

2021-06-01

SITE PHOTO



AT&T SITE ID: WAALD-003-E

SCIP ID #: 17727-003

USID: 230507

FA #: 14848918

POLE TYPE: WOOD UTILITY POLE

POLE #: 2616-2-62

SITE ADDRESS: 20901 76TH AVE W  
EDMONDS, WA 98026

COUNTY: SNOHOMISH COUNTY

JURISDICTION: CITY OF EDMONDS



REV.	DATE	DESCRIPTION	INITIALS
A	08/28/20	90% CO'S	MPR
B	08/24/20	90% CO'S	VBS
C	08/25/20	CONSTRUCTION SET	CMC
	07/08/20	CLIENT COMMENTS	CMC
	07/13/20	CLIENT COMMENTS	CMC
	10/13/20	CLIENT COMMENTS	CMC
	11/17/20	CLIENT COMMENTS	SPM
	12/18/20	CLIENT COMMENTS	RMD

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



17727-003  
WAALD-003-E  
20901 76TH AVE. W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
T-1

PROJECT INFORMATION

**SITE INFORMATION**  
SITE NAME: WAALD-003-E  
LATITUDE: 47° 48' 35.75" N (47.80993)  
LONGITUDE: 122° 20' 08.30" W (-122.33566)  
SITE ADDRESS: 20901 76TH AVE W  
EDMONDS, WA 98026  
COUNTY: SNOHOMISH COUNTY  
JURISDICTION: CITY OF EDMONDS  
ZONING CLASSIFICATION: COMMERCIAL ARTERIAL  
CONSTRUCTION TYPE: U  
PARCEL NUMBER: 00380400001000  
LOCATION: CITY OF SNOHOMISH (P.O.W.)  
PROPOSED USE: UNMANNED TELECOMMUNICATIONS FACILITY  
ADJACENT PARCEL ZONING: RM - 1.5  
A.A.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

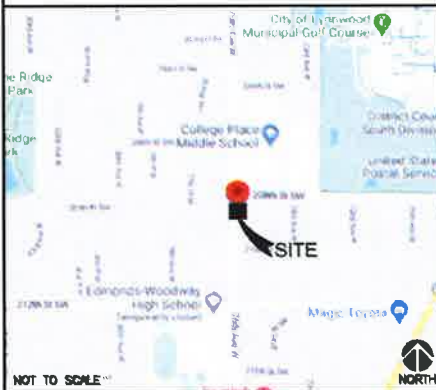
**POLE OWNER**  
NAME: SNOPOD  
ADDRESS: PO BOX H  
EVERETT, WA 98206-0055  
(425) 783-1012

**APPLICANT INFORMATION**  
APPLICANT/CARRIER: NEW CINGULAR WIRELESS PCS, LLC (AT&T)  
ADDRESS: 16331 NE 72ND WAY  
REDMOND, WA 98052

**ELECTRIC PROVIDER:** SNOPOD  
PHONE: (425) 783-1012

**TELCO COMPANY:** T.S.D

VICINITY MAP



CODE COMPLIANCE

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

**BUILDING CODE:**  
[INTERNATIONAL BUILDING CODE (IBC), 2015 AS ADOPTED BY THE LOCAL JURISDICTION]

**ELECTRICAL CODE:**  
[NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2015, NATIONAL ELECTRICAL SAFETY CODE (NESEC), AS ADOPTED BY THE LOCAL JURISDICTION]  
**LIGHTNING PROTECTION CODE:**  
[NFPA 780 - 2002, LIGHTNING PROTECTION CODE]

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:  
AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE  
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, FIFTEENTH EDITION  
ANSI/TIA 222-H, STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM  
IEEE 1100 (1996) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C2 NATIONAL ELECTRICAL SAFETY CODE, LATEST VERSION

TELECORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS

ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

INDEX OF DRAWINGS

SHEET	DESCRIPTION	REV.	DATE
T-1	TITLE SHEET	5	12/18/20
GN-1	GENERAL NOTES	5	12/18/20
GN-2	GENERAL NOTES	5	12/18/20
A-1	1A LETTER & SURVEY PLAN	5	12/18/20
A-2	OVERALL SITE PLAN	5	12/18/20
A-3	EXISTING SITE PLAN	5	12/18/20
A-4	EXISTING AND PROPOSED WEST POLE ELEVATION	5	12/18/20
A-5	EXISTING AND PROPOSED SOUTH POLE ELEVATION	5	12/18/20
A-6	EQUIPMENT DETAILS	5	12/18/20
A-7	EQUIPMENT DETAILS	5	12/18/20
A-8	EQUIPMENT DETAILS	5	12/18/20
RF-1	RF WARNING SIGNS	5	12/18/20
E-1	PLUMBING DIAGRAM & POWER SCHEMATIC	5	12/18/20
G-1	GROUNDING DETAILS & NOTES	5	12/18/20

DIRECTIONS

DEPART FROM: SEATTLE EDMONDS INTERNATIONAL AIRPORT, 17801 INTERNATIONAL BLVD, SEATTLE, WA 98158

1. GET ON WA-518 E FROM AIRPORT EXPRESSWAY
2. HEAD SOUTHEAST ON AIRPORT EXPRESSWAY TOWARD DEPARTURES DR
3. USE THE LEFT LANE TO KEEP LEFT
4. SLIGHT LEFT ONTO AIRPORT EXPRESSWAY
5. KEEP RIGHT AT THE FORK. FOLLOW SIGNS FOR WA 518 E/INTERSTATE 5/INTERSTATE 405 AND MERGE ONTO WA-518 E
6. FOLLOW I-5 N TO 220TH ST SW IN MOUNTLAKE TERRACE. TAKE EXIT 179 FROM I-5 N
7. MERGE ONTO WA-518 E
8. USE THE LEFT LANE TO TAKE THE INTERSTATE 5 N EXIT TOWARD SEATTLE
9. MERGE ONTO I-5 N
10. TAKE EXIT 179 FOR 220TH STREET SOUTHWEST
11. CONTINUE ON 220TH ST SW. DRIVE TO 76TH AVE W IN EDMONDS
12. USE THE LEFT 2 LANES TO TURN LEFT ONTO 220TH ST SW
13. TURN RIGHT ONTO 76TH AVE W

ARRIVE AT: 20901 76TH AVE W, EDMONDS, WA 98026



TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WASHINGTON, CALL UTILITY NOTIFICATION CENTER.  
TOLL FREE: 1-800-424-5655 OR  
www.callbeforeyoudig.org  
WASHINGTON STATUTE REQUIRES MAX OF 1 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

PROJECT TEAM

**AT&T FIRM**  
NAME: LETS AMERICA, INC.  
CONTACT: 112 S. KYRENE ROAD, SUITE 1  
CHANDLER, AZ 85226  
PHONE: (480) 961-8151  
EMAIL: INFO@LETSAMC.COM

**SITE DESIGN**  
NAME: MASTEC NETWORK SOLUTIONS, INC.  
ADDRESS: 22263 68TH AVE SOUTH  
EDMONDS, WA 98032  
PHONE: (206) 427-2775  
(253) 248-4280

**SAC MANAGER:** BRAD ADAMS  
PHONE: (206) 810-1941

**CONSTRUCTION MANAGER:** JASON KROPP  
PHONE: (253) 248-4280

**LANDLORD:** SNOPOD  
PHONE: (425) 783-1012

**AT&T PROJECT MANAGER:** JUDY FISCHER  
PHONE: (825) 474-7826

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL USE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIPMENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

- (1) REMOVE EXISTING WOOD UTILITY POLE
- (1) PROPOSED WOOD UTILITY POLE
- (1) PROPOSED AT&T STAND-OFF MOUNT
- (1) PROPOSED AT&T CHANISTER ANTENNA
- (1) PROPOSED AT&T AIRSOLAR RF'S
- (1) PROPOSED AT&T EQUIPMENT ENCLOSURE
- (1) PROPOSED AT&T DISCONNECT/SURGE SUPPRESSOR
- (2) PROPOSED AT&T CONDUITS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LEGAL DESCRIPTION

RIGHT-OF-WAY



#### GENERAL CONSTRUCTION NOTES:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST ADAPTED EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND LATEST AIAA CONSTRUCTION STANDARDS. THE SPECIFICATION IS THE BUILDING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR AIAA ON PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE (2) WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING THOSE WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED, AS SHOWN, PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR AIAA ON PRIOR TO THE COMMENCEMENT OF WORK. NO COMPLETION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ANY/ALL ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM SUBJECT ONLY TO OWNER-SUPPLIED ITEMS. CONTRACTOR SHALL PROVIDE ANY/ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- PLANS ARE NOT TO BE SOLOLED. THESE PLANS ARE INTENDED TO BE A DIAGNOSTIC 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. OWNER PROVIDED AND CONTRACTOR INSTALLED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
  - TRANSFORMER
  - ANTENNA AND MOUNTING BRACKET, GPS ANTENNA AND (2) ANTENNAS
  - UPP CABLE AND HUBBERS
  - INTERCONNECTED LOW CABLE
- DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED THROUGHOUT THEREFORE, BE CRITICAL. TO FIELD VARIOUS DIMENSIONS SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, (2) CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR AIAA IN WRITING, PRIOR TO THE COMMENCEMENT OF WORK.
- DETAILS PROVIDED ARE FOR THE PURPOSE OF SHOWING DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR SITE CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL PAY FOR APPLICABLE PERMITS, FEES, INSPECTIONS AND MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR SITE CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK UNDER ACCEPTED INDUSTRY-STANDARD RULES AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- 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.
- CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE AIAA ON AND SCHEDULE THEIR ACTIVITIES AND WORKING SCHEDULE IN ACCORDANCE WITH THE REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED ON THESE LOCAL CODES OR REGULATIONS AND PROVIDED.
- CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT (2) SURFACES, EQUIPMENT, NEIGHBORING PROPERTY AND TO MAINTAIN, TO NEW CONDITION, ANY DAMAGE THAT OCCURS DURING CONSTRUCTION AT THE SOLE COST OF THE CONTRACTOR.
- IN DRILLING HOLES, OR CORING, INTO CONCRETE WHETHER FOR FASTENERS OR ANCHORS PURPOSES, OR FOR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE, RAILS, 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 LOCATED BY THE CONTRACTOR USING APPROPRIATE METHODS. EQUIPMENT PRIOR TO ANY DRILLING OR CORING OPERATIONS IN (2) CONCRETE.
- CONTRACTOR SHALL RETURN TO NEW CONDITION, ALL (2) SHALL SUPERSEDE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
- CONTRACTOR SHALL SEAL PENETRATIONS THROUGH FINE FLOOR ASSEMBLIES OR UNITS WITH ALL LUGS, AND FURNISH EQUIPMENT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED, LEAVE REMAINS 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.
- MINIMUM BEND RADIUS OF ANTENNA CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.

