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Dallas City Council Agenda

Mayor Brian Dalton, Presiding
Monday, April 18, 2022
7:00 PM
Dallas City Hall
187 SE Court St
Dallas, OR 97338

All persons addressing the Council will please use the table at the front of the Council. All testimony is electronically streamed and recorded via the City of Dallas YouTube Channel: https://www.dallasor.gov/community/page/dallasyoutube If you wish to speak on any agenda item, please sign in on the provided card.

	AGENDA ITEM	RECOMMENDED ACTION
1.	ROLL CALL, PLEDGE OF ALLEGIANCE	
2.	2022 Arbor Day Proclamation	
3.	PUBLIC HEARING a) Appeal of the approval by the Dallas Planning Commission of a conditional use permit for a wireless communications tower (#CUP-22-01) p. 4 b) CDBG SB2005 Closeout p. 104	Motion N/A
4.	PUBLIC COMMENT **(SEE PAGE 3 FOR MORE INFORMATION)** *This time is provided for citizens to comment on municipal issues and any agenda items other than public hearings.* To submit public comment by live telephone, please call: **+1 253 215 8782** Meeting ID: **213 855 0622**	
5.	CONSENT AGENDA p. 108 *The following items are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless a Council member so requests, in which case the item will be removed from the Consent Agenda and considered separately.* a) Approve April 4, 2022 City Council Workshop Minutes b) Approve April 4, 2022 City Council Meeting Minutes c) Acknowledge March Financial Report	Motion
6.	ITEMS REMOVED FROM CONSENT AGENDA	

Dallas City Council Agenda

Monday, April 18 2022
7:00 PM

7.	REPORTS OR COMMENTS FROM MAYOR AND COUNCIL MEMBERS	
8.	REPORTS FROM CITY MANAGER AND STAFF	
	a) Itinerant Merchant Master License p. 134	Motion
	b) Filling Council vacancy p. 140	Motion
9.	FIRST READING OF ORDINANCES p. 143	
	a) Ordinance 1872 – An Ordinance Relating to Abandoned Vehicles	N/A
10.	OTHER BUSINESS	
11.	ADJOURNMENT	

ARBOR DAY PROCLAMATION

WHEREAS, in 1872, J. Sterling Morton proposed to the Nebraska Board of Agriculture that a special day be set aside for the planting of trees, and

WHEREAS, the holiday, Arbor Day, is now observed throughout the nation, the world, and this city in particular, and

WHEREAS, trees improve our society and lives in a host of ways, physically, mentally and spiritually,

WHEREAS, trees actually increase property values and our economic vitality as well as beautify and cool our community on hot summer days, and

WHEREAS, trees turn unwanted carbon dioxide into desirable oxygen through photosynthesis, and

WHEREAS, Dallas is proudly a Tree City USA and planted over 100 trees on public grounds last year to add to the numerable trees that were planted by our citizens, and

WHEREAS, trees, wherever they are planted, are a source of joy, especially for our children – what child does not have a special tree, after all?

NOW, THEREFORE, I Brian Dalton, Mayor of the City of Dallas, Oregon, do hereby proclaim April 29th as Arbor Day in the City of Dallas, Oregon and urge all citizens to celebrate this fine Day by planting and caring for trees to gladden the heart and promote the well-being of this and future generations.

Dated this_____day of_____in the year_____.

_____
Mayor Brian Dalton

_____
Brian Latta, City Manager

THE CITY OF DALLAS OREGON

TREE CITY USA®

CITY OF DALLAS
CITY COUNCIL
STAFF REPORT

MEETING DATE:	April 18, 2022
AGENDA ITEM NO.	3a
TOPIC:	Appeal of the approval by the Dallas Planning Commission of a conditional use permit for a wireless communications tower (#CUP-22-01)
PREPARED BY:	Chase Ballew, City Planner
APPROVED BY:	Brian Latta, City Manager
ATTACHMENTS:	A. Notice of Appeal Hearing & DDC Section 4.1.040.G - Appeal To City Council B. Planning Commission Order of Approval w/ Conditions C. Planning Commission Staff Report D. Planning Commission Meeting Minutes E. Appellant's Notice of Appeal F. Written Response to Appeal from Applicant G. Conditional Use Permit & Variance Application with Exhibits

Dallas City Council
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RECOMMENDED ACTION:

Staff recommends the City Council approve Conditional Use Permit 22-01 with conditions, consistent with the decision by the Planning Commission.

BACKGROUND:

On March 8, 2022, the Dallas Planning Commission conducted a public hearing and received public testimony in consideration of applicant's proposal to erect a wireless communications tower on industrial property on SE Holman Street.

Two letters of testimony were received prior to the Planning Commission hearing. The applicant attended and addressed the Commission during the hearing, and three members of the public testified orally during the period of public testimony; their comments are reflected in the attached meeting minutes **(see Attachment D)**. Video of the hearing is also archived online, accessible from www.dallasor.gov/community/page/dallasyoutube.

At the close of the hearing the Planning Commission deliberated and voted unanimously to approve with conditions. The attached Final Order of Approval with Conditions, signed by the Planning Commission chairperson, reflects this decision **(see Attachment B)**.

On April 1, 2022, prior to the expiration of the 10-business-day appeal period, the city received notice of appeal with related fee from B.T. Sims **(see Attachment E)**. The notice identifies a specific issue being raised on appeal, and demonstrates standing to appeal.

The city issued a notice of the appeal public hearing to parties of record on April 1, 2022 **(see Attachment A)**.

APPROVAL CRITERIA:

Approval criteria specific to Wireless Communication Facilities are contained in Dallas Development Code (DDC) Section 3.5.060. Such facilities require conditional use approval, the criteria for which are contained in DDC Section 4.4.040. Conditional Uses must also demonstrate compliance with the approval criteria for Site Design Review contained in DDC Section 4.2.060. The original application also included a request for variance to landscaping standards, the criteria for which is DDC Section 5.1.040.

APPEAL PROCESS:

Under DDC Section 4.1.040.G, appeals to the city council are limited to *de novo* review on the record of the decision being appealed; The City Council shall make its decision based upon the existing record. Parties to the Planning Commission hearing may present argument, but may not introduce additional evidence into the record.

The appellant shall have the burden of proof and persuasion on appeal. In considering the appeal, the City Council need only consider those matters specifically raised by the appellant. The City Council may consider other matters if it so desires.

Decisions on appeal to the City Council shall be based on standards and criteria in the development code, and shall relate to the applicable Code standards and criteria.

APPEAL FINDINGS:

As the Council's decision must relate to Code standards and criteria, staff note that the notice of appeal discusses the impact of cell towers on surrounding property values.

While not stated outright, this appears to question variance approval criterion #5, which requires that "*The Variance will result in no foreseeable harm to adjacent property owners or the public"* and/or conditional use criterion #2, which requires that *"The negative impacts of the proposed use on adjacent properties and on the public can be mitigated through application of other Code standards, or other reasonable conditions of approval."*

The attached staff report to the Planning Commission contains findings regarding general compliance with these and other code requirements **(see Attachment C)**.

RECOMMENDED MOTION:

I move that the Conditional Use Permit be Approved with Conditions, consistent with the decision by the Planning Commission.

ATTACHMENTS:

A. Notice of Appeal Hearing & DDC Section 4.1.040.G - Appeal To City Council
B. Planning Commission Order of Approval w/ Conditions
C. Planning Commission Staff Report
D. Planning Commission Meeting Minutes
E. Appellant's Notice of Appeal
F. Written Response to Appeal from Applicant
G. Conditional Use Permit & Variance Application with Exhibits

CITY OF DALLAS
NOTICE OF APPEAL HEARING

Conditional Use Permit #CUP-22-01 - Variance #VAR-22-01

You are receiving this notice because you were party to the hearing before the Dallas Planning Commission on this matter, which has been appealed to the Dallas City Council.

PROPERTY LOCATION:	Taxmap 7.5.33DC Taxlot #1200 – (See map on reverse)
APPLICANT:	Verizon Wireless (Represented by Urban Wireless Inc.)
NATURE OF REQUEST:	A conditional use approval to relocate an existing communications site to a new 120' monopole, with base station equipment and emergency generator. Includes request for variance to landscaping requirements.
APPLICABLE CRITERIA:	DDC Chapter 4.4.040.A – Conditional Uses DDC Chapter 5.1.040.B – Class B Variances
HEARING DATE / TIME:	7:00 p.m. Monday, April 18, 2022
HEARING LOCATION:	**In Person:** Dallas City Hall, 187 SE Court Street, Dallas, Oregon **Telephone:** +1 253 215 8782 . . . . . Passcode: **213 855 0622** **Watch Online:** www.dallasor.gov/community/page/dallasyoutube
CITY STAFF CONTACT:	Chase Ballew, City Planner Phone: 503-831-3570 chase.ballew@dallasor.gov TDD: 503-623-7355

At the above day and time the Dallas City Council will hold a hearing on the appeal of the Planning Commission's approval of the Conditional Use application from Urban Wireless Inc, on behalf of Verizon Wireless, for a new monopole cellular communications tower in the industrial zone.

This appeal to City Council is a *de novo* review on the record, and therefore the City Council will make its decision based upon the facts already in the record. The parties to the hearing before the Planning Commission will be granted the right to present argument, **but may not introduce additional evidence**. In considering the appeal, the City Council need only consider those matters specifically raised by the appellant. The City Council may consider other matters if it so desires. The appellant shall have the burden of proof and persuasion on appeal.

You may attend this meeting in-person at Dallas City Hall. You may also participate by telephone by dialing the number above and entering the passcode when prompted. Video of the proceedings will be broadcast live at the website above, but oral testimony must be in-person or by phone.

At least seven days prior to the hearing, the staff report, application, documents, and evidence submitted by the applicant, and the applicable approval criteria will be available for review online at www.dallasor.gov/meetings or in person at Dallas City Hall. Upon request, copies will be made at reasonable cost.

Failure of an issue to be raised in a hearing, in person or by letter, or failure to provide statements or evidence sufficient to afford the decision maker an opportunity to respond to the issue precludes appeal to the Land Use Board of Appeals (LUBA) based on that issue.

City Hall is accessible to persons with disabilities. Requests for reasonable accommodations must be made at least 48 hours in advance. Dated: April 1, 2022

NOTICE TO MORTGAGEE, LIENHOLDER, VENDOR, OR SELLER, ORS 215 REQUIRES THAT IF YOU RECEIVE THIS NOTICE IT MUST BE PROMPTLY FORWARDED TO THE PURCHASER.
The recipient of this notice is hereby responsible to promptly forward a copy of this notice to every person with a documented interest, including a renter or lessee.

Dallas Development Code 4.1.040.G - Appeal to City Council. Appeals from the Planning Commission on Type II Administrative Appeals and Type III decisions are heard by City Council as follows:

1. Who may appeal. The following people have legal standing to appeal a Type II Administrative Decision or Type III Decision from the Planning Commission to the City Council:
   a. The applicant or owner of the subject property;
   b. Any other person who participated in the proceeding by submitting oral or written comments.
2. Appeal filing procedure.
   a. *Notice of appeal*. Any person with standing to appeal, as provided in subsection 1, above, may appeal a Type II Administrative Appeal or Type III Decision by filing a Notice of Appeal according to the following procedures.
   b. *Time for filing*. A Notice of Appeal of a Type II Administrative Appeal or Type III Decision shall be filed with the City Planning Official within ten (10) business days after the notice of decision is mailed.
   c. *Content of notice of appeal*. The Notice of Appeal shall be accompanied by the required filing fee, and shall contain:
      (1) An identification of the decision being appealed, including the date of the decision;
      (2) A statement demonstrating the person filing the Notice of Appeal has standing to appeal;
      (3) A statement explaining the specific issues being raised on appeal;
      (4) If the appellant is not the applicant, a statement demonstrating that the appeal issues were raised during the comment period.
3. Scope of review. An appeal of a Type II Administrative Appeal or a Type III Decision shall be limited to *de novo* review on the record of the decision being appealed.
4. Review on the Record.
   a. For the purpose of *de novo* review on the record under section 3., above, the record shall include the following:
      (1) A factual report prepared by the Planning Official;
      (2) All exhibits, materials, pleadings, memoranda, stipulations, oral and written testimony and motions submitted to and received or considered by the Planning Commission in reaching the decision under review;
      (3) The final order and findings of fact adopted by the Planning Commission;
      (4) The Notice of Appeal filed by the appellant; and
      (5) The minutes of the Planning Commission's public hearings on the matter, including a transcript of the hearings if requested by or presented to the City Council.
   b. All parties to the hearing before the Planning Commission shall receive notice of the proposed hearing on *de novo* review on the record, indicating the date, time and place of the review, and of the right to present argument to the City Council as provided in subsection c., below.
   c. The City Council shall make its decision based upon the record after first granting the right to present argument, but not to introduce additional evidence, to the parties to the hearing before the Planning Commission.
   d. In considering the appeal, the City Council need only consider those matters specifically raised by the appellant. The City Council may consider other matters if it so desires.
   e. The appellant shall have the burden of proof and persuasion on appeal.
5. The Decision Process.
   a. Basis for decision. Decisions on appeal to the City Council shall be based on standards and criteria in this Code. The decision on such appeal shall relate to the applicable Code standards and criteria.
   b. Findings and conclusions. The written decision shall explain the relevant criteria and standards, state the facts relied upon in rendering the decision, and justify the decision according to the criteria, standards, and facts.
   c. Form of decision. The City Council shall issue a final written order containing the findings and conclusions required in subparagraph b., which either approves, denies, or approves with specific conditions.
   d. Decision-making time limits. A final order on any appeal to the City Council shall be signed by the Mayor or President of the City Council and filed by the City Planning Official within ten (10) business days after the decision is made.
   e. Notice of Decision. Written notice of a decision on an appeal to the City Council shall be mailed to the applicant and to all participants of record within ten (10) business days after the decision is made. Failure of any person to receive mailed notice shall not invalidate the decision or action, provided that a good faith attempt was made to mail the notice.
   f. Final Decision and Effective Date. A decision of the City Council is final on the date it is mailed by the City. The decision is effective on the day after the appeal period for the decision expires.
6. Further Appeal to LUBA. The City Council's decision may be appealed to the State Land Use Board of Appeals pursuant to ORS 197.805 - 197.860.

ATTACHMENT B.1

BEFORE THE PLANNING COMMISSION
OF THE CITY OF DALLAS

In the matter of:
Conditional Use Permit #CUP 22-01
Variance #VAR-22-01

AN ORDER IN RESPONSE TO A LAND USE APPLICATION

RECITAL

Whereas, on February 16, 2022, the City of Dallas issued required notices for the above application consistent with the Type 3 procedure as described in Dallas Development Code Section 4.1.040; and

Whereas, on March 8, 2022, the Dallas Planning Commission conducted a public hearing to consider the proposal and received oral and written testimony; and

Whereas, at the conclusion of the public hearing, the Dallas Planning Commission voted to approve the proposal, subject to the conditions identified in the Staff Report; and

Whereas, the Dallas Planning Commission decision is based on the facts and findings as stated in the Staff Report, in response to the approval criteria identified in Chapter 4 of the Dallas Development Code under Section 4.4.040.A.

CONCLUSION

The Dallas Planning Commission hereby approves the Conditional Use Permit and landscaping Variance for the wireless communication facility, subject to the following conditions.

CONDITIONS

1. The applicant shall obtain all required building permits and receive final inspection from the Dallas Building Department.
2. All mechanical and electrical equipment associated with the WCF shall be enclosed within the six-foot sight obscuring fence.
3. An Operational Certificate shall be provided within 45 days of final construction / installation.
4. An encroachment permit shall be obtained and the driveway approach replaced with an ADA accessible approach.

Attest:
Chase Ballew
City Planner

March 17, 2022

David Shein
Dallas Planning Commission Chair

March 17, 2022

ATTACHMENT B.2

CITY OF DALLAS
NOTICE OF DECISION

APPLICATION#: CUP-22-01 & VAR-22-01

On March 8, 2022, the Planning Commission held public hearing on the application(s), and after deliberating voted to approve the request with conditions. A copy of the Final Order is attached. This decision may be appealed to the City Council by:

a. The applicant or owner of the subject property; or

b. Any other person who participated in the proceeding by submitting oral or written comments.

Appeal filing procedure.

a. *Notice of appeal*. Any person with standing to appeal, as provided above, may appeal the decision by filing a Notice of Appeal according to the following procedures.

b. *Time for filing*. A Notice of Appeal shall be filed with the City Planning Official within ten (10) business days after the notice of decision is mailed.

c. *Content of notice of appeal*. The Notice of Appeal shall be accompanied by the required filing fee, and shall contain:

(1) An identification of the decision being appealed, including the date of the decision;

(2) A statement demonstrating the person filing the Notice of Appeal has standing to appeal;

(3) A statement explaining the specific issues being raised on appeal;

(4) If the appellant is not the applicant, a statement demonstrating that the appeal issues were raised during the comment period.

Scope of review. Appeal of a Type III Decision shall be limited to *de novo* review on the record of the decision being appealed and shall be conducted in accordance with DDC 4.1.040(G)(4) and (5).

A Notice of Appeal and $500 appeal fee must be filed by 5:00 p.m. on April 1, 2022 at the Economic & Community Development Department, 187 SE Court Street, Dallas, Oregon 97338.

Chase Ballew
City Planner
planning@dallasor.gov

Dated: March 18, 2022

Attachment C1

CITY OF DALLAS
PLANNING COMMISSION
STAFF REPORT

MEETING DATE:	MARCH 8, 2022
STAFF REPORT DATE:	FEBRUARY 28, 2022
TOPIC:	VERIZON WIRELESS TOWER - #CUP-22-01 / VAR-22-01
APPLICATION TYPE:	CONDITIONAL USE, VARIANCE
APPLICANT:	URBAN WIRELESS LLC, ON BEHALF OF VERIZON WIRELESS
PROPERTY OWNER:	ROBERT EVANS TRUST
LOCATION:	SE HOWE STREET - TAXMAP 7.5.33DC TAXLOT 1200

RECOMMENDED ACTION
Approval with conditions.

BACKGROUND INFORMATION

Zoning:	Industrial
Comprehensive Plan Map:	Industrial
Floodplain:	500 Year Floodplain - Unregulated
Lot Size:	1 acre
Adjacent Land Uses:	Industrial; Single-family dwellings; Vacant land
Prior Land Use Approvals:	None Found

The applicant proposes to erect a 120-foot-tall monopole tower with related ground equipment, to replace the existing communications facility mounted to the wooden grain tower on Main street. The application includes a request for a variance to the landscaping requirement of DDC.3.5.060.E.2.

The subject property is zoned Industrial, where *Radio Frequency Transmission Facilities, wind turbines, and similar structures* exceeding the height limit of the district are allowed as a conditional use. Development standards specific to Wireless Communication Facilities (WCF) are found in DDC Chapter 3.5, which specifies applications shall be reviewed through a conditional use process (irrespective of height).

APPROVAL CRITERIA
DDC.3.5.060 – Wireless Communication Facility Development Standards
DDC.4.2.060 – Site Design Review Approval Criteria
DDC.4.4.040 – Conditional Use Criteria
DDC.5.1.040 – Variance Approval Criteria

CONDITIONAL USE

The city shall approve, approve with conditions, or deny an application for a conditional use or to enlarge or alter a conditional use based on findings of fact with respect to each of the standards and criteria.

DDC.4.4.040.A.1 - The site size, dimensions, location, topography and access are adequate for the needs of the proposed use, considering the proposed building mass, parking, traffic, noise, vibration, exhaust/emissions, light, glare, erosion, odor, dust, visibility, safety and aesthetic considerations.

FINDING:

The proposal occupies 600 square feet of a 43,560 square foot (1 acre) property, so the size of the site is adequate for the proposed use.

In review of the application city staff have identified no concerns regarding building mass, parking, traffic, noise, vibration, exhaust/emissions, light, glare, erosion, odor, or dust, as the tower does not, by itself, emit noise or dust or generate traffic, etc. However, safety, visibility, and aesthetic considerations may be valid concerns.

With regards to safety, the tower would be required to meet the appropriate safety regulations in its engineering and construction. Operational safety of the wireless equipment is the jurisdiction of the Federal Communications Commission.

With regards to visibility and aesthetic considerations, the site is located within the industrial zone, where standards regulating aesthetics (e.g. architectural design standards) generally do not apply. The applicant has provided visual simulations demonstrating how portions of the proposed tower, which may be visible from the nearby public ways, are less obtrusive than existing overhead utilities (e.g. wood telephone poles).

Summary: In review of the applicant's plan and written statement, staff conclude that the subject site size, dimensions, location, topography and access are adequate for the needs of the proposed use.

DDC.4.4.040.A.2 - The negative impacts of the proposed use on adjacent properties and on the public can be mitigated through application of other Code standards, or other reasonable conditions of approval.

FINDING:

No new or increased off-site negative impacts associated with the proposed radio tower are anticipated.

Summary: In review of the applicant's plan and written statement, staff conclude that there are no anticipated negative impacts of the proposed use on adjacent properties.

DDC.4.4.040.A.3 - All required public facilities have adequate capacity to serve the proposal.

FINDING:

The communications tower does not, by itself, utilize public facilities such as water or sewer.

Summary: Staff concludes this criterion does not apply.

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SITE DESIGN REVIEW

The Site Design Review approval criteria (Section 4.2.060) shall be met. The Planning Official may waive the application requirements for Site Design Review upon determining that the Conditional Use Permit application provides sufficient information to evaluate the proposal.

DDC.4.2.060.A.1 – The application is complete, as determined in accordance with chapter 4.1 – Types of Applications and Section 4.2.050.

FINDING:

The Planning Official finds the applicant's plans and materials submitted for Conditional Use to be sufficient for evaluating against applicable standards of Section 4.2.060 of the proposal.

DDC.4.2.060.A.2 – The application complies with all of the applicable provisions of the underlying Land Use District (Article 2), including building and yard setbacks, lot area and dimensions, density and floor area, lot coverage, building height, building orientation, architecture, and other applicable provisions.

FINDING:

The proposal meets the 20 foot front/rear setbacks for the industrial zone. There is no minimum side setback or maximum lot coverage in the industrial zone. The proposal exceeds the 60 foot height limit, which is explicitly permitted as a conditional use under DDC.2.4.020.

DDC.4.2.060.A.3 – The applicant shall be required to upgrade any existing development that does not comply with the applicable land use district standards, in conformance with Chapter 5.2, non-conforming uses and development.

FINDING:

The site's driveway approach does not meet ADA wheelchair standards, and so must be replaced as a condition of approval.

DDC.4.2.060.A.4 – The proposal complies with all of the design standards in Article 3.

FINDING:

The proposed tower contains no signage, and would have no impact on access and circulation, parking, or public facilities, so chapters 3.1, and 3.3, and 3.4, and 3.6 would not apply to the proposed tower.

Chapter 3.5 contains standards specific to wireless communication facilities; see page 4 for findings. A variance to landscaping is requested. If the variance is granted, the landscape screening requirements of *Chapter 3.2, Landscaping, Street Trees, Fences and Walls* would not apply. Staff concludes that this criterion is met only if the variance is granted.

DDC.4.2.060.A.5 – Existing conditions of approval required as part of a prior land use decision, including land divisions, conditional use permits, mater planned developments, or other approval, shall be met.

FINDING:

No prior approvals found. This criterion does not apply.

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WIRELESS COMMUNICATION FACILITIES

The purpose of this section is to ensure that wireless communication facilities (WCF) are appropriately sited so as to minimize visual impacts to the community.

DDC.3.5.050 – No WCF shall be sited on public school grounds, in a public park, in a dedicated common open space, in the CBD, within any Residential district, or within 300 feet of any Residential district.

FINDING:
The proposed site is located in the industrial zone, and is not within 300 feet of a Residential zone. While there are residential dwellings within 300 feet, these dwellings are located in the Industrial zone, and in the development code the word 'district' refers specifically to the zoning districts.

DDC.3.5.060.A – The location and design of the WCF shall minimize the visual impacts to properties located within ¼ mile of the WCF, considering setbacks, lighting, height, bulk, color, and landscaping.

FINDING:
The applicant's narrative explains how the industrial site was selected to minimize visual impacts.

DDC.4.2.060.B – All support structures, antennas and associated equipment, including any enclosures and all exterior mechanical equipment, shall be colored and/or surfaced, so as to blend with the surrounding area.

FINDING:
The applicants narrative explains the tower will be a "non-glaring galvanized steel metal finish" to blend in"with the northwest sky and surrounding finishes of the industrial zone."

DDC.4.2.060.C – All surfaces shall be non-reflective.

FINDING:
The applicant proposes a "non-glaring galvanized steel metal finish."

DDC.4.2.060.D – Exterior lighting shall not project onto adjacent properties.

FINDING:
The applicant's narrative explains that proposed lighting is to be "mounted and directed to the south toward the existing structure on the property line."

DDC.4.2.060.E – Freestanding support structures shall screen all mechanical and electrical equipment and the bottom six feet of the support structure with a six foot sight obscuring fence, wall, or hedge, and provide a minimum ten foot landscaped perimeter area around the fence, wall, or hedge, and be located and designed to preserve the ability for co-location of at least two additional users.

FINDING:
The applicant proposes a six foot sight obscuring fence, and has reserved 220 square feet of equipment space for additional users. The applicant requests variance to the landscape requirement; see page 5 for findings.

DDC.4.2.060.F – The height of the WCF shall be the minimum necessary to reasonably serve the operational requirements of the WCF.

FINDING:
Applicant's Exhibit E demonstrates the operational requirement for a minimum 120 foot height.

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CLASS-B VARIANCE

The applicant proposes to construct a sight-obscuring fence enclosure around the ground equipment, which itself is within the existing perimeter property fence, and has submitted a variance request to the landscaping requirements of DDC.3.5.060.E.2, which states that "*Free standing support structures shall provide a minimum ten foot landscaped perimeter around the fence, wall, or hedge.*" This constitutes a Class B Variance, which may be approved only upon finding it meets all of the following criteria.

DDC.5.1.040.B.1 – The variance is necessary because the subject Code provision does not account for special or unique physical circumstances of the subject site, existing development patterns, or adjacent land uses.

FINDING:

The applicant's narrative describes how the proposed site will be located in a fenced compound which itself is within a fully fenced industrial property, and that replacing asphalt with landscaping will reduce the amount of land usable for industrial purposes, but will not further reduce visual impacts of the tower, which is the stated purpose of the section.

Dallas Development Code section 2.4.030.B states that within the industrial zone, the approval body may decrease the standard setback yards / buffers through the conditional use permit process, provided that all applicable building and fire safety codes are met.

DDC.5.1.040.B.2. – The Variance is the minimum necessary to address the special or unique physical circumstances referenced above.

FINDING:

The applicant's narrative implies that landscaping is unnecessary, as by installing a site-obscuring fence around the tower the visual impact of the base station equipment has already been mitigated.

DDC.5.1.040.B.3. – The Variance conforms to the provisions of subsections 5.1.040.C. through 5.1.040.G, as applicable.

FINDING:

These subsections relate to variances of standards for vehicle access, street trees, parking and loading, setback yards, or transportation improvements, so this criterion does not apply.

DDC.5.1.040.B.4. – The Variance does not conflict with other applicable city policies or other applicable regulations.

FINDING:

Staff are not aware of other policies or regulations which the variance would conflict.

DDC.5.1.040.B.5. – The Variance will result in no foreseeable harm to adjacent property owners or the public.

FINDING:

The applicant's letter states that in the existing condition industrial storage is visible through the property perimeter fence, and with the variance this remains unchanged, resulting in no new harm.

Dallas City Council
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RECOMMENDED ACTION:

Staff recommends approval Variance application without conditions.
Staff recommends approval of the Conditional Use application with the following conditions:

1. The applicant shall obtain all required building permits and receive final inspection from the Dallas Building Department.

2. All mechanical and electrical equipment associated with the WCF shall be enclosed within the six-foot sight obscuring fence.

3. An Operational Certificate shall be provided within 45 days of final construction / installation.

4. An encroachment permit shall be obtained and the driveway approach replaced with an ADA accessible approach.

RECOMMENDED MOTION:

I move to approve the applications, subject to the conditions identified in the staff report.

EXHIBITS:

1. Notice of Public Hearing
2. Applicant's Narrative and Exhibits
3. Letter of Testimony - Rotaru
4. Letter of Testimony - Sutter

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To: Dallas Planning Department

187 SE Court St. Dallas Oregon, 97338 | 503-831-3570 | chase.ballew@dallasor.gov

03-01-2022

Dear Chase Ballew,

This letter is regarding the construction of a communications monopole on Taxmap 7.5.33DC Taxlot #1200. We are not okay with the construction of this tower. This neighborhood is not just an industrial zone but also a residential one as well. We live and have our house within 150ft of the proposed location and so do several of our neighbors. This tower would also be close to the High School and the Community college. Cell towers should not be next to residential areas where people live. Please reconsider the location of this project.

Sincerely,

Gheorghe & Brindusa Rotaru

759 SE Birch St.
Dallas, Oregon
97338

Gheorghe Rotaru
Brindusa Rotaru

Feb 26, 2022

Dallas Planning Department –

We are writing this letter in regard to the conditional use permit #CUP-22-01.

We are highly opposed to this measurement. The tower that Verizon Wireless is wanting to construct, we feel is too close to Dallas High School and Witworth Elementary School. This is also close to residential areas. We do hope that you will reconsider the location of this tower.

Thank you for reconsidering this matter.

Sincerely,

Marijo + Ron Sutter
14603 Forest Hill Drive
Monmouth, Oregon

P.S. We are in the Dallas School District

transcribed by city staff

Feb 26, 2022

Dallas Planning Department –

We are writing this letter in regard to the conditional use permit #CUP-22-01. We are highly opposed to this measurement. The tower that Verizon Wireless is wanting to construct, we feel is too close to Dallas High School and Whitworth Elementary School. This is also close to residential areas. We do hope that you will reconsider the location of this tower.

Thank you for reconsidering this matter.

Sincerely,
Marijo + Ron Sutter

14603 Forest Hill Dr., Monmouth, OR

P.S. We are in the Dallas School District

City of Dallas Planning Commission
In Person
187 SE Court Street, Dallas, OR
March 8, 2022 - 7:00 p.m.

MINUTES

~ EXCERPT FOR CITY COUNCIL APPEAL ~

CALL TO ORDER
President David Shein called the meeting to order at 7:01 p.m.

ROLL CALL
Commissioners Present:	Tory Banford, Andy Groh, John Swanson, David Shein, Carol Kowash, Chris Castelli, and John Schulte
Absent:	
Staff present:	City Attorney Lane Shetterly, Planner Chase Ballew, Recording Secretary Margie Pearce

APPROVAL OF MINUTES
Mr. Shein presented the minutes of the regular meeting of January 11, 2022. Commissioner Andy Groh moved to approve the minutes as presented and Commissioner John Swanson seconded the motion. The motion passed unanimously.

PUBLIC COMMENTS
Ms. Madison Avenue Rothchild expressed how kindness can go a long way. She stated that they should be ashamed of themselves because a few years ago a young man drown at the aquatic center and his mother was never reimbursed.

PUBLIC HEARING
CUP 22-01/VAR 22-01: Verizon Wireless Tower
APPLICANT: Shanin Pursia, representing Urban Wireless LLC

Mr. Shein opened the hearing at 9:34 pm.

STAFF REPORT:
Mr. Ballew presented the staff report with the use of a power point. He stated the tower is presently at another site that is slowly falling down and needs a new home. Mr. Groh asked which came first in regards to a home nearby or the zoning. Someone answered the house. Mr. Ballew said that the towers height was the main reason for the Conditional Use Permit and the VAR was for landscaping.

APPLICANT PRESENTATION:
Ms. Shanin Pursia, 10376 SE Sunburst Way, Happy Valley, OR 97086, spoke about the age and condition of the structure that the tower is currently on. The decision to move the tower was more cost effective then rebuilding the structure. She reminded the commissioners that Federal Communication Commission (FCC) made it illegal to use health hazard as a criteria.

ATTACHMENT D.2

TESTIMONY:
Ms. Madison Avenue Rothchild, 742 SE Birch Street, Dallas, OR 97338, stated that she did not think the area was the best place for a cell tower because her husband has an organic garden in the areas and we owe it to our children to be safe. Be Kind.

Kathleen Giesbretcht, 1414 SE Howe Street, Dallas, OR 97338, stated that her testimony was based on Health, but just wanted to let the commissioners know the tower is very close to schools and she feels her property will lose value because of the tower.

Britney Simms, 4568 Skyline Road SE, Salem, OR, 97306, shared her questions; what would the cost be to rebuild the existing site, what is the percentage of tower to the site area, and how many sites were considered?

REBUTTAL:
Ms. Prusia replied that 83% of millennials and 90% of households use cell phones. The cost to rebuild the structure is expensive and the company does not own it. They did extensive research and this one was the only viable location.

Mr. Shein closed the hearing at 10:12 pm

COMMISSIONER QUESTIONS AND DISCUSSION:
Mr. Castelli asked what government department rules the no health criteria. Mr. Ballew said FCC. Mr. Groh moved to approve the applications with conditions. Mr. Banford seconded the motion. With a roll call vote the decision was unanimous.

The meeting adjourned at 10:30 p.m.

Appeal: City of Dallas Notice of Decision

Application #: CUP-22-01 & VAR-22-01

Conducted Hearing Date: March 8, 2022

On the conducted hearing date, the Planning Commission held a public hearing on the application(s), and after deliberating voted to approve the request with conditions. The decision could be appealed to the City Council by (a) The applicant owner of the subject property; or (b) Any other person who participated in the proceeding by submitting oral or written comments. The following includes the appeal filing procedure in regard to *Content of Notice of Appeal*.

Decision Being Appealed:

"The Dallas Planning Commission hereby approves the Conditional Use Permit and landscaping Variance for the wireless communication facility..." (Dallas Commission, 22MAR8).

Standing to Appeal Statement:

We have standing to appeal due to:

- (b) Any other person who participated in the preceding by submitting oral or written comments.

Explanation: Statement Explaining the Specific Issues Being Raised on Appeal

Hedonic pricing is known to be a model that identifies price factors according to the premise that price is determined by both internal characteristics of the good being sold and the external factors affecting it (Bond, 2004). The importance of the model and its meaning is due to its impact when used to conduct a study on the effect of distance to cell phone towers on house prices as Sandy Bond, PhD, conducted in 2004. According to Bond (2004), the study involved an analysis of residential property sales transaction data. Furthermore, the result of the study determined that prices of properties decreased after a tower was built (Bond, 2004).

The issue being raised on appeal is that further consideration should be given before finalizing the decision to approve landscaping variance for the wireless communication facility. Bond found, in terms of the effect that proximity to a tower has on price, the overall results indicate that this is statistically significant and negative. Bond further states, generally the closer a property is to the tower, the greater decrease in price. The effect of proximity to a tower reduces price by 15% on average. This effect is reduced with distance from the tower and is negligible after 1000 ft.

The property of interest is in an industrial/residential area. There could be a possibility of a detrimental outcome with the initial decision of approval if a cost benefit analysis is not utilized to estimate the costs and benefits in relation to the property of interest. This is especially important for possible areas of residential expansion near schools and other educational facilities.

Based on the results of the study conducted by Bond (2004), the decrease of property near residential property, and well as possible residential expansion in close proximity to schools and other educational facilities, we request the commission to deny the approval of the Conditional Use Permit and landscaping Variance for the wireless communication facility.

Statement: Demonstrating that the appeal issues were raised...

B.T. Sims/4865 Skyline Rd Apt 201C/Salem, Or 97306
Chase Bellew * City Planner *planning@dallassor.gov

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The appeal issues were raised during the comment period as persons who participated in the proceeding by submitting oral or written comments expressed concern over the residents living near the property of interest.

Another issue that was raised were the three questions asked to the representative by a participating appellant. The representative did not satisfy the questions with the answer that was provided.

Those questions included:

- How many sites were determined to be usable locations? The representative did not specify the number of sites determined to be usable locations.
- In terms of percentage, how much would the proposed tower consume? The representative did not specify how much land in total if provided a percentage the proposed tower would consume.
- The representative did not specify the cost of repair if the current grain elevators being used at the wireless company's current tower, were given maintenance.

As a result, we request the commission to deny the approval of the Conditional Use Permit and landscaping Variance for the wireless communication facility.

Resources:

Bond, S. "The Effect of Distance to Cell Phone Towers on House Prices in Florida". *The Appraisal Journal.* (Fall, 2007).

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HATHAWAY LARSON
Koback · Connors · Heth

April 12, 2022

VIA EMAIL

City Council
c/o Chase Ballew, City Planner
City of Dallas
187 SE Court Street
Dallas, OR 97338

Re: Response to Appeal
Application Nos. CUP-22-01 & VAR-22-01
Verizon Wireless – Monopole Wireless Communication Facility

Dear Mayor & Councilors:

This firm represents Verizon Wireless ("Verizon"), the applicant for the above-referenced application (the "Application") for a monopole wireless communication facility that will replace an existing communication facility located on a failing grain elevator. We are submitting this letter in response to B.T. Sims' (the "Appellant") appeal of the Planning Commission's unanimous decision approving the Application. Given that the appeal is an on-the-record appeal under Dallas Development Code ("DDC") 4.1.040(F)(3) & (4), this letter relies on evidence already in the record and does not contain any new evidence. For the reasons set forth in this letter, Verizon requests that you deny the appeal and approve the Application subject to the Planning Commission's decision and recommended conditions of approval.

A. Background.

Verizon currently operates a site on the grain elevator located at 1381 SE Jefferson Street in Dallas, OR that needs to be replaced. The grain elevator is constructed of wood and sided in sheet metal. Over the years, the upper portion of the grain elevator has deteriorated such that it can no longer support the weight of the antennas. Verizon is unable to structurally upgrade the grain elevator to meet current building code standards and the underlying zoning for that property does not allow for a free-standing communication tower because the property is within 300 feet of a Residential zoned district. Therefore, Verizon was required to find a replacement location to be able to continue providing Verizon customers with data and voice services in this area.

E. Michael Connors
1331 NW Lovejoy Street, Suite 950
Portland, OR 97209
mike@hathawaylarson.com
(503) 303-3111 direct
(503) 303-3101 main

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The replacement site is located at 1500 NE Howe Street (the "Property"). The Property is zoned Industrial and currently used for industrial equipment storage and trailer storage. The Property is surrounded by industrial zoned properties on all sides. The proposed facility includes a 120' monopole, with base station equipment and emergency generator. A site obscuring fence has been proposed at the base of the tower.

The Planning Commission held a public hearing on March 8, 2022 to consider the Application. The City Staff recommended approval of the Application subject to conditions of approval. After considering the Staff Report and public testimony, the Planning Commission voted unanimously to approve the Application subject to the conditions of approval recommended by the City Staff.

B. Response to Appeal.

The City Council's scope of review for the appeal is governed by DDC 4.1.040(F). The appeal is a limited to the Planning Commission's record below and new evidence is not permitted to be submitted on appeal. DDC 4.1.040(F)(3) & (4)(c). The appeal is limited to the specific issues raised in the notice of appeal. DDC 4.1.040(F)(4)(d). The appellant (B.T. Sims) has the burden of proof and persuasion on appeal. DDC 4.1.040(F)(4)(e).

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The appeal raises two issues. First, the Appellant argues that the Application should be denied because it purportedly will decrease property values of residential properties in the surrounding area. Second, the Appellant argues that the Application should be denied because Verizon purportedly did not answer three questions raised at the Planning Commission hearing. As explained below, these two issues are not relevant to the approval criteria for the Application and therefore should be rejected.

1. The purported impacts on property values are not relevant to the approval criteria or substantiated in this case.

The City cannot consider a wireless communication facility's impact on surrounding property values unless there is a specific requirement in the local code to do so. *Hill v. City of Portland*, 66 Or LUBA 250, 258-59 (2012). There is nothing in DDC 3.5.060 (Wireless Communication Facility Development Standards) or any other City code provisions that require the consideration of impacts on property values. Therefore, the approval standards do not allow for consideration of impacts on residential property values.[1]

Even if the City code did allow the consideration of impacts on property values, there must be specific evidence demonstrating that the proposed wireless communication facility will have a negative impact on the property values in this particular location. *Johnson v. City of Eugene*, 42 Or LUBA 353, 366-67 (2002). Generalized claims of impacts on property values are insufficient. *Id.* The Appellant relies exclusively on a 2004 general study that obviously does

[1] The City code does ensure that a new wireless communication facility is not sited within any Residential district, or within 300 feet of any Residential district. DDC 3.5.050. The proposed facility in this case is more than 300 feet from any Residential districts.

not consider the specific impacts in this case. Therefore, this general study could not be used as an evidentiary basis to justify impacts on property values even if the City code permitted consideration of such impacts.

Since the impact on property values is not relevant to the approval criteria and the Appellant failed to demonstrate there will be any such impacts, the City Council should reject this appeal ground.

2. The Appellant's questions are not relevant to the approval criteria and have already been adequately addressed in the Application material.

The Appellant argues that the Application should be denied because Verizon purportedly did not answer the following three questions raised at the Planning Commission hearing: (1) how many sites were determined to be usable locations; (2) what percentage of the property will the proposed tower consume; and (3) what is the cost of repairing the grain elevator to support the existing facility? The Application must be reviewed based on the relevant approval standards and criteria in the City's code. ORS 227.178(3). These questions do not provide a basis for denying the Application because none of the requested information is relevant to the approval criteria.

It is not relevant how many sites Verizon considered for the new wireless communication facility because the City code does not require the applicant to consider multiple sites or justify the proposed site. Even if it was relevant, the proposed wireless communication facility is appropriate for the Property because it is zoned industrial, has an existing industrial use on it and is surrounded by industrially zoned properties. Wireless communication facilities are allowed as conditional uses in the Industrial zone. DDC 2.4.020.

The percentage of the property that will be consumed by the wireless communication facility is not relevant because the City code does not require the applicant to provide that information or satisfy a maximum/minimum percentage. Regardless, the Application and Staff Report provide sufficient information for the Appellant to determine the percentage. As noted in the Staff Report, the Property is one acre (43,560 sf) and the proposed wireless communication facility will occupy 600 sf. Staff Report, p.2.

The cost of repairing the grain elevator is not relevant for two reasons. First, Verizon is unable to structurally upgrade the grain elevator to meet current building code standards and therefore it is not possible to repair the grain elevator. Application Narrative, p.2. Second, the cost of repairing the grain elevator is not relevant to the approval criteria.

Since the City Council cannot deny the Application based on the answers to these questions and the Application material already addresses most of these questions, the City Council should reject this appeal ground.

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C. Conclusion.

For the reasons set forth above, the City Council should deny the appeal and affirm the Planning Commission's decision approving the Application. We look forward to addressing these issues further at the appeal hearing. We appreciate your time and consideration of this matter.

Very truly yours,

HATHAWAY LARSON LLP

/s/
E. Michael Connors

EMC/ph
cc: Verizon
Urban Wireless Inc.

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CITY OF DALLAS
NOTICE OF PUBLIC HEARING

Conditional Use Permit #CUP-22-01 - Variance #VAR-22-01

You are receiving this notice because you own property within 150 feet of the subject property. If you wish to submit comments in response to this proposal, then instructions are provided below.

PROPERTY LOCATION:	Taxmap 7.5.33DC Taxlot #1200 – (See map on reverse)
APPLICANT:	Verizon Wireless (Represented by Urban Wireless Inc.)
NATURE OF REQUEST:	A conditional use approval to relocate an existing communications site to a new 120' monopole, with base station equipment and emergency generator. Includes request for variance to landscaping requirements.
APPLICABLE CRITERIA:	DDC Chapter 4.4.040.A – Conditional Uses DDC Chapter 5.1.040.B – Class B Variances
HEARING DATE / TIME:	7:00 p.m. Tuesday, March 8, 2022
HEARING LOCATION:	**In Person:** Dallas City Hall, 187 SE Court Street, Dallas, Oregon **Telephone:** +1 253 215 8782 . . . . . Passcode: **213 855 0622** **Watch Online:** www.dallasor.gov/community/page/dallasyoutube
CITY STAFF CONTACT:	Chase Ballew, City Planner Phone: 503-831-3570 chase.ballew@dallasor.gov TDD: 503-623-7355

At the above day and time the Dallas Planning Commission will hold a public hearing on the application from Urban Wireless Inc, on behalf of Verizon Wireless, for a Conditional Use permit to allow for the construction of a new monopole cell tower in the industrial zone, with a Variance to landscaping requirements.

You may attend this meeting in-person at Dallas City Hall. Attendees are required to wear masks while in the building. You may also participate by telephone by dialing the number above and entering the passcode when prompted. Video of the proceedings will be broadcast live at the website above, but oral testimony must be in-person or by phone.

The Planning Commission will consider testimony which addresses the applicable criteria listed above. Testimony may be submitted in advance by writing to the Dallas Planning Department, 187 SE Court Street, Dallas, Oregon 97338, or given orally during the public hearing. The public hearing will be conducted in a manner that permits testimony from all interested parties.

At least seven days prior to the hearing the staff report, the application and documents and evidence submitted by or on behalf of the applicant, and the applicable approval criteria will be available for review online at www.dallasor.gov/meetings or in person at Dallas City Hall. Upon request, copies will be made at reasonable cost.

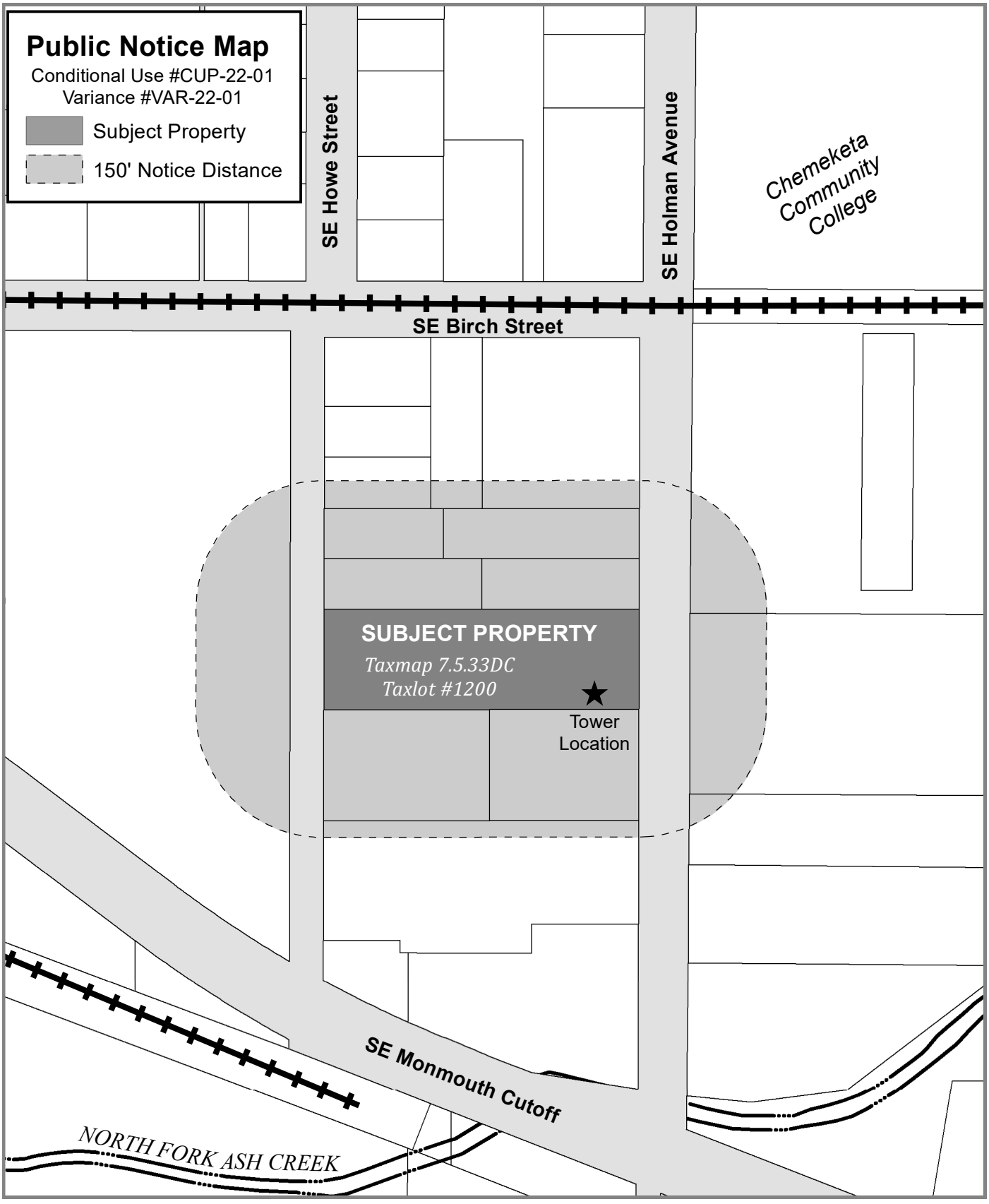
Failure of an issue to be raised in a hearing, in person or by letter, or failure to provide statements or evidence sufficient to afford the decision maker an opportunity to respond to the issue precludes appeal to the Land Use Board of Appeals (LUBA) based on that issue.

City Hall is accessible to persons with disabilities. Requests for reasonable accommodations must be made at least 48 hours in advance.

Dated: February 16, 2022

NOTICE TO MORTGAGEE, LIENHOLDER, VENDOR, OR SELLER, ORS 215 REQUIRES THAT IF YOU RECEIVE THIS NOTICE IT MUST BE PROMPTLY FORWARDED TO THE PURCHASER.
The recipient of this notice is hereby responsible to promptly forward a copy of this notice to every person with a documented interest, including a renter or lessee.

ATTACHMENT G.2



Conditional Use Permit Application
Dallas Planning Department

Official Use Only:
File No.:_____
Date:_____
Fee:_____ ☐PAID

There are certain uses, which, due to the nature of their impacts on surrounding land uses and public facilities, require a case-by-case review and analysis. These are identified as "Conditional Uses." The purpose of a conditional use permit is to provide standards and procedures under which a conditional use may be permitted, enlarged or altered if the site is appropriate and if other appropriate conditions of approval can be met. An application for a new conditional use permit is processed as a Type III procedure (DDC 4.1.010). Modifications to approved or existing conditional uses shall be processed in accordance with DDC Chapter 4.6 – Modifications. A pre-application conference is required before a conditional use permit application is submitted.

Please return a completed application form with attachments, and the required fee to the Dallas Planning Department, Dallas City Hall, Second Floor, 187 SE Court Street, Dallas, Oregon 97338.

Section 1 – Applicant Information

Name(s): Verizon Wireless C/O Shanin Prusia, Urban Wireless Inc.

