



EXHIBIT P

November 3, 2017

Konrad Hyle
Black Rock Consulting
9895 Montegrino Court
Elk Grove, CA 95757

Re: Acoustical Report – Verizon POR Stinger
Site: 29421 East Woodard Road, Troutdale, OR 97060

Dear Konrad,

The following report presents a noise study for the proposed Verizon Wireless telecommunications facility at 29421 East Woodard Road in Troutdale, Oregon. This noise study extends from the proposed equipment to the nearest properties. The purpose of this report is to document the existing conditions and the impacts of the acoustical changes due to the proposed equipment. This report contains data on the existing and predicted noise environments, impact criteria and an evaluation of the predicted sound levels as they relate to the criteria.

Ambient Conditions

Existing ambient sound levels of the site were measured on October 20, 2017 with a Svantek 971 Type 1 precision spectrum analyzer sound level meter. Measurements were conducted as close to the proposed location as possible and the property lines in accordance with the State of Oregon Sound Measurement Procedures Manual (NPCS-1). The average ambient noise level was 48 dBA, due primarily to rainfall and a light breeze.

Code Requirements

The site is located within Multnomah County on property designated with an MUA zoning. The nearest receiving properties are zoned R-15.

The proposed new equipment includes equipment support cabinets and an emergency generator. The cabinets are expected to run intermittently 24 hours a day. The generator will operate during daytime hours for maintenance testing or during a power outage.

Multnomah County Code Chapter 35.6183(A)(3) states: Noise levels should not exceed 5 dBA above ambient levels or 55 dBA Sound Pressure Level, whichever is greater, on adjacent properties. Operation of a back-up generator in the event of power failure or the testing of a back-up generator between 8 AM and 8 PM are exempt from this standard. No testing of back-up power generators shall occur between the hours of 8 PM and 8 AM.

Predicted Equipment Sound Levels

24-Hour Operation Equipment

The following table presents a summary of the equipment and their associated noise levels:

Table 1: Equipment Noise Levels

Equipment	dBA (each)	QTY	Combined dBA @ 5 ft
Commscope RBA84 Power/Battery Cabinet	66 dBA @ 5ft	2	69

Methods established by ARI Standard 275-2010 and ASHRAE were used in predicting equipment noise levels to the receiving properties. Application factors such as location, height, and reflective surfaces are accounted for in the calculations.

The equipment will be located at grade surrounded by a chain link fence. The nearest receiving property is approximately 200 feet east of the equipment. The following table presents the predicted sound level at the nearest receiving property:

Table 2: Predicted Noise Levels for Proposed Equipment Cabinets

Line	Application Factor	East
1	Sound Pressure Level at 5 ft (dBA), Lp1	69
2	Distance Factor (DF) Inverse-Square Law (Free Field): $DF = 20 \cdot \log(d1/d2)$	-32 (200 ft)
3	New Equipment Sound Pressure Level at Receiver, Lpr (Add lines 1 and 2)	37

As shown in Table 2, the sound pressure level from the proposed equipment will meet the 55 dBA code limit at the nearest receiving property line. Noise levels from the equipment to the other receiving properties, which are further away, will be lower and within the code limit.

Emergency Backup Equipment:

The proposed emergency backup equipment includes one Generac 20 kW Diesel Generator with a Level 2 enclosure and has a sound level of 65 dBA at 23 feet. Test cycle operation shall occur between 8 AM and 8 PM. Noise from the generator is exempt from the code when tested during daytime hours and when operating during a power outage.

Please contact us if you have any questions or require further information.

Sincerely,
SSA Acoustics, LLP



Alan Burt, P.E.
PARTNER



RENEWAL DATE: 12/31/17

This report has been prepared for the titled project or named part thereof and should not be used in whole or part and relied upon for any other project without the written authorization of SSA Acoustics, LLP. SSA Acoustics, LLP accepts no responsibility or liability for the consequences of this document if it is used for a purpose other than that for which it was commissioned. Persons wishing to use or rely upon this report for other purposes must seek written authority to do so from the owner of this report and/or SSA Acoustics, LLP and agree to indemnify SSA Acoustics, LLP for any and all resulting loss or damage. SSA Acoustics, LLP accepts no responsibility or liability for this document to any other party other than the person by whom it was commissioned. The findings and opinions expressed are relevant to the dates of the works and should not be relied upon to represent conditions at substantially later dates. Opinions included therein are based on information gathered during the study and from our experience. If additional information becomes available which may affect our comments, conclusions or recommendations SSA Acoustics, LLP reserves the right to review the information, reassess any new potential



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2017-ANM-948-OE

EXHIBIT Q

Issued Date: 07/25/2017

Network Regulatory
Verizon Wireless (VAW) LLC
5055 North Point Pkwy
NP2NE Network Engineering
Alpharetta, GA 30022

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Monopole STINGER - A
Location:	TROUTDALE, OR
Latitude:	45-31-31.51N NAD 83
Longitude:	122-21-33.95W
Heights:	471 feet site elevation (SE) 150 feet above ground level (AGL) 621 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure would have no substantial adverse effect on the safe and efficient utilization of the navigable airspace by aircraft or on the operation of air navigation facilities. Therefore, pursuant to the authority delegated to me, it is hereby determined that the structure would not be a hazard to air navigation provided the following condition(s) is(are) met:

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 L Change 1, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

____ At least 10 days prior to start of construction (7460-2, Part 1)
 X Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.

This determination expires on 01/25/2019 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is subject to review if an interested party files a petition that is received by the FAA on or before August 24, 2017. In the event a petition for review is filed, it must contain a full statement of the basis upon which it is made and be submitted to the Manager, Airspace Policy & Regulation, Federal Aviation Administration, 800 Independence Ave, SW, Room 423, Washington, DC 20591.

This determination becomes final on September 03, 2017 unless a petition is timely filed. In which case, this determination will not become final pending disposition of the petition. Interested parties will be notified of the grant of any review. For any questions regarding your petition, please contact Airspace Regulations & ATC Procedures Group via telephone -- 202-267-8783 - or facsimile 202-267-9328.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

This aeronautical study considered and analyzed the impact on existing and proposed arrival, departure, and en route procedures for aircraft operating under both visual flight rules and instrument flight rules; the impact on all existing and planned public-use airports, military airports and aeronautical facilities; and the cumulative impact resulting from the studied structure when combined with the impact of other existing or proposed structures. The study disclosed that the described structure would have no substantial adverse effect on air navigation.

An account of the study findings, aeronautical objections received by the FAA during the study (if any), and the basis for the FAA's decision in this matter can be found on the following page(s).

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact Paul Holmquist, at (425) 227-2625, or paul.holmquist@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2017-ANM-948-OE.

Signature Control No: 326639493-338917379

(DNH)

Mike Helvey

Manager, Obstruction Evaluation Group

Attachment(s)

Additional Information

Frequency Data

Map(s)

cc: FCC

Additional information for ASN 2017-ANM-948-OE

Aeronautical Study Number 2017-ANM-948-OE

Abbreviations

AGL - above ground level

AMSL - above mean sea level

RWY - runway

VFR - visual flight rules

IFR - instrument flight rules

NM - nautical mile

ASN- Aeronautical Study Number

Part 77 - Title 14 Code of Federal Regulations (CFR) Part 77, Safe, Efficient Use and Preservation of the Navigable Airspace

1. LOCATION OF PROPOSED CONSTRUCTION

Proposed is a 150-foot AGL (621-foot AMSL) Monopole Antenna Tower to be located near 29421 E. Woodard Rd., Troutdale, OR, and would be approximately 11,901 feet (1.96 NM) southeast of the RWY 25 threshold at Portland-Troutdale Airport (TTD), Troutdale, OR. The TTD airport elevation is 39 feet AMSL.

2. OBSTRUCTION STANDARDS EXCEEDED

The structure is identified as an obstruction under the following Part 77 standard:

Section 77.19(b) -- Conical Surface: a surface extending outward and upward from the periphery of the horizontal surface at a slope of 20:1 for a horizontal distance of 4,000 feet. This structure would exceed the TTD conical surface by 344 feet. The terrain also exceeds the TTD conical surface at this location by 194 feet.

3. EFFECT ON AERONAUTICAL OPERATIONS

a. The impact on arrival, departure, and en route procedures for aircraft operating under VFR: This structure would exceed the TTD conical surface by 344 feet. The terrain also exceeds the TTD conical surface at this location by 194 feet.

There are no effects on the VFR traffic pattern.

There are no effects on any existing or proposed arrival, departure, or en route IFR/VFR minimum flight altitudes.

There are no physical or electromagnetic effects on the operation of air navigation and communications facilities.

There are no effects on any airspace and routes used by the military.

b. The impact on arrival, departure, and en route procedures for aircraft operating under IFR: None.

c. The impact on all planned public-use airports and aeronautical facilities: None.

d. The cumulative impact resulting from the proposed construction or alteration of a structure when combined with the impact of other existing or proposed structures: None.

4. CIRCULATION AND COMMENTS RECEIVED

The proposal was circulated for public comment based on 13 June 2017 and public comment period closed on 20 July 2017. No comments were received by 20 July 2017.

5. DETERMINATION - NO HAZARD TO AIR NAVIGATION

It is determined that the proposed construction would not have a substantial adverse effect on the safe and efficient use of navigable airspace by aircraft.

6. BASIS FOR DECISION

Study for possible VFR effect disclosed that the proposed structure would not affect existing or proposed en route, arrival or departure VFR operations or procedures. In this case, the proposed structure would exceed the TTD Part 77 Conical Surface by 344 feet and where the terrain also exceeds by 194 feet, however the proposed monopole would be located in an area of high terrain that is a well know obstacle for local pilots. No other VFR issues were identified and there are no IFR effects. Circularization and further aeronautical study resulted in no issues or objections to this proposed construction. The incorporation of obstruction marking and lighting is required to mitigate the protected surface penetrations and provide additional conspicuity for VFR and IFR pilots flying in this vicinity.

