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PUGET SOUND EMERGENCY RADIO NETWORK (COLOCATION)

PROJECT SUMMARY CONT.

SITE NAME: HYAK
SITE ADDRESS: NF-906 SNOQUALMIE PASS
 KITTITAS COUNTY, WA 98068
LAND OWNER: STATE OF WASHINGTON
 DEPARTMENT OF TRANSPORTATION
JURISDICTION: KITTITAS COUNTY
MAP NUMBER: 22-11-15040-0005
PARCEL NUMBER: 028335
PARCEL SIZE: 412,948.8 SQ. FT. (9.48 ACRES)
ZONING: FOREST AND RANGE
OCCUPANCY: U (UNOCCUPIED)
CONSTRUCTION TYPE: V-B
NEW IMPERVIOUS SURFACES: N/A
PROJECT DESCRIPTION:
 (THE SCOPE OF WORK INCLUDES)
 NEW KING COUNTY PUGET SOUND EMERGENCY RADIO NETWORK (PSERN) 90' TOWER (60' EXISTING TOWER WITH A NEW 30' EXTENSION) AND ASSOCIATED EQUIPMENT TO PROVIDE EMERGENCY RADIO COMMUNICATIONS TO REACH AND COORDINATE WITH EMERGENCY RESPONDERS.
ADDITIONAL DOCUMENTS:
 CG ENGINEERING: STRUCTURAL CALCULATIONS DATED 06-20-2018

HYAK

NF-906 SNOQUALMIE PASS
 KITTITAS COUNTY, WA 98068

LATITUDE: 47° 23' 31.39" N (NAD 83)
 LONGITUDE: 121° 23' 17.00" W (NAD 83)
 GROUND ELEVATION: 2547.15' (NAVD 88)

AUG 20 2018

CONFIDENTIAL AND PROPRIETARY

SIGNATURE BLOCK

TITLE	SIGNATURE	DATE
CONSTRUCTION MANAGER		
RF ENGINEER		
REAL ESTATE		
SITE ACQUISITION		
PROPERTY OWNER		
TOWER OWNER		

AREA MAP



DRIVING DIRECTIONS:

- DEPART 401 ON 5TH AVE S (SOUTH)
- TURN RIGHT (WEST) ONTO S JACKSON ST
- TURN LEFT (SOUTH-EAST) ONTO 2ND AVE EXT S [2ND AVENUE EXT S], THEN IMMEDIATELY BEAR RIGHT
- (SOUTH) ONTO 4TH AVE
- ROAD NAME CHANGES TO WA-519 [4TH AVE S]
- KEEP STRAIGHT ONTO 4TH AVE S
- KEEP RIGHT ONTO RAMP
- TURN LEFT (EAST) ONTO EDGAR MARTINEZ DR S [S ATLANTIC ST]
- TAKE RAMP ONTO I-90
- AT EXIT 54, TURN RIGHT ONTO RAMP HYAK / GOLD CR.
- TURN RIGHT (SOUTH) ONTO WA-906
- TURN LEFT (EAST) ONTO WA-906 [SR 906]
- TURN LEFT (EAST) ONTO LOCAL ROAD(S)
- ARRIVE 47.39205°N 121.38806°W

WASHINGTON STATE CODE COMPLIANCE:
 2015 IBC, STANDARDS AND AMENDMENTS, WAC 51-50
 2015 IMC, STANDARDS AND AMENDMENTS, WAC 51-52
 2015 IFC, STANDARDS AND AMENDMENTS, WAC 51-54A
 2017 NEC, STANDARDS AND AMENDMENTS, WAC 296-46B
 2015 IECC/WASHINGTON STATE ENERGY CODE, WAC 51-11C

PROJECT SUMMARY

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PROJECT MANAGER: LM

PREPARED BY: AIO

APPROVED BY: GJV

07-16-18	ISSUED FOR PRELIM REVIEW
06-22-18	ISSUED FOR PRELIM REVIEW

PLAN REVIEWERS SIGNATURE

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T-1.0

CONTRACTOR NOTES:

THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.

GENERAL NOTES:

DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.

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

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

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

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

ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.

THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.

ANTENNA SUPPORTING TOWER IS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION SUB-CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF PERSONNEL AND PROPERTY FROM HAZARDOUS EXPOSURE TO OVERHEAD DANGERS.

GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.

DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.

THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION UPON COMPLETION OF WORK. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.

CONTRACTOR SHALL ENSURE THE GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.

THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND NATIONAL CODES, REGULATIONS AND SAFETY REGULATIONS, ALL OSHA REGULATIONS, ALL PUBLIC AND MUNICIPAL AUTHORITIES, AND ANY UTILITY COMPANIES' REGULATIONS AND DIRECTIVES.

THE DRAWINGS AND SPECIFICATIONS ARE A GENERAL DIRECTIVE FOR THE SCOPE OF WORK. EXACT DIMENSIONS AND LOCATIONS MAY CHANGE IN THE FIELD. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS AND LOCATIONS AND REPORT ANY AND ALL DISCREPANCIES TO REPRESENTATIVE. ANY MINOR ERRORS AND OMISSIONS IN THE DRAWINGS AND SPECIFICATIONS DOES NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.

CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS TO CONFIRM LENGTHS OF CABLE TRAYS AND ELECTRICAL LINES AND ANTENNA MOUNTING.

VERIFICATION THAT EXISTING TOWER/POLE/STRUCTURE CAN SUPPORT THE PROPOSED ANTENNA, COAX & ADDITIONAL EQUIPMENT LOADING IS TO BE DONE BY OTHERS.

CIVIL NOTES:

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND STIPULATED IN THE SPECIFICATION PROJECT SUMMARY.
2. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE COMMUNICATIONS EQUIPMENT, TOWER AREAS, AND ADJACENT BUILDINGS.
4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
5. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO THE CRUSHED STONE APPLICATION.

SUBGRADE AND BASE PREPARATION:

1. FOR SLAB-ON-GRADE CONSTRUCTION IT WILL BE NECESSARY TO OVEREXCAVATE THE SITE BY 2'-0" AND IMPORT AN APPROVED GRANULAR FILL. THE FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY UNIT WEIGHT WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557). COMPACTION REQUIREMENTS APPLY TO BACKFILL FOR UTILITY TRENCHES AND FOUNDATION EXCAVATIONS WITHIN STRUCTURES, DRIVEWAYS, OR PARKING LOT AREAS.
2. COMPACTION SHALL BE ACCOMPLISHED BY PLACING THE FILL IN SUCCESSIVE, HORIZONTAL, APPROXIMATELY SIX- TO EIGHT-INCH LOOSE LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY.
3. ANY ORGANIC MATERIAL, DELETERIOUS MATERIAL, OR DISTURBED SOIL SHALL BE REMOVED FROM FLATWORK AREAS.
4. THE GROUND SURFACE SURROUNDING EXTERIOR STRUCTURES SHALL BE SLOPED TO DRAIN AWAY IN ALL DIRECTIONS.

CONCRETE NOTES:

REFER TO STRUCTURAL DRAWINGS.

METAL NOTES:

PART 1 -- GENERAL

1. SECTION INCLUDES: STRUCTURAL STEEL FRAMING MEMBERS, BASE PLATES, PLATES, BARS AND GROUTING UNDER BASE PLATES.
2. SUBMITTALS: SHOP DRAWINGS: INDICATE SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS, OPENINGS, CONNECTIONS, CAMBERS, LOADS, AND WELDED SECTIONS.
3. QUALITY ASSURANCE
 - A. FABRICATE STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
 - B. PERFORM DESIGN UNDER DIRECT SUPERVISION OF A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE.

PART 2 -- PRODUCTS

1. MATERIALS:
 - A. STRUCTURAL STEEL MEMBERS: ASTM A572, GRADE 50
 - B. STRUCTURAL TUBING: ASTM A500, GRADE B
 - C. PIPE: ASTM A53, TYPE E OR S, GRADE B
 - D. BOLTS, NUTS, AND WASHERS: ASTM A325
 - E. ANCHOR BOLTS: ASTM A307
 - F. WELDING MATERIALS: AWS D1.1, TYPE REQUIRED FOR MATERIALS BEING WELDED
 - G. GROUT: NON-SHRINK TYPE, PREMIXED COMPOUND CONSISTING OF NONMETALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7000 psi AT 28 DAYS.
 - H. SHOP AND TOUCH-UP PRIMER: SSPC 15, TYPE 1, RED OXIDE
 - I. TOUCH-UP PRIMER FOR GALV. SURFACES: ZINC RICH TYPE

2. FABRICATION: CONTINUOUSLY SEAL JOINTED MEMBERS BY CONTINUOUS WELDS. GRIND EXPOSED WELDS SMOOTH.
3. FINISH:
 - A. PREPARE STRUCTURAL COMPONENT SURFACES IN ACCORDANCE WITH SSPC SP-1 TO SP-10 PROCEDURES.
 - B. STRUCTURAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED.

PART 3 -- EXECUTION

1. EXAMINATION AND PREPARATION: VERIFY THAT THE FIELD CONDITIONS ARE ACCEPTABLE.
2. ERECTION:
 - A. ALLOW FOR ERECTION LOADS. PROVIDE TEMPORARY BRACING TO MAINTAIN FRAMING IN ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRIDGING AND BRACING.
 - B. FIELD WELD COMPONENTS INDICATED ON SHOP DRAWINGS.
 - C. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER.
 - D. AFTER ERECTION, TOUCH-UP WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED OR GALVANIZED WITH TOUCH-UP PRIMERS AS SPECIFIED UNDER SECTION 05000--METALS, PART 2 -- PRODUCTS, H & I. SURFACES TO BE IN CONTACT WITH CONCRETE NOT INCLUDED.
3. FIELD QUALITY CONTROL: FIELD INSPECTION OF MEMBERS, CONNECTIONS, WELDS AND TORQUING.

