



MODIFICATION OF AN EXISTING WIRELESS FACILITY SUMMARY—ELIGIBLE FACILITY MODIFICATION

File: WIR23-00545

Address: 11512 NE 53rd St, Kirkland, WA 98033

Project Name: Sea Bridal Trails - PTP

Applicant: Josh McGrath, Acom Consulting Inc.

Proposal: The wireless facility was originally approved as a land use permit, File no. IIB-90-104. Verizon currently has eight (8) standoff, arm-mounted antennas on the existing wood pole, along with ancillary equipment and a ground-mounted equipment enclosure. This modification allows: removal of 0 existing antennas and the installation of 2 new wall-mounted antennas. The modification increases the total number of antennas from eight (8) antennas to ten (10) antennas (see Attachment #).

Project Planner: Priya Vellaipandian

Date: September 21, 2023

Decision: ☐ Denied
☒ Approved with the following conditions:

I. CONDITIONS OF APPROVAL

- A. This application is subject to the applicable requirements contained in the Kirkland Municipal Code, Zoning Code, and Building and Fire Code. It is the responsibility of the applicant to ensure compliance with the various provisions contained in these ordinances.
- B. The antennas and any visible mounting brackets and/or cables shall be painted to match the existing building façade pole color.
- C. The maximum size for equipment structures in residential zones is 5 feet in height and 125 square feet in area. The maximum size in non-residential zones is 10 feet in height and 240 square feet in area.
- D. The proposed equipment structure shall comply with the noise standards found in KZC Section 117.70.9 & 115.95.
- E. All personal wireless service facilities (PWSF) must meet or exceed current standards and regulations of the FAA, the FCC and any other agency of the Federal Government with the

authority to regulate PWSF. If such standards and regulations are changed, then the owners of the PWSF governed by this chapter shall bring such PWSF into compliance with such revised standards and regulations in accordance with the compliance deadlines and requirements of such standards and regulations. Failure to bring PWSF into compliance with such revised standards and regulations shall constitute grounds for the removal of the PWSF at the owner's expense (KZC 117.65.14).

- F. In the event the use of any PWSF will be discontinued for a period of 60 consecutive days, the owner or operator shall so notify the City in writing, and the PWSF shall thereafter be deemed to be abandoned. Determination of the date of abandonment shall be made by the City which shall have the right to request documentation and affidavits from the PWSF owner or operator regarding the issue of PWSF usage. Upon such abandonment, the owner or operator of the PWSF or the owner of the property upon which such facility is located shall have an additional 60 days within which to:
1. Reactivate the use of the antenna or transfer the PWSF to another owner or operator who makes actual use of the PWSF; or
 2. Dismantle and remove the PWSF. If such PWSF is not removed within said 60 days from the date of abandonment, the City may remove such PWSF at the facility owner's and property owner's expense.

At the earlier of 60 days from the date of abandonment without reactivation or upon completion of dismantling and removal, City approval for the PWSF shall automatically expire.

- G. The wireless facility cannot be electronically connected to power and/or the electrical permit cannot be approved until the Planning Department has completed a final inspection of the facility and signed off on the permit.
- H. Building Department Conditions:

Building Department Conditions for Wireless Telecommunication Installations

Please contact Janise Goucher jgoucher@kirklandwa.gov 425-587-3614 for Building Department questions related to this permit.

Code change to 2021 editions on 10/29/2023

Building permit required.

Electrical permit required.

1. Permits must comply with the 2018 editions of the International Building and Mechanical Codes and the Uniform Plumbing Code as adopted and amended by the State of Washington and the City of Kirkland. A Building Permit is required for installation/anchorage of the new equipment proposed in the existing shelter.

2. Structural components must be designed for seismic design category D, wind speed of 110 miles per hour and Exposure B or Exposure C if within 1500 feet of the shoreline of Lake Washington. The use of ballasted sleds for mounting antennas is not permitted by current code: ASCE 7 - 10 chapter 13.4

3. An Electrical Permit for the electrical work related to power to the equipment and/or the electrical service is required to be obtained separately. Kirkland reviews, issues and inspects all electrical permits in the city. Electrical permit applications shall demonstrate compliance with the 2020 Washington Cities Electrical Code (WCEC) Chapters 1 and 3 as published by WABO.

4. Anchorage of Appliances: Appliances designed to be fixed in position shall be securely fastened in place. Supports for appliances shall be designed and constructed to sustain vertical and horizontal loads within the stress limitations specified in the Building Code. All floor supported mechanical equipment and fixed appliances shall be anchored to the structure to resist displacement vertically and on both horizontal axis due to seismic motion. Suspended mechanical equipment and appliances shall have rigid vertical hangers and be braced in both horizontal directions. Connections by pipes or ducts which are not themselves adequately anchored shall not be acceptable as equipment or appliance anchors. Approved factory-fabricated isolation cushions and dampers are permitted between supports or braces and the equipment housing. In no case shall flues or vents be used to support or restrain equipment or appliances. Ref.: IMC chapter 3.

II. ELIGIBLE FACILITY MODIFICATION

- A. The site is located in the RS 12.5 zone, which is a residential zone as defined in KZC 117.15.
- B. General / Applicability -
 - 1. The application was received on August 04, 2023. The application was deemed complete on September 21, 2023.
- C. The antenna addition request has been reviewed as an Eligible Facility Modification under Section 6409 of the Middle Class Tax Relief and Job Creation Act of 2012, 47 U.S.C. Section 1455(a). The modification does not substantially change the physical dimensions of the existing base station or tower or defeat existing concealment technology (see Attachment 1).

III. DECISION OF PLANNING OFFICIAL

I approve the modification as proposed. The conditions of approval are found at the beginning of this report.

IV. SUBSEQUENT MODIFICATIONS

Modifications to the approval may be requested and reviewed pursuant to the applicable modification procedures and criteria in effect at the time of the requested modification.

V. APPEALS

The following is a summary of the deadlines and procedures for appeals. Any person wishing to file or respond to an appeal should contact the Planning and Building Department for further procedural information.

KZC 117.95 allows the applicant to appeal a Planning Official decision to the Hearing Examiner. The appeal must be in writing and must be delivered, along with fees set by ordinance, to the Planning Department by 5:00 p.m., October 4, 2023, fourteen (14) calendar days after the date the Planning Official's decision was mailed or otherwise delivered to the applicant.

VI. LAPSE OF APPROVAL (KZC 117.100)

The applicant must begin construction or submit to the City a complete building permit application for the development activity or other actions approved under this chapter within five (5) years after the final approval of the City of Kirkland on the matter, or the decision becomes void; provided, however, that in the event judicial review is initiated per KZC 117.95, the running of the five (5) years is tolled for any period of time during which a court order in said judicial review proceeding prohibits the development activity or other actions.

The applicant must substantially complete construction for the development or other actions approved under this chapter and complete the applicable conditions listed on the notice of decision within seven (7) years after the final approval on the matter or the decision becomes void.

VII. APPENDICES

Attachments 1 through 2 are attached.