Mailing Address: 10376 SE Sunburst Way, Happy Valley, OR 97086

Email: shanin@urbanwirelessinc.com Phone Number: NA Cell Number: 503-720-7295

Section 2 – Property Owner Information (If not applicant)

Property Owner(s): Robert (Bob) Evans

Mailing Address: 1369 SE Hawthorne Ave, Dallas, OR 97338

Email: bob@nhts.com Phone Number: _____ Cell Number: 503-910-2344

Section 3 – Project Description

Please describe your project: Relocate existing Verizon site from structurally failing grain elevator to new 120' monopole tower with base station equipment cabinets and emergency generator.

Site Address: No Site Address (1500 SE Howe?) Total Land Area: 1.0 Acre

Assessor Map/Taxlot No. 07533DC01200 / #149824 Zoning: IND - Industrial

Present Use of Property: RV Storage

Section 4 – Application Submittal Information

Please submit one electronic copy (PDF format preferred) and one paper copy of the information listed below:

- ✓ Completed application form;
- ✓ Required fee;
- ✓ Written narrative that addresses the relevant criteria found in DDC Section 4.4.040 (see also Section 6, page 3);
- ✓ Existing site conditions map;
- ✓ Preliminary grading plan;
- ✓ A copy of all existing and proposed restrictions or covenants;
- ✓ Drawings of all proposed signs;

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Section 5 – Signatures Required

I hereby certify the statements contained herein, along with the evidence submitted, are in all respects true and correct to the best of my knowledge:

PROPERTY OWNER(S): See Attached Date: _____

_____ Date: _____

APPLICANT(S) Shanin Prusia Date: 1/11/22

(on behalf of Verizon Wireless) Date: _____

Section 6 – Application Review Criteria

Approval Criteria. An application for a Conditional Use Permit shall be approved if the proposal meets all of the following criteria. The City decision making body may, in approving the application may impose reasonable conditions of approval, consistent with the applicable criteria.

1. The site size, dimensions, location, topography and access are adequate for the needs of the proposed use, considering the proposed building mass, parking, traffic, noise, vibration, exhaust/emissions, light, glare, erosion, odor, dust, visibility, safety, and aesthetic considerations;

2. The negative impacts of the proposed use on adjacent properties and on the public can be mitigated through application of other Code standards, or other reasonable conditions of approval; and

3. All required public facilities have adequate capacity to serve the proposal.

The Site Design Review approval criteria (DDC Section 4.2.060) shall also be met. The Planning Official may waive the application requirements for Site Design Review upon determining that the Conditional Use Permit application provides sufficient information to evaluate the proposal.

Additional criteria and requirements apply for Wireless Communication Facilities (see DDC Chapter 3.5) and Drive-up/Drive-through uses (See DDC Section 2.3.100).

Section 7 – Review and Approval

Official Use Only:

☐ Approved ☐ Denied Reason for Denial: _____

Address Modification Required: ☐ Yes ☐ No

If yes, ☐ Add ☐ Remove _____ (Address)

Staff Signature: _____

Date: _____

Dallas City Council
4/18/2022
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Variance Application
Dallas Planning Department
Development Code Class B, Type III Review

Official Use Only:
File No.:_____
Date:_____
Fee: _____ ☐PAID

A Class B, Type III Variance is a discretionary review conducted by the Planning Commission with a public hearing. A variance is a request to modify development standards that are not otherwise permitted elsewhere in the Dallas Development Code as exceptions to code standards. The variance procedure provides flexibility to recognize varied geographic and other complexities of land development, while maintaining the purpose and intent of the Development Code. The variance procedures provide relief from specific code provisions when they have the unintended effect of preventing reasonable development in conformance with other codes. A pre-application conference is required before an application is submitted. To request a Class B Variance, please return this application form with attachments, and the required fee to the Dallas Planning Department, Dallas City Hall, Second Floor, 187 SE Court Street, Dallas, Oregon 97338.

Section 1 – Applicant Information

Name(s): Verizon Wireless C/O Shanin Prusia, Urban Wireless Inc.

Mailing Address: 10376 SE Sunburst Way, Happy Valley, OR 97086

Email: shanin@UrbanWirelessInc.com Phone Number: 503-720-7295 Cell Number: 503-720-7295

Section 2 – Property Owner Information (If not applicant)

Property Owner(s): Robert (Bob) Evans

Mailing Address: 1369 SE Hawthorne Ave, Dallas, OR 97338

Email: bob@nhts.com Phone Number: _____ Cell Number: 503-310-2344

Section 3 – Project Description

Please describe your project: Reduce required 10' landscape buffer to 0' due to proposed development location on interior of parcel and in industrial zone.

Site Address: No Site Address (1500 SE Howe?) Total Land Area: 1.0 Acre

Assessor Map/Taxlot No. 07533DC01200 / #149824 Zoning: IND - Industrial

Present Use of Property: RV Storage

Section 4 – Application Submittal Information

Please submit one electronic copy (PDF format preferred) and one paper copy of the information listed below.

- ☑ Application Form.
- ☑ Application Fee.
- ☑ Property Deed and all existing and proposed restrictions or covenants, including those for access control.
- ☐ Narrative that addresses the relevant criteria in sufficient detail for review and decision-making (see Section 6, page 3).
- ☐ Traffic Impact Analysis when required, shall be prepared in accordance with the road authority's requirements. See Section 4.1.090, and Section 3.4.010 for relevant standards. NA

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- ☐ Proposed Site Plan. The site plan shall contain the following information:
  - ☐ The proposed development site, including boundaries, dimensions, and gross area;
  - ☐ Features identified on the existing site analysis maps that are proposed to remain on the site;
  - ☐ Features identified on the existing site map, if any, which are proposed to be removed or modified by the development;
  - ☐ The location and dimensions of all proposed public and private streets, drives, rights-of-way, and easements;
  - ☐ The location and dimensions of all existing and proposed structures, utilities, pavement and other improvements on the site. Setback dimensions for all existing and proposed buildings shall be provided on the site plan;
  - ☐ The location and dimensions of entrances and exits to the site for vehicular, pedestrian, and bicycle access;
  - ☐ The location and dimensions of all parking and vehicle circulation areas (show striping for parking stalls and wheel stops);
  - ☐ Pedestrian and bicycle circulation areas, including sidewalks, internal pathways, pathway connections to adjacent properties, and any bicycle lanes or trails;
  - ☐ Loading and service areas for waste disposal, loading and delivery;
  - ☐ Outdoor recreation spaces, common areas, plazas, outdoor seating, street furniture, and similar improvements;
  - ☐ Location, type, and height of outdoor lighting;
  - ☐ Location of mail boxes, if known;
  - ☐ Name and address of project designer, if applicable;
  - ☐ Locations of bus stops and other public or private transportation facilities;
  - ☐ Locations, sizes, and types of signs
- ☐ Architectural drawings. Architectural drawings showing one or all of the following shall be required for new commercial, commercial/residential, industrial and multifamily buildings, and major remodels of the same:
  - ☐ Building elevations (as determined by the City Planning Official) with building height and width dimensions;
  - ☐ Building materials, colors and type;
  - ☐ The name of the architect or designer.
- ☐ Landscape plan. Where a landscape plan is required, it shall show the following:
  - ☐ The location and height of existing and proposed fences, buffering or screening materials;
  - ☐ The location of existing and proposed terraces, retaining walls, decks, patios, shelters, and play areas;
  - ☐ The location, size, and species of the existing and proposed plant materials (at time of planting);
  - ☐ Existing and proposed building and pavement outlines;
  - ☐ Specifications for soil at time of planting, irrigation if plantings are not drought-tolerant (may be automatic or other approved method of irrigation) and anticipated planting schedule;
  - ☐ Other information as deemed appropriate by the City Planning Official. An arborist's report may be required for sites with mature trees that are protected under Chapter 3.2. Landscape, Street Trees, Fences and Walls of this Code.
- ☐ Other information determined by the City Planning Official. The City may require studies or exhibits prepared by qualified professionals to address specific site features or project impacts (e.g., traffic, noise, environmental features, natural hazards, etc.), in conformance with this Code.

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4/18/2022
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Section 5 – Signatures Required

I hereby certify the statements contained herein, along with the evidence submitted, are in all respects true and correct to the best of my knowledge:

PROPERTY OWNER(S)

Property Owner's Signature: See Attached Date: _____

Property Owner's Signature: _____ Date: _____

APPLICANT(S)

Applicant's Signature: [signature], on behalf Date: 1/11/22

Applicant's Signature: of Verizon Wireless Date: _____

Section 6 – Application Review Criteria

Approval Criteria. A Class B Variance may be approved only upon finding it meets all of the following criteria:

1. The variance is necessary because the subject Code provision does not account for special or unique physical circumstances of the subject site, existing development patterns, or adjacent land uses.
2. The variance is the minimum necessary to address the special or unique physical circumstances referenced in subsection 5.1.040B (1).
3. The variance conforms to the provisions of subsections 5.1.040C through 5.1.040G, as applicable.
4. The variance does not conflict with other applicable City policies or other applicable regulations.
5. The variance will result in no foreseeable harm to adjacent property owners or the public.

The City decision making body may, in approving the application may impose reasonable conditions of approval, consistent with the applicable criteria.

Note: Compliance with other City codes and requirements, though not applicable land use criteria, may be required prior to issuance of building permits.

Dallas City Council
4/18/2022
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Section 5 – Signatures Required

I hereby certify the statements contained herein, along with the evidence submitted, are in all respects true and correct to the best of my knowledge:

PROPERTY OWNER(S)

Property Owner's Signature: _____ Date: Nov 11, 2021

Property Owner's Signature: _____ Date: Nov 11, 2021

APPLICANT(S)

Applicant's Signature: _____ Date: _____

Applicant's Signature: _____ Date: _____

Section 6 – Application Review Criteria

Approval Criteria. A Class B Variance may be approved only upon finding it meets all of the following criteria:

1. The variance is necessary because the subject Code provision does not account for special or unique physical circumstances of the subject site, existing development patterns, or adjacent land uses.
2. The variance is the minimum necessary to address the special or unique physical circumstances referenced in subsection 5.1.040B (1).
3. The variance conforms to the provisions of subsections 5.1.040C through 5.1.040G, as applicable.
4. The variance does not conflict with other applicable City policies or other applicable regulations.
5. The variance will result in no foreseeable harm to adjacent property owners or the public.

The City decision making body may, in approving the application may impose reasonable conditions of approval, consistent with the applicable criteria.

Note: Compliance with other City codes and requirements, though not applicable land use criteria, may be required prior to issuance of building permits.

PROJECT SCOPE

1. PROPOSED INSTALLATION OF A TELECOMMUNICATIONS FACILITY ON AN EXISTING PARCEL FOR VERIZON.
2. PROPOSED INSTALLATION OF THE FOLLOWING VERIZON EQUIPMENT ON MONOPOLE:
   * (3) (E) (RELOCATED) BXA-70080-8CF
   * (2) (N) NHH-65C-R2B
   * (3) (N) AIR6449
   * (4) (N) MX06FRO860-02
   * (3) (N) RRUS4449
   * (3) (N) RRUS8843
   * (1) (N) OVP12
   * (1) (N) HYBRID CABLE
   * (6) (E) (RELOCATED) COAX CABLES
3. PROPOSED INSTALLATION OF THE FOLLOWING VERIZON EQUIPMENT ON THE GROUND:
   * (2) (N) EQUIPMENT CABINETS ON NEW CONC. PAD
   * (1) (N) OVP
   * (1) (N) GPS ANTENNA
   * (1) (N) DIESEL GENERATOR
3. PROPOSED 120.0' AGL MONOPOLE.
4. PROPOSED INSTALLATION OF NEW 200A ELECTRICAL SERVICE, AND FIBER SERVICE.

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

CONSTRUCTION DRAWINGS

SHEET INDEX

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

PROJECT CONTACTS

APPLICANT:
VERIZON WIRELESS
5430 NE 122ND AVE
PORTLAND, OR 97230

PROPERTY OWNER:
ROBERT EVANS TRUST
1500 SE HOWE ST
DALLAS, OR 97338

SITE ACQUISITION AGENT:
URBAN WIRELESS, INC.
10376 SE SUNBURST WAY
HAPPY VALLEY, OR 97086
SHANIN PRUSIA
PH: 503.720.7295

ZONING/PERMITTING AGENT:
URBAN WIRELESS, INC.
10376 SE SUNBURST WAY
HAPPY VALLEY, OR 97086
SHANIN PRUSIA
PH: 503.720.7295

RF ENGINEER:
VERIZON WIRELESS
5430 NE 122ND AVE
PORTLAND, OR 97230
PREETI PATHANJALI

CONSTRUCTION MANAGER:
VERIZON WIRELESS
5430 NE 122ND AVE
PORTLAND, OR 97230
NATE KUHNS

SURVEYOR:
AMBIT CONSULTING, LLC
PATRICK B. DONOHOE, PLS
PH: 562.706.0621
patdonohoe@ambitconsulting.us

ENGINEER OF RECORD:
VECTOR STRUCTURAL ENGINEERING
651 W. GALENA PARK BLVD., SUITE 101
DRAPER, UT 84020
WELLS L. HOLMES, SE
PH: 801.990.1775

Know what's below.
Call before you dig.

PROJECT INFORMATION

SITE NAME:	SLM DALLAS RELO
ADDRESS:	1500 SE HOWE STREET DALLAS, OR 97338
JURISDICTION:	CITY OF DALLAS
PARCEL #:	07533DC01200
ZONING:	IND - INDUSTRIAL
SETBACKS:	20' (FRONT) 10' (REAR) 20' (SIDE)
LATITUDE:	44.914072° (44° 54' 50.66" N)
LONGITUDE:	-123.305464° (123° 18' 19.67" W)
SOURCE:	SURVEY
GROUND ELEVATION:	303.8'
(N) OR (E) STRUCTURE HEIGHT:	120.0' AGL
(N) VERIZON GROUND LEASE AREA:	600 SQ FT SQ FT
OCCUPANCY:	U
GROUP:	II-B

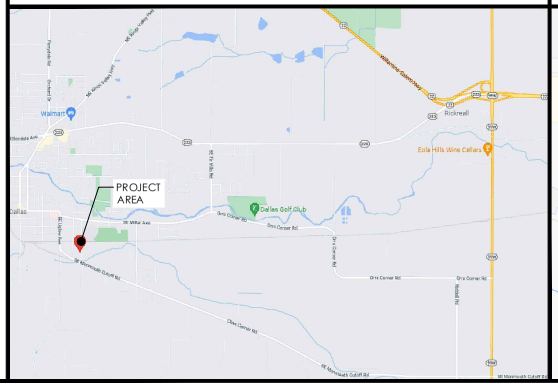
DRIVING DIRECTIONS

FROM VERIZON OFFICE IN PORTLAND, OREGON:

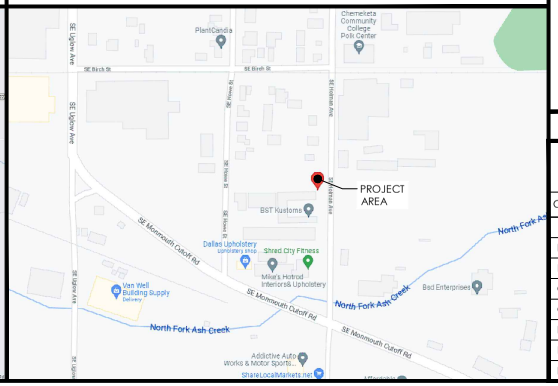
1. GET ON I-205 S FROM NE AIRPORT WAY
2. FOLLOW I-205 S AND I-5 S TO OR-99EBUS S/SALEM PKWY IN KEIZER. TAKE EXIT 260A FROM I-5 S
3. CONTINUE ONTO OR-99EBUS S/SALEM PKWY
4. CONTINUE ONTO COMMERCIAL ST NE
5. USE THE 2ND FROM THE RIGHT LANE TO TURN RIGHT ONTO MARION ST NE
6. CONTINUE ONTO OR-22 W/MARION ST BRIDGE
7. USE THE LEFT 2 LANES TO TURN SLIGHTLY LEFT TO STAY ON OR-22 W
8. SLIGHT LEFT ONTO OR-223 S
9. TURN LEFT ONTO SE FIR VILLA RD
10. TURN RIGHT ONTO SE MILLER AVE
11. TURN LEFT ONTO SE HOLMAN AVE

TOTAL MILES: 73.5 MILES
TOTAL TIME: 1 HOUR, 24 MINUTES

VICINITY MAP



LOCALIZED MAP



GOVERNING CODES

2019 OREGON STRUCTURAL SPECIALTY CODE
2021 OREGON ELECTRICAL SPECIALTY CODE
2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE
2019 MECHANICAL SPECIALTY CODE
2019 OREGON FIRE CODE
2018 INTERNATIONAL BUILDING CODE

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

APPROVALS

FINAL CONSTRUCTION DRAWINGS SIGN-OFF

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

CONSULTANT/PRINTED NAME	SIGNATURE	DATE
SITE ACQ.:		
PERMITTING:		
RF MGR:		
CONST. MGR:		
OPS. MGR:		
PROJ. MGR:		
REG. REVIEW:		
DEV. MGR:		

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OLYMPIA, WA 98506
360.915.6750
WWW.CAPITALDESIGNSERVICES.COM

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CHECKED BY: GS

DRAWING VERSION

VER.	DATE	DESCRIPTION
1	12/13/21	PRELIM CONST. DRAWINGS
2	01/04/22	CLIENT COMMENT

LICENSER

PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

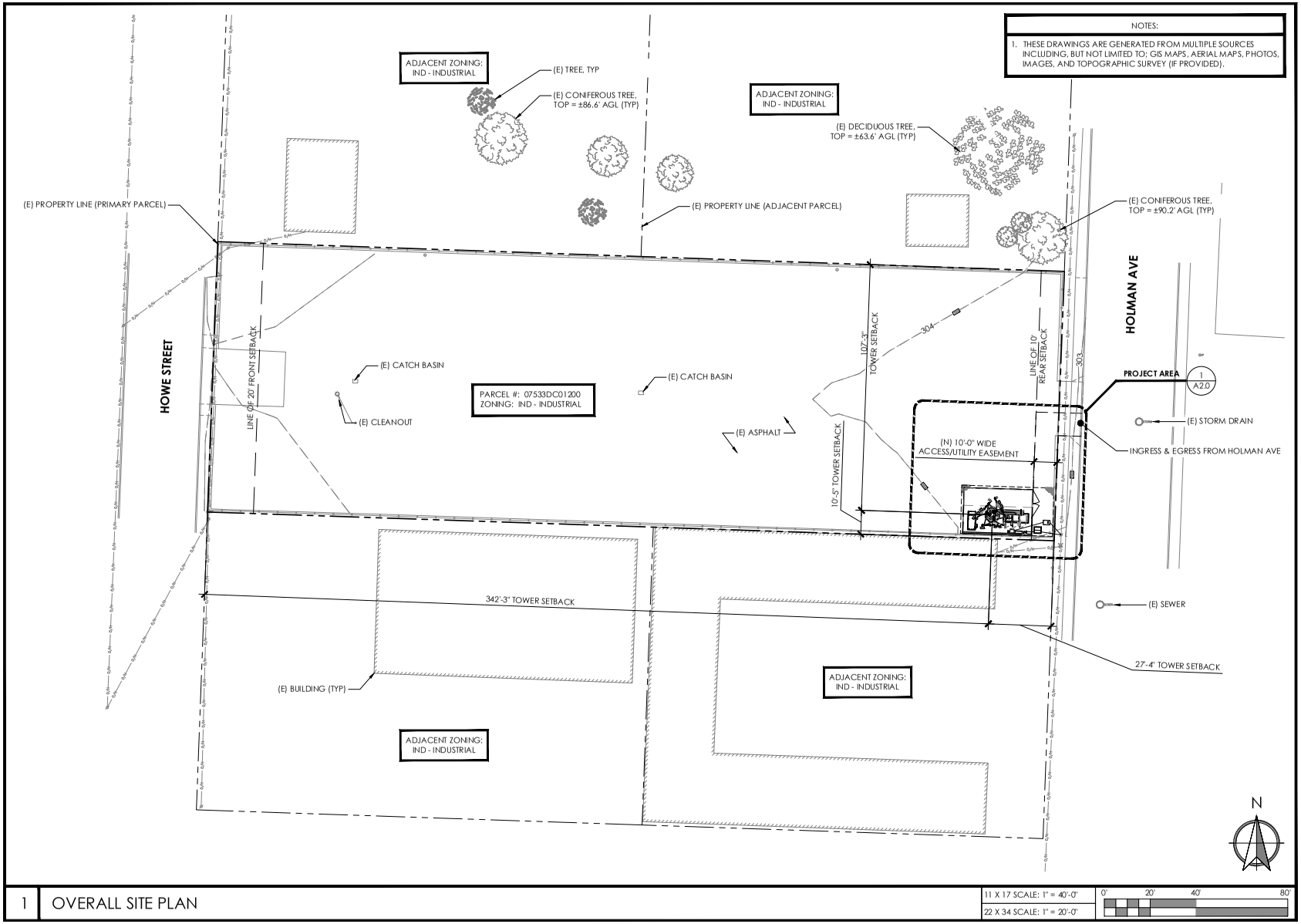
TITLE SHEET

SHEET NO.

T1.0

ATTACHMENT G.9

FILE PATH: I:\AE\...\VERIZON\OR\DALLAS RELO\SLM Dallas Relo PCD 01-04-22 REV1



1 OVERALL SITE PLAN

11 X 17 SCALE: 1" = 40'-0"
22 X 34 SCALE: 1" = 20'-0"

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SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

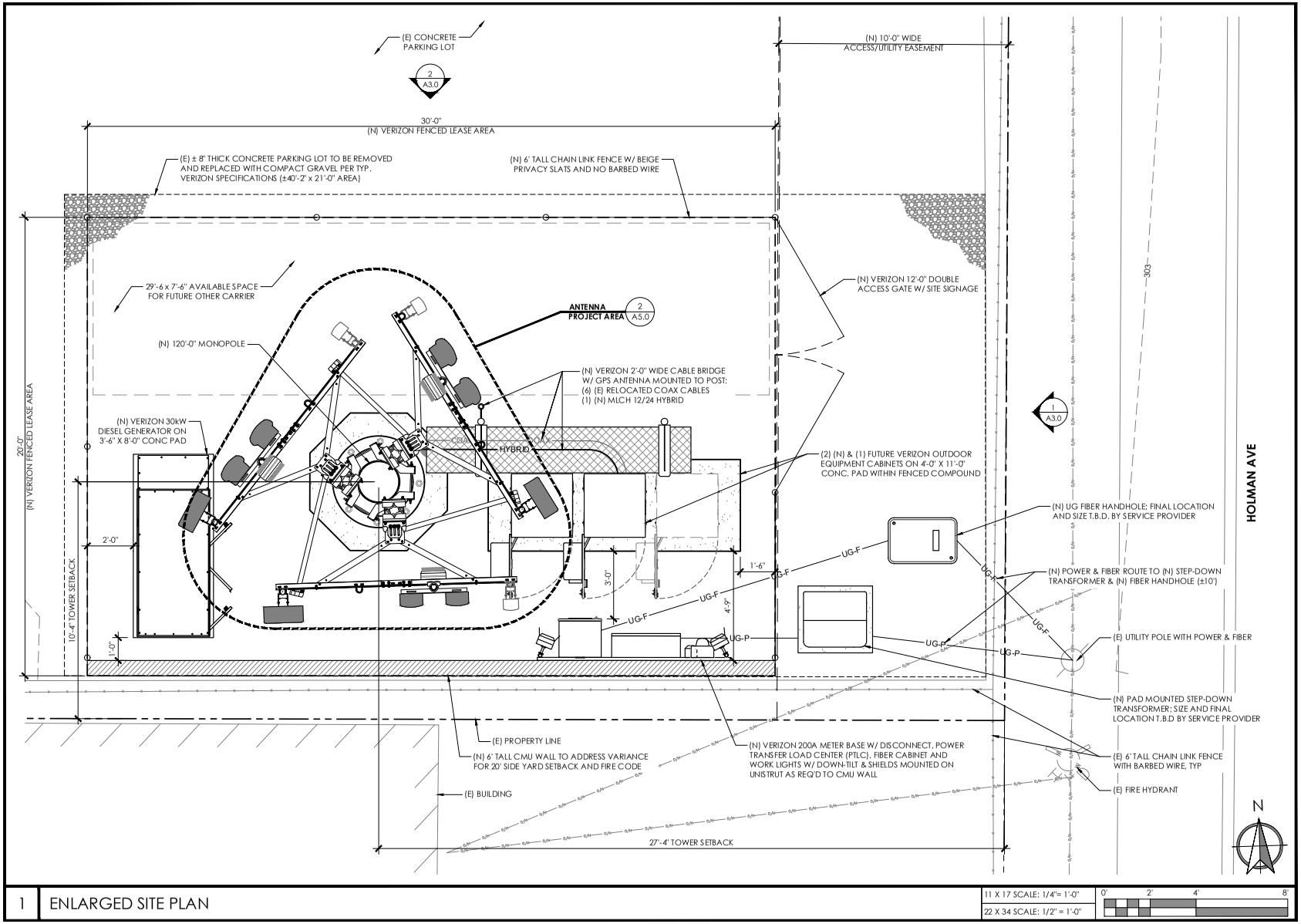
SHEET TITLE

OVERALL SITE PLAN

SHEET NO.

A1.0

ATTACHMENT G.10



1 ENLARGED SITE PLAN

11 X 17 SCALE: 1/4"= 1'-0"
22 X 34 SCALE: 1/2" = 1'-0"
0' 2' 4' 8'

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PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

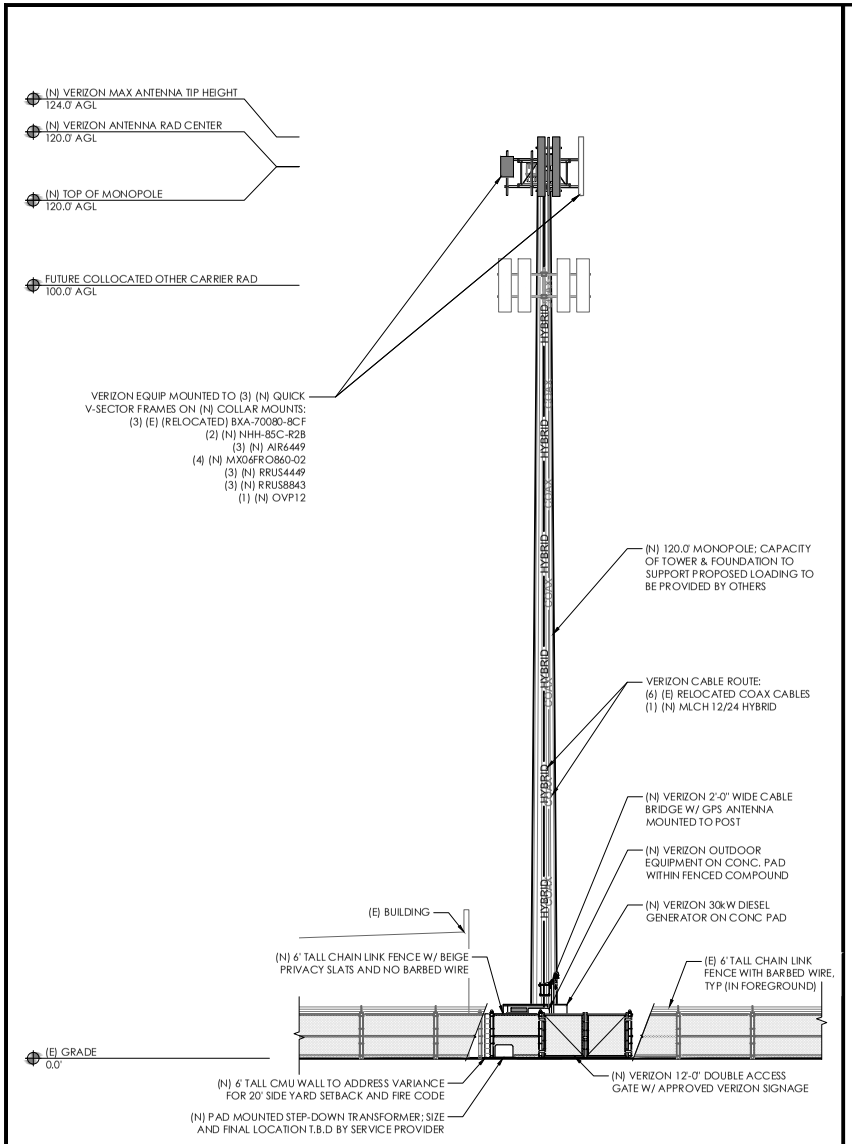
SHEET TITLE

ENLARGED SITE PLAN

SHEET NO.

A2.0

ATTACHMENT G.11



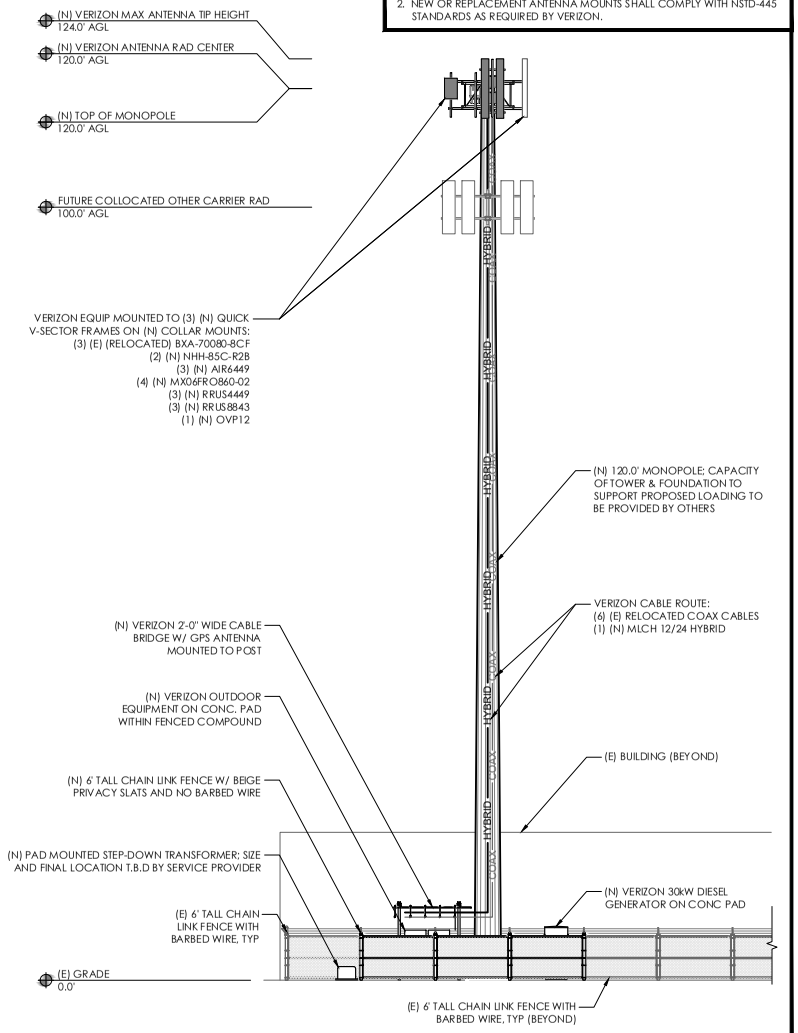
1 EAST ELEVATION

11X17 SCALE: 1/16" = 1'-0"
22 X 34 SCALE: 1/32" = 1'-0"

0' 8' 16' 32'

NOTES:

1. THE PROJECT CM / PM TO VERIFY ANY REQUIRED PAINTING REQUIREMENTS FOR PROPOSED TOWER, ANTENNAS, ANCILLARY EQUIPMENT, CABLES, AND HARDWARE PRIOR TO ORDERING / INSTALLING EQUIPMENT.
2. NEW OR REPLACEMENT ANTENNA MOUNTS SHALL COMPLY WITH NSTD-445 STANDARDS AS REQUIRED BY VERIZON.



2 NORTH ELEVATION

11X17 SCALE: 1/16" = 1'-0"
22 X 34 SCALE: 1/32" = 1'-0"

0' 8' 16' 32'

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PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

ELEVATIONS

SHEET NO.

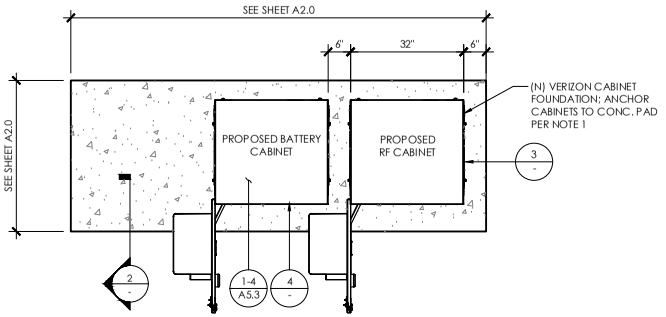
A3.0

ATTACHMENT G.12

VERIZON EQUIPMENT SPECIFICATIONS		
EQUIPMENT	DIMENSIONS (H x W x D)	MAX. WEIGHT
CHARLES - CUBE PM63915TN1 RF CAB	74.1" x 32.2" x 32.2"	TBD LBS
CHARLES - CUBE BB48E2XVA BATTERY CAB	73.97" x 32.0" x 32.0"	TBD LBS

NOTES:

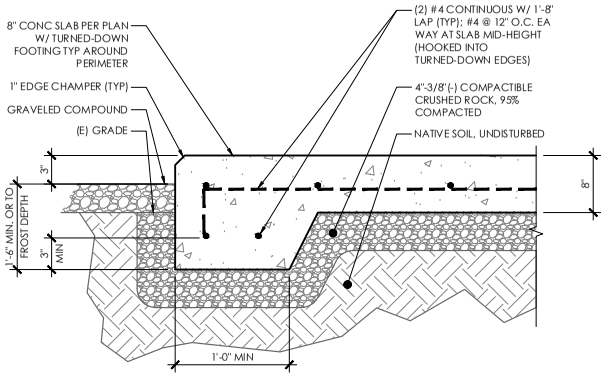
1. FOR ATTACHMENT OF (N) EQUIPMENT CABINETS TO CONCRETE PAD, USE (4) 1/2" Ø HILTI KWIK BOLT - TZ STAINLESS STEEL EXPANSION ANCHORS W/ 3-1/4" MINIMUM EMBEDMENT EACH CORNER OF CABINET, SEE EQUIPMENT SPECIFICATIONS FOR LOCATIONS AND VERIFY W/ MANUFACTURER'S SPECIFICATIONS.
2. CONDUIT STUB UP LOCATIONS FOR ELECTRICAL, FIBER AND GENERATOR TO BE DETERMINED BY VERIZON WIRELESS REPRESENTATIVE / CONTRACTOR.
3. CONFIRM FINAL CONDUIT LAYOUT WITH CONSTRUCTION MANAGEMENT/VERIZON WIRELESS.



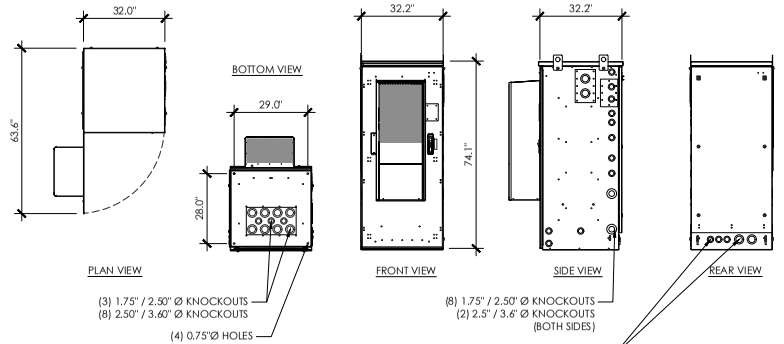
1 CABINET LAYOUT — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

NOTES:

1. SEE STRUCTURAL CONCRETE NOTES, SHEET GN2.0.
2. SLOPE CONCRETE 1/4" PER FOOT MININUM.
2. VERIFY EQUIPMENT CABINET SPECIFICATIONS FOR MOUNTING HOLE LOCATIONS.
3. MINIMUM OF 2" COVER AT TOP OF SLAB, AND 3" WHERE CONCRETE IS IN CONTACT W/ SOIL.
4. SOIL SHALL BE PREPARED WITH A FLAT SURFACE, FREE AND CLEAR OF STANDING WATER AND LOOSE DEBRIS. SOIL SHOULD BE WELL COMPACTED TO 90% OF IT MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
5. TOP SURFACE OF SLAB SHALL BE A LIGHT BROOM FINISH AND TAPERED TO ALLOW WATER TO SHED WITHOUT PONDING.



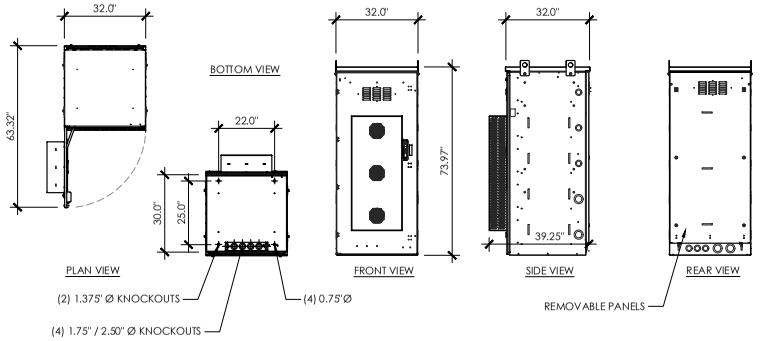
2 TYPICAL CONCRETE PAD SECTION — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS



CUBE-PM63915TN1
CABINET DESCRIPTION:
THE EQUIPMENT COMPARTMENT HAS 39RU OF 19" OR 23" HORIZONTAL RACK MOUNT SPACING, 3500W DC HX COOLED EQUIPMENT, FRONT DOOR AND REAR PANEL.

NOTES:
- USE 3" CONDUITS BETWEEN CABINET FRAMES
- ALL CONDUIT TO/FROM ANY BATTERY CABINET MUST BE SEALED TO PREVENT BATTERY GAS PENETRATION INTO ADJACENT CABINETS

3 RF CABINET — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS



CUBE-BB48E2XVA
CABINET DESCRIPTION:
74"HX32"WX39"D SINGLE 5 STRING 200/190AHR VRLA BATTERY CABINET (NO EQUIPMENT) - DC TEC COOLED/HEATED BATTERY COMPARTMENT, HIGH RATE 250A BREAKERS, UTILIZES UP TO 5 STRINGS OF 200/190 AHR VRLA BATTERIES.

NOTES:
- USE 3" CONDUITS BETWEEN CABINET FRAMES
- ALL CONDUIT TO/FROM ANY BATTERY CABINET MUST BE SEALED TO PREVENT BATTERY GAS PENETRATION INTO ADJACENT CABINETS

4 BATTERY CABINET — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

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1	12/13/21	PRELIM CONST. DRAWINGS
2	01/04/22	CLIENT COMMENT

LICENSER

PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

EQUIPMENT DETAILS

SHEET NO.

A4.0

ATTACHMENT G.13

PROJECT BATTERY SYSTEM DATA	
BATTERY TYPE	VALVE REGULATED LEAD ACID (VRLA)
NO. OF BATTERY	28
BATTERY MANUFACTURER	DEKA (EAST PENN)
MODEL NO.	HT200ET
DIMENSIONS	24.15" D X 4.97" W X 12.74" H
WEIGHT	151lbs PER UNIT

# OF CELLS PER UNIT	SPECIFIC GRAVITY	LEAD WEIGHT PER CELL (lbs)	ELECTROLYTE WEIGHT PER CELL (lbs)	PURE SULFURIC ACID WEIGHT PER CELL (lbs)	ELECTROLYTE VOLUME PER CELL (GAL)	ELECTROLYTE VOLUME TOTAL (GAL)
1	1.320	58.7	23.2	10.5	2.08	41.60

BATTERY PLACEMENT NOTE:
SHELF MOUNTED WITHIN CSA/UL, TYPE 3R RATED, SELF-CONTAINED ENCLOSURE CABINET WITH ENVIRONMENTAL CONTROLS.
MAX CAPACITY; 10 BATTERIES PER CABINET

BATTERY REQUIREMENTS					
REQUIRMENTS	NONRECOMBINANT BATTERIES		RECOMBINANT BATTERIES		OTHER BATTERIES
	FLOODED LEAD ACID BATTERIES	FLOODED NICKEL-CADMIUM (Ni-Cd) BATTERIES	VALVE REGULATED LEAD ACID (VRLA) BATTERIES	LITHIUM-ION BATTERIES	LITHIUM METAL CELLS
SAFETY CAPS	√ (608.2.1)	√ (608.2.1)	√ (608.2.2)	N/A	N/A
COMMENTS: PER MANUFACTURER, THE MSENDURE II PRODUCT AT-35P UTILIZES A COMBINATION FLAME ARRESTOR/VENT CAP.					
THERMAL RUNAWAY MANAGEMENT	N/A	N/A	√ (608.3)	N/A	√ (608.3)
COMMENTS: BATTERY IS MORE RESILIENT AS A RESULT OF THE LOW SPECIFIC GRAVITY DESIGN HOWEVER, ADDITIONAL DC POWER PLANT TEMPERATURE COMPENSATION MAYBE REQUIRED BY JURISDICTION. THERMAL RUNAWAY PROCEDURE ACTION SIGNAGE SHALL BE POSTED FOR EASY ACCESS IN ALL BATTERY AREAS.					
SPILL CONTROL	√ (608.5)	√ (608.5)	N/A	N/A	N/A
COMMENTS: SPILL CONTROL NOT REQUIRED BY IFC FOR THIS TYPE OF BATTERY, HOWEVER THE CITY OF PORTLAND REQUIRES SPILL CONTROL FOR BATTERIES CONTAINING MORE THAN 50 GALLONS OF ACCUMULATIVE ELECTROLYTE VOLUME. ALL BATTERY ENCLOSURE CABINETS SHALL BE EQUIPPED WITH A LIQUID TIGHT INTERIOR TRAY LINER INSTALLED AT THE BOTTOM OF THE ENCLOSURE TO SUIT THE JURISDICTIONAL CODE REQUIREMENTS					
NEUTRALIZATION	√ (608.5.1)	√ (608.5.1)	√ (608.5.2)	N/A	N/A
COMMENTS: NEUTRALIZATION PILLOWS OR SOCKS AS MANUFACTURED FOR SUCH PURPOSES SHALL BE EMPLOYED AND PLACED AT THE INTERIOR BASE OR PERIMETER OF ENCLOSURE AS PER NEUTRALIZATION DEVICE MANUFACTURER'S RECOMMENDATIONS.					
VENTILATION	√ (608.6.1;608.6.2)	√ (608.6.1;608.6.2)	√ (608.6.1;608.6.2)	N/A	N/A
COMMENTS: CONTINUOUS VENTILATION SHALL BE PROVIDED AT A RATE OF NOT LESS THAN 1 CUBIC FOOT PER MINUTE PER SQUARE FOOT (1 FT3/MIN/FT2) AS NOTED IN IFC 608.6.1 NO. 2					
SIGNAGE	√ (608.7)	√ (608.7)	√ (608.7)	√ (608.7)	√ (608.7)
COMMENTS: CODE SPECIFIED BATTERY ROOM SAFETY SIGNAGE, HAZARDOUS MATERIAL SIGNAGE (4 DIAMOND) AND THERMAL RUNAWAY PROCEDURE SIGNAGE SHALL ALL BE CLEARLY POSTED IN ALL BATTERY AREAS					
SEISMIC PROTECTION	√ (608.8)	√ (608.8)	√ (608.8)	√ (608.8)	√ (608.8)
COMMENTS: BATTERY STORAGE ENCLOSURE CABINETS AND ANCHORAGE ARE DESIGNED TO EXCEED ALL IBC CODE REQUIRED SEISMIC FORCES SPECIFIC INSTALLATIONS					
SMOKE DETECTION	√ (608.9)	√ (608.9)	√ (608.9)	√ (608.9)	√ (608.9)
COMMENTS: N/A OUTDOOR APPLICATION					

HT200ET

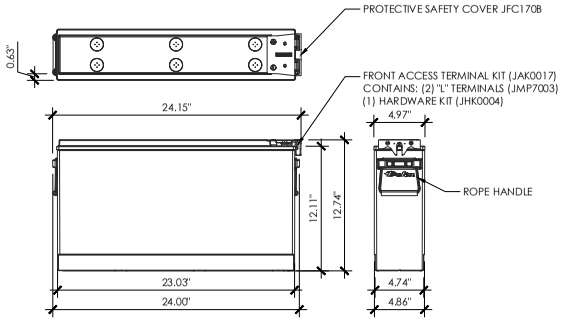
- HELIOS™ ADDITIVE REDUCES FLOAT CURRENT UP TO 75% ENHANCING HIGH TEMPERATURE LIFE
- THT™ PLASTIC SPECIFICALLY FORMULATED HEAT RESISTANT PLASTIC CASE AND COVER OPTIMIZES COMPRESSION
- MICROCAT® CATALYST LOWERS FLOAT CURRENT, MITIGATES THERMAL BUILDUP AND CELL DRYOUT
- EXCLUSIVE IPF® TECHNOLOGY OPTIMIZES POWER CAPACITY, CELL CONSISTENCY, AND LONG-TERM RELIABILITY ALLOY INHIBITS CORROSION UNDER THE HIGHEST
- TEMPX™ TEMPERATURE EXTREMES
- *ADVANCED AGM TECHNOLOGY FOR SUPERIOR POWER*
- *PUNCTURE RESISTANT MICRO-POROUS GLASS MAT SEPARATORS EXTEND LIFE*
- *FRONT ACCESS DESIGN FOR EASY INSTALLATION AND MAINTENANCE*
- *REINFORCED CASE RESISTS BULGING AND MEETS SAFETY REQUIREMENTS (UL 94 V-0)*
- *CASE & COVER HEAT SEALED AND 100% TESTED TO PREVENT LEAKS %%132 EPOXY-SEALED POSTS ELIMINATE LEAKS*
- *FLAME ARRESTING, LOW PRESSURE, SELF-SEALING VALVES ARE 100% FACTORY TESTED COMPUTER-AIDED DESIGN AND MANUFACTURING CONTROL PROCESSES AND STANDARDS TO ENSURE QUALITY PRODUCTS*
- *ALL BATTERIES MEET OR EXCEED IEEE RECOMMENDED PRACTICES*
- *BATTERY DESIGN AND CONSTRUCTION MEET UL RECOGNITION REQUIREMENTS*

SPECIFICATIONS

NOMINAL VOLTAGE:	12-VOLTS	CATALYST:	MICROCAT®
RATING:	190 AMPERE-HOURS @ 8HR. RATE TO 1.75 V.P.C.	SAFETY VENT: ARRESTOR	LOW POSITIVE PRESSURE, SELF-SEALING W/ FLAME
POSITIVE PLATE:	>98% PURE LEAD WITH TIN-CALCIUM ALLOY	FLOAT VOLTAGE:	2.25 V.P.C. ± 0.01 V.P.C. @ 77°F (25°C)
NEGATIVE PLATE:	PURE LEAD, CALCIUM ALLOY	RANGE:	(13.44V TO 13.56V PER BATTERY)
POST SEAL:	EPOXY-SEALED	DESIGN LIFE:	12 YEARS IN FLOAT APPLICATIONS @ 77°F (25°C)
TERMINAL:	FRONT ACCESS, 1/4" - 20 THREADED INSERT	DIMENSIONS:	LENGTH - 24.15" (613.4 MM) WIDTH - 4.97" (126.3 MM)
CASE/COVER:	FLAME-RETARDANT, THT™ UL 94 V-O/>39% L.O.I.	HEIGHT - WEIGHT:	12.74" (323.5 MM) 151 lBS. (68.5 KG)

DISCHARGE RATINGS IN AMPS @ 77°F (25°C)†

Volts per Cell (V.P.C.)	1 HR.	2 HR.	3 HR.	4 HR.	5 HR.	8 HR.	12 HR.	20 HR.	24 HR.
1.75	144	82.0	57.3	44.4	36.4	23.8	16.3	10.1	8.4
1.80	136	79.1	55.4	43.1	35.4	23.2	16.0	9.9	8.3
1.85	124	73.1	51.9	40.6	33.5	22.1	15.2	9.4	7.9
1.88	113	68.0	48.7	38.3	31.7	21.0	14.5	9.0	7.6
1.90	105	63.9	46.2	36.4	30.1	20.0	13.9	8.6	7.2



THERMAL RUNAWAY MANAGEMENT NOTES:
THERMAL RUNAWAY IS CONTROLLED BY THE GENERAL ELECTRIC (GE) INFINITY S POWER PLANT ALONG WITH GE THERMAL PROBES INSTALLED WITHIN THE CHARLES-CUBE SS4B228LX1 (+24 V AND -48 V) PRIMARY-SECONDARY POWER CABINET OR RACK MOUNTED EQUIPMENT. THE CHARLES-CUBE SS4B228LX1(+24 V AND -48 V) PRIMARY-SECONDARY POWER CABINET OR RACK MOUNTED EQUIPMENT IS CONNECTED TO THE CHARLES-CUBE BB48E2XVA (-48 AND +24 V) BATTERY CABINET, CONTROLLING BATTERIES INSTALLED WITHIN BOTH CABINETS.

THERMAL RUNAWAY CONTROLS EQUIPMENT LIST:
CONTROLLER TO PROBE = DELTA ELITE S 600A, 7RU -48V 26 POSITION DC PLANT W/ CONTROLLER + 1 BATTERY TEMP PROBE (DELTA #ESAA600-HCU07)
BATTERY PROBES = BATTERY TEMP COMP PROBE X1 PER BATTERY STRING (2) PER BATTERY CABINET *1 PROBE INCLUDED W/ DC PLANT (DELTA #3799541900-S)

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PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

BATTERY SPECIFICATIONS

SHEET NO.

