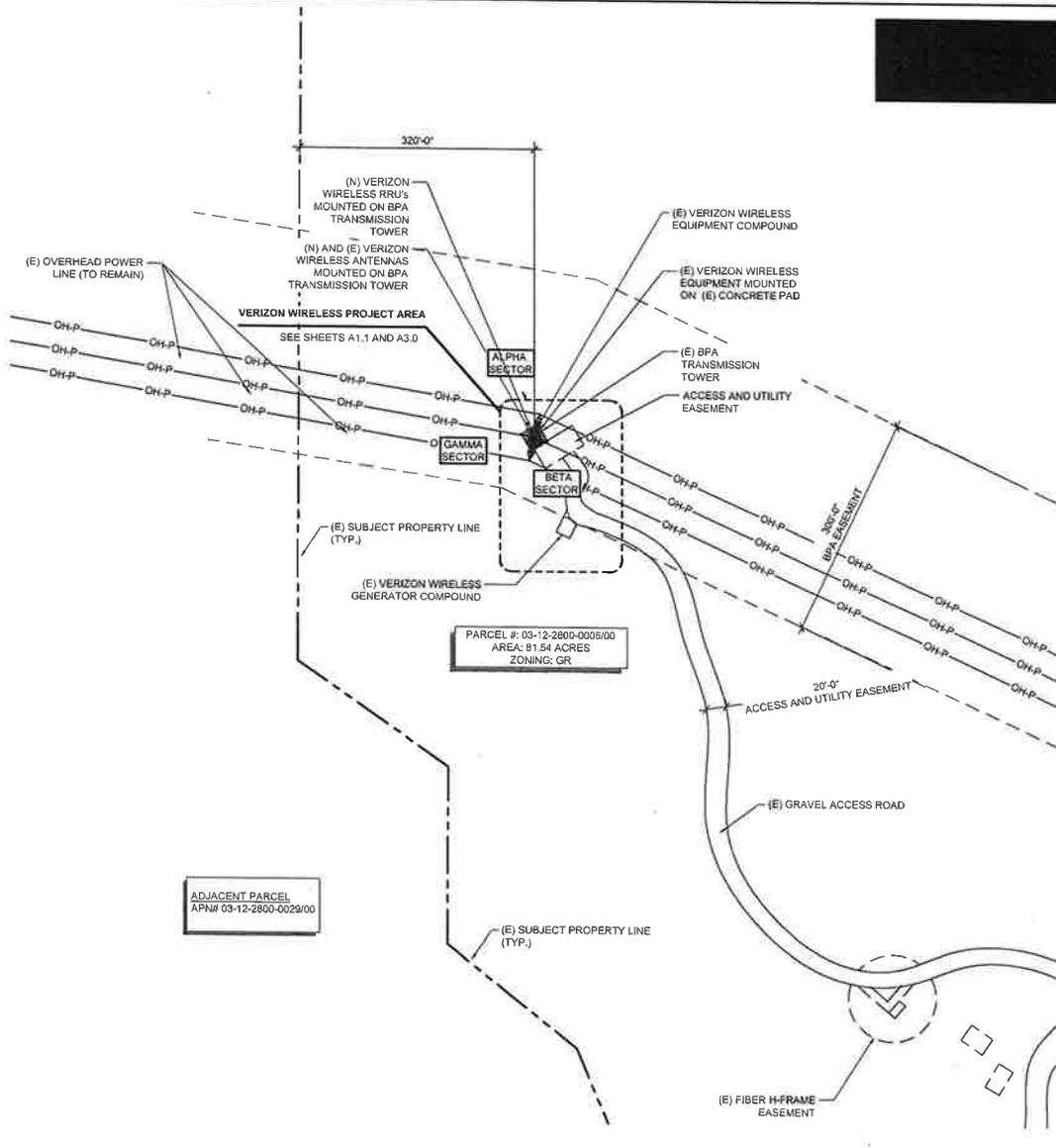
**SHEET NO.**  
T1.0



Know what's below.  
Call before you dig.

**NOTES & REQUIREMENTS**

1. NO SITE WORK CAN BEGIN UNTIL THE BPA REIMBURSABLE AGREEMENT IS SIGNED BY BOTH PARTIES AND THE REQUIRED FUNDING IS RECEIVED BY BPA.
2. NO SITE WORK CAN COMMENCE UNTIL BPA HAS ISSUED AND APPROVED A FINAL SET OF CONSTRUCTION DRAWINGS, THE CONTRACTOR IS REQUIRED TO HAVE A COPY OF THE "APPROVED FOR CONSTRUCTION" DRAWINGS ON SITE AT ALL TIMES.
3. A DESIGNATED BPA REPRESENTATIVE MUST BE ON SITE AT ALL TIMES THAT WORK IS BEING DONE BY THE CONTRACTOR, THIS REQUIREMENT CAN BE MODIFIED ONLY WITH THE APPROVAL OF THE BPA PROJECT ENGINEER.
4. THE LOCATION OF THE CONDUIT AND RESULTING FIBER MUST BE MARKED BY BPA-PROVIDED OMNI BALLS USING APPROVED BPA PROTOCOLS AND STANDARDS. FURTHER THE CONTRACT IS REQUIRED TO INSTALL MARKER POSTS WITH PROPER DECALS AND CONTACT NUMBERS. THE DESIGNATED BPA REPRESENTATIVE WILL PROVIDE THE OMNI BALLS AND WILL OVERSEE THE PLACEMENT OF THE OMNI BALLS AND PLACEMENT OF THE MARKER POSTS.
5. SPECIAL CARE NEEDS TO BE TAKEN BY THE CONTRACTOR IN THE VICINITY OF THE TOWER SO THAT DAMAGE IS NOT DONE TO THE GROUNDING SYSTEMS THAT ARE LOCATED AROUND FENCING AND EQUIPMENT PADS OF THE EXISTING WIRELESS GROUND FACILITIES. FURTHER CARE MUST BE TAKEN TO AVOID DAMAGE TO THE CATHODIC PROTECTION SYSTEM THAT EXTENDS OUTWARD FROM EACH TOWER LEG. THE DESIGNATED BPA REPRESENTATIVE WILL PROVIDE GUIDANCE ON OVERSIGHT TO HELP ASSURE THAT THESE UNDERGROUND SYSTEMS ARE NOT COMPROMISED.
6. NO TRACER WIRE OR ANY METALLIC OBJECTS ARE TO BE INSTALLED IN OR IN PROXIMITY TO THE INSTALLED CONDUITS ON BPA FEE PROPERTY OR WITHIN BPA RIGHTS-OF-WAY.
7. ALL FIBER OPTIC IS TO BE DIELECTRIC - NO METALLIC COMPONENT WITHIN OR ADJACENT TO THE INSTALLED FIBER IS ALLOWED ON BPA FEE PROPERTY OR WITHIN BPA RIGHTS-OF-WAY.
8. NO INSTALLATION OF THE FIBER OPTIC CABLE IS ALLOWED UNLESS THERE IS A DESIGNATED BPA REPRESENTATIVE ON SITE.
9. IF ANY GROUNDS OR WIRE LEADS ARE DAMAGED WORK NEEDS TO STOP AND THE DESIGNATED BPA REPRESENTATIVE WILL PROVIDE GUIDANCE. ANY DAMAGE TO THE #40 STRANDED COPPER GROUND RINGS NEEDS TO BE REPAIRED USING EXOTHERMIC WELDS - NOT MECHANICAL REPAIRS ARE ALLOWED. THE DESIGNATED BPA ON-SITE REPRESENTATIVE WILL PROVIDE GUIDANCE ON HOW REPAIRS ARE TO BE MADE.
10. A FINAL SET OF "AS-BUILT" CDS MUST BE PROVIDED TO BPA IF THERE ARE ANY CHANGES MADE FROM WHAT IS APPROVED ON THE CONSTRUCTION DRAWINGS.
11. THE CONTRACTOR IS REQUIRED TO PROVIDE SUITABLE PORTABLE TOILET FACILITIES TO BE ON SITE AT ALL TIMES THAT WORK IS BEING DONE.
12. THE CONTRACTOR NEEDS TO PROVIDE THE BPA PROJECT MANAGER A SCHEDULE FOR THIS WORK AT LEAST 3-DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION.
13. WORK IS AUTHORIZED ONLY DURING NORMAL WORKING HOURS FROM 7:00 AM - UNTIL DUSK. NO NIGHT WORK IS AUTHORIZED UNLESS APPROVED IN ADVANCE BY THE BPA PROJECT MANAGER.
14. SITE MUST BE RETURNED TO THE PRE-EXISTING CONDITIONS OR BETTER FOLLOWING CONSTRUCTION. ALL EXCESS MATERIALS WILL BE REMOVED AND THE SITE WILL BE LEFT IN GOOD CONDITION.
15. CONTRACTOR IS REQUIRED TO MEET ALL LOCAL JURISDICTION REQUIREMENTS DEALING WITH TRAFFIC CONTROLS.
16. BPA WILL REQUIRE A PRE-CONSTRUCTING MEETING JUST PRIOR TO THE START OF ANY AND ALL GROUND WORK. THE BPA PROJECT MANAGER AND BPA'S ON-SITE OVERSIGHT PERSON WILL ATTEND. NO WORK IS AUTHORIZED UNTIL THIS PRE-CONSTRUCTION/SAFETY MEETING IS CONDUCTED BY BPA. ADDITIONAL SAFETY ITEMS MAY BE ADDED AT THE PRE-CONSTRUCTION MEETING.