1. Applicant's Proposal
2. Response to Substantial Change Criteria

SEA
BRIDLE TRAILS

5325 116TH AVE NE
KIRKLAND, WA 98033



05/22/2023

VECTOR PROJECT #: U2350-929-231

NO.	DATE	DRAWN	REVISION
A	05/03/23	KH	90% PCD REVIEW
0	05/18/23	KH	100% FINAL CD

CLIENT:



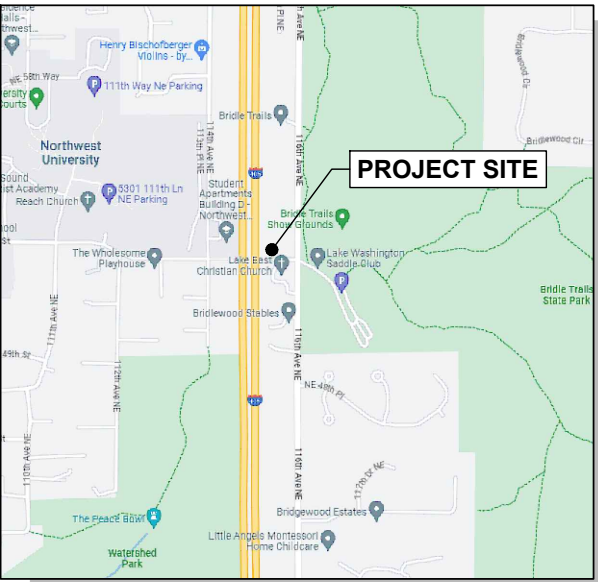
A&E CONSULTANT, SITE ACQUISITION AND PERMITTING:



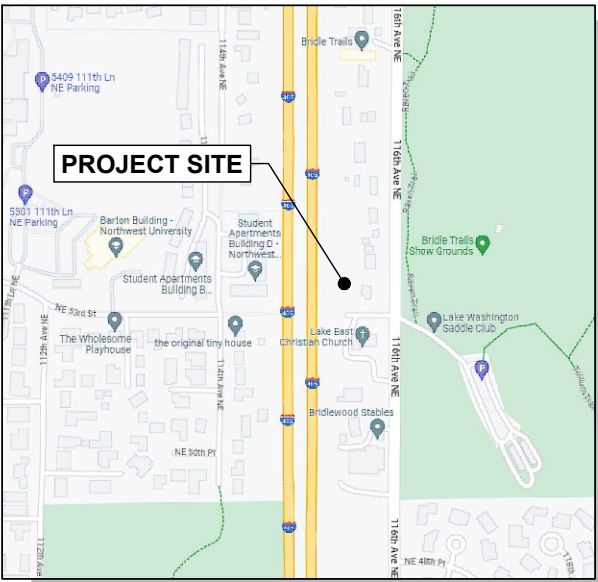
STRUCTURAL ENGINEER:



VICINITY MAP



LOCATION MAP



PROJECT CONTACT LIST

PROPERTY OWNER:
DGR DEVELOPMENT INC
PO BOX 13316
MILL CREEK, WA 98082

APPLICANT:
CELLCO PARTNERSHIP
(d/b/a VERIZON WIRELESS)
ATTENTION: VERIZON C/O
WeWORK SUITE 500
3120 139TH AVE SE
(VERIZON SUITE 01W102)
BELLEVUE, WA 98005

IMPLEMENTATION CONTACT:
JOSH PARDES
VERIZON WIRELESS (VAW) LLC
(d/b/a VERIZON WIRELESS)
5430 NE 122ND AVENUE
PORTLAND, OR 97230
PHONE: (971) 212-0356

A&E CONSULTANT:
RICK MATTESON
ACOM CONSULTING, INC
5200 SW MEADOWS RD
SUITE 150
LAKE OSWEGO, OR 97035
PHONE: (425) 209-6723
rick.matteson@acomconsultinginc.com

REAL ESTATE:
SARAH BLANCHARD
ACOM CONSULTING, INC
5200 SW MEADOWS RD, SUITE 150
LAKE OSWEGO, OR 97035
PHONE : (503) 310-5538
sarah.blanchard@acomconsultinginc.com

ZONING / PERMITTING:
JOSH McGRATH
ACOM CONSULTING, INC
5200 SW MEADOWS RD, SUITE 150
LAKE OSWEGO, OR 97035
PHONE : (541) 200-4388
josh.mcgrath@acomconsultinginc.com

ENGINEER OF RECORD
WELLS L. HOLMES, S.E.
VECTOR STRUCTURAL ENGINEERING
651 W GALENA PARK BLVD, SUITE 101
DRAPER, UT 84020
PHONE: (801) 990-1775

PROJECT INFORMATION

CODE INFORMATION:

JURISDICTION: CITY OF KIRKLAND
ZONING CLASSIFICATION: RS 12.5 - LOW DENSITY RESIDENTIAL
CONSTRUCTION TYPE: V-A
OCCUPANCY: UTILITY
PROPOSED BUILDING USE: TELECOM

SITE LOCATION (NAVD88):

GROUND ELEVATION: ±412.0' AMSL
STRUCTURE HEIGHT: 40.0' (TOP OF MONOPOLE)

GEODETIC COORDINATES (NAD83):

LATITUDE: 47.65565278° (47° 39' 20.35" N)
LONGITUDE: -122.18651389° (122° 11' 11.45" W)

LEASE AREA SIZE:

EXISTING

PARCEL SIZE:

.56 ACRES

PARCEL NUMBER:

1725059135

DRAWING INDEX

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T-2	GENERAL NOTES AND SYMBOLS
A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	PROPOSED AND EXISTING SHELTER ELEVATIONS
A-4	MICROWAVE ANTENNA DETAILS
A-5	MICROWAVE SPECIFICATIONS & MOUNT DETAILS

DRIVING DIRECTIONS

FROM VERIZON WIRELESS OFFICE - BELLEVUE, WA:

TAKE I-405 NORTH TO NE 70TH EXIT, TURN RIGHT ON 116TH AND FOLLOW 1 MILE TO BRIDLE TRAILS STATE PARK ENTRANCE SIGN, TURN RIGHT. TURN RIGHT AT END OF SHORT ROAD, YOU WILL BE DRIVING BEHIND A HOUSE AND THE I-405 WILL BE BEHIND THE CELL SITES. PASS THE 1ST SHELTER, TILL YOU COME TO THE 2ND CELL SITE. (THE 1ST ONE IS AT&T)

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT CONDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

WASHINGTON STATE AND LOCAL BUILDING CODES WITH THE FOLLOWING REFERENCE CODE:

- 2018 IBC, STANDARDS AND AMENDMENTS - WAC 51-50
- 2018 IMC, STANDARDS AND AMENDMENTS - WAC 51-52
- 2018 IFC, STANDARDS AND AMENDMENTS - WAC 51-54
- 2018 UPC, STANDARDS AND AMENDMENTS - WAC 51-56
- 2020 NATIONAL ELECTRICAL CODE - WAC 296-46B
- 2018 INTERNATIONAL FUEL GAS CODE
- 2018 WASHINGTON STATE ENERGY CODE - WAC 51-11C

SCOPE OF WORK

VERIZON WIRELESS PROPOSES TO INSTALL (2) MICROWAVE ANTENNAS WITH (1) ODU ON EACH ON (2) WALL MOUNTED ANTENNA MOUNTS WITH ASSOCIATED CAT6a CABLE

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF ACOM CONSULTING.