A4.1

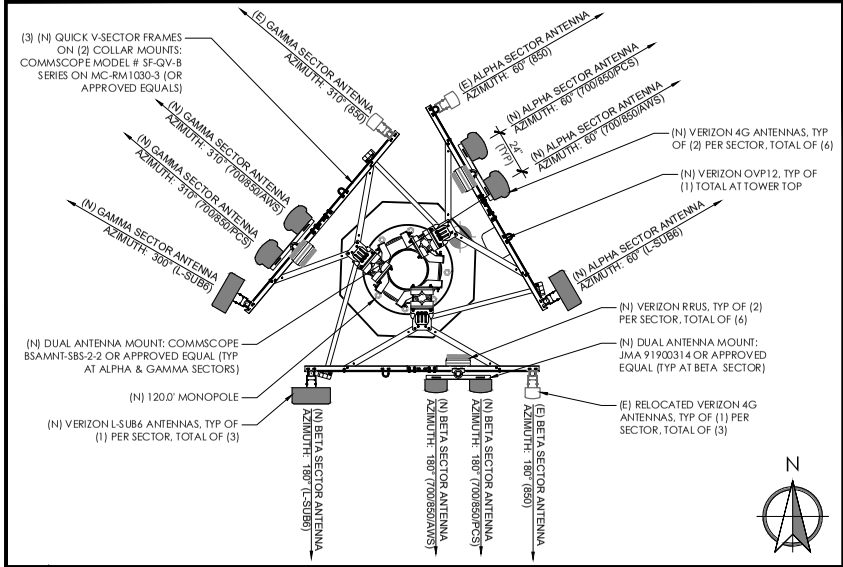
ATTACHMENT G.14

VERIZON TOWER / POLE / ROOFTOP EQUIPMENT SCHEDULE

SECTOR	EXIST / NEW	QUANTITY	TECHNOLOGY	TIP HT	AZIMUTH	MFR	EQUIPMENT MODEL	PORT	DIMENSIONS (L x W x D)	WEIGHT (LBS)	MECH DOWNTILT	ELEC DOWNTILT	CABLE TYPE	CABLE QTY	CABLE LENGTH
ALPHA	EXIST	1	850	123.9'	60°	ANTEL	BXA-70080-8CF	DUAL	94.6" x 8.0" x 5.9"	39.0	0°	0°	COAX	2 (E)	130 LF
	NEW	1	700/850/PCS	124.0'	60°	JMA	MX06FRO860-02	HEX	95.9" x 15.4" x 10.7"	79.0	0°	2° 2° 0°	---	---	---
	NEW	1	700/850/AWS	124.0'	60°	JMA	MX06FRO860-02	HEX	95.9" x 15.4" x 10.7"	79.0	0°	2° 2° 0°	---	---	---
	NEW	1	L-SUB6	121.3'	60°	ERICSSON	AIR6449	---	30.6" x 15.9" x 10.6"	96.8	0°	6°	---	---	---
	NEW	1	---	---	---	ERICSSON	RRU 4449	---	18.0" x 13.2' x 9.4'	70.0	---	---	---	---	---
	NEW	1	---	---	---	ERICSSON	RRU 8843	---	18.0" x 13.2' x 9.4'	70.0	---	---	---	---	---
	NEW	1	---	---	---	RAYCAP	RVZDC-6627-PF-48	---	29.5" x 16.5" x 12.6"	32.0	---	---	12/24 HYBRID	1 (N)	130 LF
BETA	EXIST	1	850	123.9'	180°	ANTEL	BXA-70080-8CF	DUAL	94.6" x 8.0" x 5.9"	39.0	0°	0°	COAX	2 (E)	130 LF
	NEW	1	700/850/PCS	124.0'	180°	ANDREW	NHH-85C-R2B	HEX	96.0" x 11.9" x 7.1"	50.9	0°	2° 2° 0°	---	---	---
	NEW	1	700/850/AWS	124.0'	180°	ANDREW	NHH-85C-R2B	HEX	96.0" x 11.9" x 7.1"	50.9	0°	2° 2° 0°	---	---	---
	NEW	1	L-SUB6	121.3'	180°	ERICSSON	AIR6449	---	30.6" x 15.9" x 10.6"	96.8	0°	6°	---	---	---
	NEW	1	---	---	---	ERICSSON	RRU 4449	---	18.0" x 13.2' x 9.4"	70.0	---	---	---	---	---
	NEW	1	---	---	---	ERICSSON	RRU 8843	---	18.0" x 13.2' x 9.4"	70.0	---	---	---	---	---
GAMMA	EXIST	1	850	123.9'	310°	ANTEL	BXA-70080-8CF	DUAL	94.6" x 8.0" x 5.9"	39.0	0°	0°	COAX	2 (E)	130 LF
	NEW	1	700/850/PCS	124.0'	310°	JMA	MX06FRO860-02	HEX	95.9" x 15.4" x 10.7"	79.0	0°	2° 2° 0°	---	---	---
	NEW	1	700/850/AWS	124.0'	310°	JMA	MX06FRO860-02	HEX	95.9" x 15.4" x 10.7"	79.0	0°	2° 2° 0°	---	---	---
	NEW	1	L-SUB6	121.3'	300°	ERICSSON	AIR6449	---	30.6" x 15.9" x 10.6"	96.8	0°	6°	---	---	---
	NEW	1	---	---	---	ERICSSON	RRU 4449	---	18.0" x 13.2' x 9.4"	70.0	---	---	---	---	---
	NEW	1	---	---	---	ERICSSON	RRU 8843	---	18.0" x 13.2' x 9.4"	70.0	---	---	---	---	---
GROUND	NEW	1	---	---	---	RAYCAP	RCMDC-4520-RM-48	---	19.0" x 15.80" x 5.18"	22.1	---	---	---	---	---

1 EQUIPMENT SCHEDULE

11X17 SCALE: NTS
22 X 34 SCALE: NTS



2 ANTENNA PLAN

11X17 SCALE: NTS
22 X 34 SCALE: NTS

GENERAL NOTES:

1. THE PROJECT CM / PM TO VERIFY ANY REQUIRED PAINTING REQUIREMENTS FOR PROPOSED TOWER, ANTENNAS, ANCILLARY EQUIPMENT, CABLES, AND HARDWARE PRIOR TO ORDERING / INSTALLING EQUIPMENT.
2. TOWER / POLE STRUCTURAL ANALYSIS TO BE PERFORMED BY OTHERS. ANTENNA / ANCILLARY EQUIPMENT MOUNT ANALYSIS TO BE PERFORMED BY OTHERS.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY NECESSARY TOWER RIGGING PLANS THAT ARE SUBJECT TO OWNER APPROVAL.
4. THE GENERAL CONTRACTOR SHALL REFER TO THE FINAL STRUCTURAL ANALYSIS FOR CABLE PLACEMENT.

ANTENNA NOTES:

1. THE GENERAL CONTRACTOR SHALL VERIFY FINAL ANTENNA / ANCILLARY EQUIPMENT PLACEMENT, MODEL, QUANTITY, AZIMUTH, ETC. W/ CLIENT RF REPRESENTATIVE PRIOR TO ORDERING AND COMMENCING EQUIPMENT INSTALLATION.
2. THE GENERAL CONTRACTOR SHALL FIELD VERIFY THE SUITABILITY OF ANTENNA MOUNT AT SPECIFIED TOWER / POLE ELEVATION PRIOR TO ORDERING MATERIALS.
3. REFERENCE MANUFACTURER MANUALS FOR MOUNTING INFORMATION FOR ALL PROPOSED EQUIPMENT, AS NEEDED.

CABLE NOTES:

1. ALL EXISTING AND PROPOSED CABLE LENGTHS ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL FIELD VERIFY LENGTHS PER FINAL MOUNTING CONFIGURATION AND STRUCTURAL ANALYSIS.
2. ALL CABLE INSTALLATIONS SHALL CONFORM TO CURRENT CARRIER STANDARDS.
3. ALL CABLE INSTALLATIONS SHALL BE WEATHERPROOFED. GENERAL CONTRACTOR TO PROVIDE DRIP LOOPS IN CABLES AND JUMPERS WHERE APPLICABLE.
4. ALL INSTALLED CABLES TO BE COLOR CODED W/ TAPE TO INDICATE ANTENNA SECTOR BASED ON CURRENT CARRIER STANDARDS.
5. COLORED ELECTRICAL TAPE SHALL DENOTE END OF EACH CABLE AND JUMPER AS CLOSE TO THE END AS POSSIBLE (NOT TO INTERFERE WITH WEATHERPROOFING KIT).

3 NOTES

11X17 SCALE: NTS
22 X 34 SCALE: NTS

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PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

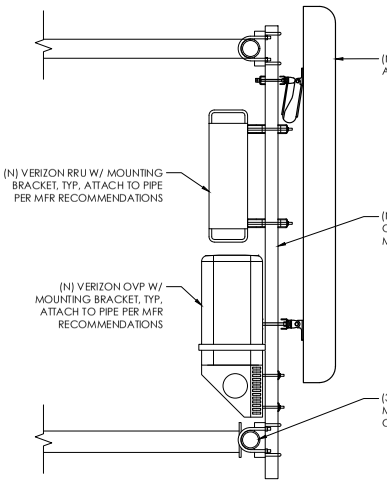
SHEET TITLE

EQUIPMENT SCHEDULE & ANTENNA PLAN

SHEET NO.

A5.0

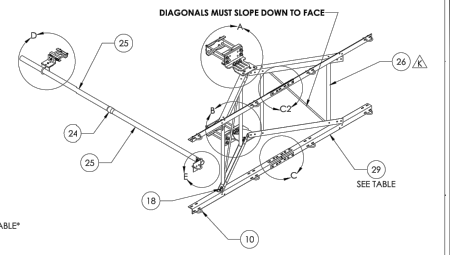
ATTACHMENT G.15



1 ANTENNA & ANCILLARY EQUIPMENT MOUNT — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT
1	SFQV01	SF-QV Arm Frame Weldment	1	59.92 LBS
2	SFQV02	SF-QV Transition Swivel Plate	2	9.20 LBS
3	SFQV03	Top SF-QV Mount Bracket	1	18.22 LBS
4	SFQV04	Lower SFQV Mount Bracket	1	18.75 LBS
5	MTC360613	SPLICE PLATE	8	2.04 LBS
6	SFQV11	Taper Plate Bushing	2	0.06 LBS
7	SFQV12	90 Deg Tower Bracket	2	5.31 LBS
8	SFQV13	SF-QV Back Clamp	2	7.51 LBS
9	SFQV14	60 Deg Tower Bracket	2	5.22 LBS
10	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	11	0.56 LBS
11	SAB01	FORMED CLAMP	2	1.35 LBS
12	OS15034	3/4" X 1-1/2" OFFSET COLLAR	1	0.14 LBS
13	XA2020.01	CROSS OVER ANGLE	3	2.65 LBS
14	GB-02245	5/8" X 2-1/2" GALV BOLT KIT	6	0.30 LBS
15	GWF-05	5/8" GALV FLAT WASHER	34	0.06 LBS
16	GWL-05	5/8" GALV LOCK WASHER	16	0.03 LBS
17	GN-05	5/8" GALV HEX NUT	24	0.08 LBS
18	GB-04145	1/2" X 1-1/2" GALV BOLT KIT	32	0.13 LBS
19	GWF-04	1/2" GALV FLAT WASHER	20	0.03 LBS
20	GWL-04	1/2" GALV LOCK WASHER	4	0.01 LBS
21	GN-04	1/2" GALV HEX NUT	4	0.04 LBS
22	MT-379-8	1/2" X 8" GALV THREADED ROD	2	0.44 LBS
23	MT-382-16	5/8" X 16" GALV THREADED ROD	8	1.38 LBS
24	200GC	2" RMC COUPLING	1	1.57 LBS
25	SAB6301	∅2-3/8" O.D. X 64" SCH 40 PIPE NPT 1 END	2	18.98 LBS
26	MTC360101	RIGHT FRAME WELDMENT	1	59.92 LBS
27	GB-04125	1/2" X 1-1/4" GALV BOLT KIT	1	0.12 LBS
28	GB-04265	1/2" X 2-3/4" GALV BOLT KIT	1	0.20 LBS
29	SFQVXX	SF-QV Face Angle [SEE TABLE]	4	24.99 LBS

* SEE TABLE*



NOTES:
1. ALL METRIC DIMENSIONS ARE IN BRACKETS.
2. DETAILS ON SHEET 3 – 5.
3. OVERALL DIMS ON SHEET 5.
4. ASSEMBLY STEPS ON SHEET 3.
5. FITS TOWER LEGS UP TO 8" OD, 8" ANGLE 60°, OR 6" ANGLE 90°.
6. USE TOWER BRACKETS SFQV12 FOR 90° LEGS AND SFQV14 FOR 60° LEGS.

SF-QV-B SERIES TABLE

PART NUMBER	DESCRIPTION	SFQV36	SFQV35	SFQV34	SFQV33	WEIGHT
SF-QV7-B	Quik-Vee Sector Frame, 7'-6" Face, Pipes ordered separately	4	-	-	-	372.85 LBS
SF-QV10-B	Quik-Vee Sector Frame, 10'-6" Face, Pipes ordered separately	-	4	-	-	397.66 LBS
SF-QV12-B	Quik-Vee Sector Frame, 12'-6" Face, Pipes ordered separately	-	-	4	-	416.59 LBS
SF-QV14-B	Quik-Vee Sector Frame, 14'-6" Face, Pipes ordered separately	-	-	-	4	436.08 LBS

SF-QV-B SERIES — WESTCHESTER, IL. 60154 U.S.A.

2 MOUNT SPECIFICATION — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

ANTENNA BRACKET

MODEL#:

91900314

DIMENSIONS:

HEIGHT: 4.0"
WIDTH: 34.55"
DEPTH: 2.23'
WEIGHT: 22.3 LBS

BRACKETS NEED PER ANTENNA:

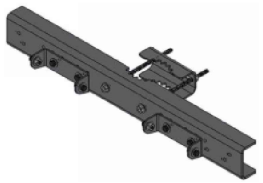
4'-6': (2) BRACKETS
6'-8': (3) BRACKETS

MANUFACTURER:

JMA WIRELESS

NOTES:

MOUNT PER MANUFACTURER RECOMMENDATIONS.



3 DUAL MOUNT ANTENNA BRACKET — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

ANTENNA BRACKET

MODEL#:

BSAMNT-SBS-2-2

DIMENSIONS:

HEIGHT: TBD
WIDTH: TBD
DEPTH: TBD
WEIGHT: 67.5 LBS

BRACKETS NEED PER ANTENNA:

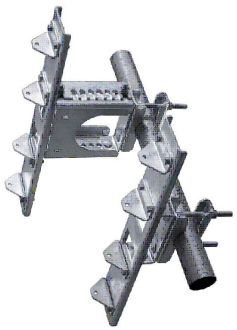
4'-6': (2) BRACKETS
6'-8': (3) BRACKETS

MANUFACTURER:

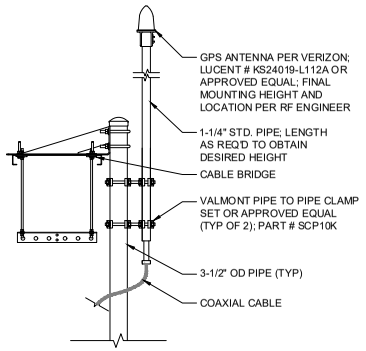
COMMSCOPE

NOTES:

MOUNT PER MANUFACTURER RECOMMENDATIONS.



4 DUAL MOUNT ANTENNA BRACKET — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



5 GPS ANTENNA TO CABLE BRIDGE — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

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PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

EQUIPMENT MOUNT DETAILS

SHEET NO.

A5.1

ATTACHMENT G.16

ANTENNA

MODEL #:

MX06FRO860-03

DIMENSIONS:

LENGTH: 95.9"
WIDTH: 15.4"
DEPTH: 10.7"
WEIGHT: 79.0 LBS

FREQUENCY BAND:

R1: 698–894MHZ
B1: 1695–2180MHZ
B2: 1695–2180MHZ

QTY OF RF CONNECTORS:

(2) LOW BAND
(2) HIGH BAND #1
(2) HIGH BAND #2
(6) TOTAL

MANUFACTURER:

JMA WIRELESS

NOTES:
MOUNT ANTENNA PER MANUFACTURER RECOMMENDATIONS.
MODEL# 91900318, 91900319

1 ANTENNA SPECIFICATIONS — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

ANTENNA

MODEL #

AIR 6449

DIMENSIONS:

LENGTH: 30.6"
WIDTH: 15.9"
DEPTH: 10.6"
WEIGHT: 83.8 LBS (96.8 W/ MOUNT)

FREQUENCY BAND:

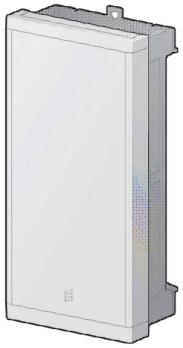
3700-3980 MHz

MANUFACTURER:

ERICSSON

NOTES:

MOUNT ANTENNA PER MANUFACTURER RECOMMENDATIONS.



2 ANTENNA SPECIFICATIONS — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

ANTENNA

MODEL #:

NHH-85C-R2B

DIMENSIONS:

LENGTH: 96.0"
WIDTH: 11.9"
DEPTH: 7.1"
WEIGHT: 50.9 LBS

FREQUENCY BAND:

(4) 1695-2360 MHz
(2) 698-896 MHz

QTY OF RF CONNECTORS:

(2) LOW BAND
(4) HIGH BAND
(6) TOTAL

MANUFACTURER:

COMMSCOPE

NOTES:

MOUNT ANTENNA PER MANUFACTURER RECOMMENDATIONS.

3 ANTENNA SPECIFICATIONS — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

ANTENNA

MODEL #

BXA-70080-8CF

DIMENSIONS:

LENGTH: 94.6"
WIDTH: 8.0"
DEPTH: 5.9"
WEIGHT: 39.0

FREQUENCY BANDS:

696-806 & 806-900 MHz

MANUFACTURER:

ERICSSON

NOTES:

MOUNT ANTENNA PER MANUFACTURER RECOMMENDATIONS.

4 ANTENNA SPECIFICATIONS — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

RRU 4449

DIMENSIONS:

HEIGHT: 18.0"
WIDTH: 13.0"
DEPTH: 9.4'
WEIGHT: 70.0 LBS

OUTPUT POWER:

4 X 40W ON EACH BAND OR
2 X 60W EACH BAND ON (2)
HIGH-POWER RF PORTS

CARRIER CAPACITY:

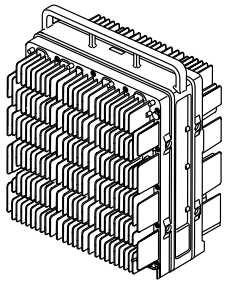
UP TO 24 MHZ

MANUFACTURER:

ERICSSON

NOTES:

MOUNT RRU PER MANUFACTURER RECOMMENDATIONS.



5 RRU 4449 SPECIFICATIONS — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

RRU 8843

DIMENSIONS:

HEIGHT: 18.0"
WIDTH: 13.2"
DEPTH: 11.1"
WEIGHT: 71.2 LBS

OUTPUT POWER:

4 X 40W ON EACH BAND OR
2 X 60W EACH BAND ON (2)
HIGH-POWER RF PORTS

CARRIER CAPACITY:

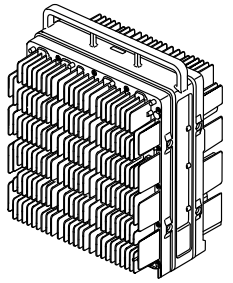
UP TO 24 MHZ

MANUFACTURER:

ERICSSON

NOTES:

MOUNT RRU PER MANUFACTURER RECOMMENDATIONS.



6 RRU 8843 SPECIFICATIONS — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

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PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

EQUIPMENT DETAILS

SHEET NO.

A5.2

ATTACHMENT G.17

SURGE PROTECTOR

DIMENSIONS:

LENGTH: 12.6"
WIDTH: 16.5"
HEIGHT: 29.5"
WEIGHT: 32.0 LBS

MODEL #:

RVZDC-6627-PF-48

NOMINAL OPERATING VOLTAGE:

48 VDC

MANUFACTURER:

RAYCAP

NOTES:

MOUNT PER MANUFACTURER RECOMMENDATIONS.

OVP 12

DIMENSIONS:

LENGTH: 19.0"
DEPTH: 15.8"
HEIGHT: 5.18"
LENGTH: 22.0 LBS

MODEL #:

RVZDC-4520-RM-48

NOMINAL OPERATING VOLTAGE:

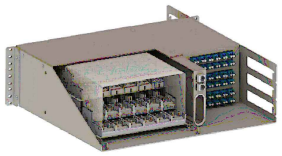
48 VDC

MANUFACTURER:

RAYCAP

NOTES:

RACK MOUNT PER MANUFACTURER RECOMMENDATIONS.



1	OVP RVZDC-6627-PF-48 SPEC'S.	11X17 SCALE: NTS 22 X 34 SCALE: NTS	2	OVP RVZDC-4520-RM-48 (RACK MOUNT)	11X17 SCALE: NTS 22 X 34 SCALE: NTS	3	NOT USED	11X17 SCALE: NTS 22 X 34 SCALE: NTS
4	NOT USED	11X17 SCALE: NTS 22 X 34 SCALE: NTS	5	NOT USED	11X17 SCALE: NTS 22 X 34 SCALE: NTS	6	NOT USED	11X17 SCALE: NTS 22 X 34 SCALE: NTS

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PROJECT INFORMATION

SLM DALLAS RELO

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DALLAS, OR 97338

SHEET TITLE

EQUIPMENT DETAILS

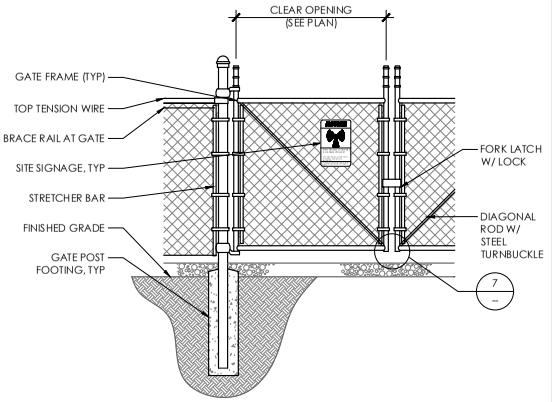
SHEET NO.

A5.3

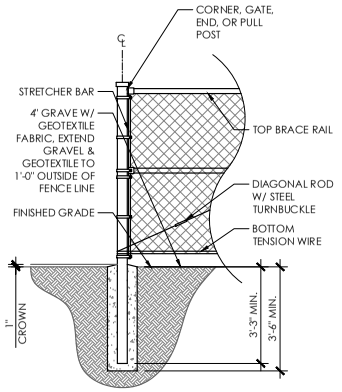
ATTACHMENT G.18

1. THE CONTRACTOR SHALL MATCH THE FENCING STYLE, HEIGHT, BANDING, SUPPORTS, AND MEASUREMENTS OF THE EXISTING FENCE WHEREVER THE PROJECT REQUIRES MODIFICATION OR EXTENSION OF AN EXISTING FENCED AREA.
2. ALL WIRE RAILS, FABRIC, POLES, HARDWARE, AND OTHER STEEL MATERIAL SHALL BE HOT-DIPPED GALVANIZED AND CONFORM TO ALL ASTM REGULATIONS FOR GALVANIZING.
3. THE FABRIC SHALL BE 6'-0" HIGH X 2' CHAIN LINK MESH OF NO. 9 GAUGE (0.148) WIRE, AND HAVE A TWISTED FINISH FOR THE TOP EDGES AND A KNUCKLED FINISH FOR THE BOTTOM EDGES. FABRIC SHALL CONFORM TO THE SPECIFICATIONS OF ASTM A-392 CLASS-1.
4. ALL POSTS SHALL BE GALVANIZED STEEL, SCHEDULE 20 PIPE OF THE FOLLOWING DIAMETERS: LINE = 2-3/8" / CORNER = 3" / GATE = 3"
5. GATE FRAMES SHALL HAVE A FULL HEIGHT VERTICAL BRACE AND A FULL WIDTH HORIZONTAL BRACE, SECURED IN PLACE BY USE OF GATE BRACE CLAMPS.
6. ALL TOP AND BRACED RAILS SHALL BE 1-5/8" Ø SCHEDULE 20 MECHANICAL BRACE, SECURED IN PLACE BY USE OF GATE BRACE CLAMPS.
7. HINGES SHALL BE A MINIMUM of 200 DEGREES WITH A HINGE ADAPTER. LATCHES, STOPS AND KEEPERS SHALL BE PROVIDED FOR ALL GATES. THE GUIDE LATCH ASSEMBLY SHALL BE TAMPER-PROOF. ALL STOPS AND DOUBLE GATES SHALL HAVE A FULL HEIGHT PLUNGER BAR WITH A METAL DOME CAP.
8. A NO. 7 GAUGE ZINC COATED TENSION WIRE IS TO BE USED AT THE BOTTOM OF THE FABRIC, TERMINATED WITH BAND CLIPS AT CORNER AND GATEPOSTS.
9. A 6" X 12' EYEBOLT TO HOLD TENSION WIRE SHALL BE USED AT AL LINE POSTS.
10. ALL STRETCHER BARS SHALL BE 3/16 X 3/4" OR HAVE EQUIVALENT CROSS SECTION AREA.
11. ALL CORNER GATE AND END PANELS SHALL HAVE A 3/8" TRUSS ROD WITH TURNBUCKLES AND BE BRACED WITH ONE 1-5/8" HORIZONTAL COMPRESSION MEMBER, SECURELY ATTACHED WITH IRON FITTINGS.
12. CONTRACTOR TO PROVIDE ALL OTHER HARDWARE NECESSARY TO ATTACH, TENSION, CLIP, BAND, HINGE, FASTEN AND FINISH THE FENCING PROPERLY.
13. ALL POSTS, GATE GUARDS, AND OTHER OPEN PIPES SHALL BE CAPPED WITH A HOT DIPPED GALVANIZED CAST STEEL DOME CAP.
14. ALL POSTS SHALL HAVE A MINIMUM OF 6" OF CONCRETE UNDER THE LOWER MOST PORTION TO A MINIMUM OF 8" LARGER THAN THE DIAMETER AT THE FINISHED GRADE.
15. ALL FENCE POSTS SHALL BE SCH. 40 GALVANIZED STEEL POSTS WITH SET BOLT AND LOCK WIRE IN THE ARM.
16. AT CORNER POSTS, GATE POST, LINE POST, AND SIDE OF GATE FRAME, FABRIC SHALL BE ATTACHED WITH STRETCHER AND TENSION BAND CLIPS AT 1'-3" INTERVALS.
17. ATTACH FABRIC TO BRACE RAILS, TENSION WIRE AND TRUSS RODS WITH THE TIE CLIPS AT 2'-0" INTERVALS.
18. PROVIDE A MAXIMUM GAP OF 1" BETWEEN THE CHAIN LINK FABRIC AND THE FINAL GRADE.
19. GATE HINGES SHALL HAVE THEIR THREADS PEENED OR WELDED TO PREVENT UNAUTHORIZED REMOVAL, AND GATES SHALL BE INSTALLED SO THAT LOCKS ARE ACCESSIBLE FROM BOTH SIDES.
20. CONTRACTOR TO TOUCH UP ALL SCRAPES, SCRATCHES, MARKS, AND BARE AREAS WITH A COLD GALVANIZED SPRAY.

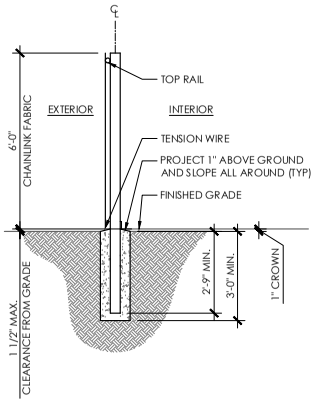
1 NOTES



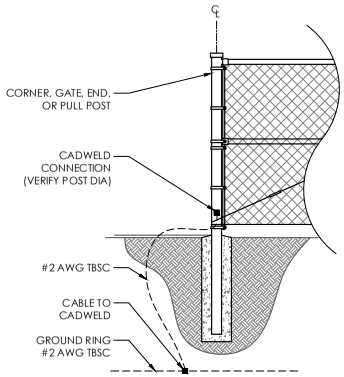
2 DOUBLE SWING GATE — 11X17 SCALE: NTS — 22 X 34 SCALE: NTS

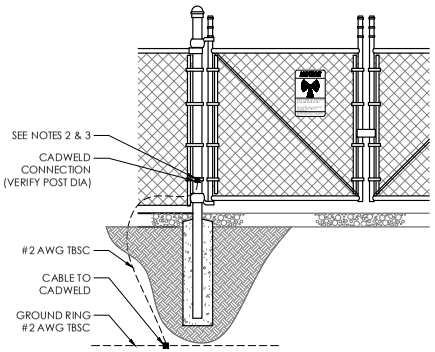


3 CORNER POST — 11X17 SCALE: NTS — 22 X 34 SCALE: NTS



4 WOVEN WIRE — 11X17 SCALE: NTS — 22 X 34 SCALE: NTS



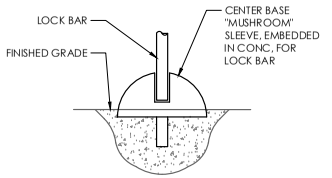


GROUNDING NOTES:

1. VERTICAL POSTS SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST. AT MINIMUM, ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100-FOOT STRAIGHT RUN OF FENCE.
2. THE #2 AWG, TBSC, FROM THE RING GROUND SHALL BE CADWELDED TO THE POST, ABOVE GROUND.
3. THE GATE JUMPER SHALL BE #4/0 AWG WELDING CABLE OR FLEXIBLE COPPER BRAIDED FLAT STRAP WITH SLEEVES ON EACH END DESIGNED FOR EXOTHERMIC WELDING.
4. THE GATE JUMPER SHALL BE INSTALLED SO THAT IT WILL NOT BE SUBJECTED TO DAMAGING STRAIN WHEN GATE IS FULL OPEN IN EITHER DIRECTIONS.

5 FENCE GROUNDING — 11X17 SCALE: NTS — 22 X 34 SCALE: NTS

6 NOT USED — 11X17 SCALE: NTS — 22 X 34 SCALE: NTS



7 GATE STOP — 11X17 SCALE: NTS — 22 X 34 SCALE: NTS

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PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

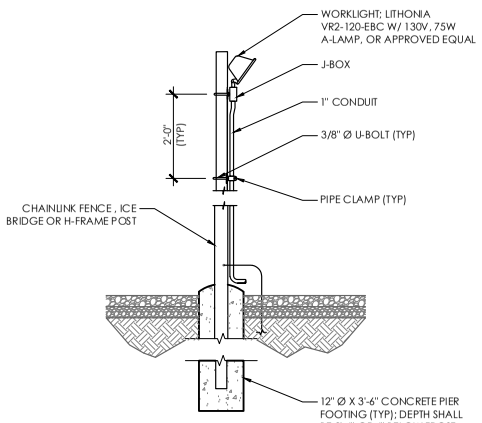
SHEET TITLE

FENCE DETAILS

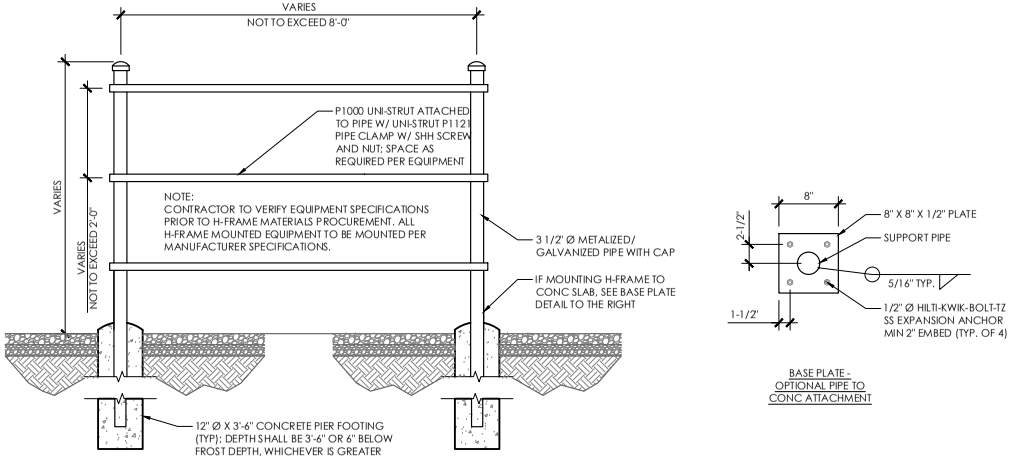
SHEET NO.

A6.0

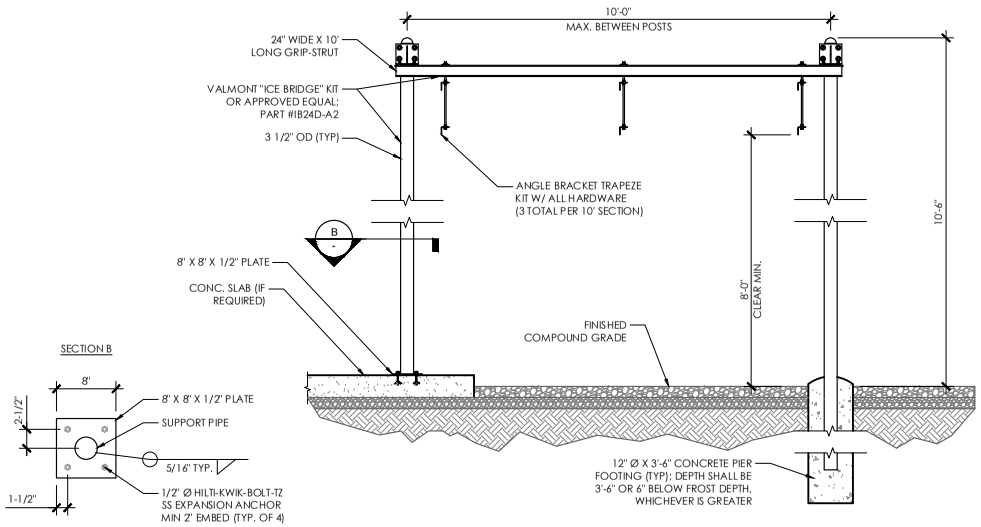
ATTACHMENT G.19



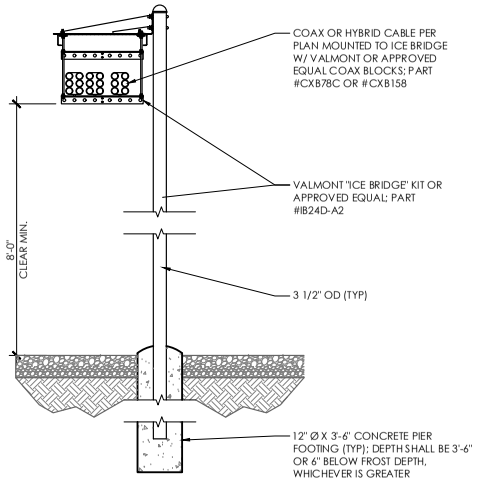
1 WORK LIGHT — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



2 H-FRAME — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



3 CABLE BRIDGE ELEVATION — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



4 CABLE BRIDGE SECTION — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

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PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

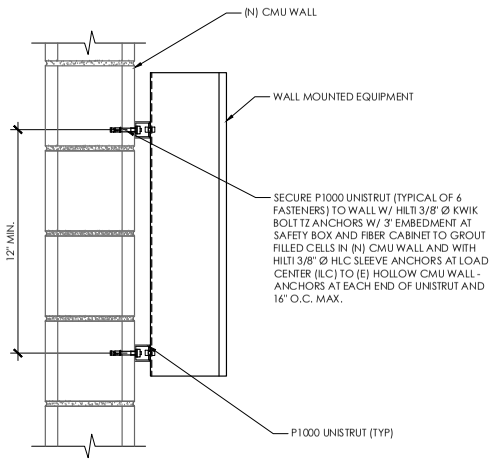
SHEET TITLE

CONSTRUCTION DETAILS

SHEET NO.

A7.0

ATTACHMENT G.20



1 WALL MOUNTED ELECTRICAL EQUIPMENT — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

2 NOT USED — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

3 NOT USED — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

4 NOT USED — 11X17 SCALE: NTS / 22 X 34 SCALE: NTS

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PROJECT INFORMATION

SLM DALLAS RELO

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DALLAS, OR 97338

SHEET TITLE

CONSTRUCTION DETAILS

SHEET NO.

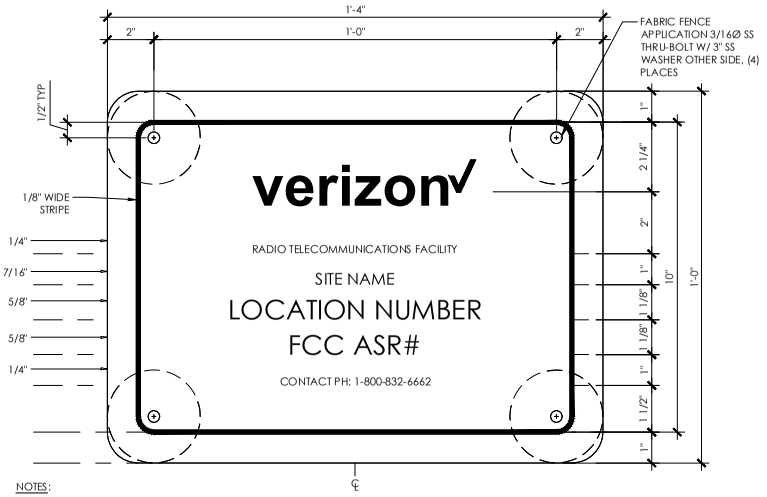
A7.1

ATTACHMENT G.21

SIGNS AND PLACEMENT:

1. LOW LEVEL (BLUE) WARNING SIGNS (PLACE AT SITE ENTRY/ACCESS POINTS ONLY):
   * ROOF TOPS: PLACE SIGNS ON THE INSIDE OF ROOF HATCH. PLACE ON ACCESS DOOR UNLESS DOOR IS USED BY GENERAL PUBLIC OR BUILDING TENANTS REGULARLY FOR ACCESS. IN THESE CASES, CONSULT CONSTRUCTION MANAGER OR QC SUPERVISOR.
   * WATER TANKS: PLACE SIGNS ON COMPOUND GATE.
   * VERIZON -OWNED SITES: PLACE ONE SIGN ON SITE GATE.
2. HIGH LEVEL (RED) CAUTION SIGNS (PLACE AT ALL ANTENNA SECTORS WHERE ACCESS BY THE GENERAL PUBLIC TO THE ANTENNAS IS POSSIBLE:
   * ALL SIGNS WILL BE SECURED WITH EITHER STAINLESS STEEL ZIP TIES OR STAINLESS TECH SCREWS.
3. CC PARTICIPATION IN SIGN LOCATION:
   * CM WILL MEET WITH ALL CC'S TO OUTLINE CRITERIA FOR SIGN PLACEMENT, EMPHASIS WILL BE ON 'GRAY AREA' SITES. WHERE SIGN PLACEMENT IS PARTICULARLY CHALLENGING. WE WILL GIVE CC'S AS MUCH GUIDANCE ON SPECIFIC SITUATIONS AS WE CAN FORESEE, BUT CC'S WILL BE ENCOURAGED TO PARTNER WITH CM OR QC IN DECIDING PLACEMENT OF DIFFICULT SITES. A JOINT SITE VISIT MAY BE REQUIRED TO FULFILL REQUIREMENTS.
   * CC WILL CALL OUT SIGN LOCATION(S) AT THE A&E WALK FOR EACH SITE AS THOSE OCCUR.
   * ON SITES WITH EXISTING A&E BUT NOT YET CONSTRUCTED, CC WILL BE ASKED TO PROVIDE (WITHIN A REASONABLE TIME FRAME TBD) A DETAIL FOR SIGN PLACEMENT THAT WILL BE SLIP-SHEETED INTO EXISTING SETS.
4. SIGN DISBURSEMENT FROM WAREHOUSE:
   * SIGNS WILL BE IN STOCK AT KENT WAREHOUSE TO BE DISBURSED AS PART OF THE GC BOM AS CALLED OUT IN A&E DRAWINGS FOR EACH SITE.

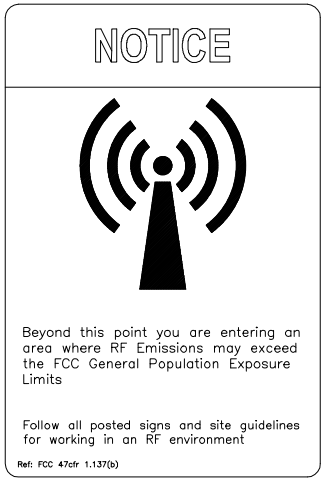
1 NOTES



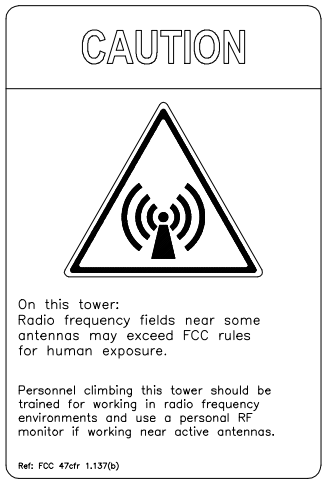
NOTES:

1. FOR VERIZON LOGO SEE VERIZON DESIGN SPECIFICATIONS (PROVIDED BY VERIZON)
2. ALL TEXT FONT IS ARIAL U.N.O.
3. CONTRACTOR TO PROCURE FCC NO. FROM COMPLIANCE COORDINATOR PH: (425) 895-7000
4. TEXT FOR SIGNAGE SHALL INDICATE CORRECT SITE NAME AND NUMBER AS PER VERIZON CONSTRUCTION MANAGER RECOMMENDATIONS.
5. CABINET / SHELTER MOUNTING APPLICATION REQUIRES ANOTHER PLATE APPLIED TO THE FACE OF THE CABINET WITH WATER PROOF POLYURETHANE ADHESIVE.

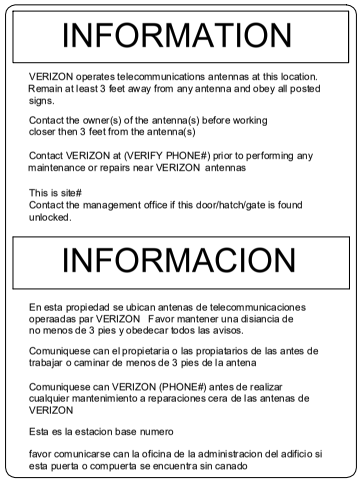
2 VERIZON SITE SIGNAGE — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



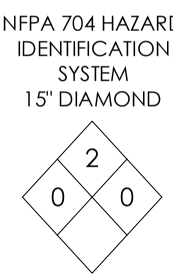
3 RF WARNING SIGN — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



4 RF WARNING SIGN — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



5 INFORMATION SIGN — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



HAZARD RATINGS:

NINE O'CLOCK:	HEALTH
TWELVE O'CLOCK:	FLAMMABILITY
THREE O'CLOCK:	INSTABILITY
SIX O'CLOCK:	SPECIAL

REFERENCES:
NFPA 704
UFC 7901.9
IFC 2703.5

6 FUEL STORAGE SIGN — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

7 NO TRESPASSING SIGN — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

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PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

SITE SIGNAGE DETAILS

SHEET NO.

A8.0

ATTACHMENT G.22

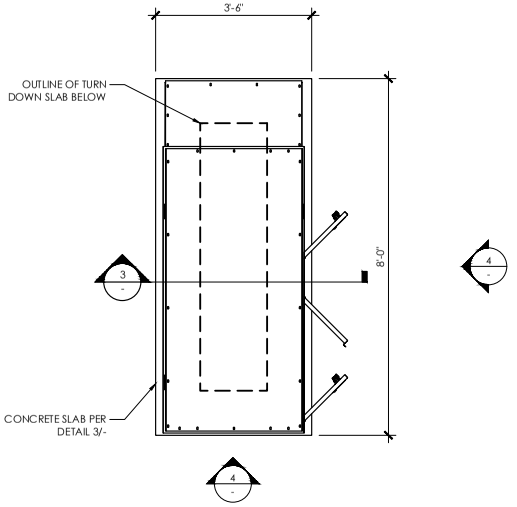
1. ATTACH GENERATOR TO CONC. PAD PER DETAIL 3 ON THIS SHEET (SEE GENERATOR SPECIFICATIONS FOR CONNECTION LOCATIONS). GENERATOR SHALL BE MOUNTED IN THE CENTER OF CONCRETE PAD.
2. CONTRACTOR SHALL APPLY FOR A FLAMMABLE/COMBUSTIBLE TANK PERMIT WITH FIRE DEPARTMENT PRIOR TO INSTALLATION IF REQUIRED.
3. STORAGE, USE, DISPENSING, MIXING AND HANDLING FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH CHAPTER 57 OF THE 2012 INTERNATIONAL FIRE CODE (IFC). FLAMMABLE AND COMBUSTIBLE LIQUIDS.
4. PERMANENT PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 9, SECTION 906 OF THE 2012 INTERNATIONAL FIRE CODE (IFC), PORTABLE FIRE EXTINGUISHERS.
5. WARNING SIGNS SHALL BE OF A DURABLE MATERIAL WITH RED LETTERING ON A WHITE BACKGROUND AND SHALL READ "DANGER-FLAMMABLE LIQUIDS". LETTERS SHALL NOT BE LESS THAN 3 INCHES (76.2 MM) IN HEIGHT AND ½ INCH (12.7 MM) IN STROKE IN ACCORDANCE WITH SECTION 5703.5 OF THE 2012 INTERNATIONAL FIRE CODE (IFC).
6. THIS TANK SHALL BEAR A LABEL OR PLACARD IDENTIFYING THE MATERIAL CONTAINED WITHIN IN ACCORDANCE WITH SECTION 5704.2.3 OF THE 2012 INTERNATIONAL FIRE CODE (IFC).
7. CONNECTIONS FOR TANK OPENINGS SHALL BE LIQUID TIGHT. OPENINGS TO TANKS SHALL BE LOCATED OUTSIDE OF BUILDINGS AT A LOCATION FREE FROM SOURCES OF IGNITION AND NOT LESS THAN 5 FEET (1524 MM) AWAY FROM BUILDING OPENINGS OR OF LINES OF PROPERTY THAT CAN BE BUILT ON. SUCH OPENINGS SHALL BE PROVIDED WITH A BE LIQUID-TIGHT CAP WHICH SHALL BE CLOSED WHEN NOT IN USE AND SHALL BE PROPERLY IDENTIFIED IN ACCORDANCE WITH SECTION 5704.2.7.5 OF THE 2012 INTERNATIONAL FIRE CODE (IFC).
8. VENT PIPE OUTLETS FOR TANKS STORING CLASS I, II, OR III-A LIQUIDS SHALL BE LOCATED SUCH THAT THE VAPORS ARE RELEASED AT A SAFE POINT OUTSIDE OF BUILDINGS AND NOT LESS THAN 12 FEET (3658 MM) ABOVE THE ADJACENT GROUND LEVEL. VAPORS SHALL BE DISCHARGED UPWARD OR HORIZONTALLY AWAY FROM CLOSELY ADJACENT WALLS TO ASSIST IN VAPOR DISPERSION. VENT OUTLETS SHALL BE LOCATED SUCH THAT FLAMMABLE VAPORS WILL NOT BE TRAPPED BY EAVES OR OTHER OBSTRUCTIONS AND SHALL BE AT LEAST 5 FEET (1524 MM) FROM BUILDING OPENINGS OR PROPERTY LINES OF PROPERTIES THAT CAN BE BUILT ON IN ACCORDANCE WITH SECTION 5704.2.7.3 THROUGH 5704.2.7.3.6 OF THE 2012 INTERNATIONAL FIRE CODE (IFC).
9. CONDUIT STUB UP LOCATIONS FOR GENERATOR SHALL BE DETERMINED BY VERIZON WIRELESS REPRESENTATIVE, CONTRACTOR, AND GENERATOR MANUFACTURER.

1 NOTES

NOTES:
1. WEIGHT: 3157 LBS (APPROX. 4,578 LBS W/ FUEL)
2. DIMENSIONS: 100.0" H X 94.8" W X 38.0" D
3. ENCLOSURE: SINGLE-SIDE SVC, RIGHT, ALUM. 190 MPH WIND RATED
4. FUEL TANK: 210 GALLON UL LISTED DOUBLE-WALL WITH 125% CONTAINMENT
5. SOUND LEVEL: 64.7 DBA @ 23 FT
6. COORDINATE CONDUIT STUB UPS PER NOTE #6/D109

ENGINE: TBD	BASE: FORMED STEEL
GENERATOR: 6671-ALM-210	ENCLOSURE: L3
RADIATOR AMBIENT: 50C	TANK: 210 GALLON
CONTROL PANEL: NFPA110 COMP.	MUFFLER: 3 1/2 CRITICAL

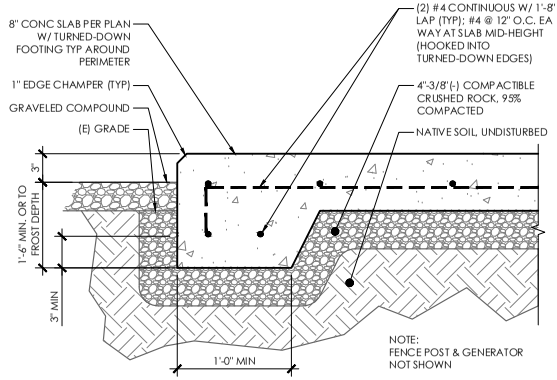
SEE SHEET A9.1 FOR MFG. GENERATOR DETAILS



2 GENERATOR PLAN

11X17 SCALE: NTS
22 X 34 SCALE: NTS

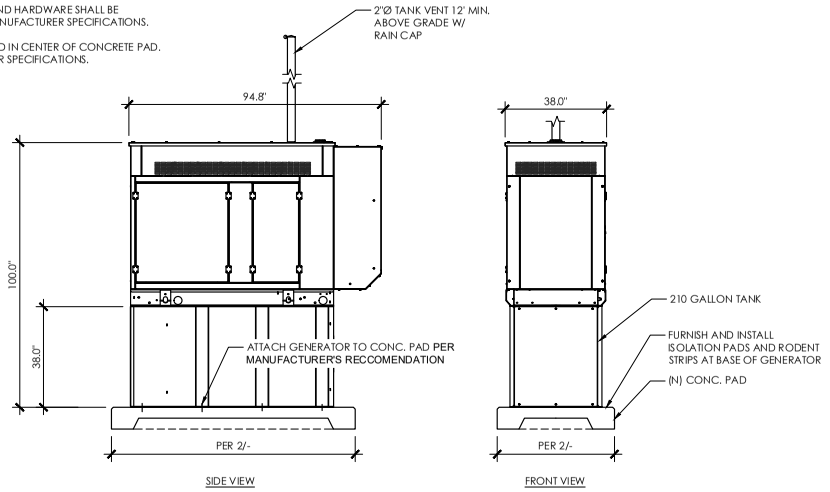
NOTES:
1. SEE STRUCTURAL CONCRETE NOTES ON SHEET GN2.0.
2. ANCHOR GENERATOR TO SLAB PER MANUFACTURER'S RECOMMENDATIONS.
3. SOIL SHALL BE PREPARED WITH A FLAT SURFACE, FREE AND CLEAR OF STANDING WATER AND LOOSE DEBRIS. SOIL SHOULD BE WELL COMPACTED TO 90% OF ITS MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
4. TOP SURFACE OF SLAB SHALL BE A LIGHT BROOM FINISH AND TAPERED TO ALLOW WATER TO SHED WITHOUT PONDING.