ELECTRICAL NOTES:

INSTALLATION OF SECONDARY POWER AND CONNECTION TO METER SHALL BE COMPLETED IN COMPLIANCE WITH NATIONAL ELECTRIC CODE, NFPA 70, AND THE STATE LAWS, RULES AND REGULATIONS FOR INSTALLING ELECTRIC WIRES & EQUIPMENT, ALL LATEST ISSUE, AND WITH SPECIFICATIONS PER A.S.T.M. B 231, B 400, I.C.E.A. S651-401, I.C.E.A. PB1-570, & LOCAL PUD.

PROVIDE A METER BASE PER LOCAL UTILITY STANDARDS. MOUNT ON SIDE OF OWNER FURNISHED BACK BOARD.

UNDERGROUND CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE CONDUIT: SCHEDULE 40, TYPE 1, CONFORMING TO UL ARTICLE 651; WESTERN PLASTICS OR CARLON MANUFACTURER. COUPLINGS SHALL BE SLIP-ON, SOLVENT SEALED T PIPE: SOLVENT, WESTERN TYPE COMPATIBLE WITH PVC DUCT. ALL BENDS SHALL BE "WIDE SWEEP" TYPE WITH A 24" MINIMUM RADIUS. ALL CONDUIT UNDER ROADS SHALL BE RGS, (OR PVC ENCASED IN 8"x18" RED CONCRETE DUCTBANK).

CONDUIT USED INDOORS SHALL BE E.M.T., AND RIGID GALVANIZED STEEL FOR OUTDOORS. COUPLINGS SHALL BE RIGID STEEL AND COMPRESSION TYPE FOR E.M.T. SET SCREW FITTINGS ARE NOT PERMITTED. FOR ALL STUBS-UPS, USE RIGID GALVANIZED STEEL CONDUIT.

WIRE AND CABLE SHALL BE OF THE TYPE AND SIZE AS REQUIRED BY NEC. THERE WILL BE NO SPLICES ALLOWED. PROVIDE HDPE PULLING HAND HOLES AS NEEDED.

CONTRACTOR SHALL PROVIDE TEST OF THE GROUNDING SYSTEM BY CERTIFIED TESTING AGENT. PROVIDE INDEPENDENT TEST RESULTS TO THE PROJECT REPRESENTATIVE FOR REVIEW. GROUNDING SYSTEM RESISTANCE TO GROUND SHALL NOT EXCEED 5 OHMS. ALL ABOVE GRADE INTERIOR GROUNDING CONNECTORS SHALL BE DOUBLE-LUG COMPRESSION TYPE. ALL BELOW GRADE AND EXPOSED EXTERIOR GROUNDING CONNECTIONS TO PERMANENT EQUIPMENT AND FIXED BUILDING ELEMENTS SHALL BE CADWELD TYPE. CARE SHALL BE TAKEN TO REVIEW CONNECTION LOCATIONS AND MATERIAL TYPES TO AVOID POSSIBLE GALVANIC CORROSION. ALL EXPOSED GROUNDING CONNECTIONS TO BE COATED WITH ANTI-CORROSIVE AGENT SUCH AS "NO-OXY", "NOAOLX" OR "PENETROX". VERIFY PRODUCT WITH PROJECT REPRESENTATIVE. ALL BOLTS, WASHERS AND NUTS USED ON GROUNDING CONNECTIONS SHALL BE STAINLESS STEEL.

ALL EXTERIOR GROUND BARS SHALL BE COATED WITH ANTI-CORROSIVE AGENT SUCH AS LPS-3 OR AS PER NOTE 6 ABOVE.

ALL JUNCTION AND OUTLET BOXES TO BE LABELED WITH KROY TAPE, OR EQUAL, DESIGNATING ALL CIRCUIT NUMBERS CONTAINED IN EACH BOX.

CONTRACTOR TO ENSURE ILC PROVIDED WITH (2) INTERNAL TVSS.

CONTRACTOR SHALL COORDINATE WITH SITE SURVEY TO LOCATE EXISTING UNDERGROUND UTILITIES. WHEREVER POTENTIAL CONFLICTS/ INTERFERENCES EXIST, HAND EXCAVATE TO AVOID DAMAGE. CONTACT ALL UTILITIES TO LOCATE UNDERGROUND PIPING IN PUBLIC ROW.

VERIFY THAT A.I.C. OF THE UTILITY DOES NOT EXCEED THE A.I.C. RATING OF THE PROVIDED EQUIPMENT SHELTER PACKAGE. IF OVER 10KAIC, PROVIDE FUSIBLE SERVICE ENTRANCE SWITCH AND CONFIRM LOWERING OF AIC TO ACCEPTABLE LEVELS.

UTILITY POINTS OF SERVICE AND WORK / MATERIALS SHOWN ARE BASED UPON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.

CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK / MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL ROPES, CABLES, PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT (IF REQUIRED), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, PAY ALL UTILITY COMPANY FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.

GROUNDING NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
4. ALL GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMIC (CADWELD).
5. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR & EXTERIOR) SHALL BE FORMED USING TWO (2) HIGH PRESS CRIMPS, UNLESS NOTED OTHERWISE.
6. ALL EXOTHERMIC CONNECTIONS TO THE GROUND RODS SHALL START AT THE TOP & HAVE A VERTICAL SEPARATION OF 6" FOR EVERY ADDITIONAL CONNECTION.
7. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
8. ALL EXTERIOR GROUND CONDUCTORS SHALL BE #2 AWG SOLID TIN PLATED COPPER UNLESS OTHERWISE INDICATED.
9. GROUND RODS SHALL BE STAINLESS STEEL OR COPPER CLAD STEEL, 5/8" 10-FT. LONG (OR NOTED OTHERWISE ON PLANS), AND SHALL BE DRIVEN VERTICALLY WITH THEIR TOPS 30" BELOW FINAL GRADE OR 6" BELOW FROST LINE FOR MAXIMUM DEPTH.
10. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
11. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
12. GROUND RING SHALL BE LOCATED A MINIMUM OF 30" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
13. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE PAD, SPREAD FOOTING, OR FENCE.
14. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
15. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING
16. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM)
17. MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED 5 OHMS.
18. CONTRACTOR TO VERIFY CURRENT GROUNDING STANDARDS PRIOR TO CONSTRUCTION.

1 GENERAL NOTES



King County
PSE&N
 PUGET SOUND EMERGENCY
 RADIO NETWORK
 Coverage • Capacity • Capability • Connectivity

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PROJECT MANAGER: LM

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APPROVED BY: GJV

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PLAN REVIEWERS SIGNATURE



AUG 20 2018

PROFESSIONAL STAMP

SHEET NAME
GENERAL NOTES

SHEET NUMBER
SP-1.0

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

STEEL SPECIAL INSPECTIONS AISC 360 - TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING			
INSPECTION TASKS PRIOR TO BOLTING	QC	QA	
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	O	
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	
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O	

AISC 360 - 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 RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O	

AISC 360 - TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING			
INSPECTION TASKS AFTER BOLTING	QC	QA	
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P	

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.
 O = OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
 P = PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.

IBC 1704.6 STRUCTURAL OBSERVATIONS	
STRUCTURAL OBSERVATIONS FOR SEISMIC RESISTANCE - STRUCTURE IS CLASSIFIED AS RISK CATEGORY IV.	
STRUCTURAL OBSERVATIONS FOR WIND REQUIREMENTS - STRUCTURE IS CLASSIFIED AS RISK CATEGORY IV.	

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC 110 AND CH. 17 SHALL BE PERFORMED (AS REQUIRED) BY A QUALIFIED TESTING AGENCY APPROVED BY THE ARCHITECT/ENGINEER. INSPECTION AGENCY SHALL BE RETAINED BY THE PROJECT OWNER OR THEIR RESPONSIBLE CHARGE, THE ARCHITECT, ENGINEER OF RECORD, AND BUILDING DEPARTMENT SHALL RECEIVE COPIES OF ALL INSPECTION AND TEST RESULTS. REFER TO DOCUMENTS FOR SPECIFIC INFORMATION.

NOTE: THE SPECIAL INSPECTIONS CONTAINED HEREIN ARE REQUIRED FOR THE TOWER UPGRADE ANALYSIS (NWTE PROJECT NO.: 181700.2-REV1) FOR THIS PROJECT.

TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION				
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND C. INSPECT ALL OTHER WELDS.	X	X	AWS D1.4 ACI 318: 26.6.4	-
3. INSPECT ANCHORS IN CAST CONCRETE.	-	X	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	X	X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	-
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS.	X X	-	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: 26.8	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2	-

TABLE 1705.7 REQUIRED SPECIAL INSPECTIONS AND TESTS OF DRIVEN DEEP FOUNDATION ELEMENTS		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.	X	-
2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	X	-
3. INSPECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	-
4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.	X	-
5. FOR STEEL ELEMENTS, PERFORM ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.	-	-
6. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.	-	-
7. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.	-	-

TABLE 1705.8 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	-
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE), AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	-
3. FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.	-	-



HYAK
(COLLOCATION)
NF-908 SNOQUALMIE PASS,
WA 98088
KITITITAS COUNTY

ODEJA PACIFIC CORPORA
5508 8TH AVE. S, SUITE 202
SEATTLE, WA 98108
PHONE: (206) 490-3828
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CAMP+
ASSOCIATES
19401 40TH AVE. W, SUITE 304
LYNNWOOD, WA 98036
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WWW.CAMPASSOC.COM

PROJECT MANAGER: LM

PREPARED BY: AIO

APPROVED BY: GJV

07-16-18	ISSUED FOR PRELIM REVIEW
06-22-18	ISSUED FOR PRELIM REVIEW

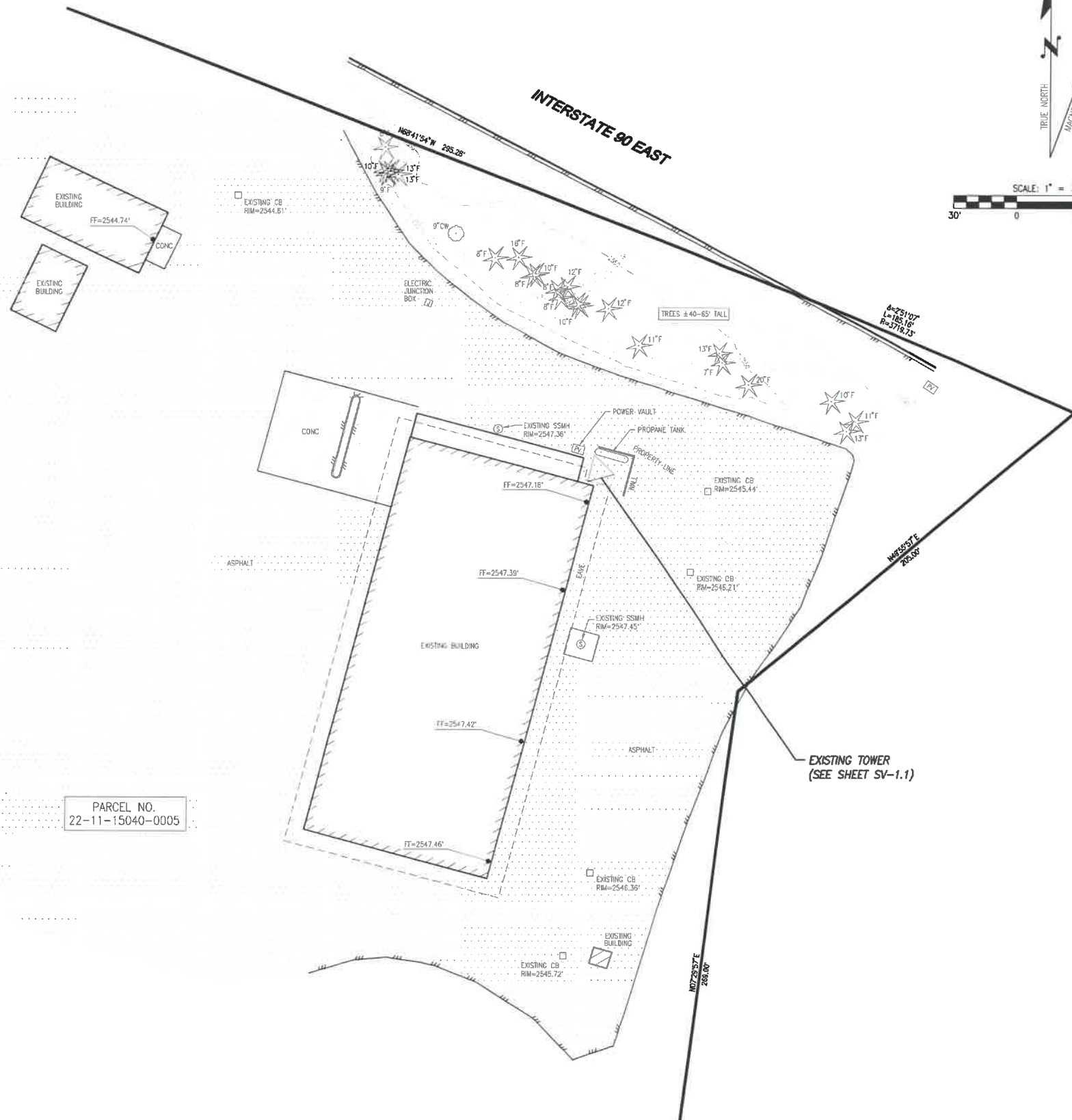
PLAN REVIEWERS SIGNATURE
AUG 20 2018

PROFESSIONAL STAMP

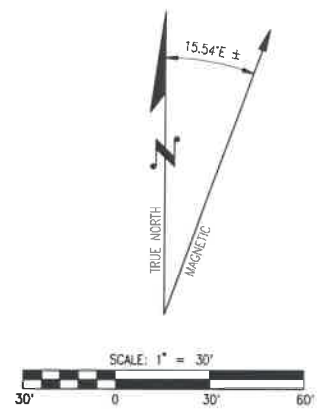
SHEET NAME
SPECIAL INSPECTIONS

SHEET NUMBER
SP-2.0

PSERN HYAK
W 1/2, SE 1/4, SEC. 15, T 22 N, R 11 E, W.M.
KITITITAS COUNTY, WASHINGTON



PARCEL NO.
22-11-15040-0005



VICINITY MAP
NOT TO SCALE

PROJECT INFORMATION

SITE NAME:	PSERN HYAK	GROUND ELEVATION:	2547.15' (CENTER OF EXISTING TOWER)
SITE ADDRESS:	NF-906 SNOQUALMIE PASS KITITITAS COUNTY WA 98068	SITE BENCHMARK:	TOP OF CATCH BASIN AS SHOWN ON PLAN EL=2545.44'
OWNERS NAME:	STATE OF WASHINGTON DEPARTMENT OF TRANSPORTATION	VERTICAL DATUM:	NAVD 88 BASED ON GPS OBSERVATION
OWNERS ADDRESS:	3909 BUDROW RD UNION WA, WA	BASIS OF BEARINGS:	WASHINGTON STATE PLANE, SOUTH ZONE, NAD 83
PARCEL NUMBER(S):	028335		
PARCEL AREA:	±9.48 ACRES		
PROJECT LEASE AREA:	N/A		
TOWER COORDINATES:	47°23'51.39" N (47.392053° N) 121°23'17.00" W (121.388056° W)		

SURVEYOR'S NOTES

- TITLE REPORT FROM AMERTITLE (FILE NO: 1842054M / DATE: AUGUST 9, 2017)
- LATITUDE AND LONGITUDE TAKEN AT EXISTING POLE.
- MAGNETIC NORTH DECLINATION OF APPROXIMATELY 15.54°E FOR THE DATE OF 8-15-17, COMPILED BY USING THE MAGNETIC FIELD CALCULATOR ON THE NOAA NATIONAL GEOPHYSICAL DATA CENTER WEBSITE AND DOES NOT ACCOUNT FOR ANY LOCAL VARIATION OR ANOMALY.
- SOUTHERLY RIGHT-OF-WAY MARGIN OF I-90 E AND NORTHERLY BOUNDARY LINE OF SUBJECT PARCEL HAS BEEN APPROXIMATED FROM RESOT PLAN TITLED "I-90 HIGHWAY TO SNOQUALMIE VICINITY PHASE 1B - ADD LANES AND BRIDGES" SIGNED AND DATED 12-3-09.

UTILITY NOTE

THE LOCATION OF EXISTING UTILITY FACILITIES HAS NOT BEEN RESEARCHED. SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT THE "ONE-CALL SERVICES" AND ANY OTHER AFFECTED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION, REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF BURIED OBJECTS WHICH ARE NOT SHOWN ON THE MAP.

BOUNDARY DISCLAIMER

THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF PARTIES WHOSE NAMES APPEAR HEREON ONLY, AND DOES NOT EXTEND TO ANY UNNAMED THIRD PARTIES WITHOUT EXPRESS RECERTIFICATION BY THE LAND SURVEYOR. BOUNDARY LINES SHOWN AND CORNERS SET REPRESENT DEED LOCATIONS; OWNERSHIP LINES MAY VARY. NO GUARANTEE OF OWNERSHIP IS EXPRESSED OR IMPLIED.

BASIS OF ELEVATION

ELEVATION ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS, APPLYING GROUND 128 SEPARATIONS USING WSP RTK NETWORK SOLUTION. ACCURACY MEETS OR EXCEEDS 1A STANDARDS AS DEFINED ON THE FIM ASAC INFORMATION SHEET 91-003.

BASIS OF BEARING

GEODETIC BEARING PER GPS OBSERVATION.

SURVEY DATE

AUGUST 15, 2017

LEGEND

- CB CATCH BASIN
- JUNCTION BOX
- ⊙ SSMH SEWER MANHOLE
- ⊙ PV POWER VAULT
- ★ XX TREE CONIFEROUS
- XX TREE DECIDUOUS
- CONTOUR MAJOR
- CONTOUR MINOR



LDC Commercial Infrastructure Residential Telecom
THE CIVIL ENGINEERING GROUP
14201 NE 200th St, #100 Ph. 425.806.1689
Woodinville, WA 98072 Fx. 425.482.2853
www.LDCcorp.com

DATE: 8-28-17
DRAWN BY: NY
CHECKED BY: VJT

REVISIONS			
REV	DATE	DESCRIPTION	BY



SITE
PSERN
HYAK
NF-906 SNOQUALMIE PASS
KITITITAS COUNTY WA

SHEET TITLE
CIVIL SURVEY

SHEET NUMBER
SV-1.0

PSERN HYAK

W 1/2, SE 1/4, SEC. 15, T 22 N, R 11 E, W.M.
KITITAS COUNTY, WASHINGTON

SERVIENT PARCEL DESCRIPTION

AMERITITLE
FILE NO.: 1842054M
DATE: AUGUST 9, 2017

PARCEL B OF THAT CERTAIN SURVEY AS RECORDED AUGUST 23, 1994, IN VOLUME 20 OF SURVEYS, PAGE 58, UNDER AUDITOR'S FILE NO. 574193, RECORDS OF KITITAS COUNTY, WASHINGTON; BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 15, TOWNSHIP 22 NORTH, RANGE 11 EAST, W.M., IN THE COUNTY OF KITITAS, STATE OF WASHINGTON.