SEA
BRIDLE TRAILS

5325 116TH AVE NE
KIRKLAND, WA 98033

COVER SHEET

T-1

GENERAL NOTES

1. WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. ALL NECESSARY LICENSES, CERTIFICATES, ETC., REQUIRED BY AUTHORITY HAVING JURISDICTION SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
2. ACOM HAS NOT CONDUCTED, NOR DOES IT INTEND TO CONDUCT ANY INVESTIGATION AS TO THE PRESENCE OF HAZARDOUS MATERIAL, INCLUDING, BUT NOT LIMITED TO, ASBESTOS WITHIN THE CONFINES OF THIS PROJECT. ACOM DOES NOT ACCEPT RESPONSIBILITY FOR THE INDEMNIFICATION, THE REMOVAL, OR ANY EFFECTS FROM THE PRESENCE OF THESE MATERIALS. IF EVIDENCE OF HAZARDOUS MATERIALS IS FOUND, WORK IS TO BE SUSPENDED AND THE OWNER NOTIFIED. THE CONTRACTOR IS NOT TO PROCEED WITH FURTHER WORK UNTIL INSTRUCTED BY THE OWNER IN WRITING.
3. ALL MATERIAL FURNISHED UNDER THIS CONTRACT SHALL BE PROPOSED, UNLESS OTHERWISE NOTED. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP. THE CONTRACTOR SHALL REPAIR OR REPLACE AT HIS EXPENSE ALL WORK THAT MAY DEVELOP DEFECTS IN MATERIALS OR WORKMANSHIP WITHIN SAID PERIOD OF TIME OR FOR ONE YEAR AFTER THE FINAL ACCEPTANCE OF THE ENTIRE PROJECT, WHICHEVER IS GREATER.
4. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND UTILITIES AT THE JOB SITE BEFORE WORK IS STARTED. NO CLAIMS FOR EXTRA COMPENSATION FOR WORK WHICH COULD HAVE BEEN FORESEEN BY AN INSPECTION, WHETHER SHOWN ON THE CONTRACT DOCUMENTS OR NOT, WILL BE ACCEPTED OR PAID.
5. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS AT THE JOB SITE WHICH COULD AFFECT THE WORK UNDER THIS CONTRACT. ALL MANUFACTURERS RECOMMENDED SPECIFICATIONS, EXCEPT THOSE SPECIFICATIONS HEREIN, WHERE MOST STRINGENT SHALL BE COMPLIED WITH.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE SIZE AND LOCATION OF ALL OPENINGS FOR STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL, OR ARCHITECTURAL WORK.
7. THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY AND ALL MECHANICAL, ELECTRICAL, PLUMBING, OR STRUCTURAL ELEMENTS, AND THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE ARE MET. NOTIFY THE CONSULTANT OF ANY CONFLICTS. THE CONSULTANT HAS THE RIGHT TO MAKE MINOR MODIFICATIONS IN THE DESIGN OF THE CONTRACT WITHOUT THE CONTRACTOR GETTING ADDITIONAL COMPENSATION.
8. DO NOT SCALE THE DRAWINGS. DIMENSIONS ARE EITHER TO THE FACE OF FINISHED ELEMENTS OR TO THE CENTER LINE OF ELEMENTS, UNLESS NOTED OTHERWISE. CRITICAL DIMENSIONS SHALL BE VERIFIED AND NOTIFY THE CONSULTANT OF ANY DISCREPANCIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEAN UP OF ALL TRADES AND REMOVE ALL DEBRIS FROM THE CONSTRUCTION SITE. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE BUILDING, SITE, AND ANY OTHER SURROUNDING AREAS TO A BETTER THAN EXISTING CONDITION.
10. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES.
11. THE CONTRACTOR SHALL MEET ALL OSHA REQUIREMENTS FOR ALL INSTALLATIONS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING CONSTRUCTION AND REPAIR ALL DAMAGES TO BETTER THAN PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DAMAGE TO THE BUILDING SITE OR ANY ADJACENT STRUCTURES AROUND THE PROJECT. THE CONSULTANT SHALL BE SOLE AND FINAL JUDGE AS TO THE QUALITY OF THE REPAIRED CONSTRUCTION. ANY ADDITIONAL MODIFICATIONS WHICH MUST BE MADE SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
13. WHERE ONE DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS OR REFERRED TO IN THE SPECIFICATIONS, UNLESS NOTED OTHERWISE.
14. WHERE PROPOSED PAVING, CONCRETE SIDEWALKS OR PATHS MEET EXISTING CONSTRUCTION, THE CONTRACTOR SHALL MATCH THE EXISTING PITCH, GRADE, AND ELEVATION SO THE ENTIRE STRUCTURE SHALL HAVE A SMOOTH TRANSITION.
15. THE CONTRACTOR SHALL MODIFY THE EXISTING FLOORS, WALL, CEILING, OR OTHER CONSTRUCTION AS REQUIRED TO GAIN ACCESS TO AREAS FOR ALL MECHANICAL, PLUMBING, ELECTRICAL, OR STRUCTURAL MODIFICATIONS. WHERE THE EXISTING CONSTRUCTION DOORS, PARTITIONS, CEILING, ETC., ARE TO BE REMOVED, MODIFIED, OR REARRANGED OR WHERE THE EXPOSED OR HIDDEN MECHANICAL, ELECTRICAL, SYSTEMS ARE ADDED OR MODIFIED, THE GENERAL CONTRACTOR SHALL REPAIR, PATCH AND MATCH ALL EXISTING CONSTRUCTION AND FINISHES OF ALL FLOORS WALLS AND CEILINGS. WHERE CONCRETE MASONRY CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL TOOTH IN ALL PROPOSED CONSTRUCTION TO MATCH THE EXISTING BOND. WHERE CONCRETE CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL VERIFY THE EXACT DETAILS TO BE USED FOR CONSTRUCTION. ALL WORK SHALL BE COVERED UNDER THE GENERAL CONTRACT.

IMPORTANT NOTICE

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. ACOM CONSULTING CANNOT GUARANTEE THE CORRECTNESS NOR COMPLETENESS OF THE EXISTING CONDITIONS SHOWN AND ASSUMES NO RESPONSIBILITY THEREOF. CONTRACTOR AND HIS SUB-CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AS REQUIRED FOR PROPER EXECUTION OF PROJECT. REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CONSULTANT PRIOR TO CONSTRUCTION.

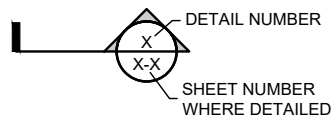
16. VERIFY ALL EXISTING DIMENSIONS PRIOR TO ANY EXCAVATION.
17. VERIFY LOCATION OF ALL BURIED UTILITIES PRIOR TO ANY EXCAVATION.
18. IN RAWLAND CONDITIONS, TOWER FOUNDATION STRUCTURAL STEEL TO BE GROUNDED PRIOR TO CONCRETE POUR. TOWER FOUNDATION STRUCTURAL STEEL TO BE CONNECTED TO PERMANENT GROUND ROD PRIOR TO TOWER ERECTION. TOWER GROUND MUST BE MAINTAINED AT ALL TIMES.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR COMMERCIAL POWER IMMEDIATELY UPON AWARD OF CONTRACT. THE GENERAL CONTRACTOR IS REQUIRED TO KEEP ALL DOCUMENTATION RECEIVED FROM THE POWER COMPANY, ACKNOWLEDGING APPLICATION FOR POWER, WRITTEN AND VERBAL DISCUSSIONS WITH THE POWER COMPANY, ETC.
20. THE GENERAL CONTRACTOR SHALL OBTAIN WRITTEN CONFIRMATION OF THE EXPECTED DATE OF COMPLETION OF THE POWER CONNECTION FROM THE POWER COMPANY.
21. IF THE POWER COMPANY IS UNABLE TO PROVIDE THE POWER CONNECTION BY OWNER'S REQUIRED DATE, THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY GENERATOR UNTIL THE POWER COMPANY CONNECTION IS COMPLETED. COSTS ASSOCIATED WITH THE TEMPORARY GENERATOR TO BE APPROVED BY THE OWNER.
22. IF THE GENERAL CONTRACTOR FAILS TO TAKE NECESSARY MEASURES AS DESCRIBED IN NOTES 19, 20 AND 21 ABOVE, THE GENERAL CONTRACTOR SHALL PROVIDE A TEMPORARY GENERATOR AT NO COST TO THE OWNER.
23. PLANS PART OF THIS SET ARE COMPLEMENTARY. INFORMATION IS NOT LIMITED TO ONE PLAN. DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY THE OWNER ON OTHER PROJECTS OR EXTENSION TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THESE PLANS WERE PREPARED TO BE SUBMITTED TO GOVERNMENTAL BUILDING AUTHORITIES FOR REVIEW FOR COMPLIANCE WITH APPLICABLE CODES AND IT IS THE SOLE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO BUILD ACCORDING TO APPLICABLE BUILDING CODES.
24. IF CONTRACTOR OR SUB-CONTRACTOR FIND IT NECESSARY TO DEVIATE FROM ORIGINAL APPROVED PLANS, THEN IT IS THE CONTRACTOR'S AND THE SUB-CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE ARCHITECT WITH 4 COPIES OF THE PROPOSED CHANGES FOR HIS APPROVAL BEFORE PROCEEDING WITH THE WORK. IN ADDITION THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY APPROVALS FROM THE BUILDING AUTHORITIES FOR THE PROPOSED CHANGES BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY INSPECTIONS AND APPROVALS FROM BUILDING AUTHORITIES DURING THE EXECUTION OF THE WORK.
25. IN EVERY EVENT, THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL BE INTERPRETED TO BE A MINIMUM ACCEPTABLE MEANS OF CONSTRUCTION BUT THIS SHALL NOT RELIEVE THE CONTRACTOR, SUB-CONTRACTOR, AND/OR SUPPLIER/MANUFACTURER FROM PROVIDING A COMPLETE AND CORRECT JOB WHEN ADDITIONAL ITEMS ARE REQUIRED TO THE MINIMUM SPECIFICATION. IF ANY ITEMS NEED TO EXCEED THESE MINIMUM SPECIFICATIONS TO PROVIDE A COMPLETE, ADEQUATE AND SAFE WORKING CONDITION, THEN IT SHALL BE THE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE DRAWINGS. FOR EXAMPLE, IF AN ITEM AND/OR PIECE OF EQUIPMENT REQUIRES A LARGER WIRE SIZE (I.E. ELECTRICAL WIRE), STRONGER OR LARGER PIPING, INCREASED QUANTITY (I.E. STRUCTURAL ELEMENTS), REDUCED SPACING, AND/OR INCREASED LENGTH (I.E. BOLT LENGTHS, BAR LENGTHS) THEN IT SHALL BE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE BID/PROPOSAL. THESE DOCUMENTS ARE MEANT AS A GUIDE AND ALL ITEMS REASONABLY INFERRED SHALL BE DEEMED TO BE INCLUDED.
26. THESE CONTRACT DOCUMENTS AND SPECIFICATIONS SHALL NOT BE CONSTRUED TO CREATE A CONTRACTUAL RELATIONSHIP OF ANY KIND BETWEEN THE ARCHITECT AND THE CONTRACTOR.