- CONTRACTOR SHALL MAINTAIN DISTURBANCE TO (2) SITE DURING CONSTRUCTION. CRASH CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH JURISDICTIONAL OR STATE AND LOCAL ORDINANCES FOR EROSION AND SEDIMENT CONTROL, AND COORDINATED WITH LOCAL REGULATORY AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ANY EROSION CONTROL MEASURES, RECORD-KEEPING, MONITORING, AND REPORTING TO THE OWNER AND REGULATORY AGENCIES.
- ALL CONSTRUCTION WORK IS TO ACHIEVE TO APPLICANT'S INTENDED CONSTRUCTION STANDARDS UNLESS STATE OR LOCAL CODE IS MORE STRINGENT.
- THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH STATE BUILDING STANDARDS CODE AND STATE CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK. A CHANGE ORDER FOR THAT SCOPE SHALL BE SUBMITTED TO THE AIAA ON PRIOR TO PROCEEDING WITH THE WORK.
- ADDITIONAL AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
- CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE. ANY CORRECTIVE WORK SHALL BE COMPLETED AT THE SOLE COST OF THE CONTRACTOR.

#### ELECTRICAL NOTES:

- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DIMENSIONS AND ANY/ALL APPLICABLE SPECIFICATIONS. ANY PROBLEMS ARE INDICATED BY CONFLICTING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY AIAA ON AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE AIAA ON HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL (2) CONDITIONS OF ELECTRICAL EQUIPMENT, ETC., THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE SUBMITTING OF THEIR BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, ALL CODES AND ORDINANCES OF THE LOCAL JURISDICTION, AND POWER IS TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE, BUT ARE NOT BE LIMITED TO:
  - UL - UNDERWRITERS LABORATORIES
  - NECA - NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
  - NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
  - OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
  - EDWARD BUILDING CODE
  - NEPA - NATIONAL FIRE PROTECTION AGENCY
  - IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
  - ASTM - AMERICAN SOCIETY FOR TESTING MATERIALS
- REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFORM WITH AIAA ON ANY SLOPS AND LOCATIONS WHEN NEEDED.
- (2) SERVICES: CONTRACTOR SHALL NOT INTERRUPT (2) SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- CONTRACTOR SHALL CONFORM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THIS LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNER'S CONVICTION, ETC., ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE AIAA ON PRIOR TO BEGINNING ANY WORK.
- MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUITS SHALL BE COPPER WITH THIN INSULATION, UNLESS OTHERWISE NOTED.
- OUTLET BOXES SHALL BE PREPARED STEEL IN DRY LOCATIONS, GAST ALLOY WITH THICKENED HAND IN WET/PAVING LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS AS A COMPLETE SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK. A CHANGE ORDER FOR THAT SCOPE SHALL BE SUBMITTED TO THE AIAA ON PRIOR TO PROCEEDING WITH THE WORK.
- ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, BUT PRIOR BY APPLICANT.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS NONRESIDENTIAL WIRING. THE COMPLETE SYSTEM SHALL BE FULLY FUNCTIONAL AND SHALL BE APPROVED BY THE AIAA ON PRIOR AND LOCAL JURISDICTION. ANY DISCREPANCIES SHALL BE CORRECTED BY AN ELECTRICAL CONTRACTOR AT THE SOLE COST OF THE CONTRACTOR.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRIGS TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED BY THE CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT ON THE DEFECT OF ANY OTHER TYPE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT, CONDUITS, PULL WIRE, BOXES COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
- OUTGOING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS EXCAVATION AND BACKFILLING.

- MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF ALL APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEEE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON MANUFACTURER'S ORIGIN INFORMATION OF ANY/ALL EQUIPMENT AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE AIAA ON PRIOR TO INSTALLATION.
- ANY CUTTING OR PATCHING REQUIRED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTIONS OF THE AIAA ON UPON FINAL ACCEPTANCE.
- THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TERMINAL IDENTIFIERS. ALL ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- DISCONNECT SWITCHES SHALL BE UL-RATED, N.A. RATED HENRY-DUTY, QUICK-BREAK AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
- ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-CORROSION COMPOUND KNOWN AS "TWO-CODE" AT BY DOMESTIC CHROMAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
- INCLOSURE CONDUIT SHALL BE SCHEDULE 80 PVC WEATHERING OR EXCESSIVE HEAT TIE - 1000. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EXIST CONDUIT AND PROVIDE TWO SPARE PULL STRINGS - 300 IN THIN POLYETHYLENE COAT. ALL CONDUIT BENDS SHALL MEET 90-DEGREE BENDS. ALL FITTINGS SHALL BE SATISFAIR FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADED WITH "WHITE ZINC" OR "GOLD GALT".
- SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
- CONDUITS: CONTRACTOR SHALL USE RISE CONDUCTIVITY COPPER WITH TYPE THIN INSULATION, UNLESS OTHERWISE NOTED. 600 VOLT, COLOR CODED, USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
- CONDUITS FOR POWER CONDUITS: CONTRACTOR SHALL USE PRECASTURE TYPE INSULATED TUBES ON CONDUITS FOR NO. 10 AWG AND SMALLER. USE SOLIDCORE MECHANICAL TUBING LUGS FOR NO. 8 AWG AND LARGER.
- SERVICES AS SPECIFIED ON THE DRAWINGS, OWNER OR OWNER'S AGENT WILL APPLY FOR PERMITS. ALL PREVISIONS FOR TEMPORARY POWER WILL BE OBTAINED BY THE CONTRACTOR.
- TELEPHONE OR FIRST RESERVE CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
- ELECTRICAL AND TELLER/OTHER SERVICES TO BE BURIED A MINIMUM DEPTH OF 30", UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PLACE IF WIDE DETECTABLE WARNING TAPE AT A DEPTH OF 8" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELLER SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOM".
- ALL BOLTS SHALL BE 3-16 STAINLESS STEEL.

#### GROUNDING NOTES:

- ALL WIRING SHALL BE 3-16 STAINLESS STEEL, INCLUDING LOCK WIRELESS, COAT ALL SURFACES WITH AN ANTI-CORROSION COMPOUND SPECIFIED, BEFORE MATING. ALL WIRING SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER.
- FOR GROUND BOND TO STEEL, ONLY WIRET A CHAIN FLAT WIRE BETWEEN LUGS AND STEEL, COAT ALL SURFACES WITH AN ANTI-CORROSION COMPOUND BEFORE MATING.
- ALL 1/2" BOLL CONDUIT SHALL BE BONDING AT BOTH ENDS WITH GROUNDING BARS.
- ALL ELECTRICAL AND GROUNDING AT THE POLE SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND LATEST EDITION, AND MANUFACTURER'S.
- ALL DETAILS ARE SHOWN IN REDLINE. TERMS: ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
- GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING #8 GROUND WIRE, FOLLOW ANTENNA AND SITE MANUFACTURER'S PRACTICES AND GROUNDING REQUIREMENTS.
- ALL GROUND CONNECTIONS SHALL BE IN AND, UNLESS OTHERWISE NOTED, ALL WIRE SHALL BE COPPER WITH THIN, UNLESS OTHERWISE NOTED. ALL GROUND WIRE SHALL BE SOLID IN CONDUIT OR STRANDED GREEN INSULATED WIRE.
- CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE, TO OBTAIN MAXIMUM PROTECTIVE SURFACE RESISTANCE. RESISTANCE AS REQUIRED TO ACHIEVE SPECIFIED OHMS RESISTANCE, GROUND AND OTHER OPTIONS. TESTING WILL BE WITNESSED BY THE AIAA ON.
- NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
- ALL HORIZONTALLY RUN GROUNDING CONDUITS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GROUND, IF BELOW FREET-LINE IN TROUGH, UNLESS OTHERWISE NOTED. BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT/ENGINEER.
- ALL GROUND CONDUITS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.
- ACCEPTABLE CONNECTIONS FOR GROUNDING SYSTEM SHALL BE:
  - BURIED, 1/4" GRADE U.L. LISTED CONNECTORS FOR OUTDOOR USE OR AS APPROVED BY APPLICANT PROJECT MANAGER.
  - CHROMAL, CHROMIUM WELDED (WELDED CONNECTIONS).
  - ONE (1) HOLE THREADED COPPER COMPRESSION (LOW BARREL) FITTING.