SCHEDULE B - TITLE EXCEPTIONS

AMERITITLE
FILE NO.: 1842054M
DATE: AUGUST 9, 2017

1. TAXES OR ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LIENS BY THE RECORDS OF ANY TAXING AUTHORITY THAT LEVIES TAXES OR ASSESSMENTS ON REAL PROPERTY OR BY THE PUBLIC RECORDS. PROCEEDINGS BY A PUBLIC AGENCY WHICH MAY RESULT IN TAXES OR ASSESSMENTS, OR NOTICES OF SUCH PROCEEDINGS, WHETHER OR NOT SHOWN BY THE RECORDS OF SUCH AGENCY OR BY THE PUBLIC RECORDS.
2. ANY FACTS, RIGHTS, INTERESTS, OR CLAIMS WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS, BUT WHICH COULD BE ASCERTAINED BY AN INSPECTION OF THE LAND OR BY MAKING INQUIRY OF PERSONS IN POSSESSION THEREOF.
3. EASEMENTS, LIENS OR ENCUMBRANCES, OR CLAIMS THEREOF, WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS.
4. DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGES IN AREA, ENCRoACHMENTS, OR ANY OTHER FACTS WHICH A CORRECT SURVEY WOULD DISCLOSE, AND WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS.
5. (A) UNPATENTED MINING CLAIMS; (B) RESERVATIONS OR EXCEPTIONS IN PATENTS OR IN ACTS AUTHORIZING THE ISSUANCE THEREOF; (C) WATER RIGHTS, CLAIMS OR TITLE TO WATER.
6. ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR, OR MATERIAL HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS.
7. ANY LIEN FOR SERVICE, INSTALLATION, CONNECTION, MAINTENANCE, TAP, CAPACITY OR CONSTRUCTION OR SIMILAR CHARGES FOR SEWER, WATER, ELECTRICITY, NATURAL GAS OR OTHER UTILITIES, OR FOR GARBAGE COLLECTION AND DISPOSAL NOT SHOWN BY THE PUBLIC RECORDS.
8. INDIAN TRIBAL CODES OR REGULATIONS, INDIAN TREATY OR ABORIGINAL RIGHTS, INCLUDING EASEMENTS OR EQUITABLE SERVITUDES.
9. GENERAL TAXES AND ASSESSMENTS - TOTAL DUE MAY INCLUDE FIRE PATROL ASSESSMENT, WEED LEVY ASSESSMENT AND/OR IRRIGATION ASSESSMENT, IF ANY, TAXES NOTED BELOW DO NOT INCLUDE ANY INTEREST OR PENALTIES WHICH MAY BE DUE AFTER DELINQUENCY.

NOTE: TAX YEAR RUNS JANUARY THROUGH DECEMBER WITH THE FIRST HALF BECOMING DELINQUENT MAY 1ST AND SECOND HALF DELINQUENT NOVEMBER 1ST IF NOT PAID. FOR MOST CURRENT TAX INFORMATION OR TAX PRINTOUTS VISIT: OR CALL THEIR OFFICE AT (509) 962-7535.

TAX YEAR: 2017
TAX TYPE: COUNTY
TOTAL ANNUAL TAX: \$2,659.17
TAX ID #: 028335
TAXING ENTITY: KITITAS COUNTY TREASURER
FIRST INSTALLMENT: \$1,329.59
FIRST INSTALLMENT STATUS: PAID
FIRST INSTALLMENT DUE/PAID DATE: APRIL 30, 2017
SECOND INSTALLMENT: \$1,329.58
SECOND INSTALLMENT STATUS: DUE
SECOND INSTALLMENT DUE/PAID DATE: OCTOBER 31, 2017

10. THE LIEN OF REAL ESTATE EXCISE TAX UPON ANY SALE OF SAID PREMISES, IF UNPAID.
• PROPERTIES LOCATED INSIDE KITITAS COUNTY, THE TOTAL RATE IS 1.53% OF THE TOTAL SALES PRICE.

11. AN EASEMENT INCLUDING THE TERMS AND PROVISIONS THEREOF FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN INSTRUMENT:
GRANTED TO: POSTAL TELEGRAPH - CABLE COMPANY OF WASHINGTON
PURPOSE: CONSTRUCTION, MAINTENANCE AND OPERATION OF A POLE LINE
RECORDED: DECEMBER 13, 1935
INSTRUMENT NO.: 124486
AFFECTS: A PORTION OF SAID PREMISES

12. AN EASEMENT INCLUDING THE TERMS AND PROVISIONS THEREOF FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN INSTRUMENT:
GRANTED TO: PACIFIC TELEPHONE AND TELEGRAPH COMPANY
PURPOSE: COMMUNICATION SYSTEMS
RECORDED: NOVEMBER 26, 1948
INSTRUMENT NO.: 204931
VOLUME 80, PAGE 562
AFFECTS: A STRIP OF LAND THIRTY FEET WIDE OVER THE EAST HALF OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER LYING SOUTH OF STATE HIGHWAY.

13. AN EASEMENT INCLUDING THE TERMS AND PROVISIONS THEREOF FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN INSTRUMENT:
GRANTED TO: PACIFIC TELEPHONE AND TELEGRAPH COMPANY
PURPOSE: TO CONSTRUCT, OPERATE, MAINTAIN, REPLACE AND REMOVE COMMUNICATION SYSTEMS
RECORDED: MAY 1, 1948
INSTRUMENT NO.: 204932
AFFECTS: THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER LYING SOUTH OF THE STATE HIGHWAY.

14. RELEASE AND WAIVER OF INTEREST RECORDED JANUARY 20, 1960, IN VOLUME 105, PAGES 458 AND 459, UNDER AUDITOR'S FILE NO. 280568.

15. AN EASEMENT INCLUDING THE TERMS AND PROVISIONS THEREOF FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN INSTRUMENT:
GRANTED TO: KITITAS COUNTY SEWER DISTRICT NO. 1, A MUNICIPAL CORPORATION OF THE STATE OF WASHINGTON
PURPOSE: A SANITARY SEWER LINE
RECORDED: FEBRUARY 7, 1969
INSTRUMENT NO.: 352368
BOOK 1, VOLUME 536 THROUGH 542
AFFECTS: A PORTION OF SAID PREMISES

16. RESERVATION OF OIL, GAS, MINERALS, OR OTHER HYDROCARBONS, INCLUDING THE TERMS AND PROVISIONS CONTAINED THEREIN, IN DEED FROM CHICAGO, MILWAUKEE, ST. PAUL AND PACIFIC RAILROAD COMPANY, A WISCONSIN CORPORATION.
RECORDED: APRIL 30, 1970
VOLUME 11, PAGE 457
INSTRUMENT NO.: 360709
THE COMPANY MAKES NO REPRESENTATION AS TO THE PRESENT OWNERSHIP OF ANY SUCH INTERESTS. THERE MAY BE LEASES, GRANTS, EXCEPTIONS OR RESERVATIONS OF INTERESTS THAT ARE NOT LISTED.

SCHEDULE B - TITLE EXCEPTIONS

17. TERMS AND CONDITIONS OF CONDEMNATION BY THE STATE OF WASHINGTON, OF RIGHT OF ACCESS TO STATE HIGHWAY, AND OF LIGHT, VIEW AND AIR, TOGETHER WITH THE PERPETUAL RIGHT, PERMIT, LICENSE AND EASEMENT TO USE AND OCCUPY FOR THE PURPOSE OF CONSTRUCTING AND MAINTAINING SNOW STORAGE AREAS ON STRIP TWENTY FEET IN WIDTH AS SET FORTH IN DECREE OF APPROPRIATION ENTERED DECEMBER 21, 1970 IN KITITAS COUNTY CAUSE NO. 17709.

18. PENDENCY OF YAKIMA COUNTY SUPERIOR COURT CAUSE NO. 77-2-01484-5, STATE OF WASHINGTON, DEPARTMENT OF ECOLOGY, PLAINTIFF, VS. JAMES J. ACQUAVELLA, ET AL., DEFENDANTS; NOTICE OF WHICH IS GIVEN BY LIS PENDENS RECORDED ON OCTOBER 14, 1977, IN VOLUME 50, PAGE 589, UNDER KITITAS COUNTY RECORDING NUMBER 417302; AND SUPPLEMENTAL NOTICE OF LIS PENDENS RECORDED JUNE 4, 1980, IN VOLUME 131, PAGE 63, UNDER AUDITOR'S FILE NO. 442263; BEING AN ACTION FOR THE DETERMINATION OF THE RIGHTS TO DIVERT, WITHDRAW, OR OTHERWISE MAKE USE OF THE SURFACE WATERS OF THE YAKIMA RIVER DRAINAGE BASIN, IN ACCORDANCE WITH THE PROVISIONS OF CHAPTERS 90.03 AND 90.44 REVISED CODE OF WASHINGTON.