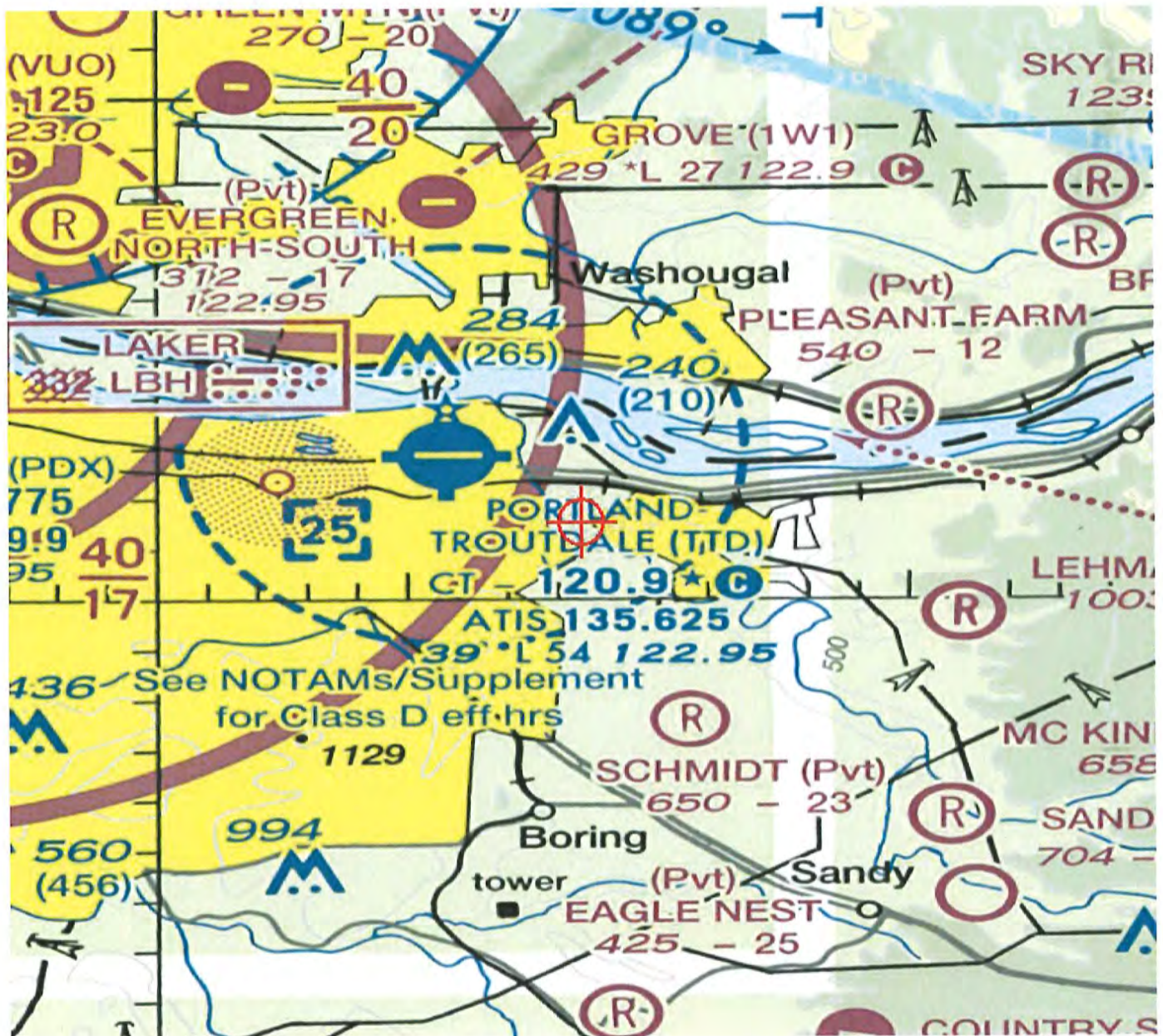
Frequency Data for ASN 2017-ANM-948-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

TOPO Map for ASN 2017-ANM-948-OE



Sectional Map for ASN 2017-ANM-948-OE





Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2017-ANM-948-OE

Issued Date: 01/29/2019

Network Regulatory
Verizon Wireless (VAW) LLC
5055 North Point Pkwy
NP2NE Network Engineering
Alpharetta, GA 30022

**** Extension ****

A Determination was issued by the Federal Aviation Administration (FAA) concerning:

Structure:	Monopole STINGER - A
Location:	TROUTDALE, OR
Latitude:	45-31-31.51N NAD 83
Longitude:	122-21-33.95W
Heights:	471 feet site elevation (SE) 150 feet above ground level (AGL) 621 feet above mean sea level (AMSL)

In response to your request for an extension of the effective period of the determination, the FAA has reviewed the aeronautical study in light of current aeronautical operations in the area of the structure and finds that no significant aeronautical changes have occurred which would alter the determination issued for this structure.

Accordingly, pursuant to the authority delegated to me, the effective period of the determination issued under the above cited aeronautical study number is hereby extended and will expire on 07/25/2020 unless otherwise extended, revised, or terminated by this office. You must adhere to all conditions identified in the original determination.

This extension issued in accordance with 49 U.S.C., Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77, concerns the effect of the structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this extension will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (206) 231-2990, or paul.holmquist@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2017-ANM-948-OE.

Signature Control No: 326639493-394665010

(EXT)

Paul Holmquist
Specialist

cc: FCC

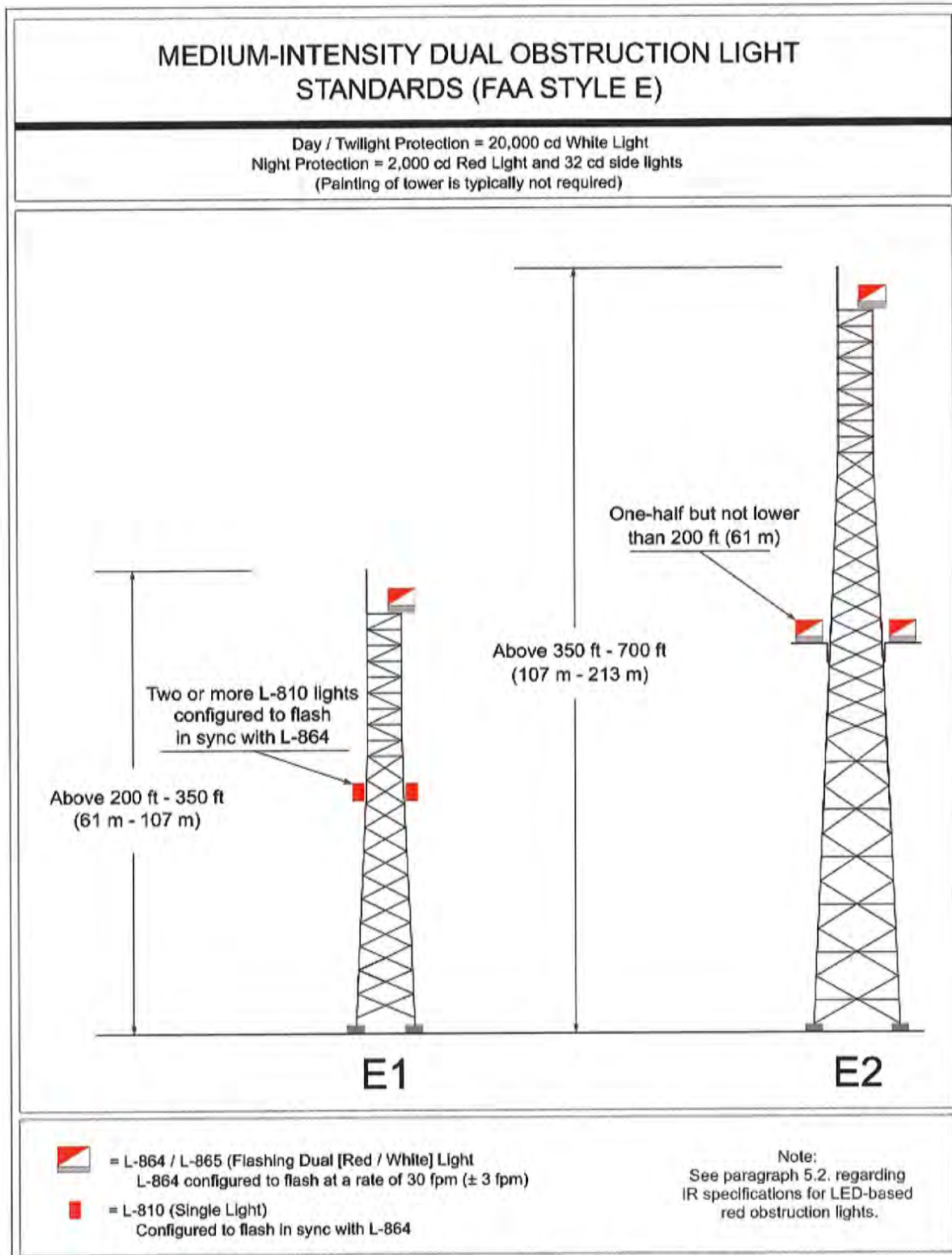


Figure A-11. Medium-Intensity Dual Obstruction Lighting Standards



Kate Brown, Governor

Oregon



February 26, 2018

EXHIBIT R

Konrad Hyle
Black Rock

3040 25th Street, SE
Salem, OR 97302-1125
Phone: (503) 378-4880
Toll Free: (800) 874-0102
FAX: (503) 373-1688

Subject: Oregon Department of Aviation comments regarding the replacement of a mono pole constructed to 150-FEET in height located near Troutdale, Oregon.

Aviation Reference: 2018-ODA-L-106-OE

The Oregon Department of Aviation (ODA) has conducted an aeronautical study of this proposed construction and has determined that notice to the FAA is required. The structure exceeds FAR Part 77.9 (a-d) and Obstruction Standards of OAR 738-70-0100.

This determination is based, in part, on the foregoing description which includes specific coordinates and heights. Any changes to the original application will void this determination. Any future construction or alteration to the original application will require a separate notice from ODA.

This determination will expire 18 months after its effective date, regardless of whether the proposed construction or alteration has been started, or on the date the proposed construction or alteration is abandoned, whichever is earlier.

Mitigation Recommendation:

- ☒ We do not object with conditions to the construction described in this proposal. This determination does not constitute ODA approval or disapproval of the physical development involved in the proposal. It is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.
- ☒ Marking and lighting are required / recommended for aviation safety. We recommend it be installed and maintained in accordance with FAA Advisory Circular AC70/7460-1L
- ☐ The proposed obstruction should to be lower to a height that is no longer a hazard to the airport primary and horizontal surface FAA FAR 77
- ☐ The proposed obstruction should be relocate outside the airport primary and horizontal surface FAA FAR 77

Sincerely,

Matt Lawyer
Program Coordinator



Land Use Planning Division
1600 SE 190th Ave, Ste 116
Portland OR 97233
Ph: 503-988-3043 Fax: 503-988-3389
multco.us/landuse

EXHIBIT S

**FIRE SERVICE AGENCY
REVIEW**

TO THE APPLICANT: Take this form to the Structural Fire Service Provider* that serves your property along with the following:

- ☒ A site plan drawn to scale showing the subject property, its improvements, location of fire hydrants and driveway information;
- ☐ A floor plan of the proposed development; and NA
- ☐ A fire flow report from your water purveyor (if applicable) [Not applicable for Properties served by MCRFD#14 customers] NA
- ☐ After the fire official signs this form, include it with your application material. See Fire Code Application Guide for fire-related access standards and fire flow information.

*If your property is not served by a structural fire service provider, your project is to be reviewed by the appropriate building official serving your property.

Address of Site 29421 E. WOODARD RD. TROUTDALE

Map & Tax Lot: IN4E310B 600 'R' number 322458

Description of Proposed Use: CELL TOWER

Total Square Footage of Building (including roof projections, eaves & attached structures): _____

Applicant Name: KONRAD HYLE / VERIZON Phone: 503.522.0634

Mailing Address: 22135 SW COLE CT.

City: TUALATIN State: OR Zip Code: 97062 Email: Konrad@blk-rock.com

STRUCTURAL FIRE SERVICE AGENCY REVIEW

Fire Agency completing this form: Corbett Fire Date of Review 2-23-18

- ☒ The subject property is located within our service boundaries or is under contract.
- ☐ The subject property is outside of our service boundaries and will not be providing fire protection services via contract. (Additional review is not needed.)