- ALL CRIMPED CONNECTIONS SHALL HAVE EMBOSSED MANUFACTURER'S BRAND MARK. VISIBLE AT THE CRIMP (REDUCING FRICTION WITH HEAT SHOCK). CRIMPING TOOLS AND WIREMAN-PROCESSED WITH HEAT SHOCK.
  - ALL CONNECTION WIREMAN SHALL BE TYPE 3-16 STAINLESS (NOT ATTRACTED TO MAGNETS).
- #### TESTING AND EQUIPMENT TURN UP REQUIREMENTS:
- RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HALL EQUIPMENT TESTING WILL COMPLY WITH CURRENT INDUSTRY STANDARDS AND ON THOSE STANDARDS OF THE EQUIPMENT MANUFACTURER OR PROVIDED TO THE CONTRACTOR PRIOR TO TESTING.
  - CONTRACTOR WILL USE THE APPROPRIATE CALIBRATED TESTING EQUIPMENT IN THE TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HALL EQUIPMENT THAT MEET INDUSTRY STANDARDS OF THE MANUFACTURER OR THOSE STANDARDS PROVIDED TO THE CONTRACTOR PRIOR TO TESTING.
  - CONTRACTOR TO VERIFY AND RECORD ALL TEST RESULTS AND PROVIDE THESE RESULTS WITHIN THE FINAL QUOTE OFF PROPOSAL.
  - ALL PERSONNEL INVOLVED IN THE TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HALL EQUIPMENT WILL BE REQUIRED TO HAVE BEEN TRAINED AND OR CERTIFIED IN THE PROPER TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HALL EQUIPMENT.
  - ALL TEST RESULTS SHALL BE THE STAMPED, RECORDED AND PRESENTED PRIOR TO EXCESSING AND TURN UP OF ANY EQUIPMENT.
  - GPS EQUIPMENT (WHEN REQUIRED) IS NOT TO BE TESTED OR ATTACHED TO ANY CABLES DURING TESTING, DURING SO WILL DURING THE GPS UNIT.
  - PRIOR TO TESTING IF THE CONTRACTOR HAS ANY QUESTIONS ABOUT THE TESTING PROCEDURES THEY ARE TO CALL AND OBTAIN ASSISTANCE FROM A QUALIFIED CONSULTANT TESTING REPRESENTATIVE.
  - EQUIPMENT IS NOT TO BE EXCESSING UNTIL ALL TESTING HAS BEEN COMPLETED AND APPROVED. THE APPROPRIATE AUTHORITY HAS BEEN NOTIFIED AND GIVEN APPROVAL TO EXCESSING THE EQUIPMENT.

#### SITE WORK NOTES:

- DO NOT EXCAVATE OR RETURN BEYOND THE PROPERTY LINES OR LINES LINES, UNLESS OTHERWISE NOTED.
- 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.
- ALL (2) UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SATISFACTION OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE NATURE OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATION OF ALL (2) UTILITIES AND CONDITIONS PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY SCALED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVAL OR ADJUSTING (2) UTILITIES.
- CONTRACTOR SHALL VERIFY ALL (2) 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 OR AIAA ON FOR RESOLUTION AND INSTRUCTION. AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHANGED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INFORMATION MEANS CONTRACTOR WILL HAVE WORKED AT THEIR OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL UTILITY LOCATE HOT LINE, SUCH AS 811, FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
- ALL NEW AND (2) UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY THE INTERPRETATION OF PLANS SHALL BE REMOVED PRIOR TO FINAL INSPECTION OF WORK. ANY COST RELATED TO ADJUSTING (2) STRUCTURES SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE, AND IS TO FURNISH INTO (2) GRADERS AT THE CONCRETE LIMITS.
- ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAD BACK OR BACKFILL IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
- STRUCTURAL FILL SUPPORTING FUNDMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY, UNLESS OTHERWISE NOTED.
- NEVER CRACKED HOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLAY FILL AND COMPACTED TO USE OF STANDARD PROCTOR DENSITY.
- ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFT THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
- ANY FILL PLACED ON (2) SLOPES THAT ARE STEEPER THAN 1:1 HORIZONTAL TO 1 VERTICAL, SHALL BE PROPERLY BONDING INTO THE (2) SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
- CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO DEBRIS, PAPER, TRASH, WASTE, BRUSH, EXCESS FILL, OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
- ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONTACT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE BODIES. CONTRACTOR.
- 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.

CARRIER



10821 NE 78TH WAY  
REDMOND, WA 98052

PLANS PREPARED FOR:



22203 80TH AVENUE SOUTH  
KENT, WA 98032


PLANS PREPARED BY:



Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 951-9151  
LETS PROJ. #: M-03PM-256

REV.	DATE	REVISIONS	DESCRIPTION	INITIALS
A	06/20/20	90% CDS	MFR	
B	06/24/20	90% CDS	VBS	
D	06/25/20	CONSTRUCTION SET	GMC	
	07/03/20	CLIENT COMMENTS	GMC	
	07/13/20	CLIENT COMMENTS	GMC	
	10/13/20	CLIENT COMMENTS	GMC	
	11/17/20	CLIENT COMMENTS	SPM	
	12/16/20	CLIENT COMMENTS	RMD	

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



17727-003  
WAALD-003-E  
20901 76TH AVE. W  
EDMOND, WA 98026  
SNOHOMISH COUNTY

17727-003  
WAALD-003-E  
20901 76TH AVE. W  
EDMOND, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE

GENERAL NOTES

SHEET NUMBER  
**GN-1**



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#### ENVIRONMENTAL NOTES:

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES AS REQUIRED BY THE LOCAL JURISDICTION WITHIN THE LIMITS IF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
7. CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
8. SEEDING AND MULCHING AND/OR SOODOING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE, BUT IS NOT LIMITED TO SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
10. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRAGILE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.
11. GO TO PLACE FILTER MATERIAL AT ALL CATCH BASINS ADJACENT TO CONSTRUCTION SITE TO PREVENT SOLID WASTE CONTAMINATION FROM ENTERING SEWER SYSTEM.

#### FOUNDATION, EXCAVATION AND BACKFILL NOTES:

1. ALL FINAL GRADED SLOPES SHALL BE A MINIMUM OF 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.
2. BACKFILL OF POLE SHALL BE PERFORMED IN ONE OF TWO OPTIONS:
  - A. PREFERRED: RAINBOW INDUSTRIES POLE SETTING FOAM SHALL BE INSTALLED PER MANUFACTURER SPECS. FOAM SHALL ALWAYS BE USED FOR POOR SOILS.
  - B. SECONDARY: CONCRETE (REQUIRES AT&T CM WRITTEN APPROVAL) ALLOWABLE SOIL PRESSURE = 2000 PSF (ASSUMED). NON-NATIVE SOILS SHALL BE REMOVED FROM BORE AREA AND SHALL NOT BE REUSED FOR BACKFILL.
3. 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.
4. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF ADEQUATE BEARING CAPACITY IS NOT ACHIEVED 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.

5. 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.
6. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 8" 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.
7. NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HRS PRIOR TO BACK FILLING.
8. 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.
9. NEWLY GRADED GRAVEL SURFACES AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPAR #3401 AS MANUFACTURED BY TYMAR GEOSYNTHETICS OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENT 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. FOOT TYPE NO. 57 FOR FENCED COMPOUND; FOOT TYPE NO. 67 FOR ACCESS DRIVE AREA, UNLESS OTHERWISE NOTED.
10. 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 HORIZONTAL. SUCH THERMAL FILL MATERIAL WILL BIND WITH (E)/PREPARED SOIL SURFACE.
11. 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 RECOMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.
12. IN AREAS WHICH (E) 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.
13. (E) GRAVEL SURFACING MAY NOT BE REUSED.
14. 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.
15. PROTECT (E) GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANINGKING MATTS' OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO (E) GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS.
16. DAMAGE TO (E) STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
17. 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 OF THE CONTRACT.



10821 NE 72ND WAY  
REDMOND, WA 98052

PLANS PREPARED FOR:

**MasTec**  
Network Solutions

22283 18TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:

**LETS**  
Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-8151  
LETS PROJ. #: 01-CPW-258

REV.	DATE	DESCRIPTION	INITIALS
A	05/20/20	90% CIP'S	MPR
B	06/24/20	90% CIP'S	VMS
D	06/25/20	CONSTRUCTION SET	GMC
Δ	07/08/20	CLIENT COMMENTS	GMC
Δ	07/13/20	CLIENT COMMENTS	GMC
Δ	10/13/20	CLIENT COMMENTS	GMC
Δ	11/17/20	CLIENT COMMENTS	SPM
Δ	12/18/20	CLIENT COMMENTS	RMD

NOT FOR CONSTRUCTION UNLESS  
LABELED AS CONSTRUCTION SET



17727-003  
WAALD-003-E  
20901 76TH AVE. W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE

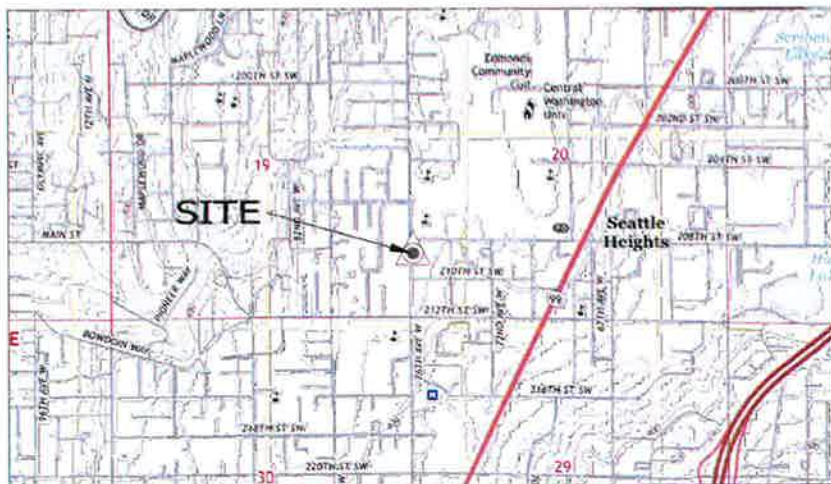
GENERAL NOTES

SHEET NUMBER

**GN-2**

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# 1A SURVEY CERTIFICATION



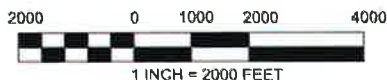
## GEOGRAPHIC COORDINATES

**LATITUDE:** 47°48'35.75" N (47.80993) (NAD 83)  
**LONGITUDE:** 122°20'08.39" W (-122.33566) (NAD 83)  
**GROUND ELEVATION:** 436.43 FEET (NAVD 88)  
**HEIGHT:**  
@ TOP OF POLE: 33.06 FEET (AGL)



