City of Cle Elum
119 West First Street
Cle Elum, WA 98922

Phone: (509) 674-2262
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CITY OF CLE ELUM
Site & Design Review / Floodplain Permit
STAFF REPORT

PROJECT:	Vertical Bridge cellular tower
APPLICANT:	Vertical Bridge c/o Technology Associates EC Inc. represented by Meghan Howey; 9725 3rd Ave NE, Suite 410, Seattle, WA 98115
DESCRIPTION:	Proposed 160-foot unmanned Wireless Telecommunications Facility on a City Owned parcel.
LOCATION:	200 South Pennsylvania Avenue, Cle Elum, WA 98922; Parcel 303134
LOT DESCRIPTION:	SW 1/4 TAX 7 & 8; SEC. 26; TWP. 20; RGE. 15
ZONING:	Industrial (CEMC 17.36)
SEPA:	Checklist and Determination of Nonsignificance
APPLICATION TYPE:	Type II
PREPARED BY:	Lucy Temple, City Planner
DATE:	February 12, 2021
DECISION:	This permit package, including Floodplain Permit and Site & Design Review is hereby ***approved***, per the conditions on page 10.
APPEAL:	The appeal process for Type II decisions is found in CEMC 17.100.130

TABLE OF CONTENTS

BACKGROUND INFORMATION:

The Applicant submitted a complete application for a Site & Design Review, State Environmental Policy Act, Floodplain Permit, and a Variance on November 25, 2020 (see Exhibits for applications, except for the Variance) for a proposed unmanned wireless telecommunications facility on an industrially zoned parcel located south of Oakes Ave near the I-90 Exit 85 overpass, Cle Elum, WA 98922 (Parcel 303134). Notice of application and a notice of SEPA comment period were sent out separately to properties within 300 feet of the proposed site and emailed to agencies with jurisdiction (see Exhibits 1-3). The applicant is currently leasing the property from the City of Cle Elum.

SITE & DESIGN REVIEW APPROVAL CRITERIA AND FINDINGS

(CEMC 17.76.040(F)(2) Criteria for Design Review Approval)

a. The proposed use is permitted within the zoning district in which it is located.

Staff Response #1
The proposed use is a permitted use within the Industrial district (CEMC 17.36.020(O)).

b. The proposed use meets the dimensional requirements of the zoning district including lot, yard, building height, and other requirements.

Staff Response #2
The proposed project will meet the requirements in the code for structures, which do not have a height limit in this zone (CEMC 17.36.050(c)). See Zoning section below.

c. The proposed design meets landscaping, screening and buffering standards of CEMC 17.64.

Staff Response #3
Landscaping plans were not submitted with the application. See Final Permit Condition #8 below for required landscaping required to meet standards.

CEMC 17.64.030 – Landscape plan approval

A building permit will not be issued until the landscape plan is approved by the City, per CEMC 17.64.030.

Staff Response #4
A landscape plan was not submitted. Conditions are pending staff review of a photo simulation of what the site is anticipated to look like to determine potential screening requirements. See Final Permit Condition #8 below.

CEMC 17.64.050 – Preservation of significant trees

Significant trees in areas in wetlands, fish and wildlife conservation areas, frequently flooded areas, geologically hazardous areas as defined in CEMC Chapter 18.01, and in the required landscaped buffer adjacent to I-90, shall be preserved. "Significant trees" are defined as existing healthy trees which, when measured four feet above grade, have a minimum diameter of eight inches for evergreen trees, or twelve inches for deciduous trees. Significant trees shall be identified by a tree survey prepared by the applicant and shall be preserved to the maximum extent possible. During construction, the applicant shall use accepted preservation techniques to protect significant trees designated for retention.

Staff Response #5
No trees are planned for removal by the project.

d. The proposed design meets the off-street parking and loading requirements of 17.56.

Staff Response #6
Due to the nature of the development as an unmanned wireless telecommunication facility, no off-street parking is required other than to accommodate periodic maintenance.

e. The standards of Chapter 18.01, maintenance, enhancement and preservation of critical areas are met.

Staff Response #7
The proposed location is relatively flat. The current Cle Elum Municipal Code (CEMC) assesses critical areas through SEPA. A Determination of Nonsignificance was issued on January 27, 2021 (see Exhibit 2). The Floodplain permit in Exhibit 3 also discusses Chapter 18.01 of the CEMC. See Final Project Condition #9 below.

f. The proposed design and use meets all other applicable sections of Cle Elum Municipal Code.

Staff Response #8
The proposed design meets applicable sections of the CEMC.

g. Public improvements are completed in compliance with applicable code sections.

Staff Response #9
Public improvements were not included in the application packages. See Final Project Condition #2 below.

h. Adequate and safe provisions are made for pedestrian and vehicle access.

Staff Response #10
See Supplementary Development Standard A/Staff Response #13, below.

i. All conditions of applicable previous approvals (SEPA review, CUP, rezones) are met.

Staff Response #11
All conditions of other approvals have been met. See also SEPA and Floodplain permit in Exhibits 2 and 3. Also see (j) below.

j. All applicable conditions and criteria found in other Cle Elum Municipal Code titles are met.

Staff Response #12
The design does and will adhere to CEMC. Reviews will take place as needed to remain in compliance with the issued permits.

The original permit application submittal included a Variance. However, the Variance was determined not to be required based upon the Cle Elum Municipal Code (CEMC) 17.36.050(c) and definitions for buildings and structures found in CEMC 17.08.070 and CEMC 17.08.370, respectively. The Variance has therefore been retracted and the City will process a refund of the associated permit fees. Due to the cancellation of the Variance, which required a public hearing, the application package has been downgraded to a Type II administrative process and no public hearing will be held.

SITE & DESIGN REVIEW SUPPLEMENTARY DEVELOPMENT STANDARDS

(CEMC 17.76.050)

A. A continuous pedestrian walkway shall be provided from the public street to access building entrances. The pedestrian walkway shall be a minimum of six feet wide and shall be elevated, protected by a curb, bollards, or landscaping otherwise protected to prevent vehicles from parking, driving or entering the walkway. The required six feet may not be encroached by vehicle overhangs. The walkway shall be composed of Portland cement concrete, brick pavers or other similar surface. Where a walkway must cross a vehicle access aisle it shall be distinguished from the driving areas by use of an alternative paving material which may be brick, payers, or scored, brushed or colored concrete.

Staff Response #13
The proposed site would be designed for minimal vehicular access and no pedestrian access is anticipated. Periodically, a light duty truck would park outside the facility as necessary for routine maintenance, and the

site would be accessible by City maintenance and emergency vehicles. Therefore, no pedestrian walkways are required.

B. Ground level mechanical equipment shall be screened with visual barriers from adjacent property, public roadways, parks or other public areas. Mechanical equipment on roofs shall be screened from ground level.

Staff Response #14
Ground equipment is proposed to be shielded by a 7-foot cyclone fence with opaque slats (see plans in Exhibit 1), and by existing native vegetation. Once a graphical depiction of the site is received, additional screening may be required as needed to reach full screening, per code. The monopole tower is proposed to be painted to match the surrounding ponderosa pine color.

C. A storage area for garbage and recycling containers shall be provided. The area shall be fully screened by a fence, wall, landscaping or combination thereof. Storage areas may not be located in a public right-of way and where an alley serves the site, shall only be accessed from the alley.

Staff Response #15
The proposal is unmanned and is not proposed to have garbage or recycling containers.

D. Predominant building materials shall be those materials that are characteristic of the historic buildings in the city or characteristic of central Washington, such a brick, wood, native stone, and tinted and textured masonry. Visible roofs should be metal. Architectural methods, such as parapets, shall be used to conceal flat roofs. Mansard roofs are prohibited.

Staff Response #16
No buildings are proposed.

E. Outdoor storage and display of materials shall be screened from streets, rights-of-way and adjacent properties may a fully site obscuring buffer consisting of appropriate fencing and landscaping.

Staff Response #17
The proposed facility does not have outdoor storage other than what has been proposed for outdoor mechanical equipment, such as electrical and generators (see item B above). All signage beyond the footprint of the leased project site is intended to be under the direct approval of the City.

F. For all uses creating over two thousand square feet of new impervious surfaces a stormwater control plan is required that treats and retains all stormwater on-site. Impervious surfaces shall include cement, concrete, packed earth and gravel or other similar surface which changes the runoff patterns from native soils.

Staff Response #18
The project proposes full dispersion and infiltration as the primary means of stormwater management in the developed condition. Final stabilization of the project site will be consistent with Ecology's Stormwater Management Manual for Eastern Washington.

G. Roofs shall be designed such that snow from the roof will not be deposited on adjacent public or private properties.

Staff Response #19
No buildings or roofs are proposed.

ZONING – Industrial Performance Standards (CEMC 17.36.040)

All permitted, conditional and accessory uses in the industrial zone shall comply with the following performance standards:

A. All uses shall be subject to strict compliance with Washington state standards for noise, odor, air quality, smoke and hazardous materials.

Staff Response #20
The application does not include noise or air quality impacts, except during construction. Diesel generators are planned to be installed for emergency power failures.

B. No person shall operate or cause to be operated any source of sound in such a manner as to create a sound level that exceeds sixty dBA in any residential district. Specifically exempted from this requirement are emergency signaling devices, operating motor vehicles and lawnmowers, railroads, or aircraft.

Staff Response #21
The application does not include noise or air quality impacts, except during construction.

C. Continuous frequent or repetitive vibrations that can be detected by a person of normal sensitivities at the property line shall not be produced. Vibrations from temporary construction activities, motor vehicles and vibrations occurring on an infrequent basis lasting less than five minutes are exempt.

Staff Response #22
The project does not include vibration causing activities.

D. Continuous, frequent or repetitive odors that exceed centimeter No. zero may not be produced. Odors lasting less than thirty minutes per day are exempt. The odor threshold is the point at which an odor may just be detected. The centimeter reading is based on the number of clear air dilutions required to reduce the odorous air to the threshold level. Centimeter No. zero is one to two dilutions of clear air.

Staff Response #23
The project does not include odor producing activities.

E. All lighting shall be arranged so as not to produce glare on public roadways and/or neighboring non-industrial properties. Welding, acetylene torch or other similar processes shall be performed inside an enclosed structure.

Staff Response #24
No lighting is proposed.

F. All vehicle travelways, parking spaces and storage areas shall be paved with Portland cement concrete, asphalt cement pavement to eliminate dust as a result of wind or usage. Open areas shall be landscaped and/or maintained to minimize dust. Sites with its only access from an unpaved city street may provide alternative dust control measures in place of the required pavement.

Staff Response #25
A small gravel driveway is included in the proposal. See Final Project Condition #2 below.

G. All uses shall be subject to the collection and suitable disposal of on-site generated water runoff. A building permit and a drainage plan shall be submitted to the planning director for approval. The collection system shall be installed and functional prior to the issuance of a final building permit.

Staff Response #26
The project proposes dispersion and infiltration. This meets the standard of the code.

H. All open storage shall be enclosed by a six-foot-high security fence and/or an attractive hedge six feet in height so as to provide a fully site obscuring buffer when adjacent to public roads, and rights-of-way and any non-industrial district.

Staff Response #27
The proposed compound includes a 7-foot fence.

ZONING – Industrial Design Standards (CEMC 17.36.050)

A. *The following setbacks from property lines and screening standards shall apply to all development in the industrial district:*

1. ***Building, parking spaces and storage areas shall be located no closer than ten feet from property lines.***

   Staff Response #28
   The proposed compound is planned for the center of the east end of the subject parcel with 50-100 feet around it on all sides, meeting the setback.

2. ***Building, parking spaces and storage areas abutting a residential zoning district shall be located no closer than twenty feet from property lines.***

   Staff Response #29
   The project is not adjacent to a residential zone.

B. *The minimum lot size for new lots is twenty thousand square feet.*

Staff Response #30
The proposal does not include a new lot.

C. *No building hereafter erected or structurally altered within or moved into the district shall exceed three stories or thirty-six feet in height.*

Staff Response #31
No buildings are proposed as part of this project. The monopole structure, electrical cabinets and generators do not meet the definition of a buildings as found in CEMC 17.08.070.

D. *A minimum of ten percent of the site shall be landscaped.*

Staff Response #32
The project proposes full dispersion and infiltration as the primary means of stormwater management in the developed condition. Final stabilization of the project site will be consistent with Ecology's Stormwater Management Manual for Eastern Washington.

STATE ENVIRONMENTAL POLICY ACT (SEPA)

SEPA was processed for the project and a Determination of Nonsignificance (DNS) was issued on January 27, 2021 with a comment period ending on February 11, 2021. See Exhibit 2 for complete SEP-2020-009 package.

The SEPA notice was posted onsite, at City Hall and the City library, provided to all agencies with jurisdiction, mailed to properties within 300 feet, shared on the City's website and Facebook page, and posted in the local newspaper on January 28, 2021 and February 4, 2021.

FLOODPLAIN PERMIT

The project's floodplain permit package is attached as Exhibit 3 and Final Project Condition #9 below.

CONSTRUCTION

Proposed Best Management Practices (BMPs) were not included in the civil plans. The applicant shall submit a construction plan that shows haul route, and proposed BMPs to the City Planner and Public Works Director prior to the pre-construction meeting.

A draft interim grading authorization has been included as Exhibit 4, and as Final Project Condition #6 below. A word version of this document will be distributed to the applicant and will include construction BMPs and emergency contact information. The final document will be provided to both parties prior to start of construction.

Due to the high probability for discovery of cultural and archaeological resources in Cle Elum, and a higher probability in floodplain areas, an inadvertent discovery plan has been included as Exhibit 5 and is included in Final Project Condition #7 below.

AGENCY AND PUBLIC COMMENTS

The Washington State Department of Transportation, Washington State Department of Archaeology and Historic Preservation, and the City's Consultant HLA comment letters, as well as community comments are included as Exhibit 6.

COMPREHENSIVE PLAN CONSISTENCY

CEMC 17.76.040(C), requires the project to be consistent with the current City comprehensive plan. Plan consistency is included as Exhibit 7.

RELATED PERMITS AND APPROVALS

Pre-application Review	PREAP-2020-004	Site & Design Review	SDR-2020-006
SEPA	SEP-2020-009	Floodplain	FP-2020-004
Building Permit	**TBD**	**City Business License**	**TBD**

FINAL PROJECT CONDITIONS

The following Final Project Conditions are those which are not already designed into the project. Staff recommends the building permit be contingent upon the following Final Project Conditions:

1. **Plan Submittal.** The applicant shall review all comments, requirements, and conditions and revise plans and submittals as requested. Any outstanding issues shall be addressed prior to receiving a passing site inspection prior to building occupancy and will be managed within the building permit.
2. **Public Improvements.** A paved approach/entrance apron shall be included adjacent to the Oakes Avenue entrance to the project site. An updated plan sheet shall be submitted reflecting this change. See Staff Responses #9 and #25 above.
3. **Screening.** A photo simulation of the project shall be submitted to determine final screening requirements of ground level mechanical equipment. Mechanical equipment on roofs shall be screened from ground level. All mechanical equipment, fencing, and other ground-level structures and equipment shall be required to be color matched to the surrounding trees for maximum blending with the natural setting, as determined by the Mayor or his designee. See Staff Response #4 above.
4. **Other Aesthetics.** Proposed monopole and other equipment shall be color matched to the surrounding pine tree dominant vegetation to achieve a "stealth" camouflaged appearance. Color choices shall be those found within the executed ground lease between the City and Vertical Bridge approved at the 12/14/2020 City Council meeting.
5. **Construction.** The applicant shall submit proposed BMPs and haul route prior to the pre-construction meeting (see CONSTRUCTION above). The City Planner, Public Works Director, and Building Official shall be invited to the pre-construction meeting.
6. **Construction Methods.** The applicant shall work with the City to execute an Interim Grading Authorization prior to any ground disturbing activities. The applicant shall adhere to Interim Grading Authorization conditions (see Exhibit 4), including maintaining and modifying BMPs as necessary. See also CONSTRUCTION above.
7. **Cultural Resources**. The Inadvertent Discovery Plan, as required by the Department of Archaeology and Historic Preservation shall be kept onsite at all times during ground disturbing activities (see Exhibit 5). See also CONSTRUCTION above.

8. **Landscape Plan and Construction.** Landscaping shall adhere to CEMC 17.64. All disturbed areas shall be revegetated with native vegetation, including grasses, shrubs, and trees. A landscape plan shall be submitted and shall include a plant list for approval where revegetation may be needed. The landscape plan shall be approved prior to issuing the building permit. See Staff Responses #3 and #4 above.
9. **Floodplain Permit.** See Staff Response #7 above. The floodplain permit is included as Exhibit 3 and the final conditions are included below.
    a. The applicant shall provide an annotated existing site plan that shows the floodplain boundary.
    b. The applicant shall provide the volume of any fill above highest adjacent grade, and any structures from 0-2 feet above the adjacent grade, for the project record and demonstrate adherence to the additional conditions below before the building permit will be issued for this project. Using the collected onsite elevations, the applicant will adhere to the additional conditions below.
    c. Any structures from 0-2 feet above highest adjacent grade shall be floodproofed, otherwise elevate utilities 2 feet above highest adjacent grade.
10. **Flood proofing and engineering.** The developer shall demonstrate how each requirement of CEMC 18.01.070(E) will be met by the development. See Staff Response #7. This condition will be managed within the building permit.
11. **Signs.** All signage beyond the footprint of the leased project site area shall be approved by the City prior to installation.
12. **Building Permit.** Building code requirements will be handled during the building permit process. The building permit shall be conditioned to include the Final Project Conditions of this Site and Design Review.
13. **Building Occupancy.** All conditions shall be met before final building permit approval to utilize the structure.
14. **Construction Hours/Days.** Construction of the facility will be permitted Monday-Friday 7am-10pm, unless special permission is received from the City to deviate from these hours.
15. **Additional Permits and Licenses.** The applicant shall obtain all approvals listed in the Related Permits and Approvals section above, prior to construction or operation, as applicable.

EXHIBIT 1. SITE & DESIGN REVIEW APPLICATION PACKAGE (SDR-2020-006)

- Notice of Application, application package, narrative, plans, noise report, zoning map, updated landscape plan
- For comments received see Exhibit 6

November 24, 2020

City of Cle Elum
Planning Department
119 West First Street
Cle Elum, WA 98922

VIA FedEx and Dropbox

Vertical Bridge Site ID:	US-WA-5105 Cle Elum DT
Site Addresses:	200 South Pennsylvania Ave, Cle Elum, WA 98922
Zoning:	Industrial (I)
Parcel Number:	303134
RE:	Type II Site and Design Review Application, Type II Floodplain Permit, Type III Variance Application, State Environmental Policy Act (SEPA) Application

Dear City of Cle Elum Planning Department,

Pursuant to the official notes from the Pre-Application Conference Meeting, we are pleased to submit the above-referenced permit applications for your review and approval.

Should you require any additional information, please call or email me as provided below. Thank you for your time and consideration of these applications.

Thank you,

Meghan Howey
Technology Associates EC INC.
Real Estate Specialist II | meghan.howey@taec.net | (253) 682-8556
9725 Third Avenue NE, Suite 410 | Seattle | WA | 98115

Enclosures

119 West First Street
Cle Elum, WA 98922

Telephone · (509) 674-2262
Fax · (509) 674-4097

www.cityofcleelum.com

Stamp & initial

Received electronically by Lucy Temple on 11/25/2020

SITE AND DESIGN REVIEW APPLICATION

This application is required for most non-single family development within the city.

*The purpose of this permit is to assist in regulating the grading, excavation and filling of land in order to minimize erosion and sedimentation of watercourses and wetlands, minimize the need for and maintenance of drainage facilities, minimize adverse effects on ground and surface waters, minimize their potential for earth slides and slippage, and maintain the maximum natural vegetation. See **CEMC 17.76** for additional information.*

OFFICAL USE ONLY	
Permit #:	SDR-2020-006
Staff Person:	Lucy Temple
Fee Total:	$525 - Paid
Related Permits:	PREAP-2020-004; SEP-2020-009; FP-2020-004; VAR-2020-002

Applicant	
Name: Vertical Bridge c/o Technology Associates EC Inc., Meghan Howey	
Mailing Address: 9725 3rd Ave NE, Suite 410, Seattle, WA 98115	
Phone Number: (253) 682-8556	Email: meghan.howey@taec.net
Property Owner	Same as Applicant ☐
Name: City of Cle Elum	
Address: 119 West First Street, Cle Elum, WA 98922	
Phone Number: (509) 674-2262	Email:
Project Information	
Project Name: Vertical Bridge US-WA-5105 Cle Elum DT	
Project Location Address: 200 South Pennsylvania Ave, Cle Elum, WA 98922	
Assessor's Parcel No. 303134	Zoning: Industrial (I)

Description of project:

Vertical Bridge proposes to construct a new telecommunication facility with a 50 x 50 equipment area, 160' monopole, and ancillary equipment per plans.

Site and Design Review Application Criteria[1]		
1.	Written narrative description of-uses, types of structures proposed, hours of operation, abutting properties, proposed access, frequency of deliveries, and construction schedule, including any proposed phasing of development	
2.	Two hard copies and one electronic copy (PDF) of an existing conditions plan drawn to a minimum scale of one inch equals two hundred feet on a sheet no larger than twenty-four inches by thirty-six inches and including one reduced size copy no larger than legal size. The existing conditions plan shall contain the following features	
x	a.	The subject property boundaries
x	b.	Dimensions and size
x	c.	Current structural or landscape setbacks
x	d.	Location of existing on-site driveways and access points within one hundred feet of the subject site
x	e.	Location and dimension of any on-site structures
x	f.	Location of utilities
x	g.	Location of the nearest fire hydrant
x	h.	Location of existing structures within one hundred feet of the site
x	i.	Locations and dimensions of adjacent public or private roads and right-of-way or easements
x	j.	Approximate location of significant natural features including slopes over twenty-five percent, waterbodies, rock outcrops, wetland areas, areas of significant vegetation, the location of trees or groups of trees over six inches in diameter, and the location of any critical areas
3.	Two hard copies and one electronic copy (PDF) of a site plan drawn to a minimum scale of one inch equals two hundred feet on a sheet no larger than twenty-four inches by thirty-six inches and including one reduced size copy no larger than legal size. The site plan shall contain the following information:	
x	a.	The subject property boundaries
x	b.	Dimensions and size
x	c.	Location
x	d.	Dimensions and height of all proposed structures
x	e.	Location of building accesses
x	f.	Proposed setbacks

N/A	g.	Proposed phasing
N/A	h.	Proposed landscaping
x	i.	Location and dimensions of vehicle and pedestrian access points and circulation routes
N/A	j.	The location of all proposed on-site parking including provisions for handicap parking
N/A	k.	Any easements
x	l.	The location of any proposed lights, and any other proposed site improvements
4.	Two hard copies and one electronic copy (PDF) of proposed architectural elevations.	
5.	Preliminary grading, erosion control and stormwater plan	
6.	Preliminary utility plan	
7.	Any other items that are necessary to review the proposed development	
8.	Payment of a fee that is consistent with the City of Cle Elum's fee schedule	
Decision Criteria		
1.	In conducting the design review process, it shall be the responsibility of the planning director or designee to review designs for compliance with all the provisions of the zoning code and any other applicable regulations that affect the design of a development.	
2.	In reviewing design plans the planning director shall consider the following standards have been met. This section does not list all the standards against which the application will be reviewed, the following are listed to indicate the various requirements of development. Failure to comply with – the listed requirements or other requirements not listed here shall be ground for denial of design review approval.	
X	a.	The proposed use is permitted within the zoning district in which it is located.
X	b.	The proposed design meets the dimensional requirements of the zoning district including lot, yard, building, height and other requirements. Variance for height
X	c.	The proposed design meets landscaping, screening and buffering standards of CEMC 17.64.
N/A	d.	The proposed design meets the off-street parking and loading requirements of CEMC 17.56.
X	e.	The standards of CEMC 18.01, maintenance, enhancement and preservation of critical areas are met.
N/A	f.	Public improvements are completed in compliance with applicable code sections.
X	g.	Adequate and safe provisions are made for pedestrian and vehicle access.

X	h.	All conditions of applicable previous approvals (SEPA review, CUP, rezones) are met.
X	i.	All applicable conditions and criteria found in other Cle Elum Municipal Code titles are met.

Authorization

The undersigned hereby certifies that this application has been made with the consent of the lawful property owner(s) and that all information submitted with this application is complete and correct. False statements, errors, and/or omissions may be sufficient for denial of the request. This application gives consent to the City to enter the properties listed above for the purposes of inspecting and verifying information presented in this application. The applicant further agrees to pay all fees specified in the City's fee schedule for the permit and expenses associated with the review of the application. The applicant gives consent to the City to enter the property(s) listed above for the purpose of inspecting and verifying information presented in this application.

Applicant Signature: Robert Omans ← Land Owner	Date: December 31, 2020

1. The application will not be processed and deemed incomplete if not all required criteria is not attached to application on the day of submission. The Planner may chooses to wave some of the required criteria. If any of the required criteria is provided in another permit please cite that permit.

Vertical Bridge US-WA-5105 Cle Elum DT

Dear City of Cle Elum Planning Department,

As codified under CEMC 17.76.040(B)(1), a narrative for this project is provided as part of the Site and Design Review application.

Description of uses: Telecommunication

Types of structure proposed: Vertical Bridge 160' AGL Steel Monopole, 50' x 50' fenced compound for equipment, and T-Mobile Wireless Communication Facility (WCF) attached to proposed monopole.

Hours of operation: Unstaffed - N/A

Abutting properties: Parcels 959748 (general commercial), 833835 (industrial), 823835 (industrial), and I-90

Proposed access: S Oaks Avenue

Frequency of deliveries: No deliveries required – N/A

Construction schedule including any proposed phasing of development: No proposed phasing of development. Construction schedule dependent on permit approval. Early 2021.

Should you require any additional information, please call or email me as provided below.

Thank you,

Meghan Howey
Technology Associates EC INC.
Real Estate Specialist II | meghan.howey@taec.net | (253) 682-8556
9725 Third Avenue NE, Suite 410 | Seattle | WA | 98115

T-Mobile

CITY OF CLE ELUM/STORAGE FACILITY
SITE NUMBER: SE09034F

Technology Associates

CLE ELUM DT

200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

RFDS: VER: 1
PROJECT: INFILL/ROB/GREENFIELD

SITE NUMBER: US-WA-5105

LATITUDE 47° 11' 32.69" N (47.192414) **LONGITUDE 120° 56' 12.53" W (-120.936814)**
GROUND ELEVATION: 1905.6' AMSL

GENERAL LOCATION MAP

VICINITY MAP

DRIVING DIRECTIONS

FROM T-MOBILE BOTHELL 4 OFFICE:

1. DEPART SOUTH ON NORTH CREEK PKWY 0.3 MI
2. TURN RIGHT ONTO NE 195TH ST 0.3 MI
3. TAKE RAMP LEFT FOR I-405 SOUTH TOWARD RENTON 12.9 MI
4. AT EXIT 11, TAKE RAMP RIGHT FOR I-90 EAST TOWARD SPOKANE 73.4 MI
5. AT EXIT 84, TAKE RAMP RIGHT TOWARD CLE ELUM / S. CLE ELUM 0.5 MI
6. KEEP STRAIGHT ONTO W 1ST ST / 1ST ST W 0.8 MI
7. TURN RIGHT ONTO N OAKS AVE 348 FT
8. ROAD NAME CHANGES TO S OAKES AVE 0.2 MI
9. TURN RIGHT ONTO S PENNSYLVANIA AVE 85 FT

ARRIVE AT 200 S PENNSYLVANIA AVE, CLE ELUM, WA 98922

ZONING INFORMATION

SITE NUMBER:	US-WA-5105
SITE NAME:	CLE ELUM DT
SITE ADDRESS:	200 SOUTH PENNSYLVANIA AVE CLE ELUM, WA 98922
PARCEL #:	303134
CURRENT ZONING:	INDUSTRIAL
JURISDICTION:	CITY OF CLE ELUM
GOV CODE:	2015 IBC, STANDARDS & AMENDMENTS, WAC 51-50
BUILDING TYPE:	--
SITE TYPE:	UNSTAFFED TELECOMM FACILITY

UTILITY PURVEYOR

POWER COMPANY:	TBD
TELCO COMPANY:	TBD

LEGAL DESCRIPTION

ABBREVIATED PER ASSESSOR RECORDS.

ACRES 18.17, SW 1/4– TAX 7 & 8; SEC. 26; TWP. 20; RGE. 15

PROJECT TEAM

PROPERTY OWNER:	CITY OF CLE ELUM
PROJECT MANAGER:	TAEC BARBARA CHANEY 9725 THIRD AVE NE, SUITE 410 SEATTLE, WA 98115 PHONE: (206) 310-0477 barbara.chaney@taec.net
CONSTRUCTION MANAGER:	TAEC KEVIN KITCH 9725 THIRD AVE NE, SUITE 410 SEATTLE, WA 98115 PHONE: (425) 306-3909 kevin.kitch@taec.net
SITE ACQUISITION:	TAEC MEGHAN HOWEY 9725 THIRD AVE NE, SUITE 410 SEATTLE, WA 98115 PHONE: (253) 682-8556 meghan.howey@taec.net
ZONING:	TAEC MEGHAN HOWEY 9725 THIRD AVE NE, SUITE 410 SEATTLE, WA 98115 PHONE: (253) 682-8556 meghan.howey@taec.net
RF ENGINEER:	T-MOBILE GREG APELO 19807 NORTH CREEK PKWY N BOTHELL, WA 98011 602-554-7141
SURVEYOR:	DUNCANSON COMPANY 145 SW 155TH STREET, SUITE 102 SEATTLE, WA 98166 PHONE: (206) 244-4141
CONSULTING ENGINEER:	B.J. THOMAS, P.E. 7607 80TH AVE NE MARYSVILLE, WA 98270 PHONE: 206-851-1106 bjthomas@bjthomaspe.comcastbiz.net

PROJECT DESCRIPTION

VERTICAL BRIDGE PROPOSES TO CONSTRUCT AN UNSTAFFED TELECOMMUNICATIONS FACILITY CONSISTING OF BTS EQUIPMENT LOCATED IN 50' x 50' CHAIN LINK FENCED COMPOUND ON PRIVATE PROPERTY WITH ANTENNAS LOCATED ON A NEW 160' AGL STEEL MONOPOLE.

PROJECT INFORMATION

THIS IS UNSTAFFED AND RESTRICTED EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
T-MOBILE CERTIFIES THAT THIS TELEPHONE EQUIPMENT FACILITY WILL BE SERVICED ONLY BY T-MOBILE EMPLOYEES AND THE WORK ASSOCIATED WITH ANY EQUIPMENT CANNOT BE PERFORMED BY HANDICAPPED PERSONS. THIS FACILITY WILL BE FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR PURPOSES. PURSUANT TO THE AMERICANS WITH DISABILITIES ACT (ADA), APPENDIX B SECTION 4.11. (5)(b), THIS FACILITY IS EXEMPT FROM THAT ACT.
NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
NO WASTE WATER OR SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
T-MOBILE MAINTENANCE CREW (ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER TRIP.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING ON THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:
2015 IBC, STANDARDS & AMENDMENTS, WAC 51-50
2015 IMC, STANDARDS & AMENDMENTS, WAC 51-52
2015 IFC, STANDARDS & AMENDMENTS, WAC 51-54
2015 NFPA 54 - NATIONAL FUEL GAS CODE (PROPANE INSTALLATIONS ONLY)
2014 NFPA 58 - LIQUEFIED PETROLEUM GAS CODE (PROPANE INSTALLATIONS ONLY)
2015 INTERNATIONAL FIRE CODE
2015 UPC, STANDARDS & AMENDMENTS, WAC 51-56, 51-57
2017 NATIONAL ELECTRICAL CODE
2012 NATIONAL ELECTRIC SAFETY CODE
LOCAL BUILDING CODE ORDINANCES
ANSI / TIA / EIA - 222 - G
NFPA-101 - LIFE SAFETY CODE

DRAWING INDEX

T-1	TITLE SHEET & PROJECT DATA
G-1	GENERAL NOTES
A-1	OVERALL SITE PLAN
A-1.1	SITE PLAN
A-1.2	ENLARGED SITE PLAN
A-2	SITE ELEVATION
A-3	BTS EQUIPMENT DETAILS
A-4	GENERAL DETAILS
A-5	GENERAL DETAILS
A-6	GENERAL DETAILS
A-7	GENERAL DETAILS
A-8	FENCE DETAILS
A-9	FENCE DETAILS
A-10	GENERATOR DETAILS
SV1	LAND SURVEY (BY OTHERS)
E-1	ELECTRICAL SITE PLAN
E-1.1	ELECTRICAL DETAILS
E-2	ELECTRICAL GROUNDING PLAN
E-3	ELECTRICAL GROUNDING DETAILS
RF-1	RF DETAILS
RF-2	RF DETAILS
1 OF 1	DRAINAGE, GRADING, TESC & SWPP PLAN (BY OTHERS)

APPROVAL/SIGN OFF OF CONST DRAWINGS

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

CONSULTANT GROUP SIGN OFF

LANDLORD'S REPRESENTATIVE:	DATE:
CONSTRUCTION MANAGER:	DATE:
CONSTRUCTION PROJECT MANAGER:	DATE:
PROJECT MANAGER:	DATE:
SITE ACQUISITION:	DATE:
ZONING:	DATE:
RF ENGINEER:	DATE:

SAFETY PRECAUTION SHALL BE IMPLEMENTED BY CONTRACTOR(S) AT ALL TRENCHING IN ACCORDANCE WITH CURRENT OSHA STANDARDS

CALL TWO WORKING DAYS BEFORE YOU DIG

811

NATIONAL UTILITIES UNDERGROUND LOCATE

ELECTRIC - RED
SEWER - GREEN
GAS/OIL - YELLOW
SURVEY - PINK
TEL/CATV - ORANGE
PROPOSED - WHITE
WATER - BLUE

T-Mobile
vertical bridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:
7	11/17/2020	ADDING LIGHTENING ROD	BJT
6	11/10/2020	REVISED PER REDLINES	BJT
5	10/29/2020	DRAINAGE PLAN ADDED	BJT
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2	2/25/2020	UPDATED SURVEY ADDED	BJT
1	2/12/2020	ISSUED DESIGN REVIEW	BJT

PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY: JL **CHK. BY:** BJ

LICENSURE:

B. J. THOMAS — STATE OF WASHINGTON — 37041 — REGISTERED PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS AND OMISSIONS. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN WHICH IS RELATED TO NAMED CLIENT IS STRICTLY PROHIBITED.

DRAWING TITLE:

TITLE SHEET

DRAWING NUMBER:

T-1

GENERAL NOTES:

1. DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, THIS SET OF DOCUMENTS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSED ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ANY REQUIREMENTS DEEMED NECESSARY TO COMPLETE INSTALLATION AS DESCRIBED IN THE DRAWINGS AND OWNER'S PROJECT MANUAL.

2. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS AND STANDARDIZED DETAILS THAT REQUIRE MODIFICATIONS DUE TO ACTUAL FIELD CONDITIONS AND REQUIREMENTS MUST BE SUBMITTED TO AND APPROVED BY, T-MOBILE WIRELESS REPRESENTATIVE PRIOR TO START OF WORK.

3. PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT. CONTRACTORS SHALL VISIT THE CONSTRUCTION SITE WITH THE CONSTRUCTION/CONTRACT DOCUMENTS TO VERIFY FIELD CONDITIONS AND CONFIRM THAT THE PROJECT WILL BE ACCOMPLISHED AS SHOWN. PRIOR TO PROCEEDING WITH CONSTRUCTION, ANY ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER VERBALLY AND IN WRITING.

4. THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.

5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, SAFETY, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

7. ALL WORK PERFORMED ON THE PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL 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, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.

8. GENERAL CONTRACTOR SHALL PROVIDE, AT THE PROJECT SITE, A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS INVOLVED WITH THE PROJECT. THIS SET IS A VALID CONTRACT DOCUMENT ONLY IF THE TITLE SHEET IS STAMPED IN RED INK "FOR CONSTRUCTION" AND EACH SUCCESSIVE SHEET BEARS THE ARCHITECT'S/ENGINEER'S SIGNED WET STAMP.

9. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES.

10. THE CONTRACTOR SHALL MEET ALL OSHA REQUIREMENTS FOR ALL INSTALLATIONS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING CONSTRUCTION AND REPAIR ALL DAMAGES TO BETTER THAN NEW CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT OF ANY DAMAGE TO THE BUILDING SITE OR ANY ADJACENT STRUCTURES AROUND THE PROJECT. THE T-MOBILE REPRESENTATIVE SHALL BE SOLE AND FINAL JUDGE AS TO THE QUALITY OF THE REPAIRED CONSTRUCTION. ANY ADDITIONAL MODIFICATIONS WHICH MUST BE MADE SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.

12. WHERE NEW PAVING, CONCRETE SIDEWALKS OR PATHS MEET EXISTING CONSTRUCTION, THE CONTRACTOR SHALL MATCH THE EXISTING PITCH, GRADE, AND ELEVATION SO THE ENTIRE STRUCTURE SHALL HAVE A SMOOTH TRANSITION.

13. THE CONTRACTOR SHALL MODIFY THE EXISTING FLOORS, WALL, CEILING, OR OTHER CONSTRUCTION AS REQUIRED TO GAIN ACCESS TO AREAS FOR ALL MECHANICAL, PLUMBING, ELECTRICAL, OR STRUCTURAL MODIFICATIONS. WHERE THE EXISTING CONSTRUCTION DOORS, PARTITIONS, CEILING, ETC., ARE TO BE REMOVED, MODIFIED, OR REARRANGED OR WHERE THE EXPOSED OR HIDDEN MECHANICAL, ELECTRICAL, SYSTEMS ARE ADDED OR MODIFIED, THE GENERAL CONTRACTOR SHALL REPAIR, PATCH AND MATCH ALL EXISTING CONSTRUCTION AND FINISHES OF ALL FLOORS WALLS AND CEILINGS. WHERE CONCRETE MASONRY CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL TOOTH IN ALL NEW CONSTRUCTION TO MATCH THE EXISTING BOND. WHERE CONCRETE CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL VERIFY THE EXACT DETAILS TO BE USED FOR CONSTRUCTION. ALL WORK SHALL BE COVERED UNDER THE GENERAL CONTRACT.

14. IF CONTRACTOR OR SUBCONTRACTOR FIND IT NECESSARY TO DEVIATE FROM ORIGINAL APPROVED PLANS, THEN IT IS THE CONTRACTOR'S AND THE SUBCONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CONSULTANT WITH 4 COPIES OF THE PROPOSED CHANGES FOR HIS APPROVAL BEFORE PROCEEDING WITH THE WORK. IN ADDITION THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY APPROVALS FROM THE BUILDING AUTHORITIES FOR THE PROPOSED CHANGES BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY INSPECTIONS AND APPROVALS FROM BUILDING AUTHORITIES DURING THE EXECUTION OF THE WORK.

15. CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF PROJECT AREA DURING CONSTRUCTION.

16. THE CONTRACTOR SHALL PERFORM WORK DURING OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS.

17. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHAL APPROVED MATERIALS AS APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY LOCATES, SCHEDULING, COORDINATING SPECIAL AND BUILDING DEPARTMENT INSPECTIONS.

19. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND UTILIZING ORIGINAL ROOFING CONTRACTOR AS REQUIRED TO MAINTAIN ANY EXISTING ROOFING WARRANTY.

20. ROUTING OF ALL CONDUITS, CABLES, CABLE TRAYS ETC ARE INDICATED AS PROPOSED LOCATION ONLY. CONFIRM THE EXACT LOCATION AND ROUTING WITH THE ON SITE T-MOBILE CONSTRUCTION MANAGER PRIOR TO STARTING WORK.

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318 AND THE SPECIFICATION CAST-IN-PLACE CONCRETE.

2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS UNO.

3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNO.

4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS: CONCRETE CAST AGAINST EARTH - 3 IN. CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER .....2 IN.
#5 AND SMALLER & WWF .....11/2 IN.

5. A 1/2" TROWELED RADIUS SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNO. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MFR RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN THE ELEVATED SLAB.

6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES.

7. FLOAT SURFACE SHALL BE A SMOOTH FINISH, SURFACE SHALL BE FREE OF ALL OBVIOUS DEPRESSIONS. SURFACE SHALL BE SLOPED AT 2% TO PROMOTE DRAINAGE AWAY FROM EQUIPMENT.

ABBREVIATIONS

AC	AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
ALUM	ALUMINUM
	ANCHOR BOLT
	ANGLE
ARCH	ARCHITECTURAL
BTS	BASE TRANSMISSION SYSTEM
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
B.O.	BOTTOM OF
BOC	BOTTOM OF CONCRETE
BOS	BOTTOM OF STEEL
	CONTROL JOINT
	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CTR	CENTER
DIA / □	DIAMETER
DTL	DETAIL
	EXISTING
EA	EACH
	EXPANSION JOINT
ELEC	ELECTRIC/ELECTRICAL
	ELEVATION
EQ	EQUAL
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
	FLOOR DRAIN
FIN	FINISH
FIN FLR	FINISH FLOOR
FLR	FLOOR
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GYP	GYPSUM
GB	GYPSUM BOARD
HM	HOLLOW METAL
HOR	HORIZONTAL
HR	HOUR
	HEIGHT
HVAC	HEATING VENTILATION AIR CONDITIONING
INSUL	INSULATION
INT	INTERIOR

JT	JOINT
LAM	LAMINATED
LF	LINEAL FOOT
MANUF	MANUFACTURER
MAX	MAXIMUM
MECH	MECHANICAL
MH	MANHOLE
MM	MILLIMETER
MIN	MINIMUM
MISC	MISCELLANEOUS
MPH	MILES PER HOUR
MTL	METAL
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
(P)	PROPOSED
PCS	PERSONAL COMMUNICATION SYSTEM
P	PLATE
PR	PAIR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
RAD	RADIUS
RD	ROOF DRAIN
REINF	REINFORCED/REINFORCING
REQ'D	REQUIRED
RM	ROOM
R/W	RIGHT OF WAY
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SIM	SIMILAR
SQ FT	SQUARE FOOT
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
TEMP	TEMPORARY
THK	THICK
T.O.	TOP OF
TOS	TOP OF STEEL
TOC	TOP OF CONCRETE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
W/	WITH
WWM	WELDED WIRE MESH

LEGENDS & SYMBOLS

CHAIN LINK FENCE — X — X — X — X — X —

CEDAR FENCE

POWER — P — P — P — P — P — P — P — P — P — P —

TELCO — T — T — T — T — T — T — T — T — T —

POWER/TELCO — P — T — P — T — P — T — P — T —

COAX — COAX — COAX — COAX — COAX — COAX —

OVERHEAD POWER — OH — OH — OH — OH — OH —

CENTERLINE

REVISION BUG

ELEVATION VIEW BUG — 1 — DETAIL NUMBER — SHEET NUMBER

ELEVATION VIEW BUG — TOP OF XXXXX — XXX'-X" AGL

DETAIL BUG — DETAIL NUMBER — SHEET NUMBER

SECTION BUG — DETAIL NUMBER — SHEET NUMBER

SITE WORK NOTES:

1. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

2. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PCS EQUIPMENT, TOWER AREAS, AND ADJACENT BUILDINGS.

3. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

4. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO THE CRUSHED STONE APPLICATION.

5. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.

6. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.

7. THE AREAS OF THE CUSTOMER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING, DRIVEWAY OR CRUSHED STONE, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH AS SPECIFIED IN THE SPECIFICATION LANDSCAPE WORK.

8. BEDDING MATERIAL FOR UTILITY LINES, CULVERTS AND PIPING: CLEAN SAND, MEDIUM TP COARSE, SUB ROUNDED NATURAL RIVER OR BANK SAND, WASHED, FREE OF SILT OR CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS, AND ORGANIC MATER; GRADED IN ACCORDANCE WITH THE FOLLOWING GRAIN SIZE DISTRIBUTION:

SIEVE SIZE	PERCENT PASSING
3/8"	100
NO. 4 MESH	60-90
NO. 8 MESH	0-45
NO. 16 MESH	0-25
NO. 100 MESH	0-2
NO. 200 MESH	0-2

9. BMP'S FOR TEMPORARY EROSION/SEDIMENTATION CONTROL SHALL BE IMPLEMENTED PER LOCAL, CITY OR COUNTY GUIDELINES AND PER PLAN IF APPLICABLE.