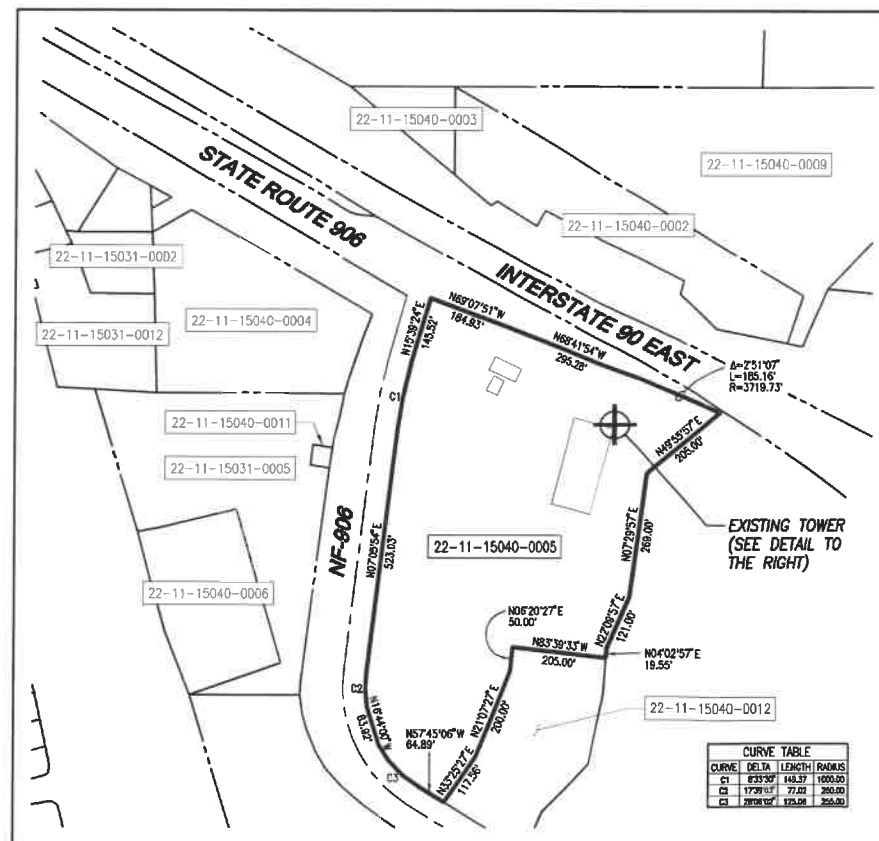
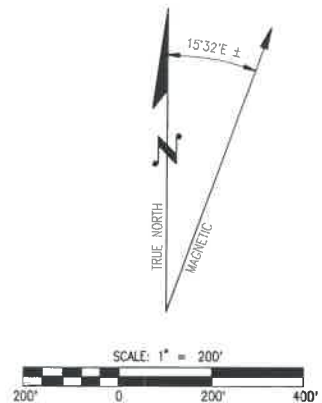
(ATTORNEY FOR PLAINTIFF: CHARLES B. ROE, JR., SENIOR ASSISTANT ATTORNEY GENERAL) NOTE: THE POLICY/POLICIES TO BE ISSUED INCLUDE(S) AS ONE OF THE PRINTED EXCEPTIONS TO COVERAGE: "WATER RIGHTS, CLAIMS OR TITLE TO WATER" AS SET FORTH AS PARAGRAPH 5C IN THE GENERAL EXCEPTIONS WHICH ARE PRINTED ON SCHEDULE B HEREIN. THE PENDING ACTION INVOLVES SUCH WATER RIGHTS AND THEREFORE, WILL NOT BE SET FORTH AS A SEPARATE EXCEPTION IN SAID POLICY/POLICIES

19. RIGHTS OF THE STATE OF WASHINGTON IN AND TO THAT PORTION OF SAID PREMISES, IF ANY, LYING IN THE BED OR FORMER BED OF THE COAL CREEK, IF IT IS NAVIGABLE.

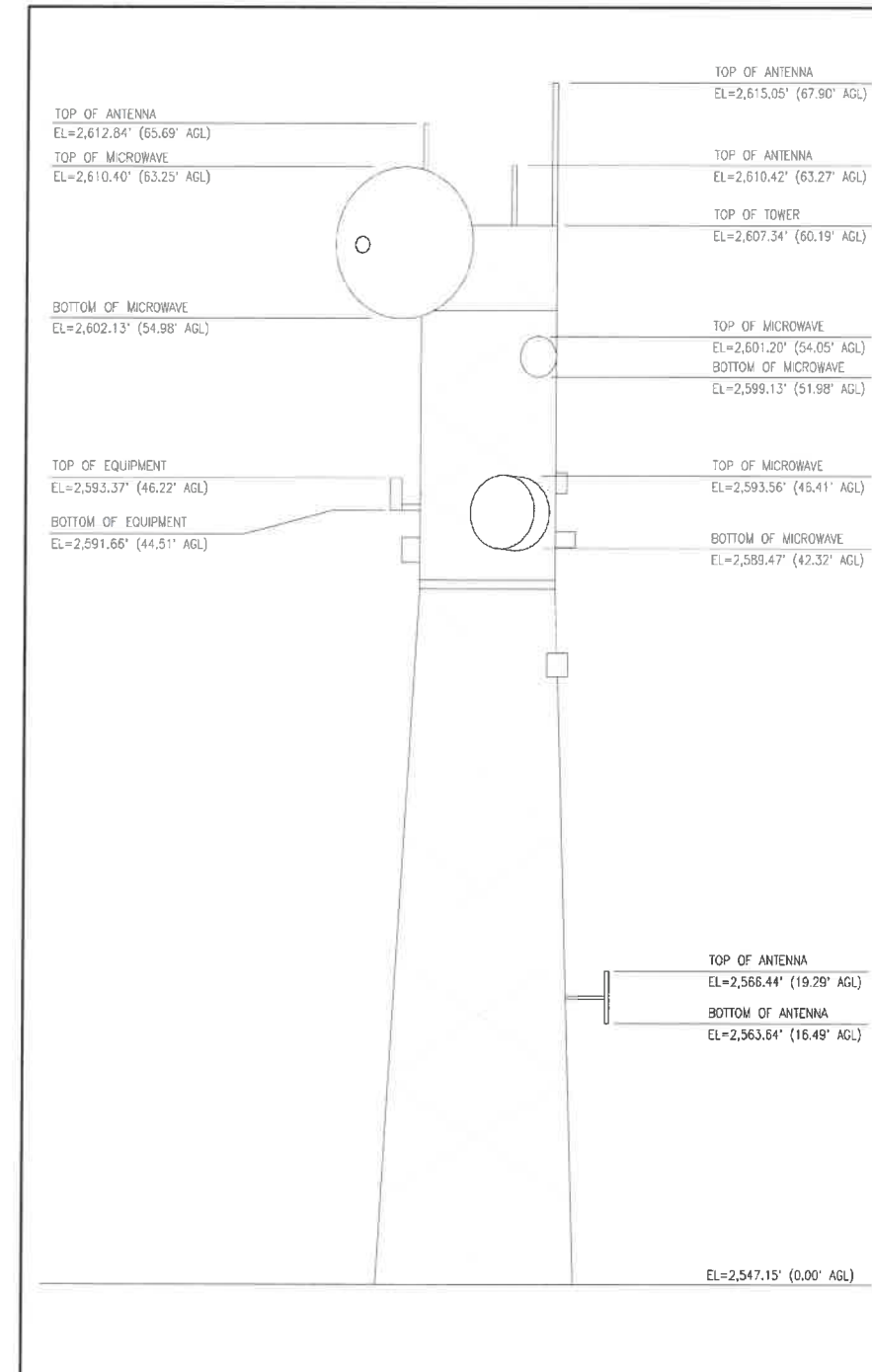
20. ANY QUESTION OF LOCATION, BOUNDARY OR AREA RELATED TO THE COAL CREEK, INCLUDING, BUT NOT LIMITED TO, ANY PAST OR FUTURE CHANGES IN IT.

21. ANY DIFFERENCE IN THE MEAN HIGH WATER LINE OF THE LAKE KEECHELUS AND THE MEANDER LINE AS SHOWN BY GOVERNMENT SURVEY.

22. ANY PROHIBITION OR LIMITATION ON THE USE, OCCUPANCY, OR IMPROVEMENTS OF THE LAND RESULTING FROM THE RIGHTS OF THE PUBLIC, APPROPRIATORS, OR RIPARIAN OWNERS TO USE ANY WATERS, WHICH MAY NOW COVER THE LAND OR TO USE ANY PORTION OF THE LAND WHICH IS NOW OR MAY FORMERLY HAVE BEEN COVERED BY WATER.



BOUNDARY DETAIL
SCALE: 1"=200'



TOWER DETAIL
SCALE: 1"=5'

PACIFIC CORPORATION



AUG 20 2018

LDC Commercial Infrastructure Residential Telecom
THE CIVIL ENGINEERING GROUP
14201 NE 200th St., #100 Woodinville, WA 98072
Ph. 425.806.1869 Fx. 425.482.2895
www.LDCcorp.com