**DATE OF SURVEY:** APRIL 1, 2020

**RE:** SITE NAME: WAALD-003-E  
SCIP ID#: 17727-003  
20901 76TH AVE W  
EDMONDS, WA 98026



I CERTIFY THAT THE LATITUDE AND THE LONGITUDE SHOWN ABOVE ARE ACCURATE TO WITHIN ±15 FEET HORIZONTALLY AND THAT THE SITE ELEVATION IS ACCURATE TO WITHIN ±3 FEET VERTICALLY, WHICH MEETS 1A STANDARDS AS DEFINED ON THE FAA ASAC INFORMATION SHEET 91-003. THE HORIZONTAL DATUM (GEOGRAPHIC COORDINATES) ARE IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND ARE EXPRESSED AS DEGREES (°), MINUTES ('), AND SECONDS ("). TO THE NEAREST HUNDREDTH OF A SECOND. THE VERTICAL DATUM (ELEVATION AMSL) IS IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



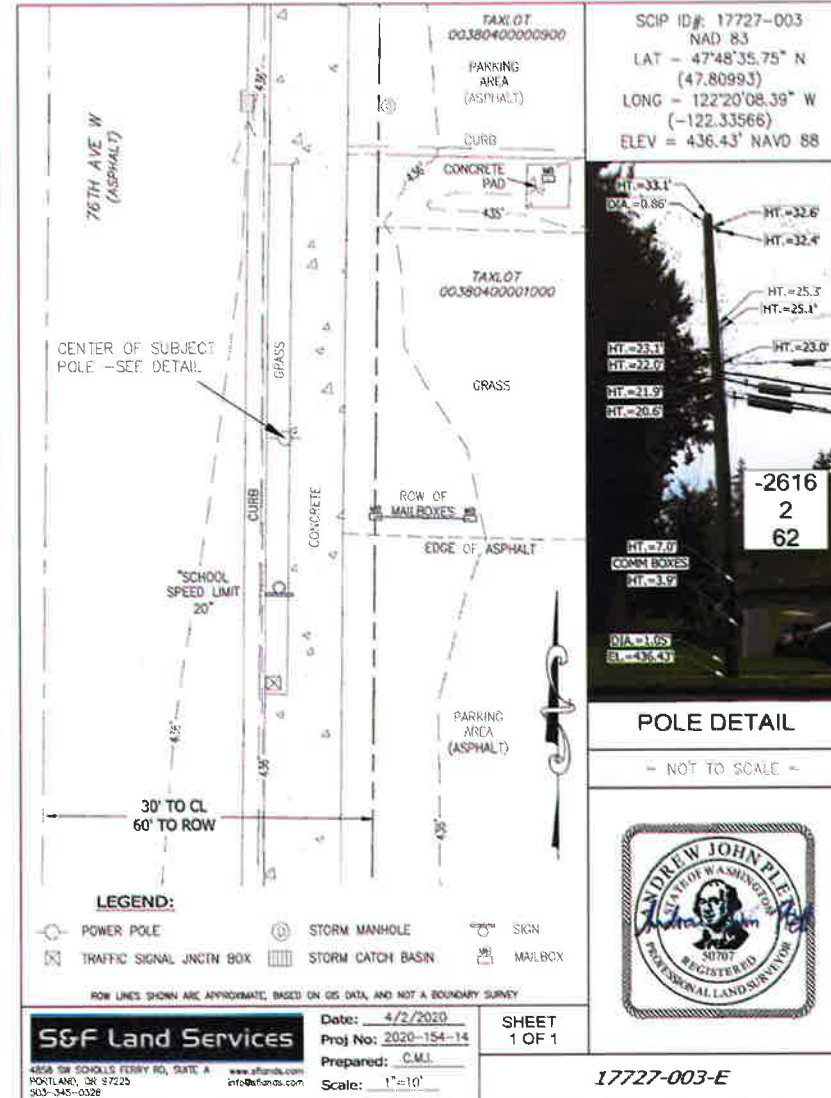
## S&F Land Services

4856 SW SCHOLLS FERRY RD, SUITE A  
PORTLAND, OR 97225  
503-345-0328  
www.sflands.com  
info@sflands.com

Date: 4/2/2020  
Proj No: 2020-154-14  
Prepared: C.M.J.  
Checked: A.J.P.

SHEET  
1 OF 1

SCALE  
NTS 1



## S&F Land Services

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Date: 4/2/2020  
Proj No: 2020-154-14  
Prepared: C.M.J.  
Scale: 1"=10'

SHEET  
1 OF 1

17727-003-E



18221 NE 72ND WAY  
REDMOND, WA 98052

PLANS PREPARED FOR:

**MasTec**  
Network Solutions

22283 18TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:

**LETS**

Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-8151  
LETS PROJ. #: UT-CRPM-258

REV.	DATE	REVISIONS	INITIALS
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17727-003  
WAALD-003-E  
20901 76TH AVE W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE

SURVEY PLAN AND  
SURVEY ELEVATION

SHEET NUMBER

A-1

1A LETTER

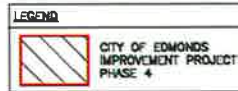
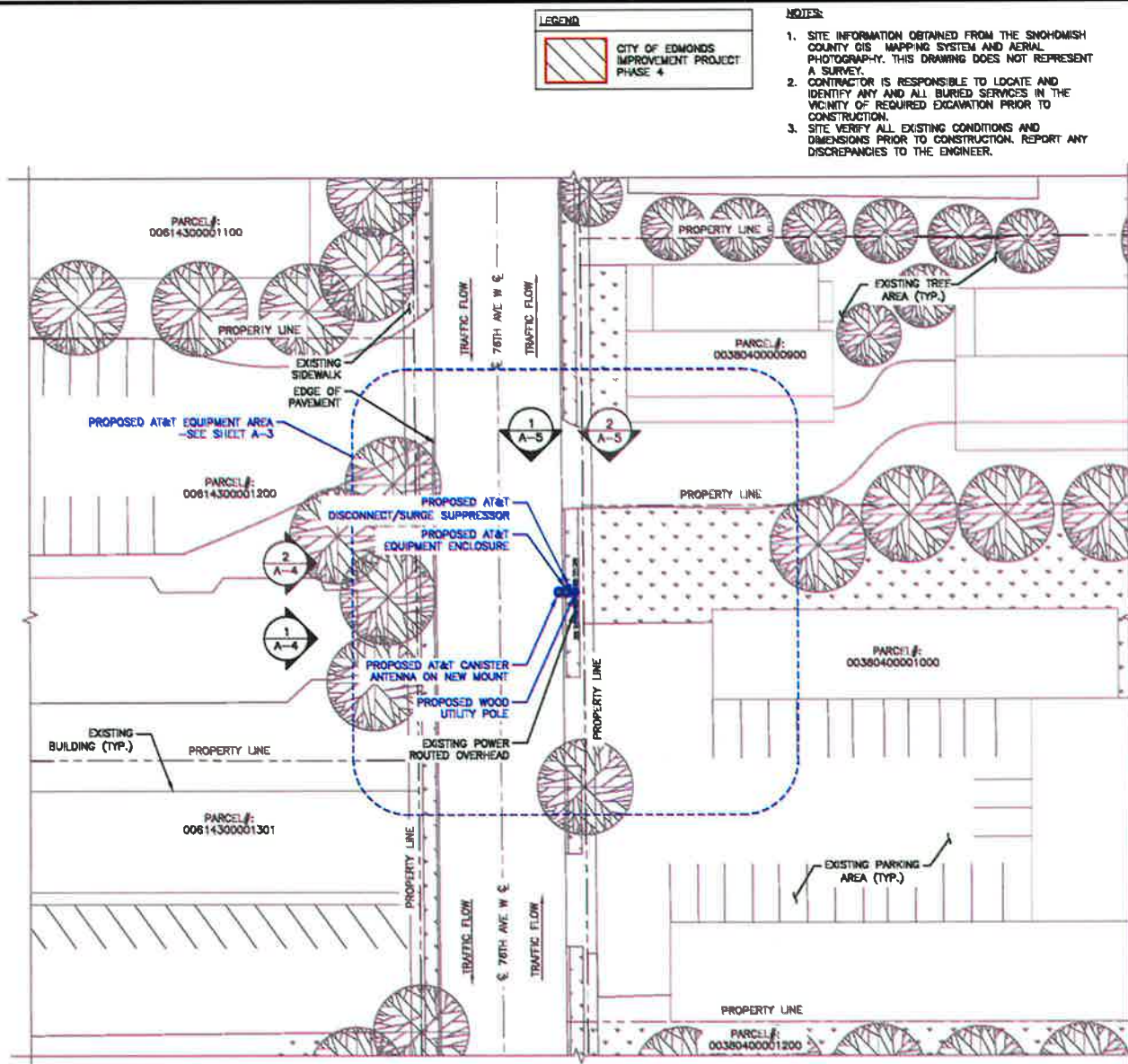
SCALE  
NTS 1

SURVEY PLAN

SCALE  
NTS 1



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- NOTES:
1. SITE INFORMATION OBTAINED FROM THE SNOHOMISH COUNTY GIS MAPPING SYSTEM AND AERIAL PHOTOGRAPHY. THIS DRAWING DOES NOT REPRESENT A SURVEY.
  2. CONTRACTOR IS RESPONSIBLE TO LOCATE AND IDENTIFY ANY AND ALL BURIED SERVICES IN THE VICINITY OF REQUIRED EXCAVATION PRIOR TO CONSTRUCTION.
  3. SITE VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.