**** Access Review by Structural Fire Service Agency Providing Service ****

- ☒ The proposed development is in compliance with the fire apparatus access standards of the Oregon Fire Code standards as implemented by our agency.
- ☐ The following access improvements must be completed prior to issuance of the building permit and be re-inspected by our agency before flammable materials are placed on the property.

- ☐ The proposed development is not in compliance with the adopted Fire Service Agency's access standards. The proposed building/structure is required to have a fire sprinkler system installed in compliance with Section 903.1.3 (NFPA 13D) of the Oregon Fire Code.

Fire Official: Please sign or stamp the presented site plan & floor plan and attach it to this form.


Signature & Title of Fire Official

See Other Side

STRUCTURAL FIRE SERVICE AGENCY REVIEW, cont.

**** Fire Flow by Structural Fire Service Agency Providing Service ****

The structure, building or addition is exempt from the fire flow standards of the OFC B-105.2.

- ☐ The proposed non-commercial structure is less than 3,600 sq. ft. (including the horizontal projections of the roof) and there is 1,000 gallons per minute of fire-flow available at 20 psi from public water lines. No mitigation measures are necessary.
- ☐ The proposed non-commercial structure is more than 3,600 sq. ft. (including the horizontal projections of the roof) and the fire-flow & flow duration at 20 psi is available from public water lines or private well and is in compliance with minimums specified in Appendix B, Table B105.1 of the Oregon Fire Code. No mitigation measures are necessary.
- ☐ The existing fire-flow & flow duration available from public water lines or private well is not adequate to serve the proposed non-commercial structure in compliance with Appendix B of the Oregon Fire Code. The following mitigation measures are necessary* and must be installed prior to occupancy or use of the structure.
 - ☐ A monitored fire alarm must be installed.
 - ☐ Class A or non-combustible roof materials must be installed.
 - ☐ Defensible space of 30 feet around the structure/building/addition.
 - ☐ A defensible space of 100 feet around the structure/building/addition due to slopes greater than 20 %.
 - ☐ A fire sprinkler system meeting Section 903.1.3 (NFPA 13D) of the Oregon Fire Code shall be installed.
 - ☐ Other _____

* The above required structural features are required by the Oregon Fire Code and shall be shown clearly on all building plans.

Commercial/Industrial Buildings & Uses.

- ☒ The minimum fire flow and flow duration is available from public water lines or private well as specified in Appendix B, Table B105.1. No mitigation measures are required.
- ☐ The minimum fire flow & flow duration is not available from public water lines or private well as specified in Appendix B, Table B105.1. The following mitigation measures are required:

3-23-12

Signature & Title of Fire Official

To the Fire Official:

- ☐ Land Use Planning has determined that the proposed building will qualify as an Exempt Farm Structure and the property owner has indicated that the building will be used solely for farm purposes and they intend on using the provision under ORS 455.315 and will not be obtaining a building permit for its construction.

Mulmohah County Land Use Planning

[illegible]

SITE PLAN: 1

SITE PLAN: 1

PRE-APPLICATION CONFERENCE NOTES

This is not a public hearing, it is an informational meeting.

Case File No.: PA 2018-11705

MEETING TIME AND PLACE

**April 25, 2018 at 10 am
1600 SE 190th Avenue, Portland, OR**

- WHAT:** A Pre-Application Meeting is to be held on the date above to discuss the applicable Multnomah County Land Use Code for a Conditional Use application for the Establish a new 150-foot tall wireless communication facility (cell tower) on Multiple Use Agriculture – 20 (MUA-20) zoned land. The proposal includes new panel antennas, mw dishes, FAA lighting, and tower and ground mounted associated equipment. Ground equipment will be installed in
- LOCATION:** No Situs Address along E Woodard Road
Township 1 North , Range 4 East, WM Section 31 DB Tax Lot 600
- WHO:** Konrad Hyle, Blackrock LLC representing Verizon Wireless
- BASE ZONE:** Multiple Use Agriculture – 20 (MUA-20)
- OVERLAYS:** No overlays
- CONTACT:** The applicable County Code provisions, Comprehensive Plan Policies and other code requirements will be discussed at the Pre-Application Meeting. For further information regarding the meeting, contact Katie Skakel, planner at Multnomah County's Land Use Planning Division at (503)-988-0213 or Katie.skakel@multco.us. The notes from this meeting can be obtained by attending the meeting or by contacting Multnomah County after the above date.



The following is for informational purposes only. No approvals or conclusions have been drawn about this project. Until such time as the necessary Land Use Applications are submitted and reviewed, no decisions will be or have been made regarding the project's compliance with the land use regulations of Multnomah County.

Outline of the Pre-Application Meeting's Purpose and Process

I. Meeting Purpose:

- (A) The Pre-Application meeting is to provide information to an applicant for a land use action that will assist them in completing the application.
- (B) The objectives of the meeting are to clarify the proposal, inform the applicant of the applicable procedures and approval criteria, and to identify all known issues.
- (C) A Pre-Application meeting is a standard requirement for all applications that require a public hearing.

II. Meeting Structure:

- (A) This is not a public hearing and no decisions will be made. The meeting is meant to be informal in nature.
- (B) The Multnomah County planning staff will be responsible for conducting the meeting. Staff will begin the meeting by asking for introductions of those in attendance.
- (C) The applicant will be responsible for explaining their proposal. This explanation is especially helpful to the public who have not seen the application materials and is an opportunity to share relevant information with their neighbors.

- (D) Planning staff will be responsible for reviewing the applicable procedures and approval criteria and to identify all known issues.
- (E) Members of the public and other agency representatives will be provided the opportunity to ask questions about the proposal and will be asked to identify any relevant issues.

III. Other Opportunities for Review:

- (A) If you are interested in the proposal and are unable to attend the Pre-Application meeting, you may review the Pre-Application case file at the offices of Multnomah County Land Use Planning, located at 1600 SE 190th Avenue, Portland, between 8:00 a.m. and 4:00 p.m., Tuesday through Friday, except holidays.
- (B) After the Pre-Application meeting, and after the application has been deemed “complete” by responding to each approval criteria, you will receive a notice announcing the date, time, and place of the Public Hearing. Failure to participate at the Pre-Application meeting will not preclude your involvement at the first scheduled hearing on the completed application.

SUMMARY OF APPLICABLE PERMITS, CODES, POLICIES & FEES

These Multnomah County Code sections can be found at multco.us/landuse/zoning-codes under the link *Chapter 39: Multnomah County Zoning Code*.

Land Use Application	Code Section	Fees
Conditional Use (Type 3 Process)	<i>MUA-20 criteria:</i> MCC 39.7520 CU – Community Service Uses pursuant to the provisions of MCC 39.7500 through MCC 39.7810; MCC 39.4325 Dimensional Requirements except as provided in MCC 39.3080, MCC 39.4330, MCC 39.4335, and MCC 39.5300 through MCC 39.5350 Lot of Record – MUA-20: MCC 39.3080	\$3,054
Design Review	MCC 39.8020 Application for Regulations MCC 39.6590, MCC 39.8040 (A)(1)(a) and 1(c) and MCC 35.6500 through MCC 39.6600 Off Street parking	\$1,238
	Notice Fee	\$159
Development Permits	(Type I Process)	
Grading and Erosion Control	MCC 29.350 – 29.365	\$392
	Inspection Fee	\$82
	Address Assignment (if needed)	\$219

KEY ISSUES

1. In order for the County to be able to approve any land use application for development or building permits, the property must be in full compliance with all applicable codes (MCC 39.3080). Full Compliance means the property is a Lot of Record, any structures on site were properly reviewed or permitted and any conditions from previous land use decisions have been satisfied.
 - There are no open code compliance cases associated with this property.

2. Since there are no known land use cases associated with the property, there have been no Lot of Record findings and the application will need to include a Lot of Record Verification or Determination application for the property. A Lot of Record is a piece of property that when divided into its current configuration, met the land division and zoning rules in place at the time.
 - If there is a deed/contract that describes the subject property in recordable form prior to October 6, 1977, and the description is non-discretionary (requires no judgment or interpretation; does not refer to other deeds or documents; contains the acreage listed by Department of Assessment, Records, and Taxation then a Lot of Record Verification (\$144) could be made. If any discretion is required to make the determination, then a Lot of Record Determination would be required (\$1,088).
 - To make sure you have the correct deed, you should verify the legal description before submitting it for your application. You are strongly encouraged to provide a tax lot map for the deed/property that is color highlighted to correspond to the different segment call outs of the respective deed. For example, when the deed calls out something similar to "...thence north XX degrees a distance of XXX-feet..." Highlight that call out and the segment line on the tax lot map the same color, such as green. For the next call out and segment, highlight it red, etc. This helps you be confident you have the correct deed for the property. If a property was created through a County approved land division, partition or property line adjustment, you can simply note the case number since it is clear such a property is a Lot of Record.
3. Department of Assessment, Records, and Taxation (DART) indicates that there is a dwelling and farm building that were built approximately in 1964. Aerial photos also indicate that there is a farm building located approximately 200 feet to the north and east of the single-family dwelling. Building permit and zoning requirements were first in place over the properties in 1955; therefore, dwelling would have required building permits.
 - The single-family dwelling received a building permit in July 23, 1963. The permit number was 30848.
 - A 60 foot by 30 foot, Pole Barn received a building permit in October 22, 1974. The permit number was 741855.
 - There is no building permit associated with the second structure. (it appears as if applicant has provided information with the Pre-application which will be verified in application.
 - i. Retroactive permits would be required to establish that building. Because there is no established farm use and the property does not have farm deferral, the second structure would require an Accessory Use Determination due to its size exceeding 2,500 square feet.
 1. For all buildings receiving retroactive permits, all exterior lighting on buildings from a light source (bulbs, lamps, etc.) must be fully shielded with opaque materials and directed downwards. "Fully shielded" means no light is emitted above the horizontal plane located at the lowest point of the fixture's shielding. Shielding must be permanently attached.
4. As a Community Service Conditional Use, the proposal shall meet the provisions of MCC 39.7500 through MCC 39.7525 in addition to the Wireless Communications Facility provisions MCC

39.7700. Type 3 Conditional Use permit requires a public hearing. Staff will write a report recommending approval or denial, with suggested conditions of approval and a Hearings Officer will issue the County's Final Land Use Decision.

5. The County's Wireless Communication Facility (WCF) requirements are designed to minimize the WCF visibility and the number of distinct facilities. The County's preferences for siting WCF is co-location upon an existing tower or existing structure, use of concealment technology and finally a vegetatively, topographically or structurally screened monopole.
6. For a typical monopole to be permitted, the tower location must allow for it to blend with the surrounding existing natural and environment in such a manner so as to be visually subordinate. MCC 39.7710 defines Visually subordinate to be:

The relative visibility of a wireless communication facility, where that facility does not noticeably contrast with the surrounding landscape. Visibly subordinate facilities may be partially visible, but not visually dominate in relation to their surroundings

These types of tower may not be sited in locations where there is no vegetative, structural, or topographic screening available.

7. The application will need to demonstrate that the equipment for the proposed tower cannot be accommodated on an existing or approved tower or structure due to: exceeding structural capacity of the existing structure, interference preventing use of the equipment, no room at the height required or radio frequency coverage cannot be adequately met.