DATE: 8-28-17
DRAWN BY: NY
CHECKED BY: VJT

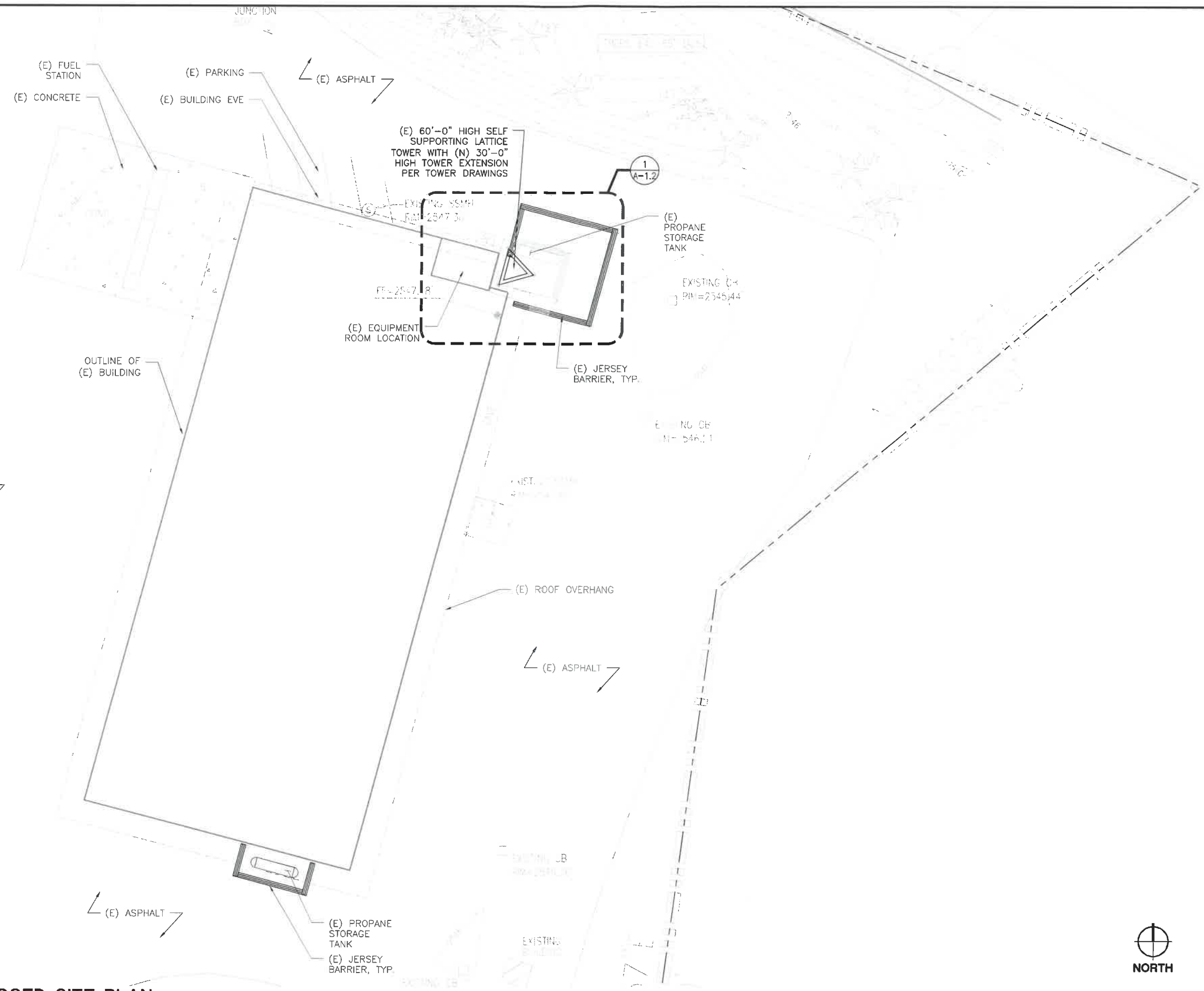
REVISIONS			
REV	DATE	DESCRIPTION	BY



SITE
PSERN HYAK
NF-906 SNOQUALMIE PASS
KITITAS COUNTY WA

SHEET TITLE
CIVIL SURVEY

SHEET NUMBER
SV-1.1



HYAK
 (COLLOCATION)
 NF-808 SNOQUALMIE PASS,
 WA 98068
 KITTITAS COUNTY

ODELIA
 5608 6TH AVE. S, SUITE 202
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 LYNNWOOD, WA 98038
 PHONE: (425) 740-8382
 FAX: (425) 252-2860
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PROJECT MANAGER: LM

PREPARED BY: AIO

APPROVED BY: GJV

07-16-18	ISSUED FOR PRELIM. REVIEW
06-22-18	ISSUED FOR PRELIM REVIEW

PLAN REVIEWERS SIGNATURE

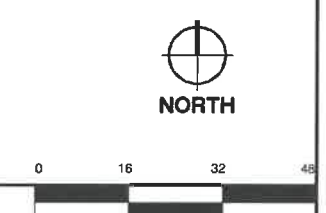
 AUG 29 2018

PROFESSIONAL STAMP

SHEET NAME
ENLARGED PROPOSED SITE PLAN

SHEET NUMBER
A-1.1

1 ENLARGED PROPOSED SITE PLAN
 SCALE 1/16" = 1'-0" (22X34), 1/32" = 1'-0" (11X17)



PARCEL NO.: 028335
FOREST AND RANGE

(E) BUILDING EVES

2
A-2.1 (E) (WSP) RELOCATED 5' OMNI ANTENNA
ON (N) 6' STANDOFF

3
A-2.0 (N) (WSDOT) 4'Ø MICROWAVE ANTENNA
TO: DODGE RIDGE

1
A-2.1 (N) (PSERN) 4'Ø MICROWAVE ANTENNA
TO: DODGE RIDGE

MICROWAVE ICE SHIELDS
NOT SHOWN FOR CLARITY

(E) 60'-0" HIGH SELF-SUPPORTING LATTICE TOWER
W/ (N) 30'-0" HIGH SELF-SUPPORTING LATTICE
TOWER EXTENSION
(N) OVERALL HEIGHT OF SELF-SUPPORTING LATTICE
TOWER = 90'-0"
SEE TOWER DRAWINGS FOR MORE INFORMATION

(E) PROPANE STORAGE TANK

1
A-4.0 (E) EQUIPMENT
ROOM AT
GROUND LEVEL
OUTLINE

(N) (WSDOT) 7' OMNI ANTENNA 2
A-2.1



King County

PSERN

PUGET SOUND EMERGENCY
RADIO NETWORK

Coverage • Capacity • Capability • Connectivity

HYAK

(COLLOCATION)

NF-906 SNOQUALMIE PASS,
WA 98068
KITITITAS COUNTY



ODELIA CORPORATION

6608 6TH AVE S, SUITE 202
SEATTLE, WA 98108
PHONE: (206) 490-3828
WWW.ODELIA.COM



CAMP+
ASSOCIATES

19401 40TH AVE. W, SUITE 304
LYNNWOOD, WA 98038
PHONE: (425) 740-8382
FAX: (425) 252-2880
WWW.CAMPASSOC.COM

PROJECT MANAGER: LM

PREPARED BY: AIO

APPROVED BY: GJV

07-16-18	ISSUED FOR PRELIM REVIEW
06-22-18	ISSUED FOR PRELIM REVIEW

PLAN REVIEWERS SIGNATURE

AUG 20 2018

PROFESSIONAL STAMP

SHEET NAME
**PROPOSED
SITE PLAN
DETAIL**

SHEET NUMBER
A-1.2

2
A-2.1 (E) (WSDOT) RELOCATED 3' OMNI ANTENNA
ON (N) 6' STANDOFF

1
A-2.0 (N) (PSERN) 6'Ø MICROWAVE ANTENNA
TO: STAMPEDE PASS

(E) JERSEY BARRIER, TYP.

(E) MICROWAVE ANTENNAS, TYP.

(E) OIL STORAGE TANK

(E) BUILDING

(E) BUILDING EVE

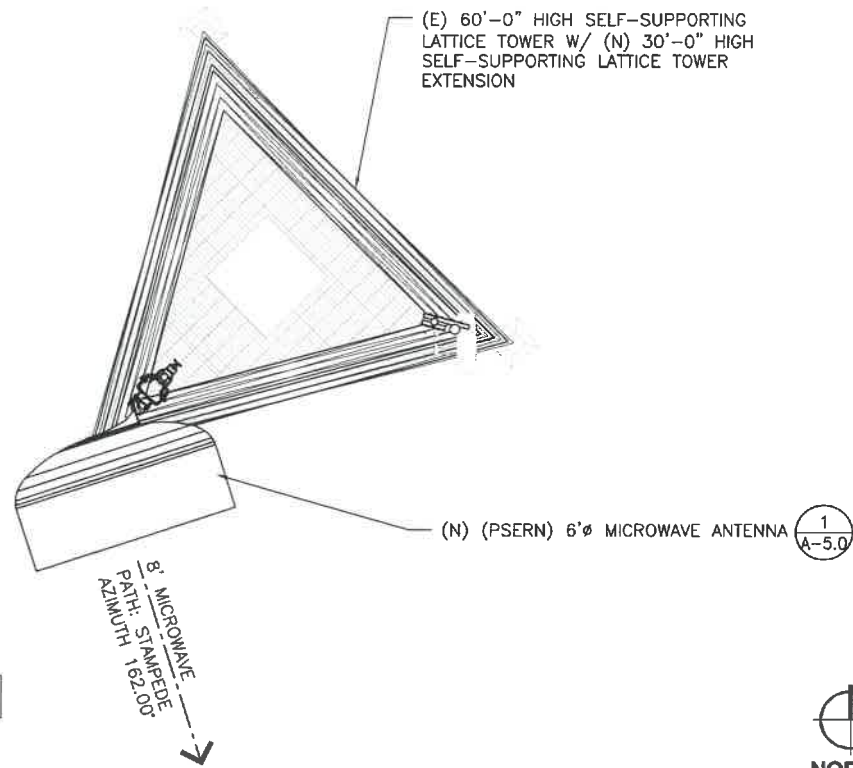
(E) ASPHALT



1 PROPOSED SITE PLAN DETAIL

SCALE: 1/2" = 1'-0" (22x34), 1" = 1'-0" (11x17)