3 TYPICAL CONCRETE PAD SECTION

11X17 SCALE: NTS
22 X 34 SCALE: NTS

NOTES:
1. ALL GENERATOR EQUIPMENT AND HARDWARE SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS.
2. GENERATOR SHALL BE MOUNTED IN CENTER OF CONCRETE PAD. SEE SHEET D109 FOR GENERATOR SPECIFICATIONS.



4 GENERATOR ELEVATIONS

11X17 SCALE: NTS
22 X 34 SCALE: NTS

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PROJECT INFORMATION

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1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

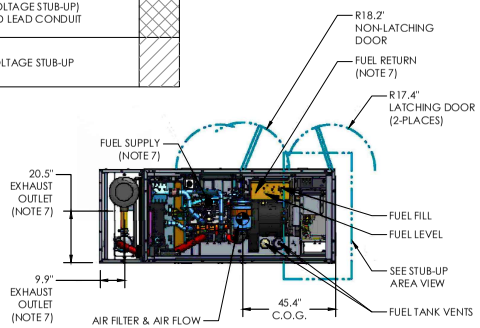
GENERATOR DETAILS

SHEET NO.

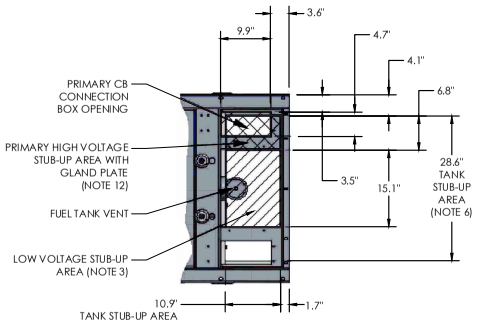
A9.0

ATTACHMENT G.23

RECOMMENDED ELECTRICAL STUB-UP	
(HIGH VOLTAGE STUB-UP) AC LOAD LEAD CONDUIT	
(LOW VOLTAGE STUB-UP	

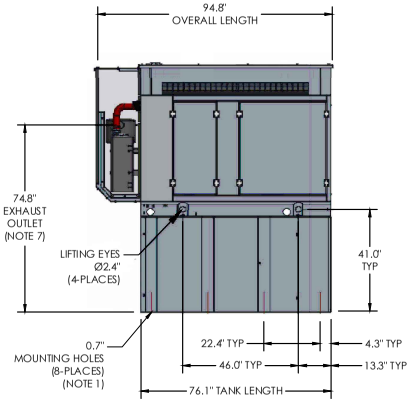


TOP VIEW
(SHOWN WITH ROOF PANELS REMOVED)

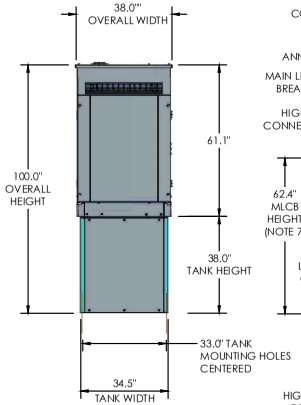


STUB-UP AREA VIEW
(2x SCALE)

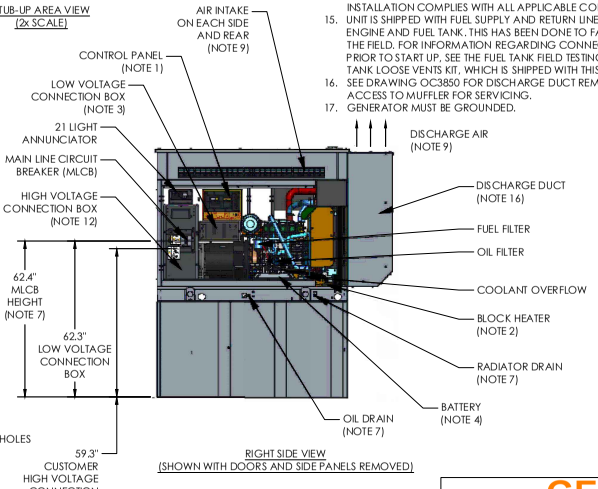
NOTES:
1. CONTROL PANEL INCLUDES BATTERY CHARGER WITH THREE PRONG CORD.
2. 1500W 120 VAC ENGINE BLOCK HEATER WITH THREE PRONG CORD.
3. CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX. BOTTOM HAS KNOCKOUTS FOR 1/2" AND 3/4" CONDUIT FITTINGS. (USE LOW VOLTAGE STUB-UP AREA).
4. BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
5. MAIN LINE CIRCUIT BREAKER (MLCB) (MLCB HEIGHT MAY VARY WITH CB SELECTION) AC LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
6. CENTER OF GRAVITY & WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS.
7. ENGINE SERVICE CONNECTION:
   - INLET DIESEL - 3/8" NPT
   - RETURN DIESEL - 3/8" NPT
   - OIL DRAIN - 1/2" NPT
   - RADIATOR DRAIN - 1/2" NPT
   - EXHAUST OUTLET - 2.5" I.D.
8. STUB-UPS: BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
9. GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR IS NOT RE-CIRCULATED. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
10. BOTTOM OF GENERATOR SET MUST BE CLOSED TO PREVENT PEST INTRUSION AND RE-CIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
11. BOLTS OR STUDS USED TO MOUNT UNIT TO PAD SHALL BE 5/8-11 GRADE 5. USE STANDARD SAE TORQUE SPECS.
12. HIGH VOLTAGE STUB-UP AREA INCLUDES THE AC LOAD LEAD CONNECTION TO MLCB, NEUTRAL CONNECTION AND AUXILIARY 120/240V CONNECTION.
13. 210 GALLON USEABLE CAPACITY BASETANK STANDARD WITH GENERATOR.
14. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.
15. UNIT IS SHIPPED WITH FUEL SUPPLY AND RETURN LINES DISCONNECTED AND PLUGGED BETWEEN ENGINE AND FUEL TANK. THIS HAS BEEN DONE TO FACILITATE PRESSURE TESTING OF THE TANK IN THE FIELD. FOR INFORMATION REGARDING CONNECTING THE FUEL SUPPLY AND RETURN LINES PRIOR TO START UP, SEE THE FUEL TANK FIELD TESTING PROCEDURE (0E5082) SUPPLIED IN THE TANK LOOSE VENTS KIT, WHICH IS SHIPPED WITH THIS GENERATOR.
16. SEE DRAWING OC3850 FOR DISCHARGE DUCT REMOVAL. REMOVAL OF DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.
17. GENERATOR MUST BE GROUNDED.



LEFT SIDE VIEW
SHOWN WITH DUCT SIDE PANEL REMOVED



REAR VIEW



RIGHT SIDE VIEW
(SHOWN WITH DOORS AND SIDE PANELS REMOVED)

DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

WEIGHT DATA: (INCLUDES FUEL TANK)
GENERATOR: 3,046 LBS
GENERATOR WITH SHIPPING SKID: 3,176 LBS

INSTALLATION DRAWING

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ELECTRONICALLY APPROVED
INSIDE WINDCHILL

GENERAC®

TITLE
INSTALL D2.2L G22
30KW SSS L2A Y02

ISSUE DATE: 12/18/17

SIZE	CAGE NO	DWG NO	REV
B	N/A	10000019121	A

SCALE 0.025 | WT-KG | SEE ABOVE | SHEET 1 OF 1

SH 1/1 | REV A | WINDCHILL VERSION A.6

1 GENERATOR DETAILS

11X17 SCALE: NTS
22 X 34 SCALE: NTS

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1	12/13/21	PRELIM CONST. DRAWINGS
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PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

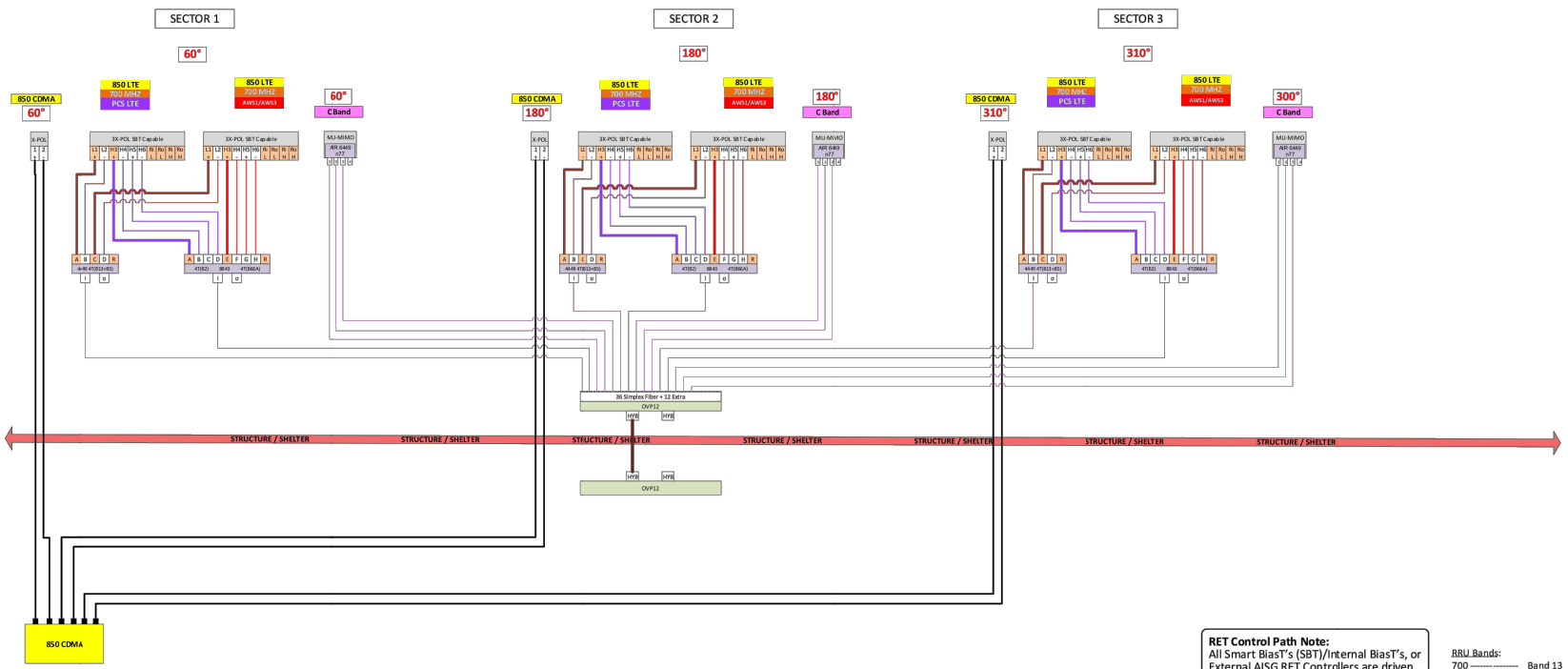
GENERATOR DETAILS

SHEET NO.

A9.1

ATTACHMENT G.24

(005801, 305801) POR DALLAS RELO [3 Sectors – 4x4 RET RRH (700, 850, PCS, AWS1, AWS3) + CDMA(850)]
[5G n77 – 3 Sector]



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

Example:
Antenna port '1' driven by RRH port 'A'

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

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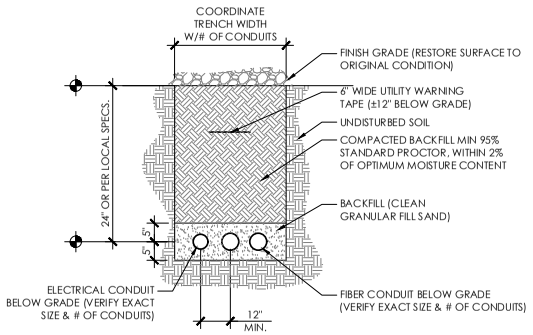
SHEET TITLE

RF PLUMBING DIAGRAM

SHEET NO.

RF1.0

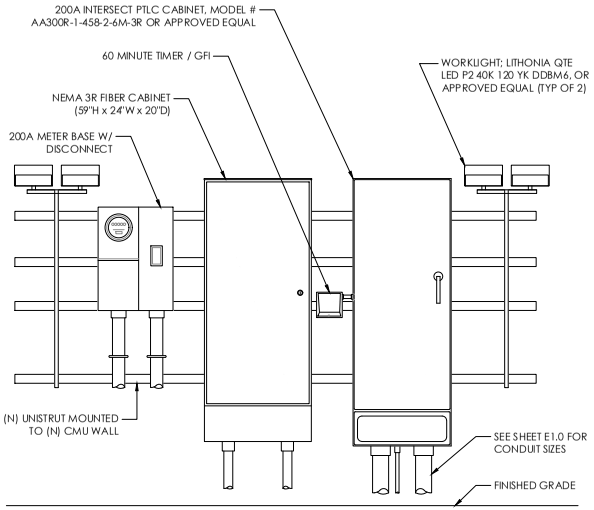
ATTACHMENT G.25



NOTES:

1. INSTALL ALL UNDERGROUND UTILITIES PER LOCAL UTILITY REQUIREMENTS.
2. LOCATE ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING / EXCAVATION.
3. COORDINATE SIZE, TYPE, AND STUB-UP LOCATIONS WITH LOCAL UTILITY COMPANIES REQUIREMENTS.
4. REFER TO ELECT PLAN FOR EXACT SIZE AND LOCATION.
5. ALL SWEEPS TO HAVE A MINIMUM BENDING RADIUS OF 36" UNLESS NOTED OTHERWISE.
6. CONTRACTOR TO MAINTAIN MIN. SEPARATION REQUIREMENTS BETWEEN MULTIPLE CONDUITS PER LOCAL UTILITY REQUIREMENTS.
7. COMPACT BACKFILL TO 95% PROCTOR DENSITY AT ALL DRIVEWAY OR HARD SURFACED AREAS. COMPACT TO 90% PROCTOR DENSITY ALL OTHER AREAS UNLESS NOTED OTHERWISE, REFER TO GEOTECHNICAL REPORT.
8. CONTRACTOR TO RESTORE TRENCH TO ITS ORIGINAL CONDITION BY SEEDING / SODDING GRASS AREAS, OR REPLACING ASPHALT / CONCRETE TO THEIR ORIGINAL CROSS SECTION.
9. CONTRACTOR TO OBTAIN NECESSARY PERMITS FOR ALL RIGHT-OF-WAY WORK.

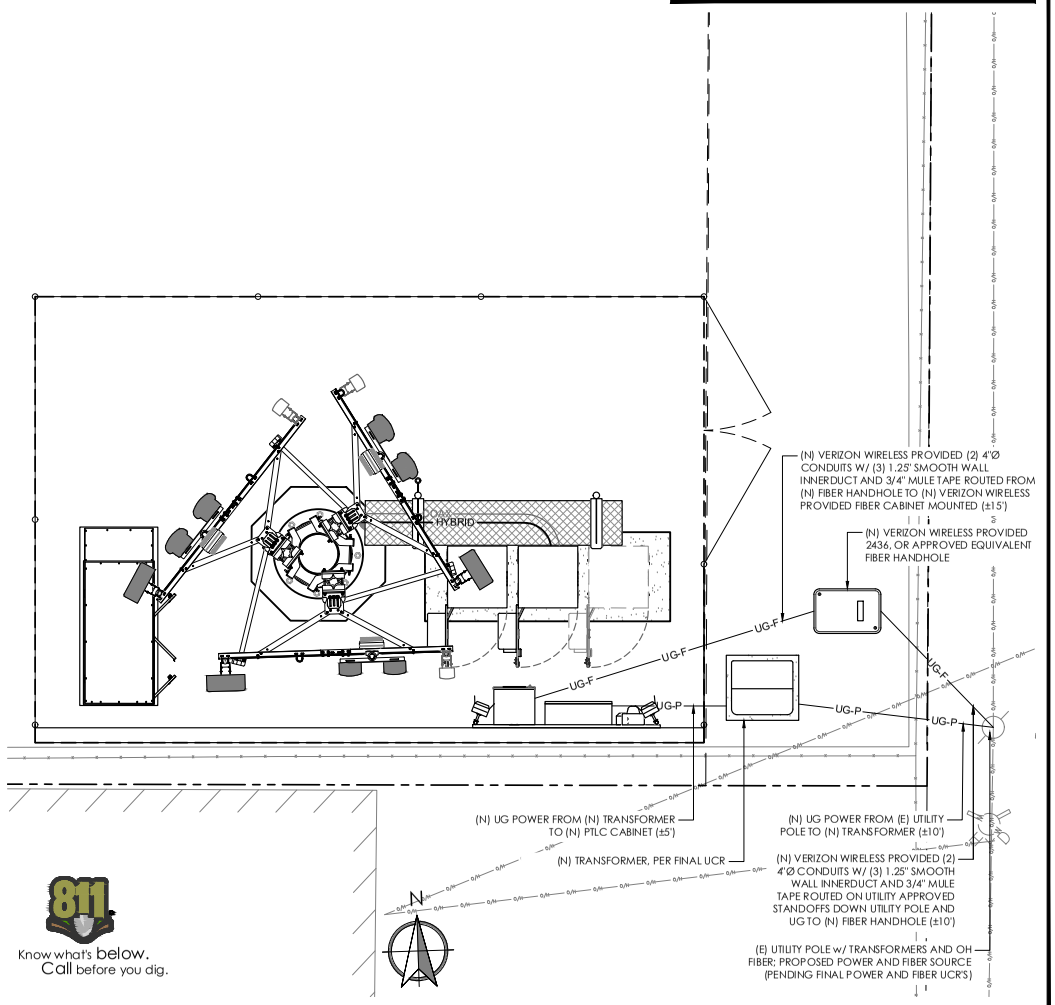
1 UTILITY TRENCH — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



2 UTILITY H-FRAME — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

NOTES:

1. CONTRACTOR TO CONFIRM WITH VERIZON REPRESENTATIVE AND UTILITY COORDINATION REPORT (UCR), FINAL UTILITY SOURCES AND ROUTES PRIOR TO CONSTRUCTION.
2. LOCATIONS OF PROPOSED UTILITY ROUTES INDICATED ON PLANS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.



811 Know what's below. Call before you dig.

3 UTILITY SITE PLAN — 11 X 17 SCALE: 1" = 1'-0"; 22 X 34 SCALE: 2' = 1'-0"; 0' 0'-6" 1' 2'

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1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

UTILITY SITE PLAN

SHEET NO.

E1.0

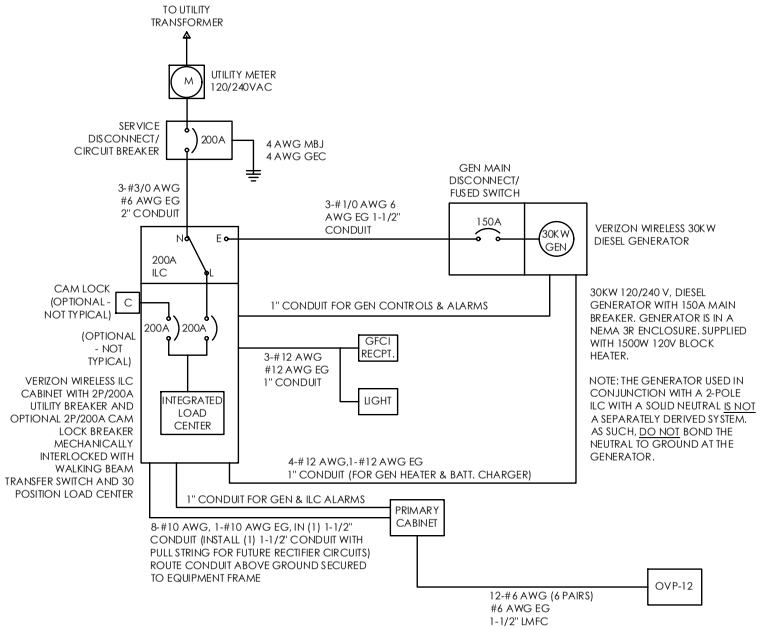
ATTACHMENT G.26

COMMON VzW DC PLANT RECTIFIER REQUIREMENTS

RECTIFIER	INPUT FLA CURRENT AT 240 VAC (EACH RECTIFIER)	2 RECT / BRANCH CIRCUIT ALTERNATE APPROACH	1 RECT / BRANCH CIRCUIT ALTERNATE APPROACH
VERTIV 3500W (R48-2000e3 OR SIM)	15.5 AMPS	40A/2P (OR 45A/2P) # 8 THHN	30A/2P # 10 THHN
GE 75A (NE075AC48xxxx OR SIM)	22 AMPS (MAX.)	60A/2P # 6 THHN	30A/2P # 10 THHN
OTHER - COORD W/ VENDOR	REFER TO CUT SHEETS	REFER TO CUT SHEETS	REFER TO CUT SHEETS

LOAD CALCULATION	
LOAD	AMPS
PROPOSED LOAD:	123.0
TOTAL DEMAND:	129.0
VOLTAGE: 120/240V SINGLE PHASE 3W 200A	

NOTE: PANEL SCHEDULE AND SINGLE LINE DIAGRAM REPRESENT A SITE WITH A NEW GE POWER PLANT, 30kW DIESEL GENERATOR, AND TWO SOURCE ILC (THREE SOURCE ILC OPTIONAL AS NEEDED). ADJUST AS NECESSARY PER LOCAL SITE CONDITIONS.



ELECTRICAL SINGLE LINE DIAGRAM

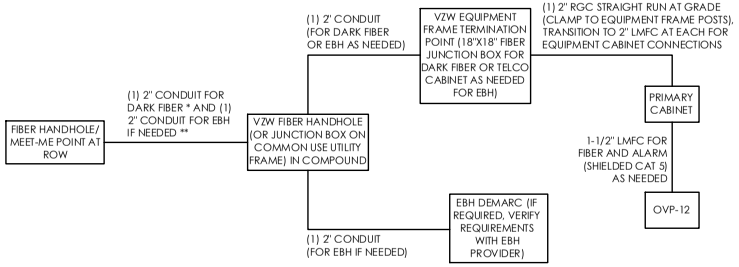
NOTES:
1. ALL EQUIPMENT SHALL BE NEMA 3R RATED.
2. ALL EQUIPMENT SHALL BE LIGHTNING PROTECTED IN ACCORDANCE WITH TIA-222-G AND VERIZON WIRELESS STANDARDS.
3. CONDUCTOR SIZES AND DISTANCES HAVE BEEN SIZED FOR 3% MAX VOLTAGE DROP (TOTAL SYSTEM VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST DEMAND SHALL NOT EXCEED 5%).
4. WIRE SIZING AND MAXIMUM DISTANCE FROM GENERATOR TO ILC ASSUMES POWER FACTOR OF 0.9.
5. BELOW GRADE CONDUIT SHALL BE SCHEDULE 80 PVC. ABOVE GRADE CONDUIT SHALL BE GALVANIZED RIGID CONDUIT. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO GRC PRIOR TO RISING ABOVE GRADE. ALL BENDS SHALL HAVE A MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST IF NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.

PANEL NAME:	VZW ILC			MODEL NUMBER:	INTERSECT AA300G-1PH-3R									
RATED VOLTAGE:	240	120	VOLTS	PHASE/WIRE:	1 3									
MAIN BREAKER:	200	AMPS		BUS RATING:	200			KEY DOOR LATCH:	YES					
MOUNT:	SURFACE			NEUTRAL BAR:	YES			HINGED DOOR:	YES					
ENCLOSURE TYPE:	NEMA 3R			AIC:	65K									

POS	USAGE FACTOR	BUS AMPS L1	BUS AMPS L2	LOAD	POLES	AMPS	L1	L2	POLES	AMPS	LOAD	BUS AMPS L1	BUS AMPS L2	USAGE FACTOR	POS
1	1	18		RECTIFIER	2	30A			30A	2	FUTURE RECTIFIER	18		1	2
3	1		18										18	1	4
5	1	18		RECTIFIER	2	30A			30A	2	FUTURE RECTIFIER	18		1	6
7	1		18										18	1	8
9	1	18		RECTIFIER	2	30A								1	10
11	1		18											1	12
13	1	18		RECTIFIER	2	30A									14
15	1		18												16
17	1.25	12		GFI RECEPT. /LIGHT	1	20A									18
19	1.25		12	BLOCK HEATER	1	20A									20
21	1.25	5		BATT. CHARGER	1	20A									22
23															24
25															26
27															28
29															30
		93.25	87	:SUB TOTAL AMPS							SUB TOTAL AMPS:	36	36		
											FACTORED TOTAL AMPS:	129.25	123		

NOTES:
1. ALL CONDUCTORS ARE TYPE THWN (75°C) COPPER.
2. MAXIMUM LENGTH OF RUN FOR RECTIFIER CIRCUITS IS 50FT.
3. INTERSECT/ GENERAC INTEGRATED LOAD CENTER INCLUDES 200 AMP MAIN DISCONNECT AND TRANSFER SWITCH FOR PORTABLE OR PERMANENT GENERATOR.
4. RECTIFIER LOADS ARE CONSIDERED TO BE NON-CONTINUOUS.
5. IF ADDITIONAL FUTURE LOADS ARE ADDED WHICH CAUSE TOTAL DEMAND TO EXCEED GENERATOR BREAKER SIZE, BACKUP POWER SYSTEM SHALL BE EVALUATED AND UPGRADED AS NECESSARY.

PANEL SCHEDULE



FIBER SINGLE LINE DIAGRAM

* ADD (1) ADDITIONAL 2" CONDUIT FOR DARK FIBER (2 TOTAL) IF REQUIRED BY LOCAL MARKET FACILITIES. VERIFY PRIOR TO CONSTRUCTION. (ADD 2 PULL STRINGS TO EACH CONDUIT)

** VERIFY EBH REQUIREMENTS WITH TELCO PROVIDER PRIOR TO CONSTRUCTION. (ADD 2 PULL STRINGS TO EACH CONDUIT)

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PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

ELEC. DIAGRAM & PANEL SCHED.

SHEET NO.

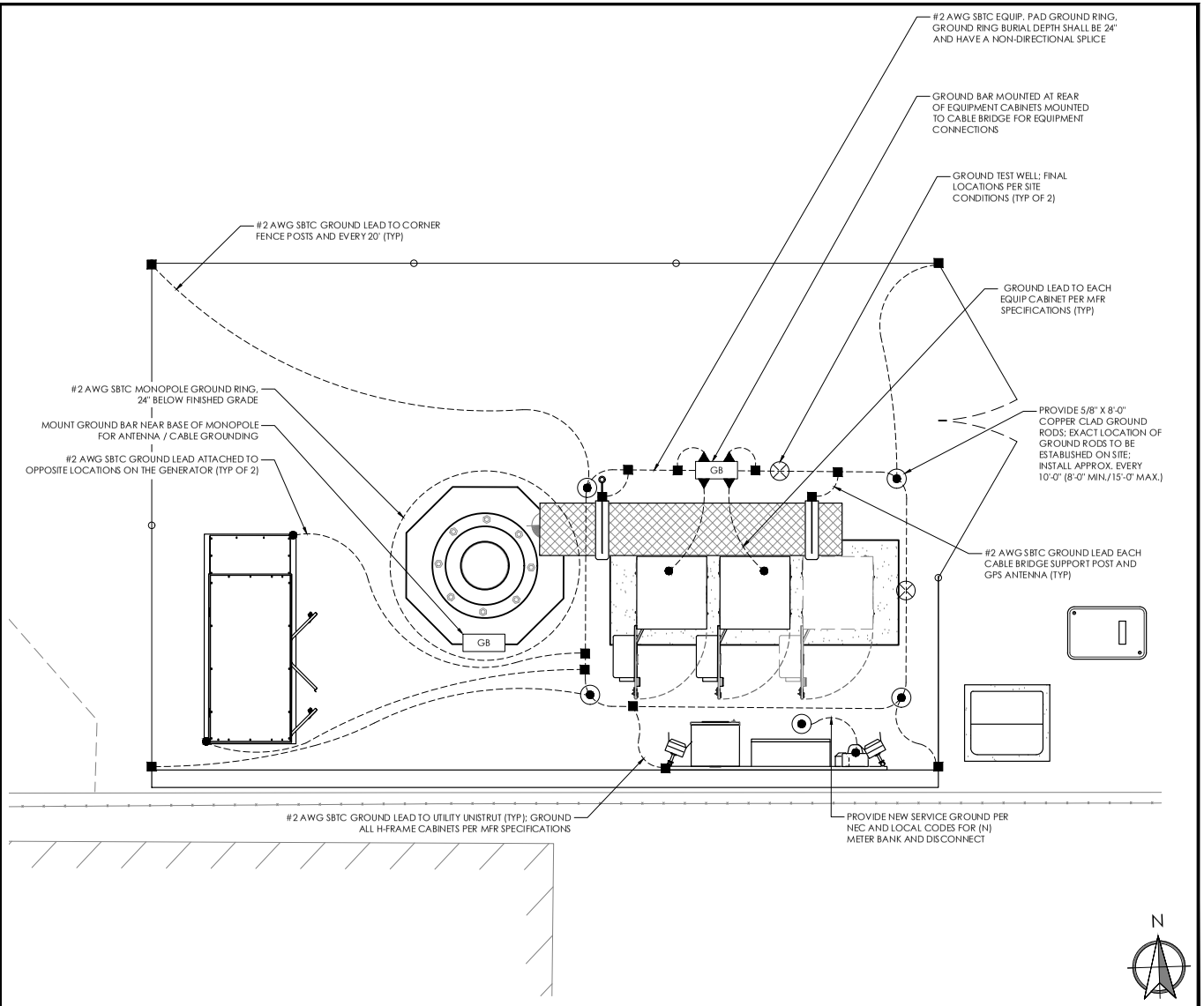
E2.0

ATTACHMENT G.27

1. DEPICTION OF GROUNDING DESIGN IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR TO DETERMINE FINAL ROUTING PER EXISTING SITE CONDITIONS.
2. GROUNDING SHALL COMPLY WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
3. ALL GROUNDING SHALL CONFORM TO THE CURRENT CARRIER STANDARDS.
4. MINIMUM BENDING RADIUS FOR GROUND CONDUCTOR IS 8", WHEN BENDING IS NECESSARY. GROUND CONDUCTORS ARE TO BE AS STRAIGHT AS POSSIBLE.
5. ALL ABOVE GRADE GROUND LEADS TO BE SHEATHED IN CARFLEX-X-FLEX™ FLEXIBLE CONDUIT OR APPROVED EQUAL.
6. 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.
7. NO SPLICES PERMITTED IN GROUND CONDUCTORS.
8. ALL GROUNDING CONNECTORS TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE PENETROX OR APPROVED EQUAL ANTIOXIDANT GREASE.
9. ENSURE ALL MECHANICAL CONNECTORS ARE TORQUED TO THE MANUFACTURER'S SPECIFIED VALUES.
10. MULTIPLE BONDS ON GROUND RODS TO BE SEPARATED BY AT LEAST 6'.
11. MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED A RESISTANCE OF 5 OHMS TO EARTH.
12. GROUND WIRES SHALL NOT BE INSTALLED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS TO PRECLUDE ESTABLISHING A "CHOKE" POINT.
13. FERROUS METAL CLIPS WHICH COMPLETELY SURROUND THE GROUND WIRE SHALL NOT BE USED. METAL CLIPS THAT DO NOT COMPLETELY SURROUND THE GROUND WIRE OR PLASTIC CLIPS ARE ACCEPTABLE.
14. ALL OUTDOOR CONNECTIONS TO BE EXOTHERMIC CADWELD, INTERIOR CONNECTIONS CAN BE A PROPERLY APPLIED CRIMP TYPE UNLESS OTHERWISE SPECIFIED.
15. GROUND BARS SHALL NOT BE FIELD MODIFIED.
16. ALL HORIZONTAL FENCE SECTIONS TO BE GROUNDED WITH 8" SINGLE BARREL GROUND STRAPS.
17. GROUND RING BURIAL DEPTH SHALL BE 24" AND HAVE A NON-DIRECTIONAL SPLICE.
18. 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. VERIZON WIRELESS SHALL BE GIVEN 24 HOURS NOTICE BEFORE TESTING IS TO BE DONE. THE COST ASSOCIATED WITH GROUND TESTING WILL BE AT THE EXPENSE OF THE CONTRACTOR.
19. PROVIDE #2 TW GREEN JUMPER FROM EACH CABLE BRIDGE POST TO CABLE BRIDGE CHANNEL.

LEGEND

- GROUND TEST WELL
- GROUND ROD
- CAD WELD CONNECTION
- MECHANICAL CONNECTION (DOUBLE HOLE LUG)
- CONNECT PER MFR SPECIFICATIONS
- GB — GROUND BAR



1 GROUNDING PLAN

11X17 SCALE: NTS
22 X 34 SCALE: NTS

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1500 SE HOWE STREET
DALLAS, OR 97338

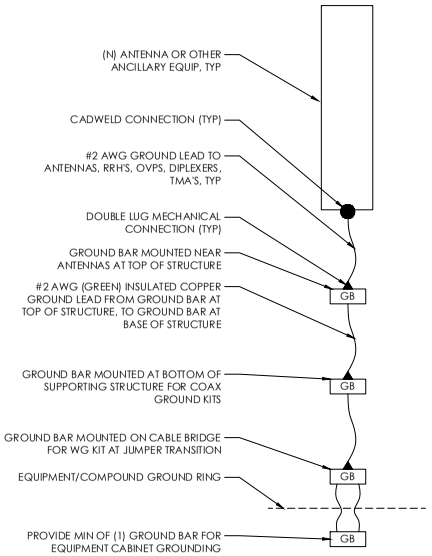
SHEET TITLE

GROUNDING PLAN

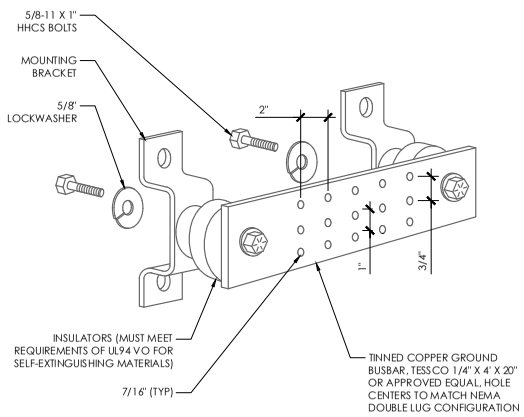
SHEET NO.

E3.0

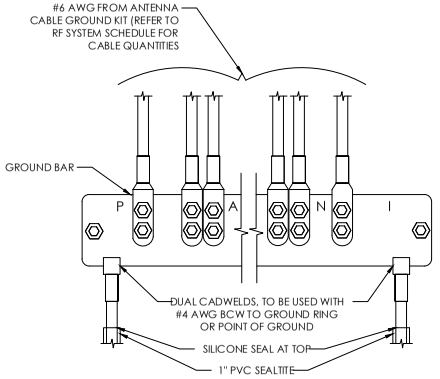
ATTACHMENT G.28



1 ANTENNA / EQUIP GROUNDING — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



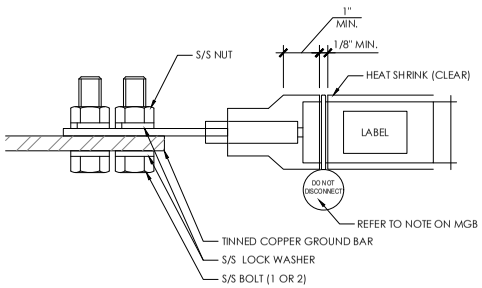
2 GROUND BAR — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



NOTES:

1. CONTRACTOR TO CONFORM TO THE LATEST VERIZON WIRELESS "PANI" STANDARDS.

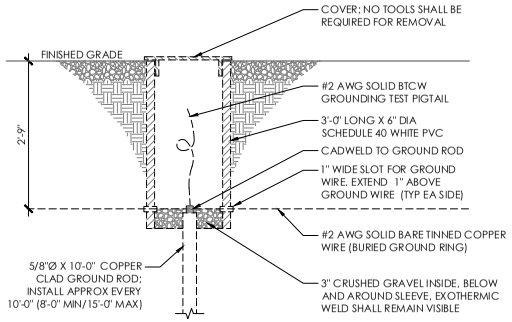
2 GROUND BAR TO GROUND WIRE — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



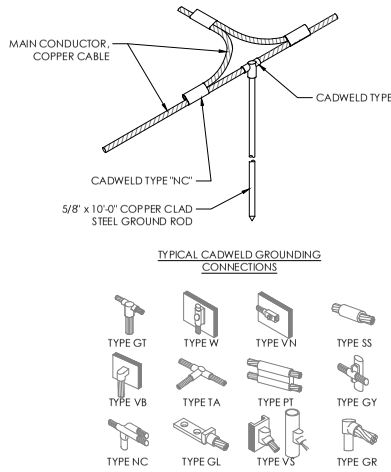
NOTES:

1. FOR GROUND BOND TO STEEL ONLY: INSERT A DRAGON TOOTH WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH KOPR-SHIELD.
2. ALL HARDWARE 18/8 STAINLESS STEEL INCLUDING LOCK WASHER, COAT ALL SURFACES WITH KOPR-SHIELD BEFORE MATCHING.
3. PROVIDE 'DO NOT DISCONNECT' TAG.

4 TYPICAL LUG — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



5 GROUND TEST WELL — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS



6 GROUND RING / CADWELD CONN — 11X17 SCALE: NTS; 22 X 34 SCALE: NTS

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PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

GROUNDING DETAILS

SHEET NO.

E4.0

ATTACHMENT G.29

GENERAL CONSTRUCTION NOTES

1. ALL WORK SHALL ADHERE TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE (LATEST EDITION), AND ALL OTHER APPLICABLE CODES AND ORDINANCES AS REQUIRED BY THE JURISDICTION.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND THE CARRIER INTEGRATED CONSTRUCTION STANDARDS FOR WIRELESS SITES (LATEST REVISION). SPECIFICATIONS ARE THE RULING DOCUMENTS, AND ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD (EOR) PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. THE DRAWINGS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. FIELD CONDITIONS INCLUDING DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN IN THE DRAWINGS PRIOR TO PROCEEDING WITH CONSTRUCTION, IS REQUIRED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE EOR PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
5. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, AND SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
6. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
7. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
4. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF BUILDINGS & GROUNDS AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
12. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
13. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
14. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
15. REPAIR ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
16. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
17. KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
18. MINIMUM BEND RADIUS OF ANTENNA CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
19. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, 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, SUBJECT TO THE APPROVAL OF THE ENGINEER.
20. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN CONFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES.
21. LIGHT SHADED LINES AND NOTES REPRESENT WORK PREVIOUSLY DONE. DARK SHADED LINES AND NOTES REPRESENT THE SCOPE OF WORK FOR THIS PROJECT. CONTRACTOR SHALL VERIFY IF EXISTING CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
22. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND/OR WIRING CERTIFICATES REQUIRED FOR THE ELECTRICAL SERVICE UPGRADE. IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY COORDINATION AND SCHEDULING WITH THE SERVING ELECTRICAL UTILITY AND LOCAL INSPECTION AUTHORITIES.
23. CONTRACTOR TO VERIFY ALL ASPECTS OF THE EXISTING STRUCTURE FOR CONFORMITY WITH THE VALUES SHOWN IN THESE DRAWINGS AND NOTIFY THE E.O.R. IF ANY DISCREPANCIES ARE FOUND. ALL ELEMENTS OF EXISTING STRUCTURE TO REMAIN UNDISTURBED, U.N.O.

SITE WORK NOTES

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. DO NOT SCALE BUILDING DIMENSIONS FROM DRAWING.
3. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
4. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NOT RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
5. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
6. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
8. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
10. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY.
11. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
12. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
13. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
14. CONTRACTOR SHALL CLEAN ENTIRE SITE DAILY AFTER CONSTRUCTION SUCH THAT NO PAPERS, THRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
15. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
16. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

FOUNDATION, EXCAVATION AND BACKFILL NOTES

1. ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL.
2. ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.
3. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF INADEQUATE BEARING CAPACITY IS REACHED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.
4. ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIALS SUCH AS EARTH, LOAM SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.
5. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557.
6. NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HRS PRIOR TO BACK FILLING.
7. FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS. PROVIDE SURFACE FILL GRAVEL TO ESTABLISH SPECIFIED ELEVATIONS WHERE REQUIRED.
8. NEWLY GRADED SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY "CONSTRUCTION MATERIAL 1-800-239-3841" OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICH EVER IS GREATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED. I.E. FDOT TYPE No. 57 FOR FENCED COMPOUND; FDOT TYPE No. 67 FOR ACCESS DRIVE AREA.
9. IN ALL AREAS TO RECEIVE FILL, REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.
10. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RE-COMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.
11. IN AREAS WHICH EXISTING GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.
12. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED WITH THE CONDITION THAT ANY UNFAVORABLE AMOUNTS OF ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ANY ADDITIONAL GRAVEL RESURFACING MATERIALAS NEEDED TO PROVIDE A FULL DEPTH COMPACTED SURFACE THROUGHOUT SITE.
13. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUB GRADE.
14. PROTECT EXISTING GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE.
15. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
16. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.
17. FOUNDATION DESIGN IS BASED UPON 1,500 PSF ALLOWABLE BEARING PRESSURE. INDEPENDENT SOILS TESTING BY A LICENSED GEOTECHNICAL ENGINEER IS STRONGLY RECOMMENDED TO VERIFY SOIL BEARING CAPACITY, SLOPE STABILITY, AND ALL OTHER APPLICABLE SOILS PARAMETERS.

STRUCTURAL STEEL NOTES

1. ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW:
   W-SHAPES: ASTM A992, 50 KSI
   ANGLES, BARS CHANNELS: ASTM A36, 36 KSI
   HSS SECTIONS: ASTM 500, 46 KSI
   PIPE SECTIONS: ASTM A53-E, 35 KSI
2. ALL EXTERIOR EXPOSED STEEL AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP. ALL WELDING SHALL BE PERFORMED IN AN APPROVED SHOP.
4. ALL BOLTS FOR STEEL TO STEEL CONNECTIONS TO BE PER ASTM A325. HOLES TO BE 1/16" DIA. LARGER THAN BOLT, U.N.O.
5. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8"Ø ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
6. FIELD MODIFICATIONS ARE TO BE COATED WITH ZINC ENRICHED PAINT.
7. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH AND DIAMETER. LOCATE AND AVOID CUTTING EXISTING REBAR OR TENDONS WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS OR CONCRETE WALLS.
8. USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER ICC & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES. THIRD PARTY SPECIAL INSPECTION IS REQUIRED FOR CONCRETE EXPANSION ANCHORS (I.E. SIMPSON STRONG-BOLT 2 WEDGE ANCHORS PER ESR-3037). INSTALLATION OF WEDGE ANCHORS IN MASONRY IS NOT PERMITTED.

verizon

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DRAWING VERSION

VER.	DATE	DESCRIPTION
1	12/13/21	PRELIM CONST. DRAWINGS
2	01/04/22	CLIENT COMMENT

LICENSER

PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

GENERAL NOTES

SHEET NO.

GN1.0

ATTACHMENT G.30

STRUCTURAL CONCRETE NOTES

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 318-11 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE FOR SLABS ON GRADE, SHELTER FOUNDATION, AND PIER FOUNDATIONS FOR FENCES, ICE BRIDGE, AND H-FRAME SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH fc'=3,000 PSI AT 28 DAYS UNLESS NOTED OTHERWISE. SPECIAL INSPECTION REQUIRED AS NOTED.
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 UNLESS NOTED OTHERWISE.
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.....1 1/2 IN.

   CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
   SLAB AND WALL.....3/4 IN.
   BEAMS AND COLUMNS.....1 1/2 IN.
5. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE U.N.O. IN ACCORDANCE WITH ACI 301, LATEST EDITION, SECTION 4.
6. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS.
7. USE AND INSTALLATION OF CONCRETE ADHESIVE AND EXPANSION/WEDGE ANCHORS SHALL BE PER ICC & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES.
8. FOUNDATION DESIGN IS BASED ON PRESUMPTIVE SOIL PARAMETERS. IT IS STRONGLY RECOMMENDED THAT INDEPENDENT SOILS TESTING BE PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER TO VERIFY SOIL BEARING CAPACITY, SLOPE STABILITY, AND ALL OTHER RELATED SOIL PARAMETERS.

STRUCTURAL STEEL NOTES

1. ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW:
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2. ALL EXTERIOR EXPOSED STEEL AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP. ALL WELDING SHALL BE PERFORMED IN AN APPROVED SHOP.
4. ALL BOLTS FOR STEEL TO STEEL CONNECTIONS TO BE PER ASTM A325. HOLES TO BE 1/16" DIA. LARGER THAN BOLT, U.N.O.
5. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8"Ø ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
6. FIELD MODIFICATIONS ARE TO BE COATED WITH ZINC ENRICHED PAINT.
7. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH AND DIAMETER. LOCATE AND AVOID CUTTING EXISTING REBAR OR TENDONS WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS OR CONCRETE WALLS.
8. USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER ICC & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES. THIRD PARTY SPECIAL INSPECTION IS REQUIRED FOR CONCRETE EXPANSION ANCHORS (I.E. SIMPSON STRONG-BOLT 2 WEDGE ANCHORS PER ESR-3037). INSTALLATION OF WEDGE ANCHORS IN MASONRY IS NOT PERMITTED.

SPECIAL INSPECTION NOTES

1. CONTRACTOR SHALL PROVIDE REQUIRED SPECIAL INSPECTIONS PERFORMED BY AN INDEPENDENT INSPECTOR, APPROVED BY CARRIER AND THE LOCAL JURISDICTION, AS REQUIRED BY IBC SECTION 1704 AND 1705 FOR THE FOLLOWING:

   A. STRUCTURAL STEEL:
      i. ALL HIGH STRENGTH BOLT INSTALLATIONS: BOLTING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES N5.6-1, N5.6-2, AND N5.6-3 PER AISC 360-10.
      ii. FIELD WELDING (IF UTILIZED).

   B. BOLTS AND ANCHORS IN CONCRETE:
      i. RETROFIT ANCHORS IN CONCRETE (ASHESIVE/EPOXY, EXPANSION, WEDGE, OR SCREW TYPE ANCHORS): INSPECT SIZE, LENGTH, CLEANLINESS, AND INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.

   C. CONCRETE CONSTRUCTION:
      i. VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH IBC SECTION 1705, TABLE 1705.3.

SPECIAL INSPECTION NOTES

2. PROVIDE SPECIAL INSPECTIONS FOR OTHER ITEMS NOTED ON DRAWINGS TO CONFIRM COMPLIANCE WITH CONTRACT DOCUMENTS.
3. THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THE REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL.
4. CONTINUOUS THIRD PARTY SPECIAL INSPECTION REQUIRED FOR ALL BELZONA 1111 MOUNTED PLATES AND HARDWARE.

INSPECTION OF HIGH-STRENGTH BOLTING (PER AISC 360-10, SECTION N5):

OBSERVATION OF BOLTING OPERATIONS SHALL BE THE PRIMARY METHOD USED TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP INCORPORATED IN CONSTRUCTION ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND THE PROVISIONS OF THE RCSC SPECIFICATION.

(1) FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICATION TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING OF THE INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-2 ARE NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS.
(2) FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INDICATOR METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BOLT METHOD,MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.
(3) FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE CALIBRATED WRENCH METHOD OR THE TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN THEIR ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.

AS A MINIMUM, BOLTING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES N5.6-1, N5.6-2 AND N5.6-3. IN THESE TABLES, THE INSPECTION TASKS ARE AS FOLLOWS:

O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.
QC - QUALITY CONTROL TASKS TO BE PERFORMED BY STEEL FABRICATOR OR ERECTOR
QA - QUALITY ASSURANCE TASKS TO BE PERFORMED BY A SPECIAL INSPECTION AGENCY OR INDIVIDUALS DEFINED BY AWS B5.1, OR INDIVIDUALS QUALIFIED UNDER THE PROVISIONS OF AWS D1.1/D1.1M SUBCLAUSE 6.1.4

TABLE N5.6-1; INSPECTION TASKS PRIOR TO BOLTING

INSPECTION TASKS PRIOR TO BOLTING	QC	QA
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O
PRE-INSTALLATION VERIFICAITON TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	O	O

TABLE N5.6-2; INSPECTION TASKS DURING BOLTING

INSPECTION TASKS DURING BOLTING	QC	QA
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	O
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC *SPECIFICATION*, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O

TABLE N5.6-3; INSPECTION TASKS AFTER BOLTING

INSPECTION TASKS DURING BOLTING	QC	QA
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P

REQUIRED STRUCTURAL OBSERVATION

STRUCTURAL OBSERVATION FOR SEISMIC RESISTANCE: STRUCTURE HEIGHT > 75' PER IBC 1704.5.1

DRAWING ABBREVIATIONS

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

verizon

Urban Wireless Inc.

CAPITAL DESIGN SERVICES
2101 4TH AVE E, SUITE 202
OLYMPIA, WA 98506
360.915.6750
WWW.CAPITALDESIGNSERVICES.COM

DRAWN BY: JG/GS
CHECKED BY: GS

DRAWING VERSION

VER.	DATE	DESCRIPTION
1	12/13/21	PRELIM CONST. DRAWINGS
2	01/04/22	CLIENT COMMENT

LICENSER

PRELIMINARY

PROJECT INFORMATION

SLM DALLAS RELO

1500 SE HOWE STREET
DALLAS, OR 97338

SHEET TITLE

GENERAL NOTES

SHEET NO.

GN2.0

ATTACHMENT G.31

ATTACHMENT G.32

I. PROPOSAL SUMMARY INFORMATION

DATE:	January 11, 2022
APPLICANT:	Verizon Wireless 5430 NE 122nd Ave Portland, OR 97230
REPRESENTATIVE:	Urban Wireless Inc. Shanin Prusia 10376 SE Sunburst Way Happy Valley, OR 97086 shanin@UrbanWirelessInc.com Mobile: 503-720-7295
PROPERTY OWNER:	Robert (Bob) Evans 1369 SE Hawthorne Ave Dallas, OR 97338
REQUEST:	A conditional use approval and landscape variance to relocate an existing communications site to a new 120' monopole, with base station equipment and emergency generator.
LOCATION:	Approximately 1500 SE Howe Street, Dallas, OR
LAND USE DESIGNATION:	IND - Industrial

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II. PROJECT DESCRIPTION

Verizon Wireless currently has a site located on the grain elevator at 1381 SE Jefferson Street in Dallas, OR. The Verizon antennas are located at 100' on the sides of the building. The grain elevator is constructed of wood and sided in sheet metal. (See Exhibit A for existing site photos). Over the years, the upper portion of the grain elevator has deteriorated so that it can no longer support the increasing weight of the antennas. Verizon cannot structurally upgrade the grain elevator to current building code standards. Finding a new location for the site is required to continue providing Verizon customers with data and voice services.

The zoning of the underlying property does not allow for free standing communication towers because of the proximity of residential zoned properties. There are no other 100'existing structures that can be used for collocation. A relocation of the existing site to a new tower is the only option.