8. Multnomah County Code (MCC) requires that new WCF on Lands Not Zoned Exclusive Farm Use meet the requirements of MCC 39.7725 General Requirements and 39.7740 Approval Criteria for Land Not Zoned Exclusive Farm Use.

9. The proposed use will require review of off-street parking as described in MCC 35.6500 through MCC 39.6600. This requirement can be met during the Type III application process.

10. As part of this application, the applicant must provide all of the following:

- An accurate and to-scale site plan showing the location of the tower, guy anchors (if any), antennas, equipment cabinet and other uses accessory to the communication tower or antenna. The site plan shall include a description of the proposed tower including use of concealment technology if applicable;
- A visual study containing, at a minimum, a graphic simulation showing the appearance of the proposed tower, antennas, and ancillary facilities from at least five points within a five-mile radius. Such points shall include views from public places including but not limited to parks, rights-of-way, and waterways
- The distance from the nearest WCF and nearest potential co-location site.
- A report/analysis from a licensed professional engineer documenting the following:
 - (a) The reasons why the WCF must be located at the proposed site (service demands, topography, dropped coverage, etc.)
 - (b) The reason why the WCF must be constructed at the proposed height;
 - (c) Verification of good faith efforts made to locate or design the proposed WCF to qualify for an expedited review process. To this end, if an existing structure approved for co-location is within the area recommended by the engineers report, the reason for not co-locating shall be provided;

- (d) Tower height and design, including technical, engineering, economic, and other pertinent factors governing selection of the proposed design such as, but not limited to, an explanation for the failure to employ concealment technology if applicable;
 - (e) Total anticipated capacity of the structure, including number and types of antennas, which can be accommodated;
 - (f) Evidence of structural integrity of the tower structure as required by the Building Official;
 - (g) Failure characteristics of the tower; and
 - (h) Ice hazards and mitigation measures, which can be employed.
- Documentation demonstrating compliance with non-ionizing electromagnetic radiation (NIEER) emissions standards set forth by the Federal Communications Commission as outlined in A Local Government Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance or a subsequent FCC publication delineating required radio frequency performance standards.
 - A signed agreement, stating that the applicant will allow co-location with other users, provided all safety, structural, and technological requirements are met. This agreement shall also state that any future owners or operators will allow co-location on the tower.
 - A statement documenting a binding commitment to lease or option to lease an antenna mount upon the proposed tower by a service provider.
 - A landscape plan drawn to scale showing the proposed and existing landscaping, including type, spacing, and size.
 - Plans showing the connection to utilities/right-of-way cuts required, ownership of utilities and easements required.
 - Documents demonstrating that any necessary easements have been obtained.
 - Plans showing how vehicle access will be provided.
 - Signature of the property owner(s) on the application form or a statement from the property owner(s) granting authorization to proceed with building permit and land use processes.
 - Documentation that the ancillary facilities will not produce sound levels in excess of those standards specified below in the Approval Criteria for Lands Not Zoned Exclusive Farm Use.
 - A map of the county showing the approximate geographic limits of the "cell" to be created by the facility. This map shall include the same information for all other facilities owned or operated by the applicant within the county, or extending within the county from a distant location, and any existing detached WCF of another provider within 1,000 feet of the proposed site.
 - Documentation demonstrating that the FAA has reviewed and approved the proposal and the Oregon Aeronautics Division has reviewed the proposal.
11. The maximum height of a tower shall be 120 feet, unless: The tower and facility uses concealment technology; or it is demonstrated by an engineer that a greater height is required to provide the necessary service.
 12. The tower shall be setback from dwellings and all property lines a distance equal to the total height of the WCF measured from finished grade or according to the yard requirements of the underlying zone, whichever is greater.

13. Wireless communications storage facilities (i.e., vaults, equipment rooms, utilities, and equipment cabinets or enclosures) shall be treated to look like a building or facility typically found in the area.

KEY ISSUES: ADDITIONAL REVIEW

14. New structures need to be supported by appropriate service. You will need to submit the following service provider forms:
 - Fire Service Agency Review – ensures that the state fire code on fire flow and access are satisfied for your replacement tower.
 - On-Site Sewage Disposal Form – ensures the proposed use will be adequate
 - Storm water Certificate will also be required if more than 500 square feet of impervious service is created to ensure that water generated from the new impervious surface can be handled on site for a 10-year/24-hour storm event. An Oregon Registered Engineer will need to review all impervious surfaces for the disposal of storm water from the roof of the buildings and paved surfaces. Please submit the completed forms with your application, narrative, site plan, supporting documents and submittal fees
15. **Transportation Impact:** A transportation impact is defined in Multnomah County Road Rules 3.000 as any new construction or alteration, which increases the number of trips generated by a site, by more than 20 percent, by more than 100 trips per day or by more than 10 trips in the peak hour. A minimum increase of 10 new trips per day is required to find a transportation impact.
16. **Storm Water:** Any alteration of the storm water discharge onto County right-of-way requires a Discharge Permit. Any alteration of storm water drainage to the existing discharge needs to be reviewed by the County. Increased run-off to incorporated Multnomah County could negatively impact the roadway system. The County currently accepts Portland Stormwater Manual methodology which can be found on their website:
 - Stormwater Management Manual:
<https://www.portlandoregon.gov/bes/64040>
 - Appendix D: <https://www.portlandoregon.gov/bes/64050>
 - Simplified Approach submittal guide:
<https://www.portlandoregon.gov/bes/article/474163>
 - Presumptive Approach submittal guide:
<https://www.portlandoregon.gov/bes/article/474170>

Please contact ROW Permits at (503) 988-3582 or row.permits@multco.us for questions regarding this requirement.

APPLICATION COMPLETENESS

Once an application is submitted, it will be assigned to a planner. The planner has 30 days, by state law, to determine whether the application is complete. . The County has 150 days from the date the application is made complete to make its final decision. If an application is incomplete, the applicant has 180 days by state law to submit the requested additional information to make the application complete. If your application is found to be incomplete, we request that you submit the additional information required

in one packet rather than trickling information in. This avoids confusion as to whether or not you intend to submit additional information, and allows us to act on your application more quickly. Once the application is made complete, it will be scheduled for hearing before a hearings officer. Notice will be mailed to all property owners within 750 feet, MC neighborhood association(s) and interested parties requesting notice of the hearing. Public hearing signage will need to be placed along the public road frontage on Woodard Road. The hearings officer will make the County's final decision

Application Checklist		REQ	Inc.
1.	Completed Application Form: signed by the all property owners and the applicant along with the required fee(s).	X	
2.	Narrative: Written narrative providing a clear and complete description of your proposal and specifically addressing each applicable code section. List the code reference you are responding to in your narrative, then your response to that criterion. Applicable criteria that you must address in your narrative have been previously listed in these notes. Reference in your narrative any supporting documents you are attaching (including required site map) to demonstrate how your proposal meets a particular code criterion.	X	
3.	Scaled Site Plan: The site plan shall be drawn to scale using either an engineer scale or architect scale. The site plan for an SEC permit shall include the following: <ul style="list-style-type: none"> <input type="checkbox"/> Boundaries, dimensions, address and size of the subject parcel; <input type="checkbox"/> Date, north arrow, scale; <input type="checkbox"/> Location of watercourses or drainage features on or near the property. <input type="checkbox"/> Location, size, and label of all proposed and existing buildings, structures, distances to property lines (measured to nearest point of the building), and buildings to be removed; <input type="checkbox"/> Location of the existing well and septic system (tank, drainfield & replacement field) and storm water system (existing and/or proposed); <input type="checkbox"/> Contour lines and topographic features such as ravines or ridges; <input type="checkbox"/> Proposed fill, grading, site contouring or other landform changes; <input type="checkbox"/> Location and predominant species of existing vegetation on the parcel, areas where vegetation will be removed, and location and species of vegetation to be planted, including landscaped areas; <input type="checkbox"/> Location and width of existing and proposed driveways, and service corridors; <input type="checkbox"/> Location of abutting public right-of-way with distances from the right-of-way line to the centerline of the adjoining road; and <input type="checkbox"/> Location and width of existing, proposed and/or altered access points/driveway cuts to the property. 	X	
4.	Floor plans of the buildings to be permitted with dimensions and room use noted, such as kitchen, bathroom, bedroom, garage, etc.	?	
5.	Building Elevations (side views) of new buildings or additions, with all height dimensions, and relationship to existing and finished grade adjacent to the building	X	
6.	Septic Review Certificate form and site plan signed by the Sanitarian (green form).	X	
7.	Fire Service Agency Review form and site plan signed by appropriate personnel (TVFR)	X	
8.	Sheriff Services Review form – Phone 503.988.4300	?	
9.	Storm Water Certificate , site plan and calculations completed by a Oregon Registered Professional Engineer (Creation of 500 sq. ft. or more of impervious surfaces)	?	

ADDITIONAL ASSISTANCE

Please contact **Katie Skakel** at (503) 988-0213 or katie.skakel@multco.us with any questions. Scheduling an appointment is necessary to see your case planner. In the event your case planner is unavailable, the planner on duty can also help answer questions at 503.988.3043 (press 7). Hours for the planner on duty are Tuesday – Friday, 8:00 AM – 4:00 PM, except holidays. Please note a building permit plan review fee and erosion control inspection fee may be required at building plan signoff after the conclusion of the land use review process. These fees do not need to be paid at the time of land use application submittal.

* * *

Cons. Casel



MULTNOMAH COUNTY, OREGON

DEPARTMENT OF COMMUNITY SERVICES
LAND USE & TRANSPORTATION PROGRAM
RIGHT-OF-WAY PERMIT SECTION
1620 SE 190TH AVENUE
PORTLAND, OREGON 97233
503-988-3582 - FAX: 503-988-3389

APPLICATION FOR A PERMIT TO USE PUBLIC ROAD RIGHT OF WAY UNDER THE JURISDICTION OF MULTNOMAH COUNTY

(COUNTY TO FILL OUT THIS SECTION)

Permit No. _____
District: _____
County Maintained: _____
Application Fee: _____
Deposit: _____
Check No.: _____
Ins. Req'd: _____

FOR APPLICANT: (Please print)

Name: Black Rock Consulting / Konrad Hyle on behalf of Verizon Wireless
Address: 22135 SW Cole Court
Tualatin, OR 97062

E-mail Address: konrad@blk-rock.com
Phone/Fax: 503-522-0634
Contact Person: Konrad Hyle

ROADS AND LOCATIONS COVERED BY THIS PERMIT:

Road	Specific Location	Side of Road	Distance from		Buried Cable or Pipe	
			Center Line	R/W Line	Depth	Size & Kind
E. Woodard Rd	#29421	North	20'+/-	10'+/-		

GENERAL APPLICATION/PERMIT TERMS:

- Upon approval of this Application by Multnomah County by the indicated signature below, this page shall become the first page of the Permit and the Applicant shall become the "Permittee."
- Permittee must notify Multnomah County at 503-988-3582, at least one business day (24 hours) before commencing work under this permit.
- Except as allowed under the Multnomah County Road Rules Section 18, Subsection 18.250, Permittee must complete any authorized demolition, installation, construction, placement, or similar work activities in the road right-of-way not later than 120 days after Permit Effective Date. Any extension of time beyond that period is subject to the sole discretion of Multnomah County.
- Any Permit issued pursuant to this Application shall be applicable only to the specific public road right(s)-of-way under the Jurisdiction of Multnomah County authorized and identified herein. Applicant must obtain an additional permit or consent from Multnomah County for the use of any other public road right(s)-of-way under the County's Jurisdiction.
- Applicant must obtain the consent from the appropriate authority for the use of any roads, highways, and streets that are not under Multnomah County's Jurisdiction.
- This Permit shall not be effective until a construction plan; specifications or other similar documentation has been reviewed and approved by the County Engineer or designate and incorporated into the Permit.
- This Permit includes the "Permit Provisions" attached hereto and which are incorporated by this reference.
(Authority: ORS 374.305-ORS 374.330; MCC Chapters 27 and 29)

APPLICANT: By the authorized signature below, Applicant (Permittee) accepts and agrees to all the requirements, terms, conditions and provisions of this Permit.