LEGEND

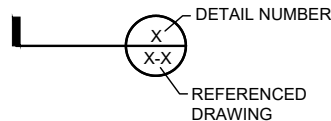
ABBREVIATIONS:

(E)	EXISTING
(P)	PROPOSED

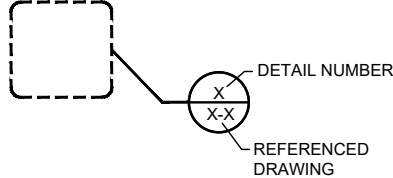
BUILDING/WALL/DETAIL SECTION:



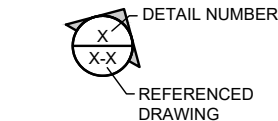
REFERENCE:



LARGE SCALE DETAIL:



ELEVATION REFERENCE:



LINE/ANTENNA NOTES

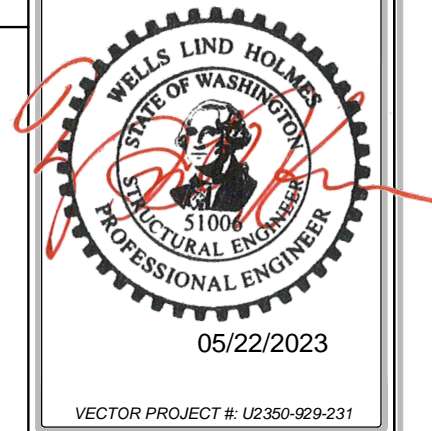
1. ALL THREADED STRUCTURAL FASTENERS FOR ANTENNA SUPPORT ASSEMBLES SHALL CONFORM TO ASTM A307 OR ASTM A36. ALL STRUCTURAL FASTENERS FOR STRUCTURAL STEEL FRAMING SHALL CONFORM TO ASTM A325. FASTENERS SHALL BE 5/8" MIN. DIA. BEARING TYPE CONNECTIONS WITH THREADS EXCLUDED FROM THE PLANE. ALL EXPOSED FASTENERS, NUTS, AND WASHERS SHALL BE GALVANIZED OTHERWISE NOTED. CONCRETE EXPANSION ANCHORS SHALL BE HILTI KWIK BOLTS UNLESS OTHERWISE NOTED. ALL ANCHORS INTO CONCRETE SHALL BE STAINLESS STEEL.
2. NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY MAGNETIC NORTH AND NOTIFY CONSULTANT OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
3. PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
4. THOROUGHLY REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTIONS.
5. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. ALL BENDS TO BE A MIN. OF 8" RADIUS.
6. FOR GROUNDING TO BUILDING FRAME AND HATCH PLATE GROUND BARS. USE A TWO-BOLT HOLE NEMA DRILLED CONNECTOR SUCH AS T&B 32007 OR APPROVED EQUAL.
7. FOR ALL EXTERNAL GROUND CONNECTIONS, CLAMPS AND CADWELDS, APPLY A LIBERAL PROTECTIVE COATING OR AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORN CHEMICAL COMPANY.
8. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY THERMO-WELDING. USE ERICO T-319 GALVANIZING BAR/COLD GALVANIZING PAINT.
9. SEAL ALL CONDUIT PENETRATIONS INTO MODULAR BUILDING WITH A SILICONE SEALANT AND ALL CONDUIT OPENINGS.
10. ANTENNAS AND COAX TO BE PROVIDED BY VERIZON WIRELESS, CONTRACTOR TO COORDINATE DELIVERY.

PROJECT INFORMATION

1. THIS IS AN UNMANNED FACILITY AND RESTRICTED ACCESS EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
2. VERIZON WIRELESS CERTIFIES THAT THIS TELEPHONE EQUIPMENT FACILITY WILL BE SERVICED ONLY BY VERIZON WIRELESS EMPLOYEE SERVICE PERSONNEL FOR REPAIR PURPOSES ONLY. THIS FACILITY IS UNOCCUPIED AND NOT DESIGNED FOR HUMAN OCCUPANCY THUS IT IS NOT OPEN TO THE PUBLIC.
3. THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY.
4. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
5. NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
6. NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
7. VERIZON WIRELESS MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

STANDARD STRUCTURAL STEEL NOTES

1. ALL METAL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATION GALVANIZED ASTM A123-A123M-02 UNLESS NOTED OTHERWISE.
2. STRUCTURAL TUBING MEMBERS SHALL CONFORM TO ASTM A500, GRADE B.
3. ALL WELDING SHALL BE DONE USING E70XX ELECTRODE AND WELDING SHALL CONFORM TO AISC AND AWS D1.1 WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN AISC "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION.
4. BOLTED CONNECTIONS SHALL USE BEARING TYPE GALV. ASTM A325 BOLTS (5/8" DIA. UNO) AND SHALL HAVE A MINIMUM OF TWO BOLTS U.N.O. AND SHALL INCLUDE HEAVY-HEX NUTS AND STANDARD CUT WASHERS.
5. NON-STRUCTURAL CONNECTIONS FOR HANDRAIL, LADDERS AND STEEL GRATING MAY USED 5/8" DIA. GALVANIZED ASTM A307 BOLTS U.N.O.
6. ALL STRUCTURAL PIPE ASTM A53 TYPE E OR S, GRADE B.
7. ALL OTHER STRUCTURAL STEEL SHAPES AND PLATES SHALL BE PER ASTM A36, U.N.O.