III. APPLICABLE STANDARDS

Chapter 3.5 Wireless Communication Facilities (WCF)

3.5.020 Review Procedure
WCF applications shall be reviewed by the Planning Commission through a conditional use process; and shall be subject to site design review.

3.5.030 Visual Impact Area
The visual impact shall be minimized to attempt to limit the visibility to a quarter mile radius from the proposed facility. The applicant shall demonstrate the efforts involved in limiting the visual impact.

This site will be located in the Industrial zone. Verizon will use mounting brackets that bring in the antennas as much as possible. The tower can be painted any color requested by Planning Commission to further reduce visual impacts of the tower. Depending on the preference of the jurisdiction, leaving the tower a galvanized steel color may allow the tower to blend into the surrounding area better and the skyline.

Photo simulations have been attached as Exhibit B.

3.5.040 Application Requirements
In addition to requirements for conditional use and development review applications, an application for a WCF shall include the following:

1. Engineered and scaled drawings of all components of the WCF, including, but not limited to, the support structure, antenna, enclosures and related equipment.

Proposed site drawings have been submitted with application and detail all items of the WCF.

2. Documentation from a registered engineer establishing the structural integrity of the freestanding support structure, or in the case of a building-mounted WCF, of the capacity of the building to safely bear the WCF and of the structural integrity of any support structures.

A letter from the tower vendor has been submitted as evidence of structural integrity and is attached as Exhibit C.

3. A visual study depicting where any portion of the WCF can be seen.

A photo simulation has been submitted as Exhibit B

4. Documentation that co-location of the facility of an existing or approved WCF, or an existing support structure – inside or outside the City Limits – is not feasible.

A Radio Frequency Report has been included to provide information on why this relocated tower site requires siting in this specific part of Dallas. This is included as Exhibit E

5. Documentation that the WCF has been designed to accommodate additional WCFs.

Exhibit C, structural report, shows an additional carrier can be accommodated on the proposed tower.

6. A signed agreement to negotiate in good faith to accept additional WCFs when technically feasible.

A letter from Verizon Wireless, submitted as Exhibit D, states the tower will be open to collocation.

3.5.050 Location Restrictions

No WCF shall be sited on public school grounds, in a public park, in a dedicated common open space, in the CBD, within any Residential district, or within 300 feet of any Residential district.

This requirement has been met. The relocated tower site is not located on or adjacent to any of the described properties.

3.5.060 Development Standards

A WCF shall be designed, constructed and maintained in accordance with the following standards:

A. The location and design of the WCF shall minimize the visual impacts to properties located within ¼ mile of the WCF, considering setbacks, lighting, height, bulk, color and landscaping.

The industrial zone was the primary target for the relocation of the site. By utilizing industrial space, the tower blends with existing industrial use. The specific location on the property was determined by locating as far from the existing residences to the north (which are located in the Industrial Zone).

A site obscuring fence has been proposed at the base of the tower. Currently, this parcel is used for industrial equipment storage and trailer storage. Adding landscaping inside the existing fence will not improve visual impacts to surrounding properties. The adjacent landowners first see the items stored on the property before visually reaching the proposed tower site. Because of this, a variance is being requested for landscaping.

The front and rear setbacks are met with this proposal and noted on sheet A1.0 of the attached drawings. The tower will be located 342' from Howe Street (Front =20 feet) and 27' from Holman Street (Rear= 20 feet) The tower will be located 107' from the northern property line and 10' from the south property line. This property site is located in the Industrial zone and does not abut a Residential zone therefore the zero side yard setbacks are met as well.

B. All support structures, antennas and associated equipment, including any enclosures and all exterior mechanical equipment, shall be colored and/or surfaced, so as to blend with the surrounding area.

The current proposal shows a non-glaring galvanized steel metal finish. This gray color blends with the northwest sky and surrounding finishes of the industrial zone. However, if the Planning Commission requests the tower and antennas be painted, that can be accommodated.

C. All surfaces shall be non-reflective.

All antennas, equipment, and tower will be finished in non-reflective material

D. Exterior lighting shall not project onto adjacent properties.

Any proposed lighting will be mounted and directed to the south toward the existing structure on the property line. Lighting at the base of the tower will only illuminate when a technician is on site after-hours for emergency services or outages.

E. Free standing support structures shall:

1. Screen all mechanical and electrical equipment and the bottom six feet of the support structure with a six-foot sight-obscuring fence, wall or hedge;

A six-foot-tall site obscuring fence with vinyl slats will be installed around the base of the tower and all mechanical equipment.

2. Provide a minimum ten-foot landscaped perimeter area around the fence, wall or hedge;

See section below for Class B Variance request.

3. Be located and designed to preserve the ability for co-location of at least two additional users.

This tower will be designed to accommodate additional users as noted in the tower design report, Exhibit C.

F. The height of the WCF shall be the minimum necessary to reasonably serve the operational requirements of the WCF.

The relocated tower site is proposed to be 120' tall. Exhibit E outlines why the height is needed to reach the different areas of the community. For example, a 100' tower will not provide adequate coverage to downtown Dallas and Main Street.

3.5.070 Operational Certificate Required

Within 45 days after construction and/or installation of the WCF, the applicant shall submit an operational certificate from a registered engineer indicating compliance with the requirements of this section and all structural standards for antennas developed by the Electronic Industries Association

This letter will be supplied as required.

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IV. CONCLUSION

Verizon Wireless has successfully served the community of Dallas for more than 25 years.
With the demands for increasing services from personal mobile devices, Verizon must find a new tower site to continue service as the existing grain elevator ages. If there were a structure in the immediate area that could accommodate a wireless site, Verizon would attempt collocation. However, there are not adequate structures that reach this height. Locating a new tower in the industrial zone is preferable location while meeting community standards.

Exhibit List:

Exhibit A – Site Photos
Exhibit B - Photo Sims
Exhibit C – Tower Structural Report
Exhibit D – Collocation Certification Letter
Exhibit E – RF Siting Report

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Narrative For Class B Variance:

Verizon Wireless proposes to relocate an existing wireless site from a grain elevator to an industrial property. The construction of a monopole tower with base station equipment is proposed to accommodate the relocation of the existing site. Chapter 3.5 for Wireless Communication Facilities states free standing structures must provide a minimum of 10' landscape perimeter around the site. Because this site will be located inside an existing parcel fence and *additionally* inside a site obscuring fence in the industrial zone, the required landscaping will not improve visual impacts. Any visibility inside the fenced wireless compound will be blocked by the required site obscuring fence. In this zone and for this development, landscaping will not provide any benefit. Furthermore, adding landscaping will reduce the industrial usage of the parcel by removing available parking. A Class B Variance approval is requested.

5.1.040 Class B Variance:

B. Approval Criteria. A Class B Variance may be approved only upon finding it meets all of the following criteria:

1. The variance is necessary because the subject Code provision does not account for special or unique physical circumstances of the subject site, existing development patterns, or adjacent land uses.

The proposed site will be located on a fully fenced parcel in the industrial zone. The property currently houses manufacturing related equipment and travel trailers waiting for transit. Removing existing asphalt to provide for landscaping around a site obscured fence will not further reduce visual impacts of the tower. The required landscaping is not replacing any existing landscaping disturbed in the tower site footprint as there is none.

2. The variance is the minimum necessary to address the special or unique physical circumstances referenced in subsection 5.1.040B(1).

By installing a site obscuring fence around the tower site, the visual impact of the base station equipment has already been mitigated.

3. The variance conforms to the provisions of subsections 5.1.040C through 5.1.040G, as applicable.

Items C through G are not applicable to the request for a landscape variance.

4. The variance does not conflict with other applicable City policies or other applicable regulations.

This variance request is specifically for a reduction in the landscaping requirement. There are no other City policies or regulations in conflict.

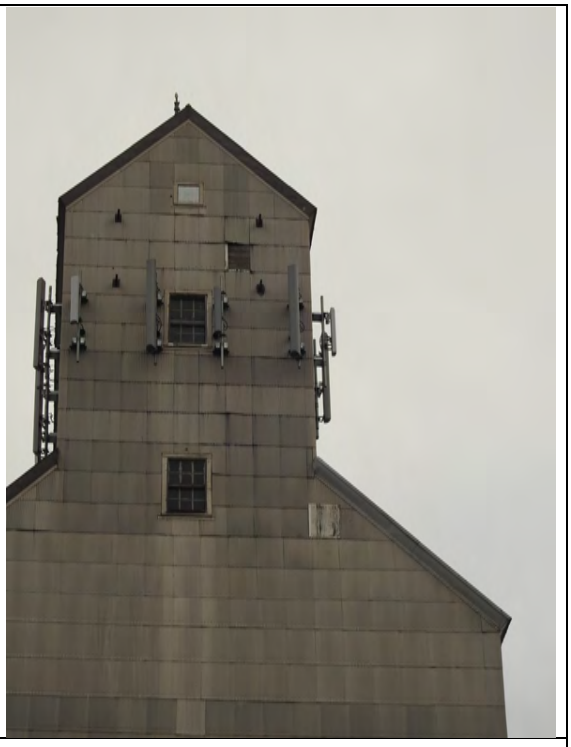
5. The variance will result in no foreseeable harm to adjacent property owners or the public.

The tower site is surround by industrial zoned properties on all sides. Currently, any adjacent property owner or general public member walking by the property would see manufacturing and RV trailers as viewed through the existing fence. The pedestrian experience remains unchanged. Having landscaping inside the existing perimeter fence and in front of the tower site, site obscuring fence, would look out of place.

ATTACHMENT G.39

EXHIBIT A

Photos of Existing Grain Elevator Site At 1381 SE Jefferson

	
Looking at south to existing site	Antennas to be relocated to new proposed site
	
Existing Antennas To Be Removed	Not all antennas are owned by Verizon.

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ATTACHMENT G.40

EXHIBIT A

Photos of Proposed Tower Site At 1500 SE Howe Street

Looking at access to site from west side (Howe St)

View of parcel, site to upper right corner.

Looking toward site

Site to be located along blue wall

Site Pictures for: SLM Dallas Relo

SLM Dallas Relo

Map

Pictorial View of Proposed Development

Photo Location Map

0' 80' 160' 320'

ATTACHMENT G.41

CAPITAL DESIGN SERVICES

verizon

Urban Wireless Inc.

Visual impact will be affected by location and visibility of observer. This document is for planning and information purposes only and is purely conceptual. This is solely the designers / photographers interpretation of the proposed development.

N

Address: 1500 SE HOWE STREET
DALLAS, OR 97338

SLM Dallas Relo

Proposed Structure Height: 120.0' AGL
Proposed Antenna Height: 124.0' AGL

Description:
Nine (9) proposed antennas & three (3) existing relocated antennas with associated ancillary equipment attached to a new 120.0' monopole. Ground equipment below within a 20'x30' fenced lease area.

VIEW 1

Existing Conditions - Looking Southeast

Proposed Conditions - Looking Southeast

CAPITAL DESIGN SERVICES

verizon

Urban Wireless Inc.

Visual impact will be affected by location and visibility of observer. This document is for planning and information purposes only and is purely conceptual. This is solely the designers / photographers interpretation of the proposed development.

Address: 1500 SE HOWE STREET
DALLAS, OR 97338

ATTACHMENT G.42

SLM Dallas Relo

Proposed Structure Height: 120.0' AGL
Proposed Antenna Height: 124.0' AGL

Description:
Nine (9) proposed antennas & three (3) existing relocated antennas with associated ancillary equipment attached to a new 120.0' monopole. Ground equipment below within a 20'x30' fenced lease area.

VIEW 2

Existing Conditions - Looking North

Proposed Conditions - Looking North

ATTACHMENT G.43

CAPITAL DESIGN SERVICES

verizon

Urban Wireless Inc.

Visual impact will be affected by location and visibility of observer. This document is for planning and information purposes only and is purely conceptual. This is solely the designers / photographers interpretation of the proposed development.

Address: 1500 SE HOWE STREET
DALLAS, OR 97338

SLM Dallas Relo

Proposed Structure Height: 120.0' AGL
Proposed Antenna Height: 124.0' AGL

Description:
Nine (9) proposed antennas & three (3) existing relocated antennas with associated ancillary equipment attached to a new 120.0' monopole. Ground equipment below within a 20'x30' fenced lease area.

VIEW 3

Existing Conditions - Looking East

Proposed Conditions - Looking East

ATTACHMENT G.44

CAPITAL DESIGN SERVICES

verizon

Urban Wireless Inc.

Visual impact will be affected by location and visibility of observer. This document is for planning and information purposes only and is purely conceptual. This is solely the designers / photographers interpretation of the proposed development.

Address: 1500 SE HOWE STREET
DALLAS, OR 97338

EHRESMANN ENGINEERING INC.

4400 West 31st St – Yankton, SD 57078
Phone: (605) 665-7532 Fax: (605) 665-9780
http://www.ehresmannengineering.com
E-Mail: e.heine@ehresmannengineering.com

New 120' Ehresmann Monopole

Site: SLM Dallas Relo, OR
(Lat/Long: 44-54-50.66N 123-18-19.67W)

Ehresmann Engineering, Inc. Project
J.O. #110730

Prepared For:

Urban Wireless Inc./Verizon

December 22, 2021

REGISTERED PROFESSIONAL ENGINEER
75053PE
DIGITALLY SIGNED
OREGON
SEPTEMBER 14, 2004
ERIC JOHN HEINE

EXPIRATION DATE: 6/30/23

Eric J. Heine, P.E.
Oregon Cert. #75053PE

Dallas City Council
4/18/2022
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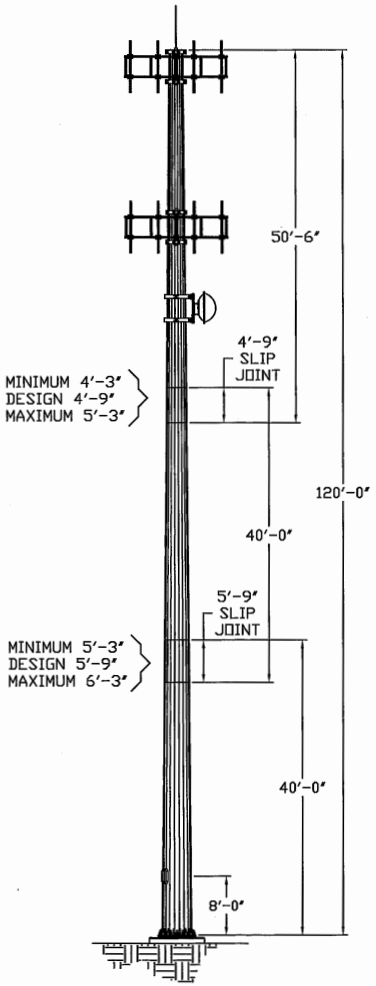


MONOPOLE DESIGN CRITERIA:

WIND DESIGN CRITERIA:

DESIGN PER TIA-222-H
120 MPH WIND & NO ICE (3-SEC GUST)
30 MPH WIND & 1" ICE (3-SEC GUST)
60 MPH WIND & NO ICE (SERVICE)
RISK CATEGORY II
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1

SEISMIC DESIGN CRITERIA:

SEISMIC DESIGN CATEGORY D
SITE CLASS C
Ss= 1.029 g
S1= 0.497 g
T_L = 16

SITE INFORMATION:

COORDINATES: LATITUDE: 44° 54' 50.66" N
LONGITUDE: 123° 18' 19.67" W
ADDRESS: 1500 SE HOWE STREET
DALLAS, OR 97338
COUNTY: POLK COUNTY, OREGON

MAXIMUM BASE MOMENT & FORCES		
MOMENT (FT-KIPS)	SHEAR (KIPS)	AXIAL (KIPS)
2,523	28	26

DESIGN LOADING:

ELEV.	ITEM	RAD.	FEEDLINES
122'	4' LIGHTNING ROD	—	
122'	(3) RRUS 4449	—	
122'	(3) RRUS 8843	—	
122'	DC12-48-60-0-25E	—	
120'	(3) 12' EEI T-FRAMES	—	(6) 1 5/8" (INSIDE POLE)
120'	(3) BXA-70080-8CF	—	(3) HYBRID CABLE (INSIDE POLE)
120'	(2) NHH-85C-R2B	—	
120'	(3) AIR6449	—	
120'	(4) MX06FRD860-02	—	
100'	(12) RRH 18.5" X 20.4" X 7.5"	—	
100'	(3) COMMSCOPE RCMDC-3315-PF-48	—	(3) HYBRID CABLE (INSIDE POLE)
96'	(3) 12' EEI T-FRAMES	—	
96'	(12) 8' X 2' X 6" PANEL	—	
85'	ANDREW 4' DISH	YES	EW63 (INSIDE POLE)

POLE DATA					
POLE 65 KSI 18 SIDED					
ELEV.	WALL THICKNESS	TAPER	TUBE LENGTH	TOP DIA.	BASE DIA.
69'-6"-120'	3/16"	.216"/FT.	50'-6"	22"	32 15/16"
34'-3"-74'-3"	1/4"	.216"/FT.	40'	31 7/16"	40 1/8"
0'-40'	5/16"	.216"/FT.	40'	38 3/8"	47"

BASE PLATE DATA:

61Ø, 1 3/4" THICK, ROUND
ASTM A572 50 KSI

(16x) 3/8" THICK X 11" TALL GUSSETS
ASTM A572 65 KSI

ANCHOR BOLT DATA:

(16x) 1 3/4"Ø F1554 GRADE 105 KSI
X 6'-0" LG ON A 54"Ø BOLT CIRCLE
TEMPLATE O.D. = Ø59" A36

NOTES:

1. ORIENT V-NOTCH ON TOP OF TEMPLATE AND REFERENCE TAB ON BASE PLATE @ 0°.
2. STAMP "EEI 110730" ON TOP OF BASE PLATE (NEAR NORTH TAB) WITH 1/2" STEEL STAMPS.
3. MICROWAVE DISH WAS INCLUDED FOR AREA AND WEIGHT PURPOSES ONLY. IF AND/OR WHEN THE DISH IS ACTUALLY INSTALLED, TWIST AND SWAY SHOULD BE EVALUATED FOR ACTUAL DISH SIZE, FREQUENCY AND ELEVATION PRIOR TO INSTALLATION.

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EHRESMANN ENGINEERING, INC. AND SHALL NOT BE REPRODUCED OR USED IN WHOLE OR IN PART AS THE BASIS OF THE MANUFACTURE OR SALE OF ITEM(S) WITHOUT WRITTEN PERMISSION.

REGISTERED PROFESSIONAL ENGINEER
75053PE
DIGITALLY SIGNED
OREGON
SEPTEMBER 14, 2004
ERIC JOHN HEINE

EXPIRATION DATE: 6/30/23

REV	DESCRIPTION	DATE
6		
5		
4		
3		
2		
1		
0	DRAWING CREATED	12/21/21

	NAME
DRAWN BY:	GE
CHECKED BY:	
ENG APPR.	
MFG APPR.	
Q.C.	

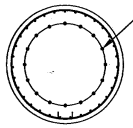
Site: SLM DALLAS RELO, OR
Job# 110730

Ehresmann Engineering, Inc.
4400 West 31st Street
Yankton, SD 57078
605-665-7632
605-665-9780

TITLE: 120' MONOPOLE
DWG. NO. 110730E01
Sheet NO. E01 Rev. 1A

ATTACHMENT G.46

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EHRESMANN ENGINEERING, INC. AND SHALL NOT BE REPRODUCED OR USED IN WHOLE OR IN PART AS THE BASIS OF THE MANUFACTURE OR SALE OF ITEM(S) WITHOUT WRITTEN PERMISSION.



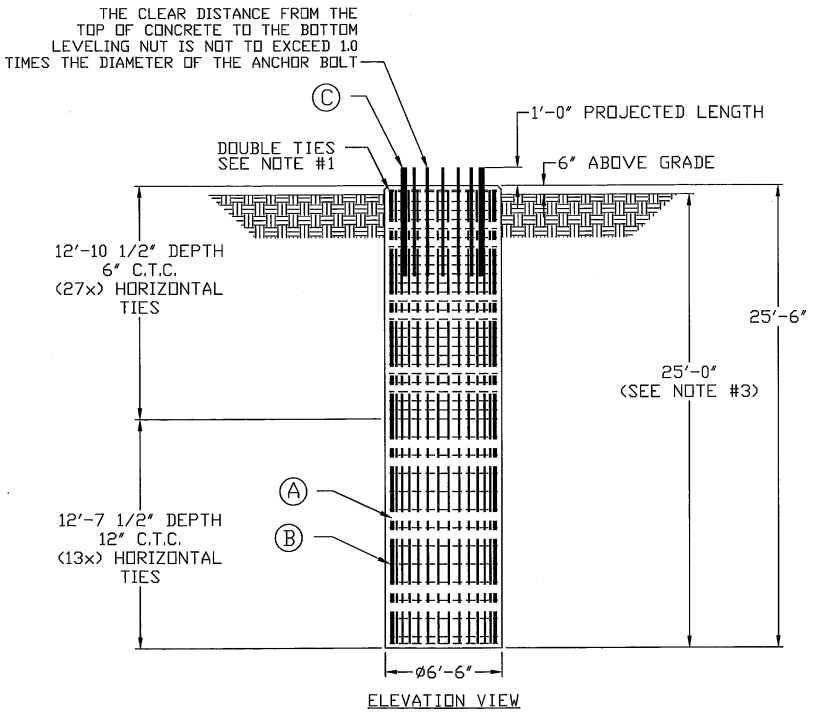
(16X) 1 3/4"ø ANCHOR BOLTS ON A ø54" BOLT CIRCLE. USE TEMPLATE FURNISHED WITH MONOPOLE TO CORRECTLY PLACE ANCHOR BOLTS AS SHOWN. SEE DWG #110730E03 FOR PROPER ANCHOR BOLT & TEMPLATE ASSEMBLY.

PLAN VIEW

	ITEM	QTY	GRADE	DESCRIPTION	
	A	31	60	#8 BARS	25'-0"
	B	40	60	#4 BARS	4" HOOKS 8 1/4" LAP (STAGGERED) 6'-0"
*	C	16	105	1 3/4"ø X 6'-0"	6'-0"

MATERIAL LIST

* SUPPLIED BY EEI, ALL OTHER MATERIAL TO BE SUPPLIED BY THE CONTRACTOR.



ELEVATION VIEW

NOTES:

1. LATERAL REINFORCEMENT, CONSISTING OF TWO (2) HORIZONTAL TIES SHALL BE DISTRIBUTED WITHIN 5" OF TOP OF CONCRETE PER ACI 318. THE ENDS OF ALL CIRCULAR TIES SHALL TERMINATE WITH STANDARD HOOKS THAT ENGAGE A LONGITUDINAL COLUMN BAR.
2. FOUNDATION DESIGN BASED ON SOILS REPORT BY BLACK MOUNTAIN CONSULTING DATED NOVEMBER 13, 2021; PROJECT NO. 210066-GEO. CONTRACTOR TO REVIEW SOILS REPORT FOR POSSIBLE SPECIAL INSTRUCTIONS BY GEOTECHNICAL ENGINEER.
3. PLEASE NOTE THAT FOUNDATION DEPTH AS DESIGNED IS DEEPER THAN WHAT WAS INVESTIGATED DURING THE SOIL BORING. THE GEOTECHNICAL ENGINEER OR QUALIFIED REPRESENTATIVE IS TO BE ON-SITE DURING DRILLING TO VERIFY SOIL CONDITIONS BELOW THE BORING DEPTH. IF CHANGES IN THE SOIL ARE FOUND WHICH REQUIRE MODIFICATIONS TO DESIGN PARAMETERS, EEI SHALL BE NOTIFIED IMMEDIATELY FOR REVIEW OF THIS FOUNDATION DESIGN.
4. 31.34 CUBIC YARDS CONCRETE REQUIRED THIS FOUNDATION.
5. MONOPOLE BASE REACTIONS;
   MOMENT = 2,523 FT-KIPS
   SHEAR = 28 KIPS
   AXIAL = 26 KIPS

REGISTERED PROFESSIONAL ENGINEER
75053PE
DIGITALLY SIGNED
OREGON
SEPTEMBER 14, 2004
ERIC JOHN HEINE
EXPIRATION DATE: 6/30/23

CONCRETE MIX REQUIREMENTS:

CEMENT: TYPE I/II PORTLAND CEMENT
28 DAY COMPRESSIVE STRENGTH = 4500 PSI
MAXIMUM WATER/CEMENT RATIO = 0.45
SLUMP = 6"-8"
ENTRAINED AIR CONTENT = 5%-7%

REV	DESCRIPTION	DATE
6		
5		
4		
3		
2		
1		
0	DRAWING CREATED	12/21/21

	NAME
DRAWN BY:	GE
CHECKED BY:	
ENG APPR.	
MFG APPR.	
Q.C.	

Site: SLM DALLAS RELO, OR
Job# 110730

Ehresmann Engineering, Inc.
4400 West 31st Street
Yankton, SD 57078
605-665-7532
605-665-9780

TITLE: 120' MONOPOLE PIER TYPE FOUNDATION DESIGN

DWG. NO. 110730E02

Sheet NO. E02 | Rev. 1A

ATTACHMENT G.47

GENERAL:
Ehresmann Engineering, Inc. (EEI) designs and manufactures steel towers/poles and tower components to the most stringent industry standards, and uses the highest quality materials. However, certain hazards are inherent in tower work. For this reason, it is imperative that erection of towers and installation of tower components be accomplished in a safe and workmanlike manner, and only by experienced and professional contractors. Unless the customer specifies otherwise in writing, or unless otherwise noted in our design documents or on our installation drawings, design of and/or fabrication of items by Ehresmann Engineering, Inc. shall meet the conditions outlined in these notes.

1. All tower designs and/or work shall be in accordance with TIA-222-H, "Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures" or as otherwise specified in writing by the customer.
2. Purchasers shall verify the installation is in conformance with all local, state, and federal requirements. This also includes requirements for obstruction marking and lighting.
3. If towers, tower components, mounts, foundations or modification materials are not installed in accordance with Ehresmann Engineering, Inc. installation drawings and specifications, then all designs are considered invalid, and EEI disclaims any responsibly for said design and/or certification.
4. The purchaser shall be responsible to inspect condition of underground anchors prior to work on towers, and to furnish any and all soils reports, where required.
5. All items must be inventoried at the time of delivery to the job site/storage facility. Any shortages reported after this delivery will be the responsibility of the Contractor/Owner.
6. Any problems that occur with scheduling, transportation, delivery, foundation installation, erection or any items furnished by EEI must be reported immediately to allow EEI time to take corrective measures. EEI will make every effort to repair/replace necessary items in an expedited manner and/or will pursue corrective measures in the most economical way possible at our discretion. However, under no circumstances will EEI pay for or be responsible for any down time or expenses incurred due to down time.
7. EEI will make every effort to deliver materials at the requested time. However, we cannot and will not be responsible for delays caused by breakdowns, weather and/or other factors out of our control once the materials have left our facility. We strongly suggest that cranes, tower crews, etc... not be scheduled until delivery is verified to be on time. EEI will not be responsible for any costs incurred due to these possible delays.
8. Any and all permits, licenses, or payment of taxes required for construction are the sole responsibility of the purchaser.
9. Manufacturer Assistance: Contractors / Erectors may contact Ehresmann Engineering, Inc. at (605) 665-7532 for questions on design, materials, or installation regarding items furnished by Ehresmann Engineering, Inc.
10. Ehresmann Engineering, Inc. is available, upon request, to supervise installation and/or completion of modifications, or to provide on-site inspection after project completion.
11. Although rare, excessive deflection can occasionally occur in canister poles and concealment/shrouded structures at low wind speeds. Since the phenomenon is influenced by many factors and variables, it is generally unpredictable. Therefore, it is the tower/pole owner's responsibility to periodically observe the structure for excessive deflection and any resulting damage or affects on the structure or its connections. In the event of excessive deflection or movement of the structure, Ehresmann Engineering is to be notified immediately. Modifications to the structure may be required at the owner's expense.

**Please also reference site specific design documents and drawings for additional notes.

Anchor Rod Tightening:
Prior to placing anchor rods in the concrete, it is recommended that an anchor rod rotation capacity test be run with at least one anchor rod. This test may be run in a Skidmore-Wilhelm device or in a mockup of the base plate using a small piece of plate with one hole of equivalent grade, thickness, and finish. The test consists of steps 2 through 12 as outlined below and adapted as necessary for the mock set-up. It is recommended that the nut be rotated at least to the required rotation as given in step 11. After the test, the nuts should be removed and all threads (rod and nut) inspected for damage. Once the anchor rod is removed from the test plate, the nuts shall again be turned onto the rod well past the location of the leveling nut and backed off by one worker using an ordinary wrench with no cheater bar. The threads are considered damaged if more than minimal effort is required to turn the nut. Please note that nuts should be turned onto ALL anchor rods and backed off with minimal effort as outlined above to verify threads of ALL anchor rods and nuts prior to placement in concrete.

Recommended Steps for Anchor Rod Tightening:
1. Verify proper position of anchor rods.
2. Verify that all nuts can be turned onto the rods well past the elevation of the bottom of the leveling nut and backed off by one worker using an ordinary wrench without a cheater bar.
3. If threads of anchor rods were lubricated more than 24 hours before placing the leveling nut or have been wet since they were lubricated, the exposed threads of the anchor rods should be relubricated (Beeswax and toilet-ring wax have been shown to provide good lubrication).
4. Place leveling nuts on anchor rods and level.
5. Place leveling nut washers.
6. Set pole or tower legs.
7. Plumb pole or legs and/or level base plates.
8. Place top nut washers.
9. Threads and bearing surfaces of the top nuts should be lubricated, placed and tightened to the snug-tight condition in a star pattern.
10. Tighten leveling nuts to the snug-tight condition in a star pattern.
11. Mark the reference position of the top nut in the snug-tight condition with a suitable marking on one flat with a corresponding reference mark on the base plate at each bolt.
12. Top nuts shall be rotated, with the leveling nut secured, an additional 1/3 turn for anchor rods 1.5 in. or less in diameter and an additional 1/6 turn for anchor rod diameters greater than 1.5" per TIA-222-H section 4.9.9.
13. Locking nuts are to be installed over all top nuts when tightening is completed.

Erection / Installation:
When installing items provided by Ehresmann Engineering, Inc., the contractor (person performing the erection or modification) shall comply with the following:

1. All structural work shall be performed in relatively calm weather, with wind velocities not exceeding 15 MPH at any height of the tower. Additionally it is recommended that work be completed in accordance with ANSI/TIA-322 and ANSI/ASSE A10.48.
2. All structural work shall be performed by a competent and reputable contractor with experience in similar tower work.
3. Our drawings indicate the major operations to be performed, but do not show every field condition that may be encountered. Prior to beginning work, the contractor should survey the job thoroughly to eliminate future field problems.
4. It is the contractor's sole responsibility to determine the erection procedure and sequence to insure the stability and safety of the tower and adequacy of temporary or incomplete connections during construction.
5. All nuts for bearing type connections shall be tightened to a "snug tight" condition as defined by AISC. All nuts for direct tension/fully pre-tensioned or slip critical connections (except anchor rod nuts) shall be tightened per the "turn-of-the-nut" method in accordance with AISC.
6. It shall be the contractor's responsibility to ensure that all practices and procedures used during assembly, installation and erection work required on the tower or foundations do not endanger the safety of any personnel nor the structural integrity of the tower.
7. The contractor shall use only safe and workmanlike procedures when modifying a tower.
8. The contractor shall not correct any errors in manufacturing or design without special permission and written instructions from Ehresmann Engineering, Inc. This means straightening, relocation or reaming of bolt holes, drifting or any other application of force to make the members fit. (This restriction does not apply to diagonal members designed for initial tension or specific 'draw'.) The contractor shall immediately notify Ehresmann Engineering, Inc., through the appropriate channels to effect correction.
9. The contractor shall immediately notify Ehresmann Engineering, Inc. of any material which is damaged during erection or installation. The contractor shall not correct or substitute any member damaged during installation without written consent and instructions from Ehresmann Engineering, Inc.
10. The contractor shall refrain from exerting excessive forces on the tower or on modification material during installation. Tower member design does not include stresses due to erection since erection equipment and conditions are unknown. Our design assumes that the services of competent and qualified personnel will be utilized to develop proper procedures and rigging plans. Our design also assumes that competent and qualified personnel will be hired to perform the work.
11. All field-punched holes shall be touched up with cold galvanizing. Under no circumstances shall the torching of holes be allowed.
12. All factory installed bracing placed within monopole tube sections is to remain in place until erection is complete. Do not remove bracing without prior consultation with EEI.

Concrete & Foundation Installation:
1. All rebar shall have 3" minimum cover, unless specified otherwise, and shall conform to ASTM A615. Rebar grade to be as specified on site drawings.
2. Tie and secure all rebar and anchor bolts/shafts before placing concrete.
3. Hook length as specified for vertical bars is from back side of bend. Minimum straight length of hook after bend shall be 12x bar diameter.
4. Bending of rebar to be in accordance with ACI-318 latest edition.
5. Sides of excavation may need to be braced or sloped back as required for stability and in accordance with all applicable safety regulations.
6. Base of excavation shall be clean and free of all debris.
7. All excavation, backfill and soil compaction to be completed in accordance with Geotechnical Engineer's recommendations. However, compacted density of all backfill must meet minimum unit weight as specified on site drawings.
8. Attention shall be given to final site drainage and compaction of the fill placed around the foundation to minimize surface water infiltration around the foundation.
9. Concrete strength and mix values to be listed on site specific foundation drawings. Alternate values may be acceptable and could be dependent on placement methods. However, use of alternate values must be approved by EOR prior to installation. EEI will not be responsible for any delays due to request for approval of alternate values. It is the Contractor's responsibility to allow adequate time for approval.
10. Use of water reducers may be required for some placement methods to achieve necessary slump and/or flow without exceeding maximum water/cement ratios. It is Contractor's responsibility to utilize proper mix to ensure proper placement of concrete for the method of placement chosen.
11. Exposed edges of all foundations to be chamfered 1" x 45°.
12. Use steel top and bottom anchor bolt templates provided by EEI for proper anchor bolt spacing and placement.
13. All concrete work shall be in accordance with ACI 318 (Latest Edition). ACI specifications for "Cold Weather" or "Hot Weather" concreting shall be followed as applicable.

Structural Steel & Hardware:
1. All fabricated steel shall have a minimum yield strength of 36 ksi. Use of higher strength steel for some members/items will be noted in design documents or drawings as applicable.
2. All fabricated steel shall be hot dip galvanized per ASTM A123.
3. All structural fasteners shall be ASTM F3125 Gr. A325 unless specified otherwise.
4. U-Bolts to be ASTM A36, A572 Gr. 50, or A193 Gr. B7 depending on size and application. Reference site specific drawings for additional details.
5. Step Bolts to be ASTM A449
6. All hardware shall be hot dip galvanized per ASTM A153 or ASTM F2329.
7. Welded connections shall conform to the latest revision of the American Welding Society, A.W.S. D1.1.
8. All structural components shall be verified for proper assembly by the field crew prior to installation.

REGISTERED PROFESSIONAL ENGINEER
75053PE
DIGITALLY SIGNED
OREGON
SEPTEMBER 14, 2004
ERIC JOHN HEINE

EXPIRATION DATE: 6/30/23

REV	DESCRIPTION	DATE
7		
6		
5		
4		
3		
2		
1	TUBE BRACING NOTE	10/29/19
0	DRAWING CREATED	11/1/18

	NAME
DRAWN BY:	EH
CHECKED BY:	
ENG APPR.	
MFG APPR.	
Q.C.	

Site: SLM DALLAS RELO, OR
Job# 110730

Ehresmann Engineering, Inc.
4400 West 31st Street
Yankton, SD 57078
605-665-7532
605-665-9780

TITLE: STD TOWER & TOWER FOUNDATION NOTES
DWG. NO. 110730N1H
Sheet NO. N1H
Rev. 1A

ATTACHMENT G.48

SPECIAL INSPECTION PROGRAM IN ACCORDANCE WITH OSSC 2019

VERIFICATION AND TESTING SHALL BE COMPLETED AS FOLLOWS:

SPECIAL INSPECTIONS:		
SPECIAL INSPECTIONS IN ACCORDANCE WITH OSSC 2019 SECTION 1705.		
REINFORCED CONCRETE:	CONTINUOUS	PERIODIC
PIER FOUNDATION DRILLING	X	
REINFORCING STEEL		X
CONCRETE PLACEMENT	X	
SAMPLING & TESTING		X
ANCHORS/BOLTS CAST IN CONCRETE		X
STRUCTURAL STEEL:		
HIGH-STRENGTH BOLTS		X
STRUCTURAL OBSERVATION:		
YES		X

REINFORCED CONCRETE CONSTRUCTION (MONOPOLE FOUNDATION):

- VERIFY PROPER DIAMETER AND DEPTH OF FOUNDATION (ie: DEPTH OF DRILLED HOLE PRIOR TO CONCRETE PLACEMENT)
- INSPECTION OF REINFORCING STEEL TO INCLUDE VERIFICATION OF PROPER MATERIAL GRADE, QTY, SIZE AND PLACEMENT
- VERIFY PROJECTION LENGTH OF ANCHOR BOLTS ABOVE TOP OF CONCRETE PRIOR TO CONCRETE SETTING
- VERIFY USE OF APPROVED CONCRETE MIX DESIGN
- VERIFY PROPER CONCRETE SLUMP AND AIR CONTENT BY TESTING AT THE TIME FRESH CONCRETE IS SAMPLED FOR STRENGTH TESTS
- VERIFY PROPER PLACEMENT OF CONCRETE IN ACCORDANCE WITH APPROVED TECHNIQUES.
- VERIFY CONCRETE COMPRESSIVE STRENGTH BY MEANS OF STANDARD TEST CYLINDERS TO BE BROKE AT 7 DAYS AND 28 DAYS MINIMUM.

STRUCTURAL STEEL CONSTRUCTION (MONOPOLE STRUCTURE):

INSPECTION OF HIGH-STRENGTH BOLTED CONNECTIONS:

- VERIFY IDENTIFICATION MARKINGS/GRADE, QTY AND SIZE OF BOLTS, NUTS & WASHERS
- VISUALLY INSPECT SNUG-TIGHT BOLTED JOINTS TO VERIFY ALL PLIES IN CONTACT AND LOCK-WASHERS COMPRESSED
- VERIFY PROPER TIGHTENING OF PRETENSIONED CONNECTIONS USING TURN-OF-NUT METHOD WITH MATCHMARKING

INSPECTION OF SHOP WELDING:

- VERIFY PROPER WELDING PROCEDURES IN ACCORDANCE WITH AWS D1.1
- VISUAL INSPECTION OF WELDS TO INSURE PROPER SIZE, LENGTH AND PLACEMENT

STRUCTURAL OBSERVATION:

- VERIFY PROPER INSTALLATION/ERECTION OF MONOPOLE PER DESIGN SPECIFICATIONS UPON COMPLETION OF INSTALLATION. VERIFICATION TO INCLUDE THE FOLLOWING:
  - MINIMUM SLIP JOINT OVERLAPS
  - STRUCTURE PLUMB IN ACCORDANCE WITH TIA-222
  - MAXIMUM CLEAR DISTANCE BETWEEN TOP OF FOUNDATION AND LEVELING NUT

VERIFICATION OF ALL ITEMS AS OUTLINED ABOVE SHALL BE BASED ON DESIGN SPECIFICATIONS AND INSTALLATION DETAILS AS COMPLETED BY EHRESMANN ENGINEERING, INC.

SPECIAL INSPECTOR SHALL IDENTIFY AND DOCUMENT RESULTS OF ALL INSPECTIONS AND MATERIAL TESTING AS OUTLINED. INSPECTION REPORTS SHALL BE SUBMITTED AS SOON AS POSSIBLE UPON COMPLETION OF INSPECTION BUT NO MORE THAN 5 WORKING DAYS UNLESS OTHERWISE AGREED BY PROJECT OWNER.

DEVIATION OR NON-COMPLIANCE SHALL BE CORRECTED BY CONTRACTOR. ANY DEVIATIONS NOT CORRECTED ARE TO BE CLEARLY IDENTIFIED IN FINAL REPORTS AND EHRESMANN ENGINEERING, INC. SHOULD BE NOTIFIED IMMEDIATELY FOR CONSULTATION.

THE PROJECT OWNER OR AN AGENT OF THE OWNER IS RESPONSIBLE FOR SCHEDULING AND FUNDING ALL SPECIAL INSPECTION SERVICES.

REGISTERED PROFESSIONAL ENGINEER
75053PE
DIGITALLY SIGNED
OREGON
SEPTEMBER 14, 2004
ERIC JOHN HEINE

EXPIRATION DATE: 6/30/23

REV	DESCRIPTION	DATE
7		
6		
5		
4		
3		
2		
1		
0	DRAWING CREATED	12/22/21

	NAME
DRAWN BY:	GE
CHECKED BY:	
ENG APPR.	
MFG APPR.	
Q.C.	

Site: SLM DALLAS RELO, OR

Job# 110730

Ehresmann Engineering, Inc.
4400 West 31st Street
Yankton, SD 57078
605-665-7532
605-665-9780

TITLE: 120' MONOPOLE SPECIAL INSPECTION STATEMENT

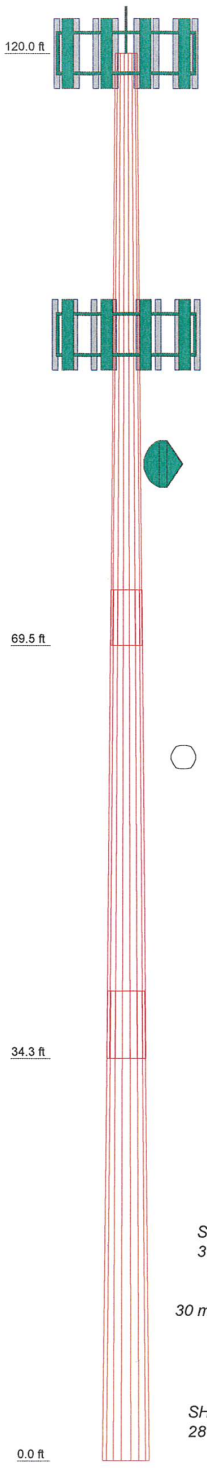
DWG. NO. 110730SI

Sheet NO. SI | Rev. 1A

ATTACHMENT G.49

Section	1	2	3
Length (ft)	50.50	40.00	40.00
Number of Sides	18	18	18
Thickness (in)	0.1875	0.2500	0.3125
Socket Length (ft)	4.75	5.75	
Top Dia (in)	22.0000	31.4899	38.3751
Bot Dia (in)	32.8891	40.1149	47.0001
Grade		A572-65	
Weight (K)	2.8	3.9	5.8

12.5



ALL REACTIONS ARE FACTORED

AXIAL 39 K
SHEAR 3 K
MOMENT 225 kip-ft
TORQUE 0 kip-ft
30 mph WIND - 1.0000 in ICE

AXIAL 26 K
SHEAR 28 K
MOMENT 2523 kip-ft
TORQUE 3 kip-ft
REACTIONS - 120 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
RRUS 4449	122	MX06FRO860-02	120
RRUS 8843	122	(2) MX06FRO860-02	120
RRUS 4449	122	(4) RRH 18.5" X 20.4" X 7.5"	100
RRUS 8843	122	(4) RRH 18.5" X 20.4" X 7.5"	100
RRUS 4449	122	(4) RRH 18.5" X 20.4" X 7.5"	100
RRUS 8843	122	Commscope RCMDC-3315-PF-48	100
DC12-48-60-0-25E	122	Commscope RCMDC-3315-PF-48	100
MX06FRO860-02	120	Commscope RCMDC-3315-PF-48	100
Lightning Rod 5/8x4'	120	(4) 8' X 2' X 6" PANEL	96
(3) 12' EEI T-FRAMES	120	(4) 8' X 2' X 6" PANEL	96
(3) BXA-70080-8CF	120	(3) 12' EEI T-FRAMES	96
(2) NHH-65C-R2B	120	(4) 8' X 2' X 6" PANEL	96
(3) AIR6449	120	Andrew 4' w/Radome	85

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Polk County, Oregon.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Weld together tower sections have slip joint connections.
9. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
10. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
11. Welds are fabricated with ER80S-XXX electrodes.
12. TOWER RATING: 98%

REGISTERED PROFESSIONAL ENGINEER
75053PE
DIGITALLY SIGNED
OREGON
SEPTEMBER 14, 2004
ERIC JOHN HEINE

EXPIRATION DATE: 6/30/23

Ehresmann Engineering, Inc.
4400 W 31st St
Yankton, SD 57078
Phone: (605) 665-7532
FAX: (605) 665-9780

Job:	SLM DALLAS RELO, OR	110730	
Project:	120 FT MONOPOLE		
Client:	VERIZON WIRELESS	Drawn by: EH	App'd:
Code:	TIA-222-H	Date: 12/21/21	Scale: NTS
Path:			Dwg No. E-1

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in Polk County, Oregon.
Tower base elevation above sea level: 304.00 ft.
Basic wind speed of 120 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 30 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Weld together tower sections have slip joint connections..
Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications..
Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards..
Welds are fabricated with ER80S-XXX electrodes..
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Dallas City Council
4/18/2022
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Options

	Consider Moments - Legs		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Diagonals		Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification		Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
√	Use Code Stress Ratios		Use Clear Spans For KL/r	√	All Leg Panels Have Same Allowable
	Use Code Safety Factors - Guys		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice		Bypass Mast Stability Checks		Consider Feed Line Torque
	Always Use Max Kz		Use Azimuth Dish Coefficients	√	Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
√	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
	Secondary Horizontal Braces Leg		Sort Capacity Reports By Component		Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	120.00-69.50	50.50	4.75	18	22.0000	32.8891	0.1875	0.7500	A572-65 (65 ksi)
L2	69.50-34.25	40.00	5.75	18	31.4899	40.1149	0.2500	1.0000	A572-65 (65 ksi)
L3	34.25-0.00	40.00		18	38.3751	47.0001	0.3125	1.2500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	22.3105	12.9812	780.3007	7.7434	11.1760	69.8193	1561.6281	6.4918	3.5420	18.891
	33.3675	19.4615	2629.3757	11.6091	16.7077	157.3754	5262.2113	9.7326	5.4585	29.112
L2	32.9771	24.7888	3056.4152	11.0902	15.9969	191.0635	6116.8522	12.3968	5.1022	20.409
	40.6952	31.6328	6351.2128	14.1520	20.3784	311.6644	12710.7826	15.8194	6.6202	26.481
L3	40.1778	37.7533	6910.1640	13.5122	19.4945	354.4668	13829.4207	18.8802	6.2040	19.853
	47.6769	46.3083	12752.6000	16.5741	23.8760	534.1169	25521.9802	23.1585	7.7220	24.71

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 120.00-69.50				1	1.03	1.01			
L2 69.50-34.25				1	1.03	1.01			
L3 34.25-0.00				1	1.03	1.01			

Monopole Base Plate Data

Base Plate Data	
Base plate is square	
Base plate is grouted	
Anchor bolt grade	F1554-105
Anchor bolt size	1.7500 in
Number of bolts	16
Embedment length	60.0000 in
f'_c	4.500 ksi
Grout space	3.5000 in
Base plate grade	A572-50
Base plate thickness	1.7500 in
Bolt circle diameter	54.0000 in
Outer diameter	61.0000 in
Inner diameter	40.0000 in
Base plate type	Stiffened Plate
Bolts per stiffener	1
Stiffener thickness	0.3750 in

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Base Plate Data	
Stiffener height	11.0000 in

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
Safety Line 3/8	A	No	Yes	CaAa (Out Of Face)	120.00 - 12.00	1	No Ice	0.04	0.22
							1/2" Ice	0.14	0.75
							1" Ice	0.24	1.28
Hybrid cable	C	No	Yes	Inside Pole	120.00 - 0.00	3	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
LDF7-50A (1-5/8 FOAM)	C	No	Yes	Inside Pole	120.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
EW63	C	No	Yes	Inside Pole	85.00 - 0.00	1	No Ice	0.00	0.51
							1/2" Ice	0.00	0.51
							1" Ice	0.00	0.51
Hybrid cable	C	No	Yes	Inside Pole	100.00 - 0.00	3	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	120.00-69.50	A	0.000	0.000	0.000	1.894	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.46
L2	69.50-34.25	A	0.000	0.000	0.000	1.322	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.36
L3	34.25-0.00	A	0.000	0.000	0.000	0.834	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.35

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	120.00-69.50	A	1.110	0.000	0.000	0.000	13.102	0.07
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.46
L2	69.50-34.25	A	1.046	0.000	0.000	0.000	9.145	0.05
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.36
L3	34.25-0.00	A	0.936	0.000	0.000	0.000	5.488	0.03