Authorized Signature: _____

Print Name: Verizon Wireless, Konrad Hyle

Title: Agent

Date of Application: 5/30/19

**MULTNOMAH COUNTY
DEPARTMENT OF COMMUNITY SERVICES:**

Permit Approved By: _____

Print Name: _____

Title: _____

Permit Effective Date: _____

RIGHT-OF-WAY USE PERMIT PROVISIONS

1. (A) This Permit is issued by Multnomah County as the jurisdictional authority (hereinafter "County") over the Right-of-Way described on Page 1 of this Permit (the "Right-of-Way") to the Permittee (County and Permittee hereinafter collectively referred to as the "Parties") and controls all aspects of the Right-of-Way Use(s) set forth on Page 1, and as further provided in and subject to:

1. If applicable, **Exhibit A**, which shall consist of any plans, specifications, drawings, or other design documents (collectively referred to as the "Plans") attached hereto, or as the Parties agree in writing to amend or revise said **Exhibit A**;
2. If applicable, **Exhibit B to Right-Of-Way Use Permit for Construction ("Exhibit B")** attached hereto.
3. If applicable, **Exhibit C, the Consulting Engineer's Statement**, attached hereto.
4. To the extent applicable, **Exhibits A, B and C** are hereby incorporated as a part of this Permit.

This Permit does not authorize any activity on privately owned property. Should Permittee's activities encroach beyond the boundaries of the Right-of-Way covered under this Permit or otherwise exceed the jurisdictional authority of the County; Permittee shall obtain written consent from any owners of property abutting the Right-of-Way before beginning any work under this Permit.

(B) **Exhibit A** shall not be changed, altered, or modified without first obtaining the written consent of the County Engineer or the County Engineer's designate or as otherwise provided in **Exhibit 1**.

(C) This Permit is subject to ORS Chapter 374 and incorporates the following rules adopted by Multnomah County pursuant to Multnomah County Code Chapter 29:

1. **The Multnomah County Road Rules (MCRR)**, dated March 23, 2004 or as the MCRR shall be amended, and
2. **The Multnomah County Design and Construction Manual (DCM)**, dated June 20, 2000; or as the DCM shall be amended.

(D) For purposes of this Permit, the term "Permittee" shall refer to all parties acting under this Permit, including the property owner, the developer (if different than the owner) and any contractor responsible for or performing the work authorized under this Permit. All such parties acting through authorized representatives with the authority to bind each party shall sign this Permit. No action or work of any kind may proceed under this Permit without the binding signatures of all the parties as Permittees. The use of the term "Permittee" or "Permittees" in this Permit shall be used interchangeably and shall not be intended to limit the number of parties that are Permittees on this Permit.

2. (A) The County contact to coordinate work activities on the Right-of-Way shall be: phone: [503-988-3582](tel:5039883582), e-mail: ROW.Permits@multco.us.

(B) Permittee contact person shall be: (supply name, address, telephone and email contact information)

3. Prior to beginning any work or activities under this Permit, the Permittee shall confirm in writing to the County that all Permittees have obtained a commercial general liability insurance policy that provides: (i) for a combined single limit of not less than \$1,000,000 per each incident or occurrence, and with an annual aggregate limit of not less than \$2,000,000; (ii) for extended reporting period coverage for claims made within two years after the activities, work or associated work authorized under this Permit is completed; (iii) for the County, its officers, employees and agents to be named as additional named insureds for all activities, work or associated work being authorized under this Permit. This Permit is automatically revoked without further action if the insurance is permitted to lapse, is canceled, or for any other reason becomes inoperative. Insurance policy limits quoted herein are minimums set for 2014 and shall be subject to County review and adjustment annually.

4. (A) The Permittees agrees to defend, indemnify, and hold harmless the County, its officers, employees, and agents (the "Indemnitees") from:

1. All claims, demands, suits, liabilities, damages, losses, costs, or expenses including, but not limited to, attorney's fees that the Indemnitees may sustain or incur on account of any damage to or destruction of any property that the County may own or in which it may have an interest;
2. All claims, demands, suits, liabilities, damages, losses, costs or expenses including, but not limited to, attorney's fees on account of any damage to or destruction of any property belonging to any person, firm or corporation; and
3. All claims, demands, suits, liabilities, damages, losses, costs, or expenses including, but not limited to, attorney's fees on account of any damage resulting from injury to or death of any person or persons,

which arise out of or are in any way connected with the activities conducted or work performed under this Permit by the Permittees, their officers, employees, contractors, agents, or invitees.

(B) Permittees agree to defend, indemnify, and hold harmless the Indemnitees from all claims, demands, suits, liabilities, damages, losses, costs, or expenses which arise out of or are in any way connected with the use, generation, manufacture, storage, discharge, release, disposal, transportation, or possession of Hazardous Materials by the Permittee, its, employees, contractors, agents, lessees, or invitees at any time during the term of this Permit at the Permit Site. "Hazardous Materials" means: (a) any petroleum, including crude oil or any fraction thereof, natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel, or any mixture thereof, flammable substances, explosives, radioactive materials, hazardous wastes or substances, toxic wastes, wastes or substances or any other materials or pollutants which: (1) pose a hazard to the Permit Site or to persons on or about the Permit Site, or (2) cause the Permit Site to be in violation of any federal, state, or local law, ordinance, regulation, code, or rule relating to Hazardous Materials; (b) asbestos in any form which is or could become friable, urea formaldehyde foam insulation, transformers, or other equipment which contain dielectric fluid containing levels of polychlorinated biphenyls in excess of fifty (50) parts per million; (c) any chemical, material, or substance defined as or included in the definition of "hazardous substances," "hazardous wastes," "hazardous materials," "extremely hazardous waste," "restricted hazardous waste," "waste" or "toxic substances," or words of similar import under any applicable local, state, or federal law or under the regulations adopted or publications promulgated pursuant thereto including, but not limited to, the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. § 9601, et seq.; the Hazardous Materials Transportation Act, as amended, 49 U.S.C. § 1801, et seq.; the Resource Conservation and Recovery Act, as amended, 42 U.S.C. § 6901, et seq.; the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251, et seq.; and (d) any other chemical, material or substance, exposure to which is prohibited, limited, or regulated by any governmental authority or may or could pose a hazard to the health and safety of the owners and/or occupants of property adjacent to or surrounding the Permit Site.

(C) The Permittees obligations under Section 3 and Section 4 herein, shall survive the termination of this Permit.

5. Traffic control is the responsibility of the Permittee and shall be performed in accordance with the Manual of Uniform Traffic Control Devices and Oregon Supplements. The Permittee shall submit a copy of the traffic control plan for County review and approval not less than five working days prior to the date the activities or work authorized under this Permit are scheduled to begin. Work or activities shall not begin until written approval of the traffic control plan is obtained from the County Engineer or the County Engineer's designate.
6. The Permittee shall provide the name and telephone contact number for its Project inspector and a 24-hour emergency telephone number(s) for its contractor prior to beginning activities or work under this Permit.
7. ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center (the "Center"). Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The telephone number for the Center is (503) 232-1987.
8. No modification shall be made to any fixture or installation as shown on Exhibit A and authorized under this Permit without prior approval from the County. Failure to comply with any term or condition of this Permit shall be cause for revocation. The County reserves the right to stop the activities or work performed under this Permit for failure to comply. All costs associated with activities or work stoppage or revocation as provided herein are the responsibility of the Permittee, and all costs shall be borne by the Permittee.

9. The Permittee shall restore the Right of Way to an equal or better condition than existed prior to the activities or work authorized under this Permit. The Permittee is responsible for quality control of all demolition or new construction made to the Right of Way. The County may perform spot inspections to monitor quality control. The Permittee shall correct all construction work that does not conform to County standards. The County may require additional work to return the Right of Way to "as good" or "better" condition.
10. The Permittee shall be in compliance with all federal, interstate, state, regional, and local laws, regulations, rules, and ordinances, pertaining to all the activities or work performed under this Permit including, but not limited to, obtaining all necessary and applicable construction and erosion control permits and approvals prior to beginning the activities or work authorized under this Permit and compliance with all applicable business licenses, OSHA rules and regulations.
11. County shall have the right, without notice, at any time including during any of Permittee's activities or work of any kind in the Right of Way, to enter and occupy the entire or any part of the Right of Way for the purpose of inspecting, maintaining, repairing, renewing, replacing or reconstructing the Right of Way, or any replacement facility thereto as County in its sole discretion shall deem necessary and appropriate.
12. County's activities described in Section 11 may require Permittee or its officers, employees, contractors, agents, vendors, lessees, sublessees or invitees (collectively "Permittee Parties") to remove any fixtures, installations or personal property including but not limited to , vehicles, machines, tools and equipment from the Right of Way. Upon entry, County shall, without liability to Permittee Parties, have the right to remove any such fixtures, installations or personal property from the Right of Way as may be necessary to accomplish the required work. County shall have no obligation to restore or repair any improvements removed or damaged in the performance of County's work. Permittee Parties agree that County shall have no obligation to restore the Right of Way or Permittee Parties' improvements and County shall have no liability to Permittee Parties for any disruption of Permittee Parties' business, for loss of Permittee Parties' real or personal property, for Permittee Parties' lost profits or for any other loss incurred by Permittee Parties as a result of such entry or as a result of Permittee Parties being required to vacate the Right of Way pursuant to the terms of this Section 12.
13. Either Subsection 13 (A) or (B) shall be applicable depending on the location. The applicable and non-applicable Subsection shall be marked where indicated.

(A) For Certain Utility Work in Roads in Unincorporated Areas: If this Permit has been issued in connection with work done in the public road that is authorized pursuant to the provisions of ORS 758.010(1) "...to construct, maintain and operate its water, gas, electric or communication service lines, fixtures and other facilities..." along said public road; the County reserves all the rights under ORS 758.010(2) to direct the Permittee to relocate any such fixture, line or facility in the subject public road: ☒ Applicable ☐ Not Applicable

(B) For Other Uses and For Uses in Roads in Cities: The County reserves the right to **revoke this Permit at any time** in the event the County determines the permitted work or activities, including any fixtures, installations or personal properties in the Right of Way; are in conflict with a County improvement project; public need requires it, or the Permittee fails to comply with the conditions of this Permit. No expenditure of money, lapse of time, or other act or thing shall operate as an estoppel against the County or be held to give the Permittee any vested or other right. Upon revocation of this Permit, the Permittee shall within 30 days of receiving notification, remove, relocate, or abandon (if consented to by the County), all fixtures, installations or personal property in the Right of Way and restore the Right of Way as directed by, and to the satisfaction of, the County: ☐ Applicable ☐ Not Applicable

14. **(A)** The Owner of the Property that directly abuts or is adjacent to the Right of Way covered under this Permit and who has signed this Permit as one of the Permittees shall bear the responsibilities imposed under ORS 374.315 to ORS 374.320 on the "applicant" and the "owner" with respect to maintenance, repair or removal, as applicable to the type of Project authorized under this Permit, or in the alternative as the County may authorize by Code or Rule with respect to said responsibilities.