CP PROJECT NO.: VER-18-0022-9

PRELIMINARY			
NO.	DATE	BY	DESCRIPTION
0	11-26-18	VPI/AP1	90% CD REVIEW
SUBMITTAL			
NO.	DATE	BY	DESCRIPTION
0	12-05-18	VPI/AP1	BP SUBMITTAL

**SITE NAME:**  
PTL ROCKY FLAT

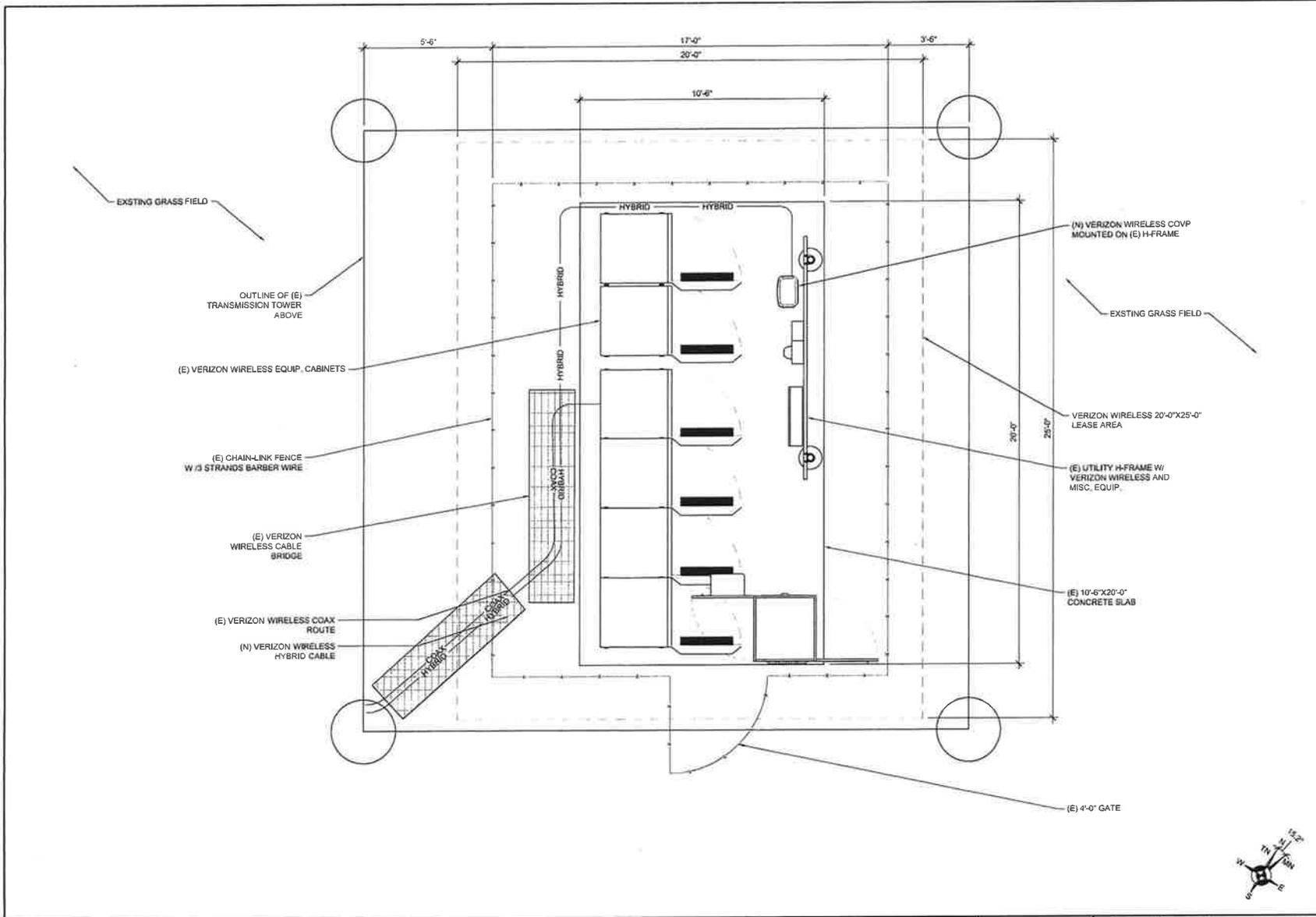
**SITE ADDRESS:**  
20 BALCH ROAD  
LYLE, WASHINGTON 98635