FIBER ROUTE  
PERMITTING BY OTHERS  
SIDEWALK AND CURB TO BE  
RESTORED TO CITY OF EDMONDS  
ENGINEERING STANDARDS  
APPROXIMATELY 15%<sup>1</sup>  
EXCAVATION AREA  
EROSION CONTROL  
MEASURES NOT APPLICABLE

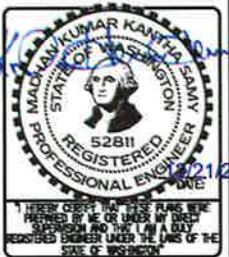


PLANS PREPARED FOR:  
**MasTec**  
Network Solutions  
32283 85TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:  
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LETS PROJ. #: M-CPW-256

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Δ	11/17/20	CLIENT COMMENTS	SPM
Δ	12/18/20	CLIENT COMMENTS	RM

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17727-003  
WAALD-003-E  
20901 76TH AVE. W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE  
OVERALL SITE PLAN

SHEET NUMBER  
**A-2**

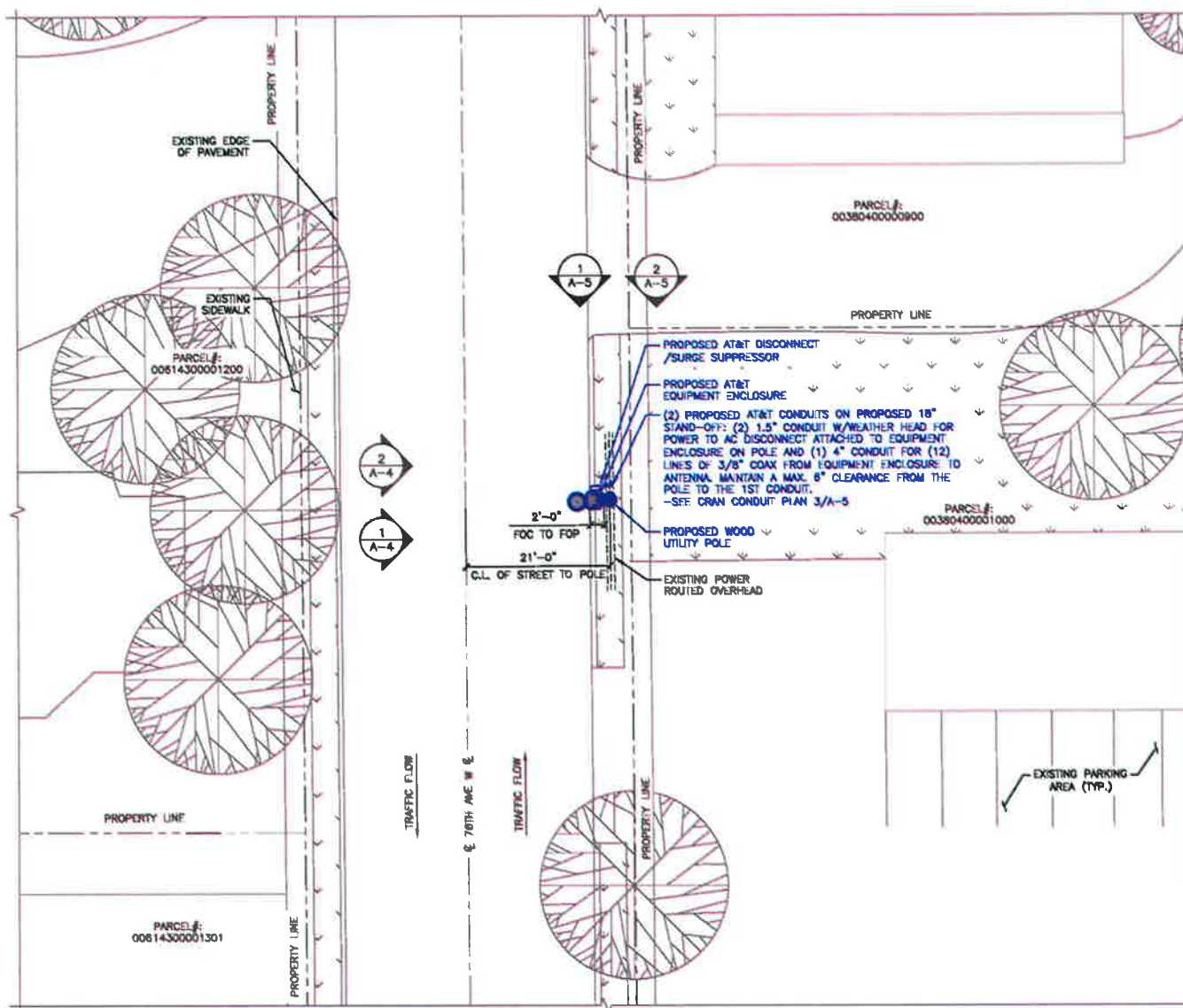
OVERALL SITE PLAN

SCALE: 1/8" = 1'-0" (25.4m)  
OR: 1/32" = 1'-0" (1.41m)



1

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FIBER ROUTE  
PERMITTING BY OTHERS

SIDWALK AND CURB TO BE  
RESTORED TO CITY OF EDMONDS  
ENGINEERING STANDARDS

APPROXIMATELY 15M<sup>2</sup>  
EXCAVATION AREA

EROSION CONTROL  
MEASURES NOT APPLICABLE

#### LEGEND

	CITY OF EDMONDS IMPROVEMENT PROJECT PHASE 4
	EXCAVATION AREA

#### CARRIER:



18821 NE 76TH WAY  
REDMOND, WA 98052

#### PLANS PREPARED FOR:

**MasTec**  
Network Solutions

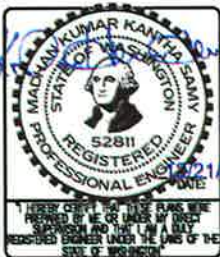
22263 80TH AVENUE SOUTH  
KENT, WA 98032

#### PLANS PREPARED BY:

**LETS**  
Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-9151  
LETS PROJ. #: 41-0000-256

REV.	DATE	DESCRIPTION	INITIALS
A	05/20/20	90% CD'S	MPR
B	06/24/20	90% CD'S	VBS
C	06/25/20	CONSTRUCTION SET	GMC
Δ	07/08/20	CLIENT COMMENTS	GMC
Δ	07/13/20	CLIENT COMMENTS	GMC
Δ	10/13/20	CLIENT COMMENTS	GMC
Δ	11/17/20	CLIENT COMMENTS	SPM
Δ	12/18/20	CLIENT COMMENTS	RMG

NOT FOR CONSTRUCTION UNLESS  
LABELED AS CONSTRUCTION SET



17727-003  
WAALD-003-E  
20801 76TH AVE W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

#### SHEET TITLE

ENLARGED SITE PLAN

#### SHEET NUMBER

A-3

ENLARGED SITE PLAN



SCALE: 1/4" = 1'-0" (GRAPHIC)  
(OR) 1/8" = 1'-0" (1:64)

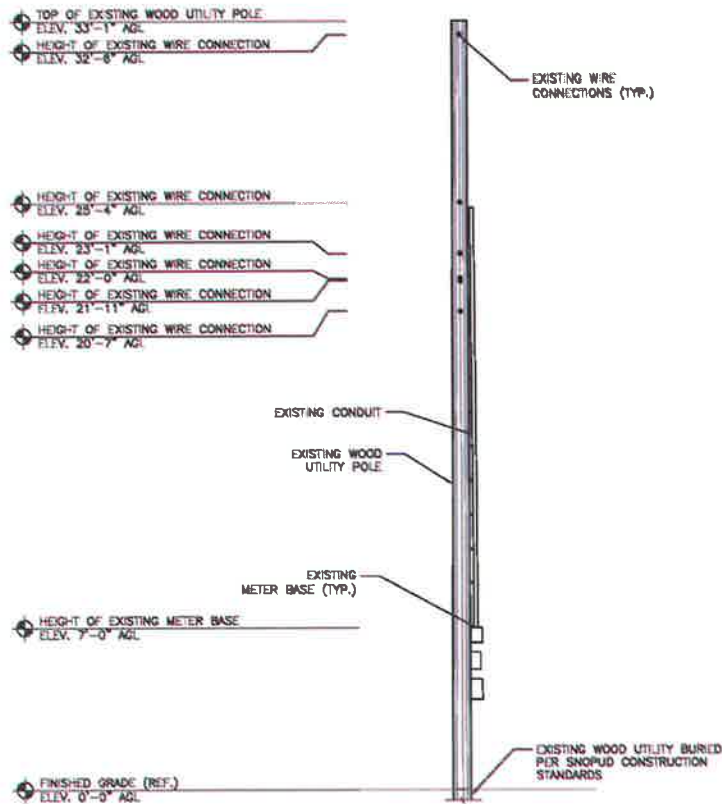


1



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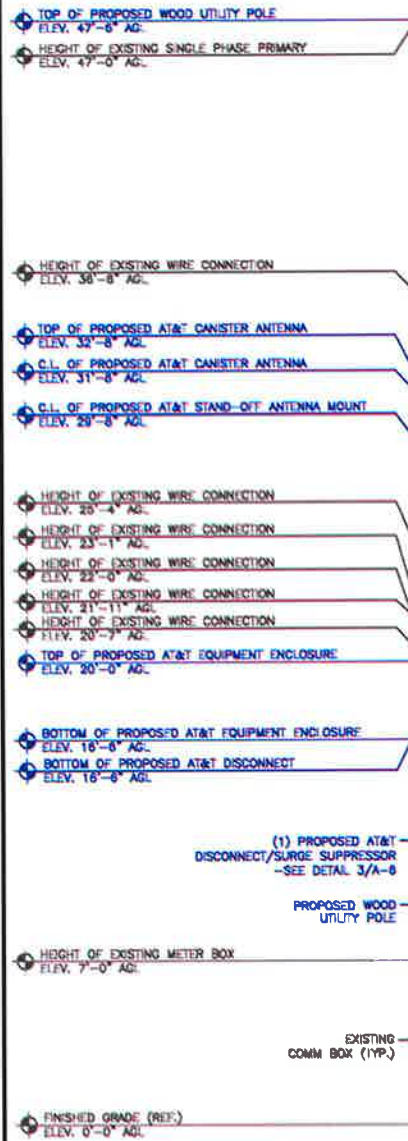
NOTE:  
• EXISTING WOOD POLE TO BE DECOMMISSIONED BY OTHERS.