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0	05/18/23	KH	100% FINAL CD

CLIENT:



A&E CONSULTANT, SITE ACQUISITION AND PERMITTING:



STRUCTURAL ENGINEER:

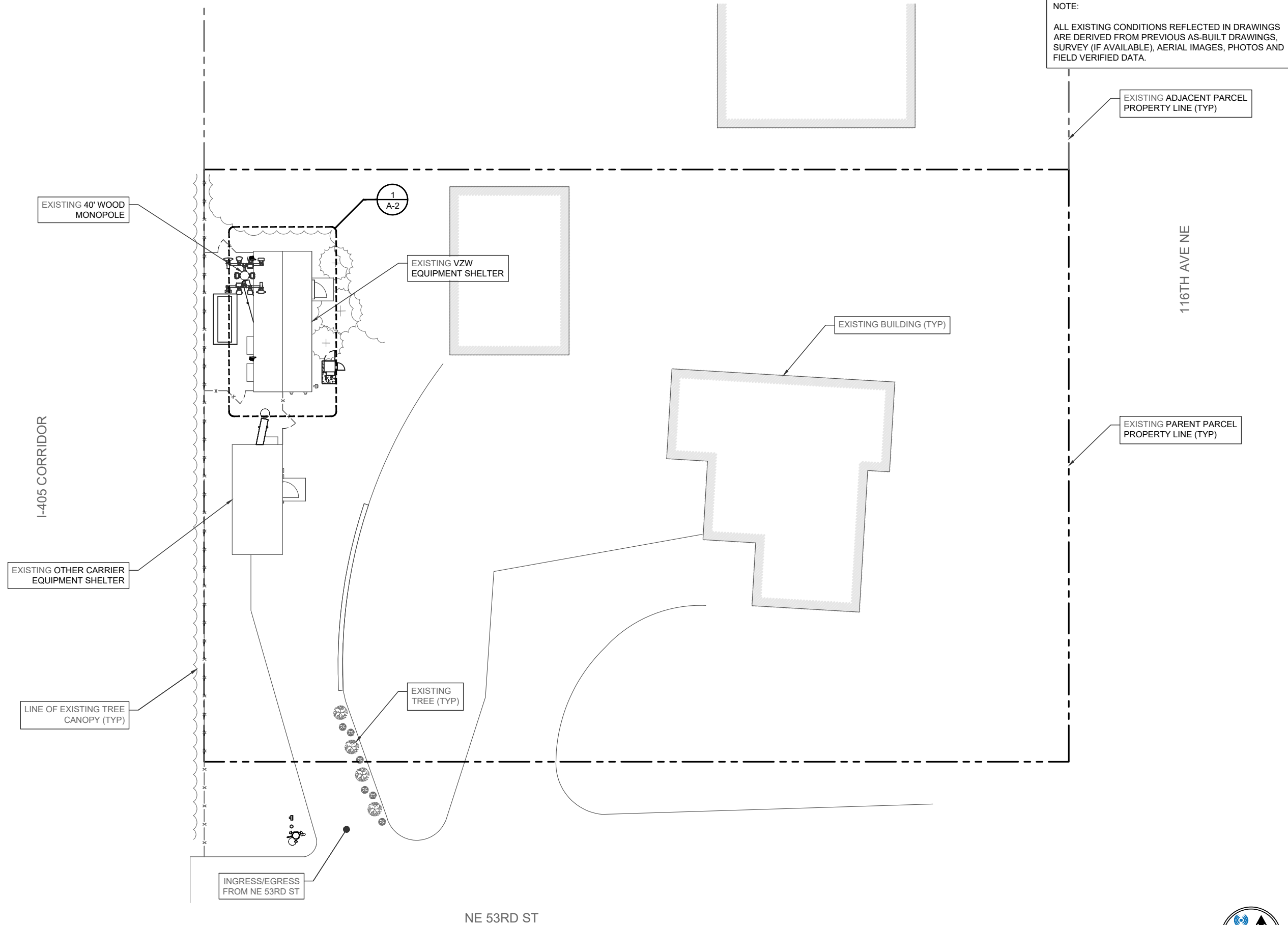


SEA BRIDLE TRAILS

5325 116TH AVE NE
KIRKLAND, WA 98033

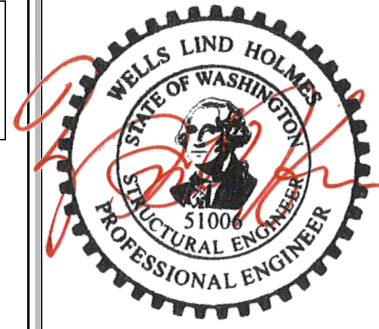
GENERAL NOTES AND SYMBOLS

T-2



NOTE:

ALL EXISTING CONDITIONS REFLECTED IN DRAWINGS ARE DERIVED FROM PREVIOUS AS-BUILT DRAWINGS, SURVEY (IF AVAILABLE), AERIAL IMAGES, PHOTOS AND FIELD VERIFIED DATA.



05/22/2023

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STRUCTURAL ENGINEER:

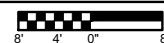


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OVERALL SITE PLAN

A-1



EXISTING 40' WOOD MONOPOLE

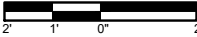
EXISTING VZW ICE
BRIDGE

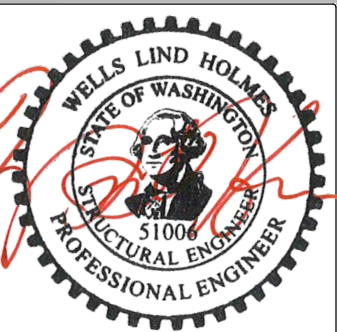
EXISTING VZW
GENERATOR

EXISTING VZW SHELTER

EXISTING FIBER CABINET

PROPOSED MW W/ODU (REFER TO
SHEET A-4 FOR DETAILS) TYP OF 2
PROPOSED SITEPRO1 MODEL #
SBWM (TYP OF 1 SET PER MW)





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STRUCTURAL ENGINEER:

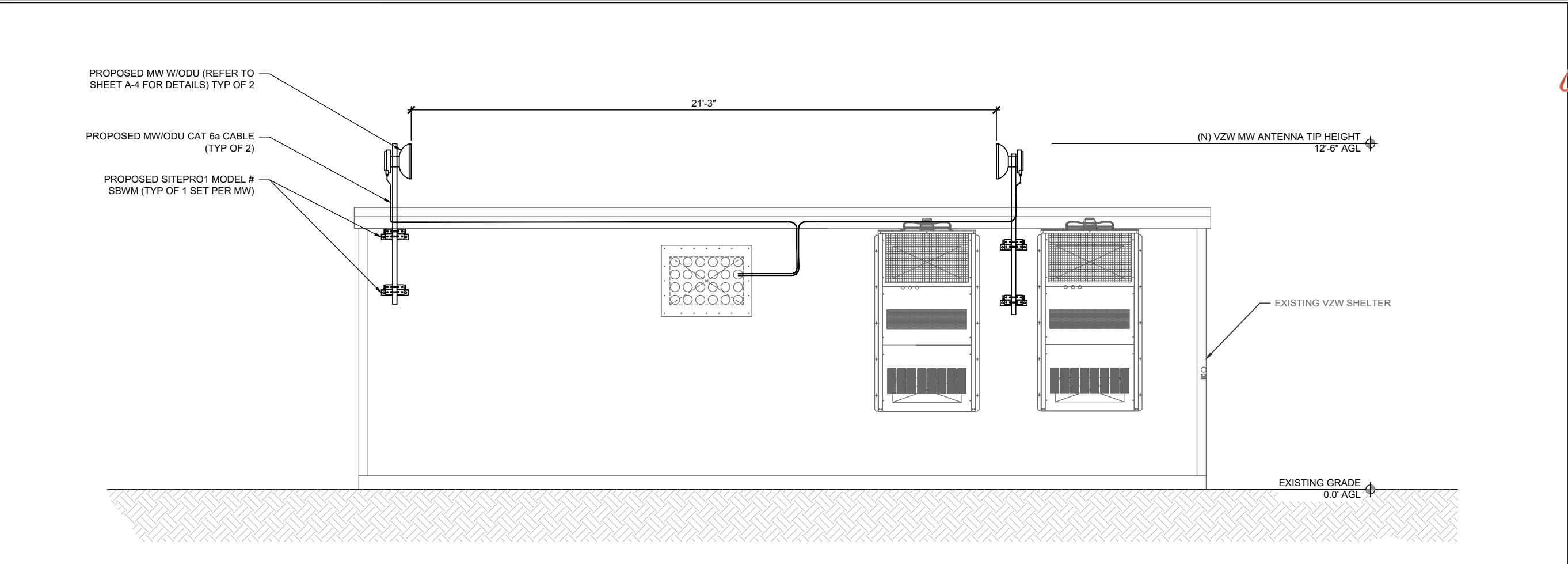


SEA
BRIDLE TRAILS

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ENLARGED
SITE PLAN

A-2

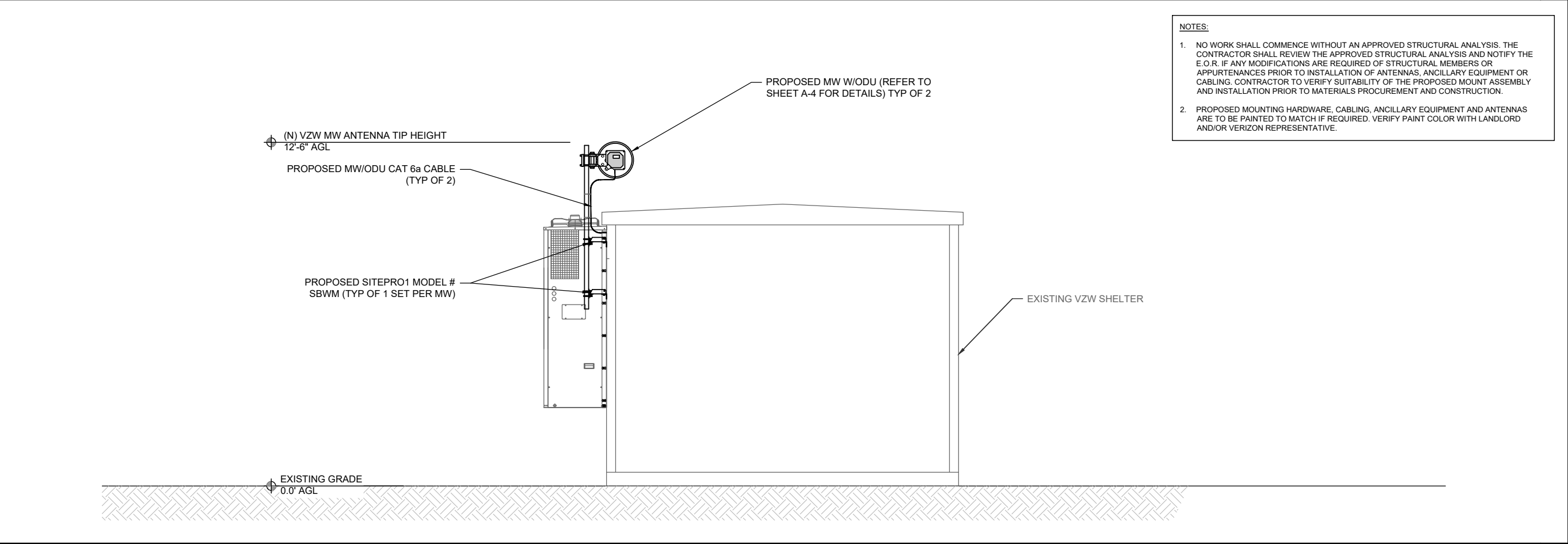


22"x34" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



SHELTER SIDE ELEVATION

1



- NOTES:
- NO WORK SHALL COMMENCE WITHOUT AN APPROVED STRUCTURAL ANALYSIS. THE CONTRACTOR SHALL REVIEW THE APPROVED STRUCTURAL ANALYSIS AND NOTIFY THE E.O.R. IF ANY MODIFICATIONS ARE REQUIRED OF STRUCTURAL MEMBERS OR APPURTENANCES PRIOR TO INSTALLATION OF ANTENNAS, ANCILLARY EQUIPMENT OR CABLING. CONTRACTOR TO VERIFY SUITABILITY OF THE PROPOSED MOUNT ASSEMBLY AND INSTALLATION PRIOR TO MATERIALS PROCUREMENT AND CONSTRUCTION.
 - PROPOSED MOUNTING HARDWARE, CABLING, ANCILLARY EQUIPMENT AND ANTENNAS ARE TO BE PAINTED TO MATCH IF REQUIRED. VERIFY PAINT COLOR WITH LANDLORD AND/OR VERIZON REPRESENTATIVE.

22"x34" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



SHELTER REAR ELEVATION

2

05/22/2023

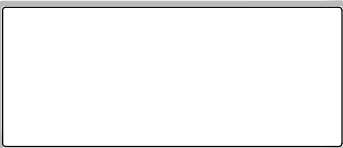
VECTOR PROJECT #: U2350-929-231

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STRUCTURAL ENGINEER:



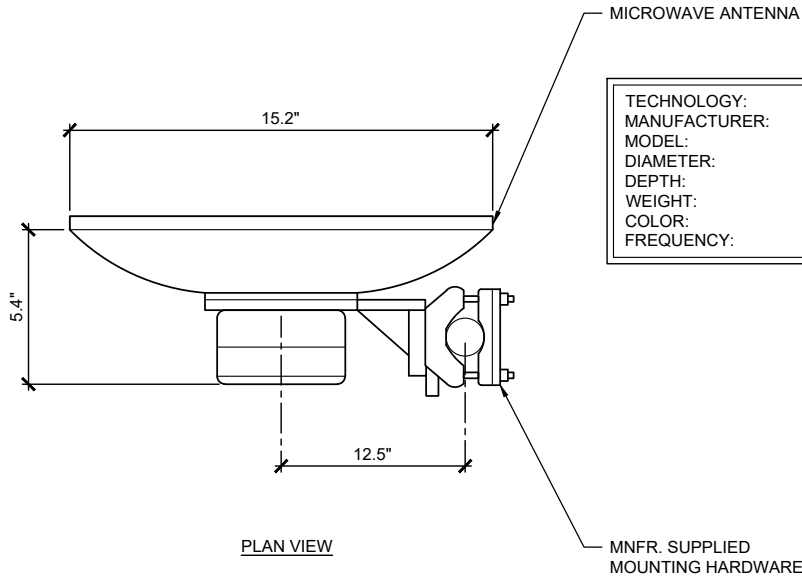
SEA BRIDLE TRAILS

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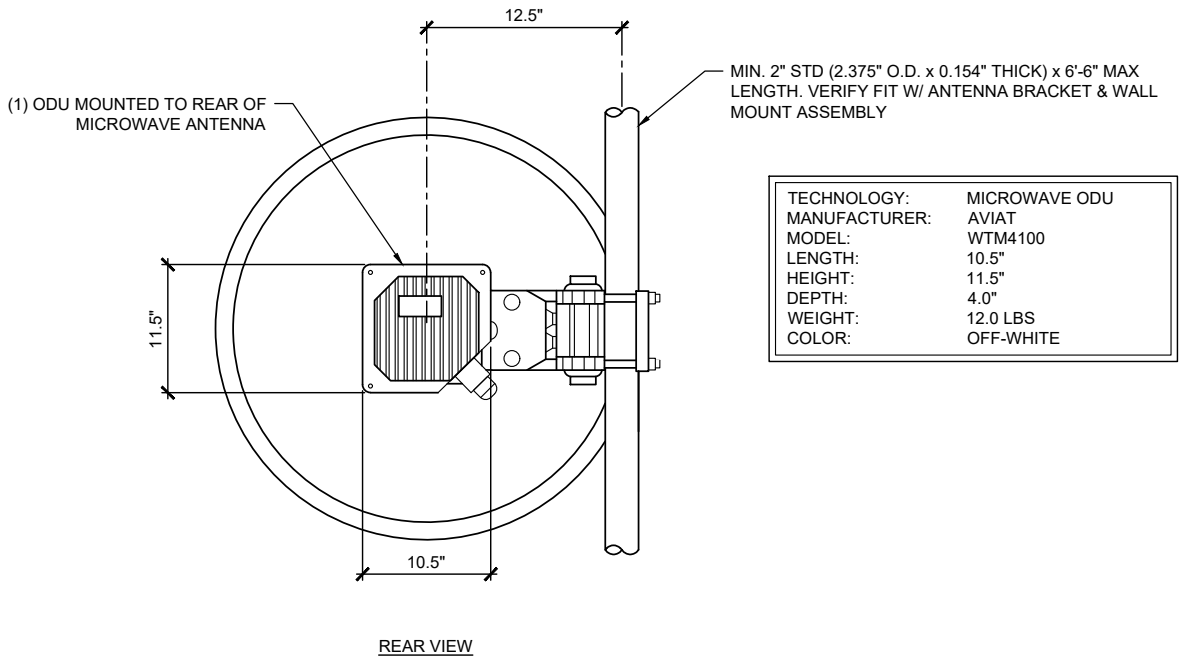
EXISTING AND PROPOSED ELEVATIONS

A-3

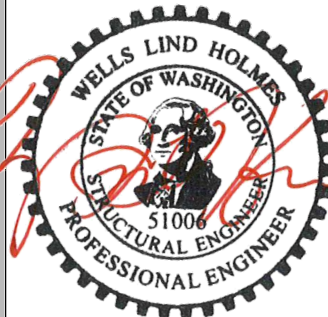
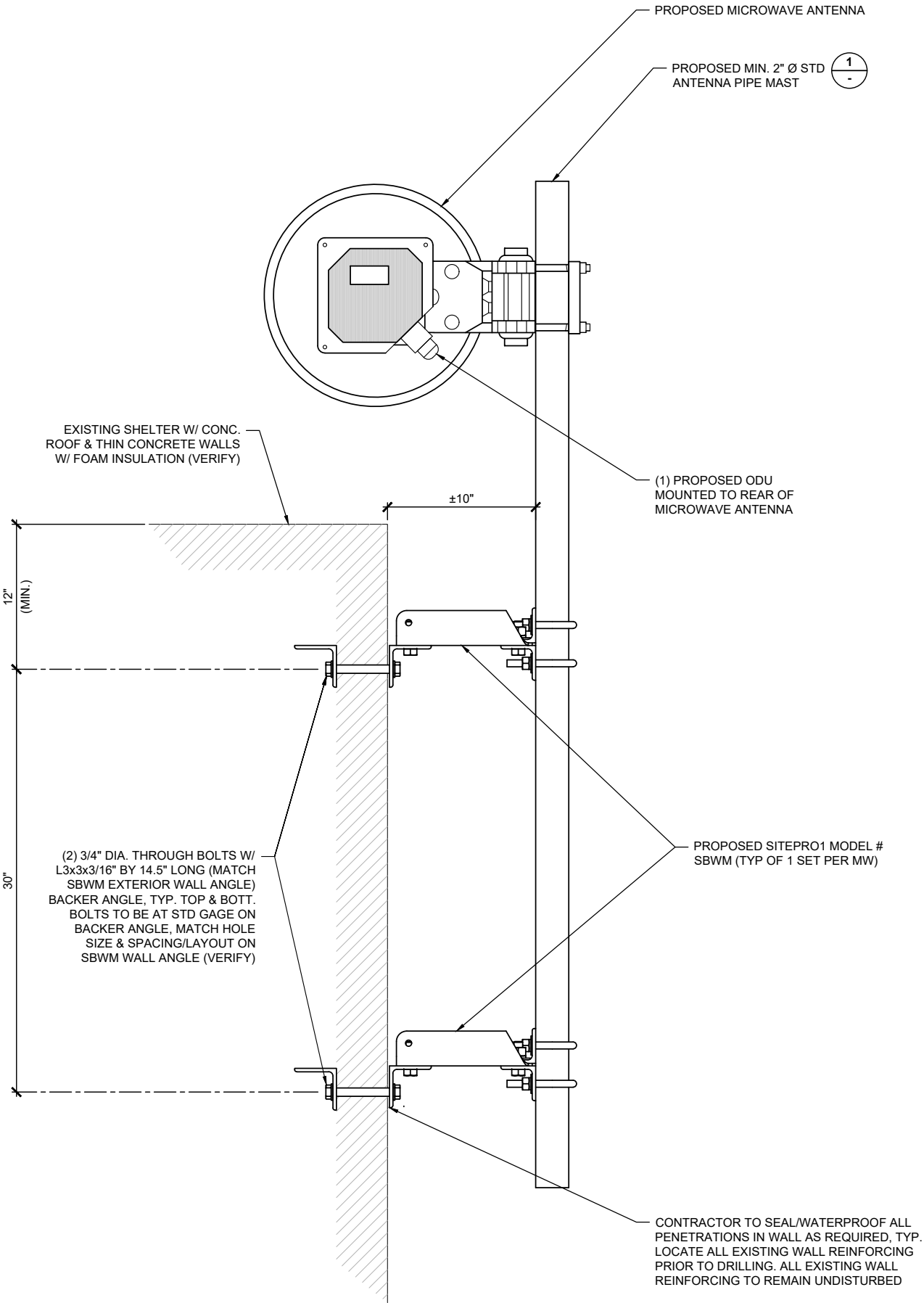
MICROWAVE ANTENNA AND ANCILLARY EQUIPMENT SCHEDULE										
MICROWAVE PATH	AZIMUTH	TIP HEIGHT	QTY.	TECH.	VENDOR	MODEL	VERTICAL ANGLE	NUMBER OF FEEDERS	FEEDER TYPE	FEEDER LENGTH
BRIDLE TRAILS	TBD	12'-6"	2	MW	SHENGLU	SLA0328S3S49A20	0.00°	1	CAT6a	±50.00'
	N/A	N/A	2	ODU	AVIAT	WTM4100	-	-	-	-



TECHNOLOGY:	MICROWAVE ANTENNA
MANUFACTURER:	SHENGLU
MODEL:	SLA0328S3S49A20
DIAMETER:	15.2"
DEPTH:	5.4"
WEIGHT:	±12 LBS (W/O MOUNT)
COLOR:	COOL GRAY
FREQUENCY:	27.5 - 29.5 GHZ



TECHNOLOGY:	MICROWAVE ODU
MANUFACTURER:	AVIAT
MODEL:	WTM4100
LENGTH:	10.5"
HEIGHT:	11.5"
DEPTH:	4.0"
WEIGHT:	12.0 LBS
COLOR:	OFF-WHITE