**SHEET TITLE**  
OVERALL  
SITE PLAN

**SHEET NO.**  
A1.0

**1 OVERALL SITE PLAN**





CP PROJECT NO.: VER-16-0022-9

**PRELIMINARY**

NO.	DATE	DC	DESCRIPTION
0	11-26-18	VPI/AT	90% CD REVIEW

**SUBMITTAL**

NO.	DATE	DC	DESCRIPTION
0	12-05-18	VPI/AT	BP SUBMITTAL

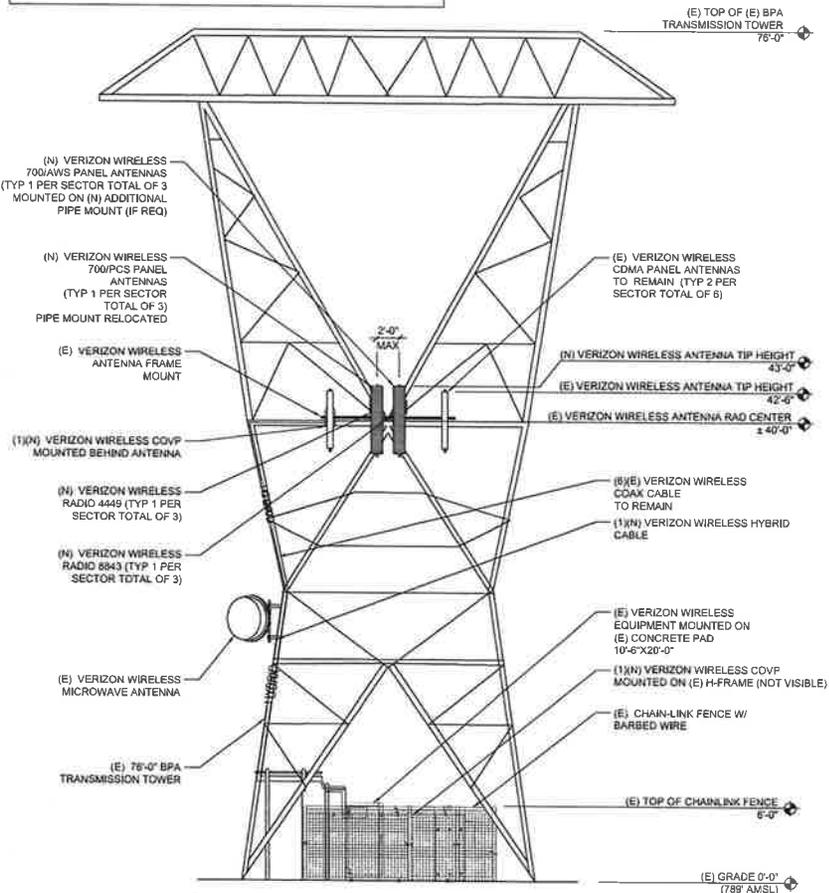
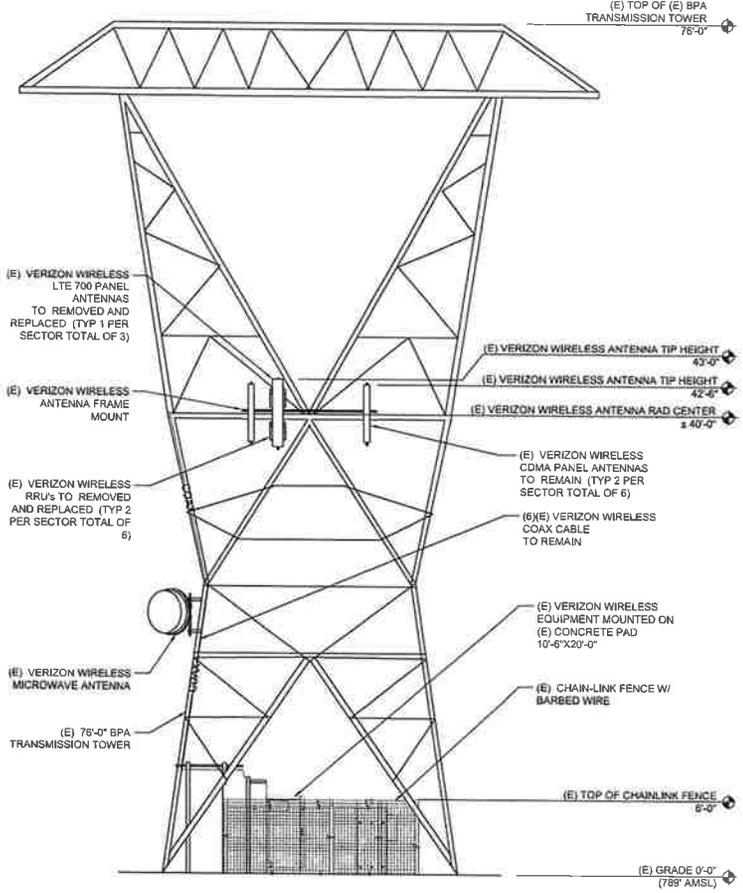
**SITE NAME:**  
PTL ROCKY FLAT

**SITE ADDRESS:**  
20 BALCH ROAD  
LYLE, WASHINGTON 99635

**SHEET TITLE**  
ENLARGED  
SITE PLAN

**SHEET NO.**  
**A1.1**

**STRUCTURAL NOTES / VERIZON**  
**STRUCTURAL SERVICES COMPLIANCE NOTE:**  
 NO WORK SHALL COMMENCE WITHOUT THE APPROVED STRUCTURAL TOWER/ANTENNA MOUNT ANALYSIS REPORT (SIGNED AND SEALED) TO BE PROVIDED UNDER SEPARATE COVER. CONTRACTOR PRIOR TO CONSTRUCTION SHALL REVIEW THE APPROVED TOWER/ANTENNA MOUNT ANALYSIS REPORT SUPPLIED BY VERIZON AND MODIFY IF REQUIRED ALL APPLICABLE MEMBERS AS INDICATED IN CERTIFIED STRUCTURAL REPORT PRIOR TO INSTALLATION ON STRUCTURE.



1 (E) SOUTHEAST ELEVATION SCALE: 3/32" = 1'-0" (11X17) SCALE: 3/16" = 1'-0" (22X34)