EXISTING WEST POLE ELEVATION

SCALE: 3/8" = 1'-0" (MAX)  
(OR) 3/16" = 1'-0" (1 1/4")

2



PROPOSED WEST POLE ELEVATION

INSTALLER NOTE:

- INSTALL RF WARNING SIGNS PER MANUFACTURER SPECIFICATIONS.
- PRESERVE THE CLIMBING SPACE ON THE FIELD SIDE OF THE POLE.
- MAINTAIN A 6" CLEARANCE FROM THE POLE TO THE FIRST CONDUIT.
- USE 18" STAND-OFF BREAKERS
- EQUIPMENT ENCLOSURE TO BE INSTALLED ON THE STREET SIDE
- FIBER TO BE PROVIDED BY OTHERS UNDER A SEPARATE PERMIT
- NEW EQUIPMENT TO BE PAINTED WITH RF TRANSPARENT, UV RESISTANT, OUTDOOR RATED PAINT TO MATCH REPLACEMENT LIGHT POLE INCLUDING CABLES, BOXES, CONDUITS AND ANTENNAS.
- CONTRACTOR SHALL RE-INSTALL ALL EXISTING STREET SIGNS AS NEEDED ON NEW POLE.

- EXISTING WIRE CONNECTIONS (TYP.)
- (1) PROPOSED AT&T CANISTER ANTENNA -SEE DETAIL 2/A-8
  - (1) PROPOSED AT&T STAND-OFF MOUNT -SEE DETAIL 1/A-7
  - (1) PROPOSED AT&T 846 RADIO -SEE DETAIL 4/A-8

- (2) PROPOSED AT&T CONDUITS ON PROPOSED 18" STAND-OFF: (2) 1.5" CONDUIT W/WEATHER FOR POWER TO AC DISCONNECT ATTACHED TO EQUIPMENT ENCLOSURE ON POLE AND (1) 4" CONDUIT FOR (12) LINES OF 3/8" COAX FROM EQUIPMENT ENCLOSURE TO ANTENNA. MAINTAIN A MAX. 6" CLEARANCE FROM THE POLE TO THE 1ST CONDUIT. SEE GRAN CONDUIT PLAN 3/A-5

- (1) PROPOSED AT&T EQUIPMENT ENCLOSURE -SEE DETAIL 1/A-8

EXISTING CONDUIT

PROPOSED AT&T WOOD UTILITY WITH 7'-6" BURED PER SNOPOD CONSTRUCTION STANDARDS



PLANS PREPARED FOR:  
**MasTec**  
Network Solutions  
22283 80TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:  
**LETS**  
Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-9151  
LETS PROJ. #: M1-02P00-256

REV.	DATE	REVISIONS	DESCRIPTION	INITIALS
A	05/20/20	006	CD'S	MPR
B	05/24/20	006	CD'S	VMS
C	06/25/20	006	CONSTRUCTION SET	GMC
Δ	07/09/20	006	CLIENT COMMENTS	GMC
Δ	07/13/20	006	CLIENT COMMENTS	GMC
Δ	10/13/20	006	CLIENT COMMENTS	GMC
Δ	11/17/20	006	CLIENT COMMENTS	SPM
Δ	12/18/20	006	CLIENT COMMENTS	RMD

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



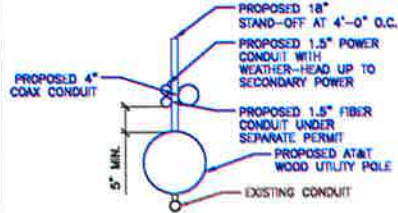
17727-003  
WAALD-003-E  
20801 76TH AVE W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE  
EXISTING AND PROPOSED WEST POLE ELEVATION

SHEET NUMBER  
**A-4**

NOTE:  
• EXISTING WOOD POLE TO BE DECOMMISSIONED BY OTHERS.

# PROPOSED CRAN CONDUIT PLAN

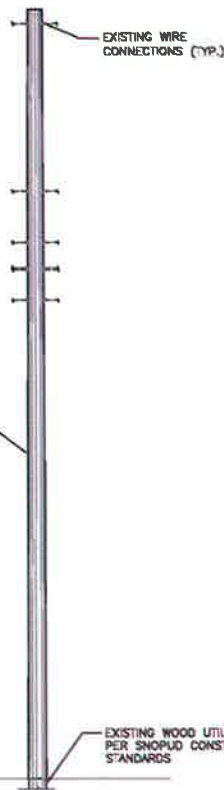


SCALE: 1" = 1' 0" (SHR) (OR) 1/2" = 1' 0" (1:12)

3

- TOP OF EXISTING WOOD UTILITY POLE  
ELEV. 33'-1" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 32'-8" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 25'-4" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 23'-1" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 22'-0" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 21'-11" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 20'-7" AGL

EXISTING WIRE CONNECTIONS (TYP.)



FINISHED GRADE (REF.)  
ELEV. 0'-0" AGL

SCALE: 3/8" = 1' 0" (24:00) (OR) 3/16" = 1' 0" (1:12)

2

- TOP OF PROPOSED WOOD UTILITY POLE  
ELEV. 47'-8" AGL
- HEIGHT OF EXISTING SINGLE PHASE PRIMARY  
ELEV. 47'-0" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 38'-8" AGL
- TOP OF PROPOSED AT&T CANISTER ANTENNA  
ELEV. 32'-8" AGL
- C.L. OF PROPOSED AT&T CANISTER ANTENNA  
ELEV. 31'-8" AGL
- C.L. OF PROPOSED AT&T STAND-OFF ANTENNA MOUNT  
ELEV. 29'-8" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 25'-4" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 23'-1" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 22'-0" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 21'-11" AGL
- HEIGHT OF EXISTING WIRE CONNECTION  
ELEV. 20'-7" AGL
- TOP OF PROPOSED AT&T EQUIPMENT ENCLOSURE  
ELEV. 20'-0" AGL
- BOTTOM OF PROPOSED AT&T EQUIPMENT ENCLOSURE  
ELEV. 18'-8" AGL
- BOTTOM OF PROPOSED AT&T DISCONNECT  
ELEV. 18'-8" AGL

PROPOSED WOOD UTILITY POLE

FINISHED GRADE (REF.)  
ELEV. 0'-0" AGL

SCALE: 3/8" = 1' 0" (24:00) (OR) 3/16" = 1' 0" (1:12)

1

## INSTALLER NOTES

- INSTALL RE WARNING SIGNS PER MANUFACTURER SPECIFICATIONS
- PRESERVE THE CLIMBING SPACE ON THE FIELD SIDE OF THE POLE.
- MAINTAIN A 6" CLEARANCE FROM THE POLE TO THE FIRST CONDUIT.
- USE 18" STAND-OFF BREAKERS
- EQUIPMENT ENCLOSURE TO BE INSTALLED ON THE STREET SIDE
- FIBER TO BE PROVIDED BY OTHERS UNDER A SEPARATE PERMIT
- NEW EQUIPMENT TO BE PAINTED WITH RE TRANSPARENT, UV RESISTANT, OUTDOOR RATED PAINT TO MATCH REPLACEMENT LIGHT POLE INCLUDING CABLES, BOXES, CONDUITS AND ANTENNAS.
- CONTRACTOR SHALL RE-INSTALL ALL EXISTING STREET SIGNS AS NEEDED ON NEW POLE

EXISTING WIRE CONNECTIONS (TYP.)

(1) PROPOSED AT&T CANISTER ANTENNA  
-SEE DETAIL 2/A-6

(1) PROPOSED AT&T STAND-OFF MOUNT -SEE DETAIL 1/A-7

(1) PROPOSED AT&T B40 RADIO  
-SEE DETAIL 4/A-8

(2) PROPOSED AT&T CONDUITS ON PROPOSED 18" STAND-OFF: (2) 1.5" CONDUIT W/WEATHER FOR POWER TO AC DISCONNECT ATTACHED TO EQUIPMENT ENCLOSURE ON POLE AND (1) 4" CONDUIT FOR (12) LINES OF 3/8" COAX FROM EQUIPMENT ENCLOSURE TO ANTENNA. MAINTAIN A MAX. 6" CLEARANCE FROM THE POLE TO THE 1ST CONDUIT. SEE CRAN CONDUIT PLAN 3/A-5

(1) PROPOSED AT&T EQUIPMENT ENCLOSURE  
-SEE DETAIL 1/A-6

(1) PROPOSED AT&T DISCONNECT/SURGE SUPPRESSOR  
-SEE DETAIL 3/A-8

PROPOSED AT&T WOOD UTILITY WITH 7'-8" BURIED PER SHOP/D CONSTRUCTION STANDARDS



10321 NE 78TH WAY  
REDMOND, WA 98052

PLANS PREPARED FOR:

**MasTec**  
Network Solutions

22223 10TH AVENUE SOUTH  
RENT, WA 98032

PLANS PREPARED BY:

**LETS**

Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-8151  
LETS PROJ. #: 01-CRAN-258