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.35

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Lightning Rod 5/8x4'	C	From Face	0.00 / 0.00 / 2.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	0.25 0.66 0.97	0.25 0.66 0.97	0.03 0.03 0.04
(3) 12' EEI T-FRAMES	C	None		0.0000	120.00	No Ice 1/2" Ice 1" Ice	28.73 37.40 46.07	28.73 37.40 46.07	2.21 2.42 2.63
(3) BXA-70080-8CF	A	From Face	3.00 / 0.00 / 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	8.20 8.79 9.38	6.59 7.17 7.75	0.02 0.07 0.13
(2) NHH-85C-R2B	B	From Face	3.00 / 0.00 / 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	11.39 12.01 12.63	7.66 8.25 8.84	0.05 0.12 0.19
(3) AIR6449	C	From Face	3.00 / 0.00 / 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	5.68 5.98 6.29	2.42 2.64 2.87	0.10 0.14 0.19
MX06FRO860-02	A	From Face	3.00 / 0.00 / 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	14.01 14.61 15.22	10.44 11.05 11.67	0.11 0.20 0.29
(2) MX06FRO860-02	B	From Face	3.00 / 0.00 / 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	14.01 14.61 15.22	10.44 11.05 11.67	0.11 0.20 0.29
MX06FRO860-02	C	From Face	3.00 / 0.00 / 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice	14.01 14.61 15.22	10.44 11.05 11.67	0.11 0.20 0.29
RRUS 4449	A	From Face	3.00 / 0.00 / 0.00	0.0000	122.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	1.16 1.30 1.45	0.07 0.09 0.10
RRUS 8843	A	From Face	3.00 / 0.00 / 0.00	0.0000	122.00	No Ice 1/2" Ice 1" Ice	3.50 3.74 3.99	2.36 2.57 2.78	0.09 0.11 0.15
RRUS 4449	B	From Face	3.00 / 0.00 / 0.00	0.0000	122.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	1.16 1.30 1.45	0.07 0.09 0.10
RRUS 8843	B	From Face	3.00 / 0.00 / 0.00	0.0000	122.00	No Ice 1/2" Ice 1" Ice	3.50 3.74 3.99	2.36 2.57 2.78	0.09 0.11 0.15
RRUS 4449	C	From Face	3.00 / 0.00 / 0.00	0.0000	122.00	No Ice 1/2" Ice 1" Ice	1.65 1.81 1.98	1.16 1.30 1.45	0.07 0.09 0.10
RRUS 8843	C	From Face	3.00 / 0.00 / 0.00	0.0000	122.00	No Ice 1/2" Ice 1" Ice	3.50 3.74 3.99	2.36 2.57 2.78	0.09 0.11 0.15
DC12-48-60-0-25E	A	None		0.0000	122.00	No Ice 1/2" Ice 1" Ice	3.04 3.25 3.48	1.09 1.24 1.39	0.06 0.08 0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) 12' EEI T-FRAMES	C	None		0.0000	96.00	No Ice	28.73	28.73	2.21
						1/2" Ice	37.40	37.40	2.42
						1" Ice	46.07	46.07	2.63
(4) 8' X 2' X 6" PANEL	A	From Face	3.00	0.0000	96.00	No Ice	20.27	6.80	0.10
			0.00			1/2" Ice	20.91	7.38	0.20
			0.00			1" Ice	21.57	7.98	0.31
(4) 8' X 2' X 6" PANEL	B	From Face	3.00	0.0000	96.00	No Ice	20.27	6.80	0.10
			0.00			1/2" Ice	20.91	7.38	0.20
			0.00			1" Ice	21.57	7.98	0.31
(4) 8' X 2' X 6" PANEL	C	From Face	3.00	0.0000	96.00	No Ice	20.27	6.80	0.10
			0.00			1/2" Ice	20.91	7.38	0.20
			0.00			1" Ice	21.57	7.98	0.31
(4) RRH 18.5" X 20.4" X 7.5"	A	From Face	3.00	0.0000	100.00	No Ice	3.15	1.16	0.05
			0.00			1/2" Ice	3.36	1.30	0.07
			0.00			1" Ice	3.59	1.46	0.10
(4) RRH 18.5" X 20.4" X 7.5"	B	From Face	3.00	0.0000	100.00	No Ice	3.15	1.16	0.05
			0.00			1/2" Ice	3.36	1.30	0.07
			0.00			1" Ice	3.59	1.46	0.10
(4) RRH 18.5" X 20.4" X 7.5"	C	From Face	3.00	0.0000	100.00	No Ice	3.15	1.16	0.05
			0.00			1/2" Ice	3.36	1.30	0.07
			0.00			1" Ice	3.59	1.46	0.10
Commscope RCMDC-3315-PF-48	A	From Face	3.00	0.0000	100.00	No Ice	3.71	2.19	0.03
			0.00			1/2" Ice	3.95	2.39	0.06
			0.00			1" Ice	4.20	2.61	0.09
Commscope RCMDC-3315-PF-48	B	From Face	3.00	0.0000	100.00	No Ice	3.71	2.19	0.03
			0.00			1/2" Ice	3.95	2.39	0.06
			0.00			1" Ice	4.20	2.61	0.09
Commscope RCMDC-3315-PF-48	C	From Face	3.00	0.0000	100.00	No Ice	3.71	2.19	0.03
			0.00			1/2" Ice	3.95	2.39	0.06
			0.00			1" Ice	4.20	2.61	0.09

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Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
Andrew 4' w/Radome	B	Paraboloid w/Radome	From Leg	0.50	Worst		85.00	4.00	No Ice	12.57	0.14
				0.00					1/2" Ice	13.10	0.28
				0.00					1" Ice	13.62	0.42

Tower Pressures - No Ice

$G_H = 1.100$

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1	93.43	1.248	43	117.156	A	0.000	120.670	120.670	100.00	0.000	1.894
120.00-69.50					B	0.000	120.670		100.00	0.000	0.000
					C	0.000	120.670		100.00	0.000	0.000
L2 69.50-34.25	51.58	1.101	38	108.206	A	0.000	111.452	111.452	100.00	0.000	1.322
					B	0.000	111.452		100.00	0.000	0.000
					C	0.000	111.452		100.00	0.000	0.000
L3 34.25-0.00	17.11	0.873	31	125.376	A	0.000	129.137	129.137	100.00	0.000	0.834
					B	0.000	129.137		100.00	0.000	0.000
					C	0.000	129.137		100.00	0.000	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 120.00-69.50	93.43	1.248	3	1.1097	126.496	A	0.000	130.290	130.290	100.00	0.000	13.102
						B	0.000	130.290		100.00	0.000	0.000
						C	0.000	130.290		100.00	0.000	0.000
L2 69.50-34.25	51.58	1.101	2	1.0457	114.726	A	0.000	118.167	118.167	100.00	0.000	9.145
						B	0.000	118.167		100.00	0.000	0.000
						C	0.000	118.167		100.00	0.000	0.000
L3 34.25-0.00	17.11	0.873	2	0.9364	131.345	A	0.000	135.285	135.285	100.00	0.000	5.488
						B	0.000	135.285		100.00	0.000	0.000
						C	0.000	135.285		100.00	0.000	0.000

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Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1	93.43	1.248	10	117.156	A	0.000	120.670	120.670	100.00	0.000	1.894
120.00-69.50					B	0.000	120.670		100.00	0.000	0.000
					C	0.000	120.670		100.00	0.000	0.000
L2 69.50-34.25	51.58	1.101	8	108.206	A	0.000	111.452	111.452	100.00	0.000	1.322
					B	0.000	111.452		100.00	0.000	0.000
					C	0.000	111.452		100.00	0.000	0.000
L3 34.25-0.00	17.11	0.873	7	125.376	A	0.000	129.137	129.137	100.00	0.000	0.834
					B	0.000	129.137		100.00	0.000	0.000
					C	0.000	129.137		100.00	0.000	0.000

Tower Forces - No Ice - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.47	2.82	A	1	0.73	43	1	1	120.670	4.27	84.51	C
120.00-69.50			B	1	0.73		1	1	120.670			
			C	1	0.73		1	1	120.670			
L2	0.37	3.88	A	1	0.73	38	1	1	111.452	3.46	98.02	C
69.50-34.25			B	1	0.73		1	1	111.452			
			C	1	0.73		1	1	111.452			
L3 34.25-0.00	0.36	5.78	A	1	0.73	31	1	1	129.137	3.25	94.98	C
			B	1	0.73		1	1	129.137			
			C	1	0.73		1	1	129.137			
Sum Weight:	1.20	12.47						OTM	632.62 kip-ft	10.98		

Tower Forces - No Ice - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.47	2.82	A	1	0.73	43	1	1	120.670	4.27	84.51	C
120.00-69.50			B	1	0.73		1	1	120.670			
			C	1	0.73		1	1	120.670			
L2	0.37	3.88	A	1	0.73	38	1	1	111.452	3.46	98.02	C
69.50-34.25			B	1	0.73		1	1	111.452			
			C	1	0.73		1	1	111.452			
L3 34.25-0.00	0.36	5.78	A	1	0.73	31	1	1	129.137	3.25	94.98	C
			B	1	0.73		1	1	129.137			
			C	1	0.73		1	1	129.137			
Sum Weight:	1.20	12.47						OTM	632.62 kip-ft	10.98		

Tower Forces - No Ice - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.47	2.82	A	1	0.73	43	1	1	120.670	4.27	84.51	C
120.00-69.50			B	1	0.73		1	1	120.670			
			C	1	0.73		1	1	120.670			
L2	0.37	3.88	A	1	0.73	38	1	1	111.452	3.46	98.02	C
69.50-34.25			B	1	0.73		1	1	111.452			
			C	1	0.73		1	1	111.452			
L3 34.25-0.00	0.36	5.78	A	1	0.73	31	1	1	129.137	3.25	94.98	C
			B	1	0.73		1	1	129.137			
			C	1	0.73		1	1	129.137			
Sum Weight:	1.20	12.47						OTM	632.62 kip-ft	10.98		

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Tower Forces - With Ice - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.53	4.79	A	1	1.2	3	1	1	130.290	0.50	9.95	C
120.00-69.50			B	1	1.2		1	1	130.290			
			C	1	1.2		1	1	130.290			
L2	0.41	5.58	A	1	1.2	2	1	1	117.780	0.39	11.15	C
69.50-34.25			B	1	1.2		1	1	117.780			
			C	1	1.2		1	1	117.780			
L3 34.25-0.00	0.38	7.53	A	1	1.2	2	1	1	134.643	0.36	10.43	C
			B	1	1.2		1	1	134.643			
			C	1	1.2		1	1	134.643			
Sum Weight:	1.32	17.90						OTM	73.31 kip-ft	1.25		

Tower Forces - With Ice - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.53	4.79	A	1	1.2	3	1	1	130.290	0.50	9.95	C
120.00-69.50			B	1	1.2		1	1	130.290			
			C	1	1.2		1	1	130.290			
L2	0.41	5.58	A	1	1.2	2	1	1	117.780	0.39	11.15	C
69.50-34.25			B	1	1.2		1	1	117.780			
			C	1	1.2		1	1	117.780			
L3 34.25-0.00	0.38	7.53	A	1	1.2	2	1	1	134.643	0.36	10.43	C
			B	1	1.2		1	1	134.643			
			C	1	1.2		1	1	134.643			
Sum Weight:	1.32	17.90						OTM	73.31 kip-ft	1.25		

Tower Forces - With Ice - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.53	4.79	A	1	1.2	3	1	1	130.290	0.50	9.95	C
120.00-69.50			B	1	1.2		1	1	130.290			
			C	1	1.2		1	1	130.290			
L2	0.41	5.58	A	1	1.2	2	1	1	117.780	0.39	11.15	C
69.50-34.25			B	1	1.2		1	1	117.780			
			C	1	1.2		1	1	117.780			

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L3 34.25-0.00	0.38	7.53	A	1	1.2	2	1	1	134.643	0.36	10.43	C
			B	1	1.2		1	1	134.643			
			C	1	1.2		1	1	134.643			
Sum Weight:	1.32	17.90						OTM	73.31 kip-ft	1.25		

Tower Forces - Service - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.47	2.82	A	1	0.73	10	1	1	120.670	0.95	18.90	C
120.00-69.50			B	1	0.73		1	1	120.670			
			C	1	0.73		1	1	120.670			
L2	0.37	3.88	A	1	0.73	8	1	1	111.452	0.77	21.93	C
69.50-34.25			B	1	0.73		1	1	111.452			
			C	1	0.73		1	1	111.452			
L3 34.25-0.00	0.36	5.78	A	1	0.73	7	1	1	129.137	0.73	21.24	C
			B	1	0.73		1	1	129.137			
			C	1	0.73		1	1	129.137			
Sum Weight:	1.20	12.47						OTM	141.51 kip-ft	2.46		

Tower Forces - Service - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.47	2.82	A	1	0.73	10	1	1	120.670	0.95	18.90	C
120.00-69.50			B	1	0.73		1	1	120.670			
			C	1	0.73		1	1	120.670			
L2	0.37	3.88	A	1	0.73	8	1	1	111.452	0.77	21.93	C
69.50-34.25			B	1	0.73		1	1	111.452			
			C	1	0.73		1	1	111.452			
L3 34.25-0.00	0.36	5.78	A	1	0.73	7	1	1	129.137	0.73	21.24	C
			B	1	0.73		1	1	129.137			
			C	1	0.73		1	1	129.137			
Sum Weight:	1.20	12.47						OTM	141.51 kip-ft	2.46		

Tower Forces - Service - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft^2	F K	w plf	Ctrl. Face
L1	0.47	2.82	A	1	0.73	10	1	1	120.670	0.95	18.90	C
120.00-69.50			B	1	0.73		1	1	120.670			
			C	1	0.73		1	1	120.670			
L2	0.37	3.88	A	1	0.73	8	1	1	111.452	0.77	21.93	C
69.50-34.25			B	1	0.73		1	1	111.452			
			C	1	0.73		1	1	111.452			
L3 34.25-0.00	0.36	5.78	A	1	0.73	7	1	1	129.137	0.73	21.24	C
			B	1	0.73		1	1	129.137			
			C	1	0.73		1	1	129.137			
Sum Weight:	1.20	12.47						OTM	141.51 kip-ft	2.46		

Force Totals

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M_x kip-ft	Sum of Overturning Moments, M_z kip-ft	Sum of Torques kip-ft
Leg Weight	12.47					
Bracing Weight	0.00					
Total Member Self-Weight	12.47			0.79	-0.72	
Total Weight	21.60			0.79	-0.72	
Wind 0 deg - No Ice		0.13	-27.83	-2430.03	-16.87	1.77
Wind 30 deg - No Ice		13.99	-24.17	-2112.44	-1224.49	0.24
Wind 60 deg - No Ice		24.09	-14.03	-1228.60	-2104.21	-1.36
Wind 90 deg - No Ice		27.74	-0.13	-15.35	-2420.30	-2.60
Wind 120 deg - No Ice		23.96	13.80	1202.22	-2088.06	-3.14
Wind 150 deg - No Ice		13.75	24.04	2097.88	-1196.52	-2.83
Wind 180 deg - No Ice		-0.13	27.83	2431.62	15.43	-1.77
Wind 210 deg - No Ice		-13.99	24.17	2114.03	1223.06	-0.24
Wind 240 deg - No Ice		-24.09	14.03	1230.19	2102.77	1.36
Wind 270 deg - No Ice		-27.74	0.13	16.94	2418.86	2.60
Wind 300 deg - No Ice		-23.96	-13.80	-1200.63	2086.63	3.14
Wind 330 deg - No Ice		-13.75	-24.04	-2096.29	1195.09	2.83
Member Ice	5.43					
Total Weight Ice	34.43			0.45	-1.76	
Wind 0 deg - Ice		0.01	-2.54	-210.77	-2.77	0.12
Wind 30 deg - Ice		1.27	-2.21	-182.98	-107.81	0.01
Wind 60 deg - Ice		2.20	-1.28	-106.04	-184.43	-0.10
Wind 90 deg - Ice		2.53	-0.01	-0.56	-212.11	-0.19
Wind 120 deg - Ice		2.19	1.26	105.18	-183.42	-0.22
Wind 150 deg - Ice		1.26	2.20	182.86	-106.06	-0.19
Wind 180 deg - Ice		-0.01	2.54	211.67	-0.74	-0.12
Wind 210 deg - Ice		-1.27	2.21	183.87	104.29	-0.01
Wind 240 deg - Ice		-2.20	1.28	106.93	180.92	0.10
Wind 270 deg - Ice		-2.53	0.01	1.46	208.59	0.19
Wind 300 deg - Ice		-2.19	-1.26	-104.28	179.91	0.22
Wind 330 deg - Ice		-1.26	-2.20	-181.96	102.54	0.19
Total Weight	21.60			0.79	-0.72	
Wind 0 deg - Service		0.03	-6.23	-542.94	-4.33	0.40
Wind 30 deg - Service		3.13	-5.41	-471.90	-274.46	0.05
Wind 60 deg - Service		5.39	-3.14	-274.20	-471.24	-0.30
Wind 90 deg - Service		6.21	-0.03	-2.82	-541.94	-0.58
Wind 120 deg - Service		5.36	3.09	269.54	-467.62	-0.70

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Load Case	*Vertical Forces* *K*	*Sum of Forces X* *K*	*Sum of Forces Z* *K*	*Sum of Overturning Moments, M_x* *kip-ft*	*Sum of Overturning Moments, M_z* *kip-ft*	*Sum of Torques* *kip-ft*
Wind 150 deg - Service		3.08	5.38	469.88	-268.20	-0.63
Wind 180 deg - Service		-0.03	6.23	544.53	2.89	-0.40
Wind 210 deg - Service		-3.13	5.41	473.49	273.02	-0.05
Wind 240 deg - Service		-5.39	3.14	275.79	469.80	0.30
Wind 270 deg - Service		-6.21	0.03	4.41	540.50	0.58
Wind 300 deg - Service		-5.36	-3.09	-267.95	466.19	0.70
Wind 330 deg - Service		-3.08	-5.38	-468.29	266.76	0.63

Load Combinations

Comb. No.	*Description*
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service

Comb. No.	Description
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	120 - 69.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.15	-2.03	-0.65
			Max. Mx	8	-11.38	-660.22	5.36
			Max. My	14	-11.36	5.61	-664.77
			Max. Vy	8	21.53	-660.22	5.36
			Max. Vx	14	21.63	5.61	-664.77
			Max. Torque	22			-3.14
L2	69.5 - 34.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28.74	-2.05	-0.65
			Max. Mx	8	-16.80	-1450.44	10.23
			Max. My	14	-16.79	10.38	-1458.33
			Max. Vy	8	24.57	-1450.44	10.23
			Max. Vx	14	24.67	10.38	-1458.33
			Max. Torque	23			-3.07
L3	34.25 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.28	-2.05	-0.65
			Max. Mx	8	-25.90	-2500.18	15.73
			Max. My	14	-25.90	15.87	-2511.90
			Max. Vy	8	27.76	-2500.18	15.73
			Max. Vx	14	27.86	15.87	-2511.90
			Max. Torque	23			-3.06

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	39.28	-0.00	-0.00
	Max. H_x	20	25.92	27.74	-0.13
	Max. H_z	3	19.44	-0.13	27.83
	Max. M_x	2	2509.89	-0.13	27.83
	Max. M_z	8	2500.18	-27.74	0.13
	Max. Torsion	11	3.06	-23.96	-13.80
	Min. Vert	19	19.44	24.09	-14.03
	Min. H_x	9	19.44	-27.74	0.13
	Min. H_z	14	25.92	0.13	-27.83
	Min. M_x	14	-2511.90	0.13	-27.83
	Min. M_z	20	-2498.35	27.74	-0.13
	Min. Torsion	23	-3.06	23.96	13.80

Tower Mast Reaction Summary

Load Combination	*Vertical*	*Shear$_x$*	*Shear$_z$*	*Overturning Moment, M$_x$*	*Overturning Moment, M$_z$*	*Torque*
	K	*K*	*K*	*kip-ft*	*kip-ft*	*kip-ft*
Dead Only	21.60	0.00	0.00	0.81	-0.73	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	25.92	0.13	-27.83	-2509.89	-17.68	1.80
0.9 Dead+1.0 Wind 0 deg - No Ice	19.44	0.13	-27.83	-2488.38	-17.27	1.79
1.2 Dead+1.0 Wind 30 deg - No Ice	25.92	13.99	-24.17	-2181.82	-1265.03	0.33
0.9 Dead+1.0 Wind 30 deg - No Ice	19.44	13.99	-24.17	-2163.16	-1253.81	0.30
1.2 Dead+1.0 Wind 60 deg - No Ice	25.92	24.09	-14.03	-1268.93	-2173.67	-1.24
0.9 Dead+1.0 Wind 60 deg - No Ice	19.44	24.09	-14.03	-1258.17	-2154.60	-1.26
1.2 Dead+1.0 Wind 90 deg - No Ice	25.92	27.74	-0.13	-15.72	-2500.18	-2.47
0.9 Dead+1.0 Wind 90 deg - No Ice	19.44	27.74	-0.13	-15.83	-2478.29	-2.49
1.2 Dead+1.0 Wind 120 deg - No Ice	25.92	23.96	13.80	1242.02	-2156.99	-3.04
0.9 Dead+1.0 Wind 120 deg - No Ice	19.44	23.96	13.80	1231.01	-2138.09	-3.06
1.2 Dead+1.0 Wind 150 deg - No Ice	25.92	13.75	24.04	2167.21	-1236.01	-2.80
0.9 Dead+1.0 Wind 150 deg - No Ice	19.44	13.75	24.04	2148.17	-1225.10	-2.80
1.2 Dead+1.0 Wind 180 deg - No Ice	25.92	-0.13	27.83	2511.90	15.87	-1.81
0.9 Dead+1.0 Wind 180 deg - No Ice	19.44	-0.13	27.83	2489.88	15.93	-1.79
1.2 Dead+1.0 Wind 210 deg - No Ice	25.92	-13.99	24.17	2183.86	1263.18	-0.33
0.9 Dead+1.0 Wind 210 deg - No Ice	19.44	-13.99	24.17	2164.65	1252.46	-0.30
1.2 Dead+1.0 Wind 240 deg - No Ice	25.92	-24.09	14.03	1270.99	2171.82	1.24
0.9 Dead+1.0 Wind 240 deg - No Ice	19.44	-24.09	14.03	1259.69	2153.23	1.27
1.2 Dead+1.0 Wind 270 deg - No Ice	25.92	-27.74	0.13	17.82	2498.35	2.47
0.9 Dead+1.0 Wind 270 deg - No Ice	19.44	-27.74	0.13	17.37	2476.95	2.50
1.2 Dead+1.0 Wind 300 deg - No Ice	25.92	-23.96	-13.80	-1239.94	2155.20	3.04
0.9 Dead+1.0 Wind 300 deg - No Ice	19.44	-23.96	-13.80	-1229.47	2136.77	3.06
1.2 Dead+1.0 Wind 330 deg - No Ice	25.92	-13.75	-24.04	-2165.16	1234.23	2.80
0.9 Dead+1.0 Wind 330 deg - No Ice	19.44	-13.75	-24.04	-2146.66	1223.79	2.80
1.2 Dead+1.0 Ice+1.0 Temp	39.28	0.00	0.00	0.65	-2.05	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	39.28	0.01	-2.54	-222.82	-3.21	0.13
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	39.28	1.27	-2.21	-193.42	-114.35	0.01
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	39.28	2.20	-1.28	-112.01	-195.42	-0.10
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	39.28	2.53	-0.01	-0.41	-224.69	-0.19

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	39.28	2.19	1.26	111.49	-194.33	-0.22
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	39.28	1.26	2.20	193.69	-112.47	-0.20
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	39.28	-0.01	2.54	224.17	-1.04	-0.13
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	39.28	-1.27	2.21	194.77	110.10	-0.01
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	39.28	-2.20	1.28	113.36	191.17	0.10
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	39.28	-2.53	0.01	1.76	220.45	0.19
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	39.28	-2.19	-1.26	-110.13	190.09	0.22
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	39.28	-1.26	-2.20	-192.34	108.22	0.20
Dead+Wind 0 deg - Service	21.60	0.03	-6.23	-558.55	-4.49	0.41
Dead+Wind 30 deg - Service	21.60	3.13	-5.41	-485.47	-282.39	0.07
Dead+Wind 60 deg - Service	21.60	5.39	-3.14	-282.09	-484.82	-0.29
Dead+Wind 90 deg - Service	21.60	6.21	-0.03	-2.89	-557.55	-0.56
Dead+Wind 120 deg - Service	21.60	5.36	3.09	277.30	-481.09	-0.69
Dead+Wind 150 deg - Service	21.60	3.08	5.38	483.42	-275.92	-0.64
Dead+Wind 180 deg - Service	21.60	-0.03	6.23	560.23	2.98	-0.41
Dead+Wind 210 deg - Service	21.60	-3.13	5.41	487.16	280.87	-0.07
Dead+Wind 240 deg - Service	21.60	-5.39	3.14	283.77	483.30	0.29
Dead+Wind 270 deg - Service	21.60	-6.21	0.03	4.58	556.03	0.57
Dead+Wind 300 deg - Service	21.60	-5.36	-3.09	-275.62	479.57	0.69
Dead+Wind 330 deg - Service	21.60	-3.08	-5.38	-481.74	274.40	0.63

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Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-21.60	0.00	0.00	21.60	0.00	0.000%
2	0.13	-25.92	-27.83	-0.13	25.92	27.83	0.000%
3	0.13	-19.44	-27.83	-0.13	19.44	27.83	0.000%
4	13.99	-25.92	-24.17	-13.99	25.92	24.17	0.000%
5	13.99	-19.44	-24.17	-13.99	19.44	24.17	0.000%
6	24.09	-25.92	-14.03	-24.09	25.92	14.03	0.000%
7	24.09	-19.44	-14.03	-24.09	19.44	14.03	0.000%
8	27.74	-25.92	-0.13	-27.74	25.92	0.13	0.000%
9	27.74	-19.44	-0.13	-27.74	19.44	0.13	0.000%
10	23.96	-25.92	13.80	-23.96	25.92	-13.80	0.000%
11	23.96	-19.44	13.80	-23.96	19.44	-13.80	0.000%
12	13.75	-25.92	24.04	-13.75	25.92	-24.04	0.000%
13	13.75	-19.44	24.04	-13.75	19.44	-24.04	0.000%
14	-0.13	-25.92	27.83	0.13	25.92	-27.83	0.000%
15	-0.13	-19.44	27.83	0.13	19.44	-27.83	0.000%
16	-13.99	-25.92	24.17	13.99	25.92	-24.17	0.000%
17	-13.99	-19.44	24.17	13.99	19.44	-24.17	0.000%
18	-24.09	-25.92	14.03	24.09	25.92	-14.03	0.000%
19	-24.09	-19.44	14.03	24.09	19.44	-14.03	0.000%
20	-27.74	-25.92	0.13	27.74	25.92	-0.13	0.000%
21	-27.74	-19.44	0.13	27.74	19.44	-0.13	0.000%
22	-23.96	-25.92	-13.80	23.96	25.92	13.80	0.000%
23	-23.96	-19.44	-13.80	23.96	19.44	13.80	0.000%
24	-13.75	-25.92	-24.04	13.75	25.92	24.04	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
25	-13.75	-19.44	-24.04	13.75	19.44	24.04	0.000%
26	0.00	-39.28	0.00	-0.00	39.28	-0.00	0.000%
27	0.01	-39.28	-2.54	-0.01	39.28	2.54	0.000%
28	1.27	-39.28	-2.21	-1.27	39.28	2.21	0.000%
29	2.20	-39.28	-1.28	-2.20	39.28	1.28	0.000%
30	2.53	-39.28	-0.01	-2.53	39.28	0.01	0.000%
31	2.19	-39.28	1.26	-2.19	39.28	-1.26	0.000%
32	1.26	-39.28	2.20	-1.26	39.28	-2.20	0.000%
33	-0.01	-39.28	2.54	0.01	39.28	-2.54	0.000%
34	-1.27	-39.28	2.21	1.27	39.28	-2.21	0.000%
35	-2.20	-39.28	1.28	2.20	39.28	-1.28	0.000%
36	-2.53	-39.28	0.01	2.53	39.28	-0.01	0.000%
37	-2.19	-39.28	-1.26	2.19	39.28	1.26	0.000%
38	-1.26	-39.28	-2.20	1.26	39.28	2.20	0.000%
39	0.03	-21.60	-6.23	-0.03	21.60	6.23	0.000%
40	3.13	-21.60	-5.41	-3.13	21.60	5.41	0.000%
41	5.39	-21.60	-3.14	-5.39	21.60	3.14	0.000%
42	6.21	-21.60	-0.03	-6.21	21.60	0.03	0.000%
43	5.36	-21.60	3.09	-5.36	21.60	-3.09	0.000%
44	3.08	-21.60	5.38	-3.08	21.60	-5.38	0.000%
45	-0.03	-21.60	6.23	0.03	21.60	-6.23	0.000%
46	-3.13	-21.60	5.41	3.13	21.60	-5.41	0.000%
47	-5.39	-21.60	3.14	5.39	21.60	-3.14	0.000%
48	-6.21	-21.60	0.03	6.21	21.60	-0.03	0.000%
49	-5.36	-21.60	-3.09	5.36	21.60	3.09	0.000%
50	-3.08	-21.60	-5.38	3.08	21.60	5.38	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00004370
3	Yes	4	0.00000001	0.00062843
4	Yes	5	0.00000001	0.00052066
5	Yes	5	0.00000001	0.00020314
6	Yes	5	0.00000001	0.00053396
7	Yes	5	0.00000001	0.00020954
8	Yes	5	0.00000001	0.00005911
9	Yes	4	0.00000001	0.00087192
10	Yes	5	0.00000001	0.00047588
11	Yes	5	0.00000001	0.00018539
12	Yes	5	0.00000001	0.00054054
13	Yes	5	0.00000001	0.00021437
14	Yes	4	0.00000001	0.00061362
15	Yes	4	0.00000001	0.00034852
16	Yes	5	0.00000001	0.00051683
17	Yes	5	0.00000001	0.00020164
18	Yes	5	0.00000001	0.00050430
19	Yes	5	0.00000001	0.00019587
20	Yes	4	0.00000001	0.00099646
21	Yes	4	0.00000001	0.00059507
22	Yes	5	0.00000001	0.00054111
23	Yes	5	0.00000001	0.00021540
24	Yes	5	0.00000001	0.00047575
25	Yes	5	0.00000001	0.00018579

26	Yes	4	0.00000001	0.00001835
27	Yes	4	0.00000001	0.00076198
28	Yes	4	0.00000001	0.00079592
29	Yes	4	0.00000001	0.00080065
30	Yes	4	0.00000001	0.00077830
31	Yes	4	0.00000001	0.00079675
32	Yes	4	0.00000001	0.00079611
33	Yes	4	0.00000001	0.00077101
34	Yes	4	0.00000001	0.00078579
35	Yes	4	0.00000001	0.00077737
36	Yes	4	0.00000001	0.00074690
37	Yes	4	0.00000001	0.00076400
38	Yes	4	0.00000001	0.00076850
39	Yes	4	0.00000001	0.00007467
40	Yes	4	0.00000001	0.00026859
41	Yes	4	0.00000001	0.00029156
42	Yes	4	0.00000001	0.00010336
43	Yes	4	0.00000001	0.00022897
44	Yes	4	0.00000001	0.00031643
45	Yes	4	0.00000001	0.00006796
46	Yes	4	0.00000001	0.00026289
47	Yes	4	0.00000001	0.00024793
48	Yes	4	0.00000001	0.00009529
49	Yes	4	0.00000001	0.00031681
50	Yes	4	0.00000001	0.00022243

Maximum Tower Deflections - Service Wind

Section No.	*Elevation*	*Horz. Deflection*	*Gov. Load Comb.*	*Tilt*	*Twist*
	ft	*in*		°	°
L1	120 - 69.5	19.809	46	1.4349	0.0117
L2	74.25 - 34.25	7.576	46	0.9871	0.0029
L3	40 - 0	2.148	46	0.4888	0.0010

Critical Deflections and Radius of Curvature - Service Wind

Elevation	*Appurtenance*	*Gov. Load Comb.*	*Deflection*	*Tilt*	*Twist*	*Radius of Curvature*
ft			*in*	°	°	*ft*
122.00	RRUS 4449	46	19.809	1.4349	0.0117	32878
120.00	Lightning Rod 5/8x4'	46	19.809	1.4349	0.0117	32878
100.00	(4) RRH 18.5" X 20.4" X 7.5"	46	14.049	1.2649	0.0072	8219
96.00	(3) 12' EEI T-FRAMES	46	12.948	1.2277	0.0064	6849
85.00	Andrew 4' w/Radome	46	10.081	1.1155	0.0044	4696

Maximum Tower Deflections - Design Wind

Section No.	*Elevation*	*Horz. Deflection*	*Gov. Load Comb.*	*Tilt*	*Twist*
	ft	*in*		°	°

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 69.5	88.711	16	6.4328	0.0520
L2	74.25 - 34.25	33.980	16	4.4313	0.0130
L3	40 - 0	9.640	16	2.1940	0.0044

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
122.00	RRUS 4449	16	88.711	6.4328	0.0520	7508
120.00	Lightning Rod 5/8x4'	16	88.711	6.4328	0.0520	7508
100.00	(4) RRH 18.5" X 20.4" X 7.5"	16	62.949	5.6746	0.0322	1874
96.00	(3) 12' EEI T-FRAMES	16	58.025	5.5084	0.0285	1561
85.00	Andrew 4' w/Radome	16	45.193	5.0064	0.0196	1067

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Base Plate Design Data

Plate Thickness in	Number of Anchor Bolts	Anchor Bolt Size in	Actual Allowable Ratio Bolt Tension K	Actual Allowable Ratio Bolt Compression K	Actual Allowable Ratio Plate Stress ksi	Actual Allowable Ratio Stiffener Stress ksi	Controlling Condition	Ratio
1.7500	16	1.7500	138.54 178.07 0.78	141.78 295.60 0.48	34.880 45.000 0.78	29.283 45.000 0.65	Bolt T	0.78 ✔

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	120 - 69.5 (1)	TP32.8891x22x0.1875	50.50	120.00	128.1	18.8520	-11.35	259.73	0.044
L2	69.5 - 34.25 (2)	TP40.1149x31.4899x0.25	40.00	120.00	105.0	30.6490	-16.78	627.81	0.027
L3	34.25 - 0 (3)	TP47.0001x38.3751x0.3125	40.00	120.00	86.9	46.3083	-25.90	1321.91	0.020

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	120 - 69.5 (1)	TP32.8891x22x0.1875	668.62	744.75	0.898	0.00	744.75	0.000
L2	69.5 - 34.25 (2)	TP40.1149x31.4899x0.25	1465.50	1541.13	0.951	0.00	1541.13	0.000
L3	34.25 - 0 (3)	TP47.0001x38.3751x0.3125	2522.87	2856.27	0.883	0.00	2856.27	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	120 - 69.5 (1)	TP32.8891x22x0.1875	21.72	330.85	0.066	0.33	917.83	0.000
L2	69.5 - 34.25 (2)	TP40.1149x31.4899x0.25	24.77	537.89	0.046	0.33	1819.46	0.000
L3	34.25 - 0 (3)	TP47.0001x38.3751x0.3125	27.95	812.71	0.034	0.33	3322.90	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	120 - 69.5 (1)	0.044	0.898	0.000	0.066	0.000	0.946 ✔	1.000	4.8.2 ✔
L2	69.5 - 34.25 (2)	0.027	0.951	0.000	0.046	0.000	0.980 ✔	1.000	4.8.2 ✔
L3	34.25 - 0 (3)	0.020	0.883	0.000	0.034	0.000	0.904 ✔	1.000	4.8.2 ✔

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	120 - 69.5	Pole	TP32.8891x22x0.1875	1	-11.35	259.73	94.6	Pass
L2	69.5 - 34.25	Pole	TP40.1149x31.4899x0.25	2	-16.78	627.81	98.0	Pass
L3	34.25 - 0	Pole	TP47.0001x38.3751x0.3125	3	-25.90	1321.91	90.4	Pass
						Summary		
						Pole (L2)	98.0	Pass
						Base Plate	77.8	Pass
						RATING =	**98.0**	**Pass**

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TS Foundation - v 2.0.1.5 Foundation Analysis Program
(c) 2007 - 2020 TowerSoft www.TSTower.com

Licensed to: Ehresmann Engineering, Inc.
4400 W 31st St, Yankton, SD 57078

File: C:\Users\Trump\Documents\TSFoundation Jobs\110730-SLM DALLAS RELO, OR - PIER.out
Contract: 110730
Project: PIER FOUNDATION
Date and Time: 12/21/2021 1:53:52 PM

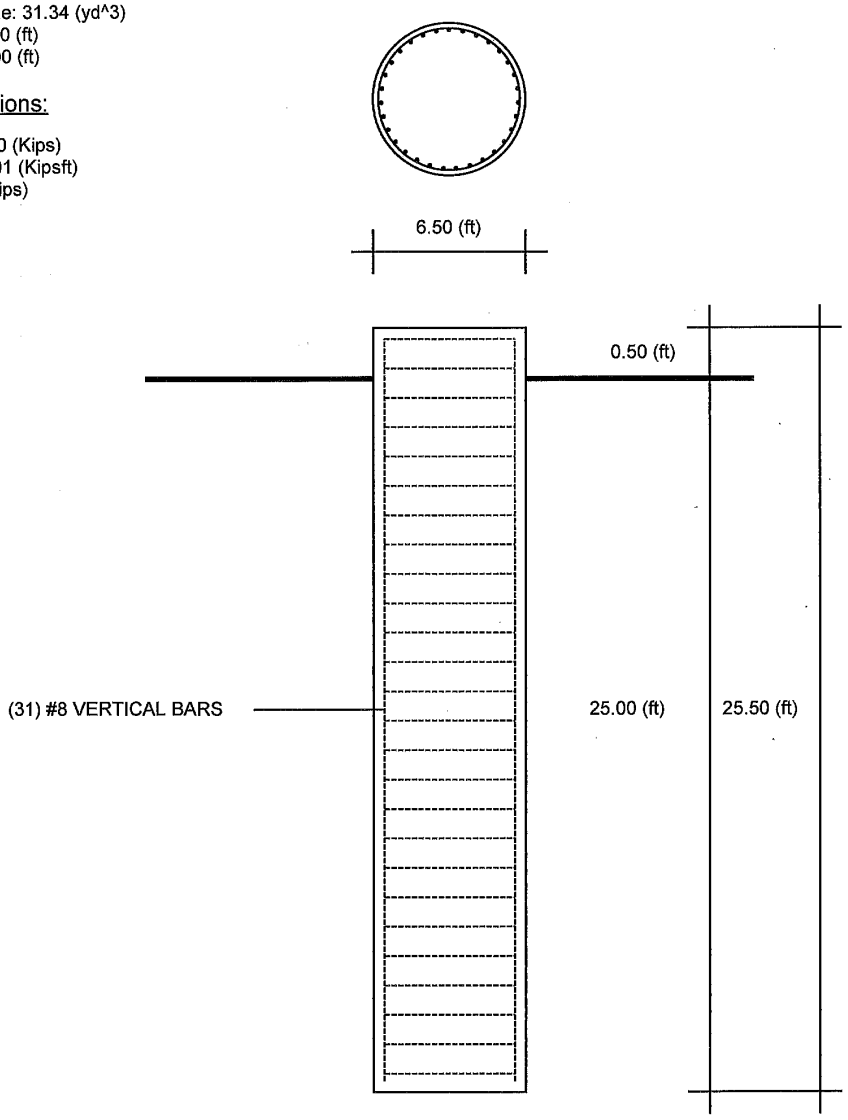
Revision:
Site: SLM DALLAS RELO, OR
Engineer: EH

CAISSON FOUNDATION

Design Standard: ANSI/TIA-222-H
Concrete Design per: ACI 318
Concrete (F'c): 4.50 (ksi)
Cement Type: GU
Steel (Fy): 60.00 (ksi)
Rebars: American
Concrete Volume: 31.34 (yd^3)
Water table: 4.50 (ft)
Frost Depth: 1.00 (ft)

Tower Reactions:

Download: 26.00 (Kips)
Moment: 2523.01 (Kipsft)
Shear: 28.00 (Kips)



CAISSON FOUNDATION ANALYSIS

DESIGN VALUES FOR CONCRETE, STEEL AND SOIL PROPERTIES:

Concrete Strength (F'c)	:	4.50 (ksi)
Steel Reinforcement Yield	:	60.00 (ksi)
Concrete Weight per Unit Volume	:	140.06 (pcf)

Soil Properties

Layer #	Depth (ft)	Density (pcf)	Submerged Density (pcf)	Rankine Passive Pressure	Allowable Net Bearing Pressure (psf)	Cohesion of Soil (psf)	Skin Friction Download (psf)	Skin Friction Uplift (psf)	Uplift Bearing Pressure (psf)	Type of Soil
1	2.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	SAND
2	3.00	110.00	48.00	3.537	0.00	0.00	700.00	700.00	0.00	SAND
3	2.00	110.00	48.00	3.852	0.00	0.00	700.00	700.00	0.00	SAND
4	4.00	110.00	48.00	3.852	0.00	0.00	1200.00	1200.00	0.00	SAND
5	19.00	110.00	48.00	3.852	25000.00	0.00	1200.00	1200.00	0.00	SAND

Depth of water below grade	:	4.50 (ft)
Frost Depth	:	1.00 (ft)
Depth of top soil ignored for cohesion	:	0.98 (ft)
Extension of Caisson Above Grade	:	0.50 (ft)
Foundation Designed According to	:	ANSI/TIA-222-H
Rebars	:	American

LOADING FACTORED AS PER ANSI/TIA-222-H

DOWNLOAD (Kips)	SHEAR (Kips)	MOMENT (Kipsft)	TOTAL LOADING
26.00	28.00	2523.01	Load Case 1 - Maximum Moment and matching Axial and Shear

ALLOWABLE SOIL BEARING PRESSURE (NET)	:	25000.00 (psf)
ULTIMATE SOIL BEARING PRESSURE (SAFETY FACTOR = 2.00)	:	50000.00 (psf)
FACTORED SOIL BEARING PRESSURE	:	37500.00 (psf)

SUPERSTRUCTURE : MONOPOLE

CAISSON DEPTH (ft)	DIAMETER (ft)	BELL DIAMETER (ft)	BELL HEIGHT (ft)	BELL SLOPED HEIGHT (ft)	ANGLE	VOLUME (yd^3)
25.00	6.50	N/A	N/A	N/A	0.00	31.34

Min. Depth required for lateral pressure	:	23.29 (ft)
% LATERAL PRESSURE = 93.18%		
Download Capacity	:	1628.68 (Kips)
% DOWNLOAD = 1.60%		
Center of Rotation (COR) below grade	:	16.98 (ft)
Maximum bending moment	:	2618.90 (Kipsft)
Depth below grade to maximum moment	:	3.90 (ft)

SHEAR FORCES AND MOMENTS ALONG CAISSON

Depth below Grade (ft)	Shear Force (Kips)	Moment (Kipsft)
1.60	31.65	2538.16
3.90	0.40	2618.90
4.88	-17.40	2618.90
7.18	-42.06	2540.27
9.47	-81.08	2401.09
11.77	-134.36	2158.85
14.07	-201.91	1780.79
16.36	-283.71	1234.16
18.66	-239.63	1042.43

20.96	-129.30	879.60
23.29	0.00	0.00

COLUMN CAPACITY
CAISSON REINFORCEMENT: 31-#8 PERCENTAGE: 0.51 %
MINIMUM REINFORCEMENT IN COMPRESSION REQUIRED BY CODE: 0.50 %
MAXIMUM DOWNLOAD: 57.12 (Kips) MAXIMUM MOMENT: 3804.92 (Kipsft)
APPLIED MOMENT = 2618.90 (Kipsft)
% COLUMN REINF. = 100 * 2618.90 / 3804.92 = 68.83%

MAXIMUM PERCENTAGE UTILIZED = 93.18%

DETAILS OF CALCULATION:

CALCULATION OF DOWNLOAD CAPACITY

Soil Bearing Capacity = Phi x BottomArea x SafetyFactor x AllowableBearingCapacity
Soil Bearing Capacity = 0.75 x 33.183 x 2.00 x 25000.00 = 1244.29 (Kips)
Download resistance due to Skin Friction/Adhesion, Drf

Layer # 2	PI x 3.00 x 6.50 x 700.00	= 42.88 (Kips)
Layer # 3	PI x 2.00 x 6.50 x 700.00	= 28.59 (Kips)
Layer # 4	PI x 4.00 x 6.50 x 1200.00	= 98.01 (Kips)
Layer # 5	PI x 14.00 x 6.50 x 1200.00	= 343.04 (Kips)
Sum of Skin Friction/Adhesion for entire shaft		= 512.52 (Kips)
Drf = Phi x SkinResistance = 0.75 x 512.52		= 384.39 (Kips)

Total Download Capacity = 1628.68 (Kips)

ATTACHMENT G.72

verizon

November 2, 2021

City of Dallas
Planning Department
187 SE Court Street, 2nd Floor
Dallas, OR 97338

RE: Proposed relocated communications site / 1500 SE Howe St (SLM DALLAS RELO)

Pursuant to Chapter 3.5 Wireless Communication Facilities, Subsection 3.5.040 (6), it is hereby certified that Verizon Wireless will negotiate in good faith to accept additional wireless carrier facilities on the proposed tower, when technically feasible.

Sincerely,

Cassandra L Reeves

verizon

Cassandra "Casey" Reeves

Real Estate Specialist
Pacific Northwest Network Engineering
M 720.229.6721
cassandra.reeves@verizonwireless.com

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RF Justification

Dallas Relocation

Prepared by Verizon

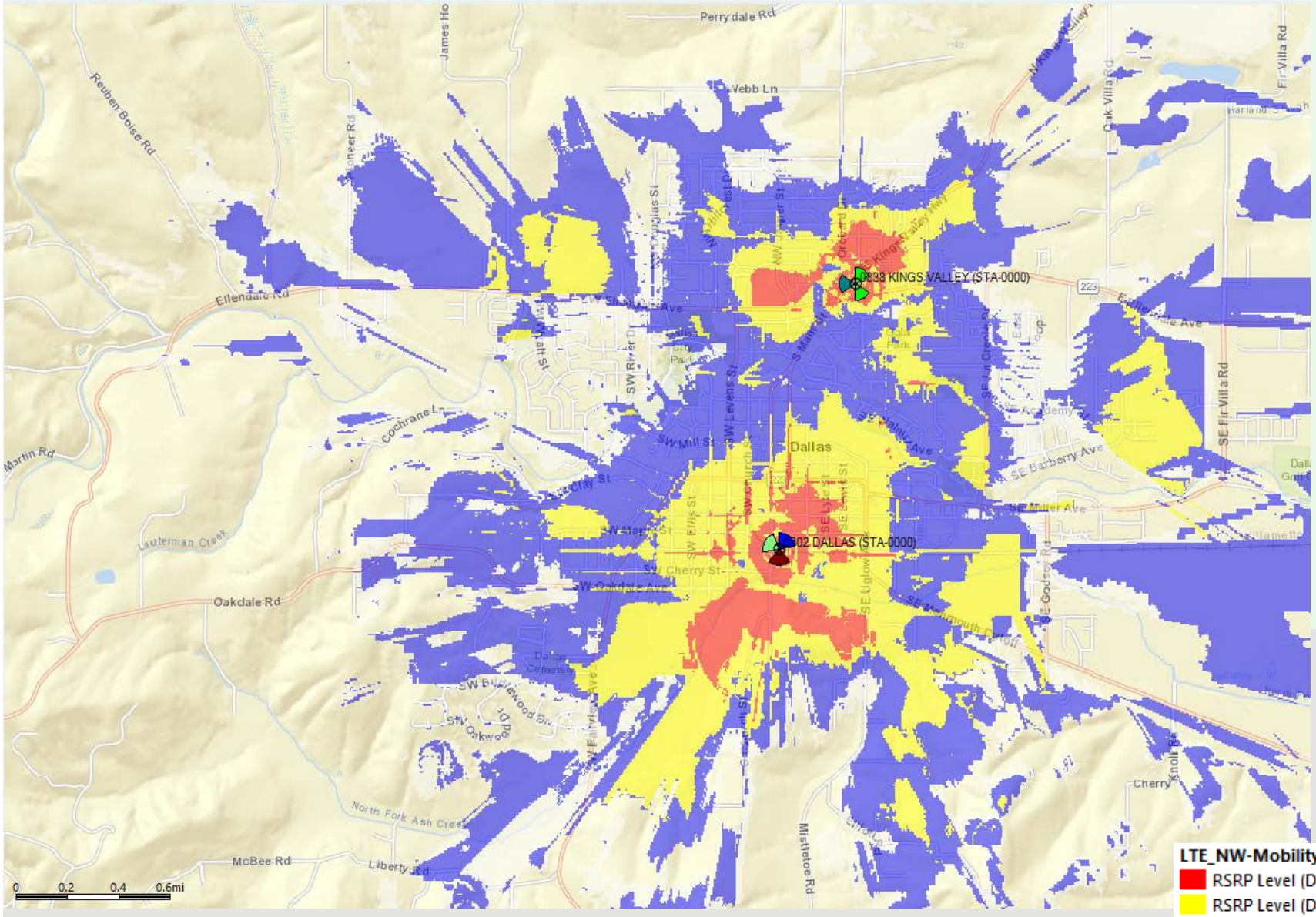
Preeti Pathanjali

Oct 19, 2021

verizon

ATTACHMENT G.73

Coverage Area of Existing Site

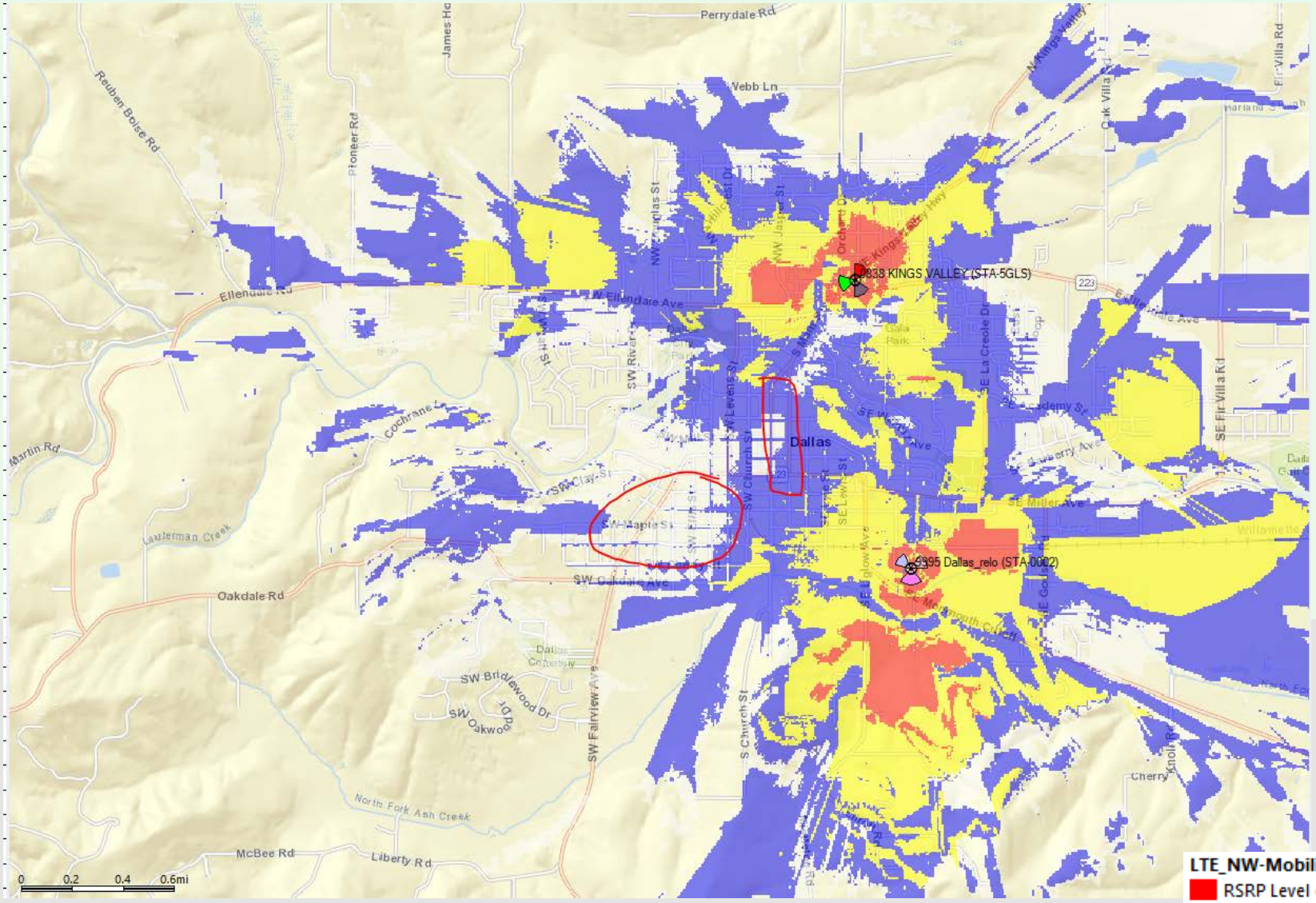


verizon

ATTACHMENT G.74

Relo – Dallas at 100’

The red polygons indicate degraded coverage in western residential area and along Main St

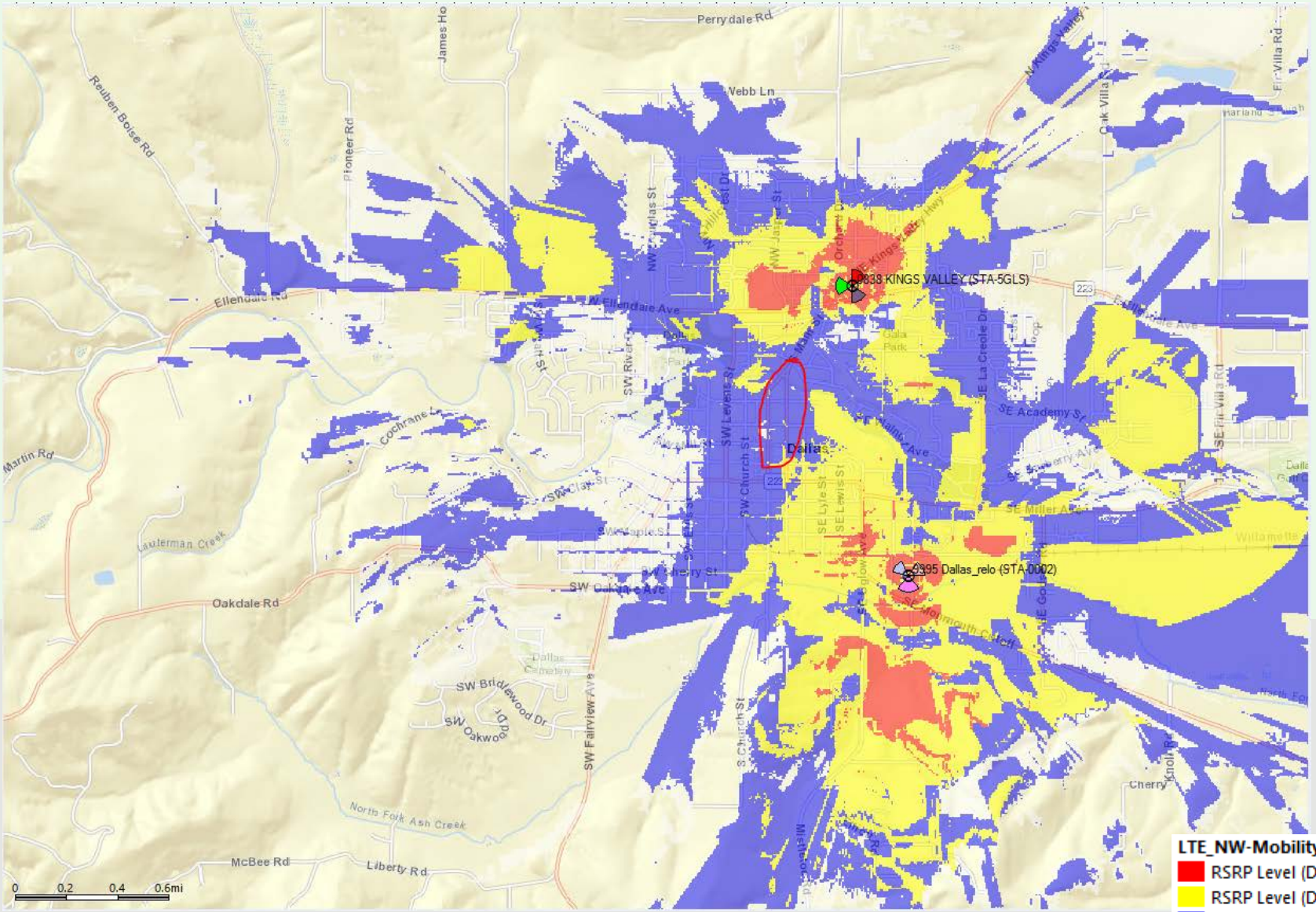


verizon

ATTACHMENT G.75

Relo – Dallas at 120’ (Keeping the original CL)

We need to retain at least 120’ CL for maintaining connectivity along Main St



verizon

ATTACHMENT G.76

Summary:

- The above plots show that show that when Dallas is relocated to the primary candidate location with CL' less than 120', the western residential area and Main St experience degraded coverage and quality of service.
- For connection continuity at Main St, we need to retain a CL of 120' as a minimum requirement.
- We have been having coverage complaints at Dallas Courthouse that might later on require a small cell or in-building solution to foster the coverage along Main St.
- We will also need a small cell solution to strengthen the coverage and quality of service in the western residential area.