2 (P) SOUTHEAST ELEVATION SCALE: NTS NOT TO SCALE



CP PROJECT NO.: VER-18-0022-9

PRELIMINARY

NO.	DATE	BY	DESCRIPTION
D	11-26-18	VPIAT	80% CD REVIEW

SUBMITTAL

NO.	DATE	BY	DESCRIPTION
D	12-05-18	VPIAT	BP SUBMITTAL

**SITE NAME:**  
 PTL ROCKY FLAT

**SITE ADDRESS:**  
 20 BALCH ROAD  
 LYLE, WASHINGTON 98635

**SHEET TITLE**  
 ELEVATION & DETAILS

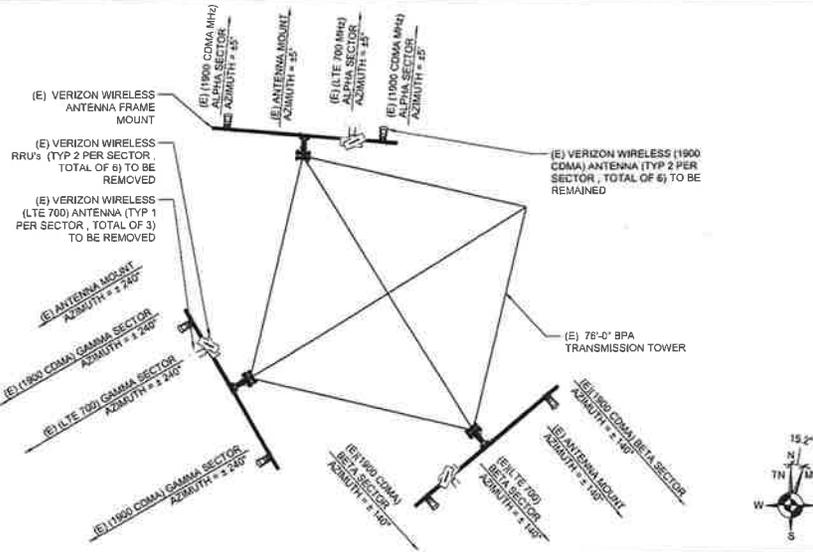
**SHEET NO.**  
 A2.0

### ANTENNA AND ANCILLARY EQUIPMENT SCHEDULE

SECTION	QTY	IN/REV	SERVICE TYPE	ANTENNA MODEL # OR EQUIPMENT SPECIFICATION	DIMENSIONS	WEIGHT	TIP HEIGHT	AZIMUTH	MECH. DOWN/TILT	ELEC. DOWN/TILT	CABLE QUANTITY	CABLE TYPE
ALPHA	1	(N)	AWS/700	JMA M006FT1665-02	12.2"W X 10.7"D X 71.3"L	51 LBS	43.0'	5°	0°	0°/2°	1 (N)	1.50" HYBRID
	1	(N)	700PCS	JMA M006FT1665-02	12.2"W X 10.7"D X 71.3"L	51 LBS	43.0'	5°	0°	0°		
	2	(E)	1900 CDMA	ANTEL BSA-185065/10	3.9"W X 2.0"D X 60.2"L	7.3 LBS	42.5'	2°	0°	0°	12 (E)	7/8" COAX
	1	(N)	700BS0	ERICSSON RADIO 4448	15.0"W X 9.3"D X 13.2"L	70 LBS						
	1	(N)	AWS/PCS	ERICSSON RADIO 8843	15.0"W X 9.3"D X 13.2"L	70 LBS						
	1	(N)		SURGE PTC/CL. OVP BOX (RCMOC-6021-PF-48)	16.5"W X 12.8"D X 29.5"L	32 LBS						
BETA	1	(N)	AWS/700	JMA M006FT1665-02	12.2"W X 10.7"D X 71.3"L	51 LBS	43.0'	140°	1°	2°/1°		
	1	(N)	700PCS	JMA M006FT1665-02	12.2"W X 10.7"D X 71.3"L	51 LBS	43.0'	140°	1°	2°/1°		
	2	(E)	1900 CDMA	ANTEL BSA-185065/10	6.3"W X 2.0"D X 60.2"L	8.1 LBS	42.5'	140°	1°	2°		
	1	(N)	700BS0	ERICSSON RADIO 4448	15.0"W X 9.3"D X 13.2"L	70 LBS						
	1	(N)	AWS/PCS	ERICSSON RADIO 8843	15.0"W X 9.3"D X 13.2"L	70 LBS						
GAMMA	1	(N)	AWS/700	JMA M006FT1665-02	12.2"W X 10.7"D X 71.3"L	51 LBS	43.0'	240°	1°	2°/1°		
	1	(N)	700PCS	JMA M006FT1665-02	12.2"W X 10.7"D X 71.3"L	51 LBS	43.0'	240°	1°	2°/1°		
	2	(E)	1900 CDMA	ANTEL BSA-185065/10	6.3"W X 2.0"D X 60.2"L	8.1 LBS	42.5'	240°	1°	2°		
	1	(N)	700BS0	ERICSSON RADIO 4448	15.0"W X 9.3"D X 13.2"L	70 LBS						
	1	(N)	AWS/PCS	ERICSSON RADIO 8843	15.0"W X 9.3"D X 13.2"L	70 LBS						
GROUND	1	(N)		SURGE PTC/CL. OVP BOX (RCMOC-6021-PF-48)	16.5"W X 12.8"D X 29.5"L	32 LBS						

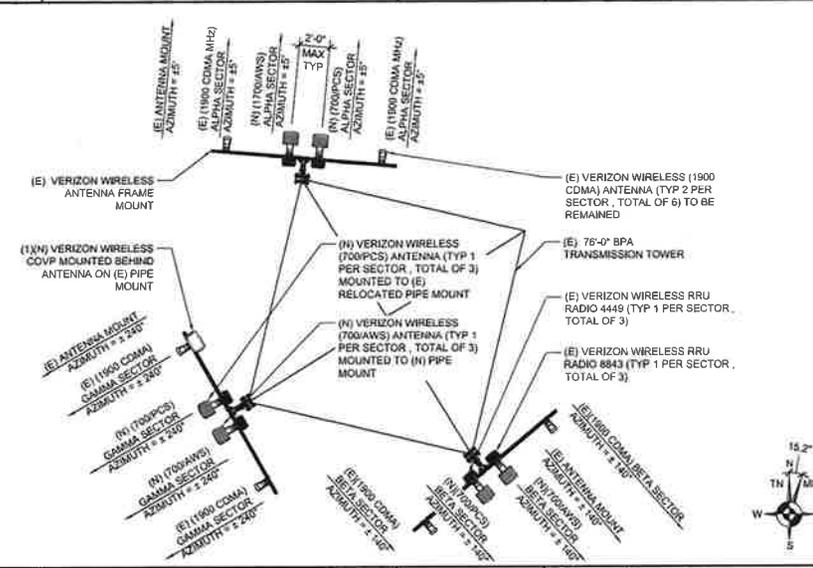
**NOTES:**

- PM/GC TO VERIFY PAINTING REQUIREMENTS WITH JURISDICTION PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.
- TOWER AND ANTENNA MOUNT PLATFORM / ASSEMBLY STRUCTURAL ANALYSIS TO BE PERFORMED BY OTHERS. VERIZON WIRELESS INSTALLATION SHALL NOT START UNTIL GC RECEIVES COPY OF APPROVED STRUCTURAL ANALYSIS OR ASSESSMENT.
- CONTRACTOR RESPONSIBLE FOR PROVIDING TOWER RIGGING PLANS, SUBJECT TO OWNER APPROVAL.
- REFER TO STRUCTURAL ANALYSIS FOR APPROVED HYBRID COAX CABLE PLACEMENT.



**2 ANTENNA PLAN - EXISTING**

SCALE: 1/8" = 1'-0" (11X17)  
SCALE: 1/4" = 1'-0" (22X34)



**3 ANTENNA PLAN - PROPOSED**

SCALE: 1/8" = 1'-0" (11X17)  
SCALE: 1/4" = 1'-0" (22X34)

**1 ANTENNA AND COAX/FIBER SCHEDULES**

SCALE: NTS  
SCALE: NTS



CP PROJECT NO.: VER-16-0022-6

PRELIMINARY			
NO.	DATE	BY	DESCRIPTION
0	11-25-18	VPI/AT	80% CD REVIEW
SUBMITTAL			
NO.	DATE	BY	DESCRIPTION
0	12-05-18	VPI/AT	BP SUBMITTAL

**SITE NAME:**  
PTL ROCKY FLAT

**SITE ADDRESS:**  
20 BALCH ROAD  
LYLE, WASHINGTON 98635

**SHEET TITLE**  
ANTENNA PLANS & EQUIP. SCHEDULE

**SHEET NO.**  
A3.0

# Product Specifications

COMMSCOPE®



**RCMDC-6627-PF-48**  
Raycap OVP box for 12 RRU's, 12 strikeorb modules, voltage indicator, large box, UL

## Product Classification

Portfolio: CommsScope®  
Product Type: Outdoor junction box  
Regional Availability: North America

## Construction Materials

Material Type: High impact polycarbonate, UV resistant

## Dimensions

Depth: 320.04 mm | 12.60 in  
Height: 749.30 mm | 29.50 in  
Width: 419.10 mm | 16.50 in  
Weight: 14.51 kg | 32.00 lb

## Environmental Specifications

Environmental Space: Indoor | Outdoor  
Qualification Standards: IEC 60529:2001 IP67

## General Specifications

Application: Used as a high-power junction box  
Color: Gray  
Includes: Mounting kit  
Mount Type: Pipe, 44 - 114 mm (1.75 - 4.5 in) OD | Wall

## Mechanical Specifications

Cable Entry, quantity, maximum, bottom b

## Regulatory Compliance/Certifications

Agency	Classification
UL/ETL Certification RoHS 2011/65/EU ISO 9001:2008	Compliant Designed, manufactured and/or distributed under the quality management system

# RADIO 4449 - B13 + B5 4TX 4RX PER BAND

- 4 antenna ports 4TX/4RX for 2 bands with common RF ports
- Up to 320W RF Power shared between 2 bands

Band	Power	Carrier	Modulation	Frequency	Channel
B13	160W	10MHz	QPSK	1920-1980 MHz	10MHz
B5	160W	10MHz	QPSK	2100-2160 MHz	10MHz

- 4x20A fuse (2 power connectors, 2 or 3 wire)
- AISG TMA & RE1 support (2 bias, 1 1 ALD port)
- Type 4 J-10 Rf connectors
- 2 external alarms
- IP 66 -40 to +55 C



RADIO 4449

Portrait Mount Only



HIGH POWER RADIOS

SEARCH | CONTACT | MAIN

## 2 | RRH ERICSSON 4449 SPECIFICATION

SCALE: NTS

SCALE: NTS

# Radio 8843 - B2 + B66A (prev 4443) 4Tx 4RX per band

- 8 antenna ports 4TX/4RX for 2 bands with separate RF ports
- Up to 320W RF Power shared between 2 bands