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC 2015 SECTION 1704.

SOILS/GEOTECHNICAL:
- □ SHORING INSTALLATION AND MONITORING
- □ OBSERVE AND MONITOR EXCAVATION
- □ VERIFY SOIL BEARING _____ psf BEARING
- □ SUBSURFACE DRAINAGE PLACEMENT
- □ VERIFY FILL MATERIAL AND COMPACTION
- □ VERIFY CONDITIONS AS ANTICIPATED
- □ PILE PLACEMENT (AUGER CAST/DRIVEN PILE)
- □ OTHER

REINFORCED CONCRETE:
- □ REINFORCING STEEL AND CONCRETE PLACEMENT
- □ PRESTRESSED/PRECAST CONCRETE FABRICATION AND ERECTION
- □ BATCH PLANT INSPECTION
- □ SHOTCRETE
- □ GROUTING
- □ OTHER

STRUCTURAL STEEL:
- □ FABRICATION AND SHOP WELDS
- □ ERECTION AND FIELD WELDS AND BOLTING
- □ OTHER: _____

STRUCTURAL ALUMINUM:
- □ FABRICATION AND SHOP WELDS
- □ ERECTION AND FIELD WELDS AND BOLTING
- □ OTHER: _____

STRUCTURAL MASONRY:
- □ CONTINUOUS
- □ PERIODIC
- □ OTHER: _____

MISCELLANEOUS:
- □ OTHER: _____

ANCHORING TO CONCRETE:
- □ BOLTS INSTALLED IN CONCRETE
- □ POST-INSTALLATION ADHESIVE ANCHORS
- □ POST-INSTALLATION MECHANICAL ANCHORS

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:
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PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS — STATE OF WASHINGTON — 37041 — REGISTERED PROFESSIONAL ENGINEER
11/23/2020

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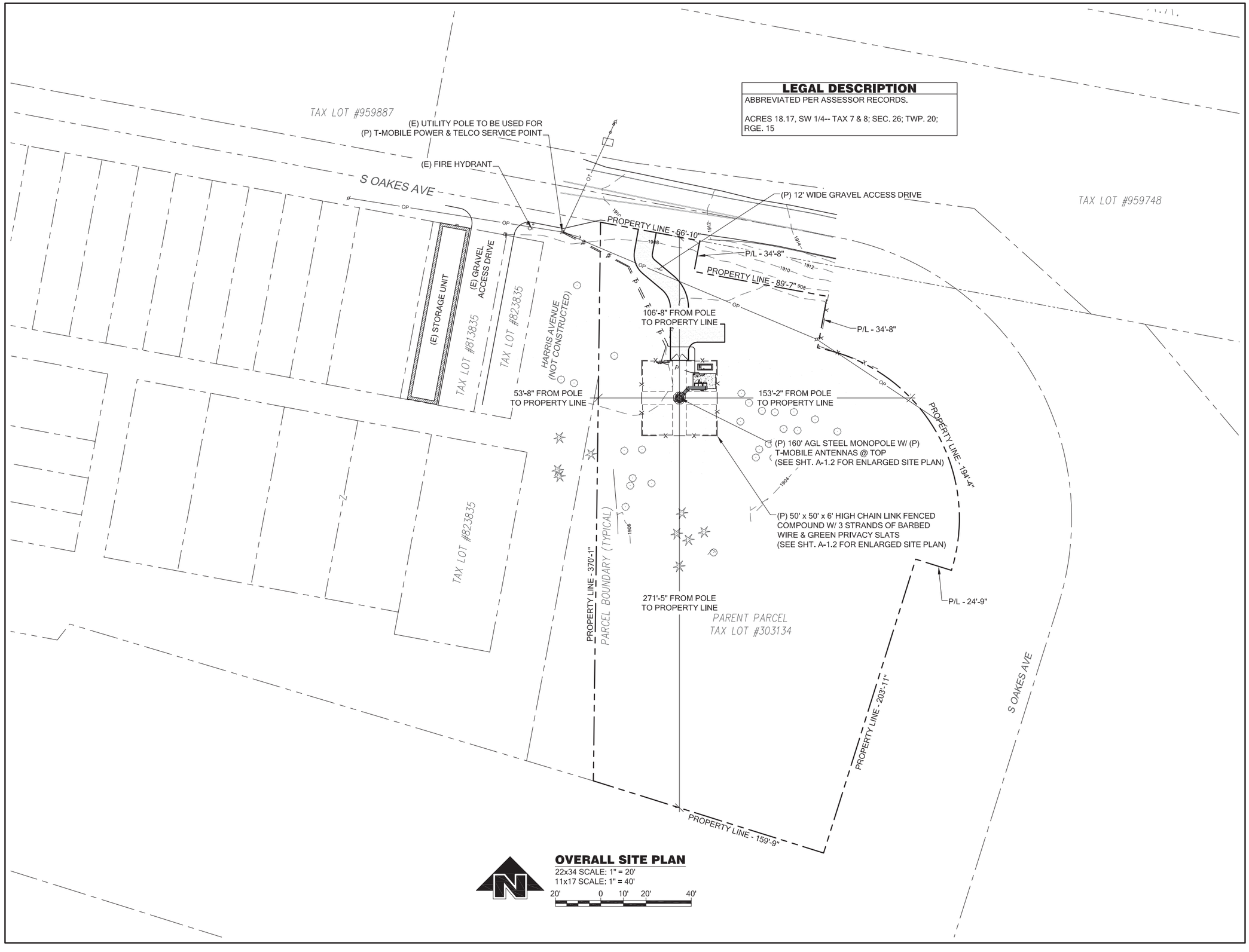
DRAWING TITLE:

GENERAL NOTES

DRAWING NUMBER:

G-1



T-Mobile

verticalbridge

PROJECT INFORMATION:

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US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

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11/23/2020

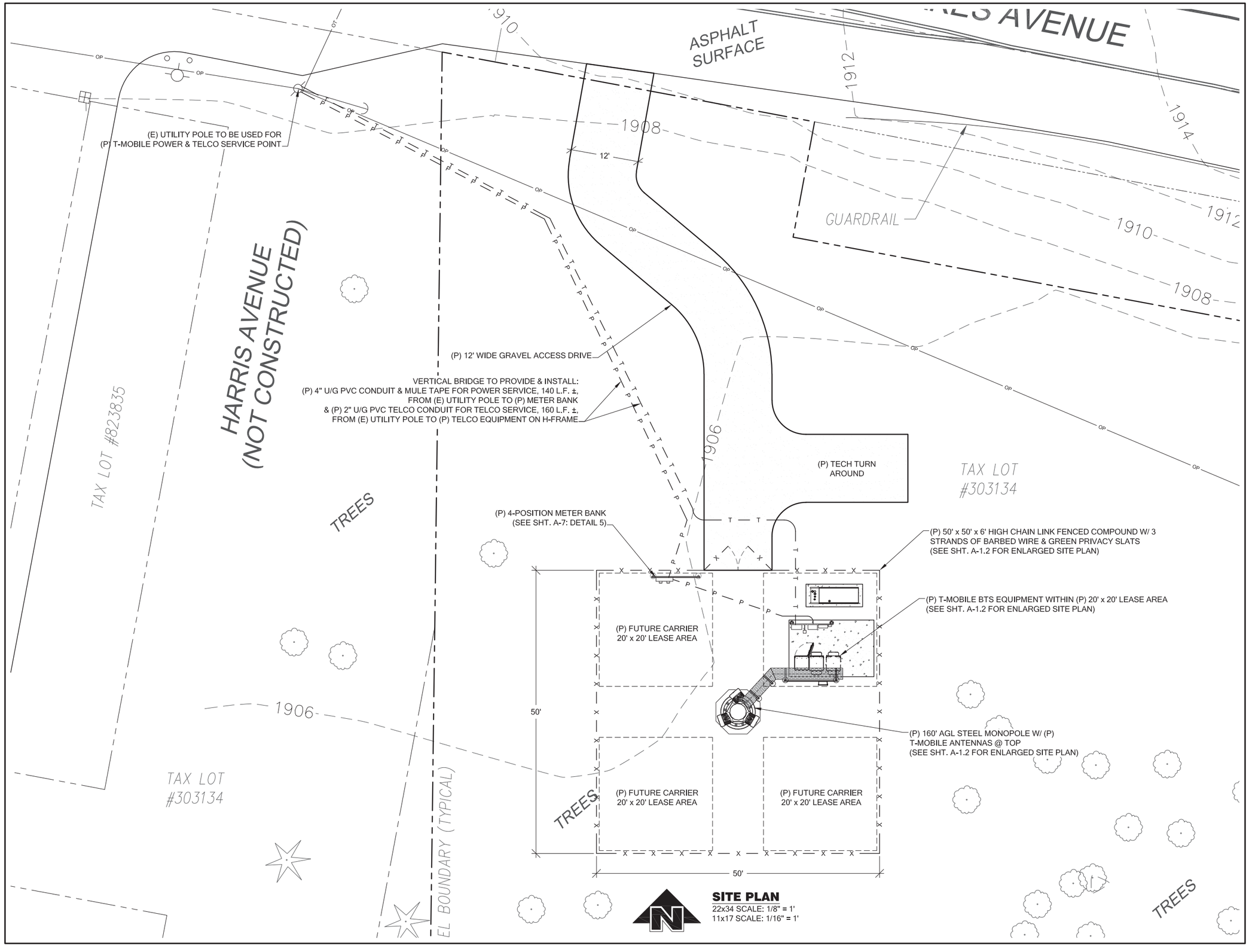
DRAWING INFORMATION:

DRAWING TITLE:

OVERALL SITE PLAN

DRAWING NUMBER:

A-1



SITE PLAN
22x34 SCALE: 1/8" = 1'
11x17 SCALE: 1/16" = 1'

T-Mobile
verticalbridge

PROJECT INFORMATION:

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US-WA-5105
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MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS
STATE OF WASHINGTON
37041
REGISTERED PROFESSIONAL ENGINEER
11/23/2020

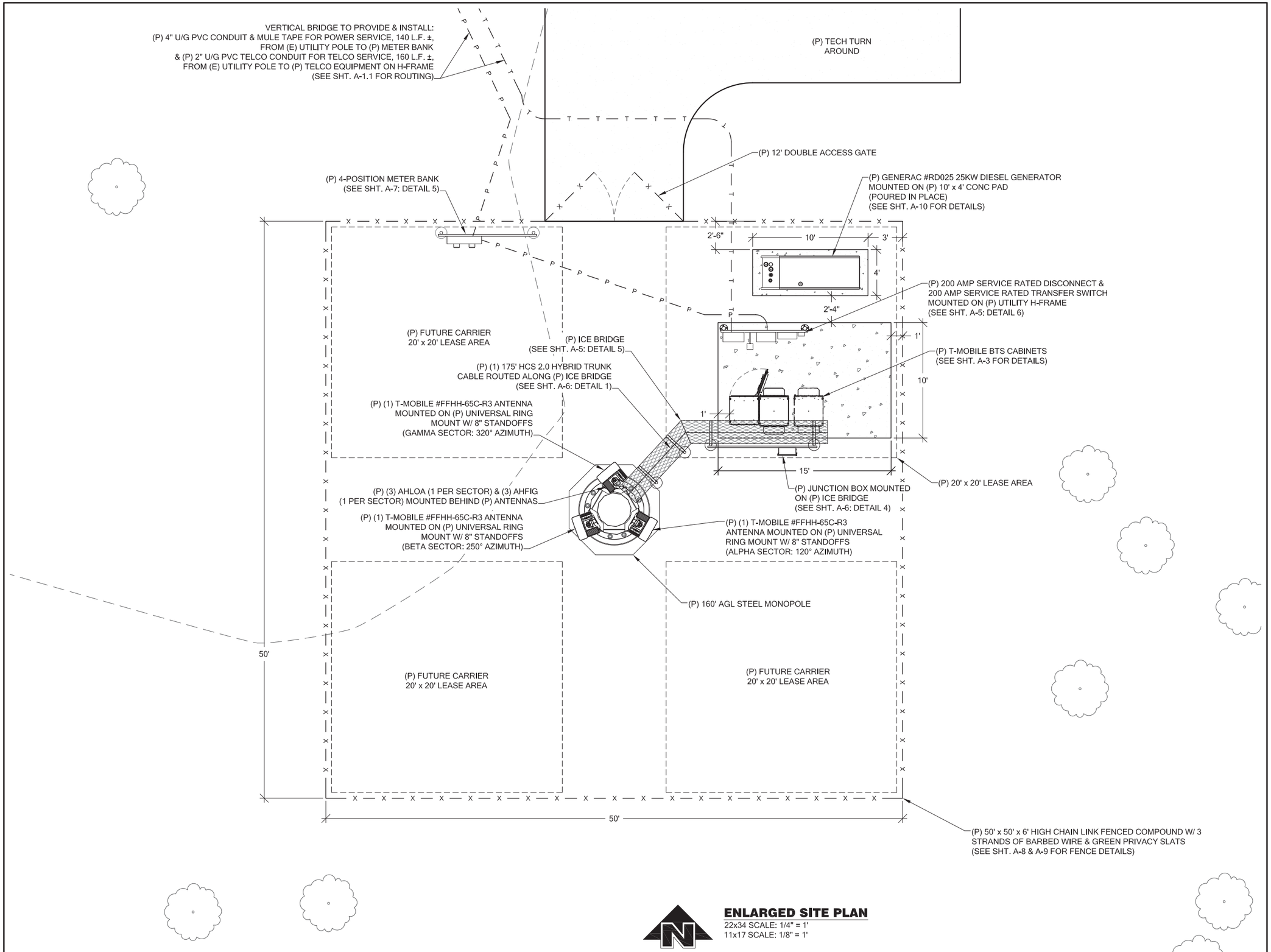
DRAWING INFORMATION:

DRAWING TITLE:

SITE PLAN

DRAWING NUMBER:

A-1.1



ENLARGED SITE PLAN

22x34 SCALE: 1/4" = 1'
11x17 SCALE: 1/8" = 1'

T-Mobile
vertical bridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:
7	11/17/2020	ADDING LIGHTENING ROD	BJT
6	11/10/2020	REVISED PER REDLINES	BJT
5	10/29/2020	DRAINAGE PLAN ADDED	BJT
4	7/15/2020	MINOR REV	BJT
3	3/18/2020	REVISED PER REDLINES	BJT
2	2/25/2020	UPDATED SURVEY ADDED	BJT
1	2/12/2020	ISSUED DESIGN REVIEW	BJT

PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

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LICENSURE:

B. J. THOMAS — STATE OF WASHINGTON — 37041 — REGISTERED PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

DRAWING TITLE:

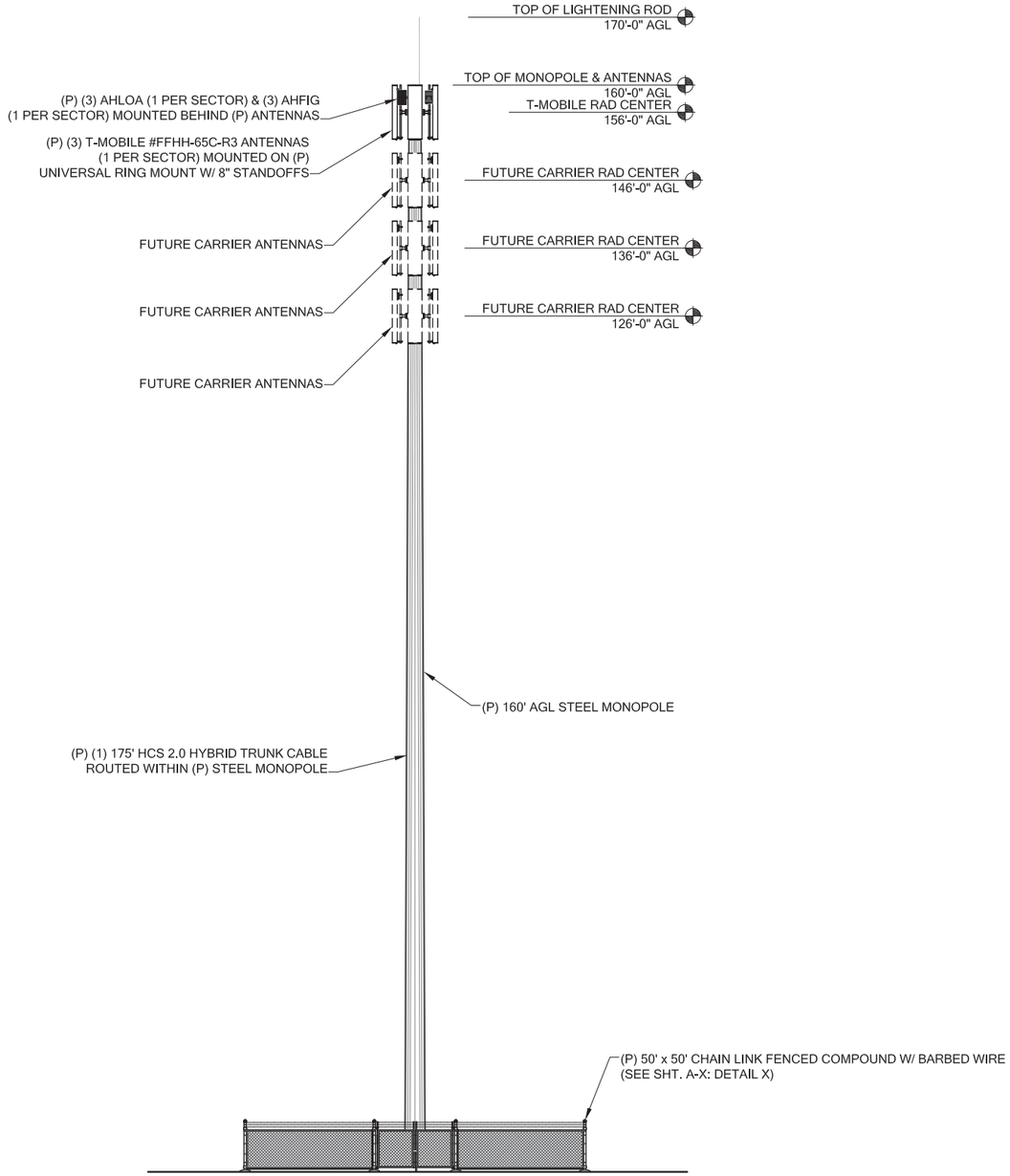
ENLARGED SITE PLAN

DRAWING NUMBER:

A-1.2

PAINT NOTE:

THE TOWER AND ALL PROPOSED AND FUTURE ANTENNAS AND ATTACHMENTS SHALL BE FACTORY PAINTED A COLOR THAT IS SELECTED BY THE TOWER OWNER AND IS SIMILAR TO, AND NO LIGHTER THAN, SHERWIN WILLIAMS JASPER #6216.



1 / A-2 **NORTH ELEVATION**
SCALE: NTS

T-Mobile
verticalbridge

PROJECT INFORMATION:

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US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

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DRAWING TITLE:

SITE ELEVATION

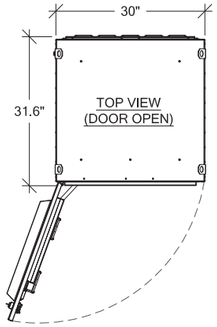
DRAWING NUMBER:

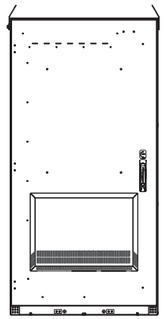
A-2

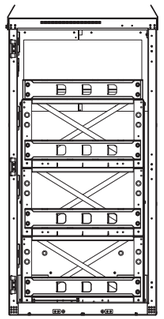
PURCELL "HPL3" BATTERY CABINET
MANUFACTURER: PURCELL
HEIGHT: 60.4" DEPTH: 31.6" WIDTH: 30"
MAX WEIGHT: 2206 lbs
OPTIONAL: AIR CONDITIONER, AC POWER COMPARTMENT, AND REAR PANEL.

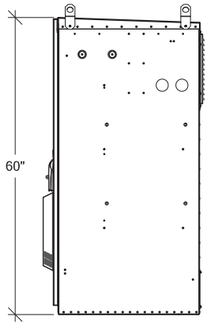
BATTERY INFORMATION:

MAXIMUM OF (4) STRINGS OF (4) POWERSAFE #SBS 170F IN BATTERY CABINET
TOTAL ELECTROLYTE = (16) BATTERIES x 2.09 GAL PER BATTERY = 33.44 GAL

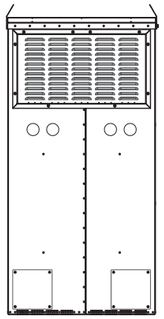



FRONT
(DAC DOOR)

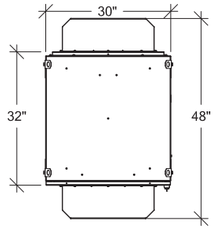

FRONT
(DOOR REMOVED)



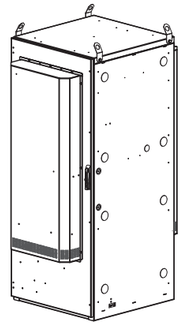
RIGHT VIEW
(DAC DOOR)


REAR VIEW

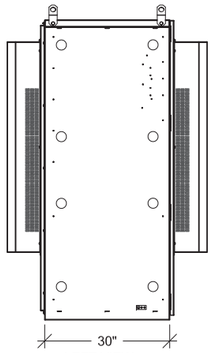
1 A-3 **PURCELL "HPL3" BATTERY CABINET DETAILS**
SCALE: NTS



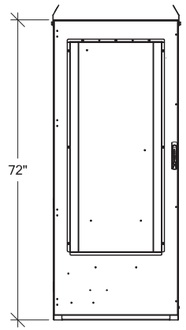
TOP VIEW



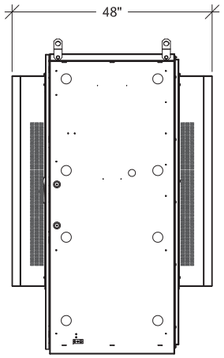
PURCELL "HPL3" EXPANSION CABINET SPECS:
MANUFACTURER: PURCELL
HEIGHT: 72" DEPTH: 48" WIDTH: 30"
CABINET WEIGHT: 400LBS



LEFT VIEW

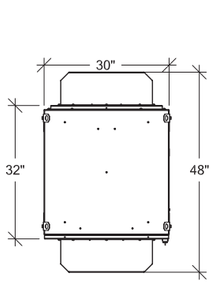


FRONT VIEW

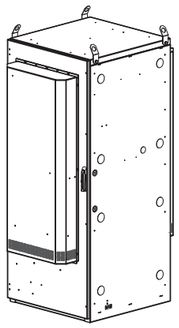


RIGHT VIEW

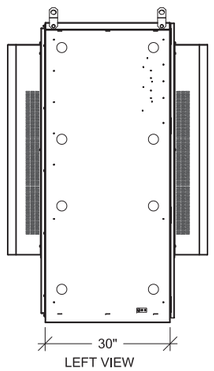
2 A-3 **PURCELL "HPL3" EXPANSION CABINET DETAILS**
SCALE: NTS



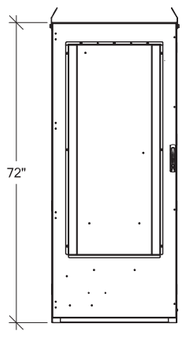
TOP VIEW



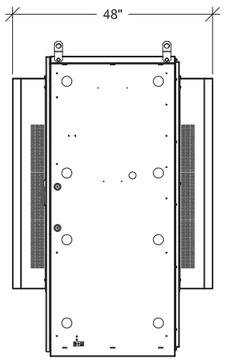
PURCELL "HPL3" 600A LARGE SITE SUPPORT CABINET SPECS:
MANUFACTURER: PURCELL
HEIGHT: 72" DEPTH: 48" WIDTH: 30"
CABINET WEIGHT: 430LBS



LEFT VIEW



FRONT VIEW



RIGHT VIEW

3 A-3 **PURCELL "HPL3" 600A LARGE SITE SUPPORT CABINET DETAILS**
SCALE: NTS

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
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CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

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PLANS PREPARED BY:

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206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

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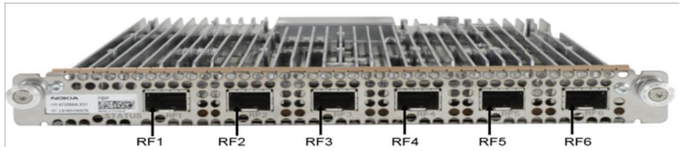
DRAWING TITLE:

BTS EQUIPMENT DETAILS

DRAWING NUMBER:

A-3

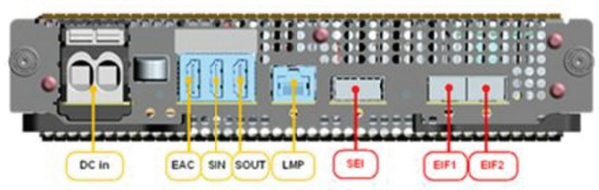
MANUFACTURER:	NOKIA
MODEL:	ABIA AIR SCALE
DIMENSION (HxWxD)	1.9" x 8.3" x 14.8"
WEIGHT:	4.63 LBS



1 A-4 **ABIA DETAIL**
SCALE: NTS

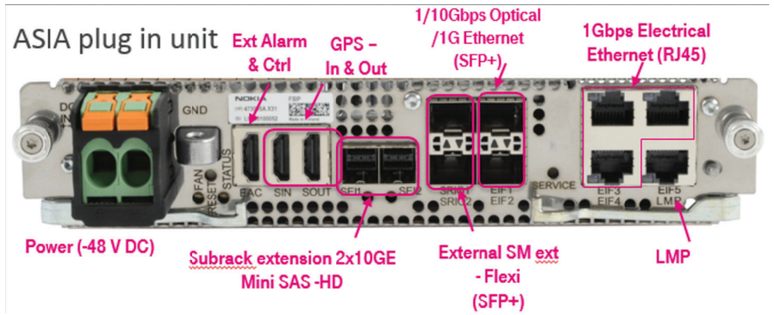
MANUFACTURER:	NOKIA
MODEL:	ASIK AIR SCALE
DIMENSION (HxWxD)	1.9" x 8.3" x 14.8"
WEIGHT:	6.83 LBS

ASIK – Baseband Card



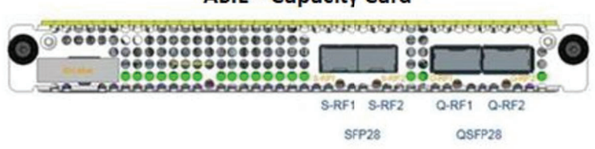
3 A-4 **ASIK DETAIL**
SCALE: NTS

MANUFACTURER:	NOKIA
MODEL:	ASIA AIR SCALE
DIMENSION (HxWxD)	1.9" x 8.3" x 14.8"
WEIGHT:	6.83 LBS



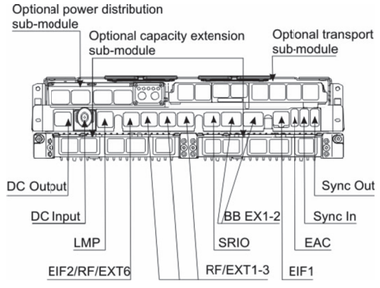
2 A-4 **ASIA DETAIL**
SCALE: NTS

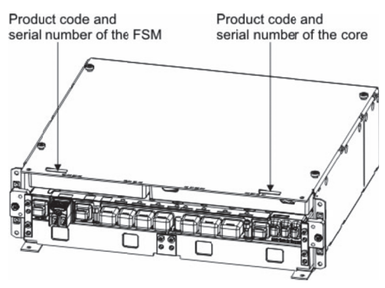
ABIL – Capacity Card



MANUFACTURER:	NOKIA
MODEL:	ABIL AIR SCALE
DIMENSION (HxWxD)	1.9" x 8.3" x 14.8"
WEIGHT:	4.63 LBS

4 A-4 **ABIL DETAIL**
SCALE: NTS

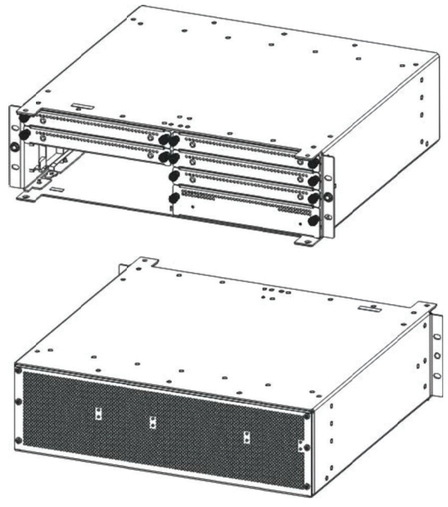




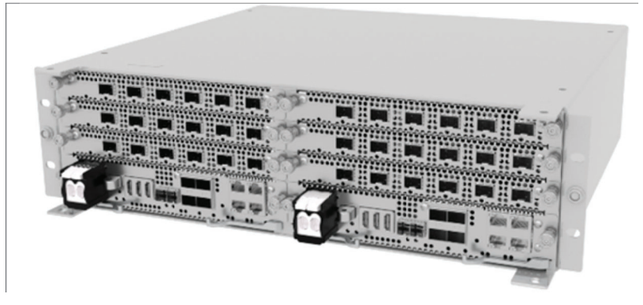
FSMF MODULE

PROPERTY	VALUE
HEIGHT	133mm/3U (5.2 in)
WIDTH	447 mm (17.6 in)
DEPTH	422 mm (16.5 in)
WEIGHT W/ CORE MODULE	MAX. 11.5 kg (25.3 lb)

5 A-4 **FSMF DETAIL**
SCALE: NTS



MANUFACTURER:	NOKIA
MODEL:	AMIA AIRSCALE SUBRACK
DIMENSION (HxWxD)	5.0" x 17.6" x 15.7"
WEIGHT:	EMPTY: 10.9 LBS WITH BLINDS: 14.8 LBS WITH ALL UNITS: 52 LBS



6 A-4 **AMIA DETAIL**
SCALE: NTS

T-Mobile
verticalbridge

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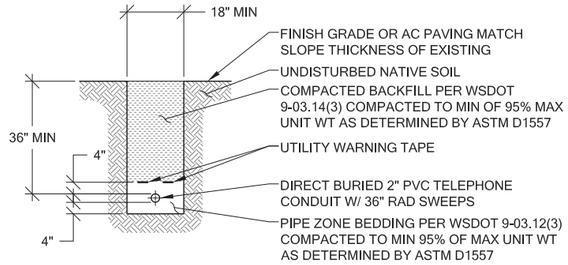
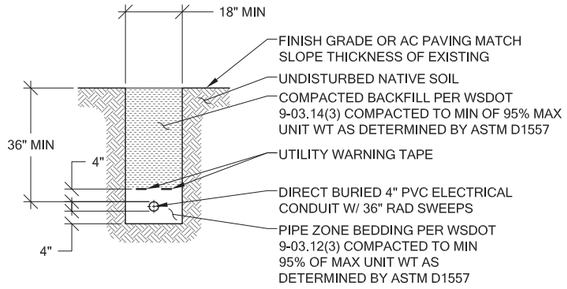
GENERAL DETAILS

DRAWING NUMBER:

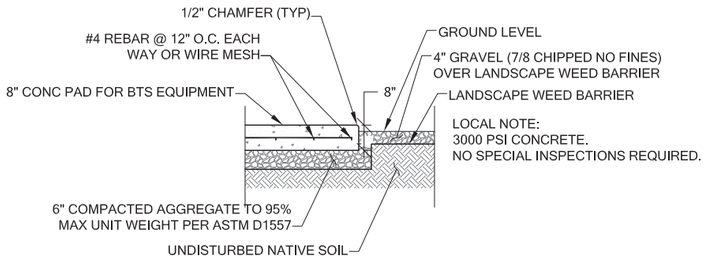
A-4



1 A-5 **TELCO SERVICE TRENCH**
SCALE: NTS



2 A-5 **POWER SERVICE TRENCH**
SCALE: NTS



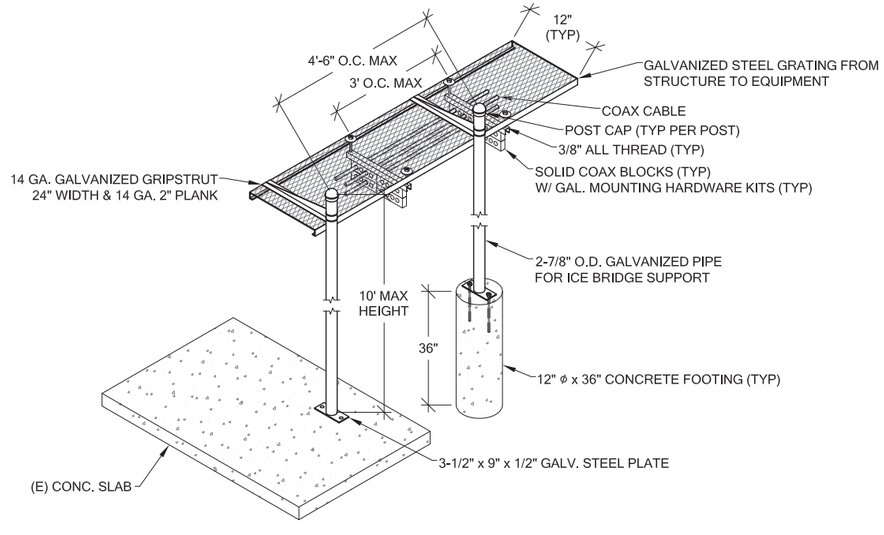
3 A-5 **CONC. EQUIPMENT SLAB DETAIL**
SCALE: NTS

4 A-5 **SITE SIGNAGE DETAIL**
SCALE: NTS

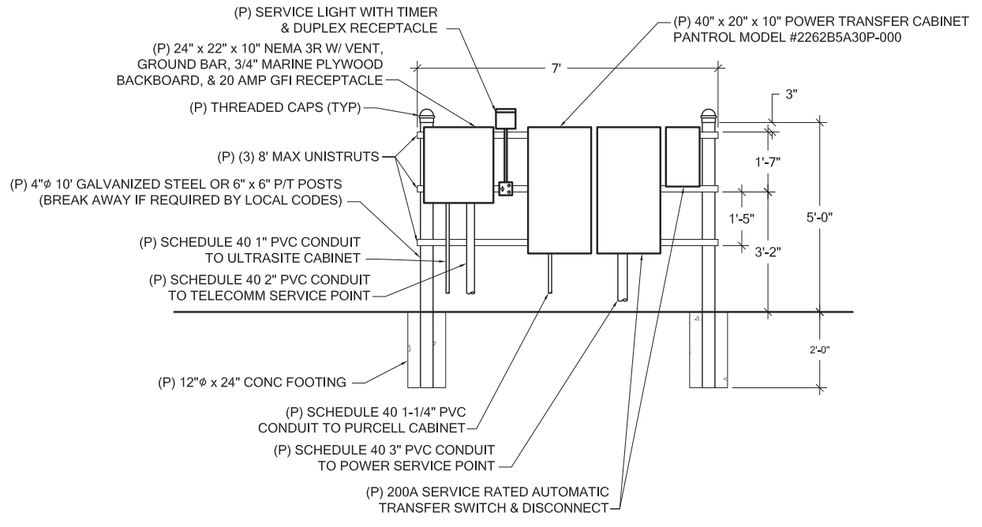
NOTE:

ANCHOR DETAIL- 1/2" DIAMETER ANCHOR BOLTS IF CAST IN PLACE WITH 6" DEPTH OR 5/8" DIAMETER HILTI KWIK HUS-EZ BOLTS IF POST-INSTALLED WITH 6" DEPTH.

PLATE DETAIL- CARRIER CAN ALTERNATELY INSTALL A PRE-MANUFACTURED KIT FROM SITE PRO, SUCH AS THEIR PRODUCT "IB24D" OR IB24B".



6 A-5 **ICE BRIDGE DETAIL**
SCALE: NTS



7 A-5 **EQUIPMENT H-FRAME DETAIL**
SCALE: NTS

T-Mobile
verticalbridge

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11/23/2020

DRAWING INFORMATION:

DRAWING TITLE:

GENERAL DETAILS

DRAWING NUMBER:

A-5

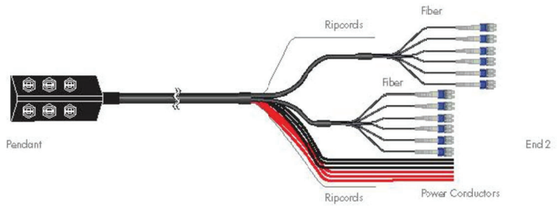
HELIAX® FiberFeed® Hybrid Trunk Cables

FiberFeed® trunk cable assemblies are factory constructed specifically for the devices listed in this guide ensuring perfect compatibility and trouble free installation. Additional features that ease installation and ensure a long service life include:

- Robust breakout design tailored for specific enclosures
- Stranded construction for easy bending and maximum fiber protection
- Corrugated aluminum shield protects from crush and animal damage
- Integrated rip cords for length management
- Factory test certificate included with every cable assembly

Specifications

Cable Series	RRU's Supported	# of Power Conductors	# of Fibers	End 2 Power Breakout (inches)	End 2 Fiber Breakout (inches)
Hybrid Trunk Cable 6 AWG power conductor wire 24 Single mode fiber					
FD2606-24S55	6	6	24	24	31/33



1 A-6 **HYBRID TRUNK CABLE DETAIL**
SCALE: NTS

Hybrid Jumpers for Nokia Radios

Ordering Information

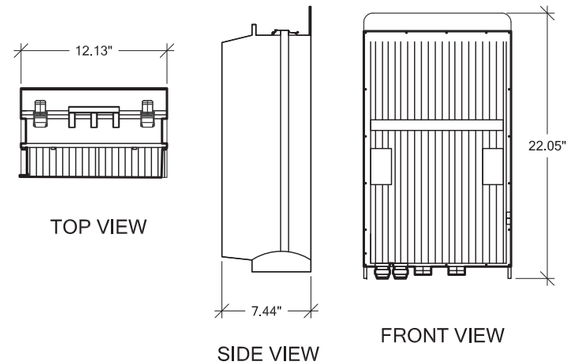
Description	Length (feet)	Part Number
Hybrid Jumpers for Nokia Radios End 1: 4 fibers terminated DLC for Nokia RRUs with flush cut power cord (red/black conductors). End 2: 4 fibers terminated LC and 4 X 10 AWG conductors terminated at hybrid trunk connector (HQ&C)	6	HFT410-4SNOK2-6
	10	HFT410-4SNOK2-10
	15	HFT410-4SNOK2-15
	20	HFT410-4SNOK2-20
	25	HFT410-4SNOK2-25
	30	HFT410-4SNOK2-30
	40	HFT410-4SNOK2-40
	50	HFT410-4SNOK2-50
	60	HFT410-4SNOK2-60
	70	HFT410-4SNOK2-70
	80	HFT410-4SNOK2-80
	90	HFT410-4SNOK2-90
	100	HFT410-4SNOK2-100

Note: Longer lengths are available; contact your CommScope sales representative for details.