REV.	DATE	REVISIONS	DESCRIPTION	INITIALS
A	05/20/20	90% CDS	MPR	
B	06/24/20	90% CDS	VBS	
D	06/25/20	CONSTRUCTION SET	GMC	
	07/08/20	CLIENT COMMENTS	GMC	
	07/13/20	CLIENT COMMENTS	GMC	
	10/13/20	CLIENT COMMENTS	GMC	
	11/17/20	CLIENT COMMENTS	SFM	
	12/18/20	CLIENT COMMENTS	RUD	

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A duly REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WASHINGTON

17727-003  
WAALD-003-E  
20901 76TH AVE. W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE

EXISTING AND PROPOSED NORTH POLE ELEVATION

SHEET NUMBER

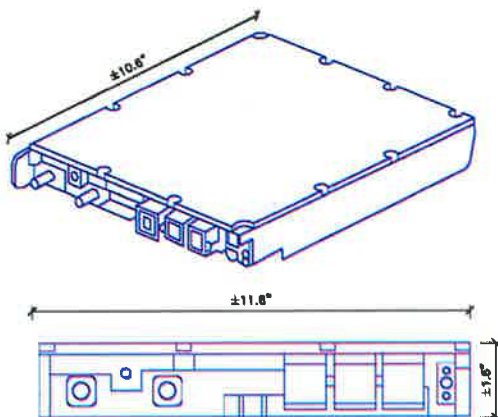
A-5

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



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

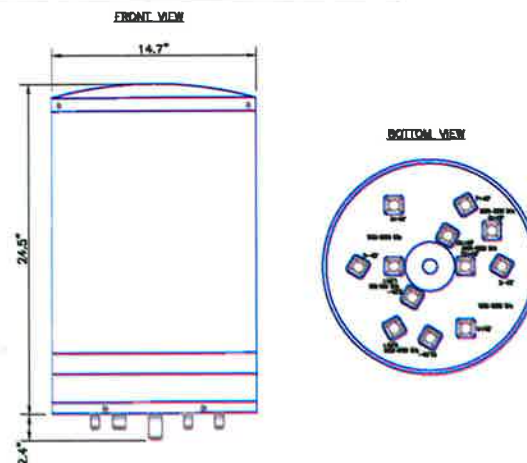
B46 AIRSCALE RRH FOR LAA (AZRA)  
MANUFACTURER: NOKIA  
PHYSICAL SIZE: DC: 4L/5 KG; AC 4.5L/5.7KG  
INTERFAC: 2 CPRI PORTS FOR FRONT-HAUL (2X0.8 GB/S)  
INPUT POWER: DC: -40.5V TO -57V  
AC: 80V TO 270V  
STANDARD COLOR: NOT TO BE PAINTED  
VOLUME: (0.863 FT) X (0.967 FT) X (0.133 FT) = 0.114 CUBIC FEET



RRH DETAIL

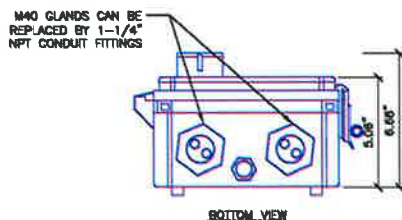
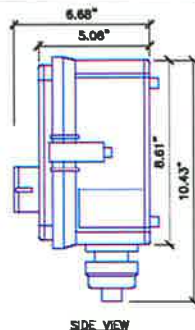
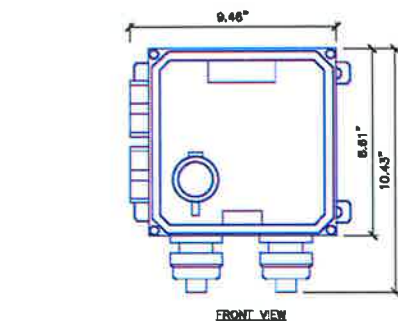
SCALE  
N.T.S. 4

PSEUDO OMNI 12-PORT CANISTER ANTENNA  
MANUFACTURER: GALTRONICS  
PART NUMBER: GQ2412-08613  
ANTENNA WEIGHT: 30.9 LBS  
ANTENNA DIAMETER: 14.7 IN  
ANTENNA HEIGHT: 24.5 IN  
STANDARD COLOR: FAIRFAX BROWN  
ANTENNA VOLUME: 3.1416 (0.6125 FT)<sup>2</sup> X 2.04 FT = 2.4 CUBIC FEET VOLUME



ANTENNA DETAIL

SCALE  
N.T.S. 2

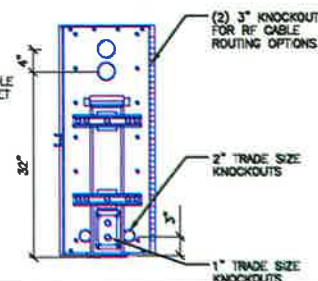
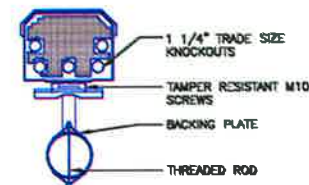
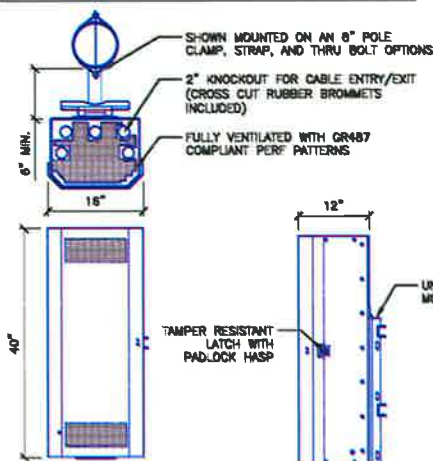


**SURGE SUPPRESSOR BOX**  
MANUFACTURER: RAYCAP  
PART NUMBER: RSCAC-1333-PS-240-A  
WEIGHT: 8.00 LBS  
DIMENSIONS (LXWXH): 9.46\" X 6.68\" X 10.43\"  
VOLUME: 0.3814ft<sup>3</sup>

SURGE SUPPRESSOR DETAIL

SCALE  
N.T.S. 3

**EQUIPMENT ENCLOSURE**  
MANUFACTURER: COMMSCOPE  
METRO CALL RADIO CONCEALMENT ENCLOSURE  
PART NUMBER: SSC-7602336114  
DESCRIPTION: PICO RADIO SOLUTION  
STANDARD COLOR: FAIRFAX BROWN  
VOLUME: (3.333 FT) X (1.333 FT) X (1 FT) = 4.442 CUBIC FEET



EQUIPMENT ENCLOSURE DETAIL

SCALE  
N.T.S. 1



PLANS PREPARED FOR:  
**MasTec**  
Network Solutions  
22883 80TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:  
**LETS**  
Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-9151  
LETS PROJ. #: M1-CPH09-258

REV.	DATE	REVISIONS	DESCRIPTION	INITIALS
A	05/20/20	006	CO'S	MPR
B	06/24/20	006	CO'S	VBS
D	06/25/20	006	CONSTRUCTION SET	GMC
Δ	07/06/20	006	CLIENT COMMENTS	GMC
Δ	07/13/20	006	CLIENT COMMENTS	GMC
Δ	10/13/20	006	CLIENT COMMENTS	GMC
Δ	11/17/20	006	CLIENT COMMENTS	SPM
Δ	12/16/20	006	CLIENT COMMENTS	RMD