Band	Power	Carrier	Modulation	Frequency	Channel
B2	160W	10MHz	QPSK	1920-1980 MHz	10MHz
B66A	160W	10MHz	QPSK	2100-2160 MHz	10MHz

- 4x20A fuse (2 power connectors, 2 or 3 wire)
- AISG TMA & RE1 support (2 bias, 1 1 ALD port)
- Type 4 J-10 Rf connectors
- 2 external alarms
- IP 66 -40 to +55 C

Preliminary



RADIO 8843

Portrait Mount Only

## 3 | RRH ERICSSON 8843 SPECIFICATION

SCALE: NTS

SCALE: NTS



CP PROJECT NO.: VER-18-0022-9

PRELIMINARY				
NO.	DATE	BY	DESCRIPTION	
0	11-26-18	VPIAT	90% CD REVIEW	
SUBMITTAL				
NO.	DATE	BY	DESCRIPTION	
0	12-05-18	VPIAT	BP SUBMITTAL	

SITE NAME:  
PTL ROCKY FLAT

SITE ADDRESS:  
20 BALCH ROAD  
LYLE, WASHINGTON 98635

SHEET TITLE  
EQUIPMENT  
DETAILS

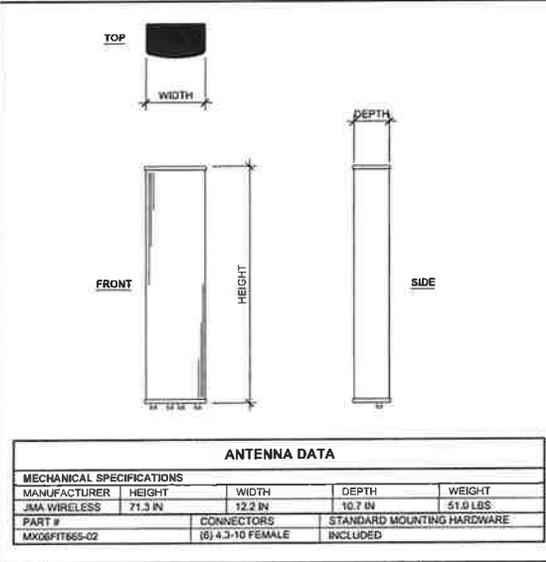
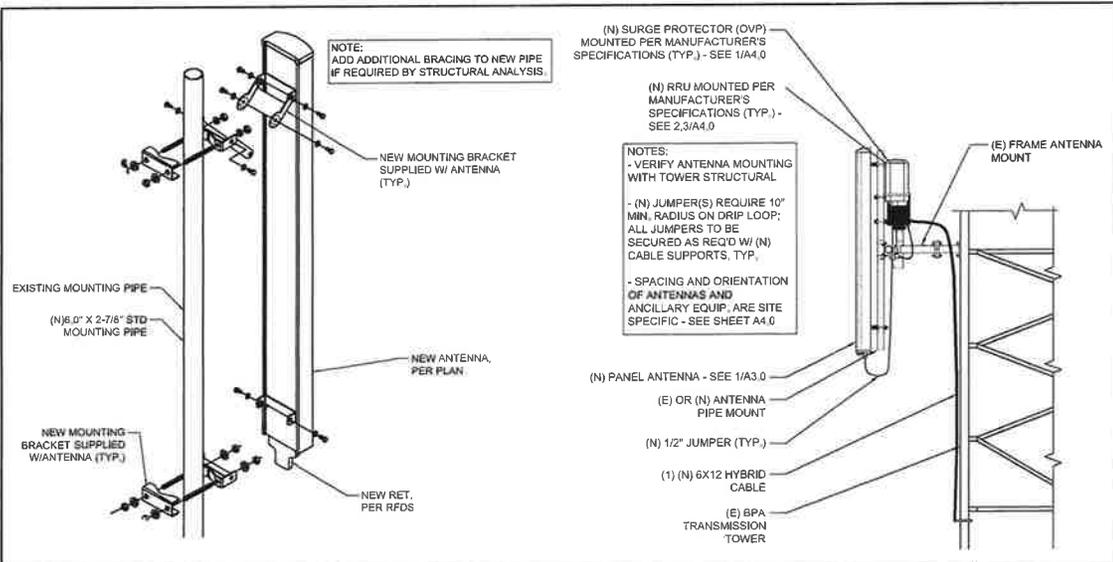
SHEET NO.

A4.0

## 1 | COVP SPECIFICATION

SCALE: NTS

SCALE: NTS



**verizon**

**CENTERLINE SOLUTIONS**

**KRISTOPHER JAMES SCOTT**  
STATE OF WASHINGTON  
REGISTERED PROFESSIONAL ENGINEER  
51322  
2/06/20

CP PROJECT NO.: VER-18-0022-9

1 ANTENNA MOUNTING DETAIL SCALE: NTS

2 ANTENNA SPECIFICATION SCALE: NTS

PRELIMINARY			
NO.	DATE	BY	DESCRIPTION
0	11-26-18	VPI/APT	50% CD REVIEW
SUBMITTAL			
NO.	DATE	BY	DESCRIPTION
0	12-05-18	VP/AT	BP SUBMITTAL

**SITE NAME:**  
PTL ROCKY FLAT

**SITE ADDRESS:**  
20 BALCH ROAD  
LYLE, WASHINGTON 98635

**SHEET TITLE**  
EQUIPMENT  
DETAILS

**SHEET NO.**  
**A4.1**

3 NOT USED SCALE: NTS

4 NOT USED SCALE: NTS

POR - ROCKY FLAT \_ANTENNA 20171017 [ 3 Sector - 4x4 RET RRH (700, PCS, AWS1, AWS3) + CDMA (1900) ]

October 29, 2018



CP PROJECT NO.: VER-18-0022-9

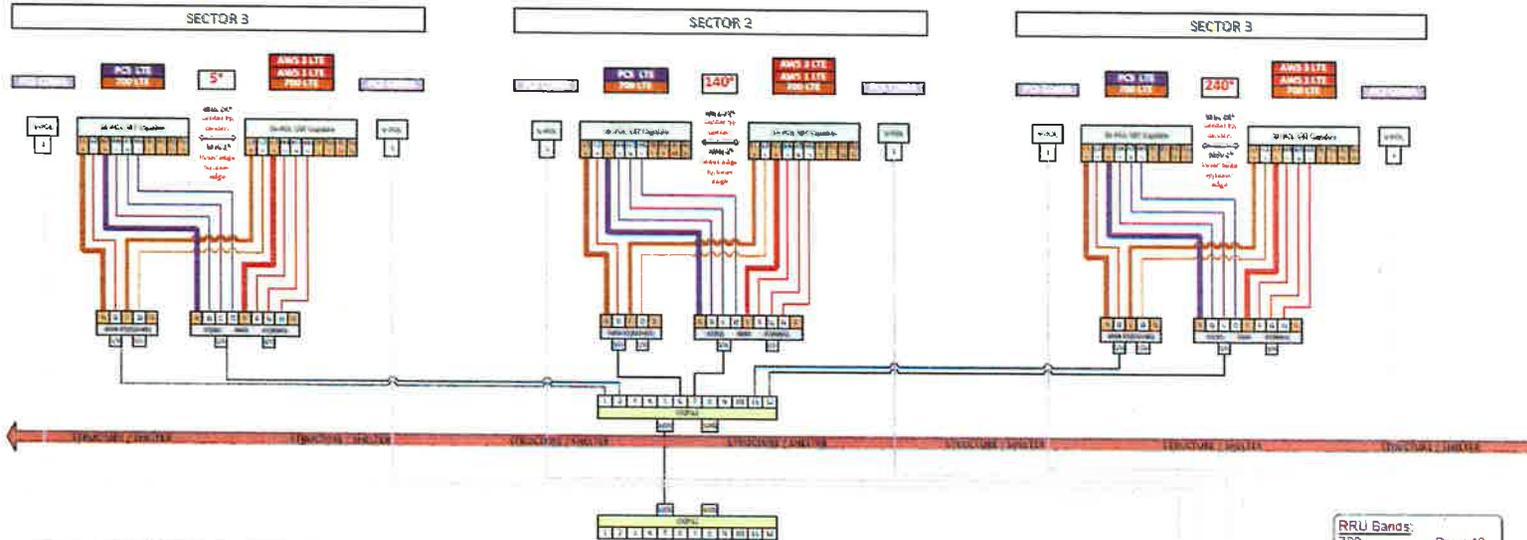
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0	11-28-18	VPIAP II	90% CD REVIEW	
SUBMITTAL				
NO.	DATE	BY	DESCRIPTION	
0	12-05-18	VPIAP II	BP SUBMITTAL	