2 A-6 **HYBRID JUMPER CABLE DETAIL**
SCALE: NTS

RADIO MODULE FOR 600/700MHz RRH

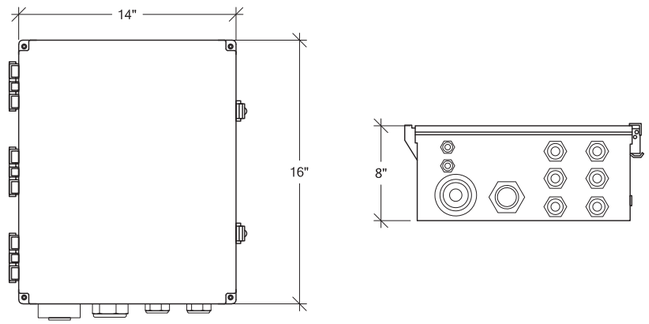
MANUFACTURER:	NOKIA
MODEL:	AHLOA
NET WEIGHT:	83.78 LBS
DIMENSION (LxWxD)	22.05" x 12.13" x 7.44"



3 A-6 **AHLOA DETAIL**
SCALE: NTS

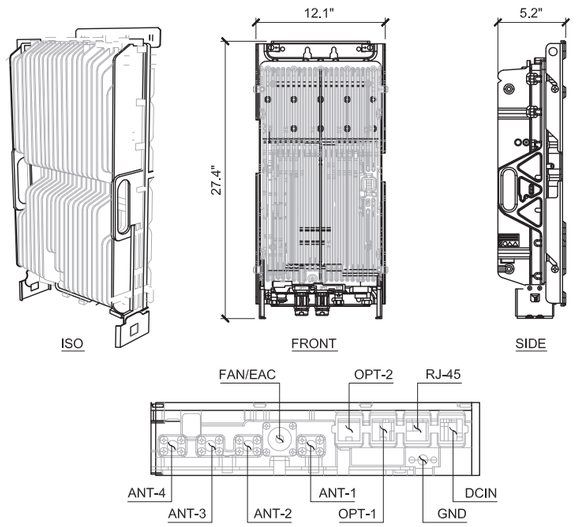
FIBER & POWER JUNCTION BOX W/ OVP

MANUFACTURER:	COMMSCOPE
MODEL:	FE-16148-OVP-B12
DIMENSION (HxWxD)	16" x 14" x 8"
WEIGHT:	23.5lbs



4 A-6 **OVP/JUNCTION BOX DETAIL**
SCALE: NTS

MANUFACTURER:	NOKIA
MODEL:	AHFIG
WEIGHT:	70.5 LBS
DIMENSION (LxWxD)	27.4" x 12.1" x 6.5"



5 A-6 **AHFIG DETAIL**
SCALE: NTS

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:
7	11/17/2020	ADDING LIGHTENING ROD	BJT
6	11/10/2020	REVISED PER REDLINES	BJT
5	10/29/2020	DRAINAGE PLAN ADDED	BJT
4	7/15/2020	MINOR REV	BJT
3	3/18/2020	REVISED PER REDLINES	BJT
2	2/25/2020	UPDATED SURVEY ADDED	BJT
1	2/12/2020	ISSUED DESIGN REVIEW	BJT

PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS STATE OF WASHINGTON 37041 REGISTERED PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

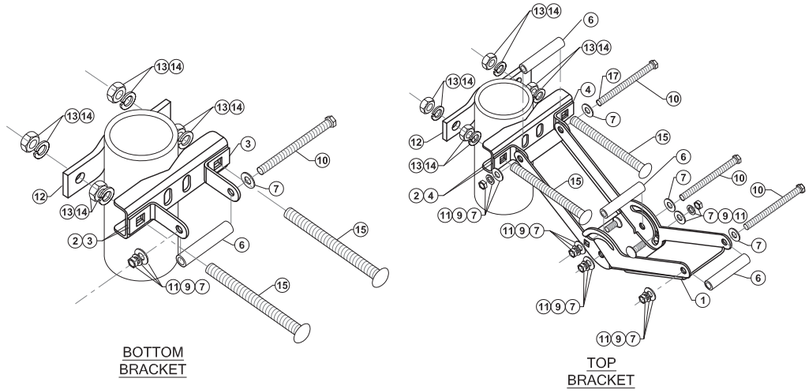
DRAWING TITLE:

GENERAL DETAILS

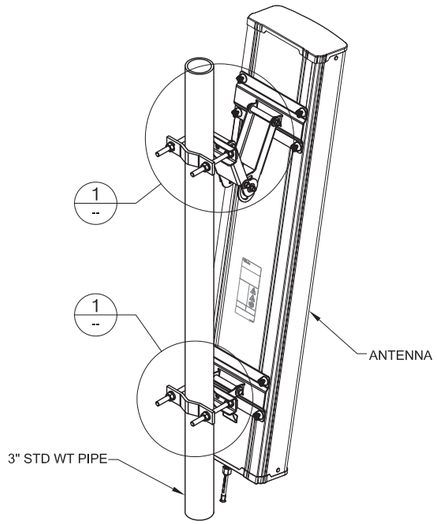
DRAWING NUMBER:

A-6

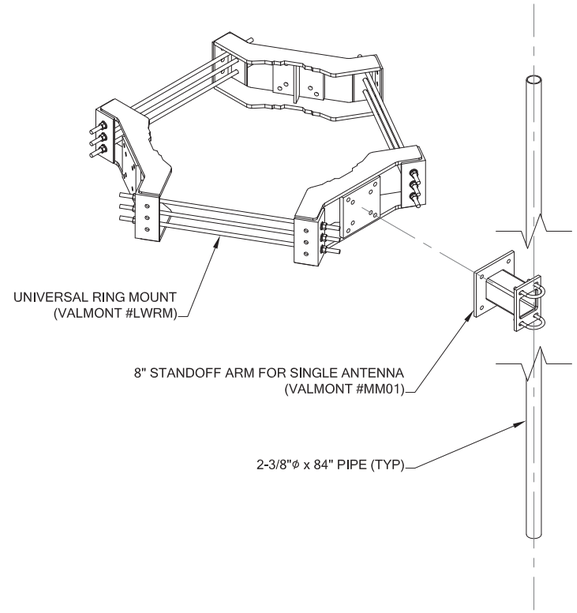
PARTS LIST			
ITEM #	QUANTITY	PART NUMBER	DESCRIPTION
1	2	601257	ANGLE ARM
2	2	601256	MOUNTING CLAMP
3	2	601235-1	BRACKET
4	2	601235-2	BRACKET
5	1	601258	LABEL, ANGLE
6	4	600679-3	SPACER TUBE
7	14	100525-24	ME FLAT WASHER (STAINLESS STEEL)
8	2	600419-8	M8x1.25x25mm LARGE CARRIAGE BOLT (STAINLESS STEEL)
9	6	6/1/7395	M8 LOCK WASHER (STAINLESS STEEL)
10	4	600419-10	M8x1.25x110mm LARGE HEX HEAD SCREW (STAINLESS STEEL)
11	6	204001-15	M8x1.25 HEX NUT (STAINLESS STEEL)
12	2	225244	CLAMP PLATE
13	8	600419-24	LARGE LOCK WASHER (STAINLESS STEEL)
14	8	204001-21	M12x1.75 HEX NUT (STAINLESS STEEL)
15	4	600419-12	M12x1.75x150mm LARGE CARRIAGE BOLT (STAINLESS STEEL)
17	1	601584	MOLYBDENUM DISULFIDE GREASE



1 A-7 **ANTENNA BRACKET ATTACHMENT DETAIL**
SCALE: NTS

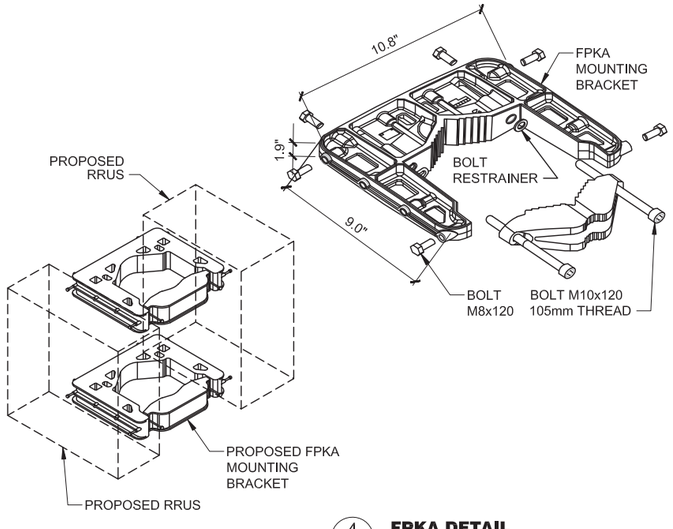


2 A-7 **ANTENNA ATTACHMENT DETAIL**
SCALE: NTS

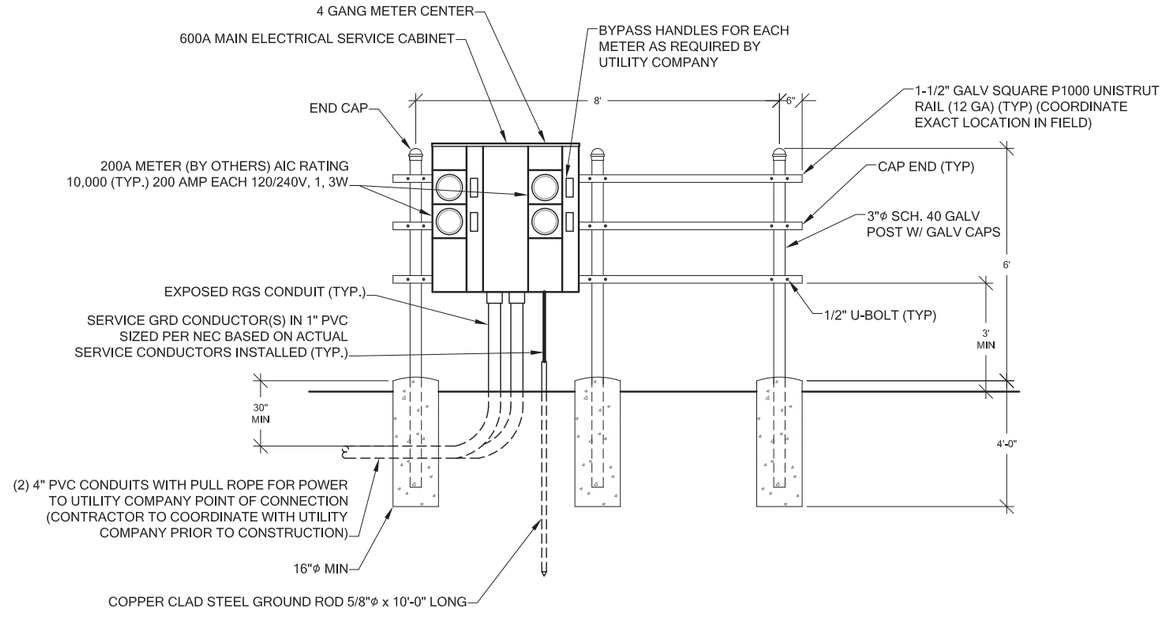


3 A-7 **UNIVERSAL RING MOUNT & 8" STANDOFF DETAIL**
SCALE: NTS

NOTE:
-PROPOSED RRUs TO BE MOUNTED VERTICALLY ONLY
-MOUNTING PIPE NOT SHOWN FOR CLARITY



4 A-7 **FPKA DETAIL**
SCALE: NTS



5 A-7 **METER BANK DETAIL**
SCALE: NTS

T-Mobile
verticalbridge

PROJECT INFORMATION:

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US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

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PLANS PREPARED BY:

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7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY: JL **CHK. BY:** BJ

LICENSURE:

B. J. THOMAS STATE OF WASHINGTON 37041 REGISTERED PROFESSIONAL ENGINEER
11/23/2020

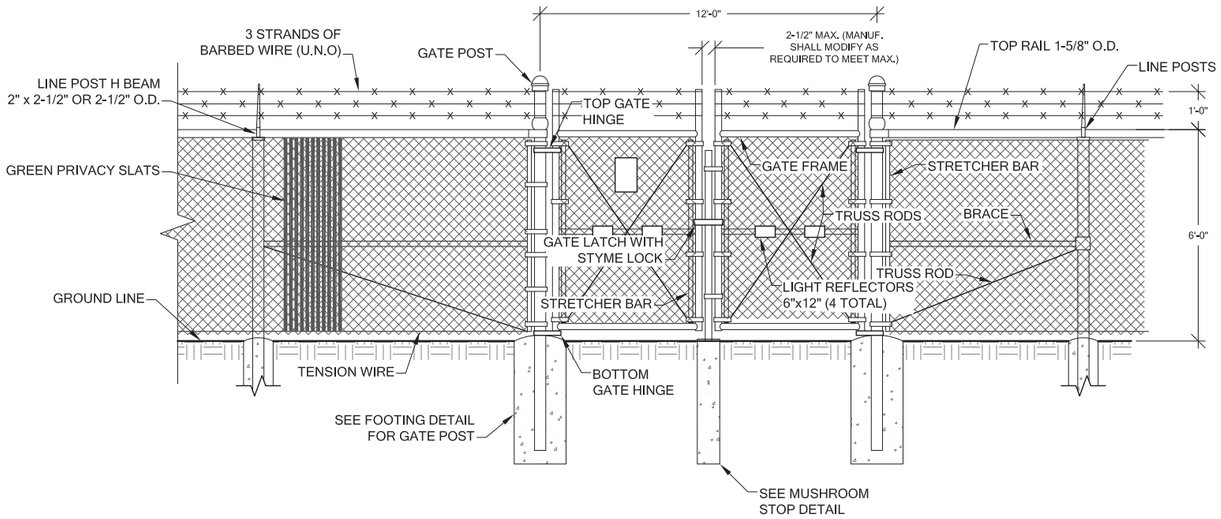
DRAWING INFORMATION:

DRAWING TITLE:

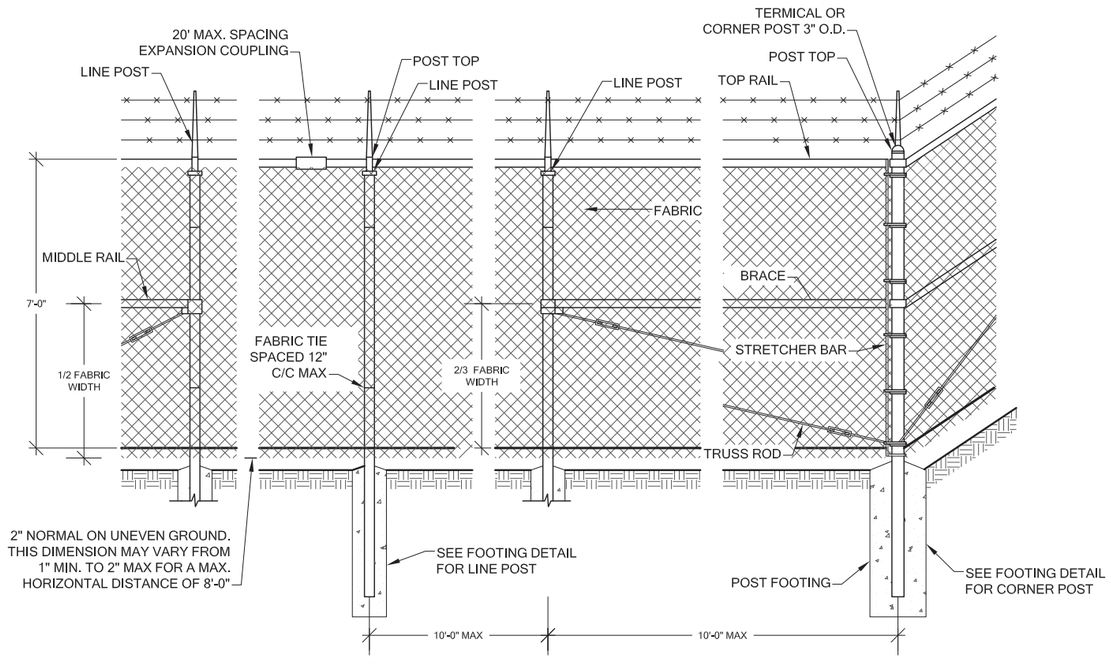
GENERAL DETAILS

DRAWING NUMBER:

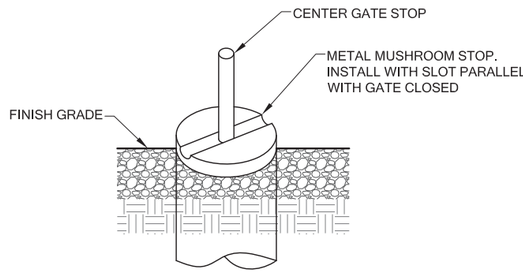
A-7



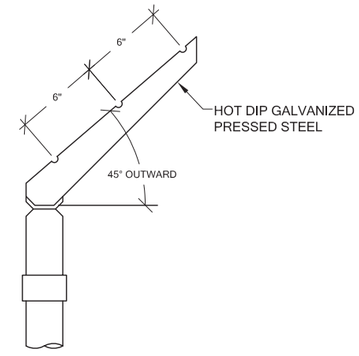
1 A-8 CHAIN LINK DETAIL
SCALE: NTS



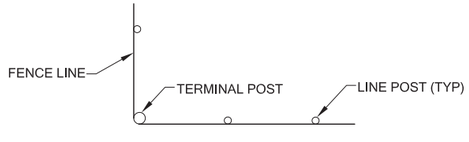
3 A-8 POST/CORNER POST DETAIL
SCALE: NTS



2 A-8 MUSHROOM STOP DETAIL
SCALE: NTS



4 A-8 BARBED WIRE ARM OF LINE POST
SCALE: NTS



5 A-8 INSTALLATION AT CORNERS
SCALE: NTS

T-Mobile
vertical bridge

PROJECT INFORMATION:

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US-WA-5105
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7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS STATE OF WASHINGTON 37041 REGISTERED PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

DRAWING TITLE:

FENCE DETAIL

DRAWING NUMBER:

A-8

NOTES:

ZINC COATING - THE WEIGHT OF THE COATING SHALL NOT BE LESS THAN 1.2 OUNCES PER SQUARE FOOT OF ACTUAL SURFACE COVERED. ALL FERROUS METALS USED AS PART OF THE FENCE INSTALLATION SHALL BE HOT DIP GALVANIZED OR STAINLESS STEEL. ALL SCREWS, BOLTS, LOCK WASHERS, NUTS, ETC. SHALL BE HOT DIP GALVANIZED OR MADE OF STAINLESS STEEL.

FABRIC - STANDARD INDUSTRIAL GRADE #9 GAUGE WITH 2 INCH MESH ZINC COATED CHAIN LINK WITH A BREAKING STRENGTH OF NOT LESS THAN 1290 POUNDS SHALL BE USED. THE FABRIC SHALL BE ZINC COATED BY THE HOT DIP PROCESS AFTER FABRICATION.

METAL POSTS - METAL POSTS (LINE, CORNER, TERMINAL, GATE POSTS, MIDDLE RAILS, BRACES AND TOP RAIL) SHALL BE HOT DIP GALVANIZED SCHEDULE 40 TUBULAR STEEL WITH AN OUTSIDE DIAMETER AS INDICATED ON THE DRAWING. A POST TOP FITTING OF GALVANIZED STEEL WILL BE INSTALLED TO EXCLUDE MOISTURE.

POSTS CAPS - ALL POST CAPS TO USE THE BARBED WIRE OUTRIGGER BRACKET AND SHALL BE ATTACHED TO THE POST WITH TAMPER RESISTANT SCREWS, BRADS, OR BOLTS.

TOP RAIL - A MINIMUM OF ONE COUPLING IN EACH STRAIGHT RUN OF TOP RAIL, SHALL HAVE A HEAVY SPRING INSERTED WITHIN THE COUPLING TO TAKE UP EXPANSION AND CONTRACTION OF THE TOP RAIL. THE TOP RAIL SHALL BE FASTENED TO TERMINAL POSTS WITH PRESSED STEEL CONNECTIONS.

MIDDLE RAIL - THE MIDDLE RAIL SHALL BE OF THE SAME MATERIAL AS THE TOP RAIL AND INSTALLED WITH HOT DIP GALVANIZED FITTINGS ATTACHED TO THE POSTS.

BRACE RAIL - BRACE RAIL MATERIAL SHALL BE OF THE MATERIAL AS THE TOP RAIL AND LOCATED 2/3 OF THE DISTANCE UP FROM THE BOTTOM OF THE FABRIC. BRACE RAILS SHALL BE SECURELY FASTENED TO POSTS BY SUITABLE PRESSED STEEL CONNECTIONS.

TRUSS RODS - SHALL BE 3/8" ROUND GALVANIZED STEEL RODS WITH GALVANIZED TURNBUCKLES. THE ZINC COATING SHALL BE NOT LESS THAN 1.2 OUNCES PER SQUARE FOOT OF SURFACE.

TENSION WIRE - THE TENSION WIRE SHALL BE OF #7 GAUGE HOT DIP GALVANIZED SPRING TENSION WIRE WITH A BREAKING STRENGTH OF NOT LESS THAN 1900 POUNDS. THIS WIRE SHALL BE KEPT TAUT WITH GALVANIZED TURNBUCKLES AND ATTACHED TO POSTS WITH GALVANIZED HARDWARE OR CABLE CLAMPS.

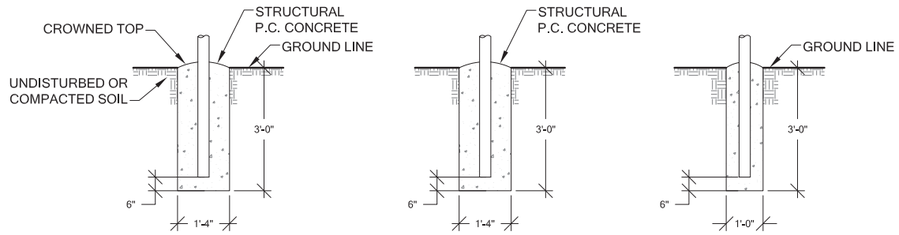
FABRIC TIES - THE FABRIC TIES SHALL BE ALUMINUM WIRE. NOT LESS THAN #9 GAGE.

STRETCHER BARS - THE STRETCHER BARS SHALL BE FLAT GALVANIZED STEEL BARS NOT LESS THAN 5/16" x 3/4" AND NOT LESS THAN 2" SHORTER THAN THE FABRIC. STRETCHER BAR BANDS SHALL BE FLAT GALVANIZED STEEL BARS NOT LESS THAN 5/16" x 1-1/2" WITH 5/16" DIAMETER GALVANIZED CARRIAGE BOLT.

BARBED WIRE - BARBED WIRE OF GALVANIZED STEEL (OR ALUMINUM) CONSISTING OF 12 1/2 GAUGE WIRE WITH 4-POINT BARBS OF 14 GAUGE WIRE SPACED 5 INCHES APART.

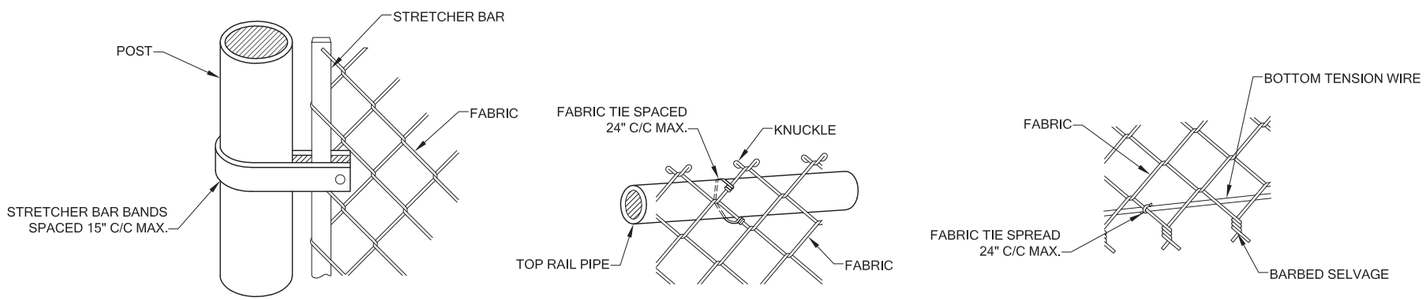
GATE FRAMES SHALL BE CONSTRUCTED OF 2-1/2 INCH OUTSIDE DIAMETER HEAVY DUTY GALVANIZED STEEL PIPE. THE GATES SHALL BE ASSEMBLED USING CORNER FITTINGS OF HEAVY PRESSED STEEL OR MALLEABLE CASTINGS OR MAY BE WELDED IF THE ENTIRE GATE FRAME IS HOT DIP GALVANIZED AFTER THE WELDING. ALL GATES SHALL BE EQUIPPED WITH HEAVY DUTY GALVANIZED STEEL TYPE HINGES WITH LARGE BEARING SURFACES OF ADEQUATE STRENGTH TO SUPPORT THE GATE. THE HINGES SHALL NOT TWISTED OR TURN UNDER THE ACTION OF THE GATE. GATES WILL PROVIDE A FULL RANGE OF MOTION AND BE EASILY OPENED AND CLOSED BY ONE PERSON. GATE LATCH SHALL BE CARGO PROTECTORS, INC. MODEL FL-100. LATCH SHALL BE EQUIPPED TO RECEIVE A PADLOCK.

PROVIDE R.F. WARNING SIGNAGE ON ALL GATES.



FOOTING FOR TERMINAL OR CORNER POST | **FOOTING FOR GATE POST** | **FOOTING FOR LINE POST**

1 / A-9 **POST FOOTING DETAIL**
SCALE: NTS



METHOD OF FASTENING STRETCHER BAR TO POST | **METHOD OF TYING FABRIC TO PIPE** | **METHOD OF TYING FABRIC TO TENSION WIRE**

2 / A-9 **FABRIC/BAR CONNECTIONS**
SCALE: NTS

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

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2	2/25/2020	UPDATED SURVEY ADDED	BJT
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PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS — STATE OF WASHINGTON — 37041 — REGISTERED PROFESSIONAL ENGINEER
11/23/2020

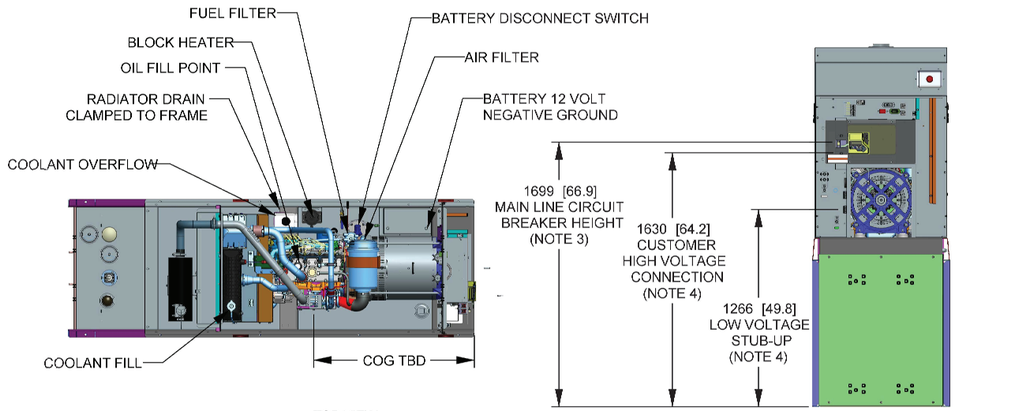
DRAWING INFORMATION:

DRAWING TITLE:

FENCE DETAILS

DRAWING NUMBER:

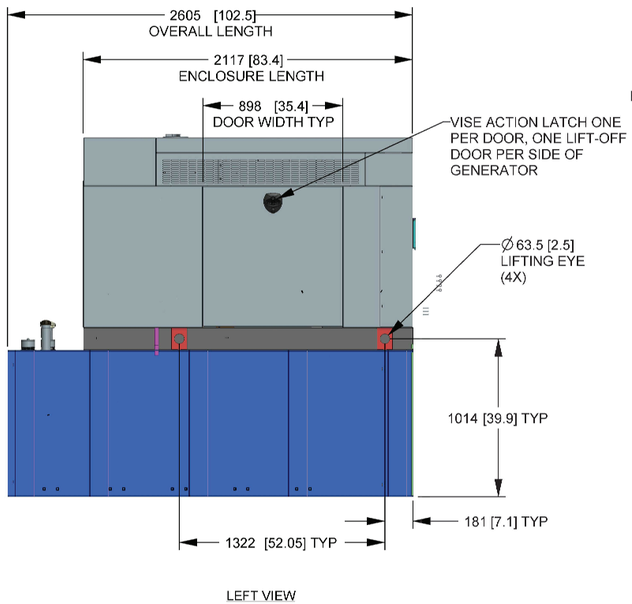
A-9



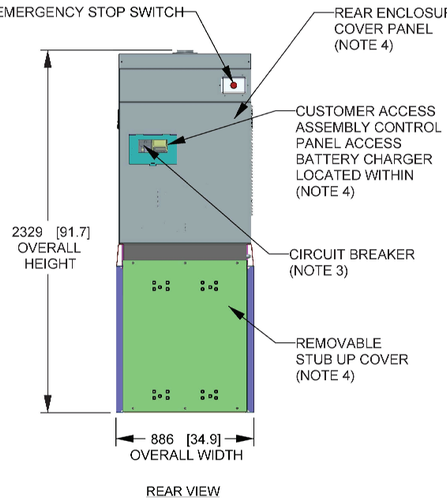
TOP VIEW
(SHOWN WITH ENCLOSURE REMOVED)

REAR VIEW
(SHOWN WITH REAR COVER PANEL REMOVED)

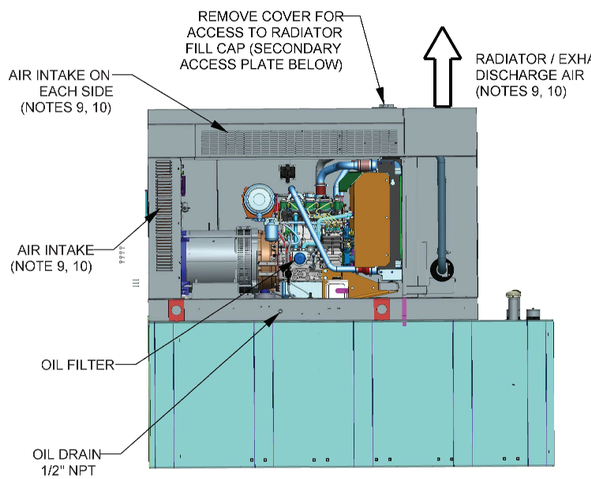
NOTES:
1. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
2. BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
3. CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
   - SEE SPECIFICATION SHEET OR OWNERS MANUAL
   - ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
   - CONTROL PANEL INCLUDES INTEGRATED BATTERY CHARGER
4. REMOVE THE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
   - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION, NEUTRAL CONNECTION, AND BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
   - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES
5. CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
6. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
7. REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
8. MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)
9. MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
10. GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED.
11. GENERATOR MUST BE GROUNDED.



LEFT VIEW

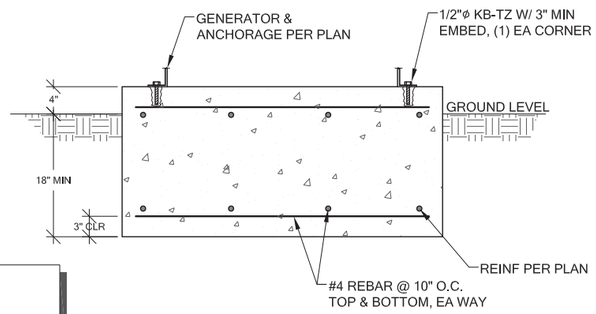


REAR VIEW



RIGHT VIEW
(SHOWN WITH DOOR AND SIDE PANELS REMOVED)

GENERAC #RD025 25KW DIESEL GENERATOR



ANCHOR NOTE:

1/2" KWIK BOLT TZ W/ 3" EMBEDMENT AT EACH CORNER.

1 / A-10 **GENERATOR PAD DETAIL**
SCALE: NTS

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

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206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS STATE OF WASHINGTON 37041 REGISTERED PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

DRAWING TITLE:

GENERATOR DETAILS

DRAWING NUMBER:

A-10

LEGAL DESCRIPTION

NO TITLE RESEARCH PROVIDED AT THIS TIME

EASEMENTS

(#) CORRESPONDS WITH ITEM NUMBER IN 'SCHEDULE B' OF TITLE REPORT.

THE FOLLOWING EASEMENTS FROM THE REFERENCED TITLE REPORT CONTAIN SUFFICIENT INFORMATION TO BE DEPICTED ON THE PLAN. OTHER EASEMENTS OR ENCUMBRANCES, IF ANY, MAY AFFECT THE PROPERTY, BUT LACK SUFFICIENT INFORMATION TO BE SHOWN.

(#) NO TITLE RESEARCH PROVIDED AT THIS TIME

CERTIFICATION

I HEREBY CERTIFY TO: VERTICAL BRIDGE REIT, LLC, A DELAWARE LIMITED LIABILITY COMPANY, ITS SUBSIDIARIES, AND THEIR RESPECTIVE SUCCESSORS AND/OR ASSIGNS; TORONTO DOMINION (TEXAS) LLC, AS ADMINISTRATIVE AGENT, FOR ITSELF AND ON BEHALF OF THE LENDERS PARTIES FROM TIME TO TIME TO THAT CERTAIN SECOND AMENDED AND RESTATED LOAN AGREEMENT DATED _____ WITH VERTICAL BRIDGE HOLDCO, LLC, AS BORROWER, AND VERTICAL BRIDGE HOLDCO PARENT, LLC, AS PARENT, AS MAY BE AMENDED, RESTATED, MODIFIED OR RENEWED, THEIR SUCCESSORS AND ASSIGNS AS THEIR INTERESTS MAY APPEAR; AND

_____.

KEVIN J. WALKER, PLS 41038

_____

DATED

NOTES

1) NO TITLE RESEARCH PROVIDED AT THIS TIME. CALCULATED BOUNDARY MAY CHANGE UPON RECEIPT OF TITLE.
2) FIELD WORK CONDUCTED IN JANUARY, 2020.
3) BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD83).
4) BOUNDARY SHOWN BASED ON RECORD OF SURVEY NO. 523231, COUNTY INFORMATION INDICATES POSSIBLE MULTIPLE RIGHTS HAVE THE SAME TAX LOT NUMBER.
5) UNDERGROUND UTILITIES SHOWN HEREON, IF ANY, WERE DELINEATED FROM SURFACE EVIDENCE AND/OR UTILITY COMPANY RECORDS. CRITICAL LOCATIONS SHOULD BE VERIFIED PRIOR TO DESIGN AND CONSTRUCTION.
6) FEMA DESIGNATION: ZONE A (AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED) PANEL 53009600011B, EFFECTIVE DATE MAY , 1981.
7) THERE WERE NO VISIBLE ENCROACHMENTS AFFECTING THE LEASE AREA OR OTHER EASEMENTS AT THE TIME THE SURVEY WAS COMPLETED.

LATITUDE/LONGITUDE POSITION

COORDINATE DATA AT PROPOSED TOWER LOCATION:
NAD 83
LAT – 47°11'32.69" N
LONG – 120°56'12.53" W

NAVD 88
ELEV.= 1905.6 FEET

LAT – 47.192414° N
LONG – 120.936814° W

BENCHMARK IS BASED ON WSRN REFERENCE NETWORK.

ELEVATION DERIVED USING GPS. ACCURACY MEETS OR EXCEEDS 1A STANDARDS AS DEFINED ON THE FAA ASAC INFORMATION SHEET 91:003.

NAVD 88

LEGEND

SUBJECT BOUNDARY LINE	TRANSFORMER
RIGHT-OF-WAY CENTERLINE	LIGHT STANDARD
RIGHT-OF-WAY LINE	POWER VAULT
ADJACENT BOUNDARY LINE	UTILITY BOX
SECTIONAL BREAKDOWN LINE	UTILITY POLE
OVERHEAD POWER LINE	POLE GUY WIRE
BURIED POWER LINE	GAS VALVE
BURIED GAS LINE	GAS METER
OVERHEAD TELEPHONE LINE	TELEPHONE VAULT
BURIED TELEPHONE LINE	TEL. MANHOLE
BURIED WATER LINE	TELEPHONE RISER
BURIED SANITARY SEWER	FIRE HYDRANT
BURIED STORM DRAIN	GATE VALVE
DITCH LINE/FLOW LINE	WATER METER
ROCK RETAINING WALL	FIRE STAND PIPE
VEGETATION LINE	IRRIGATION CONTROL
CHAIN LINK FENCE	CATCH BASIN, TYPE I
WOOD FENCE	CATCH BASIN, TYPE II
BARBED WIRE/WIRE FENCE	SIGN
	BOLLARD
	MAIL BOX
	234.21 SPOT ELEVATION

NOTE:
1) ALL ELEVATIONS SHOWN ARE ABOVE MEAN SEA LEVEL (AMSL) AND ARE REFERENCED TO THE NAVD88 DATUM.
2) ALL TOWER, TREE AND APPURTENANCE HEIGHTS ARE ABOVE GROUND LEVEL (AGL) AND ARE ACCURATE TO ± 0.5 FEET OR ± 1% OF TOTAL HEIGHT, WHICHEVER IS GREATER.

TREE LEGEND

DECIDUOUS TREE
AL12 ← TRUNK DIAMETER (IN)
← TYPE

AL=ALDER
MP=MAPLE
DS=DECIDUOUS
MA=MADRONA
OK=OAK
CH=CHERRY

EVERGREEN TREE
DF18
195.2
← HEIGHT AGL IF MEASURED

CE=CEDAR
DF=DOUGLAS FIR
HE=HEMLOCK
PI=PINE
EVG=EVERGREEN

NOTE:
TREE DRIP LINES ARE NOT TO SCALE. TREE SYMBOLS REFERENCE TRUNK LOCATION ONLY. TRUNK DIAMETERS WERE APPROXIMATED AT 3.5' TO 4' ABOVE GROUND LEVEL. TREES SHOWN ARE FOR REFERENCE ONLY AND OTHER TREES AND VEGETATION MAY EXIST.

SITE INFORMATION

TAX LOT NUMBER	303134 MAP #20-15-26034-0002
SITE ADDRESS	N/A
SITE CONTACT	.
PHONE NUMBER	
ZONING	67 SERVICES GOVERNMENTAL (CITY OF CLE ELUM)
TOTAL LOT AREA	TO BE DETERMINED
PROJECT AREA	2500 S.F.

SURVEY REFERENCE

1. RECORD OF SURVEY PER A.F. NO. 523231, RECORDS OF KITTITAS COUNTY.
2. RECORD OF SURVEY PER A.F. NO. 200412170002, RECORDS OF KITTITAS COUNTY.

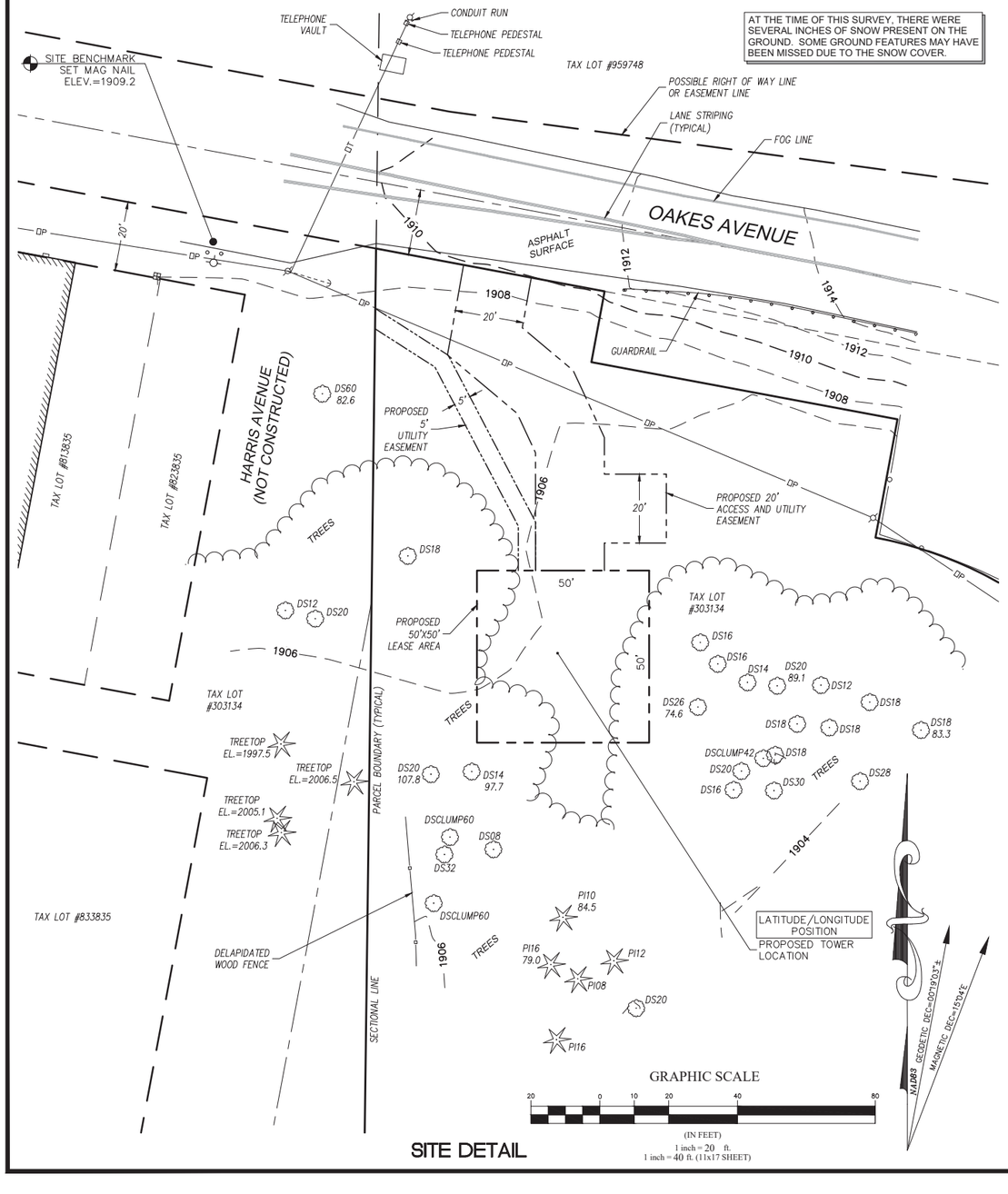
BOUNDARY DISCLAIMER

THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY. SUBJECT AND ADJACENT PROPERTY LINES ARE DEPICTED USING FIELD-FOUND EVIDENCE AND RECORD INFORMATION.

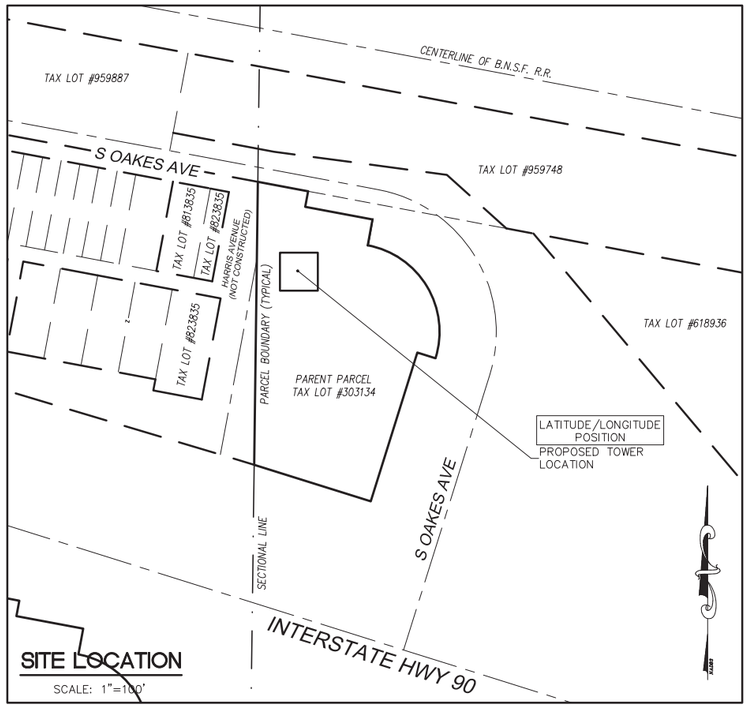
CAUTION!

UNDERGROUND UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY BE INCOMPLETE. STATE LAW REQUIRES THAT CONTRACTOR CONTACT THE ONE-CALL UTILITY LOCATE SERVICE AT LEAST 48 HOURS BEFORE STARTING ANY CONSTRUCTION.

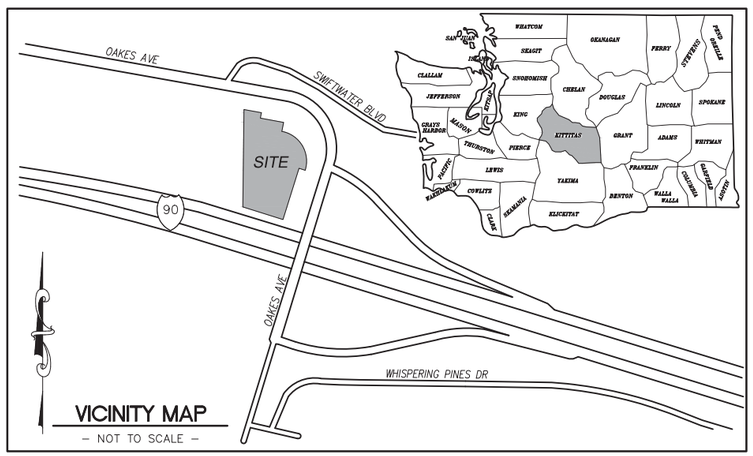
1-800-424-5555



SITE DETAIL



SITE LOCATION
SCALE: 1"=100'



VICINITY MAP
– NOT TO SCALE –

SURVEY PREPARED FOR:

vertical bridge

VERTICAL BRIDGE HOLDINGS, LLC
750 PARK OF COMMERCE DRIVE,
SUITE 200
BOCA RATON, FL 33487

SURVEY PREPARED BY:

DUNCANSON
Company, Inc.
145 SW 155th Street, Suite 102
Seattle, Washington 98166
Phone 206.244.4141
Fax 206.244.4455

B.J. THOMAS, PE

SITE
CLE ELUM DT
US-WA-5105
S 1/2 S 26, T20N, R15E, WM
CLE ELUM, WA 98922
KITTITAS COUNTY

FLD. CREW:	CR/CB
FLD. BOOK:	543/98
DRAWN BY:	LAC
JOB #:	01808.1634
DATE:	02/03/20

REVISIONS

DATE	DESCRIPTION	BY
2/24/20	ADD LEASE AND ACCESS UTILITY EASEMENTS	KJW

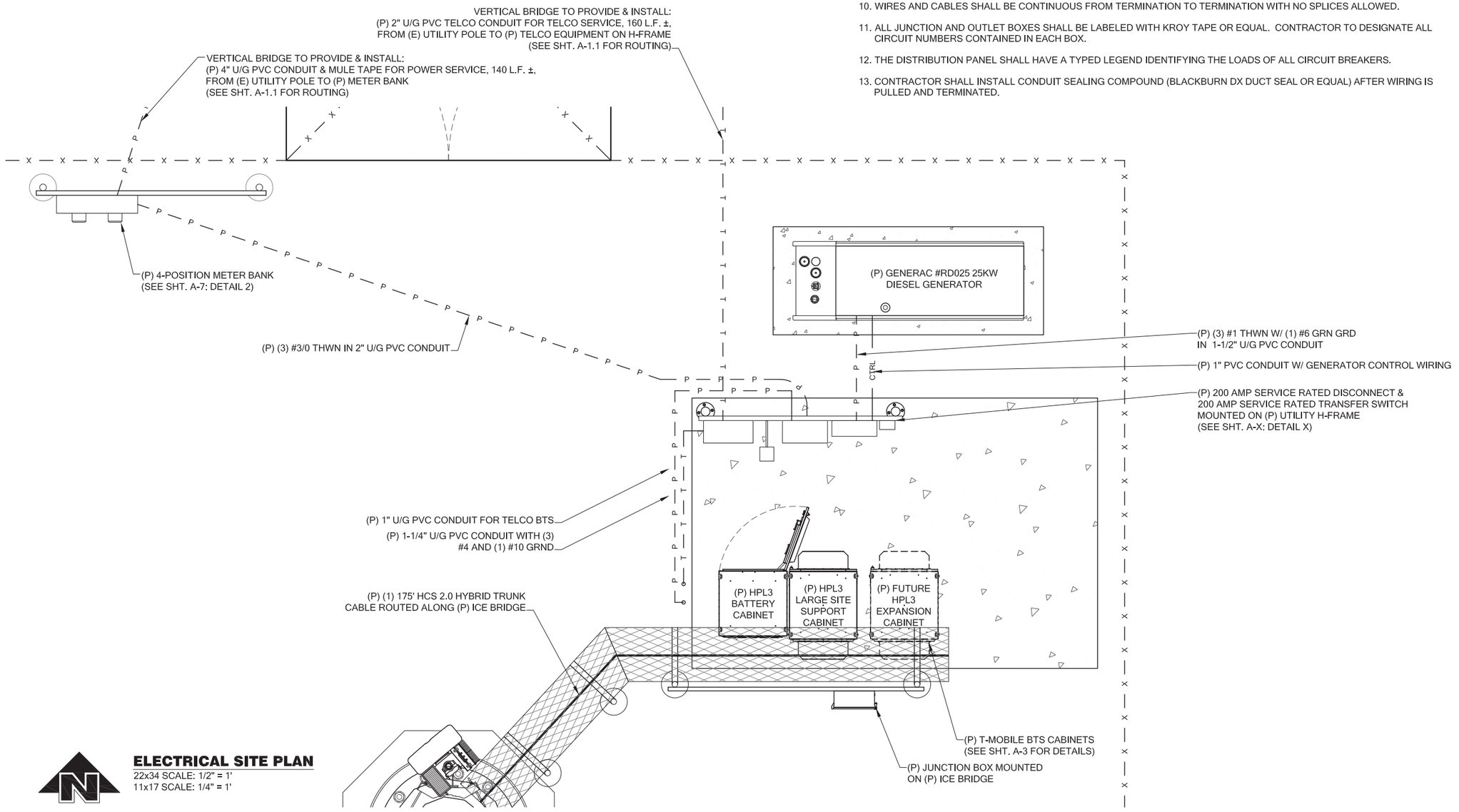
KEVIN J WALKER
STATE OF WASHINGTON
41038
REGISTERED
PROFESSIONAL LAND SURVEYOR
2/24/20

SHEET TITLE
EXISTING SITE SURVEY
SEC 26, TWP 20 N, RNG 15 E, WM

SHEET NUMBER
SV1

ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY LOCAL, CITY, OR COUNTY CODES THAT MAY APPLY.
2. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING, FILINGS, INSPECTIONS, AND TESTING AS REQUIRED BY THE PERMITTING AUTHORITY AND T-MOBILE.
4. UNDERGROUND CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE CONDUIT, SCHEDULE 40, TYPE 1, CONFORMING TO UL ARTICLE 651; MANUFACTURED BY WESTERN PLASTICS, CARLON, OR EQUAL. ALL BENDS SHALL BE 30" MINIMUM RADIUS.
5. CONTRACTOR SHALL CONTACT ALL UTILITIES FOR LOCATION OF UNDERGROUND SERVICES. SERVICE LOCATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
6. ALL EQUIPMENT, WIRING, AND MATERIALS MUST HAVE A UL LABEL.
7. CONTRACTOR SHALL PROVIDE AND INSTALL A 2" PVC CONDUIT WITH PULL ROPE FROM THE TELCO LINE BOX AND TELCO DEMARCATION POINT.
8. CONTRACTOR SHALL PROVIDE AND INSTALL A 2-½" PVC CONDUIT FROM POWER COMPANY SERVICE/DEMARCATION POINT AND METER BASE OR SERVICE PANEL WHERE APPLICABLE.
9. CONDUIT USED INDOORS SHALL BE EMT. CONDUIT USED OUTDOORS SHALL BE RMC. COUPLINGS SHALL BE RIGID STEEL AND COMPRESSION TYPE FOR EMT (SET SCREW FITTINGS ARE NOT PERMITTED). RMC TO BE USED FOR ALL CONDUIT STUB-UPS.
10. WIRES AND CABLES SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITH NO SPLICES ALLOWED.
11. ALL JUNCTION AND OUTLET BOXES SHALL BE LABELED WITH KROY TAPE OR EQUAL. CONTRACTOR TO DESIGNATE ALL CIRCUIT NUMBERS CONTAINED IN EACH BOX.
12. THE DISTRIBUTION PANEL SHALL HAVE A TYPED LEGEND IDENTIFYING THE LOADS OF ALL CIRCUIT BREAKERS.
13. CONTRACTOR SHALL INSTALL CONDUIT SEALING COMPOUND (BLACKBURN DX DUCT SEAL OR EQUAL) AFTER WIRING IS PULLED AND TERMINATED.