(B) As provided in the MCRR at Subsection 18.130 and consistent with ORS 374.320, the County reserves the right to revoke this Permit at any time by mutual consent; for failure of the Applicant to abide by the terms and conditions of the Permit, to protect the public safety as determined by the County Engineer or by operation of law.

(C) Additional Indemnity. The Permittee that is the Owner of the Property as identified in Subsection 14.A, also agrees to defend, indemnify, and hold harmless the County, its officers, employees, and agents (the "Indemnitees") from:

1. All claims, demands, suits, liabilities, damages, losses, costs, or expenses including, but not limited to, attorney's fees that the Indemnitees may sustain or incur on account of any damage to or destruction of any property that the County may own or in which it may have an interest;
2. All claims, demands, suits, liabilities, damages, losses, costs or expenses including, but not limited to, attorney's fees on account of any damage to or destruction of any property belonging to any person, firm or corporation; and
3. All claims, demands, suits, liabilities, damages, losses, costs, or expenses including, but not limited to, attorney's fees on account of any damage resulting from injury to or death of any person or persons;

which arise out of or are in any way connected with the installation, construction, alteration, placement of any object or fixture; or the planting or placement of any vegetation; or the modification of the previous existing construction in the Public Right of Way under this Permit.

15. (A) Miscellaneous Provisions.

(B) Permittee's Initials for Signature: *KL*

(Add any specific special terms or conditions unique to the Permit Site here. Permittee must initial here to indicate acceptance of the additional special terms and conditions. Add additional sheets as necessary.)

NOTES:
THIS IS NOT A SURVEY. ALL INFORMATION AND TRUE NORTH
HAVE BEEN OBTAINED FROM EXISTING DRAWINGS AND
SURVEY. ALL INFORMATION AND ARE APPROXIMATE.



SITE PLAN	1
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SITE PLAN	1
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Project Info:
POR
STINGER
20421 E WOODWARD RD
TROUTDALE, OR 97060

SITE PLAN

Project Number:	Start Date:
7160107	12/13/16
Designer:	Designers:
JA	MB
Project Manager:	Professional of Record:
LC	LC
Revision No:	Sheet No:

3	A-1
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MULTNOMAH COUNTY, OREGON

DEPARTMENT OF COMMUNITY SERVICES
LAND USE & TRANSPORTATION PROGRAM
RIGHT OF WAY PERMIT SECTION
1620 SE 190TH AVENUE, ROOM 101D
PORTLAND, OREGON 97233
503-988-3582 - FAX: 503-988-3389

UTILITY APPLICATION / PERMIT TO USE PUBLIC ROAD RIGHT OF WAY UNDER THE JURISDICTION OF MULTNOMAH COUNTY

(COUNTY TO FILL OUT THIS SECTION)

Permit No. _____
District: _____
County Maintained: _____
Application Fee: _____
Deposit: _____
Check No.: _____
Ins. Req'd: _____

FOR APPLICANT ("Applicant"): (Please print)

Name: Black Rock Consulting / Konrad Hyle on behalf of Verizon Wireless

E-mail Address: konrad@blk-rock.com

Address: 22135 SW Cole Court

Phone/Fax: 503-522-0634

Tualatin, OR 97062

Contact Person: Konrad Hyle

ROADS AND LOCATIONS COVERED BY THIS PERMIT ("Permit Site"):

ROAD	Specific Location	Side of Road	Distance from		Buried Cable or Pipe	
			Center Line	R/W Line	Depth	Size & Kind
E. Woodard Rd	Opposite #29421	South	16'	14'	36"	2" Schd 40
						PVC

GENERAL APPLICATION/PERMIT TERMS:

1. Upon approval of this Application by Multnomah County by the indicated signature below, this page shall become the first page of the permit ("Permit"), and the Applicant shall become the "Permittee."
2. Permittee must notify Multnomah County at 503-988-3582, at least one business day (24 hours) before commencing work under this Permit.
3. Except as allowed under the Multnomah County Road Rules Section 18, Subsection 18.250, Permittee must complete any authorized demolition, installation, construction, placement, or similar work activities in the road right of way not later than 120 days after the Permit Effective Date. Any extension of time beyond that period is subject to the sole discretion of Multnomah County.
4. Any Permit issued pursuant to this application shall be applicable only to the specific public road right(s) of way under the jurisdiction of Multnomah County authorized and identified herein. Applicant must obtain an additional permit or consent from Multnomah County for the use of any other public road right(s) of way under the County's jurisdiction.
5. Applicant must obtain the consent from the appropriate authority for the use of any roads, highways and streets that are not under Multnomah County's jurisdiction.
6. This Permit shall not be effective until a construction plan, specifications or other similar documentation has been reviewed and approved by the County Engineer or designee, and incorporated into the Permit.
7. This Permit includes the following Right of Way Use Provisions for Utility Permits, attached hereto and which are incorporated by this reference.
(Authority: ORS 374.305-374.330; ORS Chapter 758; and MCC Chapters 27 and 29)

APPLICANT: By the authorized signature below, Applicant (Permittee) accepts and agrees to all the requirements, terms, conditions and provisions of this Permit.

Authorized Signature: _____

Print Name: Verizon Wireless, Konrad Hyle

Title: Agent

Date of Application: 5/30/19

(COUNTY TO FILL OUT THIS SECTION)

MULTNOMAH COUNTY, DEPARTMENT OF COMMUNITY SERVICES:

Permit Approved By: _____

Print Name: _____

Title: _____

Permit Effective Date: _____

RIGHT OF WAY USE PROVISIONS FOR UTILITY PERMITS

1. (A) This Permit is issued by Multnomah County as the jurisdictional authority (hereinafter "County") over the Right of Way described on Page 1 of this Permit (the "Right of Way") to the Permittee (County and Permittee hereinafter collectively referred to as the "Parties") and controls all aspects of the Right of Way Use(s) set forth on Page 1, and as further provided in and subject to:
 1. If applicable, **Exhibit A**, which shall consist of any plans, specifications, drawings, or other design documents (collectively referred to as the "**Plans**") attached hereto, or as the Parties agree in writing to amend or revise said **Exhibit A**;
 2. If applicable, **Exhibit B, the Construction Permit ("Exhibit B")**, attached hereto.
 3. If applicable, **Exhibit C, the Consulting Engineer's Statement**, attached hereto.
 4. To the extent applicable, **Exhibits A, B and C** are hereby incorporated as a part of this Permit.

(B) This Permit does not authorize any activity on privately owned property. Should Permittee's activities encroach beyond the boundaries of the Right of Way covered under this Permit or otherwise exceed the jurisdictional authority of the County, Permittee shall obtain written consent from any owners of property abutting the Right of Way before beginning any work under this Permit. This Permit has been issued in connection with work done in a public road that is authorized pursuant to the provisions of ORS 758.010(1) "...to construct, maintain and operate its water, gas, electric or communication service lines, fixtures and other facilities..." along said public road; the County reserves all the rights under ORS 758.010(2) to direct the Permittee to relocate any such fixture, line or facility in the subject public road.

(C) **Exhibit A** shall not be changed, altered, or modified without first obtaining the written consent of the County Engineer or the County Engineer's designee.

(D) This Permit is subject to ORS Chapters 374 and 758 and incorporates the following rules adopted by Multnomah County pursuant to Multnomah County Code Chapter 29:

1. **The Multnomah County Road Rules (MCRR)**, dated March 23, 2004, or as the MCRR shall be amended, and
2. **The Multnomah County Design and Construction Manual (DCM)**, dated June 20, 2000, or as the DCM shall be amended.

(E) For purposes of this Permit, the term "Permittee" shall refer to all parties acting under this Permit, including the Applicant and any contractors and/or agents acting on behalf of the Applicant in performing the work authorized under this Permit. The use of the term "Permittee" shall not be intended to limit the number of parties that Applicant engages to perform its work under this Permit.

2. (A) The County contact person to coordinate work activities on the Right of Way shall be: Joanna Valencia, Planning and Development Manager, (503) 988-0219, joanna.valencia@multco.us.

(B) Permittee contact person shall be: (supply name, address, telephone and email contact information)

3. (A) Prior to beginning any work or activities under this Permit, the Permittee shall confirm in writing to the County that Permittee has obtained a commercial general liability insurance policy that provides: (i) for a combined single limit of not less than \$1,000,000 per each incident or occurrence, and with an annual aggregate limit of not less than \$2,000,000 ; (ii) for extended reporting period coverage for claims made within two years after the activities, work or associated work authorized under this Permit is completed; (iii) for the County, its officers, employees and agents to be named as additional named insureds for all activities, work or associated work being authorized under this Permit. This Permit is automatically revoked without further action if the insurance is permitted to lapse, is canceled, or for

any other reason becomes inoperative. Insurance policy limits quoted herein are minimums set for 2014 and shall be subject to County review and adjustment annually.

(B) Alternatively, if Permittee is self-insured for the risks for which insurance is required under this Permit and provided Permittee's self-insurance verification is accepted by the County's Office of Risk Management, Permittee shall not be required to procure insurance as required under Subsection 3(A). For the duration of this Permit, Permittee shall annually provide written verification of self-insurance to the County, which, is subject to acceptance by the County's Risk Management Office.

4. (A) Permittee agrees to defend, indemnify, and hold harmless the County, its officers, employees, and agents (the "Indemnitees") from all claims, demands, suits, liabilities, damages, losses, costs, or expenses, including but not limited to attorney's fees, that the Indemnitees may sustain or incur on account of any damage to or destruction of any property that the County or any person, party or corporation may own or in which it may have an interest, or from the injury or death of any person or persons, which arise out of or are in any way connected with the activities conducted or work performed under this Permit by the Permittee, their officers, employees, contractors, agents, or other parties accessing or working on utilities. This duty to defend, indemnify and hold harmless does not apply to parties accessing or working on utilities which obtain separate permits for such access and work.