SITE NAME:  
PTL ROCKY FLAT

SITE ADDRESS:  
20 BALCH ROAD  
LYLE, WASHINGTON 98655

SHEET TITLE  
RF DETAILS

SHEET NO.  
RF1.0



6630DB-4-3-1, AWS1 shown as split; both AWS1 & PCS split increase branches to 72 and cells to 18. other variation possible  
 from 6630 tab (6630-4-3-1)  
 or from 6630 tab (6630-4-3-5)

	B13	B4	B66	B2
6630DB-4-3-1				
Bandwidth (MHz)	10	up to 20	up to 10	up to 20
Tx or Rx	4	4	4	4

port	BB1	ABW	Branches		Cells	
			cont	split	cont	split
port A	700 alpha	40	4	4	1	1
port B	AWS/PCS alpha	200	12	16	3	4
port C						
port D						
port E						
port F	700 beta	40	4	4	1	1
port G	AWS/PCS beta	200	12	16	3	4
port H						
port J						
port K						
port L	700 gamma	40	4	4	1	1
port M	AWS/PCS gamma	200	12	16	3	4
port N						
port P						
port Q						
Total ABW		720	48	60	12	15



- RRU Bands:
- 700 ----- Band 13
  - AWS ----- Band 4
  - PCS ----- Band 2
  - 850 ----- Band 5
  - AWS-1/3 ----- Band 66A
  - CBRS ----- Band 48
  - LAA ----- Band 46

RET Control Path Note:  
 All Smart BiasT's (SST)/Internal BiasT's, or External AISG RET Controllers are driven by the BOLD coax/jumper pathways.

Example:  
 Antenna port 'L' driven by RRU port 'A'

## GENERAL NOTES

1. THE FACILITY IS AN UNOCCUPIED SPECIALIZED MOBILE RADIO FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A GRAPHIC REPRESENTATION OF THE FINAL INSTALLATION. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.
4. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
7. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE PROJECT MANAGER AND WITH LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 5 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE, AND KEEP SAME ON SITE WHENEVER ANY PERSONNEL ARE ON SITE.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER AND/OR LANDLORD.
12. ON A DAILY BASIS: KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
13. CONTRACTOR TO PROVIDE COMPLETE SET OF AS-BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
14. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
15. ASTM SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HERON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE PROSECUTION OF THIS WORK.
17. ALL ITEMS REMOVED OR DAMAGED DURING CONSTRUCTION WORK WILL BE REPLACED OR REPAIRED TO MATCH EXISTING.
18. ALL ELEMENTS OF EXISTING STRUCTURE TO REMAIN UNOBTURBED, UNLESS NOTED OTHERWISE. EXISTING STRUCTURE IS ASSUMED TO BE IN GOOD CONDITION, FREE OF DAMAGE OR DETERIORATION. CONTRACTOR TO VERIFY ALL ELEMENTS OF EXISTING STRUCTURE AFFECTED BY THIS MODIFICATION AND NOTIFY ENGINEER OF RECORD IF ANY DAMAGE, DETERIORATION OR DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DEPICTED ON THESE CONSTRUCTION DRAWINGS ARE FOUND.

## SPECIAL INSPECTION

1. IF REQUIRED, SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT SPECIAL INSPECTOR.
2. THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THEIR REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL AS EACH TEST IS COMPLETED.
3. ANY MATERIAL WHICH FAILS TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. SPECIAL INSPECTOR TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
4. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS FOR THE MATERIAL USED IF THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.
5. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT CERTIFYING THAT ALL WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PERMIT PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS.

## STRUCTURAL NOTES

### GENERAL STRUCTURAL NOTES:

1. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
2. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES.
3. NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS, BEAMS, OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC., UNLESS OTHERWISE NOTED. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.
4. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD VERIZON WIRELESS AND THE ARCHITECT/ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF VERIZON WIRELESS OR THE ARCHITECT/ENGINEER.
5. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND PEDESTRIANS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTION OF SUCH ITEMS.
6. ASTM SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
7. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOOR OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING/BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE PROSECUTION OF THIS WORK.
9. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
10. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
11. ALL ITEMS REMOVED DURING CONSTRUCTION WORK (I.E., DRYWALL, PLYWOOD, CEILING PANELS, ETC.) SHALL BE REPLACED TO MATCH EXISTING.

THE FOLLOWING REQUIREMENTS SHALL BE MET FOR SPECIAL INSPECTION:

- A. THE SPECIAL INSPECTOR SHALL BE UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER.
- B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE ARCHITECT/ENGINEER, AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT SIGNED BY BOTH HE AND HIS SUPERVISOR STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.
- D. COMPLY WITH ALL CITY SPECIAL INSPECTION REQUIREMENTS.

### STANDARD STRUCTURAL STEEL NOTES:

1. ALL METAL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATION GALVANIZED ASTM A123-A123M-02 UNLESS NOTED OTHERWISE.
2. STRUCTURAL TUBING MEMBERS SHALL CONFORM TO ASTM A500, GRADE A OR A501.
3. ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1 WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION.
4. BOLTED CONNECTIONS SHALL USE BEARING TYPE GALV. ASTM F3125 GRADE A325 BOLTS (5/8" DIA. UNO), GALV. PER ASTM F2329, AND SHALL HAVE A MINIMUM OF TWO BOLTS U.N.O. AND SHALL INCLUDE HEAVY-HEX NUTS AND STANDARD CUT WASHERS.
5. NON-STRUCTURAL CONNECTIONS FOR HANDRAIL, LADDERS AND STEEL GRATING MAY USE 5/8" DIA GALVANIZED ASTM A307 BOLTS U.N.O.
6. ALL STRUCTURAL PIPE ASTM A53, TYPE E OR S, GRADE B.

### SPECIAL INSPECTION:

1. IF REQUIRED, SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT SPECIAL INSPECTOR PER CODE FOR THE FOLLOWING ITEMS.
  - A. CONTINUOUS DURING THE INSTALLATION OF EXPANSION AND/OR ADHESIVE ANCHORS: INSPECT HOLE SIZE, DEPTH, CLEANLINESS, AND INSTALLATION PER ICC REPORT.