ELECTRICAL SITE PLAN
22x34 SCALE: 1/2" = 1'
11x17 SCALE: 1/4" = 1'

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:
7	11/17/2020	ADDING LIGHTENING ROD	BJT
6	11/10/2020	REVISED PER REDLINES	BJT
5	10/29/2020	DRAINAGE PLAN ADDED	BJT
4	7/15/2020	MINOR REV	BJT
3	3/18/2020	REVISED PER REDLINES	BJT
2	2/25/2020	UPDATED SURVEY ADDED	BJT
1	2/12/2020	ISSUED DESIGN REVIEW	BJT

PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS
STATE OF WASHINGTON
37041
REGISTERED
PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS AND OMISSIONS. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN WHICH IS RELATED TO NAMED CLIENT IS STRICTLY PROHIBITED.

DRAWING TITLE:

ELECTRICAL SITE PLAN

DRAWING NUMBER:

E-1

PANEL SCHEDULE

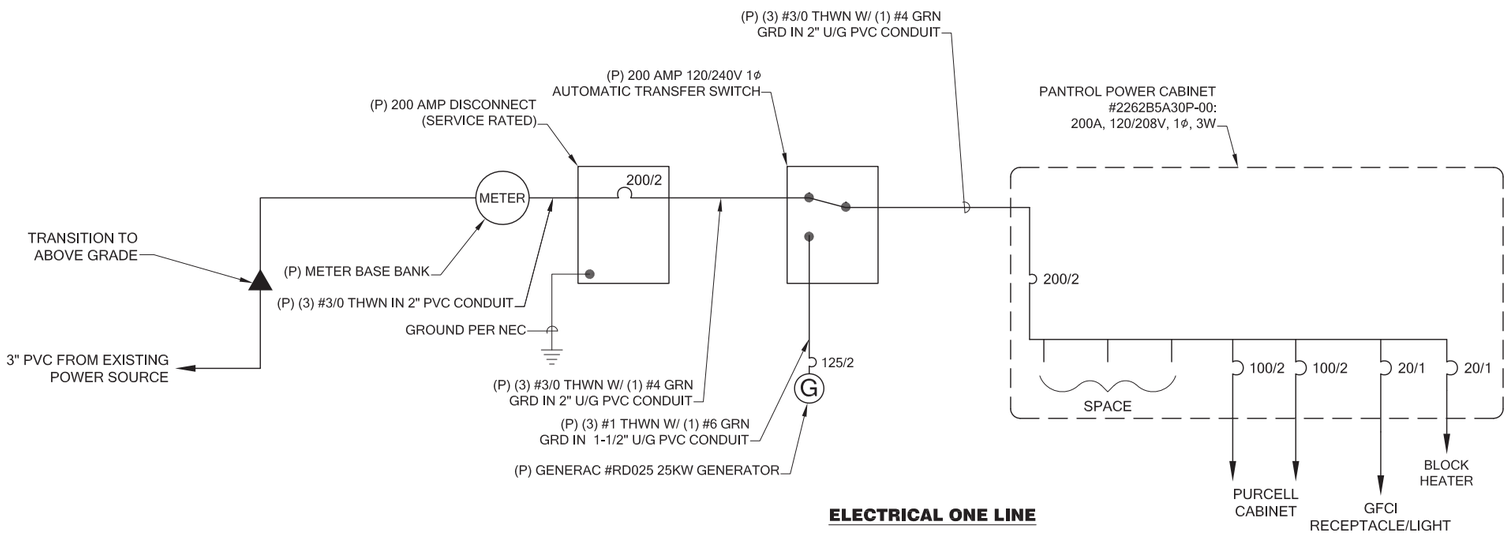
PANTROL

120/208V SINGLE PHASE 200 AMP
MAIN BREAKER W/ TVSS
65,000 AIC RATING

CIRCUIT DESCRIPTION	KVA	A	B	KVA	CIRCUIT DESCRIPTION
PURCELL CABINET	12	100 (1)	(2) 20	0.19	RECEPTACLE & LIGHT
" " " "			(4) 20	0.19	BLOCK HEATER
PURCELL CABINET	12	100 (3)	(6)		
" " " "		(5)	(8)		
		(7)	(10)		
		(9)	(12)		
		(11)	(14)		
		(13)	(16)		
		(15)	(18)		
		(17)			

LOAD CALCS:

(5) 3 KW RECTIFIERS =	15 KVA
RECEPTACLE & LIGHT =	0.19 KVA
BLOCK HEATER =	0.19 KVA
TOTAL	15.38 KVA 64 AMPS



ELECTRICAL ONE LINE

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

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1	2/12/2020	ISSUED DESIGN REVIEW	BJT

PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS
STATE OF WASHINGTON
37041
REGISTERED
PROFESSIONAL ENGINEER
11/23/2020

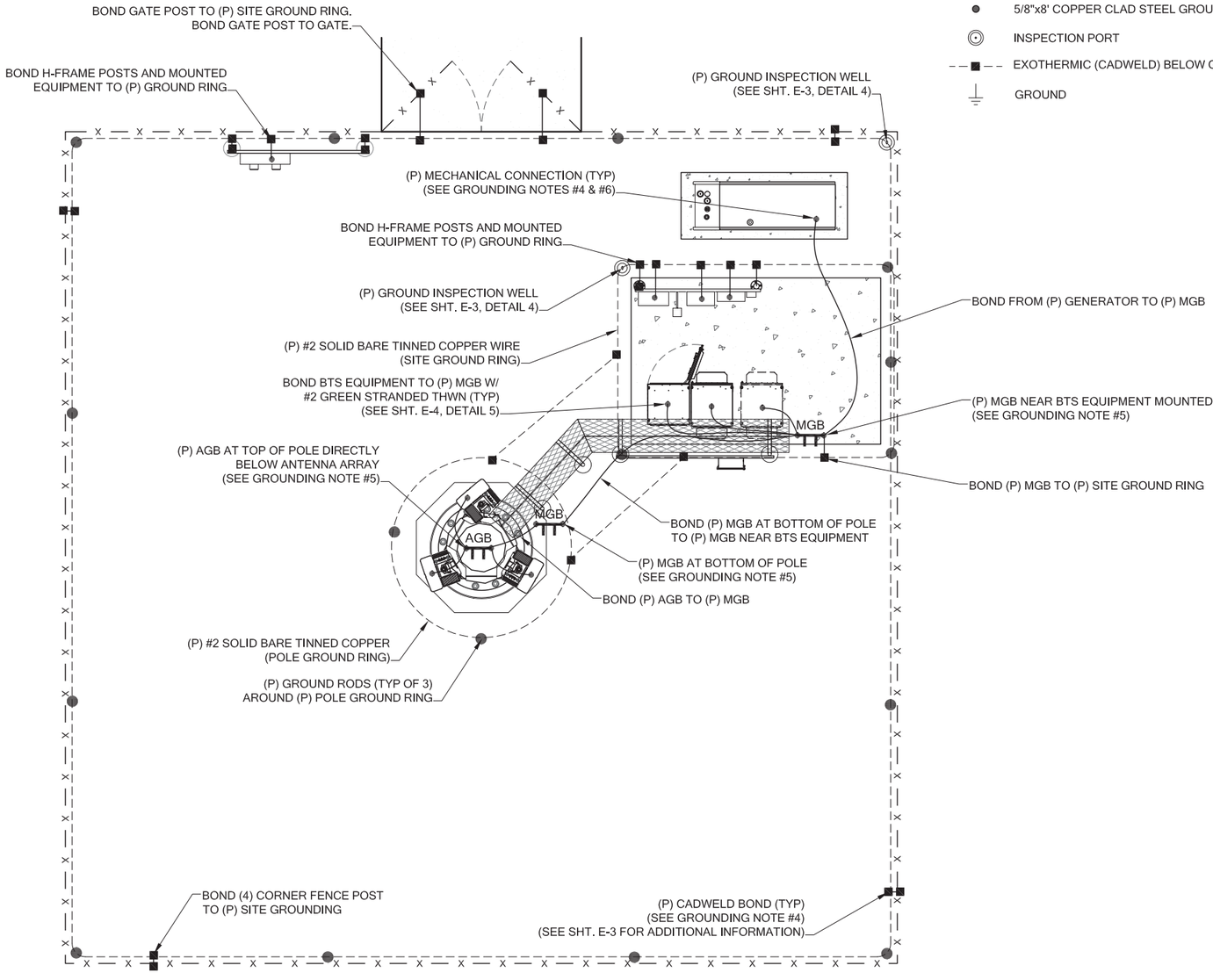
DRAWING INFORMATION:

DRAWING TITLE:

ELECTRICAL DETAILS

DRAWING NUMBER:

E-1.1



1 / E-2 **ELECTRICAL GROUNDING PLAN**

22x34 SCALE: 1/2" = 1'
11x17 SCALE: 1/4" = 1'

SYMBOL LEGEND:

- MGB — MASTER GROUND BAR 1/4"x4"x24" COPPER
- AGB — ACCESSORY GROUND BAR 1/4"x4"x12" OR 1/4"x4"x20" COPPER
- EXPOSED WIRING
- UNDERGROUND WIRING
- CADWELD
- MECHANICAL CONNECTION
- 5/8"x8' COPPER CLAD STEEL GROUND ROD
- INSPECTION PORT
- EXOTHERMIC (CADWELD) BELOW GROUND
- GROUND

GROUNDING NOTES:

1. GROUNDING SHALL COMPLY WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2. MINIMUM BENDING RADIUS FOR GROUND CONDUCTOR IS 8".
3. NO SPLICES PERMITTED IN GROUND CONDUCTORS.
4. ALL GROUNDING CONNECTORS TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE PENETROX OR EQUIVALENT ANTIOXIDANT GREASE.
5. ALL GROUND BAR CONNECTIONS ARE TO BE 2 HOLE LUG COMPRESSION TYPE. STACKED CONNECTIONS ARE NOT ACCEPTABLE. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BAR WILL BE PERMITTED.
6. ENSURE ALL MECHANICAL CONNECTORS ARE TORQUED TO THE MANUFACTURER'S SPECIFIED VALUES.
7. MULTIPLE BONDS ON GROUND RODS TO BE SEPARATED BY ATLEAST 6".
8. MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED A RESISTANCE OF 5 OHMS TO EARTH.
9. GROUND WIRES SHALL NOT BE INSTALLED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS; TO PRECLUDE ESTABLISHING A "CHOKE" POINT.
10. GROUND BARS SHALL NOT BE FIELD MODIFIED.
11. GROUND RING BURIAL DEPTH SHALL BE 30".
12. A CERTIFIED CONTRACTOR WILL MAKE ALL MEASUREMENTS REQUIRED TO TEST THE GROUNDING SYSTEM USING A MEGGER OR EQUIVALENT. THE ACCEPTABLE RESISTANCE MEASURED FOR THE GROUNDING SYSTEM WILL NOT EXCEED 5 OHMS RESISTANCE. THREE DISTANCES SHALL BE USED: 1 AT 100 FEET, 1 AT 70 FEET, AND 1 AT 35 FEET. THESE DISTANCES ARE SUBJECT TO A SITE BY SITE BASIS. T-MOBILE-WTS SHALL BE GIVEN 24 HOURS NOTICE. ALL COSTS ASSOCIATED WITH GROUND TESTING WILL BE AT THE EXPENSE OF THE CONTRACTOR.

T-Mobile
verticalbridge

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

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PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS — STATE OF WASHINGTON — 37041 — REGISTERED PROFESSIONAL ENGINEER
11/23/2020

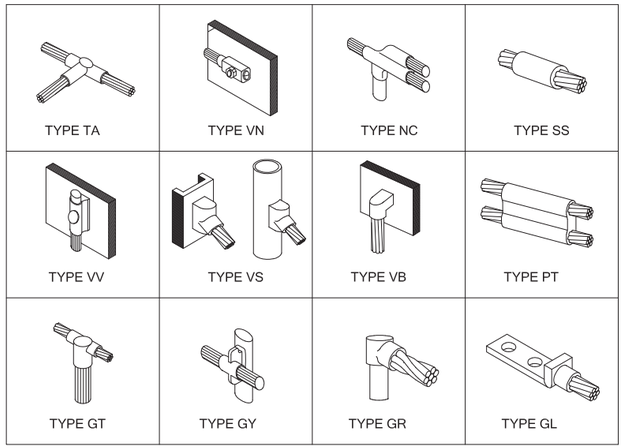
DRAWING INFORMATION:

DRAWING TITLE:

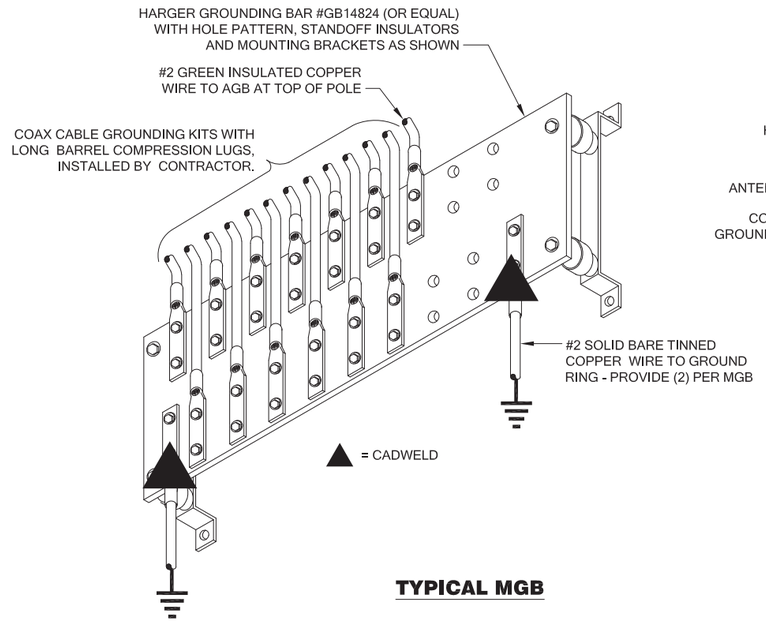
ELECTRICAL GROUNDING PLAN

DRAWING NUMBER:

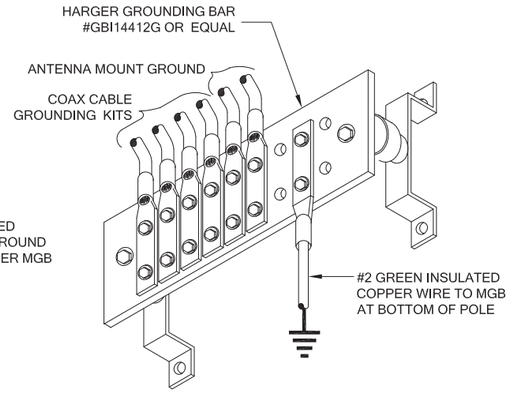
E-2



1 E-3 **TYPICAL CADWELD CONNECTIONS**
N.T.S.

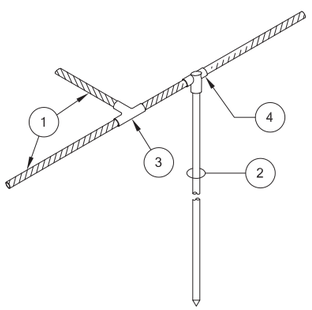


TYPICAL MGB



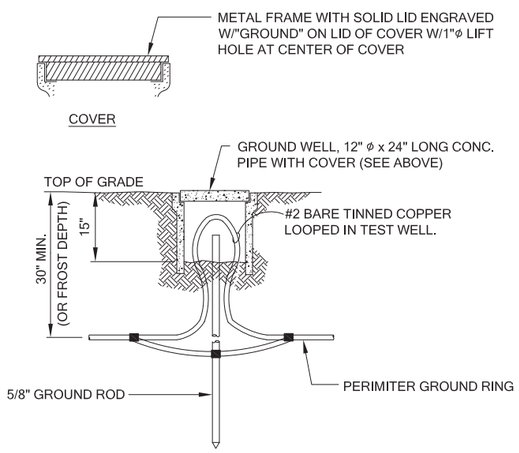
TYPICAL AGB

2 E-3 **GROUND BAR DETAILS**
N.T.S.

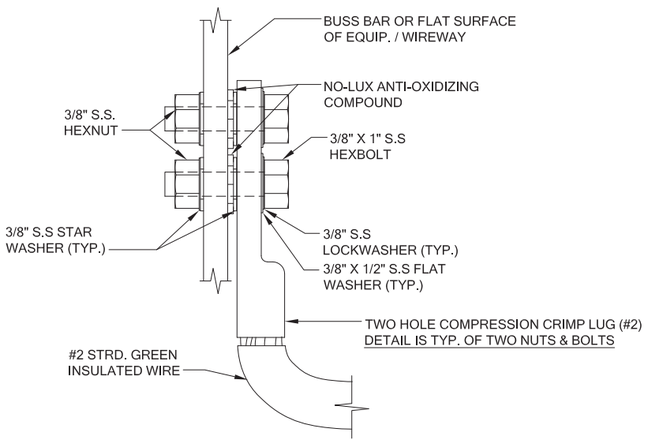


1. MAIN CONDUCTOR, COPPER CABLE
2. 5/8"x8' COPPER CLAD STEEL GROUND ROD
3. CADWELD TYPE "TA"
4. CADWELD TYPE "GT"

3 E-3 **GROUND ROD CONNECTION**
N.T.S.



4 E-3 **GROUND INSPECTION WELL**
N.T.S.



NOTES
1. TYP. ALL GROUND WIRES FOR ELECT. AND OTHER EQUIPMENT.

2. THE ENTIRE LUG AND AREA TO BE SPRAYED WITH CLEAR LAQUER OR COLD GALVINIZING SPRAY

3. GROUND LEADS TO BE CADWELDED TO GROUND RING.

5 E-3 **TYPICAL CABINET GROUNDING DETAIL**
N.T.S.

T-Mobile

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

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PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS STATE OF WASHINGTON 37041 REGISTERED PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

DRAWING TITLE:

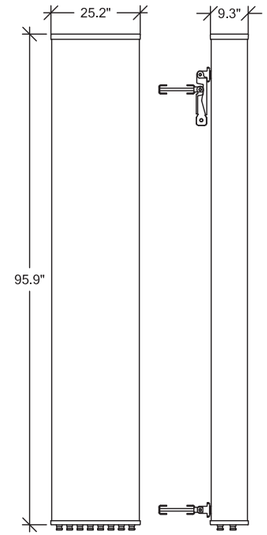
ELECTRICAL GROUNDING DETAILS

DRAWING NUMBER:

E-3

SITE LOADING CHART

SECTOR	COLOR	ANTENNA MODEL #	VENDOR	AZIMUTH (TN)	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	RADIATION CENTER	HYBRID CABLE LENGTH	COAX CABLES
ALPHA	RED	FFHH-65C-R3	COMMSCOPE	120°	0°	TBD	156'-0" AGL	(1) 175' HCS 2.0 HYBRID TRUNK CABLE	N/A
BETA	GREEN	FFHH-65C-R3	COMMSCOPE	250°	0°	TBD	156'-0" AGL		
GAMMA	BLUE	FFHH-65C-R3	COMMSCOPE	320°	0°	TBD	156'-0" AGL		



COMMSCOPE ANTENNA DATA

MECHANICAL SPECIFICATIONS				
PART NUMBER	HEIGHT	WIDTH	DEPTH	WEIGHT
FFHH-65C-R3	95.9 in	25.2 in	9.3 in	127.6 lbs
CONNECTORS	STANDARD MOUNTING HARDWARE			
(8) 7-16 DIN	INCLUDED			

ELECTRICAL SPECIFICATIONS				
FREQUENCY	POLARIZATION	GAIN	AZIMUTH B.W.	
617-2360 MHz	±45°	15.8-19.6 dBi	55°- 67°	
	VSWR	MAX INPUT POWER	ELEVATION B.W.	
	<1.5:1	300 WATTS	4.4° - 10.2°	

T-Mobile

PROJECT INFORMATION:

CLE ELUM DT
US-WA-5105
200 SOUTH PENNSYLVANIA AVE
CLE ELUM, WA 98922

ISSUED FOR:

BUILDING PERMIT

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PLANS PREPARED BY:

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7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY:	CHK. BY:
JL	BJ

LICENSURE:

B. J. THOMAS
STATE OF WASHINGTON
37041
REGISTERED PROFESSIONAL ENGINEER
11/23/2020

DRAWING INFORMATION:

DRAWING TITLE:

RF DETAILS

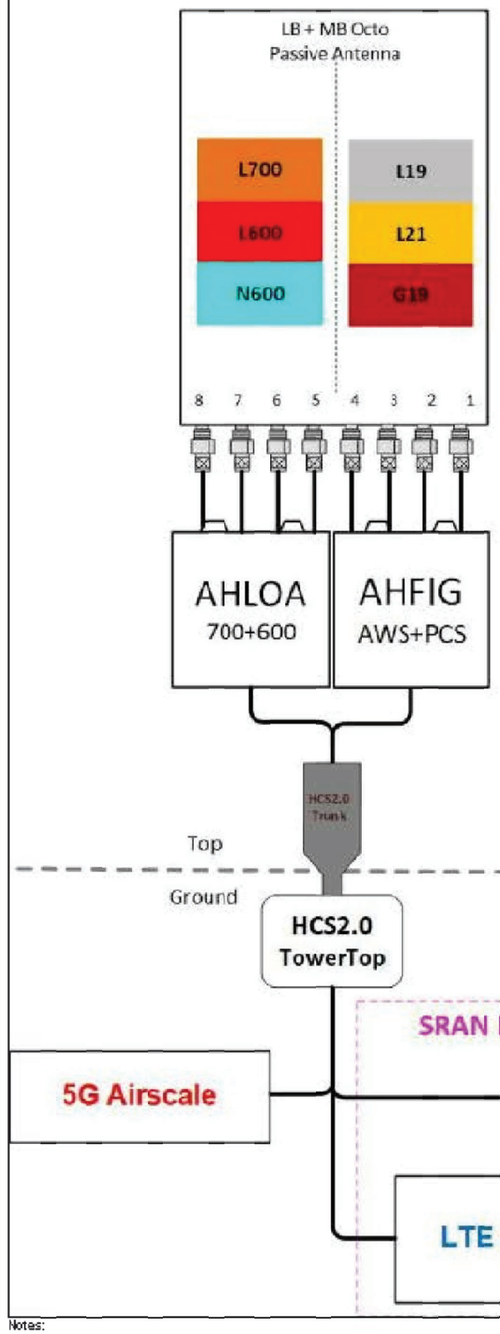
DRAWING NUMBER:

RF-1

Configuration 6790S_SR

(Alpha, Beta & Gamma)

*for 5G and LTE Airscale BB dimensioning refer to fiber port matrices



Lowband
L700 – 5 MHz
L600 –10 MHz
N600 – 10 MHz

Midband
L2100 – 20 MHz
L1900 – 20 MHz
SRAN – GSM

Notes:

T-Mobile

PROJECT INFORMATION:

CLE ELUM DT
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11/23/2020

DRAWING INFORMATION:

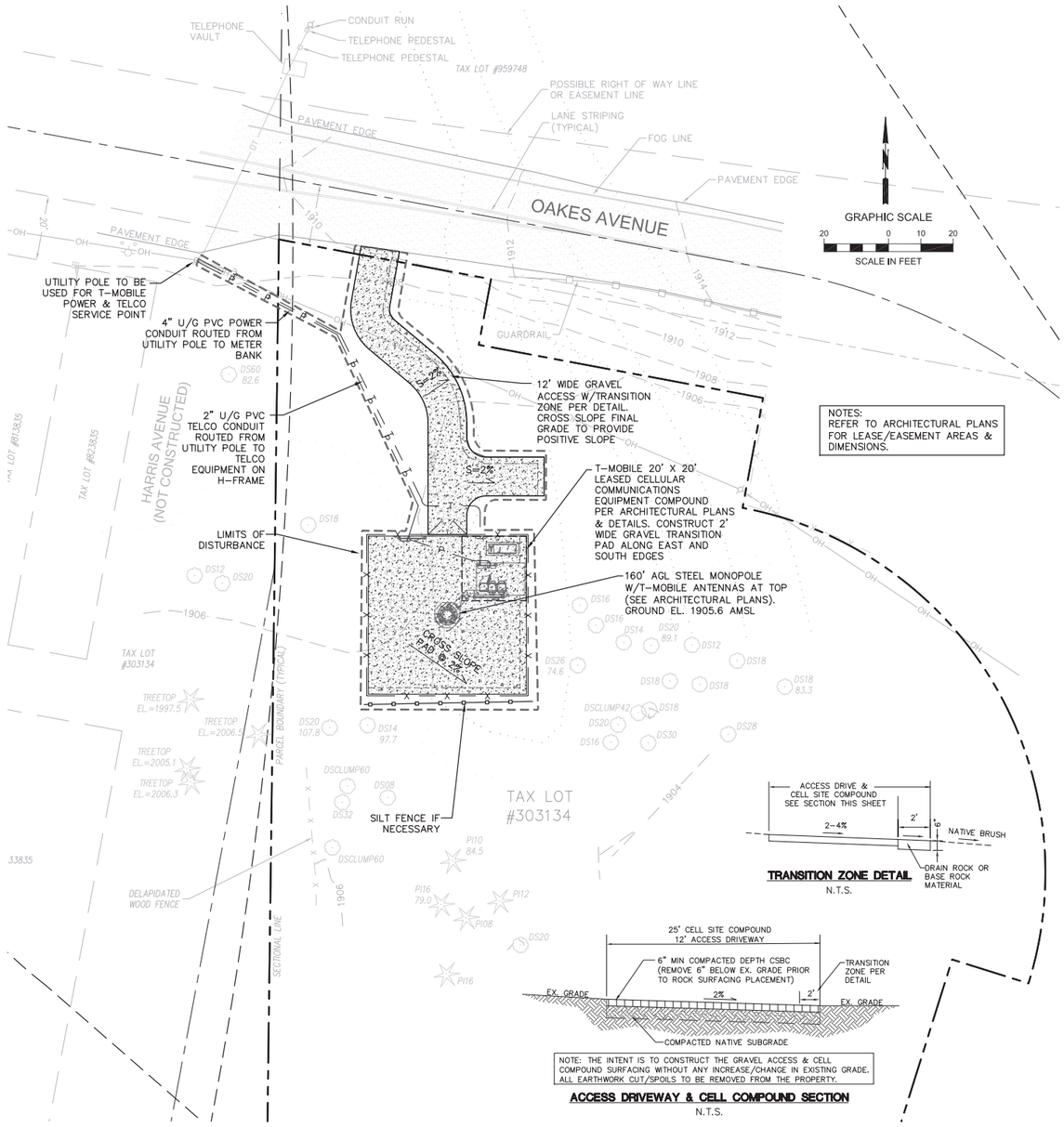
DRAWING TITLE:

RF DETAILS

DRAWING NUMBER:

RF-2

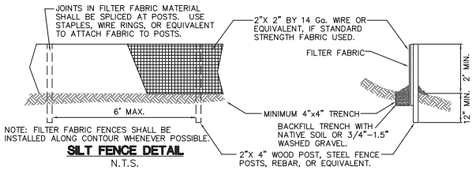
SECTION 26, TOWNSHIP 20 N, RANGE 15E



TRANSITION ZONE DETAIL
N.T.S.

NOTE: THE INTENT IS TO CONSTRUCT THE GRAVEL ACCESS & CELL COMPOUND SURFACING WITHOUT ANY INCREASE/CHANGE IN EXISTING GRADE. ALL EARTHWORK CUT/SPOILS TO BE REMOVED FROM THE PROPERTY.

ACCESS DRIVEWAY & CELL COMPOUND SECTION
N.T.S.



NOTE: FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE.

SILT FENCE DETAIL
N.T.S.

SILT FENCE MAINTENANCE STANDARDS

1. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED & CONVEYED TO A SEDIMENT TRAP OR POND.
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING & ACTING AS A BARRIER TO FLOW & THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

PROJECT SCOPE

THE PROJECT CONSISTS OF THE COSTRUCTION OF AN UNSTAFFED TELECOMMUNICATIONS FACILITY CONSISTING OF BTS EQUIPMENT LOCATED IN 50' x 50' CHAIN LINKED FENCED COMPOUND ON PRIVATE PROPERTY WITH ANTENNAS LOCATED ON A NEW 160' AGL STEEL MONOPOLE (PER ARCHITECTURAL PLANS AND DETAILS). OCCASIONAL AND INFREQUENT ACCESS TO THE SITE (TECHNICIAN SITE VISIT EXPECTED TO BE 1-2 TIMES PER MONTH) WILL BE FROM EXISTING PAVED ROAD. LITTLE SITE IMPACT IS ANTICIPATED AND THEREFORE MINIMAL T.E.S.C. MEASURES ARE REQUIRED. PROJECT CONTRACTOR SHALL EVALUATE SITE CONDITIONS AS WEATHER CHANGES OCCUR AND THE PROJECT PROGRESSES TO COMPLETION. COMPLETE FAMILIARITY WITH THE NOTES CONTAINED IN THIS PLAN SET IS REQUIRED PRIOR TO BEGINNING WORK. IT IS ANTICIPATED THAT THE MINIMAL DEVELOPED DRAINAGE THAT RESULTS FROM THE PROJECT WILL SAFELY SHEET FLOW AND DISPERSE INTO THE VEGETATION THAT SURROUND THE PROJECT SITE. NO IMPACT ON EXISTING CONDITIONS OR ADVERSE AFFECTS TO THE LOCAL SOIL AND/OR SURFACE WATER CONDITIONS IS ANTICIPATED. ALL EARTHWORK SPOILS SHALL BE REMOVED FROM THE SITE. ABSOLUTELY NO FILL OR CHANGES TO THE EXISTING GRADE IS ALLOWED ON THE SITE.

CONSTRUCTION SEQUENCE

1. ARRANGE & ATTEND A PRECONSTRUCTION MEETING WITH CITY OF CLE ELUM SITE INSPECTOR.
2. FLAG OR FENCE CLEARING LIMITS.
3. CALL ONE-CALL UTILITY LOCATE SERVICE PRIOR TO ANY EXCAVATION WORK.
4. CONSTRUCT ROCK CONSTRUCTION ENTRANCE, IF NECESSARY. NOT ANTICIPATED.
5. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.) WHEN, & IF, NECESSARY.
6. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS & MANUFACTURER'S RECOMMENDATIONS.
7. MAINTAIN ACCESS TO OFF-SITE ROADS & DRIVEWAYS AT ALL TIMES DURING THE DURATION OF THE PROJECT.
8. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION & SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY TESC MINIMUM REQUIREMENTS.
9. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
10. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
11. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
12. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED & BMPS REMOVED IF APPROPRIATE AFTER ACCEPTANCE BY INSPECTOR.

SITE WORK GENERAL NOTES

1. IT IS SOLE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR TO LOCATE THE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY UTILITIES SHOWN ARE APPROXIMATE AND PROVIDED AS A COURTESY.
2. EXISTING ACTIVE UTILITIES (I.E. SEWER, WATER, GAS, ELECTRIC, ETC.) ENCOUNTERED DURING WORK SHALL BE PROTECTED WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK. UTILITIES REQUIRING RELOCATION SHALL BE AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A TRENCHING & EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND STIPULATED IN THE DESIGN AND CONSTRUCTION SPECIFICATIONS.
4. ALL RUBBISH, STUMPS, AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
5. FINISH SITE GRADES SHALL BE SUCH THAT SURFACE WATER FLOWS AWAY FROM THE PCPs EQUIPMENT AND TOWER AREAS.
6. THE SUB GRADE SHALL BE COMPACTED TO A FIRM NON-YIELDING CONDITION AND UNIFORM GRADE PRIOR TO PLACEMENT OF BASE ROCK AND/OR ASPHALT PAVEMENT.
7. EXISTING INACTIVE UTILITIES (SEWER, GAS, WATER, ELECTRIC, ETC.), WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK. ALL UTILITY ABANDONMENT SHALL BE SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
8. ALL LANDSCAPE AREAS DISTURBED BY THE CONSTRUCTION WORK SHALL BE RESTORED TO PRE-EXISTING GRADE AND CONDITION. ANY DAMAGED LANDSCAPING PLANTS, TREES, AND/OR SHRUBS SHALL BE REPLACED WITH LIKE KIND AND SIZE.
9. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE TO THE MAXIMUM EXTENT POSSIBLE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED, SHALL BE IN ACCORDANCE TO THIS PLAN AND ANY AND ALL LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

WET SEASON GRADING NOTES

1. THE CONSTRUCTION SEQUENCE SHALL BE MODIFIED, AS NECESSARY TO MINIMIZE THE AREA OF UNSTABLIZED SOIL. A MAXIMUM OF 1,000 SQUARE-FEET OF SOIL SHALL BE EXPOSED AT ANY TIME.
2. EARTHEN AREAS THAT ARE SUBJECT TO CONTRIBUTING SEDIMENTS DURING STORM EVENTS AND WHERE EARTH MOVEMENT IS NOT ANTICIPATED FOR 48-HOURS SHALL BE STABILIZED A USING GROUND COVER BMP'S TO STABILIZE THE SOIL. USE STRAW MULCH AT A RATE OF 1.5# PER SQUARE FOOT OR 6" DEPTH WHATEVER IS GREATER.
3. WET SEASON TESC MEASURES WILL BE EXPANDED TO INCLUDE THE FOLLOWING A SECOND SILT FENCE 10 FEET INSIDE THE ORIGINAL SILT FENCE.
4. SOILS SHALL NOT BE DISTURBED EXCEPT FOR ACTUAL CONSTRUCTION ACTIVITIES. PARKING IS ALLOWED ON PAVED AND/OR GRAVEL SURFACES ONLY.
5. SLOPES 8% AND GREATER WITHOUT ESTABLISHED GROUNDCOVER WILL BE STABILIZED WITH PLASTIC SHEETING, 6 MIL (MINIMUM). THE SHEETING SHALL BE ANCHORED WITH SAND BAGS LOCATED 5' APART ON THE PERIMETER AND 10 FEET ON CENTER ON THE REMAINDER OF THE SHEETING. A MINIMUM OF 2 FEET OVERLAP IS REQUIRED ON ALL OVERLAPPING SHEETS.
6. CONCENTRATED WATER DISCHARGING FROM THE SITE SHALL BE MONITORED FOR TURBIDITY. MAXIMUM ALLOWABLE TURBIDITY OR DISCHARGED WATER WILL BE 5 NTU OVER BACKGROUND.
7. WHEN RAINFALL IS HEAVY (DEFINED AS RAINFALL HARD ENOUGH TO PRODUCE SEDIMENT RUN-OFF FROM THE EXPOSED DIRT), ALL EXPOSED EARTHWORK SHALL BE COVERED. NO OTHER CONSTRUCTION ACTIVITY SHALL OCCUR ON PERVIOUS SURFACES DURING THESE PERIODS OF HEAVY RAIN.
8. ALL DRAINAGE SWALES SHALL BE FULLY VEGETATED. SWALES SHALL BE SODDED IF THE VEGETATION GROWING IN THE SWALES IS INSUFFICIENT TO PROVIDE WATER QUALITY TREATMENT AND TO PREVENT EROSION OF THE SWALE.
9. FILTER FABRIC (GEOTEXTILE FABRIC) SHALL BE INSTALLED BENEATH THE ENTIRE CONSTRUCTION ENTRANCE.

VICINITY MAP
N.T.S.

LEGAL DESCRIPTION

ABBREVIATED PER ASSESSOR RECORDS: TBD

PROJECT SITE DATA

SITE NUMBER: US-WA-5105
SITE NAME: CLE ELUM DT
SITE ADDRESS: 200 SOUTH PENNSYLVANIA AVE, CLE ELUM, WA 98922
TAX ACCOUNT NO: 303134

CONTACT LIST

DEVELOPER: VERTICAL BRIDGE
CONSULTING ENGINEER: B.J. THOMAS, P.E. PH. (206) 851-1106
CIVIL ENGINEER: LITCHFIELD ENGINEERING PH. (425) 821-5038
SURVEYOR: DUCANSON COMPANY PH. (206) 244-4141

CENTER OF SITE (PROPOSED MONOPOLE)

COORDINATE DATA AT CENTER OF MONOPOLE LOCATION:
LAT - 47° 11' 32.69" N
LONG - 120° 56' 12.53" W ELEV.: 1905.6' AMSL

BASE FLOOD ELEVATION = 1904.0 (BASED ON AN EXTRAPOLATION OF FEMA FIRM MAP 530096 0001B DATED MAY 5, 1981)

GENERAL NOTES

1. ALL WORK PERTAINING TO THIS PROJECT SHALL BE SUBJECT TO INSPECTION BY THE CITY INSPECTOR OR HIS DESIGNATED REPRESENTATIVE.
2. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE A PRECONSTUCTION CONFERENCE WITH THE CITY INSPECTION UNIT.

SWPPP NOTE - MANAGEMENT OF THE PROJECT

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO MANAGE THIS PROJECT AND COORDINATE WITH THE CITY INSPECTOR AND ENGINEER.

INSPECTION AND MONITORING:
SITE INSPECTIONS SHALL BE DONE BY A PERSON WHO IS KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL. THE PERSON MUST HAVE SKILLS TO FIRST ASSESS THE SITE CONDITIONS AND CONSTRUCTION ACTIVITIES THAT COULD IMPACT THE QUALITY OF STORMWATER, AND SECOND ASSESS THE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES USED TO CONTROL THE QUALITY OF STORMWATER DISCHARGES.

WHENEVER INSPECTION AND/OR MONITORING REVEALS THAT THE BMPS IDENTIFIED IN THE CONSTRUCTION SWPPP ARE INADEQUATE, APPROPRIATE BMPS OR DESIGN CHANGES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE.

MAINTAINING AN UPDATED CONSTRUCTION SWPPP:
THE CONSTRUCTION SWPPP SHALL BE RETAINED ON-SITE WHENEVER CONSTRUCTION IS UNDERWAY.

ALTHOUGH NOT ANTICIPATED, THE SWPPP SHALL BE MODIFIED WHENEVER THERE IS A CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE AT THE CONSTRUCTION SITE THAT HAS, OR COULD HAVE, A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO WATERS OF THE STATE.

THE SWPPP SHALL BE MODIFIED IF, DURING INSPECTIONS OR INVESTIGATIONS CONDUCTED BY THE OWNER/OPERATOR, OR THE APPLICABLE LOCAL OR STATE REGULATORY AUTHORITY, IT IS DETERMINED THAT THE SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES FROM THE SITE. THE SWPPP SHALL BE MODIFIED AS NECESSARY TO INCLUDE ADDITIONAL OR MODIFIED BMPS DESIGNED TO CORRECT PROBLEMS IDENTIFIED. REVISIONS TO THE SWPPP SHALL BE COMPLETED WITHIN SEVEN DAYS FOLLOWING INSPECTION.

NEW IMPERVIOUS AREA
WIRELESS COMPOUND: 2,500 SQ. FT. ±
GRAVEL ACCESS: 1,480 SQ. FT. ±
TOTAL: 3,980 SQ. FT. ±

EARTHWORK QUANTITY ESTIMATE
EARTHWORK FOR COMPOUND & SITE ACCESS
QUANTITY ESTIMATE: 73 CY's ± (CUT)

NOTES:
1. ALL SPOILS TO BE REMOVED FROM THE SITE.
2. THE DRIVEWAY AND CELL SITE AREAS TO BE OVER-EXCAVATED PRIOR TO PLACEMENT OF THE GRAVEL SURFACING. INTENT: MAINTAIN AND/OR DECREASE THE EXISTING GRADE WITH NO INCREASE IN ELEVATION.

APPROVED: _____
CITY OF CLE ELUM Date

LITCHFIELD ENGINEERING
12840 81ST AVENUE NE
Kirkland, WA 98034
Tel (425) 821-5038 Fax (425) 821-5739

DWN BY	CHKD BY	DATE	NOTES
KAL	KAL	10-28-20	SUBMITTED TO CLIENT

DRAINAGE, GRADING, TESC & SWPP PLAN
CELLULAR COMMUNICATIONS SITE
CLE ELUM DT, US-WA-5105
CLE ELUM, WA

T-MOBILE
19807 NORTHCREEK PARKWAY, SUITE 101
BOTHELL, WA 98011

SHEET
1 of 1

JOB No.

City of Cle Elum
119 West First Street
Cle Elum, WA 98922

Phone: (509) 674-2262
Fax: (509) 674-4097
www.cityofcleelum.com

SUMMARY OF PRE-APPLICATION REVIEW MEETING

CEMC 17.100.050(D)
PREAP-2020-004
T-Mobile Tower
Pre-Application Meeting
August 17, 2020

This is a pre-application meeting summary with estimates and draft projections based upon the amount of information the City has been provided. Formal review of the project and associated mitigation or required actions will take place once applicable project applications are received.

1. Summary of the application

Application

The applicant, Vertical Bridge and T-Mobile c/o Technology Associates EC Inc., submitted a Pre-Application Review (CEMC 17.100.050) application via email and hard copy on July 27, 2020.