(B) Permittee agrees to defend, indemnify, and hold harmless the Indemnitees from all claims, demands, suits, liabilities, damages, losses, costs, or expenses which arise out of or are in any way connected with the use, generation, manufacture, storage, discharge, release, disposal, transportation, or possession of Hazardous Materials by the Permittee, its employees, contractors, or agents at any time during the term of this Permit at the Permit Site. "Hazardous Materials" means: (a) any petroleum, including crude oil or any fraction thereof, natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel, or any mixture thereof, flammable substances, explosives, radioactive materials, hazardous wastes or substances, toxic wastes, wastes or substances or any other materials or pollutants which: (1) pose a hazard to the Permit Site or to persons on or about the Permit Site, or (2) cause the Permit Site to be in violation of any federal, state, or local law, ordinance, regulation, code, or rule relating to Hazardous Materials; (b) asbestos in any form which is or could become friable, urea formaldehyde foam insulation, transformers, or other equipment which contain dielectric fluid containing levels of polychlorinated biphenyls in excess of fifty (50) parts per million; (c) any chemical, material, or substance defined as or included in the definition of "hazardous substances," "hazardous wastes," "hazardous materials," "extremely hazardous waste," "restricted hazardous waste," "waste" or "toxic substances," or words of similar import under any applicable local, state, or federal law or under the regulations adopted or publications promulgated pursuant thereto including, but not limited to, the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. § 9601, et seq.; the Hazardous Materials Transportation Act, as amended, 49 U.S.C. § 1801, et seq.; the Resource Conservation and Recovery Act, as amended, 42 U.S.C. § 6901, et seq.; the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251, et seq.; and (d) any other chemical, material or substance, exposure to which is prohibited, limited, or regulated by any governmental authority or may or could pose a hazard to the health and safety of the owners and/or occupants of property adjacent to or surrounding the Permit Site.

(C) The Permittee's obligations under Section 3 and Section 4 herein, shall survive the termination of this Permit to the fullest extent as allowed or recognized under applicable law, statutes, codes or regulations.

(D) Notwithstanding the foregoing language in this Section 4(A), Permittee shall not be liable for (and the foregoing indemnity obligations shall not cover) any claim, demand, suit, liabilities, damages, losses, costs, or expenses to the extent the same resulted from the negligence, willful misconduct or strict liability of Multnomah County, its officers, employees, contractors or agents.

5. Traffic control is the responsibility of the Permittee and shall be performed in accordance with the Manual of Uniform Traffic Control Devices and Oregon Supplements. The Permittee shall submit a copy of the traffic control plan for County review and approval not less than five working days prior to the date the activities or work authorized under this Permit are scheduled to begin. Work or activities shall not begin until written approval of the traffic control plan is obtained from the County Engineer or designee.

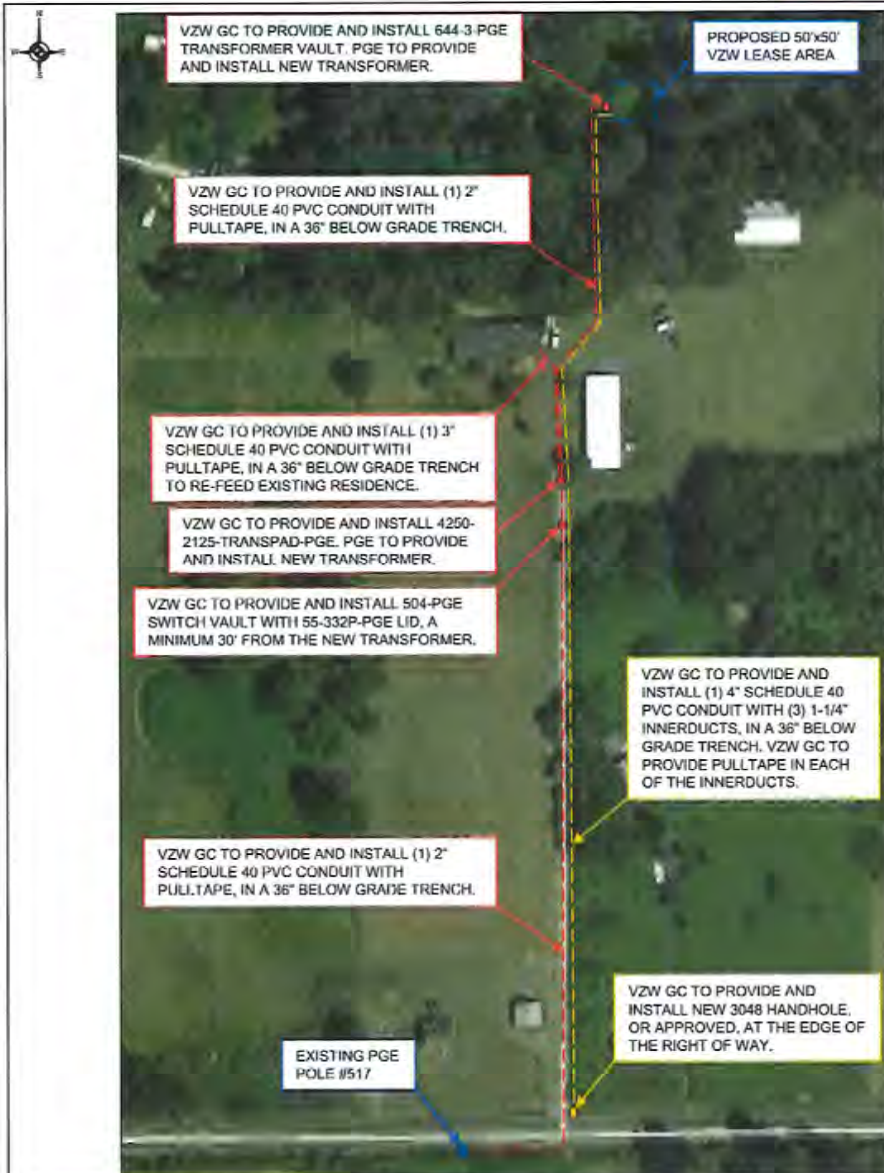
6. The Permittee shall provide the name and telephone contact number for its Project inspector or contractor, and a 24-hour emergency telephone number(s) for the Project inspector or contractor prior to beginning activities or work under this Permit.
7. Within 30 days of request by the County, Permittee shall provide the County with a list of all current or pending lessees leasing space from Permittee within the Right of Way, which shall include contact information for lessee.
8. ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center (the "Center"). Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The telephone number for the Center is (503) 232-1987.
9. No modification shall be made to any fixture or installation as shown on Exhibit A and authorized under this Permit without prior approval from the County. Failure to comply with any term or condition of this Permit shall be cause for revocation. The County reserves the right to stop the activities or work performed under this Permit for failure to comply. All costs associated with activities or work stoppage or revocation as provided herein are the responsibility of the Permittee, and all costs shall be borne by the Permittee.
10. The Permittee shall restore the Right of Way to an equal or better condition than existed prior to the activities or work authorized under this Permit. The Permittee is responsible for quality control of all demolition or new construction made to the Right of Way. The County may perform spot inspections to monitor quality control. The Permittee shall correct all construction work that does not conform to County standards. The County may require additional work to return the Right of Way to "as good" or "better" condition.
11. The Permittee shall be in compliance with all federal, interstate, state, regional, and local laws, regulations, rules, and ordinances, pertaining to all the activities or work performed under this Permit including, but not limited to, obtaining all necessary and applicable construction and erosion control permits and approvals prior to beginning the activities or work authorized under this Permit and compliance with all applicable business licenses, OSHA rules and regulations.
12. (A) For emergency work in the Right of Way, County shall have the right, upon such reasonable notice to Permittee as may be accomplished given the time and circumstances of the emergency event, to at any time (including during any of Permittee's activities or work of any kind in the Right of Way), enter and occupy the entire or any part of the Right of Way for the purpose of inspecting, maintaining, repairing, renewing, replacing or reconstructing the Right of Way, or any replacement facility thereto as County in its sole discretion shall deem necessary and appropriate. Notwithstanding the rights established under this Subsection 12(A), in an emergency situation County shall make reasonable efforts to coordinate with Permittee to ensure the restoration of the Right of Way and any utilities in the Right of Way is accomplished in the most effective and safe manner.

(B) For non-emergency work in the Right of Way, County shall comply with the requirements of ORS 758.025 to coordinate with Permittee on any County projects, construction or other necessary work in the Right of Way that will require the relocation of Permittee's installations.
13. County's activities described in Section 12 may require Permittee, its contractors, agents or sublessees (collectively "Permittee Parties") to remove or relocate any fixtures, installations, facilities or personal property, including but not limited to: vehicles, machines, tools and equipment from their existing location in the Right of Way. Upon entry, County shall, without liability to Permittee Parties, have the right to remove any such fixtures, installations facilities or personal property from the Right of Way as may be necessary to accomplish the required work if Permittee fails to act in accordance with the County's directive under ORS 758.010(2), to remove Permittee's fixtures, installations, facilities, or personal property in a timely manner. County shall have no obligation to restore or repair any improvements removed or damaged in the performance of County's work done under these Sections 12 and 13. Permittee Parties agree that County shall have no obligation to restore the Right of Way or Permittee Parties' improvements and County shall have no liability to Permittee Parties for any disruption of Permittee Parties' business, for loss of Permittee Parties' real or personal property, for Permittee Parties' lost profits or for any other loss incurred by Permittee Parties as a result of such entry or as a result of Permittee Parties being required to vacate the Right of Way pursuant to the terms of these Sections 12 and 13.

14. (A) Miscellaneous Provisions (if any) (County to fill this section)

(B) Permittee's Initials for Signature: 1/11

(Add any specific special terms or conditions unique to the Permit Site here. Permittee must initial here to indicate acceptance of the additional special terms and conditions. Add additional sheets as necessary.)



CONSTRUCTION NOTES

GENERAL REQUIREMENTS

- THIS UCR IS NOT A CONSTRUCTION, OR BID DOCUMENT.
- VZW GC TO REQUEST LOCATES BE PERFORMED PRIOR TO ANY EXCAVATION.
- A RIGHT OF WAY PERMIT WILL BE REQUIRED FOR ALL WORK DONE IN THE RIGHT OF WAY. PGE WILL OBTAIN THE PERMIT. VZW WILL NEED TO USE A PGE APPROVED CONTRACTOR FOR WORK DONE IN THE RIGHT OF WAY.
- MAINTAIN PROPER CLEARANCES FROM ALL EXISTING AND NEW PIPING, DRAINAGE AND CONDUITS ON THE PROPERTY.
- ALL SWEEPS TO HAVE A MINIMUM 36" RADIUS. FIBERGLASS SWEEPS MAY BE REQUIRED. VERIFY WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- PGE MAY REQUIRE THAT VZW GC INSTALL BOLLARDS AROUND TRANSFORMERS. VERIFY WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- PGE WILL REQUIRE 24 HOUR ACCESS TO THEIR FACILITIES.
- PGE WILL REQUIRE A MINIMUM 60 DAYS NOTICE PRIOR TO CONSTRUCTION.

POWER

THERE IS AN EXISTING OVERHEAD POWER LINE THAT CURRENTLY FEEDS THE PROPERTY. PGE WILL BE CONVERTING THE EXISTING OVERHEAD SERVICE TO UNDERGROUND WHICH WILL CAUSE AN OUTAGE. VZW GC TO COORDINATE OUTAGE WITH PGE REPRESENTATIVE AND OWNER REPRESENTATIVE.