## DRAWING ABBREVIATIONS

APF	ABOVE FINISH FLOOR	LF	LINEAR FEET
AGL	ABOVE GRADE LEVEL	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MECH	MECHANICAL
AC	AIR CONDITIONING	MFR	MANUFACTURER
ADJ	ADJUSTABLE	MGR	MANAGER
APPROX	APPROXIMATELY	MIN	MINIMUM
AZ	AZIMUTH	MISC	MISCELLANEOUS
BLDG	BUILDING	MTL	METAL
CM	CONSTRUCTION MANAGER	MTZL	METALIZE(D)
CAB	CABINET	MW	MICROWAVE
CL	CENTERLINE	NEC	NATIONAL ELECTRICAL CODE
CLG	CEILING	NIC	NOT IN CONTRACT
CLR	CLEAR	NTS	NOT TO SCALE
CO	COPPER	NA	NOT APPLICABLE
CONC	CONCRETE	OC	ON CENTER
COND	CONDUIT	OD	OUTSIDE DIAMETER
CONST	CONSTRUCTION	OP	OVERHEAD POWER
CONT	CONTINUOUS	OT	OVERHEAD FIBER
CPM	CASCADIA PM	OPP	OPPOSITE
D/C	DRAFTER/CHECKER	PL	PROPERTY LINE
DEMO	DEMOLISH	PLYWD	PLYWOOD
DIA	DIAMETER	PM	PROJECT MANAGER
DIM	DIMENSION	PROJ	PROJECT
DN	DOWN	PROP	PROPERTY
DTL	DETAIL	PT	PRESSURE TREATED
DWG	DRAWING	RO	ROUGH OPENING
EA	EACH	ROW	RIGHT OF WAY
ELECT	ELECTRICAL	RRU	REMOTE RADIO UNIT
ELEV	ELEVATION	REQ	REQUIRED
EQ	EQUAL	SBTC	SOLID BARE TINNED COPPER
EQUIP	EQUIPMENT	SF	SQUARE FEET
EXT	EXTERIOR	SHT	SHEET
FIN	FINISH	SPEC	SPECIFICATION
FLR	FLOOR	SQ	SQUARE
FT	FOOT, FEET	SS	STAINLESS STEEL
GA	GAUGE	STL	STEEL
GALV	GALVANIZED	STRUCT	STRUCTURE, STRUCTURAL
GC	GENERAL CONTRACTOR	TOC	TOP OF CONCRETE
GWB	GYPSPUM WALL BOARD	TOM	TOP OF MASONRY
GR	GRADE	THRU	THROUGH
GRD	GROUND	TNND	TINNED
HVAC	HEATING, VENTING & AIR CONDITIONING	UBC	UNIFORM BUILDING CODE
HORIZ	HORIZONTAL	UG	UNDERGROUND
HT	HEIGHT	UNO	UNLESS NOTED OTHERWISE
IBC	INTERNATIONAL BUILDING CODE	UP	UNDERGROUND POWER
ID	INSIDE DIAMETER	UF	UNDERGROUND FIBER
IN	INCH	VIF	VERIFY IN FIELD
INSUL	INSULATION	VERT	VERTICAL
INT	INTERIOR	WP	WATERPROOF
JBOX	JUNCTION BOX	W	WITH
LB(S)	POUND(S)	W/O	WITHOUT



CP PROJECT NO.: VER-18-0022-9

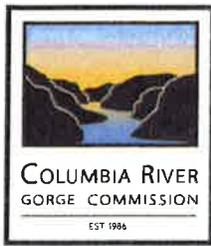
PRELIMINARY			
NO.	DATE	DOC	DESCRIPTION
0	11-26-18	VP/PT	90% CD REVIEW
SUBMITTAL			
NO.	DATE	DOC	DESCRIPTION
0	12-05-18	VP/PT	BP SUBMITTAL

**SITE NAME:**  
PTL ROCKY FLAT

**SITE ADDRESS:**  
20 BALCH ROAD  
LYLE, WASHINGTON 98635

**SHEET TITLE**  
GENERAL  
NOTES

**SHEET NO.**  
GN1.0



## STAFF REPORT

- Case File:** C19-0001
- Proposal:** The Columbia River Gorge Commission has received an application for modifications to an existing communications facility including removing three existing panel antennas and remote radio units (RRUs), and the installation of 6 new antennas and RRUs, two surge protectors and one hybrid cable.
- Applicant:** Corrine Albrecht, for Verizon & Centerline Solutions
- Landowner:** Barbara C. Sexton
- Location:** The subject parcel is located at 20 Balch Road, Lyle, Washington, in the North West Quarter of Section 28, Township 3 North, Range 12 East, W.M., Klickitat County Tax Lot Number 03-12-2800-0006/00. The parcel is 83 acres in size.
- Land Use Designation:** The subject parcel is located in the General Management Area and designated Small-Scale Agriculture.

### COMMENTS FROM INDIVIDUALS/AGENCIES/GOVERNMENTS:

Notice of the subject request was mailed to property owners within 200 feet of the subject parcel and the following organizations/agencies/governments:

Confederated Tribes and Bands of the Yakama Nation  
Confederated Tribes of the Umatilla Indian Reservation  
Confederated Tribes of Warm Springs Reservation of Oregon  
Nez Perce Tribe  
U.S. Forest Service National Scenic Area Office  
Washington Department of Archaeology and Historic Preservation  
Klickitat County Planning Department  
Klickitat County Building Department  
Klickitat County Public Works Department  
Klickitat County Health Department  
Klickitat County Assessor  
Skamania County  
Washington Natural Heritage Program  
Washington Department of Fish and Wildlife  
Friends of the Columbia Gorge

Written comments were received from Steven McCoy, Friends of the Columbia River Gorge.

## FINDINGS OF FACT:

### A. Land Use

1. Corrine Albrecht has applied for modifications to an existing communications facility including: removal of three existing panel antennas and six existing Remote Radio Units (RRUs); installation of six new panel antennas; six new RRUs; two surge protectors, one mounted near ground equipment and one mounted near the antennas; and one new hybrid cable.
2. The project adds to an existing communications facility at 20 Balch Road, Lyle, WA, north of Balch Lake. The existing facility is located on an 83.02-acre parcel, and designated Small-Scale Agriculture in the GMA.
3. Commission Rule 350-81-182 allows uses listed in the "Expedited Review Process" (Commission Rule 350-81-050) on lands designated Small-Scale Agriculture in the GMA. Commission Rule 350-81-050(1)(r)(C) allows:

*New antennas and associated support structures necessary for public service on existing wireless communication poles and towers other than those allowed outright, provided the size is the minimum necessary to provide the service.*

The existing communications facility was approved in 2007 for installation on an existing BPA transmission tower (see Director's Decision C07-0015-K-G-21). Modifications were made to the facility in Director's Decision's C15-0010. The existing antennas measure 75".0 x 12.1" x 7.0". The new antennas proposed for the tower measure 71.3" x 12.2" X 10.7" and are comparable to the dimensions to the antennas they replace. The RRUs proposed for the tower measure 13.2" x 15.0" x 9.3" and are located behind the new antennas. The applicant stated that the new antennas and RRUs will improve existing service in the area by providing new frequencies and by allowing Verizon's engineers to adjust the antennas without climbing the tower. The proposed development to modify an existing aboveground and overhead facility by removing three existing antennas and six existing RRUs and installing six new antennas and six new RRUs with associated support structures is eligible for expedited review, consistent with Commission Rule 350-81-050(1)(r)(C).

#### Conclusion:

The proposed development is an allowed expedited review use, subject to compliance with the guidelines in Commission Rule 350-81-052 that protect scenic, cultural, natural and recreation resource treaty rights.

### B. Scenic Resources

1. Commission Rule 350-81-052(1)(a)(B) states:

*Except signs, the colors of structures topographically visible from key viewing areas shall be dark earth-tones found at the specific site or the surrounding landscape. The specific colors or list of acceptable colors shall be included as a condition of approval. This guideline shall not apply to additions, which may match the color of existing buildings.*

The proposed new development is located on the property at 20 Balch Road, Lyle, WA, at an approximate elevation of 820 feet, forty feet above ground level on the tower. The tower on the site is visible in the middle ground (1 to 3 miles) and background (greater than three miles) from several Key Viewing Areas (KVAs) to the south including Old Highway 8, SR 14, SR 141, the Columbia River, I-84, the Historic Columbia River Highway, and Rowena Crest. Topographic analysis using Google Earth shows that the development site is not screened by intervening topographic features for any KVA. A site visit on May 23<sup>rd</sup>, 2019 confirmed that the tower is visible from several KVAs.