The proposed project is on parcel 303134 adjacent to Oakes Avenue west of the I-90 overpass, and includes the following components:

1. 160 foot monopole telecommunication tower
2. 500 square foot ground lease
3. Ground mechanical equipment enclosed behind an obscuring fence

Pre-Application Review Meeting

The Pre-Application Review meeting took place at 9:30 am on August 11, 2020 for 0.5 hours. The following people were in attendance:

- Applicant
  - Meghan Howey, Technology Associates
- City of Cle Elum
  - Rob Omans, Administrator/Building Official
  - Lucy Temple, Planner
  - Mike Engelhart, Public Works Director

2. Identify the relevant approval criteria, development standards and other relevant laws and policies

Review of the proposed project will follow a Type III permitting process (CEMC 17.100.040(B)), however all permit types are listed below for reference. All applications may be submitted concurrently. Staff will consolidate permit review processes to increase efficiency and produce a single combined staff report, where applicable (CEMC 17.100.040(B).

Once application and fees have been received, the applications will be reviewed for completeness (CEMC 17.100.060) and processing. When applications are deemed complete, the application materials will be reviewed per the criteria and standards found in CEMC 17.100, or elsewhere in the code as applicable.

- **Pre-Application Meeting**
  - Complete August 11, 2020
- **State Environmental Policy Act (SEPA) Checklist** (Type III)
  - This project is not exempt per WAC 197-11-800, and therefore requires a SEPA Checklist to be submitted to the City of Cle Elum (RCW 43.21C, WAC 197-11)
  - Download from Washington State Department of Ecology SEPA webpage
- **Variance** (Type III) - Application
  - The Variance process requires a hearing before the Cle Elum Planning Commission, which may take several weeks from receiving the application to holding the hearing, depending on the timing of the application and scheduled Planning Commission meetings.
  - The variance anticipated would be a request to deviate from the 35-foot height limit within City limits.
- **Site & Design Review** (Type II) - Application
  - The Site & Design Review process includes review of the project property and
    - CEMC 17.76.040(F) *Criteria for Design Review Approval*
    - CEMC 17.76.050 *Supplementary development standards.*
- **Floodplain permit** (Type II) – Application
  - The site is within the floodplain of the Yakima River and requires a floodplain permit.
  - The applicant should start with an Elevation Certificate from a certified engineer.
- **Building permit** (Type I) - Application
  - While the applicant may choose to submit the building permit application concurrently with the other permits, the Certificate of Occupancy will only be issued after the other permits are complete.
  - The building permit must meet all requirements of the International Building Code, as adopted by the City.
- **Ground Lease**
  - The applicant and City will also review and execute an amendment of the existing executed ground lease.

Other agency permitting may include, but not be limited to:

- **DNR Forest Practices Application**
  - Depends on how many trees are removed.
  - Contact Marty Mauney, 509) 856-7054, martin.mauney@dnr.wa.gov
- **Ecology Construction Stormwater General Permit**
  - Depends on area of disturbed ground (> 1-acre)
  - Contact Wendy Neet, (509) 571-6733, wnee461@ECY.WA.GOV

3. Evaluate information supplied by the applicant and identify any changes that may be necessary to comply with the approval criteria and development standards

- Site Prep
  - Dust control and haul plan must be coordinated with Public Works
  - Tree removal shall be coordinated with Public Works.
- Site access
  - Access to the site must be coordinated through Public Works.
  - Access to the tower is proposed to be constructed east of the existing gravel access driveway, which is closer to the overpass ramp. The existing gravel entrance is aligned across from the entrance of Swiftwater Blvd and the proposed entrance would be offset next to the guardrail. Because this is a private driveway with one trip per month, the access location is acceptable conditioned on approval by WSDOT, as this may be within the turnback jurisdiction.
  - CEMC 17.56.050 requires parking/driveway surfacing to be concrete, asphalt, or other hard surfaces approved by Public Works. A compacted gravel surface may be acceptable for this application due to minimal trips and associated minimal parking. This must be coordinated through Public Works.
- Stormwater
  - All stormwater must be retained onsite consistent with the City's Construction Standards and Stormwater Management Manual for Eastern Washington. A stormwater report is not required as the impervious area is less than 2,000 square feet.
- Landscaping
  - Landscaping will be required for site restoration per CEMC 17.64.
- Sewer & Water
  - A fire hydrant is located on Oakes Avenue within 300 feet of the tower, no additional hydrants are needed.
  - The plans do not reference or show the existing water and sewer mains that traverse the site, serving Whispering Pines. We recommend adding these facilities to the site plan to identify any potential conflicts.
- Building
  - FAA review/approval may be required due to height of tower.
- Zoning

- The property is appropriately zoned industrial.

4. Applicable application fees

Note: per CEMC 17.150 (Ordinance 1550), the Applicant will be responsible for reimbursing the City for staff and/or the costs of consultants, should consultants be required. All invoices must be paid within 20 days of the date on the invoice. The Applicant and the City executed a developers reimbursement agreement in January, 2020.

This link provides hourly rates city staff. Permit fees may be found here.

- Pre-Application
  - The applicant will be invoiced for the following staff time for application review, including meeting preparation, the pre-application meeting, and post-meeting recap preparation:
    - Administrator: 0.5 hours
    - Planner: 3.5 hours
    - Public Works Director: 1.5 hours
    - Civil Engineer: 1 hour
- SEPA Checklist $800 fee + $175* publication costs
- Variance $600 fee + $175* publication costs
- Site & Design Review $350
- Floodplain Permit $1,000 + $175* publication costs
- Building Permit fee to be determined

The $175 publication costs can be consolidated into a single $175 fee if submitted concurrently

5. Public facilities and improvements necessary to serve the development

- The applicant may need to make improvements to and regularly maintain the access driveway into the property from Oakes Avenue, which will be directed by the Public Works Director.

6. Current utility connection charges

- If the applicant chooses to have water, sewer, or garbage services, charges will need to be discussed with Utility Clerk Audrey Casassa at 509-674-2262 or audrey@cityofcleelum.com
  - An irrigation-only meter is an option for larger landscaping areas

7. Physical development limitations

- There do not appear to be development limitations other than the locations of existing utilities, wells, or other site topography.
- Bear in mind that floodplain fill requires an equal amount of floodplain excavation, which will be discussed and determined during the floodplain permitting process.

November 24, 2020

Meghan Howey
Technology Associates EC
9725 Third Avenue NE, Suite 410
Seattle, WA 98115

Re: Acoustical Report – T-Mobile US-WA-5105 Cle Elum DT
Site: 200 South Pennsylvania Ave, Cle Elum, WA 98922

Dear Meghan,

This report presents a noise survey performed in the immediate vicinity of the proposed T-Mobile telecommunications facility at 200 South Pennsylvania Avenue in Cle Elum, Washington. This noise survey 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 noise levels were measured on site with a Svantek 971 sound level meter on November 20, 2020. Measurements were conducted as close to the proposed location as possible and the property lines in accordance with the State of Washington code for Maximum Environmental Noise Levels WAC 173-60-020. The average ambient noise level was 66 dBA, primarily due to noise from traffic on I-90.

Code Requirements

The site is located within the City of Cle Elum zoning jurisdiction on property with an I (Industrial) zoning. The receiving properties are all in the same Industrial zoning.

The proposed new equipment includes equipment support cabinets and an emergency generator. The equipment support cabinets are expected to run 24 hours a day. The generator will run once a week during daytime hours for maintenance and testing purposes only.

Cle Elum Municipal Code Chapter 17.36.040 requires all uses in the Industrial zone to comply with Washington State noise standards. WAC 173-60-040 limits noise from equipment on a Class C EDNA (Industrial) property as follows:

Class C EDNA Receiver: Noise is limited to 70 dBA 24 hours a day. As the support cabinets are expected to operate 24 hours a day they must meet this limit.

Additionally, WAC 173-60-040 allows that during any one-hour period, the maximum permissible noise level may be exceeded by 5 dBA for a 15 minute period. Therefore, the generator must not exceed 75 dBA when running during daytime hours for maintenance testing. The generator is exempt during emergency operation.

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)	Quantity	Combined dBA @ 5 ft
Purcell HPL3 Equipment Cabinet	68 dBA @ 5ft	3	73
Total dBA (All cabinets combined)			**73**

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 70 feet west of the equipment. The following table presents the predicted sound level at the nearest receiving properties:

Table 2: Predicted Noise Levels: Proposed Equipment Cabinets

Line	Application Factor	W
1	Sound Pressure Level at 5 ft (dBA), Lp1	73
2	Distance Factor (DF) Inverse-Square Law (Free Field): DF = 20*log (d1/d2)	-23 (70 ft)
3	New Equipment Sound Pressure Level at Receiver, Lpr (Add lines 1 and 2)	**50**

As shown in Table 2, the sound pressure level from the proposed equipment is predicted to be 50 dBA at the nearest receiving property to the west, which meets the 70 dBA code limit. Noise levels at other receiving properties, which are further away, will be lower and within code limits.

Emergency Equipment

The proposed equipment includes one Generac RD025 25 KW diesel generator with a Level 1 sound enclosure and has a sound level of 65 dBA at 23 feet. The generator will be located at grade surrounded by a 7' chain-link fence. The nearest receiving property is approximately 70 feet west of the generator. The following are the predicted sound levels at the receiving property:

Table 3: Predicted Noise Levels: Proposed Emergency Generator

Line	Application Factor	W
1	Equipment Sound Pressure Level at 23 ft. (dBA), Lp1	65
2	Distance Factor (DF) Inverse-Square Law (Free Field): DF = 20log (d1/d2)	-10 (70 ft)
3	New Equipment Sound Pressure Level at Receiver, Lpr	55

As shown in Table 3, the sound pressure level from the proposed generator during test cycle operation is predicted to be 55 dBA at the nearest receiving property to the west, which meets the 75 dBA code limit. Noise levels at other receiving properties, which are further away, will be lower and within code limits.

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

Sincerely,
SSA Acoustics, LLP

Steve Hedback
Acoustical Consultant

EXHIBIT 2. STATE ENVIRONMENTAL POLICY ACT (SEPA) PACKAGE (SEP-2020-009)

- Notice of SEPA Comment Period, SEPA Checklist & DNS
- For comments received see Exhibit 6. No SEPA comments were received.

CITY OF CLE ELUM
119 W. First Street
Cle Elum WA 98926

In the matter of **Vertical Bridge, cellular tower project, State Environmental Policy Act (SEPA) Determination of Nonsignificance (DNS) distribution (SEP-2020-009):**

AFFIDAVIT OF MAILING

STATE OF WASHINGTON)
) ss.
County of Kittitas)

The undersigned being first duly sworn on oath states:

That on the **27th** day of **January, 2021**, affiant sent **by standard United States mail in properly stamped and addressed envelopes to the attached contact list, and by email to the attached email list, a Distribution Letter and Vicinity Map, SEPA DNS, and SEPA Checklist (email list only). Posters including dates of the SEPA comment period were posted onsite in two conspicuous locations, as well as outside City Hall and at the Cle Elum public library. The notice of SEPA Comment Period and issuance of the DNS was printed in the January 28, 2021 and February 4, 2021 legal sections of the Northern Kittitas County Tribune, newspaper of record.**

Signature: ______________________

SUBSCRIBED AND SWORN TO before me, this **27th** day of **January, 2021**.

____

Notary Public in and for the State of Washington

My commission expires: 9/23/2021

KATHLEEN S SWANSON
NOTARY PUBLIC
STATE OF WASHINGTON
Commission # 74760
APPOINTMENT EXPIRES SEPTEMBER 01, 2023

CLARK, KERRY
411 SWIFTWATER BLVD STE 110
CLE ELUM, WA 98922-1148

G D ENTERPRISES NW LP
14306 23RD AVE SW
BURIEN, WA 98166-1009

W L CLARK FAMILY LLC
480 RIVER RANCH LANE
CLE ELUM, WA 98922-8494

SLATER, MELBA J TRUSTEE
205 N PENNSYLVANIA AVE
CLE ELUM, WA 98922-1128

BNSF RAILWAY COMPANY
PO BOX 961089
FORT WORTH, TX 76161-0089

VAN DONGEN, CORNELIA J
190 DANKO RD
CLE ELUM, WA 98922-8121

HNH RENTALS LLC
104 N MONTGOMERY AVE
CLE ELUM, WA 98922-1223

K & F VENTURES LLC
4291 UPPER PEOH PT RD
CLE ELUM, WA 98922-9018

NORRIS, JAMES D.
PO BOX 502
ROSLYN, WA 98941-0502

Address, Place, or XY
GARDEN COURT CONDO
E Third St
W First St
E First St
E Second St
THE CREAMERY
N Oaks Ave
W Railroad St
E Railroad St
10357
35
959867
SW
Clark
959750
618936
BURLINGTON NORTHERN SANTA FE
663735
563735
Stillwater
Plat
123134
401534
303134
1920
Memorial Park
Grant St
River St
Section 26
Section 35
Third St
600ft

Vertical Bridge - SDR-2020-006; FP-2020-004; SEP-2020-009

NOA & SEPA - Agency email list

meghan.howey@taec.net; JWhitfield@verticalbridge.com; jim@nkctribune.com; nolan@inlandnet.com; David.Hoffman@pse.com; sandy.leek@pse.com; jmcgowan@cleelum.gov; romans@cleelum.gov; emills@cleelum.gov; kbland@cleelum.gov; mengelhart@cleelum.gov; kswanson@cleelum.gov; Planning Commission; CityCouncil@cleelum.gov; planner@ci.roslyn.wa.us; townofsouthcleelum@gmail.com; sce@inlandnet.com; Bocc@co.kittitas.wa.us; laura.osiadacz@co.kittitas.wa.us; planning@co.kittitas.wa.us; sepa@dahp.wa.gov; sepadesk@dfw.wa.gov; Jennifer.Nelson@dfw.wa.gov; sepaunit@ecy.wa.gov; separegister@ecy.wa.gov; sandra.floyd@ecy.wa.gov; lori.white@ecy.wa.gov; sepacenter@dnr.wa.gov; GonsetP@wsdot.wa.gov; PrilucJ@wsdot.wa.gov; ccamuso@yakama.com; Noah_Oliver@Yakama.com

APPLICANTS
Meghan Howey, TAEC – Applicant's Agent
Johnnie Whitfield, Vertical Bridge – Applicant

COMMUNITY
Northern Kittitas County Tribune – Reporter, Jim Fossett
Inland Networks – Owner, Nolan Weis
Puget Sound Energy, David Hoffman & Sandy Leek

LOCAL
Cle Elum
Mayor Jay McGowan
City Administrator Robert Omans
Cle Elum Fire Dept Chief Ed Mills
Cle Elum Police Dept Chief Kirk Bland
Public Works Director Mike Engelhart
City Clerk Kathi Swanson
Planning Commission (Group Email)
City Council (Group Email)

Other Cities
City of Roslyn – Planner, Michelle Geiger
Town of South Cle Elum – Staff, Dora Bannister

COUNTY
Board of County Commissioners, General email
Commissioner; District #2 - Laura Osiadacz
Community Development Services (Planning), General email

STATE
DAHP – SEPA Review
WDFW – SEPA Review; Area Habitat Biologist, Jennifer Nelson
Ecology – SEPA Review; SEPA Register; Floodplains, Sandra Floyd; Critical Areas, Lori White
DNR SEPA Center
WSDOT – Paul Gonseth, Planning Engineer; Jacob Prilucik, Asst. Planning Engineer

TRIBE
Yakama Nation – Cultural Resources Program, Noah Oliver
Yakama Nation – Cultural Resources Program, Corrine Camuso

City of Cle Elum
119 West First Street
Cle Elum, WA 98922

Telephone: (509) 674-2262
Fax: (509) 674-4097
www.cityofcleelum.com

CITY OF CLE ELUM

STATE ENVIRONMENTAL POLICY ACT (SEPA)
DETERMINATION OF NONSIGNIFICANCE (DNS) ISSUED

Who?

Applicant: Vertical Bridge c/o Technology Associates EC Inc.
(Contact: Meghan Howey, 9725 3rd Ave NE, #410, Seattle, WA 98115, 253-682-8556)

State Environmental Policy Act (SEPA) Lead Agency: City of Cle Elum

SEPA Official: Lucy Temple, City Planner, ltemple@cleelum.gov; 509-674-2262 x102

What?

The City of Cle Elum issued a Determination of Nonsignificance on January 27th, 2021 after reviewing the submitted SEPA Checklist for a proposed cellular tower project. The project also requires a Site & Design Review (SDR), Floodplain Permit (FP), and Building Permit, which will be processed under a Type II administrative process.

Documentation is available at City Hall or on the City webpage:
http://cityofcleelum.com/proposed-wireless-communication-facility-2020/

Please note: The original permit application submittal included a Variance. However, the Variance was determined not to be required based upon the Cle Elum Municipal Code (CEMC) 17.36.050(c) and definitions for buildings and structures found in CEMC 17.08.070 and CEMC 17.08.370, respectively. The Variance has therefore been retracted and the City will process a refund of the associated permit fees. Due to the cancellation of the Variance, which required a public hearing, the application package has been downgraded to a Type II administrative process and no public hearing will be held.

When?

A 14-day comment period is required, which ends **February 11, 2021.**

Where?

The proposed location is a City-owned parcel at 200 S Pennsylvania Ave, Cle Elum, WA 98922, Parcel #303134 (vicinity map on reverse side).

Why?

The purpose of this review is to collect community comments on the project.

If you are receiving this notice, you are an agency with jurisdiction, neighboring property owner, or a requested party of record.

COMMENTS SHOULD BE SENT TO:

ltemple@cleelum.gov OR Lucy Temple
119 West First Street
Cle Elum, WA 98922

Proposed Vertical Bridge Cellular Tower

Date: 1/26/2021

1 inch = 376 feet
Relative Scale 1:4,514

Disclaimer:
Kittitas County strives every effort to produce and publish the most current and accurate information possible. No warranties, expressed or implied, are provided for the data, its use, or its interpretation. Kittitas County does not guarantee the accuracy of the material contained herein and is not responsible for any use, misuse or representations by others regarding this information or its derivatives.

N

0 0.02 0.04 0.08 0.12 0.16 mi

Lucy Temple

From: Lucy Temple
Sent: Wednesday, January 27, 2021 11:11 AM
To: Lucy Temple
Subject: Cle Elum notice of SEPA DNS comment period - cell tower
Attachments: 21-0127_DNS Distribution Letter-VerticalBridge.pdf; 21-0127_SEPA-DNS-Vertical Bridge.pdf; US-WA-5105 Environmental Checklist_FNL.pdf

Hello Regulators and Stakeholders,

The City of Cle Elum has issued a Determination of Nonsignificance for the proposed cellular tower project you received a notice of application for on January 6, 2021 (see below). The Checklist and DNS are attached. Additional information may be found here: http://cityofcleelum.com/proposed-wireless-communication-facility-2020/

> **Please note:** The original permit application submittal included a Variance. However, the Variance was determined not to be required based upon the Cle Elum Municipal Code (CEMC) 17.36.050(c) and definitions for buildings and structures found in CEMC 17.08.070 and CEMC 17.08.370, respectively. The Variance has therefore been retracted and the City will process a refund of the associated permit fees. Due to the cancellation of the Variance, which required a public hearing, the application package has been downgraded to a Type II administrative process and no public hearing will be held.

Remaining project permits include a Site & Design Review, Floodplain Permit, and Building Permit, which will be issued under a Type II administrative process.
The comment period ends on February 11, 2021.

Please contact me if you have any questions.

Lucy Temple, Planner

119 West First Street
Cle Elum, WA 98922
(509) 674-2262 x102
www.cityofcleelum.com

From: Lucy Temple
Sent: Wednesday, January 6, 2021 1:01 PM
To: Lucy Temple <ltemple@cleelum.gov>
Subject: Cle Elum Notice of Application - cell tower

Hello Regulators and Stakeholders,

The City of Cle Elum has issued a Notice of Application for a proposed cellular tower on City-owned property. A distribution letter and notice are attached. Project information can be requested or found on a dedicated project webpage at: http://cityofcleelum.com/proposed-wireless-communication-facility-2020/

The current comment period ends January 20, 2021. A second public notice will be distributed once the SEPA Threshold Determination has been made which will also include the date of a public hearing for the requested Variance. We anticipate using the Optional DNS Process at that time.

Please let me know if you have any questions.

Lucy Temple, Planner

119 West First Street
Cle Elum, WA 98922
(509) 674-2262 x102
www.cityofcleelum.com

Lucy Temple

From: Lucy Temple
Sent: Tuesday, January 26, 2021 10:03 PM
To: Terry Hamberg; Jana Stoner
Cc: Jim Fossett; Kathi Swanson
Subject: Cle Elum public notice
Attachments: 21-0127_NOA-newspaper-notice.docx

Importance: High

Hello everyone,
Would you please be so kind as to include the attached public notice in your 1/28 and 2/4 newspapers?
Thank you so much!

Lucy Temple, Planner

119 West First Street
Cle Elum, WA 98922
(509) 674-2262 x102
www.cityofcleelum.com

City of Cle Elum
119 West First Street
Cle Elum, WA 98922

Phone: (509) 674-2262
Fax: (509) 674-4097
www.cityofcleelum.com

CITY OF CLE ELUM
DETERMINATION OF NONSIGNIFICANCE

The City of Cle Elum issued a State Environmental Policy Act (SEPA) Determination of Nonsignificance (DNS) on January 27, 2021 for a proposed cellular tower on City owned property (200 S Pennsylvania Ave, Cle Elum, WA 98922, Parcel #303134) within the Industrial Zone. Vertical Bridge c/o Technology Associates EC Inc (Contact: Meghan Howey, 9725 3rd Ave NE, #410, Seattle, WA 98115, 253-682-8556). As Lead Agency, the City has determined that this proposal will not have a probable significant adverse impact on the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision is based upon a review of the Environmental Checklist and submitted documentation. The SEPA Checklist and DNS are available to the public at: http://cityofcleelum.com/proposed-wireless-communication-facility-2020/ Pursuant to WAC 197-11-340(2)(v), the lead agency will not act on this proposal until after the end of the comment period. Comments may be submitted through February 11, 2021 to the City Planner at 119 W First Street, Cle Elum, WA 98922 or by email at ltemple@cleelum.gov (509-674-2262). The application and related documents may be examined online at the website above and paper copies may be requested by contacting the City planner. This will be the final opportunity to provide comment on this proposal.

CITY OF CLE ELUM

SEPA COMMENT PERIOD

Notice is hereby given that the City of Cle Elum issued a State Environmental Policy Act (SEPA) Determination of Nonsignificance for the project described below:

LOCATION: parcel 303134; 200 S Pennsylvania Ave, Cle Elum, WA

APPLICANT / Owner: Vertical Bridge c/o Technology Assoc. EC Inc; Meghan Howey, 9725 3rd Ave NE, #410, Seattle, WA 98115; 253-682-8556

PROJECT DESCRIPTION: proposed cellular tower

ACTION: Public comment period to collect public comment.

COMMENT PERIOD: **January 27, 2021 – February 11, 2021**
The SEPA Checklist (SEP-2020-009) and other project information may be reviewed at http://cityofcleelum.com/proposed-wireless-communication-facility-2020/ or by requesting copies from the City Contact below. **Comments may be submitted until 4:30 on February 11, 2021** via standard mail or email to the contact below.

CITY CONTACT: Lucy Temple, City Planner, 119 W. 1st St., Cle Elum WA 98922, 509-674-2262, ltemple@cleelum.gov

ADDITIONAL OPPORTUNITIES TO COMMENT:
This will be the final opportunity to comment on the project.

Due to COVID-19, City Hall is currently closed to the public.

CITY OF CLE ELUM
DETERMINATION OF NONSIGNIFICANCE (DNS)
January 27, 2021

DESCRIPTION OF PROPOSAL:
A 160-foot monopole cellular tower.

PROPONENT:
Vertical Bridge c/o Technology Associates EC Inc.
Contact: Meghan Howey, 9725 3rd Ave NE, #410, Seattle, WA 98115, 253-682-8556

LOCATION OF PROPOSAL:
200 S Pennsylvania Ave, Cle Elum, WA 98922, Parcel #303134

LEAD AGENCY:
City of Cle Elum

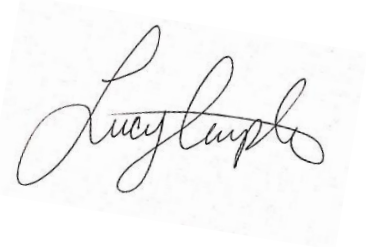
DETERMINATION:
The lead agency for this proposal has determined that the proposal (SEP-2020-004) does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c) and WAC 197-11. This decision was made after review of a completed SEPA environmental checklist and other information on file with the lead agency. The responsible official finds this information reasonably sufficient to evaluate the environmental impact of this proposal. This information is available to the public on the City's website at:

http://cityofcleelum.com/proposed-wireless-communication-facility-2020/

ACTION:

This DNS is issued under WAC 197-11-340(2)(v) and CEMC 15.28; the lead agency will not typically act on this proposal for 14 days from the date the DNS is signed.

RESPONSIBLE OFFICIAL:	Lucy Temple
POSITION/TITLE:	City Planner
ADDRESS:	119 West First Street, Cle Elum, WA 98922
EMAIL:	ltemple@cleelum.gov
PHONE NUMBER:	(509) 674-2262

DATE: January 27, 2021 **Sign:** 

Pursuant to CEMC 15.28.250 this DNS may be appealed by submitting specific factual objections in writing with a fee of $550.00 to the Cle Elum City Council, 119 West First Street, Cle Elum, WA 98922.

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [HELP]

1. Name of proposed project, if applicable: Vertical Bridge US-WA-5105 Cle Elum DT

2. Name of applicant: Vertical Bridge c/o Technology Associates EC Inc., Meghan Howey

3. Address and phone number of applicant and contact person:

(253) 682-8556, 9725 3rd Avenue NE, Ste 410, Seattle, WA 98115

4. Date checklist prepared: November 24, 2020

5. Agency requesting checklist: City of Cle Elum

6. Proposed timing or schedule (including phasing, if applicable): No phasing is proposed. The proposed project is scheduled for construction February 23, 2021.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. There are no current plans for additions; however, the facility is designed so that other carriers may co-locate. There would be no expansion of the proposed compound for collocations.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. Lotis Environmental prepared a Phase I Environmental Site Assessment on September 14, 2020.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. There are no other known applications pending governmental approval or other proposals directly affecting the property covered by this proposal.

10. List any government approvals or permits that will be needed for your proposal, if known. There are a number of governmental approvals required for this project, including a Pre-application Conference, Site & Design Review, Variance Type III, Floodplain Permit Type II, and a Building Permit.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) Vertical Bridge proposes a new 160' steel monopole, 50x50 fenced compound, and T-Mobile wireless telecommunication facility per plans. The subject parcel is 18.17 acres, but this project will only affect a small portion of this.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. The proposed project is located in the northwest corner of 200 South Pennsylvania Avenue, Cle Elum, WA 98922 / parcel 303134. The facility will be accessed from South Oaks Avenue. Legal descriptions, boundaries, site plan, vicinity map, and topographic map are included in the attached plan set.

B. Environmental Elements [HELP]

1. *Earth* [help]

a. General description of the site:

(circle one): (Flat,) rolling, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)? The steepest slope is approximately 1% or less.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. Dirt and gravel are surface soils. Loam is generally found at this site in the first and second layers of soil (0-17 inches). The third layer is fine-sandy loam (17-39 inches). The fourth and final layer is extremely gravelly – sand (39-60 inches).

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. There are no surface indications or history of unstable soils in the immediate vicinity.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. In the 50x50 proposed compound area, excavation, grading, clearing, and debris removal is proposed. There is no fill placement proposed. Compensatory storage is not necessary. All spoils will be removed from the site – 6" of soil will be replaced by compacted gravel. Please reference the last sheet of submitted plan set titled "Drainage, Grading, Tesco, & SWPP Plan".

Onsite compensatory mitigation equivalent to fill above grade will be required, per the floodplain permit (FP-2020-004).

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. Erosion could not occur as a result of clearing, construction, or use.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? Approximately 500 square feet will be covered by impervious surfaces after project construction.

The entire project will include 2,000sf of impervious surfacing.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: There are no proposed measures to reduce or control erosion or other impacts to the earth.

2. Air [help]

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. No emissions to the air would result from the proposal during construction, operation, and maintenance outside of minor emissions from a few vehicles traveling to the site.

Diesel generators may be used onsite as emergency power back up. Impacts are anticipated to be negligible.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. There are no off-site sources of emissions or odors that will affect this proposal.

c. Proposed measures to reduce or control emissions or other impacts to air, if any: There are no proposed measures to reduce or control emissions or other impacts to the air.

3. Water [help]

a. Surface Water: [help]

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. The Yakima River is near this site. I-90 provides a barrier between the proposed project and the river. There is a pond on the opposite side of the 18 acre parcel.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. The site is approximately 900 feet from the river and approximately 600 feet from the pond.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. No fill or dredge material would be placed on or removed from surface water or wetlands.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. The proposal will not require surface water withdrawals or diversions.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. Yes, the proposal lies within a 100-year floodplain. A floodplain application has been submitted and a design to compensate for this has been incorporated into the drawings.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. The proposal does not involve discharges of waste materials to surface waters.

b. Ground Water: [help]

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. No groundwater will be withdrawn from a well for drinking water or other purposes.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. There will be no waste material discharged into the ground from septic tanks or other sources.

c. Water runoff (including stormwater):

The entire project will include 2,000sf of impervious surfacing.

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. Minor water runoff from the 500 square foot compound will collect in the surrounding soil.

2) Could waste materials enter ground or surface waters? If so, generally describe. No waste materials could enter ground or surface waters.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. The proposal does not alter or otherwise affect drainage patterns in the vicinity of the site.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: There are no proposed measures to reduce or control surface, ground, and runoff water, and drainage impacts.

4. Plants [help]

a. Check the types of vegetation found on the site:

X deciduous tree: alder, maple, aspen, other
X evergreen tree: fir, cedar, pine, other
X shrubs
X grass
____pasture
____crop or grain
____ Orchards, vineyards or other permanent crops.
____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____water plants: water lily, eelgrass, milfoil, other
____other types of vegetation

b. What kind and amount of vegetation will be removed or altered? Shrubs and grass will be removed for the 50x50 compound and access road.

c. List threatened and endangered species known to be on or near the site. There are no threatened and endangered species known to be on or near the site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: There is no proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site.

e. List all noxious weeds and invasive species known to be on or near the site. There are no noxious weeds and invasive species known to be on or near the site.

5. Animals [help]

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. There are no known birds or other animals observed on or near the site.

Examples include:

birds: hawk, heron, eagle, songbirds, other:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other _____

b. List any threatened and endangered species known to be on or near the site. There are no threatened and endangered species known to be on or near the site.

c. Is the site part of a migration route? If so, explain. The site is not known to be part of a migration route.

d. Proposed measures to preserve or enhance wildlife, if any: There are no proposed measures to preserve or enhance wildlife.

e. List any invasive animal species known to be on or near the site. There are no invasive animal species known to be on or near the site.

6. Energy and Natural Resources [help]

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. Electric energy would be used to meet the completed project's energy needs.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. The project would not use solar energy by adjacent properties.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: There are no converstion features included in the plans of this proposal.

7. Environmental Health [help]

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal?

If so, describe. There are no known environmental health hazards that could occur as a result of this proposal.

1) Describe any known or possible contamination at the site from present or past uses.
There is no known or possible contamination at the site from presen or past uses.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. There are no existing hazardous chemicals/conditions that may affect project development and design.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. There are no toxic or hazardous chemicals that may be stored, used or produced during the project's development or construction.

4) Describe special emergency services that might be required. A fire extinquisher is kept at the site in case of fires.

5) Proposed measures to reduce or control environmental health hazards, if any: There are no proposed measures to reduce or control environmental health hazards.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? There are no types of noise that exist in the area which may affect this project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. There is extremely minimal noise created by the equipment cabinets which is within code limits. The noise from the construction will be within normal working hours and should not create a problem since the project is in an industrial area bordered by I-90 and railways.

3) Proposed measures to reduce or control noise impacts, if any: There are no proposed measures to reduce or control noise impacts.

8. Land and Shoreline Use [help]

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. The site is currently vacant. The adjacent properties are used for industrial and general commercial purposes. The site is also bordered by railway and an I-90 corridor.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? The project site is not used as working farmlands or working forest lands.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: The proposal will not affect or be affected by surrounding working farm or forest land normal business operations.

c. Describe any structures on the site. There are no structures on the site currently.

d. Will any structures be demolished? If so, what? No structures will be demolished.

e. What is the current zoning classification of the site? The current zone is Industrial (I).

f. What is the current comprehensive plan designation of the site? The current comprehensive plan designation of the site is unknown.

g. If applicable, what is the current shoreline master program designation of the site? There is no shoreline master program designation for this site.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. 600 feet away from the construction site is a pond that is designated as wetland by the City.

i. Approximately how many people would reside or work in the completed project? No one would work or reside in the completed project.

j. Approximately how many people would the completed project displace? This project would not displace anyone.

k. Proposed measures to avoid or reduce displacement impacts, if any: There are no proposed measures to avoid or reduce displacement impacts.

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: There are no proposed measure to ensure the proposal is compatible with existing and project land uses and plans.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: There are no proposed measure to reduce or control impacts to agricultural and forest lands of long-term commercial significance.

9. Housing [help]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. There are no units that would be provided.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. There are no units that would be eliminated.

c. Proposed measures to reduce or control housing impacts, if any: There are no proposed measures to reduce or control housing impacts.

10. Aesthetics [help]

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? The proposed monopole is 160' high. The principal exterior building materials are steel.

b. What views in the immediate vicinity would be altered or obstructed? Views from adjacent industrial and general commercial properties would be very minimally impacted. The facility is largely obscured by trees and existing vegetation.

b. Proposed measures to reduce or control aesthetic impacts, if any: The existing vegetation and trees will largely screen the facility from view.

All structures onsite will be color matched to the existing surrounding native

11. Light and Glare [help]

a. What type of light or glare will the proposal produce? What time of day would it mainly occur? No light or glare will be produced by this project.

b. Could light or glare from the finished project be a safety hazard or interfere with views? There is no light or glare from the finished project so no safety hazard is present.

c. What existing off-site sources of light or glare may affect your proposal? There is no off-site source of light or glare.

d. Proposed measures to reduce or control light and glare impacts, if any: There are no proposed measures to reduce or control light and glare impacts.

12. Recreation [help]

a. What designated and informal recreational opportunities are in the immediate vicinity? There are no designated and informal recreational opportunities in the immediate vicinity.

b. Would the proposed project displace any existing recreational uses? If so, describe. The proposed project would not displace any existing recreational uses.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: There are no proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project.

13. Historic and cultural preservation [help]

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe. There are no buildings, structures, or sites located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. There are no landmarks, features, or other evidence of Indian or historic use or occupation.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. There are no methods used to assess the potential impacts to cultural and historic resources on or near the project site.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. There are no proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources.

An inadvertent discovery plan will be kept onsite at all times during ground disturbing activities.

14. Transportation [help]

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. S Oakes Avenue and an on-ramp to I-90 is serving the site and affected geographic area. The site will be accessed from S Oakes Avenue.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? The site or affected geographic area is not currently served by public transit.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? No additional parking spaces are proposed.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). No improvements to existing roads, streets, pedestrial, bicycle, or state transportation facilities are required.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. The proposal will not occur in the immediate vicinity of water, rail or air transportation. Water is 600 feet away from this project.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? Minimal vehicle trips will be generated to construct the project. After that the site would be visited for maintenance minimally. There would be no vehicle trips per day generated.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. The proposal will not interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area.

h. Proposed measures to reduce or control transportation impacts, if any: There are no proposed measures to reduce or control transportation impacts.

15. Public Services [help]

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. The project would not result in an increased need for public services.

b. Proposed measures to reduce or control direct impacts on public services, if any. There are no proposed measures to reduce or control direct impacts on public services.

16. Utilities [help]

a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

c. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. An existing utility pole on S Oaks Avenue will be used for T-Mobile power and as a Telco service point.

C. Signature [HELP]

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Annotations added 1/27/21 by City Planner Lucy Temple based on additional information from the applicant.

Signature: _____

Name of signee Meghan Howey

Position and Agency/Organization Real Estate Specialist II, Technology Associates EC Inc.

Date Submitted: 11/25/2020

D. Supplemental sheet for nonproject actions [HELP]

(**IT IS NOT NECESSARY** to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

EXHIBIT 3. FLOODPLAIN PERMIT PACKAGE (FP-2020-004)

- Floodplain permit, floodplain application
- For Notice of Application, see Exhibit 1
- For comments received see Exhibit 6

PERMIT #: FP-2020-004

City of Cle Elum
119 West First Street
Cle Elum, WA 98922

Phone: (509) 674-2262
Fax: (509) 674-4097
www.cityofcleelum.com

FLOODPLAIN DEVELOPMENT PERMIT

Permission is granted under provisions of Chapter 86.18 RCW, this 12th day of February, 2021, to: Vertical Bridge c/o Technology Associates EC Inc., for the installation of a 160' cellular tower monopole and associated equipment in a 50 x 50 foot leased area in the following location, Parcel 303134; 200 South Pennsylvania Ave, Cle Elum, WA, 98922; Lat 47.192223, Long -120.93679.

Proposed works, structures, or improvements must be in accordance with Cle Elum Municipal Code (CEMC) as applicable, and the conditions listed below in this document. This flood permit and plans attached thereto will remain on file at Cle Elum City Hall.

The work herein authorized shall commence on or after the effective date and shall be completed by the timeline set forth in the corresponding building permit issued for this project, or before such dates as may be specified by any extensions granted.

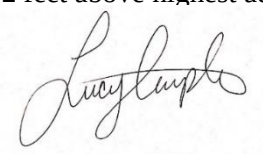
Analysis

The application received was certified by the applicant's engineer and reviewed by the City (see Site & Design Review Exhibit 5). The City Floodplain Manager determined based on best available current and historical information, that the proposed site is reasonably safe from flooding (CEMC 15.24.140(E); 44 CFR 60.3(c)(3)(4)). According to data provided by the applicant, the adjacent grade is between 1905.2 ft and 1906.7 ft. The top of the planned concrete pad is set to be constructed no higher than the highest adjacent grade. The project does not include, nor does the City require compensatory mitigation at this location. The application was reviewed using the following sections of the Cle Elum Municipal Code (CEMC):

- *CEMC 15.24.140 - Construction and Development Standards - Generally*
- *CEMC 15.24.150(B) - Construction and Development - Nonresidential Construction*
- *CEMC 18.01.060(D) – New permits required for activities in critical areas*
- *CEMC 18.01.070(E) - Performance standards - Frequently flooded areas*
- *CEMC 18.02 – Shoreline Master Program, 4.2 Environmental Protection and Critical Areas, Section T - Regulations – Frequently flooded area compensatory mitigation*

Conditions

1. The applicant shall provide an annotated existing site plan that shows the floodplain boundary.
2. The applicant shall provide the volume of any fill above highest adjacent grade, and any structures from 0-2 feet above the adjacent grade, for the project record and demonstrate adherence to the additional conditions below before the building permit will be issued for this project. Using the collected onsite elevations, the applicant will adhere to the additional conditions below.
3. Any structures from 0-2 feet above highest adjacent grade shall be floodproofed, otherwise elevate utilities 2 feet above highest adjacent grade.



February 2, 2021

Lucy Temple, City Planner/Floodplain Manager **Date**

Lucy Temple

From: Lucy Temple
Sent: Monday, February 1, 2021 8:44 AM
To: Meghan Howey
Subject: RE: US-WA-5105 highest and lowest grade

Hi Meghan,

The info below works and even better than that it is all I need for the Floodplain permit! I did a lot of digging over the weekend and found that you do not need compensatory mitigation.

So all I need now are the photo sims, which will help determine whether any landscaping other than repairing any disturbed ground will be necessary.

Good news!
Lucy

From: Meghan Howey <meghan.howey@taec.net>
Sent: Friday, January 29, 2021 9:08 AM
To: Lucy Temple <ltemple@cleelum.gov>
Subject: FW: US-WA-5105 highest and lowest grade

Hi Lucy,

Does the below work for you?

Thank you,

Meghan Howey
Technology Associates EC INC.
Real Estate Specialist II | meghan.howey@taec.net | (253) 682-8556
9725 Third Avenue NE, Suite 410 | Seattle | WA | 98115
****PLEASE NOTE NEW ADDRESS****

From: Kevin Walker <kevinw@duncansonco.com>
Sent: Friday, January 29, 2021 7:42 AM
To: Meghan Howey <meghan.howey@taec.net>
Cc: Barbara Chaney <barbara.chaney@taec.net>
Subject: RE: US-WA-5105 highest and lowest grade

Hi Meghan,

For the general area as we have it surveyed is as follows:

Datum = NAVD88
LAG = 1903.2 feet
HAG = 1910.0 feet

For the lease area specific, elevations as follows:

Datum = NAVD88
LAG = 1905.2 feet
HAG = 1906.7 feet

Please let me know if this works or how we need this information delivered.

Thank you,

Kevin J. Walker, PLS
Survey Manager
Duncanson Company Inc.
145 SW 155th Street, Suite 102
Seattle, Washington 98166
206-244-4141

From: Meghan Howey <meghan.howey@taec.net>
Sent: Wednesday, January 27, 2021 11:53 AM
To: Kevin Walker <kevinw@duncansonco.com>
Cc: Barbara Chaney <barbara.chaney@taec.net>
Subject: US-WA-5105 highest and lowest grade

Hi Kevin,

I confirmed that the City just needs to know highest and lowest grade for compensatory mitigation. They do not need to know BFE and do not need an elevation certificate. Let us know what your cost would be to complete this work. We're hoping to move forward quickly due to upcoming deadlines. Thank you!

Meghan Howey
Technology Associates EC INC.
Real Estate Specialist II | meghan.howey@taec.net | (253) 682-8556
9725 Third Avenue NE, Suite 410 | Seattle | WA | 98115
****PLEASE NOTE NEW ADDRESS****

From: Meghan Howey
Sent: Tuesday, January 26, 2021 11:39 AM

To: 'kevinw@duncansonco.com' <kevinw@duncansonco.com>
Cc: Lucy Temple <lucy@cityofcleelum.com>; 'Lucy Temple' <ltemple@cleelum.gov>
Subject: US-WA-5105 Elevation Certificate

Hi Kevin,

Thanks for discussing this with me! Can you please provide the lowest and highest adjacent grade on the property for the planner below to assess the BFE? I just called her (she is also cc'ed here with additional contact information below). She said that it was the general site area, not the parcel in its entirety. I have attached the plan set to reference the site location.

Let me know how much this will cost so we can start the reimbursement process as well as the timeframe.