- VZW GC TO SWEEP (1) 2" SCHEDULE 40 PVC CONDUIT WITH PULLTAPE, UP AT THE BASE OF EXISTING PGE POLE #517. COORDINATE EXACT SWEEP LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO PLACE CONDUIT IN A 36" BELOW GRADE TRENCH AND EXTEND EAST APPROXIMATELY 90' BEFORE MAKING 90° TURN NORTH. COORDINATE EXACT ROUTING WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO BORE CONDUIT 36" BELOW GRADE UNDER E WOODARD RD APPROXIMATELY 30' TO THE BEGINNING OF THE EXISTING DRIVEWAY.
- AT THE BEGINNING OF THE DRIVEWAY, VZW GC TO EXTEND CONDUIT IN A 36" BELOW GRADE TRENCH TO THE LOCATION OF THE NEW SWITCH VAULT.
- VZW GC TO PROVIDE AND INSTALL 504-PGE SWITCH VAULT WITH 55-332P-PGE LID, PER PGE SPECIFICATIONS. COORDINATE EXACT LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO STUB (1) 2" SCHEDULE 40 PVC CONDUIT WITH PULLTAPE, INTO THE NEW SWITCH VAULT. COORDINATE EXACT STUB LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO PLACE CONDUIT IN A 36" BELOW GRADE TRENCH AND EXTEND TO THE LOCATION OF THE NEW TRANSFORMER.
- VZW GC TO PROVIDE AND INSTALL 4250-2125-TRANSPAD-PGE, PER PGE SPECIFICATIONS, A MINIMUM 30' FROM NEW SWITCH VAULT. PGE TO PROVIDE AND INSTALL NEW TRANSFORMER. COORDINATE EXACT LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO SWEEP UP (1) 3" SCHEDULE 40 PVC CONDUIT WITH PULLTAPE, INTO THE NEW TRANSFORMER. COORDINATE EXACT SWEEP LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO PLACE CONDUIT IN A 36" BELOW GRADE AND EXTEND TO THE LOCATION OF THE EXISTING METER IN ORDER TO RE-FEED THE EXISTING RESIDENCE. **NOTE: LOCATION OF THE METER MUST BE APPROVED BY PGE SERVICE INSPECTOR.**
- VZW GC TO ALSO SWEEP UP (1) 2" SCHEDULE 40 PVC CONDUIT WITH PULLTAPE, INTO THE NEW TRANSFORMER. COORDINATE EXACT SWEEP LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO PLACE THE 2" CONDUIT IN A 36" BELOW GRADE TRENCH AND EXTEND TO THE LOCATION OF A NEW TRANSFORMER OUTSIDE THE VZW LEASE AREA. COORDINATE EXACT ROUTING WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO PROVIDE AND INSTALL NEW 644-3-PGE VAULT, PER PGE SPECIFICATIONS, JUST OUTSIDE THE FENCED LEASE AREA. PGE TO PROVIDE AND INSTALL NEW TRANSFORMER. COORDINATE EXACT LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO STUB (1) 3" SCHEDULE 40 PVC CONDUIT WITH PULLTAPE, INTO THE NEW TRANSFORMER VAULT. COORDINATE EXACT STUB LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO PLACE CONDUIT IN A 36" BELOW GRADE TRENCH AND EXTEND TO NEW H-FRAME WITH METERBASE. COORDINATE EXACT ROUTING WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- VZW GC TO PROVIDE AND INSTALL NEW H-FRAME WITH 200A, 120/240V, 1-PHASE METERBASE WITH 200A MAIN DISCONNECT, PER PGE SPECIFICATIONS, INSIDE THE FENCED LEASE AREA. COORDINATE EXACT LOCATION WITH PGE REPRESENTATIVE PRIOR TO INSTALLATION.
- PGE WILL REQUIRE ALL INSPECTIONS BE COMPLETED PRIOR TO ENERGIZING THE SERVICE.

GENERIC FIBER

- VZW GC TO PROVIDE AND INSTALL NEW 3048 HANDHOLE, OR APPROVED, AT THE EDGE OF THE RIGHT OF WAY ON E WOODARD RD. COORDINATE EXACT LOCATION WITH THE VZW FCM PRIOR TO INSTALLATION.
- VZW GC TO STUB (1) 4" SCHEDULE 40 PVC CONDUIT WITH (3) 1-1/4" INNERDUCTS, EACH WITH PULLTAPE, INTO THE NEW HANDHOLE.
- VZW GC TO PLACE CONDUITS IN A 36" BELOW GRADE TRENCH AND EXTEND TO THE NEW FIBER DEMARC INSIDE THE VZW LEASE AREA. COORDINATE EXACT ROUTING WITH VZW FCM PRIOR TO INSTALLATION.
- VZW GC TO PROVIDE AND INSTALL DUDLIK ENCLOSURE, OR APPROVED, ON THE NEWLY INSTALLED H-FRAME. COORDINATE EXACT LOCATION AND SPECIFICATIONS WITH VZW FCM PRIOR TO PURCHASE AND INSTALLATION.
- VZW GC TO PROVIDE AND INSTALL -48V DC POWER, 19" RACK AND #6 COPPER GROUND IN THE ENCLOSURE FOR FUTURE FIBER.



5615 S.W. Allen Blvd., Suite 157
Beaverton, Oregon 97005
Phone: (503) 726-3225
Fax: (503) 726-3005
E-mail: rward@rwardeng.com
Project No.: 1382.025.001
Contact: VANESSA FUGATE

DRAWING INDEX

SHEET	DESCRIPTION
T-1.0	TITLE SHEET
A-1.0	OVERALL SITE PLAN
A-2.0	PHOTOS
A-3.0	PHOTOS
A-4.0	PHOTOS
A-5.0	504-PGE VAULT SPEC
A-6.0	PGE PADMOUNT SPEC
A-7.0	644-3-PGE VAULT SPEC
A-8.0	PGE DESIGN
PG. 10	POWER EVAL

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

R&W PROJECT NO.: 1382.025.001

WALK DATES			
NO.	DATE	BY	DESCRIPTION
1	12/07/15	VAF	LOCKDOWN
2	03/24/17	VAF	POWER DESIGN

SUBMITTAL			
NO.	DATE	BY	DESCRIPTION
1	04/02/17	VAF	GENERIC FIBER

SITE NAME

POR STINGER

SITE ADDRESS

28421 E WOODARD RD
TROUTDALE, OR 97060-8317

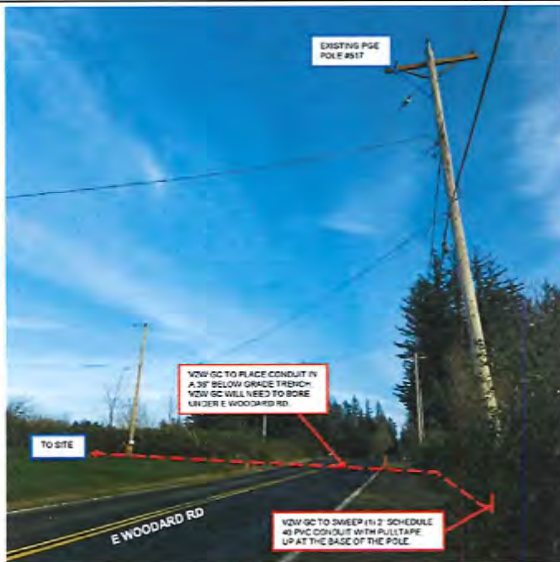
SHEET TITLE

OVERALL
SITE PLAN

SHEET NO.

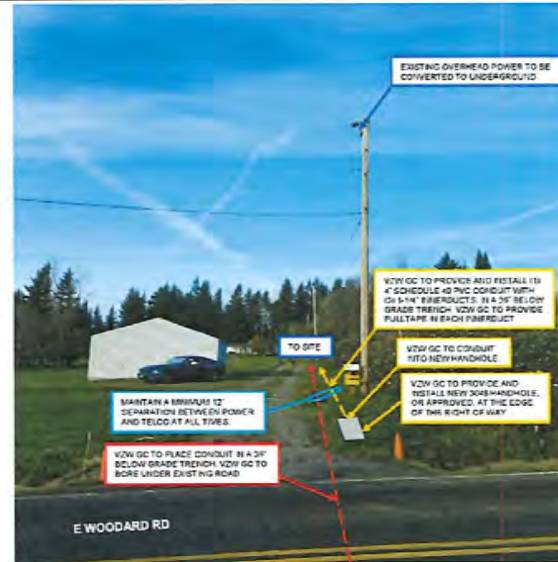
A-1.0

EXHIBIT A PG 2 OF 2



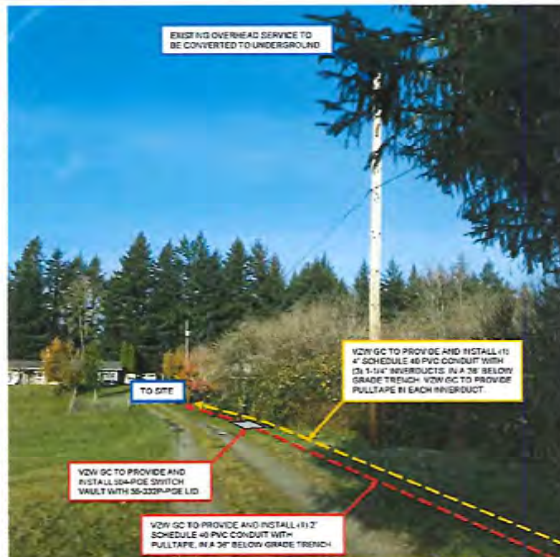
1 POWER PHOTO 1

SCALE: NTS
SCALE: NTS



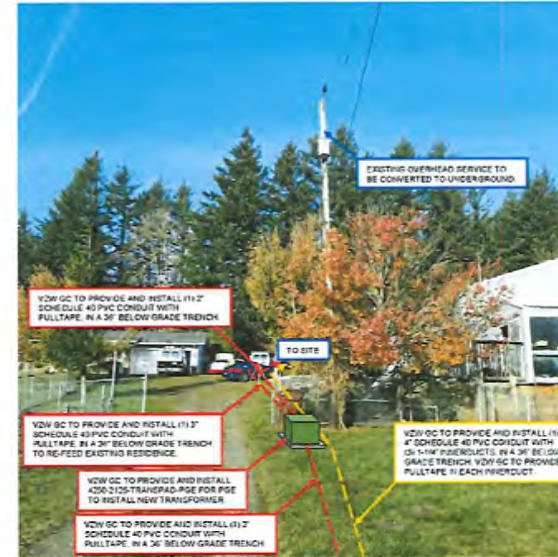
2 POWER/FIBER PHOTO 1

SCALE: NTS
SCALE: NTS



3 POWER/FIBER PHOTO 2

SCALE: NTS
SCALE: NTS



4 POWER/FIBER PHOTO 3

SCALE: NTS
SCALE: NTS



R&W
ENGINEERING, INC.
5815 S.W. Allen Blvd., Suite 107
Beaverton, Oregon 97005
Phone: (503) 726-0225
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E-mail: rwa@rweeng.com
Project No.: 1382.025.001
Contact: VANESSA FLUATE

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P. 10	POWER EMAIL

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RAW PROJECT NO.: 1382.025.001

WALK DATES			
NO.	DATE	BY:	DESCRIPTION
1	12/07/16	VAF	LOCKDOWN
2	03/24/17	VAF	POWER DESIGN

SUBMITTAL			
NO.	DATE	BY:	DESCRIPTION
1	04/04/17	VAF	GENERIC FIBER

SITE NAME
POR STINGER

SITE ADDRESS
29421 E WOODARD RD
TROUTDALE, OR 97060-8317

SHEET TITLE
PHOTOS

SHEET NO.
A-2.0