Director's Decisions C07-0015 and C15-0010 both determined that a dark gray finish on the antennas would be appropriate to meet the scenic standards in place at that time, and both included conditions of approval requiring the antennas installed in those developments to be dark gray. The proposed new antennas and RRUs are required to be dark gray, identical to the existing color, or the applicant will be required to submit a new color selection to the Gorge Commission staff for approval prior to painting. As proposed by the applicant and with this condition in place, the development request is consistent with Commission Rule 350-81-052(1)(a)(B).

2. Commission Rule 350-81-052(1)(a)(C) states:

*Except signs, structures topographically visible from key viewing areas shall use low or non-reflective building materials, including roofing, gutters, vents and chimneys.*

A condition of approval is included in the Director's Decision to require a flat, low reflective finish consistent with Commission Rule 350-81-052(1)(a)(C).

3. Commission Rule 350-81-052(1)(a)(D) states:

*Outdoor lights shall be directed downward and sited, hooded, and shielded such that they are not highly visible from key viewing areas. Shielding and hooding materials shall be composed of non-reflective, opaque materials.*

The applicant has not requested any outdoor lights as part of the proposed development. Commission Rule 350-81-052(1)(a)(D) does not apply.

4. Commission Rule Commission Rule 350-81-052(1)(a)(F). states:

*Structures within one-half mile of a key viewing area and topographically visible from the key viewing area shall be sited, screened and/or designed to achieve the applicable scenic standard (e.g., visual subordination, not visually evident).*

The proposed development is at least one mile away from any KVA. The nearest KVA is the segment of Old Highway 8 in the designated SMA land, 1.18 miles to the west. As such, Commission Rule 350-81-052(1)(a)(F) does not apply.

#### Conclusion:

The proposed development is consistent with the expedited review guidelines for scenic resources in Commission Rule 350-81-052.

### C. Cultural Resources

1. Commission Rule 350-81-052(1)(b) includes cultural resource protection provisions for uses eligible for the expedited review process. It states:

(A) *The expedited development review process shall only be used to review proposed development that does not require a reconnaissance survey, pursuant to 350-81-54(1)(c)(A) or historic survey, pursuant to 350-81-540(1)(c)(B).*

(B) *The GMA guidelines that protect cultural resources and human remains discovered during construction [350-81-540(6) and (7)] shall be applied as conditions of approval for all development approved under the expedited development review process.*

Chris Donnermeyer, Heritage Resources Program Manager for the Columbia River Gorge National Scenic Area, provided a cultural resources survey determination for the proposed development on January 31<sup>st</sup>, 2019. Mr. Donnermeyer determined that the proposed development does not require a reconnaissance survey or historic survey pursuant to Commission Rules 350-81-540(1)(c)(A) and (B) because the proposed use: (1) would not disturb the ground; (2) occurs on a site that has been previously disturbed by human activities; (3) occurs on a site that has been adequately surveyed in the past; (4) does not occur within 500 feet of a known archaeological site; (5) would not alter the exterior architectural appearance of significant buildings and structures that are 50 years old or older; and (6) would not compromise features of the surrounding area that are important in defining the historic or architectural character of significant buildings or structures that are 50 years old or older.

#### Conclusion:

With conditions to protect unknown cultural resources or human remains discovered during construction, the proposed development is consistent with the cultural resource guidelines for expedited review in Commission Rule 350-81-052(1)(B).

### D. Natural Resources

1. Commission Rule 350-81-052(1)(d) lists natural resource protection guidelines for expedited review uses. To qualify for the expedited review process, Commission Rule 350-81-052(1)(d)(A)(i) requires that new development is located outside buffer zones for wetlands, streams, rivers, ponds, and lakes, except for lot line adjustments or development located inside road, utility or railroad rights-of-way or easements that have been previously disturbed and regularly maintained.

There are no wetlands on the site. According to the Gorge Commission's resource inventories, the closest wetlands are located approximately 860 feet south-southwest of the project site, at Balch Lake. Pursuant to Commission Rule 350-81-560(7)(c), the maximum buffer for a wetland in the GMA is 150 feet. Intermittent streams originate below the elevation of the communication site, approximately 550 feet northwest from the communication site. Pursuant to Commission Rule 350-81-570(7), intermittent streams require 50-foot buffers. The proposed development is located more than 150 feet from any wetland, and more than 50

feet from the ordinary high-water mark of any stream. The proposed development is located outside the buffer zones of wetlands, streams, rivers, ponds, or lakes.

Additionally, the development is located within a fenced area that has been used and maintained as a BPA transmission site as well as a communications site. As such, the site has been previously disturbed and regularly maintained.

The proposed development is consistent with 350-81-052(1)(d)(A)(i).

2. Commission Rule 350-81-052(1)(d)(B) contains expedited review guidelines to protect sensitive wildlife and sensitive plants. It requires eligible development to meet one of the following circumstance:

- (I) *The development is at least 1,000 feet from known sensitive wildlife areas or sites (excluding sensitive aquatic species, deer winter range, and turkey habitat) and known sensitive plants; or*
- (II) *The development does not disturb the ground or is inside road, utility or railroad rights-of-way or easements or other areas that have been previously disturbed and regularly maintained; or*
- (III) *For sensitive wildlife, the development is within 1,000 feet of known sensitive wildlife areas or sites (excluding sensitive aquatic species, deer winter range and turkey habitat), but an appropriate federal or state wildlife agency determines (1) the sensitive wildlife area or site is not active or (2) the proposed development would not compromise the integrity of the wildlife area or site or occur during the time of the year when wildlife species are sensitive to disturbance.*

*For sensitive plants, the development is within 1,000 feet of known sensitive plants, but the Oregon or Washington Natural Heritage Program or a person with recognized expertise in botany or plant ecology hired by the applicant has determined that the development would be at least 200 feet from the sensitive plants.*

According to the Gorge Commission's resource inventories, the proposed development is located within deer winter range, which is excluded from review under Commission Rule 350-81-052(1)(d)(b). No other sensitive wildlife or rare plant sites are known to exist within 1,000 feet of the proposed development. Additionally, the development is located within a fenced area that has been used and maintained as a BPA transmission site and a communications site. As such, the site has been previously disturbed and regularly maintained.

The proposed addition is consistent with the natural resource protection measures in Commission Rule 350-81-052(1)(d)(B)(I) and (II).

#### Conclusion:

As proposed, the development is consistent with the natural resource protection guidelines for expedited review in Commission Rules 350-81-052(1)(d)(B)(I) and (II).

E. Recreation Resources

1. Commission Rule 350-81-052(1)(c)(A) requires new development approved under the expedited review process to not detract from the use and enjoyment of recreation sites on adjacent parcels.

No established recreation sites exist on adjacent properties; therefore, this rule is no applicable.

Conclusion:

The proposed development is consistent with the recreation resource guidelines for expedited review in Commission Rule 350-81-086.

F. Treaty Rights Protection

1. Commission Rule 350-81-052(2) requires developments reviewed using the expedited review process to comply with the following treaty rights protection guidelines.

(a) *Proposed developments shall not affect or modify any treaty or other rights of any Indian tribe.*

(b) *The expedited development review process shall cease and the proposed developments shall be reviewed using the full development review process if an Indian tribe submits substantive written comments during the comment period that identify the treaty rights that exist in the project vicinity and explain how they would be affected or modified by the proposed development.*

No substantive comments identifying treaty rights or concerns were received from Indian tribes during the comment period, and staff is not aware of any treaty rights that would be affected by the proposed development, which is an alteration to an existing development on a previously disturbed site. Given this information, the development does not affect or modify any treaty or other rights of any Indian tribe. Given this information, the proposed addition is consistent with Commission Rule 350-81-052(2)

Conclusion:

The proposed development is consistent with the treaty rights protection guidelines for expedited review uses in Commission Rule 350-81-052(2).

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