Lucy Temple, Planner

119 West First Street
Cle Elum, WA 98922
(509) 674-2262 x102
www.cityofcleelum.com

Thank you,

Meghan Howey
Technology Associates EC INC.
Real Estate Specialist II | meghan.howey@taec.net | (253) 682-8556
9725 Third Avenue NE, Suite 410 | Seattle | WA | 98115
****PLEASE NOTE NEW ADDRESS****

119 West First Street
Cle Elum, WA 98922

Telephone · (509) 674-2262
Fax · (509) 674-4097

www.cityofcleelum.com

Stamp & initial

Received electronically on 11/25/2020 by Lucy Temple

FP-2020-004

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

SECTION 1: General Provisions (APPLICANT to read and sign):

1. No work of any kind may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal regulatory requirements.
7. Applicant hereby gives consent to the Local Administrator or his/her representative to make reasonable inspections required to verify compliance.
8. THE APPLICANT, CERTIFIES THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

(APPLICANT'S SIGNATURE) Meghan Howey DATE 11/3/2020

SECTION 2: Proposed Development (To be completed by APPLICANT):

Name	Address	Telephone	Email
(Property Owner) City of Cle Elum	119 West First Street Cle Elum, WA 98922	509-674-2262	lucy@cityofcleelum .com
(Applicant) Vertical Bridge / T-Mobile	750 Park of Commerce Dr, Suite 200, Boca Raton, FL 33487	270-804–9004	jwhitfield@ verticalbridge.com
(Authorized Agent) Technology Assoc. Meghan Howey	9725 3rd Ave NE, Ste 410 Seattle, WA 98115	253-682-8556	meghan.howey@ taec.net
(Builder) Contractor selected at issuance			
(Engineer) BJ Thomas	7607 80th Ave NE Marysville, WA 98270	206-851-1106	bjthomas@bjthomas pe.comcastbiz.net

Project Location and Parcel Specific Information : *To avoid delay in processing the application, please provide enough information to easily identify the project location. Provide the street address, lot number or legal description (attach) and, outside urban areas, the distance to the nearest intersecting road or well-known landmark. A sketch/drawing or photos attached to this application showing the project location would be helpful.*

Project Location: Adjacent to I-90 ramp in the NE corner of the parcel

Assessor's Parcel #: 303134 Acreage: 18.17

Site Address: 200 South Pennsylvania Avenue, Cle Elum, WA 98922

Highest Adjacent Grade Next To Proposed Structure:

Lowest Adjacent Grade Next to Proposed Structure:

Land Use: Zoning: Industrial Comp Plan Land Use: Planned Mixed Use

Watercourse Name: Yakima River

PROJECT INFORMATION

Activity Types	**Categories**	**Components**
☒ New Construction	☐ Residential Structure	☒ Excavation
☐ Addition	☒ Non-Residential Structure	☒ Fill
☐ Alteration	☐ Manufactured Home	☐ Channelization
☐ Relocation	☐ Bridge / Culvert	☒ Grading
☐ Demolition	☐ Levee	☒ Clearing
☐ Replacement	☐ Stream Bank / Channel	☐ Mining and Dredging
☐ Repair	☐ Irrigation Structure	☐ Drilling
☐ Storage	☐ Habitat Enhancement	☒ Debris Removal
	☐ Water / Sewer	☐ Wetland Impact
	☐ Subdivision (new or expansion)	☐ Other: _____
	☐ Other: _____	

Estimated cost of project $ 150,000

Quantity of fill placement in floodplain (detailed grade and fill plan required) 0 (cubic yards)

No fill placement in floodplain is proposed. Compensatory storage is not necessary.
All spoils will be removed from the site - 6" of soil will be replaced by compacted gravel.
Please reference last sheet of submitted plan set titled "Drainage, Grading, Tesco, & SWPP Plan".

List all applicable local, state and federal permits and indicate whether they were issued, waived, denied or pending.

Pre-application Review (complete), Site & Design Review (pending), Type III Variance (pending), SEPA (pending), Building Permit (pending).

Is the project within the Floodway? No If your parcel is partially in the Floodway, a survey of your property may be necessary to establish that the project is not encroaching in the Floodway. If the lot has a potential of encroaching in the Floodway, a "No Net Loss" analysis must be completed and submitted for review.

If determined, Base Flood Elevation at project site: 1904 per plans.

Project description and additional project information (attach additional sheets if necessary):

Vertical Bridge and T-Mobile propose a new telecommunication facility with a 160' monopole, 50x50 equipment area, and ancillary equipment per plans.

AUTHORIZATION:
The undersigned hereby certifies that this application has been made with the consent of the lawful property owner(s) and that all information submitted with this application is complete and correct. False statements, errors, and/or omissions may be sufficient for denial of the request. This application gives consent to the City to enter the properties listed above for the purposes of inspecting and verifying information presented in this application. The applicant further agrees to pay all fees associated with the review of this application.

All correspondence and notices will be transmitted to the Property Owner and copies sent to the applicant/authorized agent, as applicable.

Robert Omans — December 31, 2020
Signature of Property Owner — Date

Meghan Howey — 11/3/2020
Signature of Applicant — Date

Signature of Authorized Agent — Date

SECTION 3: Floodplain Determination (To be completed by Floodplain Manager):

FIRM Panel No:_____ Base Flood Elevation: _____

Special Flood Hazard Zone:_____ In Floodway? Yes/No _____

The Proposed Development:

- ☐ Is NOT located in a Special Flood Hazard Area (Notify the applicant that the application review is complete and NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED)
- ☐ Is partially located in the SFHA, but building/development is not.
- ☐ Is located in a Special Flood Hazard Area
  FIRM zone designation is _____.
  "100-Year" flood elevation at the site is: _____ft.
  ☐ Unavailable
- ☐ Is located in the floodway.
  FBFM Panel No. _____ Dated _____
  (if different from the FIRM panel and date)
- ☐ See Section 4 for additional instructions.

_____

Signature of Floodplain Manager Date

SECTION 4: Additional Information Required (To be completed by Floodplain Manager):

The applicant must submit the documents checked below before the application can be processed:

☐ A site plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions, and proposed development.

☐ Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, proposed elevation of lowest floor (including basement), types of water-resistant materials used below the first floor, details of floodproofing of utilities located below the first floor, and details of enclosures below the first floor.

Also, _____

☐ Plans showing the extent of watercourse relocation and/or landform alterations.

☐ Change in water elevation (in feet) _____ ☐ Meets ordinance limits on elevation increases ☐ Yes ☐ No

☐ Top of new compacted fill elevation _____ ft. NGVD (MSL).

☐ Floodproofing protection level (non-residential only) _____ ft. NGVD (MSL). For floodproofed structures, applicants must attach certification from registered engineer or architect.

☐ Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in <u>any</u> increase in the height of the "100-year" flood. A copy of all data and hydraulic/hydrologic calculations supporting this finding must also be submitted.

☐ Other:

_____

_____

SECTION 5: Permit Determination (To be completed by Floodplain Manager):

I have determined that the proposed activity: A. ☐ IS

B. ☐ Is NOT

In conformance with provisions of Cle Elum Municipal Code 15.24 Flood Hazard Protection. The Permit is issued subject to the conditions attached to and made part of this permit.

_____

Signature of Floodplain Manager Date

<u>If Box A is checked</u>, the Administrator may issue a Development Permit upon payment of a designated fee.

<u>If Box B is checked</u>, the Administrator will provide a written summary of deficiencies. Applicant may revise and resubmit an application to the Administrator or may request a hearing from the Cle Elum Planning Commission.

Lucy Temple

From: Robin Newcomb
Sent: Friday, December 4, 2020 8:50 AM
To: Lucy Temple
Subject: FW: Vertical Bridge Payment Notification - DO NOT REPLY

They paid. See below.

Robin Newcomb, Treasurer
119 W First St.
City of Cle Elum

www.cityofcleelum.com
Phone (509)674-2262 ext. 108
rnewcomb@cleelum.gov

From: Dynamics AX <axadmin@verticalbridge.com>
Sent: Thursday, December 03, 2020 2:03 PM
To: robin@cityofcleelum.com
Subject: Vertical Bridge Payment Notification - DO NOT REPLY

From: Vertical Bridge Accounts Payable Department To: City of Cle Elum

The following payment has been remitted:

- Payment Number:
- Payment Date: 12/03/2020
- Payment Amount: $3100
- Payment Method: ACH

Invoice Number	Invoice Date	Invoice Description	Invoice Amount	Paid Amount
2409	11/30/2020	Planning and Development fees	$3,100.00	$3,100.00

If you are setup with direct deposit, please allow 2 business days for payment to post to your account. Remember, if you change banks or bank accounts in the future, please notify us immediately.Please do not reply to this email. If you have any questions regarding this payment, please contact Accounts Payable at APRemittance@verticalbridge.com.

FEMA 1981 FLOOD MAP EXHIBIT

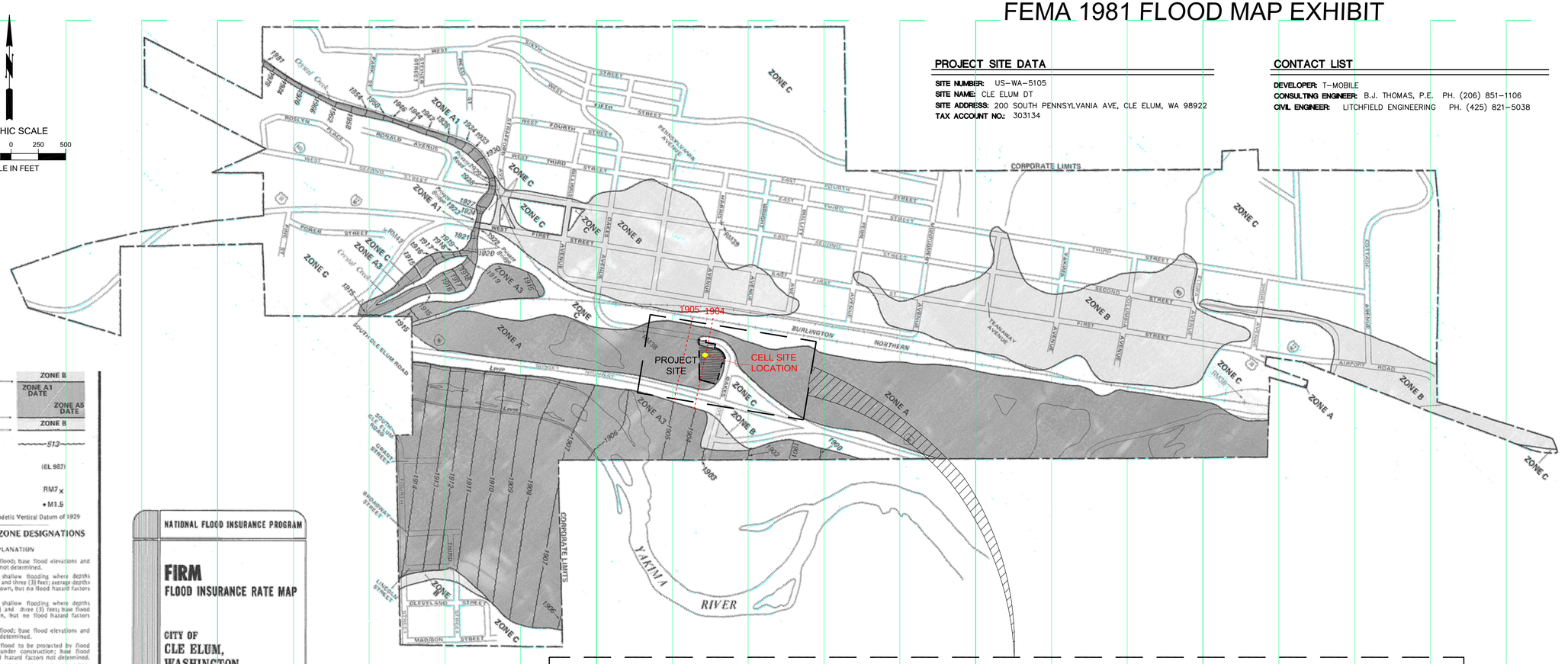
GRAPHIC SCALE
500 0 250 500
SCALE IN FEET

PROJECT SITE DATA

SITE NUMBER: US-WA-5105
SITE NAME: CLE ELUM DT
SITE ADDRESS: 200 SOUTH PENNSYLVANIA AVE, CLE ELUM, WA 98922
TAX ACCOUNT NO.: 303134

CONTACT LIST

DEVELOPER: T-MOBILE
CONSULTING ENGINEER: B.J. THOMAS, P.E. PH. (206) 851-1106
CIVIL ENGINEER: LITCHFIELD ENGINEERING PH. (425) 821-5038



100-Year Flood Boundary	ZONE B
Zone Designations* With Date of Identification e.g., 12/2/74	ZONE A1 DATE / ZONE A5 DATE
100-Year Flood Boundary	ZONE B
500-Year Flood Boundary	
Base Flood Elevation Line With Elevation In Feet**	513
Base Flood Elevation In Feet Where Uniform Within Zone**	(EL 987)
Elevation Reference Mark	RM7 ×
River Mile	• M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

***EXPLANATION OF ZONE DESIGNATIONS**

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

INITIAL IDENTIFICATION:
JUNE 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS:
AUGUST 20, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE:
MAY 5, 1981

FLOOD INSURANCE RATE MAP REVISIONS:

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE date shown on this map to determine when actuarial rates apply to structures in the zones where elevations or depths have been established.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6620, or (800) 424-8872.

APPROXIMATE SCALE
500 0 500 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
CLE ELUM,
WASHINGTON
KITTITAS COUNTY

ONLY PANEL PRINTED

COMMUNITY-PANEL NUMBER
530096 0001 B

EFFECTIVE DATE:
MAY 5, 1981

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT, NGVD)	DESCRIPTION OF LOCATION
RM36	1888.94	1.0 mile east along the Burlington Northern Railroad from the station at Cle Elum, 0.2 mile east of milepost 24, near road crossing, 53 feet north of centerline of the road, 1.7 feet east of a white wooden witness post. Reference mark is a U.S. Coast and Geodetic Survey standard disk stamped "Y245 1944" and set in a concrete post projecting 0.3 foot above ground.
RM38	1906.87	At Cle Elum, on the Budington Northern Railroad, 80 feet southwest of the railway water tank, at the crossing of Oakes Avenue, 220 feet south of the centerline of the main track, 56 feet west of the centerline of the avenue. Reference mark is a U.S. Coast and Geodetic Survey standard cap stamped "Elev 1906.902 feet mll" and fastened on the top of a 3.5 inch iron pipe projecting 1 foot above the lawn.
RM39	1908.22	At Cle Elum, at the intersection of Harris Avenue and Second Street, at the high school, at the west entrance, and in the concrete steps. Reference mark is a U.S. Coast and Geodetic Survey standard disk stamped "1908.300 MI7 1931".
RM42	2002.60	0.7 mile west along U.S. Highway 10 from the intersection 1 block south of the Post Office in Cle Elum, then follow the road leading to the Cle Elum Hospital until a guard rail closes off the track road, 90 feet north of the guardrail, 25 feet west of the center of the track road. Reference mark is a U.S. Coast and Geodetic Survey standard triangulation disk stamped "Hospital 1958" set in a 12 inch square concrete post 2 inches below ground surface.

GRAPHIC SCALE
100 0 50 100
SCALE IN FEET

SECTION 26, TOWNSHIP 20 N, RANGE 15E

REGISTERED PROFESSIONAL ENGINEER
KEITH A. LITCHFIELD
STATE OF WASHINGTON
STAMP NOT VALID UNLESS SIGNED AND DATED

NOTES	DATE	CHKD BY	DWN BY
SUBMITTED TO CLIENT	10-20-20	KAL	KAL

LITCHFIELD ENGINEERING
12540 81ST AVENUE NE
Kirkland, WA 98034
Tel (425) 821-5038 Fax (425) 821-5739

1981 FEMA FLOOD ZONE EXHIBIT
CELLULAR COMMUNICATIONS SITE
CLE ELUM DT, US-WA-5105
CLE ELUM, WA

T-MOBILE
19807 NORTHCREEK PARKWAY, SUITE 101
BOTHELL, WA 98011

SHEET
1 of 1

JOB No.

EXHIBIT 4. INTERIM GRADING AUTHORIZATION

City of Cle Elum
119 West First Street
Cle Elum, WA 98922

Phone: (509) 674-2262
Fax: (509) 674-4097
www.cityofcleelum.com

Vertical Bridge
Interim Work Authorization
February 12, 2021

Vertical Bridge is hereby authorized to complete the following planned clearing, grading, excavation, and site stabilization construction activities on parcel 303134, pending the review and approval of the required project permit conditions (See SDR-2020-006). The conditions below should be aligned by the developer with the current approved 2017 Washington State Department of Ecology Construction Stormwater General permit and 2019 Stormwater Management Manual for Eastern Washington (SWMMEW).

1. Install and maintain Best Management Practices (BMPs) as detailed below:
    a. Stabilized construction entrance
        i. This shall be a length of large quarry spalls for construction vehicles to drive through to remove dirt and debris from vehicle tires. No "track out" shall be permitted to enter Oakes Ave, including mud, dust, or debris. The stabilized entrance will prevent this issue.
    a. Dust control
        i. Dust control measures shall be implemented immediately and as needed to control dust throughout project site preparation and construction, and final closeout.
        ii. Cover and stabilize all exposed soils that are not actively being worked within 5 days.
2. Upon installation, please contact Lucy Temple to make arrangements for an onsite inspection.

This Interim Work Authorization is subject to the following conditions:

1. It shall be the ongoing responsibility of the property owner to monitor and maintain these dust, erosion, and sediment control measures.

2. Additional dust, erosion, and sediment control measures shall be installed as necessary, especially as seasonal weather changes occur.

3. The work described above shall be subject to monitoring and periodic inspection by the City.

4. Dust control shall be ongoing and accommodated within two hours upon request by the City.

5. The Project Engineer or his/her designee shall notify the City Public Works Director and all affected residences at least one day in advance of any activities that will result in the closure of a lane(s) of travel and shall provide flaggers and/or traffic safety measures in accordance with industry standards. This may require a City oversized load permit.

6. The failure to comply with these conditions of approval may result in the revocation of this interim authorization and/of the imposition of penalties.

    a. Subsequent permits shall not be issued if there are outstanding code violations on the site.

Construction Contacts:

Vertical Bridge
_____(e.g., Project Manager)
_____(e.g., Contractor/PE)

City of Cle Elum – 509-674-2262
Building - Rob Omans x101
Planning - Lucy Temple x102
Pub. Wks - Mike Engelhart x106

By signing this document the parties agree to the conditions above and hereby execute this agreement.

_____ _____
Vertical Bridge Date City of Cle Elum Date

EXHIBIT 5. INADVERTENT DISCOVERY PLAN

City of Cle Elum
Inadvertent Discovery Plan
VERTICAL BRIDGE

In the event that any ground-disturbing activities or other project activities related to this development or in any future development uncover protected cultural material (e.g., bones, shell, antler, horn or stone tools), the following actions will be taken:

1. When an unanticipated discovery of protected **cultural material** (see definitions below) occurs, the property owner or contractor will completely secure the location and contact:
   a) The property owner and project manager;
   b) The Department of Archaeology and Historic Preservation (DAHP) (Dennis Wardlaw, 360-586-3085);
   c) The affected Tribal members:
      a. Guy Mora, Tribal Historic Preservation Officer (THPO), Colville Confederated Tribes (509-634-2695);
      b. Kate Valdez, Tribal Historic Preservation Officer (THPO), Confederated Tribes and Bands of the Yakima Nation (509-865-1068);
      c. Steve Mullen-Moses, Director – Archaeology and Historic Preservation, Snoqualmie Indian Tribe (425-495-6097)

   d) and the City Planner associated with the project: Lucy Temple, City of Cle Elum (o. 509-674-2262, c. 509-656-4577)
2. If the discovery is **human remains**, the property owner or contractor will stop work in and adjacent to the discovery, completely secure the work area by moving the land-altering equipment to a reasonable distance, and will immediately contact:
   a) The property owner and project manager: City of Cle Elum – Lucy Temple (509-656-4577) AND Mayor Jay McGowan (509-304-4576)
   b) The Kittitas County Sheriff's Department (509-962-7525)
   a) and the Kittitas County Medical Examiner's Office (509-933-8200) (alternate phone: Coroner Nick Henderson, cell 509-856-4970) to determine if the remains are forensic in nature;
   b) If the remains are not forensic in nature the Department of Archaeology and Historic Preservation (DAHP) (Guy Tasa 360-586-3534); will take the lead on determining the appropriate method of treatment for the remains and will consult with the affected tribes;

Cultural material that may be protected by law could include but not be limited to:

1. Buried layers of black soil with layers of shell, charcoal, and fish and mammal bones (Figure 1, top).
2. Buried cobbles that may indicate a hearth feature (Figure 1, bottom);
3. Non-natural sediment or stone deposits that may be related to activity areas of people;
4. Stone, bone, shell, horn, or antler tools that may include projectile points (arrowheads),
5. scrapers, cutting tools, wood working wedges or axes, and grinding stones (Figures 2 and 3);
6. Stone tools or stone flakes (Figures 2 and 3);
7. Perennially damp areas may have preservation conditions that allow for remnants of wood and other plant fibers; in these locations there may be remains including fragments of basketry, weaving, wood tools, or carved pieces (Figure 4); and
8. Concentrations of historical period artifacts (> 50 years old) (Figure 5); and
9. Human remains. This includes complete burials as well as fragmentary remains.

Figure 1: Shell Middens (top) and Heath Features (both) are both common components of precontact period sites.

Figure 2: Examples of stone and bone tools.

Figure 3: Examples of stone flakes.

Figure 4: Examples of underwater/intertidal archaeological features including wood or stone fish weirs (left), clam gardens (bottom), sunken canoes (right) or other watercraft, and basketry.

Figure 5. Historical period sites (more than 50 years in age) are also protect by archaeology laws. These can include concentrations of broken ceramics, bottles, bricks, and metal objects.

EXHIBIT 6. COMMENTS RECEIVED

Written comments were accepted during the following comment periods:

- Notice of Application, comment period, January 6 – January 20
- State Environmental Policy Act (SEPA), January 27 – February 11
    - No SEPA Comments were received

From:	Downes, Scott G (DFW)
To:	Cle Elum Planning
Subject:	WDFW Comments on Proposed Phase 1 City Heights Development
Date:	Friday, September 25, 2020 10:58:05 AM
Attachments:	WDFW Comments on Proposed Phase 1 City Heights Development.pdf

Attached please find WDFW comments on the Proposed Phase 1 of the City Heights Development.

Thank you,

Scott Downes
Fish & Wildlife Habitat Biologist
Washington Department of Fish and Wildlife
Region 3 Habitat Program
1701 South 24th Ave
Yakima, WA 98902-5720
Scott.Downes@dfw.wa.gov
Office-509-457-9307
Cell-509-607-3578

State of Washington
DEPARTMENT OF FISH AND WILDLIFE
South Central Region • Region 3 • 1701 South 24th Avenue, Yakima, WA 98902-5720
Telephone: (509) 575-2740 • Fax: (509) 575-2474

August 19, 2020

DeAnna Anglin
Environmental Biologist/Consultant
The Lotis Group
East Amherst, NY 14051

Subject: re: WDFW Comments on Threatened and Endangered Species consultation for telecommunications build "Cle Elum DT" located in "Kittitas County, Washington"

Dear Ms. Anglin:

Washington Department of Fish and Wildlife (WDFW) has reviewed the proposal to construct a telecommunications tower near 200 South Pennsylvania Avenue, Cle Elum, Kittitas County. WDFW offers the following comments:

1. The project site is not connected to the Yakima River and thus will have “no effect” on Bull Trout habitat.
2. Yellow-billed Cuckoo have not bred in Washington State since prior to 1960 and the site does not fit habitat requirements of the species. The conclusion for that species should be “no effect”.
3. There appears to be native vegetation on the site from the attached photos. Clearing should be limited to only that necessary to construct the project. Upon completion of construction, any disturbed areas should be restored, and native species should be used for restoration. Shrubby species such as wild rose and other native shrub species are often well suited for the site. Native species found on the parcel would be good indicators of appropriate species, and WDFW can provide ideas for species should that information be needed.

If you have questions regarding any of the above comments, please contact me at 509-607-3578 or Scott.Downes@dfw.wa.gov and WDFW would be happy to meet on site with the applicant to further clarify and discuss the measures specified above.

Sincerely,

Scott Downes
Area Habitat Biologist

Lucy Temple

From: Sherri Burgesd <noreply@cleelum.gov>
Sent: Thursday, January 7, 2021 2:55 PM
To: Lucy Temple
Subject: New submission from Vertical Bridge NOA Comments

Name

Sherri Burgesd

Address

115 Evergreen Way
Easton, Washington 98925
United States
Map It

Email

sherri471963@hotmail.com

Notifications

- I would like to opt-in to receive project notification emails

Comment

Yes, people are getting away from landlines. We have horrible services. Especially when 190 backs up.

Lucy Temple

From: Kathy Wyborski <wyborskikathy@yahoo.com>
Sent: Wednesday, January 13, 2021 1:21 PM
To: Lucy Temple
Cc: Rob Omans; Jay McGowan
Subject: T-Mobile Cell Phone Tower Location - Go Much Further East

Dear Ms. Temple

The proposed cell phone tower, T-Mobile's, needs to be further out away from Residential areas.

Living too close to cell phone towers carries with it a definite health risk that occurs when living too close to these micro-cellular technologies.

You will be harming the property values and lives of those nearby.

I plead that you put that thing further east, further away from current and future residential areas.

Thank you,

Kathy Wyborski
231 Sagebrook Lane

Lucy Temple

From: Twila and Bud Moss <noreply@cleelum.gov>
Sent: Saturday, January 16, 2021 10:30 AM
To: Lucy Temple
Subject: New submission from Vertical Bridge NOA Comments

Name

Twila and Bud Moss

Address

707 W 2nd street
Cle Elum, Washington 98922
United States
Map It

Email

tdemenezes@msn.com

Comment

I am very much apposed to putting a cell town anywhere within the city limits. The current suggested location is close to residential property and commercial properties and will be very visible to anyone come into the area. We are supposed to be making our community look better not putting up a eyesore. Just like power lines which were supposed to be safe to live by, they are now considered to be a danger to our health. I believe that in the near future it will be widely know to be the same with cell towers. Anyone living within the proximity of the tower will surely see their property values decline. I don't see if it is necessary to have a tower in the this area, that a sight north of the community in the hills away from residential properties can't be found. You go across the mountain to the greater Seattle area their towers are away from people and not intrusive.

Lucy Temple

From: Kaiser, Mark <KaiserM@wsdot.wa.gov>
Sent: Tuesday, January 19, 2021 7:39 AM
To: Lucy Temple
Cc: Prilucik, Jacob
Subject: SEP-2020-009, Vertical Bridge
Attachments: CleElum_SEP-2020-009_Vertical Bridge.pdf

Lucy,
Attached are WSDOT's comment for SEP-2020-009, Vertical Bridge monopole cell tower.

Mark Kaiser
WSDOT – Planning
2809 Rudkin Rd.
Union Gap, WA 98903-1648

Phone: 509-577-1668

Washington State Department of Transportation

South Central Region
2809 Rudkin Road
Union Gap, WA 98903-1648
509-577-1600 / FAX: 509-577-1603
TTY: 1-800-833-6388
www.wsdot.wa.gov

January 13, 2021

City of Cle Elum Planning Department
119 West First St.
Cle Elum, WA 98922

Attn: Lucy Temple, Planner

RE: SEP-2020-009, Vertical Bridge
I-90 MP 84.38 left – Exit 84 - Oakes Ave.

We have reviewed the proposed site plan and have the following comments.

- The subject property is adjacent to Interstate 90 (I-90), a fully-controlled limited access facility with a posted speed limit of 70 miles per hour. WSDOT has acquired all access rights to the highway, including the on- and off-ramps of Exit 84. Direct access to I-90 or within the limited access boundary is strictly prohibited.
- As a public safety agency, WSDOT assists with the response to emergencies in which life and property are threatened. Some communications facilities operate at frequencies that interfere with our radio system. Because of this, there is the potential for reception problems for our mobiles operating in those areas. To prevent potential interference with the two systems, we encourage the proponent to do cooperative testing with the WSDOT to identify any problems that may be corrected through the installation of specific protective or interference devices. The applicant should contact Walt Hoffman of the WSDOT - South Central Region Office at (509) 577 1980 to discuss any potential interference or coordinate any testing.
- In addition, we are concerned with potential interference from any facilities that may co-locate on this site in the future. To prevent potential interference between our system and any future system, we encourage the proponent to coordinate future co-locates with the WSDOT.

Thank you for the opportunity to review and comment on this proposal. If you have any questions regarding this letter, please contact Jacob Prilucik at (509) 577-1635.

Sincerely,

Paul Gonseth

Paul Gonseth, P.E.
Region Planning Engineer

Enclosure

PG: jjp/mnk

cc: I-90, File #6
Michael Krahenbuhl, Area 1 Maintenance Superintendent

Lucy Temple

From: Hanson, Sydney (DAHP) <Sydney.Hanson@dahp.wa.gov>
Sent: Wednesday, January 20, 2021 9:01 AM
To: Lucy Temple
Cc: Guy Moura (HSY); Aren.Orsen.HSY@colvilletribes.com; 'steve@snoqualmietribe.us'; Casey Barney; Corrine Camuso; Jessica Lally; Jon Shellenberger; Kate Valdez; Noah Oliver
Subject: City of Cle Elum_Vertical Bridge US-WA-5105 Cle Elum DT Cell Tower (SEP-2020-009)_Inadvertent Discovery Plan Requested (DAHP Project Tracking # 2021-01-00331)
Attachments: 2021-01-00331_012021_IDP Requested.pdf

Hi Lucy,

Attached is our letter regarding the project referenced in the subject line. Please contact me with any questions.

All the best,

Sydney Hanson, MA | Transportation Archaeologist
(preferred pronouns: she / her)
360.280.7563 (cell) | sydney.hanson@dahp.wa.gov

Department of Archaeology & Historic Preservation | www.dahp.wa.gov
1110 Capitol Way S, Suite 30 | Olympia WA 98501
PO Box 48343 | Olympia WA 98504-8343

**Please note that all DAHP employees are currently working remotely as a precaution against COVID-19. Our current schedules, email addresses, and cell phone numbers are available on our website. Thank you for your patience and understanding.*

Allyson Brooks Ph.D., Director
State Historic Preservation Officer

January 20, 2021

Lucy Temple
Planner
City of Cle Elum
119 West First Street
Cle Elum, WA 98922

In future correspondence please refer to:
Project Tracking Code: 2021-01-00331
Property: City of Cle Elum_Vertical Bridge US-WA-5105 Cle Elum DT Cell Tower (SEP-2020-009)
Re: Inadvertent Discovery Plan Requested

Dear Lucy Temple:

Thank you for contacting the Washington State Historic Preservation Officer (SHPO) and Department of Archaeology and Historic Preservation (DAHP) and providing documentation regarding the above referenced project. Our statewide predictive model indicates that there is a high probability of encountering cultural resources within the proposed project area. However, due to the small footprint of the project, DAHP is not requesting a cultural resources survey at this time. We do ask that you prepare an inadvertent discovery plan (IDP) and prepare construction crews for the possibility of encountering archaeological material during ground disturbing activities. We also recommend consultation with the concerned Tribes' cultural committees and staff regarding cultural resource issues.

These comments are based on the information available at the time of this review and on behalf of the SHPO in conformance with Washington State law. Should additional information become available, our assessment may be revised.

Thank you for the opportunity to comment on this project. Should you have any questions, please feel free to contact me.

Sincerely,

Sydney Hanson
Transportation Archaeologist
(360) 280-7563
Sydney.Hanson@dahp.wa.gov

Lucy Temple

From: JEFF CHOYCE <jeffchoyce@hotmail.com>
Sent: Wednesday, January 20, 2021 3:45 PM
To: Lucy Temple
Subject: 5G and our City Counsel

I am strongly opposed to the 5g tower proposal east of Oakes Ave. in Cle Elum. There is plenty of scientific research world wide explaining the unhealthy effects. So it may seem that climbing aboard the 5G wagon seems to be the way to go, the harmful effects should be reason enough to not allow. You are the counsel that has the capacity to change the already threatened health of Cle Elum forever. The health of our water supply from lake CleElum is also a serious concern. During the summer I have counted as many as 323 cars or trucks parked on that beach. (our water supply) Additionally you could count dozens of soiled diapers stuffed under old stumps or under rocks, COME ON! In contrast The Howard Hansen Reservior (City of Tacoma water) and the Chester Morse Reservior (City of Seattle reservior) DO NOT allow entry of any public for any reason and has been this way for 40+ yrs that I personally know of!

WATER, AIR, SKY, AND THE INVISIBLE OF 5G it is time to take a stand for we who've been here for generations and those who have come to escape the uglys of elsewhere!

No 5G Thank You

Jeff Choyce 65 yrs and 4th generation Cle Elum

To: City of Cle Elum
RE: 5G Comments
Date: Wednesday 1/20/2021

Dear City of Cle Elum,

Thank you for the opportunity to provide comment on the 5G cell tower(s) that some wish to be installed in our city. I really appreciate the opportunity; God Bless America and our freedom of speech.

I vehemently oppose this reckless and life-damaging technology to be installed anywhere within and outside the city limits of Cle Elum. In fact, I oppose the existence of 5G towers anywhere in Kittitas County and really, the whole world.

There are **myriad** of validated reasons for such opposition that it is quite difficult to encapsulate in one letter, in a manner that does not overwhelm you, the reader.

Electro Magnetic Fields (EMF's) cause a litany of adverse health effects. Peer reviewed research studies on Radiofrequency Radiation have found: CANCER, Headaches, Ringing in ears, Memory problems, Dizziness, Depression, Sleep problems, Sperm damage, Altered brain development, Hormone changes and more.

1. I will first provide you with some illustrations from 5G exposed website because pictures often say a thousand words.
2. An environmental Impact statement created by 5GExposed.com
3. The 20 Facts you need to know about 5G from Dr. Mercola's website.
4. Health Effects of EMF Exposure in General from Dr. Mercola's website.
5. A link to Letters from Scientists on the health risk of 5G from the Environmental Health Trust website Here:
    a. https://ehtrust.org/small-cells-mini-cell-towers-health-letters-scientists-health-risk-5g/
6. A link to 5G & Small Cells Fact Sheet from EHT
    a. https://ehtrust.org/resources-to-share/printable-resources/?mgi_11109=16111/us-factsheet-on-5g-and-small-cells
7. A link to 5G Your Health and the Environment Fact Sheet from EHT
    a. https://ehtrust.org/resources-to-share/printable-resources/?mgi_1363=25735/5g-your-health-the-environment-flyer

City managers, whom I consider my friends, this is my URGENT plea to you… Do not allow 5G in our community. It is dangerous. The information is out there if you investigate and dig.

Please understand that the information I am providing you in this letter only amounts to a single molecule on the tip of the iceberg of damning and damaging evidence of the adverse health risks of 5G wireless, not just to humans but to animals, plants, insects and even bacteria in our guts, the soil and beyond, that are absolutely necessary for life to exist.

Decisions to erect 5G towers has already caused great harm in other communities, and WILL cause unnecessary harm here in our city as well. A decision to erect 5G towers will illuminate our ignorance to the plethora of data that already exists. It will illuminate our sheep-like compliance to do as big brother tells us and in the end a decision to erect 5G towers will be considered a tragedy if not a crime against all who live in our community. Please don't make that mistake. For the sake of everyone, especially children whose brains are still developing until age 25.

I can guarantee you that years from now, the 5G situation will be a bigger boondoggle than the tobacco industry ever conceived of. When Fiber Optic is already an available option that causes NO harm, has unbeatable reliability and extremely high speed, we would be remiss not to take advantage of this option. In fact, opting for fiber-optic will increase the value of our community and improve eco-tourism causing little old Cle Elum to be looked upon as a leader in turning the tide against this deplorable technological nightmare.

Thank you again for allowing public comment, aka free speech. I sincerely hope the decision makers read and educate themselves from sources like I have provided that are outside the companies selling and pushing the 5G agenda.

Sincerely,

Sarah Peters
260 Pine Glen Drive
Cle Elum, WA 98922
(509)-607-3449
Slynn_peters@yahoo.com

The Illustrations:

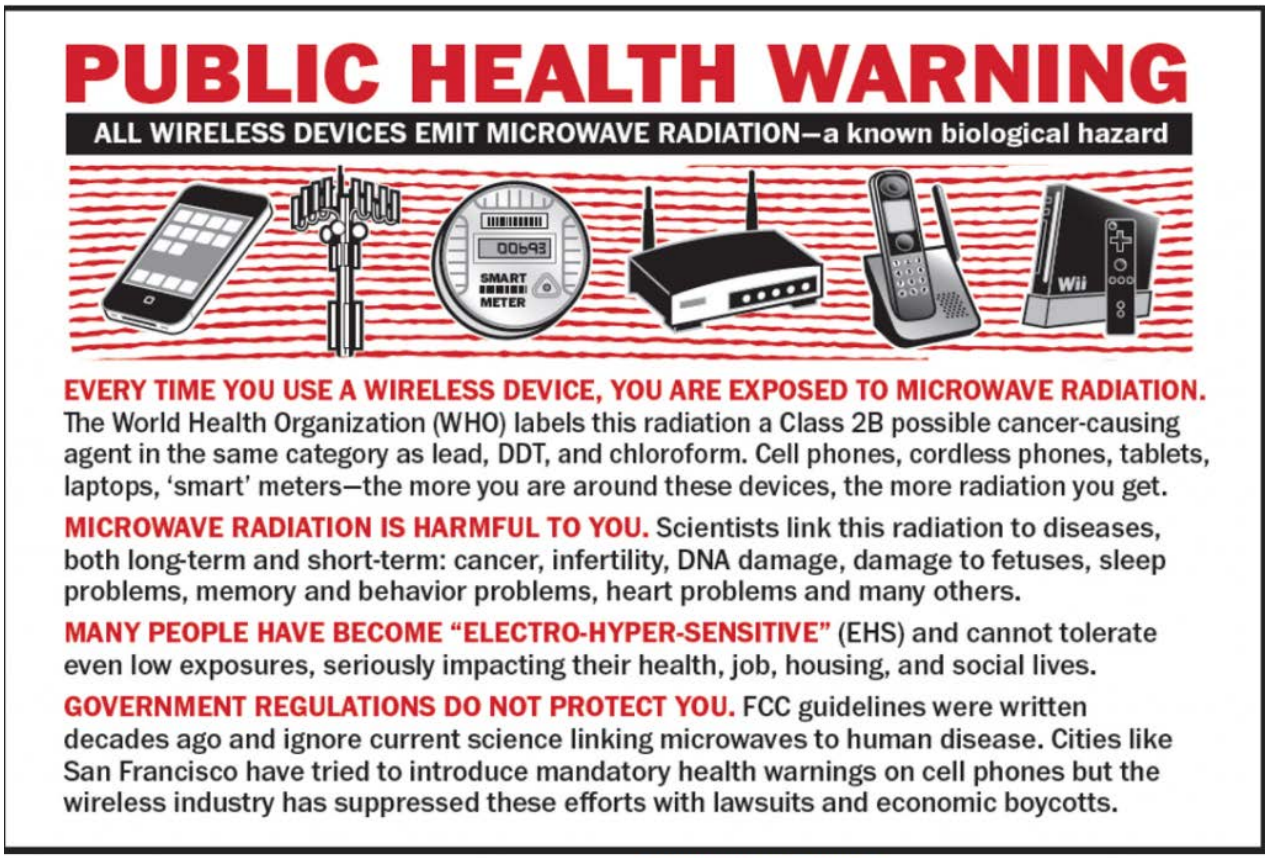
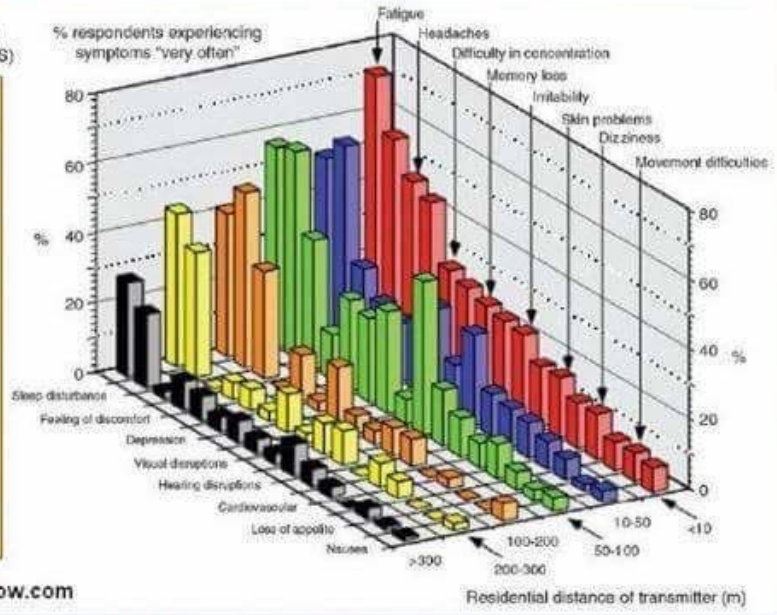


Photo Credit to Joshua Hart – www.stopsmartmeters.org

Neurobehavioral Symptoms near Cell Towers

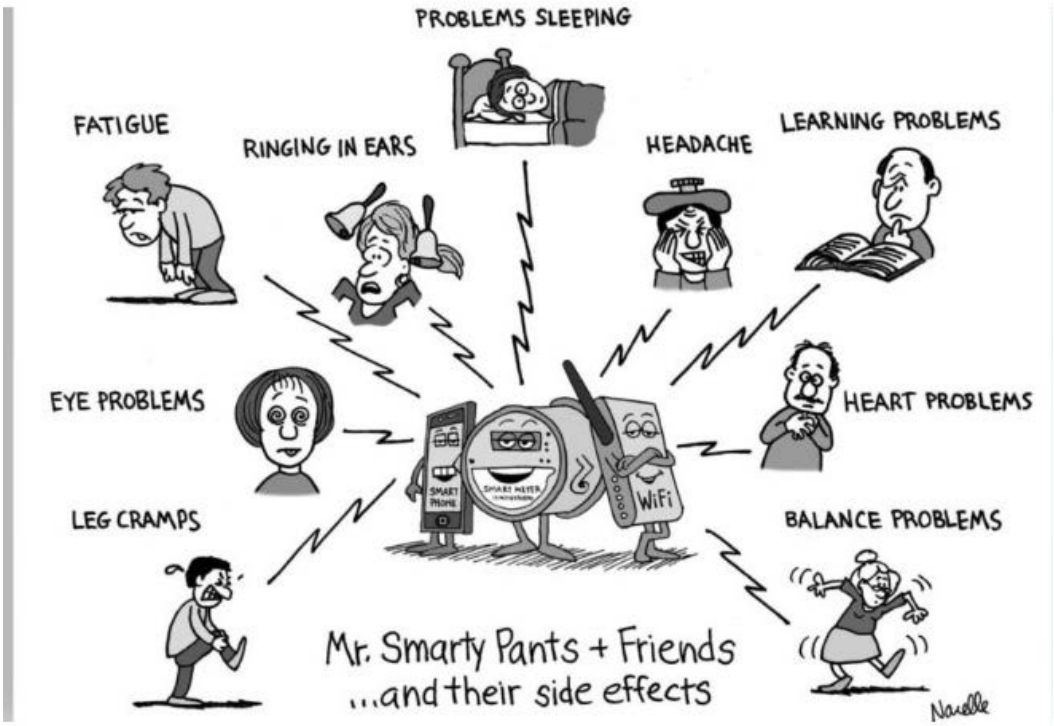
Rapid aging syndrome (RAS)
Electro-Hyper-Sensitivity (EHS)

1. Fatigue
2. Sleep disturbance
3. Headaches
4. Feeling of discomfort
5. Difficulty concentrating
6. Depression
7. Memory loss
8. Visual disruptions
9. Irritability
10. Hearing disruptions
11. Skin problems
12. Cardiovascular
13. Dizziness
14. Loss of appetite
15. Movement difficulties
16. Nausea



www.RecoverHealthNow.com

Work of Santini et al (France): Pathol Biol. 2002;50:S369–73.