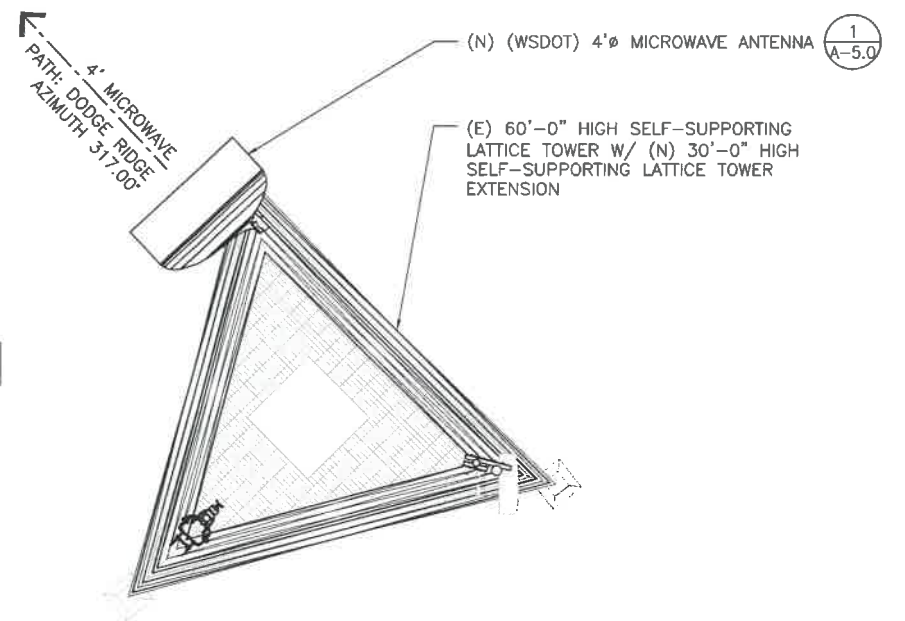




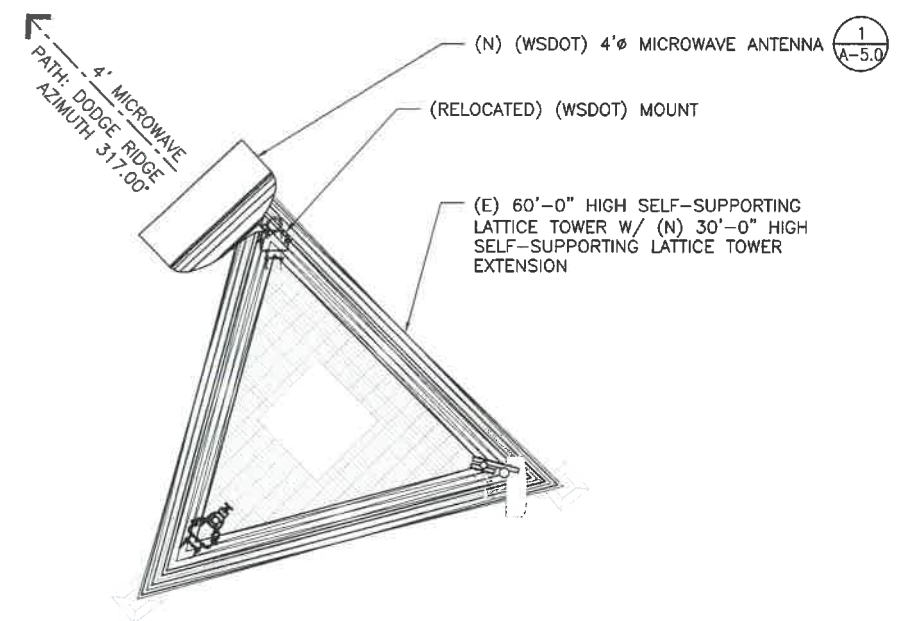
1 NEW ANTENNA PLAN AT 35'
SCALE 3/8" = 1'-0" (22X34), 3/16" = 1'-0" (11X17)

ANTENNA / COAX SCHEDULE								
RAD CENTER	PATH	MOUNTING HEIGHT	AZIMUTH	TOWER LEG	QTY.	DESCRIPTION	COAX	COAX LENGTH
35'-0"	STAMPEDE	-	162°	SW	1	6' HIGH-PERFORMANCE MICROWAVE ANTENNA	EW90	±60'
58'-0"	DODGE RIDGE	-	317°	N	1	4' HIGH-PERFORMANCE MICROWAVE ANTENNA	EW90	±85'
80'-0"	DODGE RIDGE	-	317°	N	1	4' HIGH-PERFORMANCE MICROWAVE ANTENNA	EW90	±110'
85'-0"	DODGE RIDGE	-	317°	N	1	4' HIGH-PERFORMANCE MICROWAVE ANTENNA	EW90	±115'
		63'-0"	-	N	1	EXISTING RELOCATED WSP 5' OMNI ANTENNA	TBD	±90'
		65'-0"	-	SW	1	EXISTING RELOCATED WSDOT 3' OMNI ANTENNA	TBD	±95'
		90'-0"	-	SE	1	NEW WSDOT 7' OMNI ANTENNA	TBD	±135'

NOTE:
 PROVIDE (1) DUAL DIVERSITY TOWER TOP AMPLIFIER SYSTEM.
 SYSTEM SHALL INCLUDE: (1) DUAL DIVERSITY TOWER TOP AMPLIFIER (TTA).
 (4) 7/8" COAXIAL CABLES (2) LINES ARE JUMPERS FROM THE TTA TO ANTENNAS).
 (1) 1/2" COAXIAL CABLE (FSJ4-50B).



2 NEW ANTENNA PLAN AT 58'
SCALE 3/8" = 1'-0" (22X34), 3/16" = 1'-0" (11X17)



3 NEW ANTENNA PLAN AT 80'
SCALE 3/8" = 1'-0" (22X34), 3/16" = 1'-0" (11X17)



HYAK
 (COLLOCATION)
 NF-908 SNOQUALMIE PASS,
 WA 98088
 KITITITAS COUNTY

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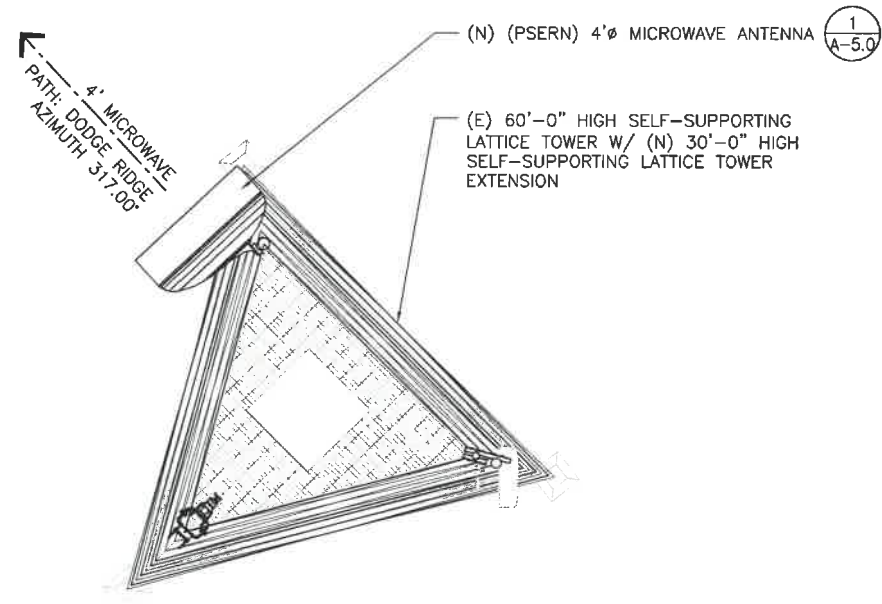
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SHEET NAME
 PROPOSED
 ANTENNA
 PLANS

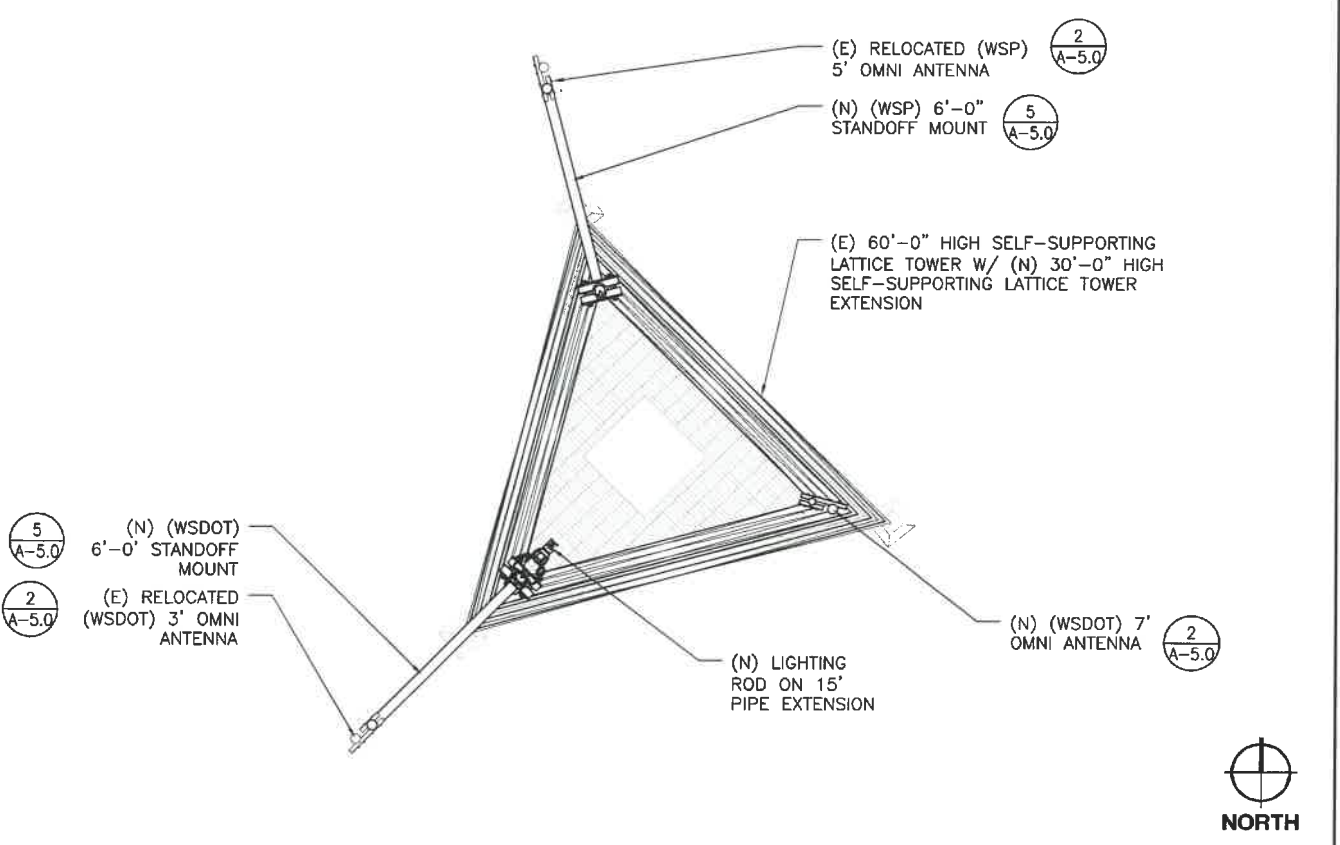
SHEET NUMBER
A-2.0



MICROWAVE ICE SHIELDS
NOT SHOWN FOR CLARITY



1 NEW ANTENNA PLAN AT 85'
SCALE 3/8" = 1'-0" (22X34), 3/16" = 1'-0" (11X17)



2 NEW ANTENNA PLAN AT 63', 65' & 90'
SCALE 3/8" = 1'-0" (22X34), 3/16" = 1'-0" (11X17)

ANTENNA / COAX SCHEDULE

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NOTE:

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King County



PSERN
PUGET SOUND EMERGENCY
RADIO NETWORK
Coverage • Capacity • Capability • Connectivity

HYAK

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SHEET NAME
**PROPOSED
ANTENNA
PLANS**

SHEET NUMBER
A-2.1



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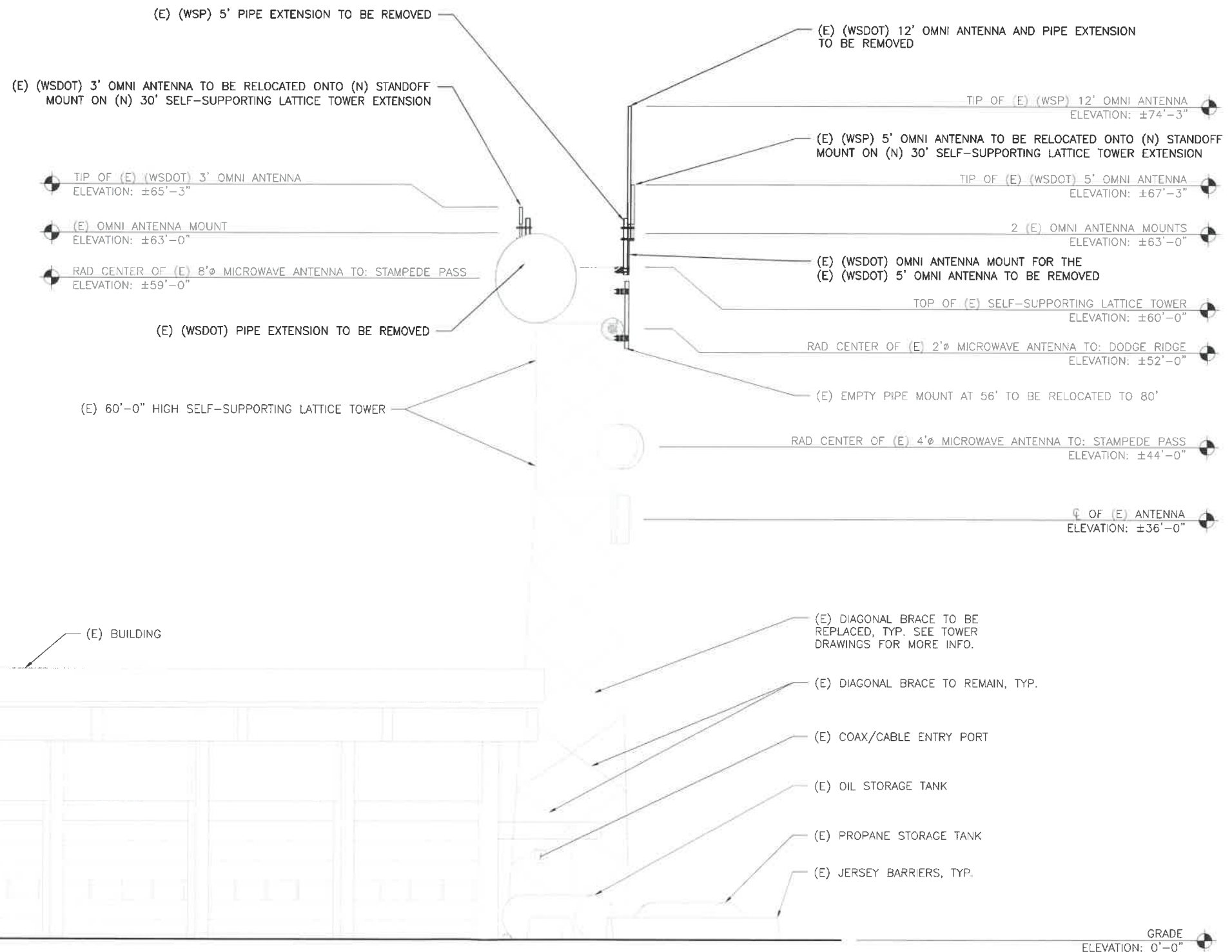
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AUG 20 2018

PROFESSIONAL STAMP

SHEET NAME
EXISTING
SOUTHEAST
ELEVATION

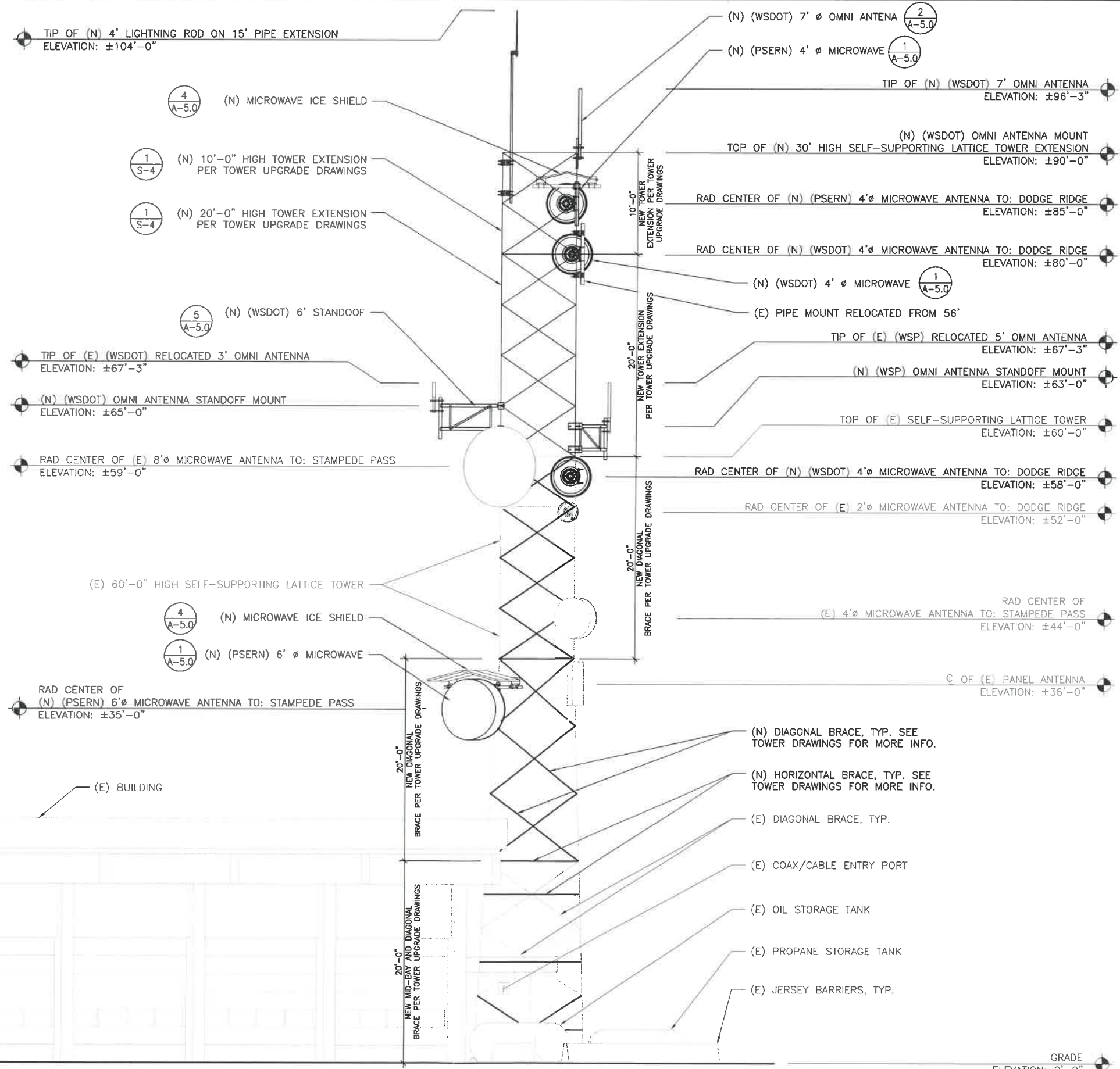
SHEET NUMBER
A-3.0



1 EXISTING PARTIAL SOUTHEAST ELEVATION

SCALE: 3/16" = 1'-0" (22x34), 3/32" = 1'-0" (11x17)





1 PROPOSED PARTIAL SOUTHEAST ELEVATION
 SCALE: 3/16" = 1'-0" (22x34), 3/32" = 1'-0" (11x17)



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 AUG 29 2018

PROFESSIONAL STAMP

SHEET NAME
PROPOSED SOUTHEAST ELEVATION

SHEET NUMBER
A-3.1