ATTACHMENT G.77

verizon

CITY OF DALLAS
CITY COUNCIL
STAFF REPORT

MEETING DATE:	April 18, 2022
AGENDA ITEM NO.	3b
TOPIC:	Public Hearing for CDBG SB2005 Closeout
PREPARED BY:	Brian Latta
APPROVED BY:	City Manager
ATTACHMENTS:	A – Public Notice

RECOMMENDED ACTION:
City Council holds public hearing as part of the closeout requirements for the Community Development Block Grant (CDBG) Emergency Small Business and Micro-Enterprise Assistant Grant program.

BACKGROUND:
The City of Dallas applied for and obtained an Emergency Small Business and Micro-Enterprise Assistant Grant from the CDBG program during the covid-19 pandemic. The grants enabled the city to provide financial assistance to small businesses and micro-enterprises in Dallas and greater Polk County (outside of W. Salem). Polk CDC administered the grant on behalf of the City of Dallas. They were able to award grants that benefitted 19 persons, all of whom are low or moderate income or employ low or moderate income persons.

SUMMARY TIMELINE:
July 8, 2020 – City awarded CDBG SB2005 Award.
April 6, 2022 – Public notice for hearing published in the Itemizer-Observer
April 18, 2022 – Public hearing held on SB2005.

FISCAL IMPACT:
None – fully funded by CDBG award.

RECOMMENDED MOTION:
None.

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ATTACHMENT A

PUBLIC NOTICE AND NOTICE OF PUBLIC HEARING

Dallas is completing an Emergency Small Business and Micro-Enterprise Assistance Grant project funded with Community Development Block Grant (CDBG) funds from the Oregon Business Development Department (OBDD). The location of the project is in Dallas and all of Polk County outside of West Salem. It is estimated that the project has benefited 19 persons of whom 100% are low or moderate income or employ low or moderate income persons .

A public hearing will be held by the Dallas City Council at 7:00PM on Monday, April 18, 2022 in Dallas City Hall at 187 SE Court St. Dallas, Oregon.

The purpose of the hearing is for the Dallas City Council to obtain citizens views about the project and to take comments about the local government's performance. Written comments are also welcome and must be received by 4:00PM on April 15, 2022 at Dallas City Hall 187 SE Court St. Dallas, Oregon 97338 or you can email City Council c/o sam.kaufmann@dallasor.gov Both oral and written comments will be reviewed by the City Council on April 18, 2022 at the public hearing.

The location of the hearing is accessible to the disabled, Please contact Sam Kaufmann at 503.831.3502 if you need any special accommodations in order to attend or participate in the hearing.

More information about the Oregon Community Development Block grant program and the project is available for public review at City Hall located at 187 SE Court St. Dallas 97338 . Advance notice is requested by calling the City at 503.831.3502.

DALLAS CITY COUNCIL WORKSHOP
MINUTES

Monday, April 4, 2022
Dallas City Hall

Mayor Dalton called the Council Workshop to order on Monday, April 4, 2022, at 5:30 PM.

COUNCIL MEMBERS PRESENT: Council President Michael Schilling, Councilor Larry Briggs, Councilor Kirsten Collins, Councilor Terry Crawford, Councilor Bill Hahn, Councilor Paul Trahan, Councilor Rod Dunham and Councilor Ken Woods, Jr.

COUNCIL MEMBERS EXCUSED: Councilor Kim Fitzgerald

ALSO PRESENT WERE: City Manager Brian Latta, Assistant City Manager Emily Gagner, City Attorney Lane Shetterly, Economic and Community Development Director Charlie Mitchell, Library Director Mark Greenhalgh-Johnson, Fire Chief Todd Brumfield, Finance Director Cecilia Ward, and City Recorder Sam Kaufmann

URBAN RENEWAL FEASIBILITY STUDY PRESENTATION – PART 3

Nick Popenuk gave his second presentation on the Urban Renewal Feasibility Study.

Councilor Woods asked Brian Latta for a list of previous Urban Renewal District projects.

FIRE/EMS ANNUAL UPDATE

Todd Brumfield presented his annual report on the City of Dallas Fire/EMS department.

AMERICAN RESCUE PLAN ACT BUILDING IMPROVEMENT GRANTS

Charlie Mitchell presented his staff report on ARPA Building Improvement Grants.

Councilor Collins asked that the City give extra support to Black, Indigenous and people of color owned businesses.

RECESSED: 6:57 PM

RECONVENED: 7:47 PM

Councilor Paul Trahan left the meeting at 7:48 PM.

The Council agreed to add bonus points to the grant program with a five to ten percentile range for minority and women owned businesses who have been certified by the State of Oregon. Councilor Briggs and Council President Schilling volunteered to be on the scoring committee for the grant program.

ADJOURNED: 8:00 PM

DRAFT

Respectfully Submitted,

Sam Kaufmann

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These minutes are supplemented by electronic recordings of the meeting, which may be reviewed by visiting: https://www.dallasor.gov/community/page/dallasyoutube

DALLAS CITY COUNCIL	**Monday, April 4, 2022**
The Dallas City Council met in regular session on Monday, April 4, 2022, at 7:00 PM in Dallas Council Chambers.	
Council Members Present: Council President Michael Schilling, Councilor Larry Briggs, Councilor Kirsten Collins, Councilor Terry Crawford, Councilor Bill Hahn, Councilor Paul Trahan, Councilor Rod Dunham and Councilor Ken Woods, Jr. **Council Members Excused:** Councilor Kim Fitzgerald	
Staff: **Also present were:** City Manager Brian Latta, Assistant City Manager Emily Gagner, City Attorney Lane Shetterly, Deputy Police Chief Jerry Mott, Economic and Community Development Director Charlie Mitchell, Library Director Mark Greenhalgh-Johnson, Public Works Director Gary Marks, Fire Chief Todd Brumfield, Finance Director Cecilia Ward, and City Recorder Sam Kaufmann	

AGENDA	**ACTION**
01:46:07 **INTRODUCTIONS, RECOGNITION, PROCLAMATIONS**	Troy Skinner introduced David Wilson as the Building Department's new Building Inspector. Todd Brumfield introduced Julia Dietro and Jeremiah Gerber as the new Fire/EMS paramedics. Jerry Mott Presented Sergeant David King and Officer Courtney Backer with lifesaving awards.
01:50:30 **PUBLIC COMMENT**	David Morris commented in support of the Dallas School District Maintenance Bond. Ann Hurd commented on behalf of the Friends of the Dallas Aquatic Center. Ms. Hurd mentioned $15,000 was used from the Friends of the Dallas Aquatic Center Trust Fund to pay for Painting the Aquatic Center Lobby. Sam Dufner commented on behalf of West Valley Taphouse in support of the ARPA Building Improvement Grant program. Mr. Dufner also commented on behalf of the Dallas Area Chamber of Commerce and mentioned the Chamber will be managing the 2022 Krazy Dayz parade.
02:00:00 **CONSENT AGENDA**	

DRAFT

a) ACKNOWLEDGE FEBRUARY 15, 2022 LIBRARY BOARD MINUTES **b) APPROVE MARCH 21, 2022 CITY COUNCIL WORKSHOP MINUTES** **c) APPROVE MARCH 21, 2022 CITY COUNCIL MEETING MINUTES** **d) ACKNOWLEDGE MARCH 1 PARKS AND RECREATION DISTRICT FORMATION COMMITTEE MEETING MINUTES** **e) PARKS AND RECREATION DISTRICT FORMATION COMMITTEE APPOINTMENT**	It was moved by Councilor Woods to approve the Consent Agenda as presented. The motion was duly seconded by Councilor Hahn and CARRIED with a vote of 8-0 with Councilors Schilling, Briggs, Collins, Crawford, Dunham, Hahn, Trahan and Woods voting YES.

02:00:53 REPORTS OR COMMENTS FROM THE MAYOR AND COUNCIL MEMBERS

Council President Schilling reported the Dallas Area Chamber of Commerce will be presenting an agenda item in the near future.

02:05:43 REPORTS FROM CITY MANAGER AND STAFF

a) SCHOOL BOARD PRESENTATION	Dallas School District Superintendent Andy Bellando gave his presentation on the proposed Dallas School District Maintenance Bond.
b) AMENDING DALLAS CITY CODE SECTION 6.530	Charlie Mitchell presented his staff report on the proposed text amendment to Dallas City Code Section 6.530 It was moved by Councilor Woods to amend Dallas City Code Sections 6.530, as presented, subject to the adoption of an ordinance The motion was duly seconded by Council President Schilling and CARRIED with a vote of 8-0 with Councilors Schilling, Briggs, Collins, Crawford, Dunham, Hahn, Trahan and Woods voting YES.

Brian Latta reported the City will be bringing back the Dallas Citizen's Academy in the near future and mentioned the program will be expanded in order to build civic leadership within the community.

Mr. Latta also mentioned the Parks and Recreation District Formation Committee recently decided on a district boundary comprised of the Perrydale School District and Dallas School District.

02:31:20 FIRST READING OF ORDINANCES

a) ORDINANCE 1872 – AN ORDINANCE RELATING TO ABANDONED VEHICLES	Mayor Dalton declared Ordinance 1872 to have passed its first reading.
02:32:00 OTHER	
None.	

ADJOURNMENT	There being no further business, the meeting adjourned at 7:46 PM

Read and approved this _____ day of _____ 2022.

_____
Mayor

ATTEST:

_____
City Manager

CITY OF DALLAS
CITY COUNCIL
STAFF REPORT

MEETING DATE:	April 18, 2022
AGENDA ITEM NO.	5c
TOPIC:	March 2022 Financial Report
PREPARED BY:	Cecilia Ward
APPROVED BY:	City Manager
ATTACHMENTS:	March 2022 Financial Report

RECOMMENDED ACTION:
Information Only

BACKGROUND:
March 2022 financial highlights:

- Percent collected/spent should be at 75.00%. This can vary up or down depending on seasonal or one-time revenues and expenditures.
- The following budgeted capital improvement payments were made in March:
  Sewer Fund – I & I $31,800
  Street SDC – Levens & Ellendale Final Design – engineering services $63,320
  Street SDC – Barberry Node Transportation Study $4,400
  Street SDC – Godsey Rd Bridge Redesign – engineering services $3,457
  Water SDC – 2nd water storage site – engineering services $8,591
  Sewer SDC – Godsey Road Improvements Final – engineering services $21,010
  Sewer SDC – Collections System Modeling – engineering services $11,836

SUMMARY TIMELINE:
NA

FISCAL IMPACT:
NA

DALLAS 2030 VISION IMPACT:
Element 1.f.: Dallas citizens of all ages are proud of their city and involved in its civic affairs, engaged in important community issues & invested in their city's future.
Strategy – Continue to improve transparency in providing financial information.

RECOMMENDED MOTION:
NA - Approval of consent agenda acknowledges this report.

ATTACHMENTS:
March 2022 Financial Report

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Financial Statement Versus Budget

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
10 - GENERAL FUND						
Revenue						
10-400-00-5900	BEGINNING BALANCE	0.00	3,715,063.54	4,900,000.00	1,184,936.46	76 %
10-410-01-4210	LICENSES	350.00	1,295.00	2,000.00	705.00	65 %
10-410-01-4481	PLANNING	26,994.72	76,319.99	80,000.00	3,680.01	95 %
10-420-01-4440	AMBULANCE FEES	158,571.07	1,387,897.45	1,650,000.00	262,102.55	84 %
10-420-01-4441	FIRE MED MEMBERSHIP	420.00	64,119.00	65,000.00	881.00	99 %
10-420-01-4444	GEMT CCO PROGRAM	0.00	308,670.00	160,000.00	-148,670.00	193 %
10-420-01-4445	ANIMAL CONTROL	0.00	10,550.00	22,000.00	11,450.00	48 %
10-420-01-4510	FINES AND FORFEITURES	10,880.95	71,922.65	140,000.00	68,077.35	51 %
10-420-01-4511	PARKING FINES	60.00	2,340.00	8,000.00	5,660.00	29 %
10-420-01-4515	COURT COSTS	3,883.84	25,819.60	45,000.00	19,180.40	57 %
10-420-01-4518	SUSPENDED LICENSES	225.00	1,146.14	3,500.00	2,353.86	33 %
10-440-01-4480	AQUATIC CENTER	62,925.79	364,359.22	400,000.00	35,640.78	91 %
10-440-01-4486	COMMUNITY EVENT FEES/SP(	635.00	12,331.05	5,000.00	-7,331.05	247 %
10-440-01-4530	LIBRARY FINES	419.30	3,908.68	2,000.00	-1,908.68	195 %
10-440-01-4535	LIBRARY CCRLS-CHEMEKETA	0.00	54,849.00	109,700.00	54,851.00	50 %
10-450-00-4100	CURRENT PROPERTY TAXES	76,959.23	4,966,595.76	5,045,000.00	78,404.24	98 %
10-450-00-4110	DELINQUENT PROPERTY TAX	4,161.95	73,587.26	100,000.00	26,412.74	74 %
10-455-00-4150	CIGARETTE TAX APPORTIONM	938.58	9,579.96	13,000.00	3,420.04	74 %
10-455-00-4151	STATE REVENUE SHARING	0.00	103,496.16	195,000.00	91,503.84	53 %
10-455-00-4152	OLCC TAX APPORTIONMENT	14,204.53	193,699.97	320,000.00	126,300.03	61 %
10-455-00-4180	TRANSIENT LODGING TAX	0.00	71,500.85	90,000.00	18,499.15	79 %
10-460-00-4140	POWER FRANCHISE	67,309.29	500,225.90	715,000.00	214,774.10	70 %
10-460-00-4142	GAS FRANCHISE	203,121.46	203,121.46	195,000.00	-8,121.46	104 %
10-460-00-4144	GARBAGE FRANCHISE	0.00	111,177.86	200,000.00	88,822.14	56 %
10-460-00-4145	DATA FRANCHISE	0.00	36,041.97	30,000.00	-6,041.97	120 %
10-460-00-4146	TELEPHONE FRANCHISE	0.00	27,974.35	30,000.00	2,025.65	93 %
10-460-00-4147	CABLEVISION FRANCHISE	0.00	51,372.61	100,000.00	48,627.39	51 %
10-460-00-4148	UTILITY LICENSE FEE	0.00	33,973.59	125,000.00	91,026.41	27 %
10-460-00-4149	PEG FEES	0.00	483.00	500.00	17.00	97 %
10-470-00-4361	SENIOR CENTER PROGRAMS	2,100.00	7,650.00	15,000.00	7,350.00	51 %
10-470-00-4922	REIMBURSEMENTS & FUND TI	119,766.67	1,077,900.03	1,437,200.00	359,299.97	75 %
10-480-00-4610	INTEREST ON INVESTMENTS	3,271.29	20,955.01	50,000.00	29,044.99	42 %
10-480-00-4829	AMERICAN RESCUE PLAN	0.00	1,885,644.62	1,700,000.00	-185,644.62	111 %
10-480-00-4830	MISCELLANEOUS REVENUE	2,979.75	221,520.69	290,000.00	68,479.31	76 %
10-499-00-4947	TRANSFER FROM GRANT FUN	0.00	31,198.75	30,000.00	-1,198.75	104 %
10-499-00-4948	TRANSFER FROM UR-DEBT SI	0.00	99,260.48	149,165.00	49,904.52	67 %
Revenue Totals		760,178.42	15,827,551.60	18,422,065.00	2,594,513.40	86 %
Expense						
Administration						
10-020-50-6051	SALARIES	26,495.76	230,226.34	300,000.00	69,773.66	77 %
10-020-50-6061	FRINGE BENEFITS	14,629.46	137,962.58	188,000.00	50,037.42	73 %
10-020-50-6208	PUBLIC NOTICES	0.00	85.13	1,000.00	914.87	9 %
10-020-50-6210	MATERIALS AND SUPPLIES	73.60	1,288.84	3,000.00	1,711.16	43 %
10-020-50-6309	REPAIRS AND MAINTENANCE	0.00	12,089.21	17,000.00	4,910.79	71 %
10-020-50-6350	OFFICE EXPENSES	34.00	1,650.88	2,000.00	349.12	83 %
10-020-50-6391	MAYOR EXPENSES	0.00	3,469.26	5,000.00	1,530.74	69 %
10-020-50-6392	COUNCIL EXPENSES	186.90	7,950.01	8,000.00	49.99	99 %
10-020-50-6401	TELECOMMUNICATIONS	0.00	0.00	500.00	500.00	0 %
10-020-50-6430	MAINTENANCE & RENTAL COI	517.52	5,269.54	9,000.00	3,730.46	59 %
10-020-50-6452	COMPUTER SERVICES	1,021.90	7,461.09	11,000.00	3,538.91	68 %
10-020-50-6465	PROFESSIONAL SERVICES	74.04	2,308.00	40,000.00	37,692.00	6 %
10-020-50-6468	CITY ATTORNEY	4,900.00	44,100.00	59,000.00	14,900.00	75 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
10-020-50-6475	EMPLOYEE DEVELOPMENT	0.00	5,752.30	3,000.00	-2,752.30	192 %
10-020-50-6476	EMERGENCY MANAGEMENT	0.00	262.00	10,000.00	9,738.00	3 %
10-020-50-6477	RISK MANAGEMENT	0.00	0.00	500.00	500.00	0 %
10-020-50-6481	TRAVEL AND EDUCATION	1,075.60	3,877.64	10,000.00	6,122.36	39 %
10-020-50-6600	MISCELLANEOUS	360.63	7,271.30	12,000.00	4,728.70	61 %
10-020-50-6602	150TH CELEBRATION	0.00	0.00	5,000.00	5,000.00	0 %
	Administration Totals	49,369.41	471,024.12	684,000.00	212,975.88	69 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Finance						
10-030-50-6051	SALARIES	22,812.16	227,020.65	320,000.00	92,979.35	71 %
10-030-50-6061	FRINGE BENEFITS	10,882.51	128,389.69	205,000.00	76,610.31	63 %
10-030-50-6202	POSTAGE	1,619.50	6,380.08	11,000.00	4,619.92	58 %
10-030-50-6209	PUBLIC NOTICES/ADVERTISIN	0.00	106.88	300.00	193.12	36 %
10-030-50-6210	MATERIALS AND SUPPLIES	3,965.95	9,219.43	10,000.00	780.57	92 %
10-030-50-6350	OFFICE EXPENSES	0.00	1,581.85	4,000.00	2,418.15	40 %
10-030-50-6401	TELECOMMUNICATIONS	494.96	4,509.14	7,000.00	2,490.86	64 %
10-030-50-6430	MAINTENANCE & RENTAL COI	43.70	1,922.84	3,700.00	1,777.16	52 %
10-030-50-6452	COMPUTER SERVICES	1,380.41	30,343.55	40,000.00	9,656.45	76 %
10-030-50-6464	BILLING SERVICES	2,930.76	26,280.47	35,000.00	8,719.53	75 %
10-030-50-6465	PROFESSIONAL SERVICES	15,934.59	82,241.77	98,000.00	15,758.23	84 %
10-030-50-6471	AUDIT	0.00	35,996.00	42,000.00	6,004.00	86 %
10-030-50-6478	MUNICIPAL MEMBERSHIPS	0.00	28,564.05	30,000.00	1,435.95	95 %
10-030-50-6481	TRAVEL AND EDUCATION	570.00	1,591.89	7,000.00	5,408.11	23 %
	Finance Totals	60,634.54	584,148.29	813,000.00	228,851.71	72 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Facilities						
10-040-50-6051	SALARIES	6,724.01	61,663.14	82,000.00	20,336.86	75 %
10-040-50-6061	FRINGE BENEFITS	4,168.45	40,781.56	57,000.00	16,218.44	72 %
10-040-50-6210	MATERIALS AND SUPPLIES	554.27	7,723.48	7,000.00	-723.48	110 %
10-040-50-6309	REPAIRS AND MAINTENANCE	4,276.00	26,812.77	33,000.00	6,187.23	81 %
10-040-50-6355	SAFETY/OSHA	179.97	871.16	1,000.00	128.84	87 %
10-040-50-6401	TELECOMMUNICATIONS	41.83	377.14	2,000.00	1,622.86	19 %
10-040-50-6406	HVAC, ENERGY AND LIGHTIN(	2,122.85	18,184.07	30,000.00	11,815.93	61 %
10-040-50-6407	SENIOR CENTER UTILITIES/M/	439.52	17,073.51	28,000.00	10,926.49	61 %
10-040-50-6430	MAINTENANCE & RENTAL COI	158.20	1,678.02	5,000.00	3,321.98	34 %
10-040-50-6433	FLEET SERVICE TOTAL CARE	83.33	749.97	1,000.00	250.03	75 %
10-040-50-6452	COMPUTER SERVICES	34.38	1,156.37	2,000.00	843.63	58 %
10-040-50-6465	PROFESSIONAL SERVICES	2.30	6,185.69	7,000.00	814.31	88 %
10-040-50-6481	TRAVEL AND EDUCATION	145.00	590.29	1,000.00	409.71	59 %
10-040-50-6504	BUILDING IMPROVEMENTS	0.00	17,678.31	50,000.00	32,321.69	35 %
10-040-50-6600	MISCELLANEOUS	284.96	4,209.80	5,000.00	790.20	84 %
	Facilities Totals	19,215.07	205,735.28	311,000.00	105,264.72	66 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Municipal Court						
10-050-51-6051	SALARIES	5,533.81	47,108.25	78,000.00	30,891.75	60 %
10-050-51-6061	FRINGE BENEFITS	3,104.87	28,372.71	45,000.00	16,627.29	63 %
10-050-51-6201	OFFICE SUPPLIES	114.11	544.62	3,000.00	2,455.38	18 %
10-050-51-6210	MATERIALS AND SUPPLIES	821.92	1,322.96	4,900.00	3,577.04	27 %
10-050-51-6402	TELECOMMUNICATIONS	0.00	64.45	100.00	35.55	64 %
10-050-51-6452	COMPUTER SERVICES	34.38	3,992.23	10,000.00	6,007.77	40 %
10-050-51-6465	PROFESSIONAL SERVICES	4,673.84	42,770.46	78,000.00	35,229.54	55 %
10-050-51-6469	PROSECUTION	3,500.00	31,500.00	42,000.00	10,500.00	75 %
10-050-51-6481	TRAVEL AND EDUCATION	0.00	0.00	2,000.00	2,000.00	0 %
	Municipal Court Totals	17,782.93	155,675.68	263,000.00	107,324.32	59 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Ambulance Department						
10-060-51-6051	SALARIES	62,648.22	639,879.96	870,000.00	230,120.04	74 %
10-060-51-6053	OVERTIME	3,407.53	39,427.91	60,000.00	20,572.09	66 %
10-060-51-6061	FRINGE BENEFITS	27,903.05	337,941.05	515,000.00	177,058.95	66 %
10-060-51-6201	OFFICE SUPPLIES	318.66	1,030.17	1,800.00	769.83	57 %
10-060-51-6207	FIRE MED ADVERTISING	0.00	6,513.04	7,500.00	986.96	87 %
10-060-51-6209	FORMS/PRINTING	0.00	686.43	750.00	63.57	92 %
10-060-51-6213	SUPPLIES AND LAUNDRY	5,475.99	52,767.90	88,000.00	35,232.10	60 %
10-060-51-6240	FUEL	4,439.58	35,530.57	45,000.00	9,469.43	79 %
10-060-51-6270	UNIFORM ALLOWANCE	733.55	6,192.19	6,500.00	307.81	95 %
10-060-51-6309	REPAIRS AND MAINTENANCE	54.96	10,812.40	16,000.00	5,187.60	68 %
10-060-51-6315	REPLACEMENT - EQUIPMENT	1,232.75	2,418.82	10,000.00	7,581.18	24 %
10-060-51-6318	REPLACEMENT - RADIOS/PAG	0.00	437.50	3,000.00	2,562.50	15 %
10-060-51-6401	TELECOMMUNICATIONS	357.96	3,433.61	5,700.00	2,266.39	60 %
10-060-51-6406	HVAC, ENERGY AND LIGHTIN(	290.73	3,909.71	6,500.00	2,590.29	60 %
10-060-51-6430	MAINTENANCE & RENTAL COI	65.81	4,689.66	6,000.00	1,310.34	78 %
10-060-51-6433	FLEET SERVICE TOTAL CARE	2,333.33	20,999.97	28,000.00	7,000.03	75 %
10-060-51-6452	COMPUTER SERVICES	84.38	12,127.23	19,500.00	7,372.77	62 %
10-060-51-6461	DISPATCH SERVICES	0.00	56,239.56	75,500.00	19,260.44	74 %
10-060-51-6465	PROFESSIONAL SERVICES	2,065.28	149,607.73	185,500.00	35,892.27	81 %
10-060-51-6481	TRAVEL AND EDUCATION	311.25	1,203.89	10,000.00	8,796.11	12 %
10-060-51-6500	EQUIPMENT	0.00	0.00	34,200.00	34,200.00	0 %
10-060-51-6801	DEBT SERVICE - PRINCIPAL	0.00	0.00	29,500.00	29,500.00	0 %
10-060-51-6802	DEBT SERVICE - INTEREST	0.00	0.00	5,500.00	5,500.00	0 %
	Ambulance Department Totals	111,723.03	1,385,849.30	2,029,450.00	643,600.70	68 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Fire Department						
10-070-51-6051	SALARIES	40,817.69	396,620.46	543,000.00	146,379.54	73 %
10-070-51-6053	OVERTIME	5,532.94	62,917.91	60,000.00	-2,917.91	105 %
10-070-51-6061	FRINGE BENEFITS	25,236.39	285,043.74	387,000.00	101,956.26	74 %
10-070-51-6201	OFFICE SUPPLIES	302.40	1,868.23	3,000.00	1,131.77	62 %
10-070-51-6211	MATERIAL & SUPPLIES/LAUNI	985.57	4,914.91	9,500.00	4,585.09	52 %
10-070-51-6240	FUEL	1,376.96	10,048.72	12,500.00	2,451.28	80 %
10-070-51-6270	UNIFORM ALLOWANCE	227.62	2,425.91	5,000.00	2,574.09	49 %
10-070-51-6309	REPAIRS AND MAINTENANCE	285.89	6,275.37	14,000.00	7,724.63	45 %
10-070-51-6315	REPLACEMENT - EQUIPMENT	3,149.72	3,590.31	12,000.00	8,409.69	30 %
10-070-51-6318	REPLACEMENT - RADIOS/PAG	2,886.53	3,590.22	9,000.00	5,409.78	40 %
10-070-51-6319	REPLACEMENT - TURNOUTS	0.00	1,766.57	35,000.00	33,233.43	5 %
10-070-51-6401	TELECOMMUNICATIONS	390.03	4,199.48	6,500.00	2,300.52	65 %
10-070-51-6406	HVAC, ENERGY AND LIGHTIN(	900.53	11,361.80	13,000.00	1,638.20	87 %
10-070-51-6430	MAINTENANCE & RENTAL COI	84.52	15,896.61	17,000.00	1,103.39	94 %
10-070-51-6433	FLEET SERVICE TOTAL CARE	3,333.33	29,999.97	40,000.00	10,000.03	75 %
10-070-51-6452	COMPUTER SERVICES	99.36	8,548.72	17,000.00	8,451.28	50 %
10-070-51-6461	DISPATCH SERVICES	0.00	56,239.47	75,500.00	19,260.53	74 %
10-070-51-6465	PROFESSIONAL SERVICES	437.85	8,908.81	18,500.00	9,591.19	48 %
10-070-51-6474	FIRE PREVENTION PROGRAM	209.09	452.13	3,000.00	2,547.87	15 %
10-070-51-6481	TRAVEL AND EDUCATION	4,105.55	10,824.39	25,000.00	14,175.61	43 %
10-070-51-6500	EQUIPMENT	0.00	0.00	90,780.00	90,780.00	0 %
10-070-51-6801	DEBT SERVICE - PRINCIPAL	0.00	40,094.95	40,095.00	0.05	100 %
10-070-51-6802	DEBT SERVICE - INTEREST	0.00	4,718.05	4,718.00	-0.05	100 %
10-070-51-6914	TRANSFER TO FIRE VOLUNTE	6,708.33	60,374.97	80,500.00	20,125.03	75 %
	Fire Department Totals	97,070.30	1,030,681.70	1,521,593.00	490,911.30	68 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Police Department						
10-080-51-6051	SALARIES	165,068.91	1,461,242.62	1,980,000.00	518,757.38	74 %
10-080-51-6053	OVERTIME	8,631.79	72,722.85	123,000.00	50,277.15	59 %
10-080-51-6061	FRINGE BENEFITS	95,826.66	921,468.09	1,329,000.00	407,531.91	69 %
10-080-51-6201	OFFICE SUPPLIES	190.26	3,093.30	5,000.00	1,906.70	62 %
10-080-51-6210	MATERIALS AND SUPPLIES	280.82	5,006.94	5,000.00	-6.94	100 %
10-080-51-6214	ANIMAL CONTROL/SHELTER	0.00	5,355.69	11,500.00	6,144.31	47 %
10-080-51-6231	WEAPONS SKILLS	987.30	7,238.39	8,000.00	761.61	90 %
10-080-51-6232	INVESTIGATIONS	48.66	2,946.68	15,500.00	12,553.32	19 %
10-080-51-6235	FIRING RANGE IMPROVEMEN	433.45	900.03	3,500.00	2,599.97	26 %
10-080-51-6236	EVIDENCE CONTROL	1,569.81	2,411.72	1,750.00	-661.72	138 %
10-080-51-6240	FUEL	2,096.20	29,668.80	35,000.00	5,331.20	85 %
10-080-51-6272	UNIFORMS & CLEANING	0.00	6,461.57	25,500.00	19,038.43	25 %
10-080-51-6315	OTHER EQUIPMENT	0.00	3,785.98	8,500.00	4,714.02	45 %
10-080-51-6355	SAFETY/OSHA	232.01	5,909.54	4,250.00	-1,659.54	139 %
10-080-51-6401	TELECOMMUNICATIONS	1,944.02	17,723.86	21,800.00	4,076.14	81 %
10-080-51-6430	MAINTENANCE & RENTAL COI	264.48	20,608.32	32,200.00	11,591.68	64 %
10-080-51-6433	FLEET SERVICE TOTAL CARE	3,333.33	29,999.97	40,000.00	10,000.03	75 %
10-080-51-6452	COMPUTER SERVICES	34.38	14,071.35	32,000.00	17,928.65	44 %
10-080-51-6461	DISPATCH SERVICES	0.00	152,481.13	207,100.00	54,618.87	74 %
10-080-51-6465	PROFESSIONAL SERVICES	111.90	24,164.35	21,600.00	-2,564.35	112 %
10-080-51-6472	COMMUNITY RELATIONS	160.00	790.96	1,000.00	209.04	79 %
10-080-51-6475	EMPLOYEE DEVELOPMENT	250.94	2,358.50	2,000.00	-358.50	118 %
10-080-51-6479	PROFESSIONAL MEMBERSHIF	0.00	590.00	1,000.00	410.00	59 %
10-080-51-6481	TRAVEL AND TRAINING	251.94	9,543.42	14,000.00	4,456.58	68 %
10-080-51-6740	RAIN/MARK43	0.00	18,486.51	23,800.00	5,313.49	78 %
10-080-51-6745	RESERVE OFFICERS	0.00	0.00	9,000.00	9,000.00	0 %
	Police Department Totals	281,716.86	2,819,030.57	3,961,000.00	1,141,969.43	71 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Library						
10-090-53-6051	SALARIES	25,167.16	235,832.26	317,000.00	81,167.74	74 %
10-090-53-6061	FRINGE BENEFITS	12,813.35	125,907.96	167,000.00	41,092.04	75 %
10-090-53-6201	OFFICE SUPPLIES	302.57	2,569.72	3,500.00	930.28	73 %
10-090-53-6202	POSTAGE	0.00	53.56	150.00	96.44	36 %
10-090-53-6210	MATERIALS AND SUPPLIES	54.59	2,291.26	3,500.00	1,208.74	65 %
10-090-53-6260	PERIODICALS	0.00	2,531.29	2,750.00	218.71	92 %
10-090-53-6300	MAINTENANCE & RENTAL COI	0.00	1,494.72	2,750.00	1,255.28	54 %
10-090-53-6309	REPAIRS AND MAINTENANCE	0.00	5,094.05	6,500.00	1,405.95	78 %
10-090-53-6358	E-RESOURCES/AUDIO VISUAL	440.56	1,859.04	3,000.00	1,140.96	62 %
10-090-53-6359	BOOKS	3,729.52	35,339.87	47,000.00	11,660.13	75 %
10-090-53-6396	SPECIAL PROGRAMS	0.00	675.00	1,200.00	525.00	56 %
10-090-53-6401	TELECOMMUNICATIONS	187.78	2,164.08	2,500.00	335.92	87 %
10-090-53-6406	HVAC, ENERGY AND LIGHTIN(	705.40	9,311.51	14,000.00	4,688.49	67 %
10-090-53-6452	COMPUTER SERVICES	0.00	2,552.77	2,250.00	-302.77	113 %
10-090-53-6466	PROFESSIONAL SERVICES-C(	13.80	1,389.59	3,000.00	1,610.41	46 %
10-090-53-6481	TRAVEL AND EDUCATION	0.00	49.00	1,150.00	1,101.00	4 %
10-090-53-6500	EQUIPMENT	0.00	0.00	9,000.00	9,000.00	0 %
10-090-53-6600	MISCELLANEOUS	0.00	1,621.55	1,750.00	128.45	93 %
	Library Totals	43,414.73	430,737.23	588,000.00	157,262.77	73 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Parks						
10-103-53-6051	SALARIES	21,210.31	150,782.30	205,000.00	54,217.70	74 %
10-103-53-6053	OVERTIME	0.00	826.72	0.00	-826.72	0 %
10-103-53-6061	FRINGE BENEFITS	11,643.74	95,771.72	134,000.00	38,228.28	71 %
10-103-53-6210	MATERIALS AND SUPPLIES	972.72	10,154.33	14,400.00	4,245.67	71 %
10-103-53-6240	FUEL	0.00	4,054.43	5,700.00	1,645.57	71 %
10-103-53-6309	REPAIRS AND MAINTENANCE	0.00	11,623.49	7,000.00	-4,623.49	166 %
10-103-53-6323	MISCELLANEOUS TOOLS	0.00	740.14	3,000.00	2,259.86	25 %
10-103-53-6401	TELECOMMUNICATIONS	-1,003.25	1,203.84	1,500.00	296.16	80 %
10-103-53-6406	HVAC, ENERGY AND LIGHTIN(	0.00	3,363.33	7,500.00	4,136.67	45 %
10-103-53-6430	MAINTENANCE & RENTAL COI	630.00	6,300.00	7,200.00	900.00	88 %
10-103-53-6433	FLEET SERVICE TOTAL CARE	833.33	7,499.97	10,000.00	2,500.03	75 %
10-103-53-6452	COMPUTER SERVICES	34.38	2,353.61	1,400.00	-953.61	168 %
10-103-53-6460	COMMUNITY EVENTS AND PR	312.50	103,021.62	116,500.00	13,478.38	88 %
10-103-53-6465	PROFESSIONAL SERVICES	10.90	8,026.53	9,500.00	1,473.47	84 %
10-103-53-6475	EMPLOYEE DEVELOPMENT	0.00	168.80	800.00	631.20	21 %
10-103-53-6481	TRAVEL AND EDUCATION	0.00	0.00	2,000.00	2,000.00	0 %
10-103-53-6504	BUILDING/PARK IMPROVEMEI	0.00	0.00	38,000.00	38,000.00	0 %
10-103-53-6953	EQUIPMENT RESERVE	0.00	0.00	20,000.00	20,000.00	0 %
	Parks Totals	34,644.63	405,890.83	583,500.00	177,609.17	70 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Aquatic Center						
10-105-53-6051	SALARIES	39,718.71	328,353.24	477,000.00	148,646.76	69 %
10-105-53-6053	OVERTIME	90.02	1,663.29	0.00	-1,663.29	0 %
10-105-53-6061	FRINGE BENEFITS	12,664.02	112,829.92	125,000.00	12,170.08	90 %
10-105-53-6204	PRINTING & POSTAGE	0.00	0.00	100.00	100.00	0 %
10-105-53-6207	ADVERTISING	0.00	1,378.00	2,500.00	1,122.00	55 %
10-105-53-6210	MATERIALS AND SUPPLIES	611.46	2,191.09	3,000.00	808.91	73 %
10-105-53-6212	SUPPLIES - JANITORIAL	0.00	6,110.70	6,000.00	-110.70	102 %
10-105-53-6223	PRO SHOP & CONCESSIONS	713.14	18,938.73	33,000.00	14,061.27	57 %
10-105-53-6224	PROGRAM SUPPLIES	202.41	733.54	2,200.00	1,466.46	33 %
10-105-53-6234	UNIFORMS	252.27	1,045.82	500.00	-545.82	209 %
10-105-53-6251	CHEMICALS	1,266.07	19,556.47	38,000.00	18,443.53	51 %
10-105-53-6309	REPAIRS AND MAINTENANCE	2,145.00	23,331.46	28,000.00	4,668.54	83 %
10-105-53-6350	OFFICE EXPENSES	61.42	893.40	2,000.00	1,106.60	45 %
10-105-53-6400	ELECTRICAL SERVICE	0.00	49,903.52	85,000.00	35,096.48	59 %
10-105-53-6401	TELECOMMUNICATIONS	1,726.33	5,105.79	3,000.00	-2,105.79	170 %
10-105-53-6412	GAS SERVICE	4,417.72	31,675.20	55,000.00	23,324.80	58 %
10-105-53-6452	COMPUTER SERVICES	34.38	6,688.69	8,000.00	1,311.31	84 %
10-105-53-6465	PROFESSIONAL SERVICES	259.90	9,864.04	12,000.00	2,135.96	82 %
10-105-53-6481	TRAVEL AND EDUCATION	0.00	1,331.27	700.00	-631.27	190 %
10-105-53-6482	PROFESSIONAL SERVICES-A(	2,683.93	16,503.58	20,000.00	3,496.42	83 %
10-105-53-6504	BUILDING IMPROVEMENTS	1,070.19	1,070.19	26,000.00	24,929.81	4 %
10-105-53-6600	MISCELLANEOUS	-2,017.55	1,799.72	3,000.00	1,200.28	60 %
	Aquatic Center Totals	65,899.42	640,967.66	930,000.00	289,032.34	69 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Economic and Community Development						
10-108-50-6051	SALARIES	19,432.51	158,981.59	252,500.00	93,518.41	63 %
10-108-50-6061	FRINGE BENEFITS	15,041.54	103,446.63	158,000.00	54,553.37	65 %
10-108-50-6200	MATERIALS AND SUPPLIES	155.96	873.60	1,000.00	126.40	87 %
10-108-50-6205	PRINTING	108.15	361.22	700.00	338.78	52 %
10-108-50-6209	PUBLIC NOTICES/ADVERTISIN	0.00	626.52	1,500.00	873.48	42 %
10-108-50-6240	FUEL	0.00	581.00	1,300.00	719.00	45 %
10-108-50-6350	OFFICE EXPENSES	0.00	345.56	1,000.00	654.44	35 %
10-108-50-6394	PLANNING COMMISSION EXPI	0.00	0.00	500.00	500.00	0 %
10-108-50-6397	ECONOMIC DEVELOPMENT	14,150.00	34,443.06	52,500.00	18,056.94	66 %
10-108-50-6401	TELECOMMUNICATIONS	148.03	710.11	2,500.00	1,789.89	28 %
10-108-50-6433	FLEET SERVICE TOTAL CARE	166.67	1,500.03	2,000.00	499.97	75 %
10-108-50-6452	COMPUTER SERVICES	642.39	6,468.88	6,500.00	31.12	100 %
10-108-50-6457	WEED ABATEMENT	18.51	504.55	5,000.00	4,495.45	10 %
10-108-50-6458	RV ABATEMENT	0.00	6,500.00	15,000.00	8,500.00	43 %
10-108-50-6465	PROFESSIONAL SERVICES	332.62	9,549.63	50,000.00	40,450.37	19 %
10-108-50-6481	TRAVEL AND EDUCATION	259.99	2,819.42	8,000.00	5,180.58	35 %
10-108-50-6600	MISCELLANEOUS	352.99	1,374.70	1,000.00	-374.70	137 %
	Economic and Community Development Totals	50,809.36	329,086.50	559,000.00	229,913.50	59 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Non-Departmental & Contingency						
10-111-50-6502	ARPA PROJECTS	0.00	0.00	150,000.00	150,000.00	0 %
10-111-50-6503	IT EQUIPMENT	0.00	4,031.01	60,000.00	55,968.99	7 %
10-111-50-6801	DEBT SERVICE-UR PRINCIPAL	0.00	80,361.00	117,361.00	37,000.00	68 %
10-111-50-6815	DEBT SERVICE UR-INTEREST	0.00	18,899.48	31,804.00	12,904.52	59 %
10-111-50-6823	2016 JEFFERSON ST BLDG-PF	2,195.00	19,677.00	26,289.00	6,612.00	75 %
10-111-50-6824	2016 JEFFERSON ST BLDG-IN	153.00	1,455.00	1,887.00	432.00	77 %
10-111-50-6932	TRANSFER TO RISK MANAGEI	0.00	235,000.00	235,000.00	0.00	100 %
10-111-50-6970	OPERATING CONTINGENCIES	0.00	0.00	3,156,000.00	3,156,000.00	0 %
10-111-50-6990	UNAPPROPRIATED FUND BAL	0.00	0.00	2,400,181.00	2,400,181.00	0 %
	Non-Departmental & Contingency Totals	2,348.00	359,423.49	6,178,522.00	5,819,098.51	6 %
Expense Totals		834,628.28	8,818,250.65	18,422,065.00	9,603,814.35	48 %
Revenues Over Expenses		**-74,449.86**	**7,009,300.95**	**0.00**	**-7,009,300.95**	**0 %**
14 - RISK MANAGEMENT FUND						
Revenue						
14-400-00-5900	BEGINNING BALANCE	0.00	296,285.66	150,000.00	-146,285.66	198 %
14-480-00-4830	MISCELLANEOUS REVENUE	0.00	20,145.76	5,000.00	-15,145.76	403 %
14-499-00-4930	TRANSFER FROM GENERAL F	0.00	235,000.00	235,000.00	0.00	100 %
14-499-00-4932	TRANSFER FROM BUILDING IN	0.00	4,600.00	4,600.00	0.00	100 %
14-499-00-4944	TRANSFER FROM PUBLIC WO	0.00	132,800.00	132,800.00	0.00	100 %
Revenue Totals		0.00	688,831.42	527,400.00	-161,431.42	131 %
Expense						
Risk Management						
14-140-50-6210	MATERIALS AND SUPPLIES	0.00	1,000.00	5,000.00	4,000.00	20 %
14-140-50-6441	PROPERTY/AUTO INSURANCE	0.00	137,328.57	140,800.00	3,471.43	98 %
14-140-50-6442	LIABILITY INSURANCE	0.00	174,897.52	180,300.00	5,402.48	97 %
14-140-50-6443	WORKERS' COMPENSATION II	0.00	152,086.32	201,300.00	49,213.68	76 %
	Risk Management Totals	0.00	465,312.41	527,400.00	62,087.59	88 %
Expense Totals		0.00	465,312.41	527,400.00	62,087.59	88 %
Revenues Over Expenses		**0.00**	**223,519.01**	**0.00**	**-223,519.01**	**0 %**
15 - BUILDING INSPECTIONS FUND						
Revenue						
15-400-00-5900	BEGINNING BALANCE	0.00	1,070,378.71	900,000.00	-170,378.71	119 %
15-410-01-4230	PERMITS	56,833.44	433,235.74	600,000.00	166,764.26	72 %
15-480-00-4830	MISCELLANEOUS REVENUE	0.00	0.00	500.00	500.00	0 %
15-499-00-4963	TRANSFER FROM SDC FUND	6,083.33	54,749.97	73,000.00	18,250.03	75 %
Revenue Totals		62,916.77	1,558,364.42	1,573,500.00	15,135.58	99 %
Expense						
Building Inspections Fund						
15-115-50-6051	SALARIES	21,707.24	188,159.87	270,000.00	81,840.13	70 %
15-115-50-6061	FRINGE BENEFITS	13,629.88	121,787.99	199,500.00	77,712.01	61 %
15-115-50-6210	MATERIALS AND SUPPLIES	509.50	2,302.69	4,400.00	2,097.31	52 %
15-115-50-6240	FUEL	0.00	871.51	1,000.00	128.49	87 %
15-115-50-6401	TELECOMMUNICATIONS	309.77	2,953.72	4,600.00	1,646.28	64 %
15-115-50-6433	FLEET SERVICE TOTAL CARE	166.67	1,500.03	2,000.00	499.97	75 %
15-115-50-6452	COMPUTER SERVICES	728.58	2,467.05	4,000.00	1,532.95	62 %
15-115-50-6456	E-PERMITTING SERVICES	1,509.63	15,449.73	50,000.00	34,550.27	31 %
15-115-50-6465	PROFESSIONAL SERVICES	0.00	1,731.50	3,000.00	1,268.50	58 %
15-115-50-6481	TRAVEL AND EDUCATION	45.00	2,543.50	5,000.00	2,456.50	51 %
15-115-50-6501	VEHICLE	0.00	25,508.22	26,000.00	491.78	98 %
15-115-50-6600	MISCELLANEOUS	16.98	115.71	3,000.00	2,884.29	4 %
15-115-50-6900	TRANSFER TO GENERAL FUN	3,500.00	31,500.00	42,000.00	10,500.00	75 %
15-115-50-6920	TRANSFER TO FLEET-VEHICL	416.67	3,750.03	5,000.00	1,249.97	75 %