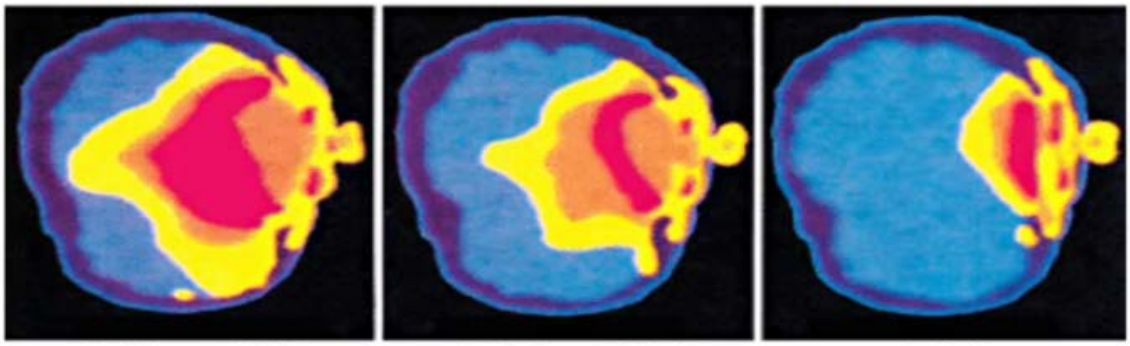


SMALLER

LIVING BIOLOGICAL STRUCTURES NOT ACCORDING TO PHE'S HEAD OF DOSIMETRY

Microwave Cellphone Effects

Absorption in the Brain According to Age



5 Year Old | 10 Year Old | Adult

Image courtesy of Dr. Om Gandhi, University of Utah, 1996, IEEE Publication

facebook: 5G Awareness Bromley and Surrounding Area

Please help spread awareness and protect your families against the dangers of 5G radiation

5G IS BEING ROLLED OUT THOUGHOUT THE UK

5g will increase exposure to RF-EMF, that has been proven to be harmful to humans and the environment

As of 16.6.19, 240 scientists and medical doctors from around the world have signed the appeal to halt the roll out of 5G

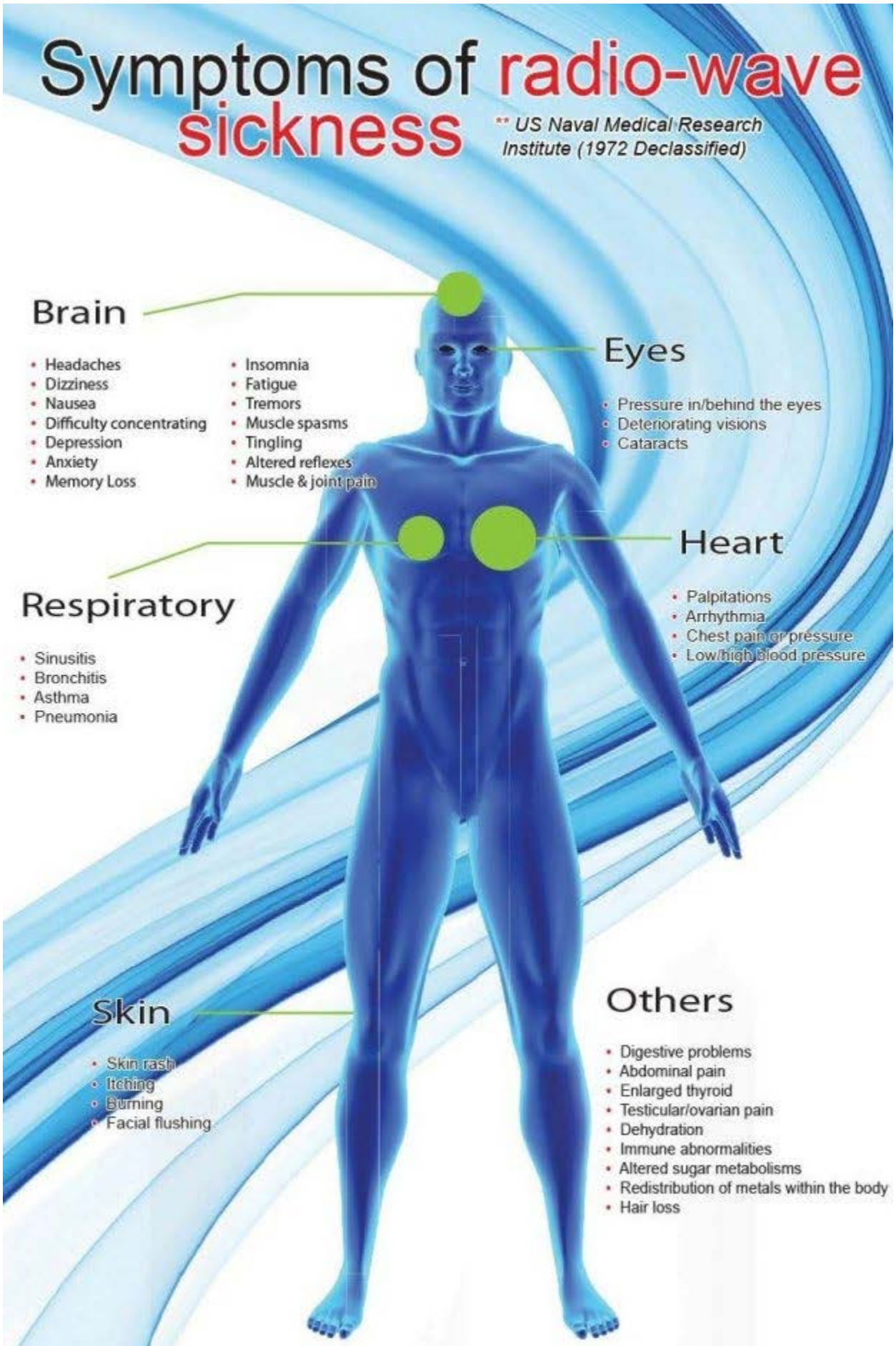
The International Agency for Research of Cancer concluded in 2011 that EMFs of 30-300kHz are CARCINORGENIC to humans
30-300kHz is a VERY LOW FREQUENCY
Low frequency = high energy
High energy may be harmful to humans causing damage to biological tissues

The EUROPA EMF GUIDLINES 2016 states "there is strong evidence that long term exposure of certain EMFs is a risk factor for diseases such as Certain CANCERS, ALZHEIMERS, male INFERTILITY, headaches, concentration difficulties, sleep problems, fatigue, depression and flu like symptoms."

Worldwide concerns: Switzerland halts roll out of 5G, Brussels halts 5 G development over radiation concerns, Dutch House of Representatives is concerned about health risks, Florence Italy will apply precautions, petition signed by over 50,000 Germans ask parliament to stop the roll out, Portland USA called for an urgent study of the health hazards associated with 5G, US senate hearing: "No studies show that 5G is safe", California, USA, halts 5G development over health concerns
visit WWW.G5APPEAL.EU for more information

Symptoms of radio-wave sickness

** US Naval Medical Research Institute (1972 Declassified)



Brain

- Headaches
- Dizziness
- Nausea
- Difficulty concentrating
- Depression
- Anxiety
- Memory Loss
- Insomnia
- Fatigue
- Tremors
- Muscle spasms
- Tingling
- Altered reflexes
- Muscle & joint pain

Eyes

- Pressure in/behind the eyes
- Deteriorating visions
- Cataracts

Heart

- Palpitations
- Arrhythmia
- Chest pain or pressure
- Low/high blood pressure

Respiratory

- Sinusitis
- Bronchitis
- Asthma
- Pneumonia

Skin

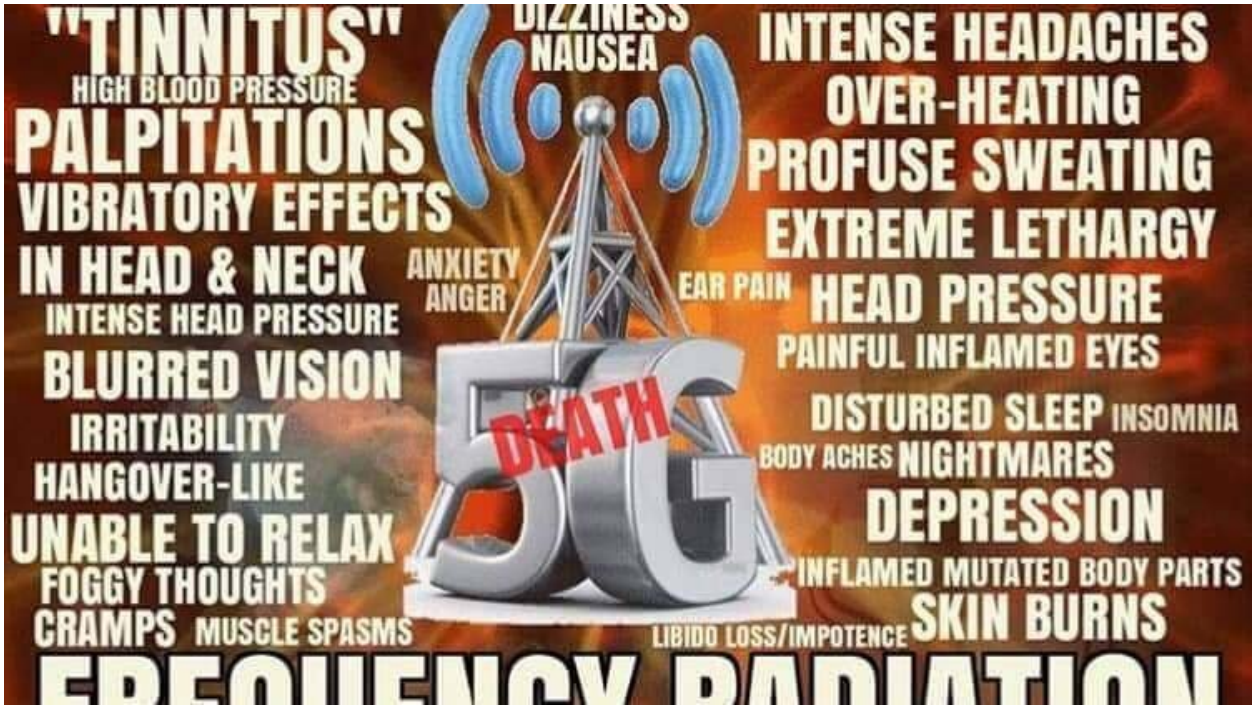
- Skin rash
- Itching
- Burning
- Facial flushing

Others

- Digestive problems
- Abdominal pain
- Enlarged thyroid
- Testicular/ovarian pain
- Dehydration
- Immune abnormalities
- Altered sugar metabolisms
- Redistribution of metals within the body
- Hair loss

"Our wireless business faces **personal injury** and **wrongful death lawsuits** relating to alleged **health effects** of wireless phones or **radio frequency transmitters.** We may be required to pay significant awards or settlements."

-Verizon SEC 10K filing,
fiscal year ended December 31st, 2018



IF YOU COULD SEE THE WAVES EMITTED FROM THESE TOWERS, YOU WOULD MOST CERTAINLY DO SOMETHING ABOUT IT.

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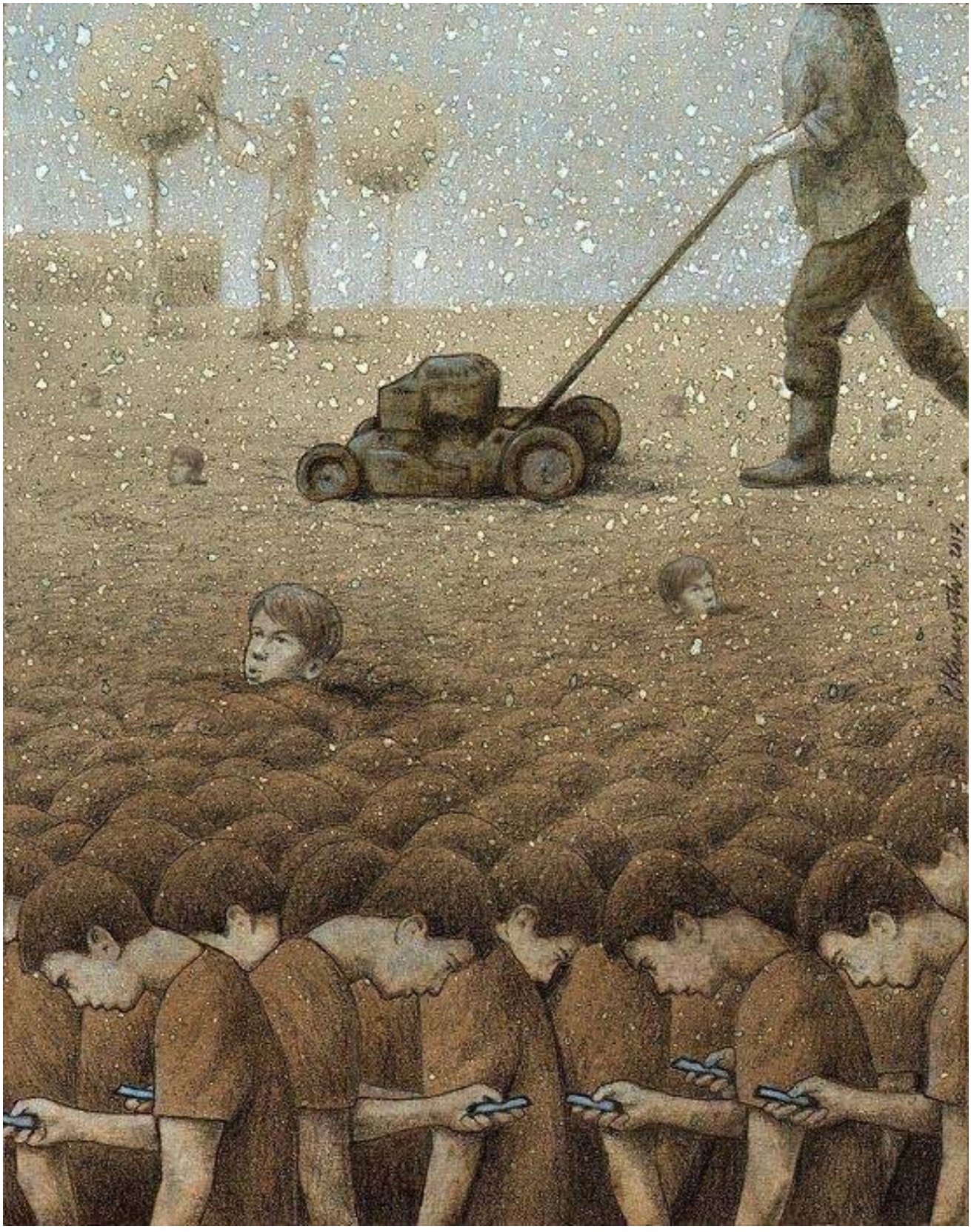

5G THE ENVIRONMENTAL IMPACT

24th September 2020 qdxiy **Comments** **0 Comment**

STOP5G international.org

Organisms – Continuous exposure to non-ionizing microwave radiation, has a detrimental impact on all living organisms, animals, birds, insects, plants, trees, soil based micro-organisms, as well as humans. Birds may abandon their nests, suffer plumage deterioration, locomotion problems, reduced survivorship or death. The declining bee population suffers colony collapse, and disrupted navigational skills. Bees are a crucial part of the earth's ecosystem and vital for agriculture, providing pollination for our plant-based food.

Ecosystems – Microbes central to all life on Earth, are also susceptible to damage from microwave radiation. Microbes are diverse in form and function. In soils, one teaspoon of topsoil contains around 1 billion individual microscopic cells and around 10,000 different species. These organisms have many tasks, and are central to crop fertility, purifying the environment from pollutants, regulating carbon storage stocks and production/consumption of many significant greenhouse gases, such as methane and nitrous oxides.

Energy Consumption – The expansion of the use of digital technology and the 5G wireless network, is the most significant contributor to increased energy consumption. During 2013-15 the expansion of the wireless cloud was equivalent to an additional 4.9 million cars on the road. Current mobile phone usage at 3%, consumes energy at a higher rate than aviation. This is projected to rise to 20% over a decade, but with 5G, energy consumption is predicted to escalate to upwards of 170% by 2026. By 2030 information technology will consume one fifth of all global electricity.

Carbon emissions – The use of digital technologies increases as the global population rises and new devices enter the market. 5G will create an increased demand for such devices, therefore raising the current carbon footprint. During production, digital technologies are at their least environmentally sound, generating around 68% of total carbon emissions, equating to 30kg of carbon dioxide. The total impact that digital devices have on carbon emissions throughout their life span, from manufacture to the energy required to power them and ultimately the end waste created. is hard to estimate.

Earth's Natural Electromagnetism – The alteration of the Earth's electromagnetic environment may be an even greater threat to life than the radiation from ground-based antennas. 5G satellites located in the Earth's magnetosphere, will exert a significant influence over the electrical properties of the atmosphere or the global electrical circuit in which we naturally inhabit. The biological rhythms of living species are controlled by the Earth's natural electromagnetic environment .The wellbeing of all living organisms depends on the stability of this environment, and the electrical properties of the Earth's atmosphere.

Space debris – enveloping our planet in low Earth orbit, lies within 1.250 miles of the Earth's surface. The debris ranges from microscopic particles to obsolete spacecraft, chunks of satellites, rocket bodies, momentum flywheels, nuclear reactor cores to residual fragments from a collision or debris breaking up. Space debris moves about 10 x faster than a bullet. Some will fall out of orbit and burn in the Earth's atmosphere, but a giant rocket fragment crashing into a satellite at 21,6000 mph would present untold problems on Earth. As the launching of 5G satellites continues, without an appropriate end of life plan, this situation can only worsen.

Atmosphere – Implementation of a 5G global wireless network includes the launching of rockets to deploy 5G satellites. The satellites will have a short lifespan, which would indicate an increase in deployments for the foreseeable future. Black carbon particulates emitted through these launches, could potentially cause significant changes in the global atmospheric circulation and distributions of ozone and temperatures. Solid state rocket exhaust contains metallic debris, chlorine and alumina which destroys the ozone. Google's Project Loon is launching helium balloons. The balloons will only have a 10-month lifespan. The amount of helium being used or its' impact is yet unknown.

Oxygen and water – Higher radio frequency signals especially in the mm-wave range, are effected by atmospheric attenuation. This attenuation in the atmosphere is caused mainly by signal absorption by gasses such as O2 and H2O. The effect of signal absorption under 10 GHz is fairly low and predictable, however above this, the attenuation increases significantly, especially at certain frequencies. This is dependent on the absorbing characteristics of gasses, with 60GHz being absorbed by the atmosphere with almost 98% attenuation by O2.

Noise – The global wireless use of radio-frequency threatens vital climate applications, long term weather and natural disaster predictions, along with the study of water vapour in relation to climate change. Transmissions 24/7 from mobile-phone networks degrade the quality of the Earth Observations from space. Certain 5G radiofrequency signals, are close to those used by satellites to gather crucial weather and climate data.

A noise buffer, may be required between the 5G transmissions and the water-vapour signal to minimise interference. Electromagnetic noise interference disrupts the navigation process of birds, bees and other insects.

Light pollution – 'Brightness' from SpaceX Starlite satellite constellations will be visible with the naked eye, and will destroy the natural aspect of the night sky. It will also have a disastrous effect on astronomy. The ability to search for potentially hazardous asteroids and comets, the most dangerous objects in the entire Universe to our species survival, will be threatened. The specific identification and measurement of transient and variable events, such as supernovae, flares, and variable stars, may also be lost.

Data – harvested by 5G infrastructure is likely to result in an increase in data traffic of up to a thousand times. The data will require massive computers to allow it to be stored and maintained. These computers will be housed in large data storage centers.

Economic incentives – mean that telecommunication companies will pursue their strategies for increased marketing and production of technology in spite of any known environmental impact. . By way of the experimental nature of 5G, we cannot foresee the full impact that the new 5G technology is going to have on the environment.

Waste – The many component parts used in technology associated with 5G network creates waste and scours important resources, with detrimental consequences for the environment. Precious metals and minerals used in the production of smart-phones or the small cells needed for 5G, are not a renewable resource. These metals often cannot be recycled and so the technologies cannot be recycled, thus creating tons of waste which ends up in landfills or other disposal systems

Devastation – The Congo rich in minerals, is mined for columbite-tantalite or coltan for use in the manufacture of electronic devices. The mining has a devastating impact on the incredible biodiversity of the region, which is the habitat of the Grauer's Gorillas. The forests are decimated by the mines and wildlife is killed or traded. Grauer's Gorillas are one of the 25 mostendangered primates in the world. Scientists fear they may very soon be extinct.

References

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The 20 things you need to know about 5G:

5G coverage requires "small cell" antennas to be placed in neighborhoods everywhere.

Millions of small cells must be built into people's front yards.

The radiation from 5G small cells is not minor, and will increase EMF radiation near homes, causing aesthetic deterioration of the environment in addition to health risks.

5G will not replace current wireless technology but add to it, increasing exposure exponentially.

Community authority is being overruled at every level of government in the name of boosting cellphone coverage and internet speeds.

Cellphone companies have confirmed that 5G small cells will work at a distance of 3,000 feet and do not need to be placed every 100 feet, necessitating them being placed near homes.

Scientists worldwide are calling for a halt to the rollout of 5G.

Cumulative daily radiation exposure is associated with serious health effects, including cancer,[40,41] altered brain development in children and reproductive damage in men.

Indeed, thousands of studies showing biological effects from low-intensity EMF, including over 1,800 referenced in the report's conclusion, were summarized in the BioInitiative Report[42] (2007 and 2012), demonstrating immune system effects, neurological effects, cognitive effects and much more. Another important study,[43] funded by the U.S. government, was published in the Journal of the American Medical Association in 2011.

Using a positron emission tomography or PET scan capable of detecting alterations in glucose, the researchers determined that cellphone radiation triggers your brain cells to metabolize glucose at an increased rate.

Glucose metabolism equates to cell activation, so the findings indicate that radiation from your cellphone has a well-defined measureable influence on your brain. Essentially, each time you put a cellphone up to your ear, you're artificially activating your brain cells.

Multiple papers have concluded wireless radiation is a human carcinogen; the International Agency for Research on Cancer classified cellphones as a Group 2B "possible carcinogen" in 2011,[44] and two recent studies (one by the U.S. National Toxicology Program (NTP)[45] and one by the Ramazzini Institute in Italy[46]) confirm its carcinogenic potential.

The NTP study found heart tumors (malignant schwannomas) in male rats, "similar to acoustic neuromas, a benign tumor in people involving the nerve that connects the ear to the brain, which some studies have linked to cellphone use."

According to experts, 5G small cell wireless streaming bills do not make financial sense.

Antennas near homes also decrease property values.

Microwave antennas in front yards pose several worker and public safety hazards.

Wireless companies warn investors of risks, but do not inform people living near cellphone towers.

Antennas near homes will cause a deterioration of sleep for the occupants, resulting in decreased performance and health.

Cellphone radiation has been shown to have an adverse impact on birds, bees, trees and plants.

Many U.S. cities and entire countries are voting to halt 5G.

The Federal Communications Commission does not monitor radiation exposures from cell installations and many cell towers already violate radiation limits.

The International Association of Firefighters officially oppose cell towers on fire stations, and have done so since 2004, after research showed firefighters with antennas on their stations suffered neurological damage, including memory problems, intermittent confusion and feelings of weakness.[47]

The American Academy of Pediatrics and many other medical organizations are calling for federal action to protect children from EMF exposures, citing research showing that living near mobile phone base stations is associated with an increased risk for headaches, memory problems, dizziness, depression and sleep disturbances.

Research[48] by Martin Pall, Ph.D., published in 2016 detail how, when VGCCs are activated in the brain, they release neurotransmitters and neuroendocrine hormones. Hence, consequences of chronic EMF exposure to the brain also include anxiety, depression, autism and Alzheimer's.

Preliminary results from the largest long-term study[49,50,51] of brain development and youth health in the U.S., the Adolescent Brain Cognitive Development (ABCD) Study,[52] also reveals the brains of the most prolific users of electronic devices look different compared to those who use smartphones, tablets and video games less frequently.

Children who use electronic devices for seven hours or more each day have premature thinning of the brain cortex, the outer brain layer that processes information from the five physical senses (taste, touch, sight, smell and sound). As little as two hours of screen time per day may impact cognition, resulting in lower scores on thinking and language tests.

Fiber optic connections are the solution and the safe alternative to boost internet speed and reliability.

Health Effects of EMF Exposure in General:

Even without the addition of 5G, most people are already living in a proverbial sea of microwave radiation, and there's ample evidence suggesting this unnatural level of exposure is harming our health. For example, research has shown EMFs from

cellphones, laptops, tablets, Wi-Fi, smart meters, baby monitors and other wireless devices:[57]

Create excess oxidative stress — EMFs activate voltage gated calcium channels located in the outer membrane of your cells.[58,59,60,61,62] Once activated, the VGCCs allow an abnormal influx of calcium ions into the cell. The excess calcium triggers a chemical cascade that results in the creation of peroxynitrite, extremely potent oxidant stressors believed to be a root cause for many of today's chronic diseases.

Inside your body, peroxynitrite modifies tyrosine molecules in proteins to create a new substance, nitrotyrosine and nitration of structural protein.[63] Changes from nitration are visible in human biopsy of atherosclerosis, myocardial ischemia, inflammatory bowel disease, amyotrophic lateral sclerosis and septic lung disease.[64] Over time, the cellular and mitochondrial damage being generated can set the stage and contribute to any number of health problems, including cancer.

Open the blood-brain barrier, allowing toxins to enter your brain.

Fragment DNA — Studies have shown EMFs cause DNA fragmentation. Significant oxidative stress from peroxynitrites may also result in single-strand breaks of DNA.[65]

Damage mitochondria, and impair proton flow and ATP production — The enzyme ATP synthase — which passes currents of protons through a water channel, similar to current passing through a wire — generates energy in the form ATP from ADP, using this flow of protons.

Magnetic fields can change the transparency of the water channel to protons, thereby reducing the current. As a result, you get less ATP, which can have system wide consequences, from promoting chronic disease and infertility to lowering intelligence.

Alter cellular function due to excessive charge — In a previous interview, Alasdair Philips, founder of the Powerwatch,[66] explained how EMF exposure alters cellular function by way of excessive charges. Essentially, the cell functions as a gel, held together by electric charge. When the charge becomes excessive due to a massive influx of electrons, the function of the cell is disrupted.

Raise the risk for abnormal cell growth and cancer, including leukemia and cancer of the brain, acoustic nerve, salivary gland, eyes, testes, thyroid and breast — As early as 2011, the evidence was strong enough for the International Agency for Research on Cancer, the cancer research arm of the World Health Organization, to declare cellphones a Group 2B "possible carcinogen."[67]

Since then, a number of studies have found support for EMF having carcinogenic potential, including two recent studies by the National Toxicology Program (NTP, an

interagency research program under the auspices of the National Institute of Environmental Health Sciences),[68,69,70] which found clear evidence for heart tumors in male rats exposed to 2G and 3G cellphone radiation.

Corroborating evidence has been published by the Ramazzini Institute. The Ramazzini study[71] reproduced and clearly supports the NTP's findings, showing a clear link between cellphone radiation and Schwann cell tumors (schwannomas)[72,73,74] — but at a much lower power level than that used by NTP.

Has neurological effects — Studies dating back to the 1950s and '60s show the nervous system is the organ most sensitive to EMFs. Some of these studies show massive changes in the structure of neurons, including cell death and synaptic dysfunction. Consequences of chronic EMF exposure to the brain include anxiety, depression, autism and Alzheimer's disease, which Martin Pall, Ph.D., details in a 2016 paper.[75]

Contributes to reproductive problems in both sexes — For example, prenatal exposure to magnetic fields can nearly triple a pregnant woman's risk of miscarriage.[76] Several other studies have come to similar conclusions.[77,78,79,80,81] In men, studies show EMF radiation from cellphones and laptops reduces sperm motility and viability,[82,83] and increases sperm DNA fragmentation.[84]

Alters your microbiome, turning what might otherwise be beneficial microbes pathogenic. This too can have far-ranging health effects, since we now know your microbiome plays an important role in health.

Lucy Temple

From: Sarah Peters <slynn_peters@yahoo.com>
Sent: Wednesday, January 20, 2021 1:53 PM
To: Lucy Temple
Subject: 5G Tower Comment
Attachments: City of Cle Elum 5G Letter.docx

Dear City of Cle Elum,

Thank you for the opportunity to provide comment on the 5G cell tower. Attached is my letter and evidence opposing the tower.

Sincerely,

Sarah Peters

To: City of Cle Elum
RE: 5G Comments
Date: Wednesday 1/20/2021

Dear City of Cle Elum,

Thank you for the opportunity to provide comment on the 5G cell tower(s) that some wish to be installed in our city. I really appreciate the opportunity; God Bless America and our freedom of speech.

I vehemently oppose this reckless and life-damaging technology to be installed anywhere within and outside the city limits of Cle Elum. In fact, I oppose the existence of 5G towers anywhere in Kittitas County and really, the whole world.

There are **myriad** of validated reasons for such opposition that it is quite difficult to encapsulate in one letter, in a manner that does not overwhelm you, the reader.

Electro Magnetic Fields (EMF's) cause a litany of adverse health effects. Peer reviewed research studies on Radiofrequency Radiation have found: CANCER, Headaches, Ringing in ears, Memory problems, Dizziness, Depression, Sleep problems, Sperm damage, Altered brain development, Hormone changes and more.

1. I will first provide you with some illustrations from 5G exposed website because pictures often say a thousand words.
2. An environmental Impact statement created by 5GExposed.com
3. The 20 Facts you need to know about 5G from Dr. Mercola's website.
4. Health Effects of EMF Exposure in General from Dr. Mercola's website.
5. A link to Letters from Scientists on the health risk of 5G from the Environmental Health Trust website Here:
    a. https://ehtrust.org/small-cells-mini-cell-towers-health-letters-scientists-health-risk-5g/
6. A link to 5G & Small Cells Fact Sheet from EHT
    a. https://ehtrust.org/resources-to-share/printable-resources/?mgi_11109=16111/us-factsheet-on-5g-and-small-cells
7. A link to 5G Your Health and the Environment Fact Sheet from EHT
    a. https://ehtrust.org/resources-to-share/printable-resources/?mgi_1363=25735/5g-your-health-the-environment-flyer

City managers, whom I consider my friends, this is my URGENT plea to you… Do not allow 5G in our community. It is dangerous. The information is out there if you investigate and dig.

Please understand that the information I am providing you in this letter only amounts to a single molecule on the tip of the iceberg of damning and damaging evidence of the adverse health risks of 5G wireless, not just to humans but to animals, plants, insects and even bacteria in our guts, the soil and beyond, that are absolutely necessary for life to exist.

Decisions to erect 5G towers has already caused great harm in other communities, and WILL cause unnecessary harm here in our city as well. A decision to erect 5G towers will illuminate our ignorance to the plethora of data that already exists. It will illuminate our sheep-like compliance to do as big brother tells us and in the end a decision to erect 5G towers will be considered a tragedy if not a crime against all who live in our community. Please don't make that mistake. For the sake of everyone, especially children whose brains are still developing until age 25.

I can guarantee you that years from now, the 5G situation will be a bigger boondoggle than the tobacco industry ever conceived of. When Fiber Optic is already an available option that causes NO harm, has unbeatable reliability and extremely high speed, we would be remiss not to take advantage of this option. In fact, opting for fiber-optic will increase the value of our community and improve eco-tourism causing little old Cle Elum to be looked upon as a leader in turning the tide against this deplorable technological nightmare.

Thank you again for allowing public comment, aka free speech. I sincerely hope the decision makers read and educate themselves from sources like I have provided that are outside the companies selling and pushing the 5G agenda.

Sincerely,

Sarah Peters
260 Pine Glen Drive
Cle Elum, WA 98922
(509)-607-3449
Slynn_peters@yahoo.com

The Illustrations:

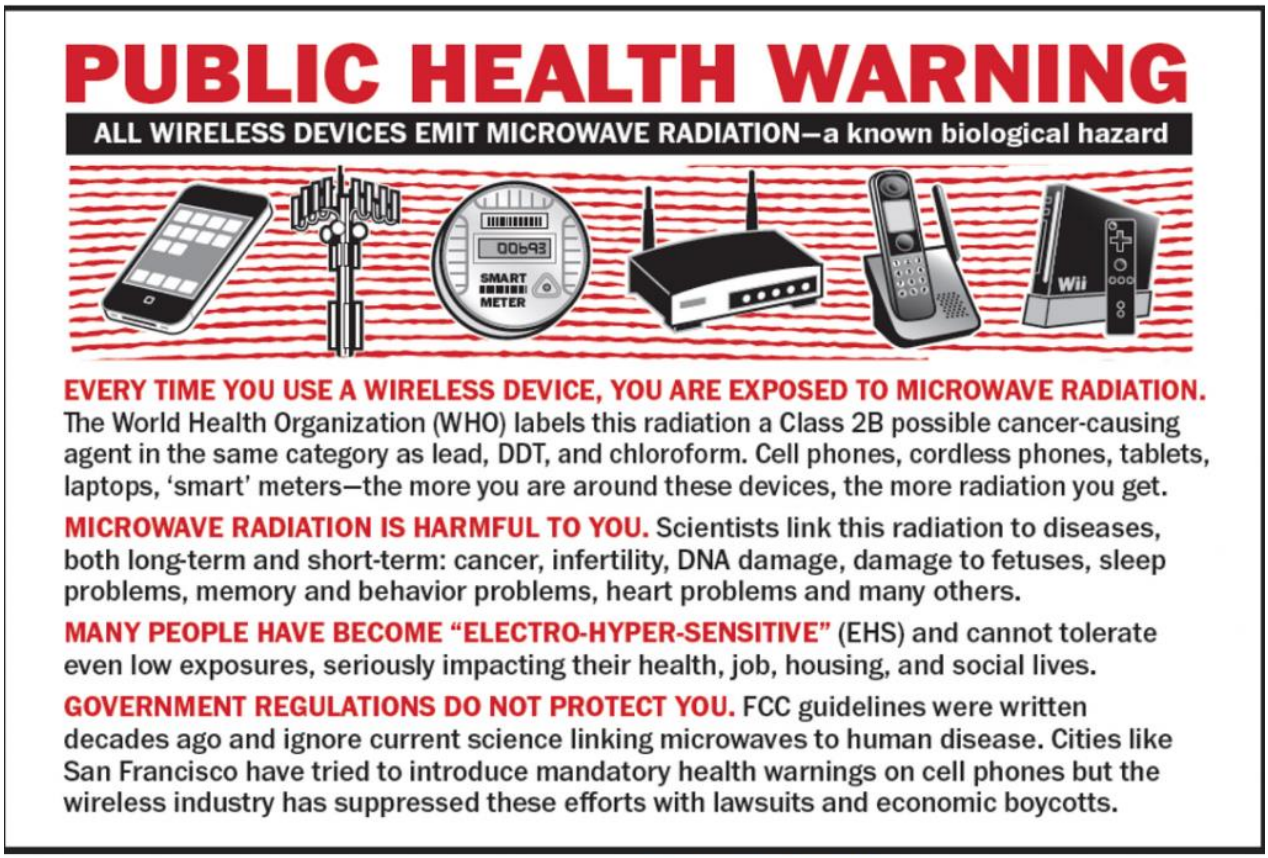
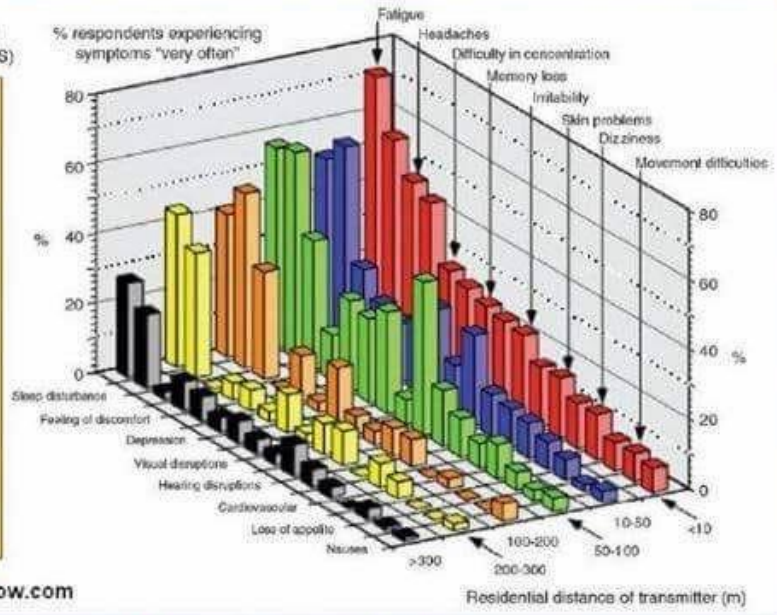


Photo Credit to Joshua Hart – www.stopsmartmeters.org

Neurobehavioral Symptoms near Cell Towers

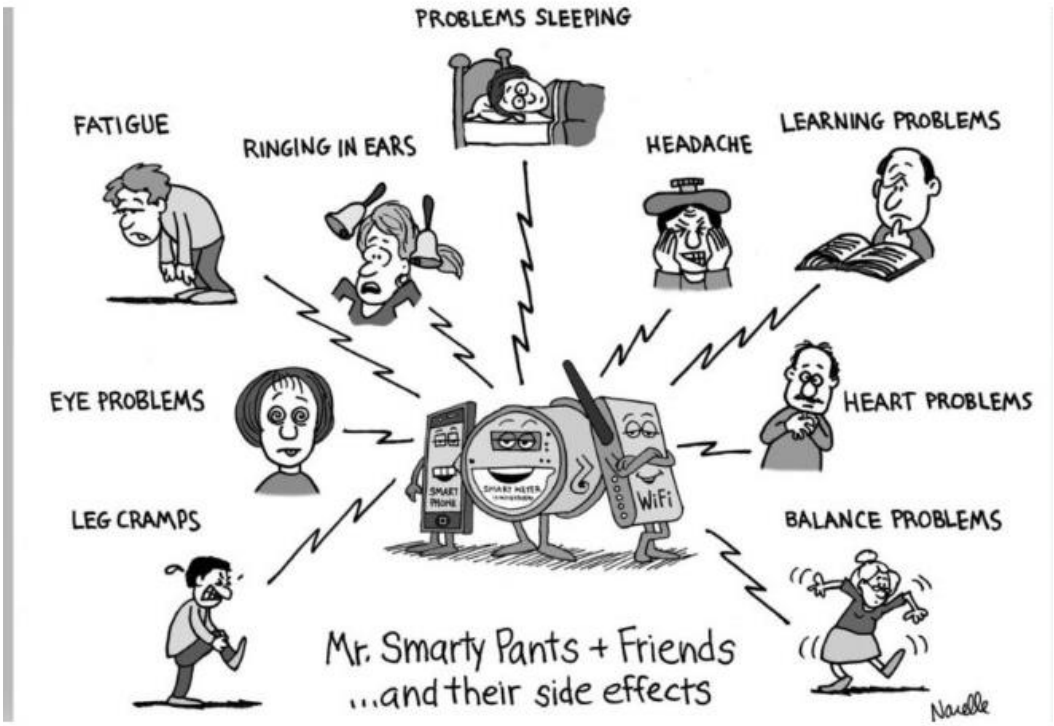
Rapid aging syndrome (RAS)
Electro-Hyper-Sensitivity (EHS)

1. Fatigue
2. Sleep disturbance
3. Headaches
4. Feeling of discomfort
5. Difficulty concentrating
6. Depression
7. Memory loss
8. Visual disruptions
9. Irritability
10. Hearing disruptions
11. Skin problems
12. Cardiovascular
13. Dizziness
14. Loss of appetite
15. Movement difficulties
16. Nausea



www.RecoverHealthNow.com

Work of Santini et al (France): Pathol Biol. 2002;50:S369–73.

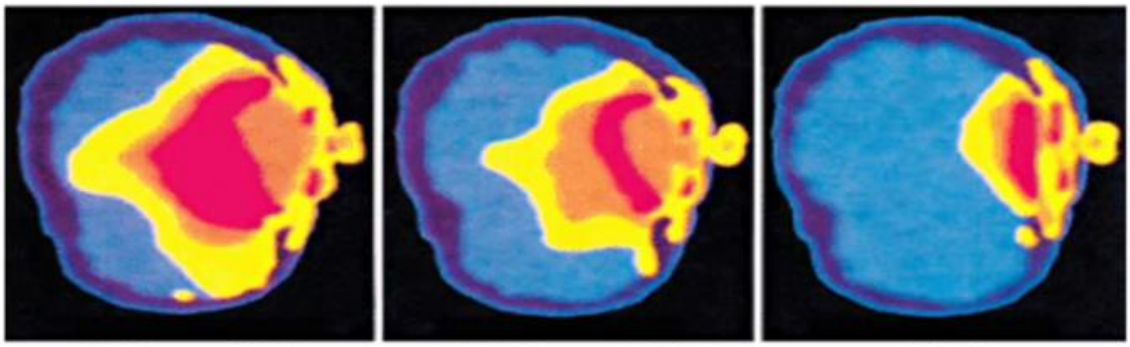


SMALLER

LIVING BIOLOGICAL STRUCTURES NOT ACCORDING TO PHE'S HEAD OF DOSIMETRY

Microwave Cellphone Effects

Absorption in the Brain According to Age



5 Year Old | 10 Year Old | Adult

Image courtesy of Dr. Om Gandhi, University of Utah, 1996, IEEE Publication

facebook: 5G Awareness Bromley and Surrounding Area

Please help spread awareness and protect your families against the dangers of 5G radiation

5G IS BEING ROLLED OUT THOUGHOUT THE UK

5g will increase exposure to RF-EMF, that has been proven to be harmful to humans and the environment

As of 16.6.19, 240 scientists and medical doctors from around the world have signed the appeal to halt the roll out of 5G

The International Agency for Research of Cancer concluded in 2011 that EMFs of 30-300kHz are CARCINORGENIC to humans
30-300kHz is a VERY LOW FREQUENCY
Low frequency = high energy
High energy may be harmful to humans causing damage to biological tissues

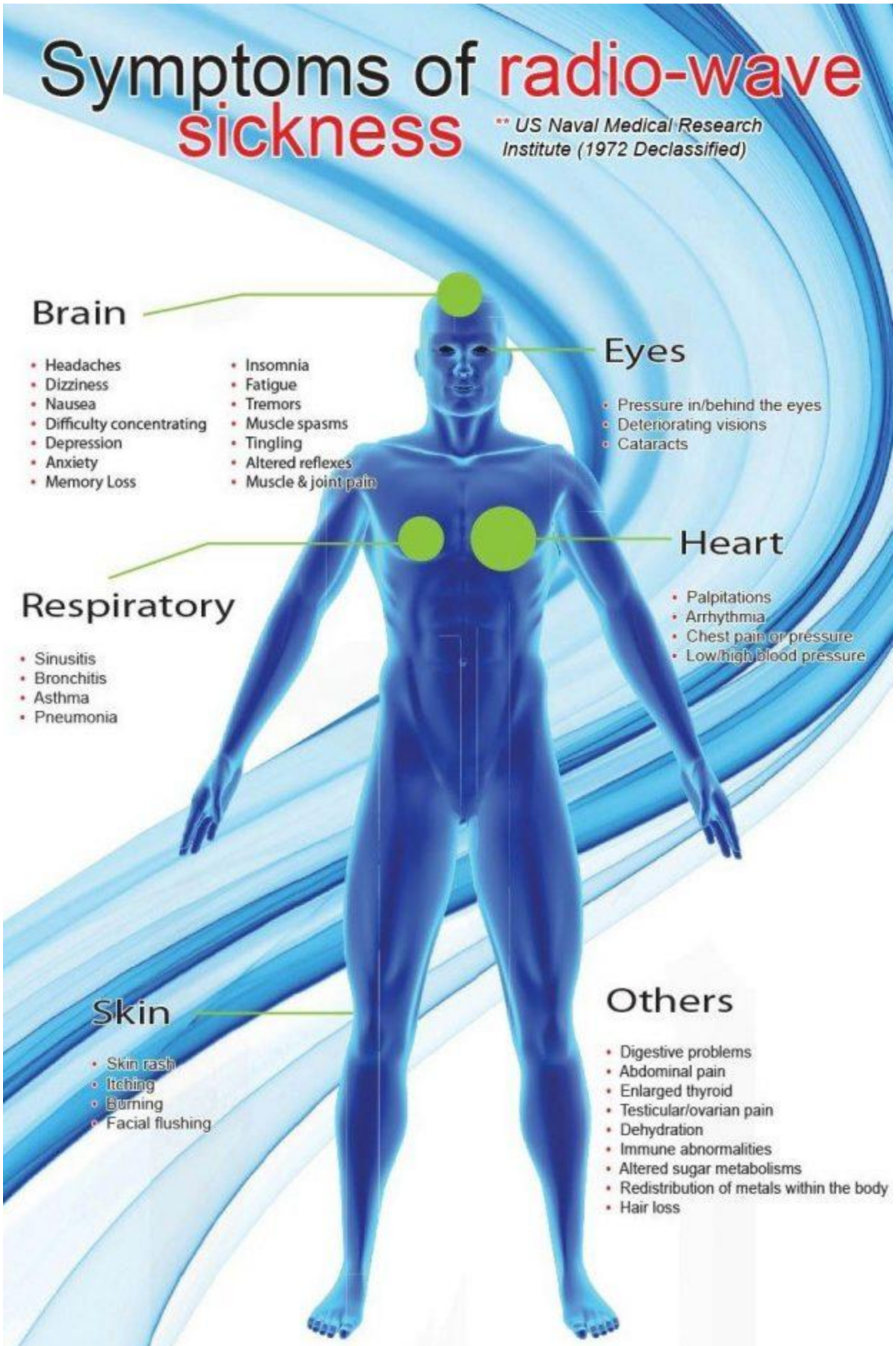
The EUROPA EMF GUIDLINES 2016 states "there is strong evidence that long term exposure of certain EMFs is a risk factor for diseases such as Certain CANCERS, ALZHEIMERS, male INFERTILITY, headaches, concentration difficulties, sleep problems, fatigue, depression and flu like symptoms."