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SEA BRIDLE TRAILS

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MICROWAVE ANTENNA DETAILS

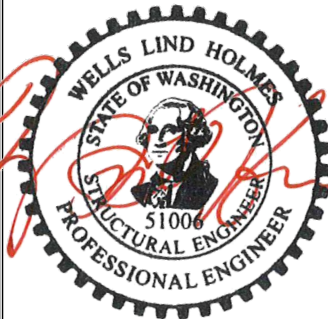
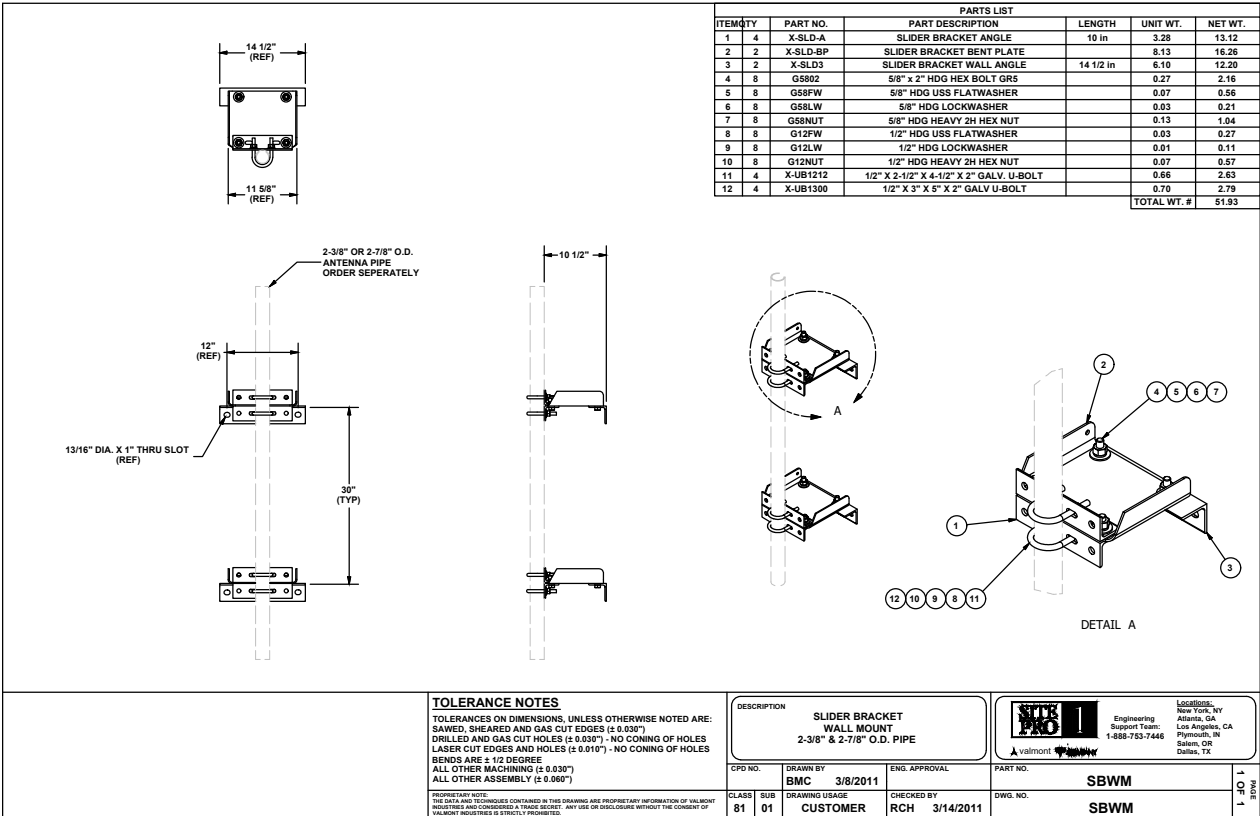
A-4

MicrowaveAntennaSpecifications

SLA0328S3S49A20
0.3mUltraHighPerformanceAntenna
FlangeTypeRectangular

ElectricalSpecifications					
Frequency(GHz)	27.5~29.5				
Polarization	Single(VorH)				
Gain,Low(dBi)	37.7				
Gain,Mid(dBi)	38				
Gain,Top(dBi)	38.3				
BeamWidth	2.0°				
Cross-pol.Discrimination_XPD(dB)	30				
F/BRatio(dB)	64				
VSWR/RL(dB)	1.3/17.7				
RegulatoryCompliance	ETSIEN302217Range4Class3				
MechanicalSpecifications					
Diameter(m)	0.3				
AntennaColor	CoolGray1C				
RadomeOptions	Foam				
InterfaceType	UBR320ORCustomized				
SideStruts,Included	0				
AzimuthAdjustment	Coarse:360°Fine:±15°				
ElevationAdjustment	Fine:±15°				
DiameterofMountingPole(mm)	Φ51~Φ114				
WindVelocitySurvivalRating(km/h)	252				
WindVelocityOperational(km/h)	200				
Ice-load(mm)	25.4				
OperationalTemperature()	-45~+60				
Packaging	Carton				
L×W×H(mm)	480*480*267				
WindLoadSpecifications					
AxialForce(N)@survivalwindspeed	444				
SideForce(N)@survivalwindspeed	219				
TwistingMoment(N•m)@survivalwindspeed	141				
	Dimensions (mm)	ΦA	B	C	D
		386	318	137	180
	Note:				
	1.ThevaluesofBandCaremeasuredatthepolediameterof114mm 2.ThethicknessoftheradomeisnotincludedinthedimensionsofAandC				

GuangdongShengluTelecommunicationTech.Co.,Ltd.Revision2.1 2020-Nov
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MW SPEC'S &
MOUNT DETAILS

A-5

Attachment 2



PERSONAL WIRELESS SERVICE FACILITY – ELIGIBLE FACILITY REQUESTS RESPONSE TO SUBSTANTIAL CHANGE CRITERIA QUESTIONNAIRE

Modifications that do not substantially change the physical dimensions of an existing tower or base station (structure, other than a tower, with wireless facilities in existence at the time of application) will be reviewed by the City as an Eligible Facility Modification. In order to determine that the proposed modification is not a substantial change, the City must receive a response that shows the proposed modification does not exceed any of the individual substantial change items.

The existing facility is a (choose one):

<input checked="" type="checkbox"/>	Tower outside the public right-of-way
<input type="checkbox"/>	Tower within the public right-of-way (including utility or light pole)
<input type="checkbox"/>	Building-mounted facility
<input type="checkbox"/>	Other:

Criteria #1:

- For towers outside of public rights-of-way, the modification does not increase the height of the tower by more than 10%, or by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty feet, whichever is greater;
- For those towers in the rights-of-way and for all base stations, it does not increase the height of the tower or base station by more than 10% or 10 feet, whichever is greater.

Existing height of facility	43'
Proposed Height of facility	43'

No change to the tower height.

For staff use only:

Substantial Change:

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

Criteria #2:

- For towers outside of public rights-of-way, the modification does not protrude from the edge of the tower more than 20 feet, or more than the width of the tower structure at the level of the appurtenance, whichever is greater;
- For those towers in the rights-of-way and for all base stations, the modification does not protrude from the edge of the structure more than 6 feet.

If tower, existing width of tower at level of antenna mount	
Greatest distance, in feet, between existing structure (tower, utility pole, building, etc.) and proposed antennas	

There are no changes to the existing tower

Tower is not in the ROW

For staff use only:

Substantial Change:

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

Criteria #3: If the installation includes new equipment cabinets, the modification does not include the installation of more than 4 equipment cabinets.

Number of new equipment cabinets	
----------------------------------	--

No changes to existing equipment cabinets

For staff use only:

Substantial Change:

Yes	
No	X

Criteria #4: For all existing facilities, the modification does not include excavation or equipment installation outside the current site of the tower or base station.

Will there be any excavation or equipment installation outside the current site?	
--	--

No excavation is required.

For staff use only:

Substantial Change:

Yes	
No	X

Criteria #5: For all existing facilities, the modification does not defeat the existing concealment elements of the tower or base station.

Please describe any existing and proposed concealment elements:

This project does not defeat any existing concealment elements

For staff use only:

Substantial Change:

Yes	
No	X

Criteria #6: For all existing facilities, the modification does not violate any of the conditions of approval (besides modification allowed under criteria #1-4) associated with prior approval(s).

Please describe how the modification will not violate any conditions of approval associated with the prior approval:

There are no known changes for the proposed sow that will impact the previous conditons of approval.

For staff use only:

Substantial Change:

Yes	
No	X