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		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
15-115-50-6932	TRANSFER TO RISK MANAGEI	0.00	4,600.00	4,600.00	0.00	100 %
15-115-50-6980	OPERATING CONTINGENCIES	0.00	0.00	949,400.00	949,400.00	0 %
	Building Inspections Fund Totals	42,539.92	405,241.55	1,573,500.00	1,168,258.45	26 %
Expense Totals		42,539.92	405,241.55	1,573,500.00	1,168,258.45	26 %
Revenues Over Expenses		**20,376.85**	**1,153,122.87**	**0.00**	**-1,153,122.87**	**0 %**
18 - POLICE OFFICER FEE AND FIREFIGHTER/EMS FEE						
Revenue						
18-400-00-5900	BEGINNING BALANCE-POLICE	0.00	143,308.10	135,000.00	-8,308.10	106 %
18-400-00-5901	BEGINNING BALANCE-FF/EMS	0.00	22,231.26	15,000.00	-7,231.26	148 %
18-420-01-4443	POLICE OFFICER FEE	19,753.14	171,783.53	220,000.00	48,216.47	78 %
18-420-01-4449	FIREFIGHTER/EMS FEE	18,001.32	156,577.99	200,000.00	43,422.01	78 %
Revenue Totals		37,754.46	493,900.88	570,000.00	76,099.12	87 %
Expense						
Police Officer Fee and Firefighter/EMS Fee						
18-218-50-6051	POLICE OFFICER SALARIES	5,575.33	70,839.52	125,000.00	54,160.48	57 %
18-218-50-6061	POLICE OFFICER FRINGE BEN	2,855.16	33,654.03	95,000.00	61,345.97	35 %
18-218-50-6980	OPERATING CONTINGENCIES	0.00	0.00	135,000.00	135,000.00	0 %
18-218-51-6051	FIREFIGHTER/EMS SALARIES	9,864.22	98,042.54	140,000.00	41,957.46	70 %
18-218-51-6061	FIREFIGHTER/EMS FRINGE BE	4,888.96	54,952.47	60,000.00	5,047.53	92 %
18-218-51-6981	OPERATING CONTINGENCIES	0.00	0.00	15,000.00	15,000.00	0 %
	Police Officer Fee and Firefighter/EMS Fee Totals	23,183.67	257,488.56	570,000.00	312,511.44	45 %
Expense Totals		23,183.67	257,488.56	570,000.00	312,511.44	45 %
Revenues Over Expenses		**14,570.79**	**236,412.32**	**0.00**	**-236,412.32**	**0 %**
20 - STREET FUND						
Revenue						
20-400-00-5900	BEGINNING BALANCE	0.00	3,081,678.77	2,600,000.00	-481,678.77	119 %
20-430-01-4220	PROPORTIONATE SHARE FEE	11,000.00	11,000.00	60,000.00	49,000.00	18 %
20-430-01-4831	MISCELLANEOUS STREET	5,075.00	85,157.90	60,000.00	-25,157.90	142 %
20-430-02-4332	STATE HIGHWAY APPROPRIA	106,876.10	907,202.50	1,260,000.00	352,797.50	72 %
20-430-03-4900	FINANCE PROCEEDS	0.00	4,340,000.00	4,300,000.00	-40,000.00	101 %
20-470-00-4334	STATE HIGHWAY FED MONEY	0.00	969,580.86	500,000.00	-469,580.86	194 %
20-480-00-4610	INTEREST ON INVESTMENTS	3,772.78	27,677.24	40,000.00	12,322.76	69 %
Revenue Totals		126,723.88	9,422,297.27	8,820,000.00	-602,297.27	107 %
Expense						
Street Admin & Engineering						
20-021-52-6051	SALARIES	12,244.80	108,655.64	155,000.00	46,344.36	70 %
20-021-52-6053	OVERTIME	0.00	0.00	2,000.00	2,000.00	0 %
20-021-52-6061	FRINGE BENEFITS	7,385.39	76,643.45	130,000.00	53,356.55	59 %
20-021-52-6210	MATERIALS AND SUPPLIES	1,249.45	36,875.31	70,000.00	33,124.69	53 %
20-021-52-6307	VEHICLE-EQUIPMENT EXPENS	4,166.67	37,500.03	50,000.00	12,499.97	75 %
20-021-52-6309	REPAIRS AND MAINTENANCE	84.50	1,438.93	3,200.00	1,761.07	45 %
20-021-52-6314	TRAFFIC SIGNAL MAINTENAN	23.06	254.63	2,500.00	2,245.37	10 %
20-021-52-6320	TOOLS	707.79	806.27	4,000.00	3,193.73	20 %
20-021-52-6401	TELECOMMUNICATIONS	181.59	1,850.96	3,500.00	1,649.04	53 %
20-021-52-6415	STREET LIGHTING	0.00	45,591.72	130,000.00	84,408.28	35 %
20-021-52-6452	COMPUTER SERVICES	363.55	3,233.51	6,000.00	2,766.49	54 %
20-021-52-6465	PROFESSIONAL SERVICES	2,912.68	61,567.08	90,000.00	28,432.92	68 %
20-021-52-6475	EMPLOYEE DEVELOPMENT	0.00	1,295.66	1,000.00	-295.66	130 %
20-021-52-6480	SAFETY EQUIPMENT & TRAIN	17.00	738.27	1,000.00	261.73	74 %
20-021-52-6481	TRAVEL AND EDUCATION	0.00	470.00	1,000.00	530.00	47 %
20-021-52-6500	EQUIPMENT	0.00	32,895.38	78,750.00	45,854.62	42 %
20-021-52-6520	CONTRACTUAL OVERLAYS	0.00	108,943.50	2,500,000.00	2,391,056.50	4 %
20-021-52-6521	SIDEWALKS	0.00	10,000.00	50,000.00	40,000.00	20 %

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		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
20-021-52-6535	STREET LIGHT PROJECT	0.00	0.00	270,000.00	270,000.00	0 %
20-021-52-6840	2019 MAIN ST LOAN - PRINCIP	0.00	0.00	29,000.00	29,000.00	0 %
20-021-52-6841	2019 MAIN ST LOAN - INTERES	0.00	10,025.33	20,040.00	10,014.67	50 %
20-021-52-6842	2021 STREET LOAN - PRINCIP	0.00	0.00	375,000.00	375,000.00	0 %
20-021-52-6843	2021 STREET LOAN - INTERES	0.00	22,572.79	55,340.00	32,767.21	41 %
20-021-52-6900	TRANSFER TO GENERAL FUN	7,783.33	70,049.97	93,400.00	23,350.03	75 %
20-021-52-6928	TRANSFER TO SEWER SDC-L	4,996.13	44,965.17	59,954.00	14,988.83	75 %
20-021-52-6931	TRANSFER TO FLEET-CAP EQ	291.67	2,625.03	3,500.00	874.97	75 %
20-021-52-6932	TRANSFER TO RISK MANAGEI	0.00	12,000.00	12,000.00	0.00	100 %
20-021-52-6956	SPECIAL RESERVES-BARBER	0.00	0.00	311,440.00	311,440.00	0 %
	Street Admin & Engineering Totals	42,407.61	690,998.63	4,507,624.00	3,816,625.37	15 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Debt Service & Contingency						
20-026-52-6970	OPERATING CONTINGENCIES	0.00	0.00	4,312,376.00	4,312,376.00	0 %
	Debt Service & Contingency Totals	0.00	0.00	4,312,376.00	4,312,376.00	0 %
Expense Totals		42,407.61	690,998.63	8,820,000.00	8,129,001.37	8 %
Revenues Over Expenses		**84,316.27**	**8,731,298.64**	**0.00**	**-8,731,298.64**	**0 %**
24 - SYSTEMS DEVELOPMENT FUND						
Revenue						
24-400-00-5928	BEGINNING BALANCE - STREE	0.00	1,563,680.98	1,500,000.00	-63,680.98	104 %
24-400-00-5938	BEGINNING BALANCE - PARK	0.00	1,518,786.90	1,600,000.00	81,213.10	95 %
24-400-00-5942	BEGINNING BALANCE - WATE	0.00	2,861,613.32	2,800,000.00	-61,613.32	102 %
24-400-00-5950	BEGINNING BALANCE - SEWE	0.00	4,677,872.88	4,500,000.00	-177,872.88	104 %
24-400-00-5975	BEGINNING BALANCE - STORI	0.00	559,398.60	550,000.00	-9,398.60	102 %
24-410-01-4454	SEWER SDC CHARGES	45,872.00	331,657.05	755,000.00	423,342.95	44 %
24-430-01-4453	STORM SDC CHARGES	10,527.00	65,394.78	150,000.00	84,605.22	44 %
24-430-01-4455	STREET SDC CHARGES	35,541.00	306,338.69	560,000.00	253,661.31	55 %
24-440-01-4456	PARK SDC CHARGES	25,773.00	162,702.00	390,000.00	227,298.00	42 %
24-444-03-4900	FINANCE PROCEEDS-DEQ LO	0.00	0.00	7,600,000.00	7,600,000.00	0 %
24-444-03-4916	REIMBURSEMENTS-WATER SI	7,284.30	65,558.70	85,778.00	20,219.30	76 %
24-444-03-4918	REIMBURSEMENTS-SEWER S	6,317.72	56,859.48	77,447.00	20,587.52	73 %
24-470-00-4452	WATER SDC CHARGES	48,919.82	308,099.49	750,000.00	441,900.51	41 %
Revenue Totals		180,234.84	12,477,962.87	21,318,225.00	8,840,262.13	59 %
Expense						
Systems Development						
24-095-52-6580	STREET PROJECTS	71,177.45	231,869.08	2,021,000.00	1,789,130.92	11 %
24-095-52-6588	STORM PROJECTS	0.00	38,383.34	688,950.00	650,566.66	6 %
24-095-52-6901	TRANSFER TO GENERAL FUN	2,000.00	18,000.00	24,000.00	6,000.00	75 %
24-095-52-6902	TRANSFER TO BUILDING FUN	1,250.00	11,250.00	15,000.00	3,750.00	75 %
24-095-53-6552	PARK PROJECTS	0.00	46,798.77	1,960,750.00	1,913,951.23	2 %
24-095-53-6901	TRANSFER TO GENERAL FUN	1,500.00	13,500.00	18,000.00	4,500.00	75 %
24-095-53-6902	TRANSFER TO BUILDING FUN	937.50	8,437.50	11,250.00	2,812.50	75 %
24-095-55-6591	WATER PROJECTS/OVERSIZIN	8,591.35	107,335.49	3,580,528.00	3,473,192.51	3 %
24-095-55-6901	TRANSFER TO GENERAL FUN	2,833.33	25,499.97	34,000.00	8,500.03	75 %
24-095-55-6902	TRANSFER TO BUILDING FUN	1,770.83	15,937.47	21,250.00	5,312.53	75 %
24-095-56-6577	SEWER RECLAIMED WATER F	0.00	1,302.74	8,000,000.00	7,998,697.26	0 %
24-095-56-6596	SEWER PROJECTS/ OVERSIZI	32,846.00	42,369.65	4,877,197.00	4,834,827.35	1 %
24-095-56-6901	TRANSFER TO GENERAL FUN	2,833.33	25,499.97	34,000.00	8,500.03	75 %
24-095-56-6902	TRANSFER TO BUILDING FUN	1,770.83	15,937.47	21,250.00	5,312.53	75 %
24-095-57-6901	TRANSFER TO GENERAL FUN	566.67	5,100.03	6,800.00	1,699.97	75 %
24-095-57-6902	TRANSFER TO BUILDING FUN	354.17	3,187.53	4,250.00	1,062.47	75 %
	Systems Development Totals	128,431.46	610,409.01	21,318,225.00	20,707,815.99	3 %
Expense Totals		128,431.46	610,409.01	21,318,225.00	20,707,815.99	3 %
Revenues Over Expenses		**51,803.38**	**11,867,553.86**	**0.00**	**-11,867,553.86**	**0 %**
26 - TRUST FUND						
Revenue						
26-400-00-5921	BEGINNING BALANCE - FIRE E	0.00	21,738.31	18,750.00	-2,988.31	116 %
26-400-00-5922	BEGINNING BALANCE - FIRE E	0.00	20,804.23	20,000.00	-804.23	104 %
26-400-00-5931	BEGINNING BALANCE - FIRE V	0.00	27,029.16	25,000.00	-2,029.16	108 %
26-400-00-5939	BEGINNING BALANCE - PARK	0.00	28,905.96	29,000.00	94.04	100 %
26-400-00-5941	BEGINNING BALANCE - LIBRA	0.00	12,886.67	15,000.00	2,113.33	86 %
26-400-00-5949	BEGINNING BALANCE - DELBE	0.00	1,825.29	2,000.00	174.71	91 %
26-400-00-5952	BEGINNING BALANCE - FRIEN	0.00	31,938.13	25,000.00	-6,938.13	128 %
26-400-00-5954	BEGINNING BALANCE - MISC I	0.00	5,759.97	1,000.00	-4,759.97	576 %
26-400-00-5955	BEGINNING BALANCE - OTHEI	0.00	3,198.12	0.00	-3,198.12	0 %
26-420-02-4331	FIRE EXTRICATION TEAM	0.00	0.00	15,000.00	15,000.00	0 %

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		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
26-420-02-4711	TRANSFER IN GF-FIRE VOLUN	6,708.33	60,374.97	80,500.00	20,125.03	75 %
26-420-02-4712	FIRE VOLUNTEER APPRECIAT	82.75	1,209.20	2,100.00	890.80	58 %
26-420-03-4702	HARPY BOVARD SCHOLARSH	0.00	500.00	1,500.00	1,000.00	33 %
26-440-01-4740	PARK DEVELOPMENT TRUST	0.00	4,000.00	1,000.00	-3,000.00	400 %
26-440-02-4707	LIBRARY	265.00	30,265.41	15,000.00	-15,265.41	202 %
26-440-03-4351	FRIENDS OF THE DALLAS AQU	0.00	16,000.00	10,000.00	-6,000.00	160 %
26-440-15-4750	DELBERT HUNTER ARBORETU	35.00	12,249.00	22,000.00	9,751.00	56 %
26-480-00-4743	MISCELLANEOUS DONATION '	0.00	10,500.00	2,000.00	-8,500.00	525 %
Revenue Totals		7,091.08	289,184.42	284,850.00	-4,334.42	102 %
Expense						
Trust Fund						
26-011-50-6710	MISCELLANEOUS DONATION '	0.00	12,459.56	3,000.00	-9,459.56	415 %
26-011-51-6532	FIRE TR - EXTRICATION EXPE	0.00	0.00	35,000.00	35,000.00	0 %
26-011-51-6770	FIRE RESERVE-FUTURE SCHO	0.00	0.00	17,250.00	17,250.00	0 %
26-011-51-6771	FIRE TR - HARPY BOVARD SC	0.00	1,000.00	3,000.00	2,000.00	33 %
26-011-51-6772	FIRE VOLUNTEER APPRECIAT	46,550.49	68,608.71	107,600.00	38,991.29	64 %
26-011-53-6541	FRIENDS OF THE DALLAS AQU	0.00	5,359.63	35,000.00	29,640.37	15 %
26-011-53-6551	PARK DEVELOPMENT TRUST	0.00	0.00	30,000.00	30,000.00	0 %
26-011-53-6558	LIBRARY TRUST EXPENDITUR	1,458.53	25,965.36	30,000.00	4,034.64	87 %
26-011-53-6725	DELBERT HUNTER ARBORETU	549.93	10,765.43	24,000.00	13,234.57	45 %
	Trust Fund Totals	48,558.95	124,158.69	284,850.00	160,691.31	44 %
Expense Totals		48,558.95	124,158.69	284,850.00	160,691.31	44 %
Revenues Over Expenses		**-41,467.87**	**165,025.73**	**0.00**	**-165,025.73**	**0 %**
28 - GRANTS FUND						
Revenue						
28-400-00-5953	BEGINNING BALANCE - EV CH	0.00	-73,473.13	0.00	73,473.13	0 %
28-400-00-5963	BEGINNING BALANCE - POLIC	0.00	3,453.06	2,000.00	-1,453.06	173 %
28-400-00-5964	BEGINNING BALANCE - FIRE C	0.00	1,137.87	0.00	-1,137.87	0 %
28-400-00-5970	BEGINNING BALANCE - READ'	0.00	1,380.90	1,000.00	-380.90	138 %
28-420-02-4314	FIRE GRANT	0.00	4,010.00	5,000.00	990.00	80 %
28-420-02-4380	AMBULANCE GRANT	0.00	0.00	5,000.00	5,000.00	0 %
28-420-02-4381	OTHER - POLICING GRANTS	221.00	1,923.50	3,000.00	1,076.50	64 %
28-420-03-4310	FEMA AFG EMS GRANT	0.00	1,416.08	1,500.00	83.92	94 %
28-420-03-4311	FEMA AFG FIRE GRANT-SAFE	0.00	31,198.75	30,000.00	-1,198.75	104 %
28-430-03-4313	STIP/ODOT GRANT	0.00	0.00	2,410,000.00	2,410,000.00	0 %
28-430-03-4318	EV CHARGING STATION GRAN	0.00	100,000.00	0.00	-100,000.00	0 %
28-440-02-4328	COMM DEV BLOCK GRANT-EM	0.00	36,250.00	145,000.00	108,750.00	25 %
28-440-02-4330	COMM DEV BLOCK GRANT-HO	55,984.00	116,978.00	380,000.00	263,022.00	31 %
28-440-02-4333	PACIFIC POWER (RARE) GRAN	0.00	0.00	5,000.00	5,000.00	0 %
28-440-02-4340	READY TO READ GRANT	0.00	2,923.53	2,700.00	-223.53	108 %
Revenue Totals		56,205.00	227,198.56	2,990,200.00	2,763,001.44	8 %
Expense						
Grants Fund						
28-012-50-6513	COMM DEV BLOCK GRANT-EM	0.00	36,250.00	145,000.00	108,750.00	25 %
28-012-50-6539	PACIFIC POWER (RARE) GRAN	0.00	0.00	5,000.00	5,000.00	0 %
28-012-51-6530	FEMA AFG EMS GRANT	257.14	1,744.03	1,500.00	-244.03	116 %
28-012-51-6535	AMBULANCE GRANT	0.00	0.00	5,000.00	5,000.00	0 %
28-012-51-6537	FIRE GRANT	0.00	5,147.87	5,000.00	-147.87	103 %
28-012-51-6570	POLICE EQUIPMENT	0.00	2,727.87	5,000.00	2,272.13	55 %
28-012-51-6905	TRANSFER TO GENERAL FUN	0.00	31,198.75	30,000.00	-1,198.75	104 %
28-012-52-6516	COMM DEV BLOCK GRANT-HO	0.00	116,978.00	380,000.00	263,022.00	31 %
28-012-52-6524	GODSEY ST IMPROVEMENTS	0.00	0.00	2,410,000.00	2,410,000.00	0 %
28-012-53-6556	READY TO READ	0.00	1,255.76	3,700.00	2,444.24	34 %
	Grants Fund Totals	257.14	195,302.28	2,990,200.00	2,794,897.72	7 %
Expense Totals		257.14	195,302.28	2,990,200.00	2,794,897.72	7 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Revenues Over Expenses		**55,947.86**	**31,896.28**	**0.00**	**-31,896.28**	**0 %**
29 - URBAN RENEWAL AGENCY						
Revenue						
29-400-00-5900	BEGINNING BALANCE	0.00	521,375.92	490,000.00	-31,375.92	106 %
29-450-00-4100	CURRENT PROPERTY TAXES	3,492.58	225,410.01	225,000.00	-410.01	100 %
29-450-00-4110	DELINQUENT PROPERTY TAX	188.07	3,250.77	4,000.00	749.23	81 %
29-480-00-4610	INTEREST ON INVESTMENTS	410.62	3,142.56	7,000.00	3,857.44	45 %
29-480-00-4830	MISCELLANEOUS REVENUE	0.00	18,465.00	16,000.00	-2,465.00	115 %
Revenue Totals		4,091.27	771,644.26	742,000.00	-29,644.26	104 %
Expense						
Urban Renewal						
29-019-50-6051	SALARIES	849.04	7,518.48	10,000.00	2,481.52	75 %
29-019-50-6061	FRINGE BENEFITS	540.47	5,057.54	5,000.00	-57.54	101 %
29-019-50-6210	MATERIALS AND SUPPLIES	0.00	0.00	250.00	250.00	0 %
29-019-50-6465	PROFESSIONAL SERVICES	4,800.00	10,050.00	35,000.00	24,950.00	29 %
29-019-50-6473	BUILDING IMPROVEMENT GR/	0.00	183,443.37	300,000.00	116,556.63	61 %
29-019-50-6484	MINOR IMPROVEMENT GRAN	500.00	1,587.50	4,000.00	2,412.50	40 %
29-019-50-6507	SPECIAL PROJECTS	0.00	0.00	10,000.00	10,000.00	0 %
29-019-50-6600	MISCELLANEOUS	0.00	1,495.33	2,000.00	504.67	75 %
29-019-50-6908	TRANSFER TO GF-DEBT SERV	0.00	99,260.48	149,165.00	49,904.52	67 %
29-019-50-6955	DEBT SERVICE RESERVE	0.00	0.00	149,165.00	149,165.00	0 %
29-019-50-6980	OPERATING CONTINGENCIES	0.00	0.00	77,420.00	77,420.00	0 %
	Urban Renewal Totals	6,689.51	308,412.70	742,000.00	433,587.30	42 %
Expense Totals		6,689.51	308,412.70	742,000.00	433,587.30	42 %
Revenues Over Expenses		**-2,598.24**	**463,231.56**	**0.00**	**-463,231.56**	**0 %**
45 - GENERAL LONG TERM DEBT FUND						
Revenue						
45-470-00-4901	REIMBURSEMENTS - GENERA	9,550.15	84,024.15	111,711.00	27,686.85	75 %
45-470-00-4912	REIMBURSEMENTS - SEWER I	1,584.68	13,942.28	18,536.00	4,593.72	75 %
45-470-00-4913	REIMBURSEMENTS - FLEET FI	294.50	2,591.06	3,445.00	853.94	75 %
45-470-00-4914	REIMBURSEMENTS - STREET	743.26	6,539.34	8,694.00	2,154.66	75 %
45-470-00-4915	REIMBURSEMENTS - WATER I	1,304.21	11,474.61	15,256.00	3,781.39	75 %
45-470-00-4919	REIMBURSEMENTS - BUILDIN(	546.93	4,811.97	6,398.00	1,586.03	75 %
Revenue Totals		14,023.73	123,383.41	164,040.00	40,656.59	75 %
Expense						
General Long Term Debt						
45-016-32-6801	DEBT SERVICE - PRINCIPAL	0.00	0.00	115,000.00	115,000.00	0 %
45-016-54-6802	DEBT SERVICE - INTEREST	0.00	24,519.60	49,040.00	24,520.40	50 %
	General Long Term Debt Totals	0.00	24,519.60	164,040.00	139,520.40	15 %
Expense Totals		0.00	24,519.60	164,040.00	139,520.40	15 %
Revenues Over Expenses		**14,023.73**	**98,863.81**	**0.00**	**-98,863.81**	**0 %**

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
50 - SEWER FUND						
Revenue						
50-400-00-5900	BEGINNING BALANCE	0.00	1,732,593.00	1,550,000.00	-182,593.00	112 %
50-444-01-4469	SEWER SERVICE CHARGES	331,296.24	2,926,751.79	3,750,000.00	823,248.21	78 %
50-444-01-4834	MISCELLANEOUS SEWER	10,982.48	68,935.65	75,000.00	6,064.35	92 %
50-480-00-4610	INTEREST ON INVESTMENTS	1,119.15	9,540.37	25,000.00	15,459.63	38 %
Revenue Totals		343,397.87	4,737,820.81	5,400,000.00	662,179.19	88 %
Expense						
Sewer Admin & Engineering						
50-031-56-6051	SALARIES	24,040.72	224,967.37	300,000.00	75,032.63	75 %
50-031-56-6053	OVERTIME	0.00	0.00	3,000.00	3,000.00	0 %
50-031-56-6061	FRINGE BENEFITS	15,002.95	158,618.42	245,000.00	86,381.58	65 %
50-031-56-6210	MATERIALS AND SUPPLIES	5,699.47	27,918.82	40,000.00	12,081.18	70 %
50-031-56-6275	DEQ PERMITS	0.00	23,235.00	25,000.00	1,765.00	93 %
50-031-56-6307	VEHICLE-EQUIPMENT EXPEN	10,416.67	93,750.03	135,000.00	41,249.97	69 %
50-031-56-6309	REPAIRS AND MAINTENANCE	84.50	34,137.59	110,000.00	75,862.41	31 %
50-031-56-6320	TOOLS	645.00	680.99	3,500.00	2,819.01	19 %
50-031-56-6401	TELECOMMUNICATIONS	228.16	2,262.76	4,000.00	1,737.24	57 %
50-031-56-6406	HVAC, ENERGY AND LIGHTIN	0.00	2,451.14	4,000.00	1,548.86	61 %
50-031-56-6452	COMPUTER SERVICES	363.55	2,792.02	9,000.00	6,207.98	31 %
50-031-56-6465	PROFESSIONAL SERVICES	67,233.75	650,180.81	950,000.00	299,819.19	68 %
50-031-56-6475	EMPLOYEE DEVELOPMENT	0.00	600.15	1,000.00	399.85	60 %
50-031-56-6480	SAFETY EQUIPMENT & TRAIN	0.00	644.37	1,000.00	355.63	64 %
50-031-56-6481	TRAVEL AND EDUCATION	0.00	3,106.06	1,000.00	-2,106.06	311 %
50-031-56-6500	EQUIPMENT	0.00	21,927.18	58,750.00	36,822.82	37 %
50-031-56-6579	I & I	31,800.00	106,120.00	200,000.00	93,880.00	53 %
50-031-56-6598	SEWER REPLACEMENT PROJ	0.00	0.00	50,000.00	50,000.00	0 %
50-031-56-6599	WWTF EQUIPMENT REPLACE	0.00	0.00	390,000.00	390,000.00	0 %
50-031-56-6900	TRANSFER TO GENERAL FUN	45,916.67	413,250.03	551,000.00	137,749.97	75 %
50-031-56-6932	TRANSFER TO RISK MANAGE	0.00	62,700.00	62,700.00	0.00	100 %
	Sewer Admin & Engineering Totals	201,431.44	1,829,342.74	3,143,950.00	1,314,607.26	58 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Debt Service & Contingency						
50-036-56-6818	2015 SEWER DEQ LOAN-PRIN	0.00	0.00	150,000.00	150,000.00	0 %
50-036-56-6819	2015 SEWER DEQ LOAN-INTEI	0.00	0.00	190,000.00	190,000.00	0 %
50-036-56-6820	2017 SEWER LOAN-PRINCIPAI	0.00	56,000.00	56,000.00	0.00	100 %
50-036-56-6821	2017 SEWER LOAN-INTEREST	0.00	18,008.40	18,008.00	-0.40	100 %
50-036-56-6970	OPERATING CONTINGENCIES	0.00	0.00	1,842,042.00	1,842,042.00	0 %
	Debt Service & Contingency Totals	0.00	74,008.40	2,256,050.00	2,182,041.60	3 %
Expense Totals		201,431.44	1,903,351.14	5,400,000.00	3,496,648.86	35 %
Revenues Over Expenses		**141,966.43**	**2,834,469.67**	**0.00**	**-2,834,469.67**	**0 %**
51 - STORMWATER FUND						
Revenue						
51-400-00-5900	BEGINNING BALANCE	0.00	460,119.18	430,000.00	-30,119.18	107 %
51-445-01-4490	STORMWATER SERVICE CHAI	76,372.80	529,801.82	660,000.00	130,198.18	80 %
51-445-01-4833	MISCELLANEOUS STORMWAT	0.00	0.00	2,000.00	2,000.00	0 %
51-480-00-4610	INTEREST ON INVESTMENTS	264.90	2,427.32	3,000.00	572.68	81 %
Revenue Totals		76,637.70	992,348.32	1,095,000.00	102,651.68	91 %
Expense						
Stormwater Maintenance						
51-051-57-6051	SALARIES	4,491.40	43,506.84	60,000.00	16,493.16	73 %
51-051-57-6053	OVERTIME	0.00	0.00	2,000.00	2,000.00	0 %
51-051-57-6061	FRINGE BENEFITS	1,840.53	19,362.23	28,000.00	8,637.77	69 %
51-051-57-6210	MATERIALS AND SUPPLIES	521.88	5,352.57	7,000.00	1,647.43	76 %
51-051-57-6275	DEQ PERMITS	0.00	1,386.00	2,000.00	614.00	69 %
51-051-57-6307	VEHICLE-EQUIPMENT EXPENS	2,083.33	18,749.97	28,000.00	9,250.03	67 %
51-051-57-6309	REPAIRS AND MAINTENANCE	0.00	497.93	3,000.00	2,502.07	17 %
51-051-57-6312	MATERIAL DISPOSAL	0.00	21,267.13	24,000.00	2,732.87	89 %
51-051-57-6320	TOOLS	645.00	656.66	2,000.00	1,343.34	33 %
51-051-57-6401	TELECOMMUNICATIONS	0.00	38.43	600.00	561.57	6 %
51-051-57-6452	COMPUTER SERVICES	34.38	1,085.72	3,000.00	1,914.28	36 %
51-051-57-6465	PROFESSIONAL SERVICES	14,096.63	133,161.49	355,000.00	221,838.51	38 %
51-051-57-6475	EMPLOYEE DEVELOPMENT	0.00	362.97	500.00	137.03	73 %
51-051-57-6480	SAFETY EQUIPMENT & TRAIN	0.00	644.35	500.00	-144.35	129 %
51-051-57-6481	TRAVEL AND EDUCATION	0.00	470.00	500.00	30.00	94 %
51-051-57-6500	EQUIPMENT	0.00	16,413.37	8,750.00	-7,663.37	188 %
51-051-57-6522	STORMWATER PROJECTS	0.00	0.00	50,000.00	50,000.00	0 %
51-051-57-6900	TRANSFER TO GENERAL FUN	5,750.00	51,750.00	69,000.00	17,250.00	75 %
51-051-57-6928	TRANSFER TO SEWER SDC-L	1,457.74	13,119.66	17,493.00	4,373.34	75 %
51-051-57-6932	TRANSFER TO RISK MANAGEI	0.00	2,500.00	2,500.00	0.00	100 %
51-051-57-6980	OPERATING CONTINGENCIES	0.00	0.00	431,157.00	431,157.00	0 %
	Stormwater Maintenance Totals	30,920.89	330,325.32	1,095,000.00	764,674.68	30 %
Expense Totals		30,920.89	330,325.32	1,095,000.00	764,674.68	30 %
Revenues Over Expenses		**45,716.81**	**662,023.00**	**0.00**	**-662,023.00**	**0 %**

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
52 - WATER FUND						
Revenue						
52-400-00-5900	BEGINNING BALANCE	0.00	2,878,519.15	2,500,000.00	-378,519.15	115 %
52-442-01-4463	SALE OF WATER	221,976.70	2,571,935.66	3,200,000.00	628,064.34	80 %
52-442-01-4465	NEW ACCOUNT FEES	882.43	9,717.43	15,000.00	5,282.57	65 %
52-442-01-4468	SERVICE CONNECTIONS	9,885.00	46,812.04	75,000.00	28,187.96	62 %
52-442-01-4832	MISCELLANEOUS WATER	6,179.30	66,912.48	90,000.00	23,087.52	74 %
52-480-00-4610	INTEREST ON INVESTMENTS	1,397.24	15,197.71	80,000.00	64,802.29	19 %
Revenue Totals		240,320.67	5,589,094.47	5,960,000.00	370,905.53	94 %
Expense						
Water Admin & Engineering						
52-041-55-6051	SALARIES	46,169.96	428,737.81	585,000.00	156,262.19	73 %
52-041-55-6053	OVERTIME	1,152.97	11,171.85	20,000.00	8,828.15	56 %
52-041-55-6061	FRINGE BENEFITS	28,328.94	279,697.58	400,000.00	120,302.42	70 %
52-041-55-6210	MATERIALS AND SUPPLIES	2,610.12	226,068.07	250,000.00	23,931.93	90 %
52-041-55-6265	PERMITS	0.00	1,334.00	10,000.00	8,666.00	13 %
52-041-55-6307	VEHICLE-EQUIPMENT EXPEN	8,333.33	74,999.97	100,000.00	25,000.03	75 %
52-041-55-6309	REPAIRS AND MAINTENANCE	346.94	29,967.81	55,000.00	25,032.19	54 %
52-041-55-6320	TOOLS	3,849.00	4,495.78	5,000.00	504.22	90 %
52-041-55-6401	TELECOMMUNICATIONS	790.73	8,531.38	13,000.00	4,468.62	66 %
52-041-55-6406	HVAC, ENERGY AND LIGHTIN	0.00	74,342.92	135,000.00	60,657.08	55 %
52-041-55-6452	COMPUTER SERVICES	363.56	6,087.34	17,000.00	10,912.66	36 %
52-041-55-6465	PROFESSIONAL SERVICES	1,495.98	54,655.31	150,000.00	95,344.69	36 %
52-041-55-6475	EMPLOYEE DEVELOPMENT	0.00	3,580.41	2,500.00	-1,080.41	143 %
52-041-55-6480	SAFETY EQUIPMENT & TRAIN	38.84	586.49	3,000.00	2,413.51	20 %
52-041-55-6481	TRAVEL AND EDUCATION	276.00	3,955.54	3,000.00	-955.54	132 %
52-041-55-6500	EQUIPMENT	0.00	24,531.37	108,750.00	84,218.63	23 %
52-041-55-6562	CLAY STREET LINE REHAB	0.00	21,590.57	750,000.00	728,409.43	3 %
52-041-55-6564	WTP CAPITAL IMPROVEMENT	0.00	13,361.62	15,000.00	1,638.38	89 %
52-041-55-6567	AMR PROJECT	0.00	0.00	50,000.00	50,000.00	0 %
52-041-55-6589	WATER LINE REPLACEMENT F	1,152.99	1,152.99	75,000.00	73,847.01	2 %
52-041-55-6900	TRANSFER TO GENERAL FUN	42,916.67	386,250.03	515,000.00	128,749.97	75 %
52-041-55-6932	TRANSFER TO RISK MANAGEI	0.00	36,600.00	36,600.00	0.00	100 %
52-041-55-6934	TRANSFER TO WATER SDC-L(	7,148.15	64,333.35	85,778.00	21,444.65	75 %
	Water Admin & Engineering Totals	144,974.18	1,756,032.19	3,384,628.00	1,628,595.81	52 %

		March 2021-2022 MTD Activity	2021-2022 YTD Activity	2021-2022 Budget	Budget Remaining	% of Budget Used
Debt Service & Contingency						
52-046-55-6830	2015 SRF LOAN - PRINCIPAL	0.00	40,821.23	40,822.00	0.77	100 %
52-046-55-6831	2015 SRF LOAN - INTEREST	0.00	31,914.29	31,915.00	0.71	100 %
52-046-55-6832	2016 DEQ CWSRF LOAN-PRIN	0.00	81,370.00	81,370.00	0.00	100 %
52-046-55-6833	2016 DEQ CWSRF LOAN-INTEI	0.00	21,590.00	21,590.00	0.00	100 %
52-046-55-6834	2017 WATER LOAN - PRINCIPA	0.00	339,000.00	339,000.00	0.00	100 %
52-046-55-6835	2017 WATER LOAN - INTERES	0.00	92,049.74	92,056.00	6.26	100 %
52-046-55-6970	OPERATING CONTINGENCIES	0.00	0.00	1,968,619.00	1,968,619.00	0 %
	Debt Service & Contingency Totals	0.00	606,745.26	2,575,372.00	1,968,626.74	24 %
Expense Totals		144,974.18	2,362,777.45	5,960,000.00	3,597,222.55	40 %
Revenues Over Expenses		**95,346.49**	**3,226,317.02**	**0.00**	**-3,226,317.02**	**0 %**
58 - FLEET MANAGEMENT FUND						
Revenue						
58-400-00-5900	BEGINNING BALANCE	0.00	406,671.82	390,000.00	-16,671.82	104 %
58-470-00-4906	REIMBURSED SERVICES	5,869.14	38,141.35	80,000.00	41,858.65	48 %
58-480-00-4470	GAS AND OIL REIMBURSEMEI	0.00	5,864.72	6,500.00	635.28	90 %
58-480-00-4472	FLEET SERVICE TOTAL CARE	25,000.00	225,000.00	300,000.00	75,000.00	75 %
58-480-00-4473	FLEET SERVICE TOTAL CARE	10,083.32	90,749.88	121,000.00	30,250.12	75 %
58-480-00-4474	FLEET SERVICE TOTAL CARE	166.67	1,500.03	2,000.00	499.97	75 %
58-480-00-4835	SALE OF EQUIPMENT	0.00	25,640.62	5,000.00	-20,640.62	513 %
58-499-00-4931	TRANSFER IN-CAPITAL EQUIP	291.67	2,625.03	3,500.00	874.97	75 %
58-499-00-4932	TRANSFER FROM BUILDING F	416.67	3,750.03	5,000.00	1,249.97	75 %
Revenue Totals		41,827.47	799,943.48	913,000.00	113,056.52	88 %
Expense						
Fleet Management Fund						
58-075-50-6051	SALARIES	11,551.66	103,550.40	138,000.00	34,449.60	75 %
58-075-50-6061	FRINGE BENEFITS	8,009.73	77,144.68	107,000.00	29,855.32	72 %
58-075-50-6210	MATERIALS AND SUPPLIES	617.63	3,025.66	6,000.00	2,974.34	50 %
58-075-50-6241	FUEL & OIL	10,526.77	56,281.25	61,000.00	4,718.75	92 %
58-075-50-6245	PARTS AND SERVICE	16,069.70	82,108.14	100,000.00	17,891.86	82 %
58-075-50-6246	PARTS AND SERVICE-INTERG	742.48	12,746.84	25,000.00	12,253.16	51 %
58-075-50-6309	REPAIRS AND MAINTENANCE	114.85	4,553.34	6,000.00	1,446.66	76 %
58-075-50-6320	TOOLS	178.83	3,700.53	6,000.00	2,299.47	62 %
58-075-50-6401	TELECOMMUNICATIONS	386.47	3,077.41	5,000.00	1,922.59	62 %
58-075-50-6406	HVAC, ENERGY AND LIGHTIN(	281.21	7,934.04	12,500.00	4,565.96	63 %
58-075-50-6452	COMPUTER SERVICES	34.30	5,906.46	6,000.00	93.54	98 %
58-075-50-6481	TRAVEL AND EDUCATION	0.00	306.00	3,000.00	2,694.00	10 %
58-075-50-6501	VEHICLES	0.00	46,808.76	50,000.00	3,191.24	94 %
58-075-50-6600	MISCELLANEOUS	10.00	3,891.16	5,000.00	1,108.84	78 %
58-075-50-6900	TRANSFER TO GENERAL FUN	4,166.67	37,500.03	50,000.00	12,499.97	75 %
58-075-50-6932	TRANSFER TO RISK MANAGEI	0.00	19,000.00	19,000.00	0.00	100 %
58-075-50-6980	OPERATING CONTINGENCIES	0.00	0.00	313,500.00	313,500.00	0 %
	Fleet Management Fund Totals	52,690.30	467,534.70	913,000.00	445,465.30	51 %
Expense Totals		52,690.30	467,534.70	913,000.00	445,465.30	51 %
Revenues Over Expenses		**-10,862.83**	**332,408.78**	**0.00**	**-332,408.78**	**0 %**

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CITY OF DALLAS
CITY COUNCIL
STAFF REPORT

MEETING DATE:	April 18, 2022
AGENDA ITEM NO.	8a
TOPIC:	Karma Coffee Shop & Bakery Itinerant Merchant Master License
PREPARED BY:	Brian Latta
APPROVED BY:	City Manager
ATTACHMENTS:	A – Application Materials B – Polk County Map of Proposed Properties

RECOMMENDED ACTION:
Staff Recommends the Council approve with conditions the Itinerant Merchant Master License for Karma Coffee Shop & Bakery.

BACKGROUND:
Amanda Warren has applied for an Itinerant Merchant Master License to host vendors one Saturday each month, from May through October, on the properties addressed 1042 and 1062 Main Street. The application materials have been reviewed by the city's departments with a recommendation to approve the request (**see Attachment A**).

The applicant has provided the appropriate insurance certificate, naming the City as an additional insured.

The applicant proposes to potentially locate vendors on two properties (**see Attachment A.3)**. The property with the 1062 Main Street address is owned by the applicant. However, the property addressed 1042 Main Street is under separate ownership (**see Attachment B**). The applicant has not yet submitted signed consent from this property owner to use their property for this purpose. Staff recommends a condition of approval for the applicant to provide this consent prior to their first itinerant merchant event.

Staff recommends the following conditions be placed on the approval:

1. The applicant be limited to hosting vendors to no more than twice per week, during the time period beginning May 1, 2022 and ending October 31, 2022
2. The vendors are limited to selling their merchandise from 9 am to 5 pm.
3. The applicant shall be responsible for the removal of any debris, trash or other materials produced from the vendors.
4. The applicant shall make available restroom facilities to the public during the times the vendors are present.

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5. Prior to the first itinerant merchant event, the applicant shall provide the city manager's office with a signed letter of consent from the property owner located at 1042 Main Street.

SUMMARY TIMELINE:
3/31/2022 – Application Submitted
4/18/2022 – City Council considers application
5/1/2022 – 10/31/2022 – Duration of license, if approved.

FISCAL IMPACT:
N/A

RECOMMENDED MOTION:
I move to approve the Karma Coffee Shop & Bakery Itinerant Merchant Master License, with the five proposed conditions of approval presented in the staff report.

ATTACHMENTS:
A – Application Materials
B – Polk County Map of Proposed Properties

THE CITY OF DALLAS OREGON

Itinerant Merchant Master License

Dallas City Code Section 7.855

Application Fee - ~~$100.00~~

Official Use Only
Date Rec'd 3/31/22
File No. 22-02
Fee N/A Paid__

Applicant's Name: Amanda Warren

Complete Mailing Address: 1062 Main Street Dallas, OR 97338

Phone: [redacted] Email: [redacted]

Business Name: Karma Coffee Bar & Bakery Inc

Complete Mailing Address: 1062 Main Street Dallas, OR 97338

Phone: [redacted] Email: [redacted]

Describe your business, including products and /or services

Karma - coffee shop & bakery
Pop-ups: local vendors of jewelry, plants, art, other local businesses, ect.

Days and hours of operation: Karma 5a-6p mon-fri 6a-6p sat+sun

How long will you be conducting business? Begin Date: April 2022 End Date: Sept. 2022

1 saturday per month from 10-2 from April-September

Itinerant Business location: Karma Coffee Bar & Bakery

Signature (consent) of Property Owner:

Do you intend to conduct business in the Public Right-of-Way (city streets or sidewalks)?

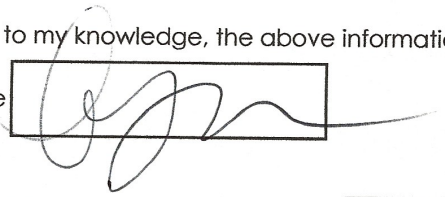
Yes ○ No ⊗

☐ If yes, applicant must obtain and maintain a policy of liability insurance in the amount of $1,000,000, and name the City of Dallas, Oregon as an additional insured. A certificate of insurance shall be provided to the City before

☐ **Please submit a site plan showing placement of structures, sales area, customer vehicle parking, vehicle access and traffic circulation.**

ATTACHMENT A.2

I hereby certify that, to my knowledge, the above information is true and correct.

Applicant's Signature  Date 4/1/22

Step 1

Please submit payment in the amount of $100.00 to:

Finance Department
187 SE Court Street
Dallas, OR 97338
503-831-3508

Step 2

Please return completed form to:

City Manager's Office
187 SE Court Street
Dallas, OR 97338
503-831-3502
sam.kaufmann@dallasor.gov

Step 3

Master Itinerant Merchant Permits require approval by Dallas City Council. Permits must be submitted thirty days before an event in order to be placed on the next city council meeting agenda. To have a Master Itinerant Merchant Application placed on the council agenda for consideration, please contact the City Manager's office at: sam.kaufmann@dallasor.gov | 503-831-3502.

ATTACHMENT A.3

Blue squares represent possible places for vendors depending on how many we have at each event (usually around 5 per event). Arrows represent the flow of traffic. Additional parking in back, on street, and in church parking lot.

Itinerant Merchant Master License

ATTACHMENT B

4/12/2022, 9:40:31 AM

Taxlots

100 Scale

1:1,128

0 0.01 0.01 0.02 mi

0 0.01 0.02 0.04 km

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA,

Esri Community Maps Contributors, Oregon Metro, State of Oregon GEO, © OpenStreetMap, Microsoft, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA |

CITY OF DALLAS
CITY COUNCIL
STAFF REPORT

MEETING DATE:	April 18, 2022
AGENDA ITEM NO.	8b
TOPIC:	Process to Fill a Council Vacancy
PREPARED BY:	Brian Latta
APPROVED BY:	City Manager
ATTACHMENTS:	A – Excerpt of Dallas City Charter

RECOMMENDED ACTION:
Staff recommends the Council fill the vacancy, and determine the process to do so.

BACKGROUND:
On April 11, 2022, City Councilor Paul Trahan resigned from the Dallas City Council. His resignation creates a vacancy on the City Council, as described in Section 28 of the City Charter.

The process for filling a vacancy is described in the City Charter. Section 29 of the charter states in part, "Vacancies in elective offices in the city shall be filled by a vote of a majority of the incumbent members of the council." The process is not defined further. However, the City Council has filled vacancies on the Council in the past in primarily two ways described below.

1. In January 2019 and April 2021, the City Council appointed the next highest receiver of votes in the preceding Council election cycle. These decisions were made in part, because the vacancy was created shortly after the election had occurred.
2. The Council, in 2011, 2012, and 2016, filled vacancies by soliciting applications from persons interested in serving, and then conducting an interview and selection process.

The Council may choose to fill the vacant position by either process described above, or another process determined by the Council.

The current vacancy has a term expiring December 31, 2024.

Staff recommend the Council fill the position. Staff further recommend the Council determine the process for filling the position.

SUMMARY TIMELINE:
To be determined.

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FISCAL IMPACT:
None

RECOMMENDED MOTION:
To be determined.

ATTACHMENTS:
A – Excerpt of City Charter

ATTACHMENT A

Section 28 What Creates Vacancy

An office becomes vacant:

1. Upon the incumbent's:
    a. Death;
    b. Adjudicated incompetence;
    c. Conviction of a felony, other offense pertaining to the office, or unlawful destruction or falsification of public records;
    d. Resignation; or
    e. Recall from office.
2. Upon declaration of the council after:
    a. The incumbent ceases to possess the qualifications for the office;
    b. The failure of the person elected or appointed to the office to qualify for the office within 10 days after the time for his or her term of office to commence; or
    c. In the case of the mayor or a council member, upon his or her absence from the city for 30 days without the consent of the council or absence from meetings of the council for 60 days without like consent.
    d. In the case of a council member, upon his or her refusal to vote on a matter as required in Chapter IV, Section 19, or if the council member has absented himself or herself from a meeting of the council for the purpose of avoiding a vote.
    e. In the case of the mayor or a council member, the council has determined the person has violated Chapter V, Section 21 (g).

Section 29 Filling Of Vacancies

Vacancies in elective offices in the city shall be filled by vote of a majority of the incumbent members of the council. The appointee's term of office shall begin immediately upon appointment and shall continue throughout the unexpired term of the appointee's predecessor. During the temporary disability of any officer or during his or her absence temporarily from the city for any cause, his or her office may be filled pro tem in the manner provided for filling vacancies in office permanently except as otherwise provided herein.

CITY OF DALLAS
CITY COUNCIL
STAFF REPORT

MEETING DATE:	April 18, 2022
AGENDA ITEM NO.	9a
TOPIC:	Second Reading of Ordinance Relating to Towing of Abandoned Vehicles
PREPARED BY:	Brian Latta
APPROVED BY:	City Manager
ATTACHMENTS:	A – Proposed Ordinance No. 1872

RECOMMENDED ACTION:
Staff recommends the City Council adopt Ordinance No. 1872

BACKGROUND:
The City Council approved revising Section 6.530 of Dallas City Code, and passed the first reading of Ordinance 1872 on April 4, 2022.

The proposed ordinance is found as **Attachment A**.

SUMMARY TIMELINE:
April 4, 2022 – City Council approved revisions to City Code Section 6.530.
April 4, 2022 – City Council passes the first reading of an ordinance to implement the proposed revisions.
April 18, 2022 – City Council passes the second reading of an ordinance to implement the proposed revisions, and votes to adopt the ordinance.
May 18, 2022 – If ordinance is adopted, it becomes effective on this date.

FISCAL IMPACT:
None.

RECOMMENDED MOTION:
N/A – Ordinance scheduled for second reading and roll call vote to adopt.

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ATTACHMENT A

ORDINANCE NO. 1872

An Ordinance amending provisions of Dallas City Code sections 6.505, 6.510 and 6.512, relating to abandoned and hazardous vehicles.

THE CITY OF DALLAS DOES ORDAIN AS FOLLOWS:

Section 1. Dallas City Code Section 6.530 is amended and restated in its entirety as follows:

6.530 Post-Towing Notice

1. After an abandoned vehicle has been taken into custody, notice shall be provided to the owner indicating:
    1. The location of the vehicle;
    2. That a lien has arisen on the vehicle in favor of the person who towed the vehicle;
    3. That the vehicle may be sold at public auction to satisfy the lien; and
    4. That a hearing on the validity of the tow and on the creation and amount of the lien may be held, if requested.
2. Notice is considered given when a certified letter addressed to the registered owner of the vehicle and a similar letter addressed to the legal owner, if any, return receipt requested and postage prepaid, is mailed within 48 hours, not including holidays, Saturdays or Sundays, after the vehicle is taken into possession by or at the direction of a law enforcement officer.
3. If the vehicle is registered in the office of the Motor Vehicles Division, notice may be addressed to the registered owner and the legal owner, if any, at the latest respective address of each shown by Motor Vehicles Division records. If the vehicle is not registered, reasonable efforts shall be made to ascertain the names and addresses of the legal owner and persons entitled to possession of the vehicle so that notice may be mailed, if reasonably possible, within the time period outlined in this section.
4. If a hearing is desired, the owner must request a hearing within five days after the date of mailing of the notice, not including holidays, Saturdays or Sundays. The request may be made in person or in writing, and failure to appear in person or to mail a letter within five days after the date of mailing of the notice shall act as a waiver of the right to a hearing.

Read for the first time: April 4, 2022
Read for the second time: April 18, 2022
Passed by the City Council: April 18, 2022

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ATTACHMENT A

Approved by the Mayor: April 18, 2022

_____
BRIAN W. DALTON, MAYOR

ATTEST:

_____
BRIAN LATTA,
CITY MANAGER

APPROVED AS TO FORM:

_____
LANE P. SHETTERLY, CITY ATTORNEY

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