Worldwide concerns: Switzerland halts roll out of 5G, Brussels halts 5 G development over radiation concerns, Dutch House of Representatives is concerned about health risks, Florence Italy will apply precautions, petition signed by over 50,000 Germans ask parliament to stop the roll out, Portland USA called for an urgent study of the health hazards associated with 5G, US senate hearing: "No studies show that 5G is safe", California, USA, halts 5G development over health concerns

visit WWW.G5APPEAL.EU for more information

Symptoms of radio-wave sickness

** US Naval Medical Research Institute (1972 Declassified)



Brain

- Headaches
- Dizziness
- Nausea
- Difficulty concentrating
- Depression
- Anxiety
- Memory Loss
- Insomnia
- Fatigue
- Tremors
- Muscle spasms
- Tingling
- Altered reflexes
- Muscle & joint pain

Eyes

- Pressure in/behind the eyes
- Deteriorating visions
- Cataracts

Heart

- Palpitations
- Arrhythmia
- Chest pain or pressure
- Low/high blood pressure

Respiratory

- Sinusitis
- Bronchitis
- Asthma
- Pneumonia

Skin

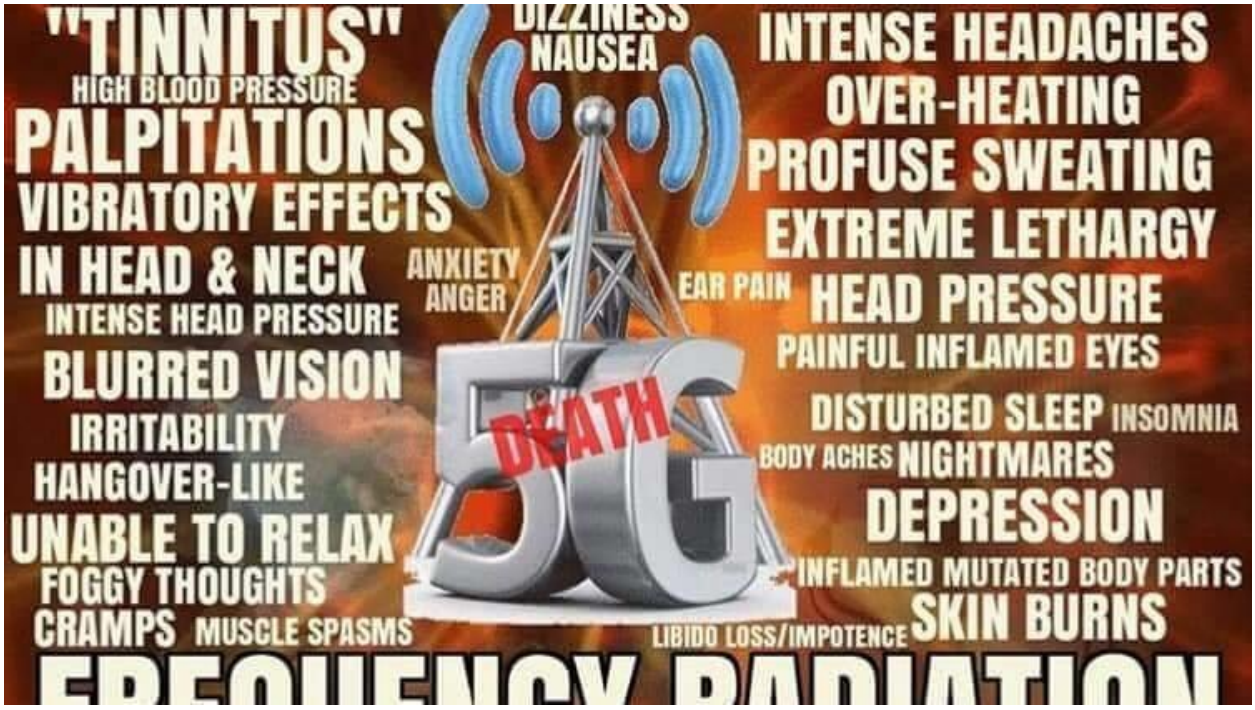
- Skin rash
- Itching
- Burning
- Facial flushing

Others

- Digestive problems
- Abdominal pain
- Enlarged thyroid
- Testicular/ovarian pain
- Dehydration
- Immune abnormalities
- Altered sugar metabolisms
- Redistribution of metals within the body
- Hair loss

"Our wireless business faces **personal injury** and **wrongful death lawsuits** relating to alleged **health effects** of wireless phones or **radio frequency transmitters.** We may be required to pay significant awards or settlements."

-Verizon SEC 10K filing,
fiscal year ended December 31st, 2018



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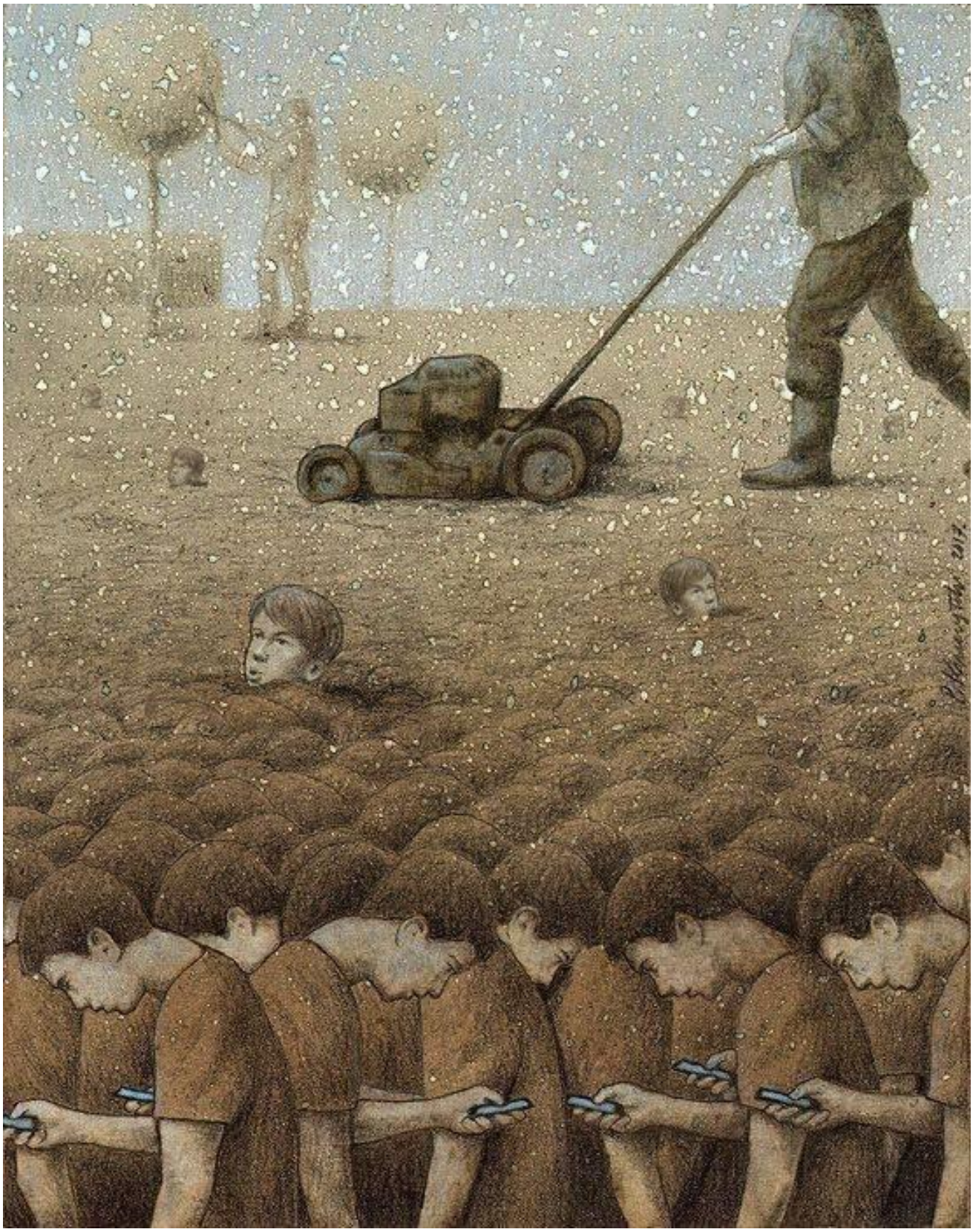

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24th September 2020 qdxiy **Comments** 0 Comment

STOP5G international.org

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Carbon emissions – The use of digital technologies increases as the global population rises and new devices enter the market. 5G will create an increased demand for such devices, therefore raising the current carbon footprint. During production, digital technologies are at their least environmentally sound, generating around 68% of total carbon emissions, equating to 30kg of carbon dioxide. The total impact that digital devices have on carbon emissions throughout their life span, from manufacture to the energy required to power them and ultimately the end waste created. is hard to estimate.

Earth's Natural Electromagnetism – The alteration of the Earth's electromagnetic environment may be an even greater threat to life than the radiation from ground-based antennas. 5G satellites located in the Earth's magnetosphere, will exert a significant influence over the electrical properties of the atmosphere or the global electrical circuit in which we naturally inhabit. The biological rhythms of living species are controlled by the Earth's natural electromagnetic environment .The wellbeing of all living organisms depends on the stability of this environment, and the electrical properties of the Earth's atmosphere.

Space debris – enveloping our planet in low Earth orbit, lies within 1.250 miles of the Earth's surface. The debris ranges from microscopic particles to obsolete spacecraft, chunks of satellites, rocket bodies, momentum flywheels, nuclear reactor cores to residual fragments from a collision or debris breaking up. Space debris moves about 10 x faster than a bullet. Some will fall out of orbit and burn in the Earth's atmosphere, but a giant rocket fragment crashing into a satellite at 21,6000 mph would present untold problems on Earth. As the launching of 5G satellites continues, without an appropriate end of life plan, this situation can only worsen.

Atmosphere – Implementation of a 5G global wireless network includes the launching of rockets to deploy 5G satellites. The satellites will have a short lifespan, which would indicate an increase in deployments for the foreseeable future. Black carbon particulates emitted through these launches, could potentially cause significant changes in the global atmospheric circulation and distributions of ozone and temperatures. Solid state rocket exhaust contains metallic debris, chlorine and alumina which destroys the ozone. Google's Project Loon is launching helium balloons. The balloons will only have a 10-month lifespan. The amount of helium being used or its' impact is yet unknown.

Oxygen and water – Higher radio frequency signals especially in the mm-wave range, are effected by atmospheric attenuation. This attenuation in the atmosphere is caused mainly by signal absorption by gasses such as O2 and H2O. The effect of signal absorption under 10 GHz is fairly low and predictable, however above this, the attenuation increases significantly, especially at certain frequencies. This is dependent on the absorbing characteristics of gasses, with 60GHz being absorbed by the atmosphere with almost 98% attenuation by O2.

Noise – The global wireless use of radio-frequency threatens vital climate applications, long term weather and natural disaster predictions, along with the study of water vapour in relation to climate change. Transmissions 24/7 from mobile-phone networks degrade the quality of the Earth Observations from space. Certain 5G radiofrequency signals, are close to those used by satellites to gather crucial weather and climate data.

A noise buffer, may be required between the 5G transmissions and the water-vapour signal to minimise interference. Electromagnetic noise interference disrupts the navigation process of birds, bees and other insects.

Light pollution – 'Brightness' from SpaceX Starlite satellite constellations will be visible with the naked eye, and will destroy the natural aspect of the night sky. It will also have a disastrous effect on astronomy. The ability to search for potentially hazardous asteroids and comets, the most dangerous objects in the entire Universe to our species survival, will be threatened. The specific identification and measurement of transient and variable events, such as supernovae, flares, and variable stars, may also be lost.

Data – harvested by 5G infrastructure is likely to result in an increase in data traffic of up to a thousand times. The data will require massive computers to allow it to be stored and maintained. These computers will be housed in large data storage centers.

Economic incentives – mean that telecommunication companies will pursue their strategies for increased marketing and production of technology in spite of any known environmental impact. . By way of the experimental nature of 5G, we cannot foresee the full impact that the new 5G technology is going to have on the environment.

Waste – The many component parts used in technology associated with 5G network creates waste and scours important resources, with detrimental consequences for the environment. Precious metals and minerals used in the production of smart-phones or the small cells needed for 5G, are not a renewable resource. These metals often cannot be recycled and so the technologies cannot be recycled, thus creating tons of waste which ends up in landfills or other disposal systems

Devastation – The Congo rich in minerals, is mined for columbite-tantalite or coltan for use in the manufacture of electronic devices. The mining has a devastating impact on the incredible biodiversity of the region, which is the habitat of the Grauer's Gorillas. The forests are decimated by the mines and wildlife is killed or traded. Grauer's Gorillas are one of the 25 mostendangered primates in the world. Scientists fear they may very soon be extinct.

References

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https://gorillafund.org/congo-gorilla-species-now-officially-critically-endangered/

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The 20 things you need to know about 5G:

5G coverage requires "small cell" antennas to be placed in neighborhoods everywhere.

Millions of small cells must be built into people's front yards.

The radiation from 5G small cells is not minor, and will increase EMF radiation near homes, causing aesthetic deterioration of the environment in addition to health risks.

5G will not replace current wireless technology but add to it, increasing exposure exponentially.

Community authority is being overruled at every level of government in the name of boosting cellphone coverage and internet speeds.

Cellphone companies have confirmed that 5G small cells will work at a distance of 3,000 feet and do not need to be placed every 100 feet, necessitating them being placed near homes.

Scientists worldwide are calling for a halt to the rollout of 5G.

Cumulative daily radiation exposure is associated with serious health effects, including cancer,[40,41] altered brain development in children and reproductive damage in men.

Indeed, thousands of studies showing biological effects from low-intensity EMF, including over 1,800 referenced in the report's conclusion, were summarized in the BioInitiative Report[42] (2007 and 2012), demonstrating immune system effects, neurological effects, cognitive effects and much more. Another important study,[43] funded by the U.S. government, was published in the Journal of the American Medical Association in 2011.

Using a positron emission tomography or PET scan capable of detecting alterations in glucose, the researchers determined that cellphone radiation triggers your brain cells to metabolize glucose at an increased rate.

Glucose metabolism equates to cell activation, so the findings indicate that radiation from your cellphone has a well-defined measureable influence on your brain. Essentially, each time you put a cellphone up to your ear, you're artificially activating your brain cells.

Multiple papers have concluded wireless radiation is a human carcinogen; the International Agency for Research on Cancer classified cellphones as a Group 2B "possible carcinogen" in 2011,[44] and two recent studies (one by the U.S. National Toxicology Program (NTP)[45] and one by the Ramazzini Institute in Italy[46]) confirm its carcinogenic potential.

The NTP study found heart tumors (malignant schwannomas) in male rats, "similar to acoustic neuromas, a benign tumor in people involving the nerve that connects the ear to the brain, which some studies have linked to cellphone use."

According to experts, 5G small cell wireless streaming bills do not make financial sense.

Antennas near homes also decrease property values.

Microwave antennas in front yards pose several worker and public safety hazards.

Wireless companies warn investors of risks, but do not inform people living near cellphone towers.

Antennas near homes will cause a deterioration of sleep for the occupants, resulting in decreased performance and health.

Cellphone radiation has been shown to have an adverse impact on birds, bees, trees and plants.

Many U.S. cities and entire countries are voting to halt 5G.

The Federal Communications Commission does not monitor radiation exposures from cell installations and many cell towers already violate radiation limits.

The International Association of Firefighters officially oppose cell towers on fire stations, and have done so since 2004, after research showed firefighters with antennas on their stations suffered neurological damage, including memory problems, intermittent confusion and feelings of weakness.[47]

The American Academy of Pediatrics and many other medical organizations are calling for federal action to protect children from EMF exposures, citing research showing that living near mobile phone base stations is associated with an increased risk for headaches, memory problems, dizziness, depression and sleep disturbances.

Research[48] by Martin Pall, Ph.D., published in 2016 detail how, when VGCCs are activated in the brain, they release neurotransmitters and neuroendocrine hormones. Hence, consequences of chronic EMF exposure to the brain also include anxiety, depression, autism and Alzheimer's.

Preliminary results from the largest long-term study[49,50,51] of brain development and youth health in the U.S., the Adolescent Brain Cognitive Development (ABCD) Study,[52] also reveals the brains of the most prolific users of electronic devices look different compared to those who use smartphones, tablets and video games less frequently.

Children who use electronic devices for seven hours or more each day have premature thinning of the brain cortex, the outer brain layer that processes information from the five physical senses (taste, touch, sight, smell and sound). As little as two hours of screen time per day may impact cognition, resulting in lower scores on thinking and language tests.

Fiber optic connections are the solution and the safe alternative to boost internet speed and reliability.

Health Effects of EMF Exposure in General:

Even without the addition of 5G, most people are already living in a proverbial sea of microwave radiation, and there's ample evidence suggesting this unnatural level of exposure is harming our health. For example, research has shown EMFs from

cellphones, laptops, tablets, Wi-Fi, smart meters, baby monitors and other wireless devices:[57]

Create excess oxidative stress — EMFs activate voltage gated calcium channels located in the outer membrane of your cells.[58,59,60,61,62] Once activated, the VGCCs allow an abnormal influx of calcium ions into the cell. The excess calcium triggers a chemical cascade that results in the creation of peroxynitrite, extremely potent oxidant stressors believed to be a root cause for many of today's chronic diseases.

Inside your body, peroxynitrite modifies tyrosine molecules in proteins to create a new substance, nitrotyrosine and nitration of structural protein.[63] Changes from nitration are visible in human biopsy of atherosclerosis, myocardial ischemia, inflammatory bowel disease, amyotrophic lateral sclerosis and septic lung disease.[64] Over time, the cellular and mitochondrial damage being generated can set the stage and contribute to any number of health problems, including cancer.

Open the blood-brain barrier, allowing toxins to enter your brain.

Fragment DNA — Studies have shown EMFs cause DNA fragmentation. Significant oxidative stress from peroxynitrites may also result in single-strand breaks of DNA.[65]

Damage mitochondria, and impair proton flow and ATP production — The enzyme ATP synthase — which passes currents of protons through a water channel, similar to current passing through a wire — generates energy in the form ATP from ADP, using this flow of protons.

Magnetic fields can change the transparency of the water channel to protons, thereby reducing the current. As a result, you get less ATP, which can have system wide consequences, from promoting chronic disease and infertility to lowering intelligence.

Alter cellular function due to excessive charge — In a previous interview, Alasdair Philips, founder of the Powerwatch,[66] explained how EMF exposure alters cellular function by way of excessive charges. Essentially, the cell functions as a gel, held together by electric charge. When the charge becomes excessive due to a massive influx of electrons, the function of the cell is disrupted.

Raise the risk for abnormal cell growth and cancer, including leukemia and cancer of the brain, acoustic nerve, salivary gland, eyes, testes, thyroid and breast — As early as 2011, the evidence was strong enough for the International Agency for Research on Cancer, the cancer research arm of the World Health Organization, to declare cellphones a Group 2B "possible carcinogen."[67]

Since then, a number of studies have found support for EMF having carcinogenic potential, including two recent studies by the National Toxicology Program (NTP, an

interagency research program under the auspices of the National Institute of Environmental Health Sciences),[68,69,70] which found clear evidence for heart tumors in male rats exposed to 2G and 3G cellphone radiation.

Corroborating evidence has been published by the Ramazzini Institute. The Ramazzini study[71] reproduced and clearly supports the NTP's findings, showing a clear link between cellphone radiation and Schwann cell tumors (schwannomas)[72,73,74] — but at a much lower power level than that used by NTP.

Has neurological effects — Studies dating back to the 1950s and '60s show the nervous system is the organ most sensitive to EMFs. Some of these studies show massive changes in the structure of neurons, including cell death and synaptic dysfunction. Consequences of chronic EMF exposure to the brain include anxiety, depression, autism and Alzheimer's disease, which Martin Pall, Ph.D., details in a 2016 paper.[75]

Contributes to reproductive problems in both sexes — For example, prenatal exposure to magnetic fields can nearly triple a pregnant woman's risk of miscarriage.[76] Several other studies have come to similar conclusions.[77,78,79,80,81] In men, studies show EMF radiation from cellphones and laptops reduces sperm motility and viability,[82,83] and increases sperm DNA fragmentation.[84]

Alters your microbiome, turning what might otherwise be beneficial microbes pathogenic. This too can have far-ranging health effects, since we now know your microbiome plays an important role in health.

Lucy Temple

From: Sarah Peters <slynn_peters@yahoo.com>
Sent: Wednesday, January 20, 2021 3:12 PM
To: Lucy Temple
Subject: Fw: 5G Tower Comment - Additional pdf's
Attachments: Parents_SafeTech_Flyer_V5.pdf; EHT-5G-Flyer-8.5-x-11-1.pdf; 5G_What-You-Need-to-Know.pdf

Hi Lucy,

Here three pdf flyers to accompany my letter.

Thank you very much,

- Sarah Peters

----- Forwarded Message -----
From: Sarah Peters <slynn_peters@yahoo.com>
To: ltemple@cleelum.gov <ltemple@cleelum.gov>
Sent: Wednesday, January 20, 2021, 1:53:07 PM PST
Subject: 5G Tower Comment

Dear City of Cle Elum,

Thank you for the opportunity to provide comment on the 5G cell tower. Attached is my letter and evidence opposing the tower.

Sincerely,

Sarah Peters

ENVIRONMENTAL HEALTH TRUST

What You Need To Know About 5G Wireless and "Small" Cells

"We recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential hazards for human health and the environment have been fully investigated by scientists independent from industry...RF-EMF has been proven to be harmful for humans and the environment."

— 2017 5G Scientific Appeal (signed by more than 200 scientists and doctors from 35 countries)

Nationwide, communities are being told by wireless companies that it is necessary to build "small cell" wireless facilities in neighborhoods on streetlight and utility poles in order to offer 5G, a new technology that will connect the Internet of Things (IoT). At the local, state, and federal level, new legislation and new zoning aim to streamline the installation of these 5G "small cell" antennas in public rights-of-way.

The radiation from small cells is not small: Wireless antennas emit microwaves — non-ionizing radiofrequency radiation — and essentially function as cell towers. Each installation can have over a thousand antennas that are transmitting simultaneously.

Millions of small cells to be built in front yards: The Federal Communications Commission estimates that millions of these wireless transmitters will be built in our rights-of-way, directly in front of our homes.

5G will add to — not replace — our current wireless technology: 5G will not only utilize current 3G and 4G wireless frequencies already in use but also add higher frequency — submillimeter and millimeter waves — in order to transmit data at superfast speeds.

Community authority is overruled: Communities are being stripped of their right to make decisions about this new technology. "Streamlining" means almost automatic approval. Public notice and public hearings are being eliminated. Even if every homeowner on the block opposes the antennas on their street, the opposition will be disregarded.

Scientists worldwide are calling for a halt to the 5G Roll-out: Over 200 scientists and doctors issued a declaration calling for a moratorium on the increase of 5G cell antennas citing human health effects and impacts to wildlife.
Read the 2017 Scientific Appeal on 5G To the European Commission
Read the 2015 EMF Scientist Appeal to the United Nations
Read Letters From Dozens of Scientists on Health Risks of 5G

Cumulative daily radiation exposure poses serious public health risks: Peer reviewed, published science indicates that exposures to wireless radiation can increase cancer risk, alter brain development and damage sperm. Most people are unaware that wireless technology was never tested for long-term safety, that children are more vulnerable and that the accumulated scientific evidence shows harm.

Decreased property values: Studies show property values drop up to 20% on homes near cell towers. Would you buy a home with a mini cell tower in the yard? Read research showing decreased property value from cell towers near homes.

Microwave antennas in front yards present several worker and public safety issues: Unions have already filed comments that workers were injured, unaware they were working near transmitting antennas. How will HVAC workers, window washers, and tree cutters be protected? The heavy large equipment cabinets mounted on poles along our sidewalks also present new hazards. Cars run into utility poles, often, what then? US Dept of Labor letters on cell tower safety

Fiber is the safe alternative: Worldwide, many regions are investing in wired fiberoptic connections which are are safer, faster, more reliable, provide greater capacity, and are more cyber-secure. Read "Re-Inventing Wires: The Future of Landlines and Networks," by the National Institute for Science, Law & Public Policy

www.ehtrust.org

All text in this document in blue is hyperlinked to resources for more information.
Please also see https://ehtrust.org/factsheet-need-know-5g-small-cells-science-policy-public-health/ for additional resources.

KEY RESEARCH AND REPORTS

5G Frequencies Are Absorbed Into the Skin
Physicists found that the higher millimeter frequencies intended for 5G use are preferentially absorbed into the sweat duct at much higher rates than other organ tissues. Read two published studies "The Modeling of the Absorbance of the Sub-THz Radiation by Human Skin." The human skin as a sub-THz receiver – Does 5G pose a danger to it or not? Paul Ben-Ishai, PhD Lecture.

5G Frequencies Are Used As Weapons
Millimeter frequencies have the capacity to cause a severe burning sensation in the skin and are used by the U.S. Department of Defense in crowd control guns called Active Denial Systems.

Landmark US National Toxicology Program (NTP) Study Finds "Clear Evidence of Cancer" and DNA Damage
The NTP studies found male rats exposed for two years to cell phone radiation developed significantly increased gliomas (brain cancer) and schwann cell tumors, the very same types of tumors increased in long-term human cell phone users. NIH/NTP presentation on DNA results states "exposure to RFR has the potential to induce measurable DNA damage under certain exposure conditions." Press Coverage, Peer Review Report

Cell Tower Radiation is Linked To Damage in Human Blood
A published study compared people living close and far from cell antennas and found people living closer to cellular antennas had changes in blood that predicts cancer development. Read Zothansiama et al, 2017. Read a Compilation of Research on Cell Tower Radiation

Published Scientific Review on 5G Finds Adverse Effects
Scientific literature documents evidence of nonthermal cellular damage from wireless radiation used in telecommunications to DNA integrity, cellular membranes, gene expression, protein synthesis, neuronal function, the blood brain barrier, melatonin production, sperm damage and immune dysfunction. Russell 2018

Cellular Radiation Negatively Impacts Birds and Bees
Published research finds the frequencies alter bird navigation and disturb honeybee colonies. Research on EMF and Bees. Research on Wildlife

RESOURCES

Research on 5G and Cell Tower Radiation

A 5G Wireless Future: Will it give us a smart nation or contribute to an unhealthy one?" Santa Clara Medical Association Bulletin, Cindy Russell MD, 2017

Letters by Scientists in Opposition To 5G Research on Cell Tower Radiation, 2017

Biological Effects from Exposure to Electromagnetic Radiation Emitted by Cell Tower Base Stations and Other Antenna Arrays, Levitt and Lai, 2010

Radiofrequency radiation injures trees around mobile phone base stations, Waldmann-Selsam et al., 2016

Department of Interior Letter on the Impact of Cell Towers on Migratory Birds, Willie R. Taylor Director, Office of Environmental Policy and Compliance, 2014

Anthropogenic radiofrequency electromagnetic fields as an emerging threat to wildlife orientation, Balmori, 2015

Briefing Memorandum On The Impacts from Thermal and Non-thermal Non-ionizing Radiation to Birds and Other Wildlife, Manville, 2016

Database of Worldwide International Policy To Reduce EMF

Youtube Scientific Videos on 5G

TAKE ACTION

Contact local, state and federal elected officials in person.

Share this information with your friends, family and community.

Ask for government policy that reduces RFR exposure to the public.

Citizens in all states must organize and take action to halt legislation that increases cell antennas in neighborhoods.

LEARN MORE

Federal Legislation To Know

US States With Streamlining Bills

5G Small Cell Antennas To Be Placed On:
- Street lights
- Trashcans
- Utility poles
- Bus stops
- Sides of buildings

5 Reasons Why Small Cells Are Not Small
- Increased radiation near homes
- Refrigerator-sized equipment cabinet
- Drop in property values
- Taller poles
- Fixtures weigh hundreds of pounds

Crown Castle's 2016 10-K Annual Report says:
"If radio frequency emissions from wireless handsets or equipment on our wireless infrastructure are demonstrated to cause negative health effects, potential future claims could adversely affect our operations, costs or revenues… We currently do not maintain any significant insurance with respect to these matters."

Read warnings from Crown Castle, Verizon and other wireless companies.

The American Academy of Pediatrics says:
"An Egyptian study confirmed concerns that living nearby mobile phone base stations increased the risk for developing:
- Headaches
- Memory problems
- Dizziness
- Depression
- Sleep problems"

AAP on Cell Towers

Letter from oncologist Lennart Hardell MD & Colleagues: "There is a substantial body of evidence that this technology is harmful to humans and the environment. The 5G millimeter wave is known to heat the eyes, skin and testes... Of particular concern are the most vulnerable among us — the unborn, children, the infirm, the elderly and the disabled. It is also expected that populations of bees and birds will drastically decline."

2017 Scientific Letter

Peer Reviewed Research Studies on Radiofrequency Radiation Have Found:
- Headaches
- Sperm damage
- Altered brain development
- Depression
- Neurological symptoms
- Hormone changes
- Memory problems
- Sleep problems
- Cancer

Science:

BioInitiative 2012 Report by Independent Scientists
Dr. Moskowitz, University of California at Berkeley
Dr. Lennart Hardell Örebro University Sweden
The Baby Safe Project
Whatis5g.info
Physicians for Safe Technology
Environmental Health Trust 5G Resources

www.ehtrust.org

ENVIRONMENTAL HEALTH TRUST

ENVIRONMENTAL HEALTH TRUST

5G, Your Health And The Environment

WHAT IS 5G?

5G is the fifth generation of wireless technology promising to connect the Internet of Things (IoT) at blazing fast speeds. Millions of new cell antennas are being installed in front of homes on street lights and utility poles. Telecom has heavily lobbied governments to pass new regulations that fast track new wireless antenna installations by removing public notice and public hearings and usurp local control.

Issues With 5G

- Experimental technology
- Increases radiation exposure
- Outdated radiation guidelines
- Children are more vulnerable
- Inadequate regulations
- Impact to tree canopy
- No oversight by health authority
- No environmental review
- Increases energy usage
- Increases e-waste and pollution
- Lowers property values
- Local authority overruled
- Loss of privacy
- Interferes with weather forecasting
- Screen addiction
- Uninsured liability
- Cyber security risks

Peer Reviewed Research On Wireless Radiation

- Sperm damage
- Oxidative stress
- Altered brain development
- DNA damage
- Immune system damage
- Memory problems
- Sleep problems
- Hyperactivity
- Behavior problems
- Breach of blood-brain barrier
- Brain tumors
- Cancer
- Harm to birds, bees, and trees

Harvard Investigation Finds Industry Funding Influences Science and Policy

"Industry control, in the case of wireless health issues, extends beyond Congress and regulators to basic scientific research."
— *Norm Alster, in* Captured Agency, *Harvard University*

Medical Doctors Caution

"An Egyptian study confirmed concerns that living nearby mobile phone base stations increased the risk for developing headaches, memory problems, dizziness, depression and sleep problems. In large studies, an association has been observed between symptoms and exposure to these fields in the everyday environment."
— *The American Academy of Pediatrics*

Scientists Worldwide Are Calling For A Halt To 5G

"We recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential hazards for human health and the environment have been fully investigated by scientists independent from industry...RF-EMF has been proven to be harmful for humans and the environment."
— The 5G Appeal *(signed by over 250 independent scientists and medical doctors from 40 countries)*

Worldwide Opposition

Governments are taking action to stop 5G. Dozens of cities in Italy, the U.K., the U.S. and Switzerland are passing resolutions/ restrictions to halt the 5G roll-out until adequate safety testing has been done. Several countries recommend reducing children's exposures to cellular phone radiation.

5G was not premarket safety tested. LEARN MORE AT **EHTRUST.ORG**

What Parents Need To Know About Safe Technology

"Parents should not panic over the latest research, but it can be used as a good reminder to limit both children's screen time and exposure from cell phones and other devices emitting radiation from electromagnetic fields (EMF)."

THE AMERICAN ACADEMY OF PEDIATRICS, 2016

"Children are disproportionately affected by environmental exposures, including cell phone radiation."

THE AMERICAN ACADEMY OF PEDIATRICS, 2013

What Does the Science Say about Wireless and Children?

- **Children have thinner skulls.** Research shows that children's developing brains, eyes and bone marrow absorb this radiation three to ten times deeper than adults.
- **The World Health Organization's International Agency for the Research on Cancer classified wireless radio frequency radiation as a Class 2B, Possible Human Carcinogen in 2011.** Cell and cordless phones are linked to increased brain tumors. Risks are highest for those who first used a phone under the age of twenty.
- **A landmark study by the National Toxicology Program** found "clear evidence" of cancer, heart damage and DNA damage in rats exposed daily to wireless radiation.
- **A 2018 study found an impact to memory in teenagers who used cell phones to the head for just a year.** Published research also links wireless exposure to hyperactivity, behavior problems damaged sperm, and altered brain development.
- **Wireless radiation at very low levels has been shown to change brain activity.** In 2011, NIH researchers found brain glucose metabolism increased from cell phone radiation.
- **A 2011 Yale Medicine mice study found increased hyperactivity and memory problems after prenatal exposure.** Now Harvard and Yale Doctors are recommending pregnant women reduce exposure. See **BabySafeProject.org**

Worldwide Countries are Taking Protective Action

Belgium, France, Australia, Russia, the United Kingdom, India, Finland, Turkey, Canada and the European Union have all taken measures to reduce children's exposure to wireless radiation by stricter regulations and/or issuing informative fact sheets for their citizens on how to reduce exposures to children.

Read the Manufacturer's Advice Written in Fine Print on Wireless Device Manuals

FROM THE SAMSUNG 3G LAPTOP MANUAL:

"**Usage precautions during 3G connection:** Keep safe distance from pregnant women's stomach or from lower stomach of teenagers.

"..the Council recommends limiting exposures... WiFi can be turned off and wired local area network (LAN) can provide a reliable and secure form of networking ..without any microwave electromagnetic field exposure."

- Maryland State Children's Environmental Health and Protection Advisory Council 2017

MORE AT: www.EHTrust.org

> **For children the cancer risks may be greater than that for adults because of greater penetration and absorption of cell phone radiation in the brains of children and because the developing nervous system of children is more susceptible.**
>
> – Ron Melnick PhD, Senior Toxicologist at National Institute of Environmental Health Sciences, Retired

But wireless is everywhere, will wires really help?

Simple changes such as hardwiring computers and keeping tech on Airplane Mode will significantly reduce a child's daily exposure. **Since exposure is cumulative and children will have a lifetime to be exposed**, these changes could greatly reduce your child's risk of cancer and other diseases.

Why is it legal?

Wireless was never premarket tested for children's safety. It is not a food, drug, or chemical and a long term health risk assessment was never done by the FDA, CDC, NCI or EPA.

Is our government doing anything?

The FCC has opened a review of our **outdated wireless radiation exposure limits (from 1996)** but so far there has been no action. Current laws do not protect children from the biological effects of longterm low level exposures. The American Academy of Pediatrics is calling for large scale research and more protective radiation limits for children and pregnant women. These protective regulations may take years to pass. **Parents can take steps now to ensure safety at home and at school.**

NEW JERSEY EDUCATION ASSOCIATION REVIEW 11/2016

Minimize health risks from electronic devices

- Keep devices away from the body and bedroom.
- Put devices on desks, not laps.
- Hard wire all devices that connect to the internet.
- Hard wire all fixed devices such as printers, projectors and boards.
- Use hard-wired phones instead of cell or cordless phones.

ENVIRONMENTAL HEALTH TRUST

MORE AT: EHTrust.org AND #PracticeSafeTech

AMERICAN ACADEMY OF PEDIATRICS SAFETY TIPS FOR FAMILIES

- **Use cell phones in speaker mode** or with the use of hands-free kits.
- **Avoid carrying your phone against the body like in a pocket, sock, or bra.** Cell phone manufacturers can't guarantee that the amount of radiation you're absorbing will be at a safe level.
- If you plan to watch a movie on your device, download it first, then **switch to airplane mode while you watch** in order to avoid unnecessary radiation exposure.
- **Keep an eye on your signal strength** (i.e. how many bars you have). The weaker your cell signal, the harder your phone has to work and the more radiation it gives off.
- **Avoid making calls in cars, elevators, trains, and buses.** The cell phone works harder to get a signal through metal, so the power level increases.
- **Remember that cell phones are not toys or teething items.**
- **Make only short or essential calls on cell phones.**

FIND OUT MORE AT
https://www.healthychildren.org/English/safety-prevention/all-around/Pages/Cell-Phone-Radiation-Childrens-Health.aspx

Choose corded connections.

Connect to Internet whenever possible using ethernet connections, not Wi-Fi. It is as simple as running a cord from your router directly to your device and then turning off the wireless antennas of the router and the devices.

Corded connections provide access to the same Internet but without the body-penetrating wireless radiation.

Adapters are available to connect ethernet cords to smaller devices such as tablets, e-readers, and smartphones.

EXHIBIT 7. 2019 COMPREHENSIVE PLAN CONSISTENCY

Capital Facilities

Goal CF-3: To assure that capital improvements necessary to carry out the comprehensive plan are provided when they are needed.

Policies: CF –3.1 Development shall be allowed only when and where all public facilities are adequate and only when such development can be adequately served by essential public services without reducing level of service standards else-where.

CF–3.4 Require that development proposals are reviewed by the various providers of services, such as school districts, sewer, water, and fire departments, for available capacity to accommodate development and needed system improvements.

CF–3.7 Development proposals within the City should incorporate construction designs which minimize water and energy consumption.

Goal CF-4: To finance the City's needed capital facilities in as economic, efficient, and equitable a manner as possible.

CF –4.2 General revenues should be used only to fund projects that provide a general benefit to the entire community or the general government functions of the City.

Land Use

Goal LU-1: Management and Implementation

Policies

LU –1.2 Land use changes should be guided by topography, soils conditions, adjacent land uses, and the ability of the City to provide facilities and services.

LU –1.5 The City will coordinate concurrency management review. Developers shall provide information relating to impacts that the proposed development will have on public facilities and services.

LU –1.8 Conditional Use Permits, street vacations, variances and other special applications shall only be permitted when there is an overriding permanent public benefit consistent with the goals and policies of this Comprehensive Plan.

Goal LU-3: Preserve Cle Elum's natural environment while allowing for growth and development.

LU –3.5 All new development must be in compliance with the provisions of the 2019Stormwater Management Manual for Eastern Washington and the Washington State Department of Ecology Best Management Practices.

LU –3.8 Developments in steep slope areas [as defined by CEMC 18.01] shall not be permitted unless information is provided to the City, that is both adequate and acceptable, that addresses erosion, slope and soil stability, drainage, stormwater runoff and diversion.

Goal LU-12: Water Quality & Quantity

Policies

LU –12.3 The City shall consider the impacts of new development on water quality as part of its review process and will require any appropriate mitigating measures.

LU –12.4 Protect members of the public and public resources and facilities from injury, loss of life, or property damage due to landslides and steep slope failures, erosion, seismic events, or flooding.

LU –12.5 Direct activities not dependent on critical areas resources to less ecologically sensitive sites and mitigate unavoidable impacts to critical areas by regulating alterations in and adjacent to critical areas.

LU –12.6 Adequate on-site disposal of surface water runoff shall be provided by all types of development.

Goal LU-13: Drainage, flooding, and stormwater runoff

LU –13.2 Development shall take adequate measures to minimize significant erosion and flash flooding conditions by: Limiting the total amount of impervious surface to be created; Planting sufficient vegetation to offset the effects of the impervious surfaces created; and/or providing sufficient drainage facilities to control storm runoff.

LU –13.3Where there is a high probability of erosion, grading should be kept to a minimum and disturbed vegetation should be restored as soon as is feasible. In all cases, appropriate measures to control erosion and sedimentation shall be required.

LU –13.4 Review available best management practices which can be used to reduce erosion and sedimentation associated with development within Cle Elum. Investigate the need for additional erosion control measures for construction projects.

Parks, Recreation, & Open Spaces

Goal PRO-1: Develop an outstanding parks, recreation and open space system in Cle Elum to meet the needs of a diverse community.

PRO-1.1 Preserve a wide variety of lands for park, recreation, and open space purposes including, but not limited to:

a) Natural areas and natural features with scenic or recreational value.
b) Land that may provide public access to water bodies, trails, natural areas and parks.
c) Lands that visually or physically connect natural areas or provide important linkages for recreation and wildlife habitat.
d) Environmentally sensitive areas, including steep slopes, floodways, wetlands, stream corridors, and habitat.

Goal PRO-2: Acquire and develop a City-wide, integrated, multiple-use track, trail,and connection system that is functional, safe, and convenient.

PRO-2.6 Create a comprehensive system of on-road trails to improve connectivity for the pedestrian and bicycle commuter, recreationalist, and touring enthusiast using local road rights-of-way and alignments.

Goal PRO-8: Investigate and implement methods of financing parks, recreation, and open space acquisitions and improvements, such as grant funding and public-private partnerships.

PRO-8.1 Investigate innovative and available methods such as growth impact fees, other mitigation, land set-a-side, or fee-in-lieu-of-donation ordinances, and inter-local agreements, to finance facility development, maintenance, and operating needs in order to reduce costs, retain financial flexibility, match use benefits with interests, and increase services.

Transportation

Objective 2: Create a comprehensive street system that provides reasonable vehicular circulation throughout the City while enhancing the safety and function of the overall local transportation. (CWPP 4.1; KC Comp Plan GPO 4.1, 4.3, 4.4)

PolicyT-15 Provide a balance between protecting neighborhoods from increased through traffic while maintaining access to neighborhoods.

PolicyT-17 Develop strategies to reduce adverse traffic impacts on local areas. Areas of the City that require this type of planning should be identified and addressed through the sub-area planning process, neighborhood plans, or traffic mitigation programs that are implemented through development review.

Objective 3: Evaluate existing and future land use for its impacts to the circulation system; ensure that a consistent level of service is provided to the public; and any improvements that may be required, are concurrent to the development. (RCW 36.70(A).040; CWPP 4.8; KC Comp Plan GPO 4.16, 4.18)

Policy T-22 The City shall not issue development permits where the project requires transportation improvements that exceed the City's ability to provide these in accordance with the adopted Level of Service standard, unless the developer accepts full responsibility for such improvements.

PolicyT-23 New development shall be allowed only when and where all transportation facilities are adequate at the time of development, or unless a financial commitment is in place to complete the necessary improvements or strategies which will accommodate the impacts within six years; and only when and where such development can be adequately served by essential transportation facilities without reducing level of service elsewhere.

Objective 4: Promote the development and enhancement of non-motorized transportation Citywide. (CWPP 4.6; KC Comp Plan GPO 4.14.)

PolicyT-29 Streets and pedestrian paths in residential neighborhoods should be arranged as interconnecting networks and should connect to other streets.

Utilities

Goal U1: Designate the general location, proposed location, and capacity of existing and proposed utility facilities in the City and Urban Growth Area (UGA).

Policy U1.3: Where safe and practical, use regional and local power, natural gas, and telecommunication corridors for the development of recreational trails, open spaces, parking lots, or other land uses that may provide multiple benefits to the local community or neighborhood.

Policy U1.5: Promote whenever feasible emerging and innovative technologies which can be used to broaden the types of alternative forms of energy in or for new public and private utility distribution facilities.

GOAL U3: Decisions made by the City of Cle Elum regarding utility services within the City will be made in a manner consistent with and complementary to regional demands and resources.

Policy U3.2: Site utilities away from critical areas, or site them in a manner that is compatible with critical areas.

Policy U3.3: New development shall be allowed only when and where utilities are adequate, and only when and where such development can be adequately served by essential public utilities, or provided by the developer, without significantly degrading level of service elsewhere.

GOAL U4: Additions to and improvements of utility services will be allowed to occur at a time and in a manner sufficient to serve planned growth.

Policy U4.1: Process permits and approvals for all utility facilities in a fair and timely manner, and in accordance with land development regulations that ensure predictability and project concurrency.

Goal U5: Planning by the City of Cle Elum for utility facilities development within the City and UGA will be coordinated with planning by other jurisdictions for utility development.

Policy U5.3: Provide timely and effective notice to utilities of the construction, maintenance or repair of streets, roads, highways, or other facilities, and coordinate such work with the serving utilities to ensure that utility needs are appropriately considered.

Policy U5.4: Promote whenever feasible co-location of new public and private utility distribution facilities in shared trenches and physical locations, and coordinate construction timing to minimize construction-related disruptions and reduce the cost of utility delivery.