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

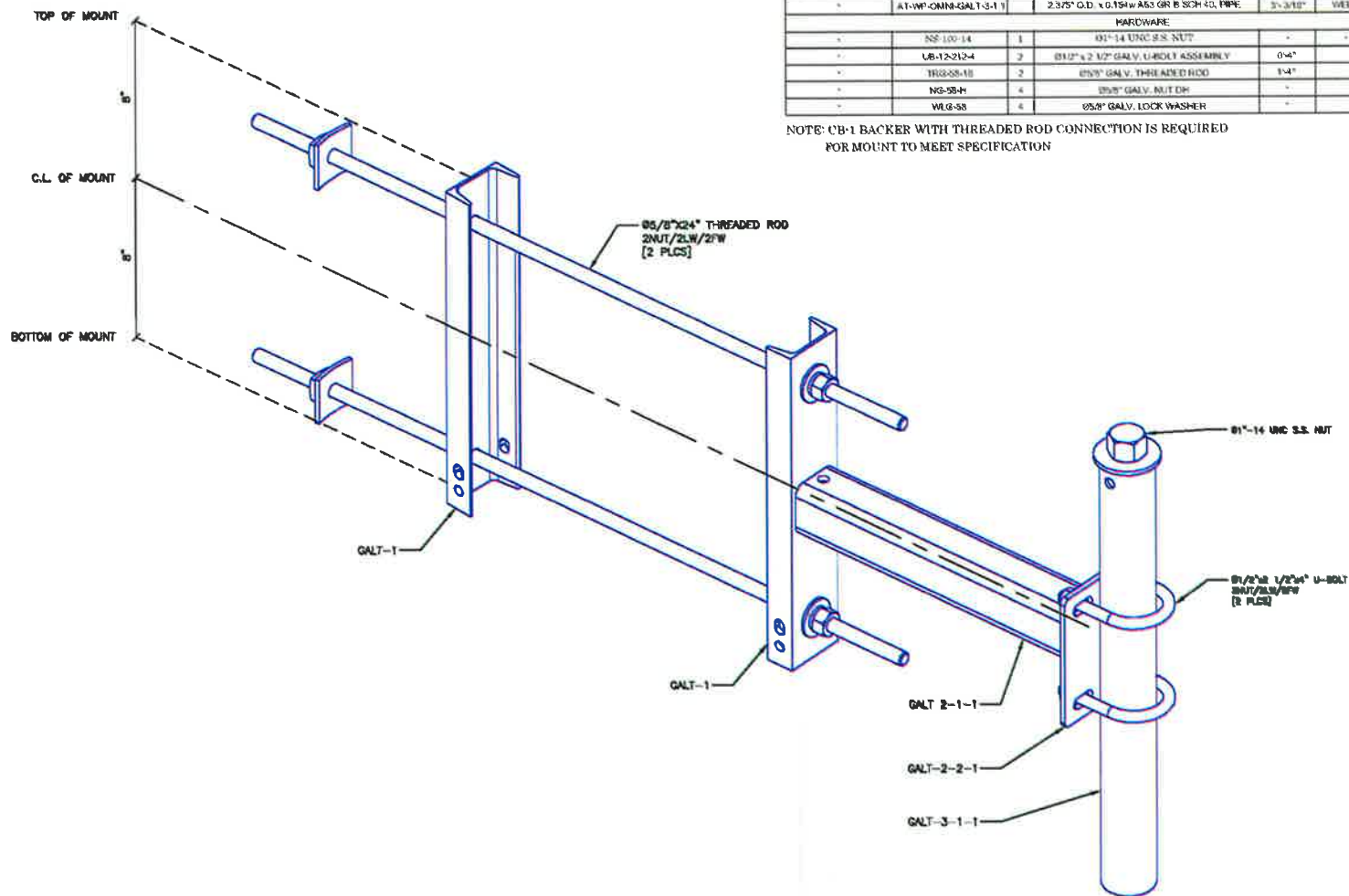


17727-003  
WAALD-003-E  
20901 76TH AVE. W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE  
**EQUIPMENT DETAILS**

SHEET NUMBER  
**A-6**

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



BILL OF MATERIALS						TOTAL GALV. WT = 4.38
SHP MARK	PG MARK	QTY	DESCRIPTION	LENGTH	REMARKS	BLKGR WT
AT-WP-OMNI-GAL-T-1	-	2	G 3X3.5 ASS	1'-4"	SAWYERBL	5.5 EA.
AT-WP-OMNI-GAL-T-2	-	1	STAND OFF WELDMENT	1'-6.58"	WELD	16.0
-	AT-WP-OMNI-GAL-T-2-1	-	HSS 2 1/2" x 2 1/2" x 1/4" ASS	1'-6"	SAWYERBL	9.5
-	AT-WP-OMNI-GAL-T-2-2	-	PL 1/4" x 5" ASS	0'-5.12"	BURN	2.2
AT-WP-OMNI-GAL-T-3	-	1	ANTENNA MOUNT WELDMENT	1'-1.14"	WELD	14.0
-	AT-WP-OMNI-GAL-T-3-1	-	2.375" O.D. x 0.154" W A53 GR B SCH 40 PIPE	5'-3/16"	WELD	6.1
HARDWARE						
-	NSF-100-14	1	101"-14 UNC S.S. NUT	-	-	-
-	UB-12-212-4	2	81/2" x 2 1/2" GALV. U-BOLT ASSEMBLY	0'-4"	-	-
-	TH22-25-10	2	875/8" GALV. THREADED ROD	1'-4"	-	-
-	NS-55-H	4	875/8" GALV. NUT DR	-	-	-
-	WL6-55	4	875/8" GALV. LOCK WASHER	-	-	-

NOTE: CB-1 BACKER WITH THREADED ROD CONNECTION IS REQUIRED FOR MOUNT TO MEET SPECIFICATION

ANTENNA MOUNT DETAIL

SCALE  
N.T.S.

1



PLANS PREPARED FOR:  
**MasTec**  
Network Solutions  
32003 80TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:  
**LETS**  
Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-9151  
LETS PROJ. #: 01-CRPM-256

REV.	DATE	REVISIONS	DESCRIPTION	BY
A	05/20/20	001	CO'S	WBS
B	06/24/20	002	CO'S	WBS
C	06/25/20	003	CONSTRUCTION SET	GMC
Δ	07/08/20	004	CLIENT COMMENTS	GMC
Δ	07/13/20	005	CLIENT COMMENTS	GMC
Δ	10/13/20	006	CLIENT COMMENTS	GMC
Δ	11/17/20	007	CLIENT COMMENTS	SPM
Δ	12/18/20	008	CLIENT COMMENTS	RMD
NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET				



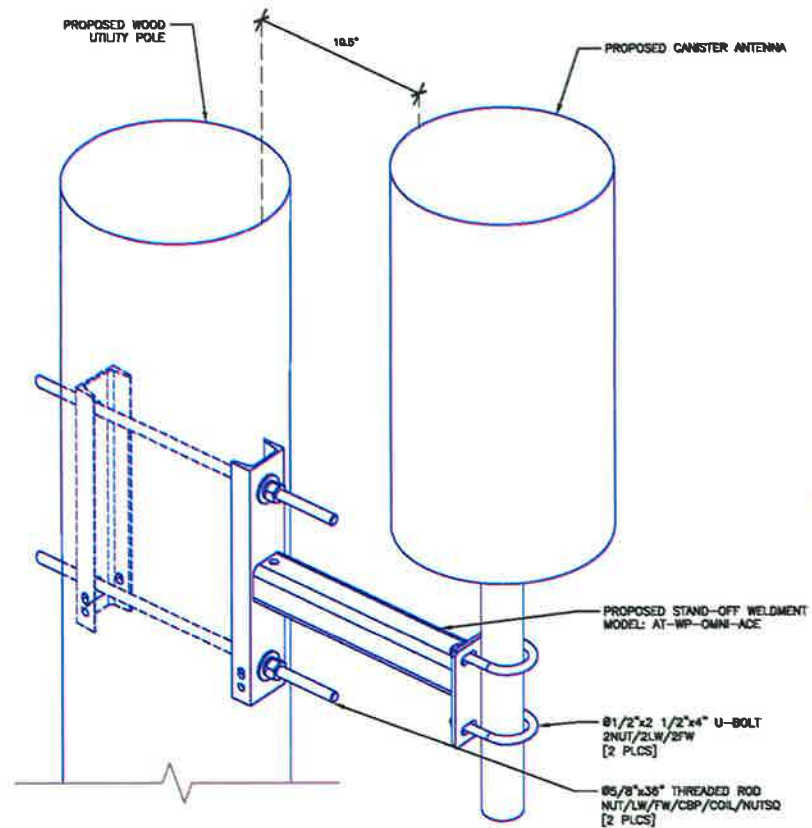
17727-003  
WAALD-003-E  
20901 76TH AVE W  
EDMUNDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE  
EQUIPMENT DETAILS

SHEET NUMBER  
**A-7**



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



NOT USED

SCALE  
N.T.S. 2

ANTENNA MOUNT ATTACHMENT DETAIL

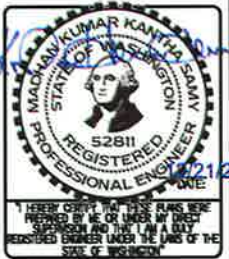
SCALE  
N.T.S. 1



PLANS PREPARED FOR:  
**MasTec**  
Network Solutions  
32283 86TH AVENUE SOUTH  
RENT, WA 98032

PLANS PREPARED BY:  
**LETS**  
Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-8151  
LETS PROJ. #: W1-ORPWN-258

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	05/20/20	ISSUE CO'S	MPR
B	06/24/20	ISSUE CO'S	VBS
C	06/25/20	CONSTRUCTION SET	GMC
⚠	07/08/20	CLIENT COMMENTS	GMC
⚠	07/13/20	CLIENT COMMENTS	GMC
⚠	10/13/20	CLIENT COMMENTS	GMC
⚠	11/17/20	CLIENT COMMENTS	SPM
⚠	12/18/20	CLIENT COMMENTS	PMO
NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET			

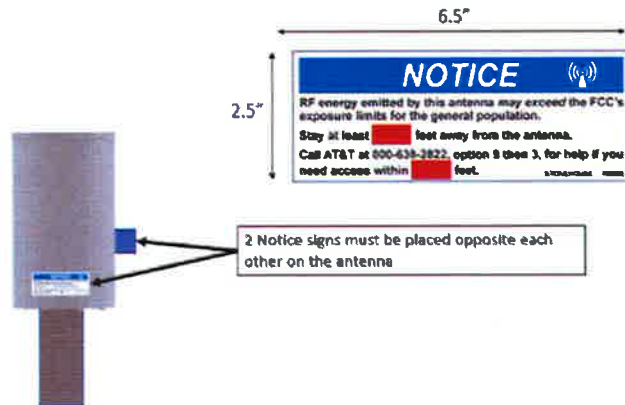


17727-003  
WAALD-003-E  
20801 76TH AVE W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

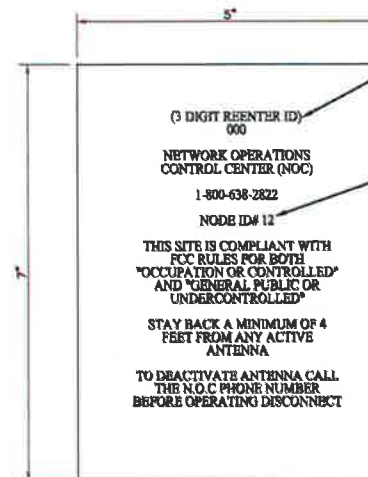
SHEET TITLE  
EQUIPMENT DETAILS

SHEET NUMBER  
**A-8**

Part #: RD899



2 Notice signs must be placed opposite each other on the antenna



RENTER I.D NUMBER SHOWN IS FOR EXAMPLE PURPOSES ONLY. THE APPROPRIATE NODE I.D SHALL BE INDICATED AT EACH NODE

NODE NUMBER SHOWN IS FOR EXAMPLE PURPOSES ONLY. THE APPROPRIATE NODE I.D. SHALL BE INDICATED AT EACH NODE

NOTE:  
WARNING SIGNS TO BE MOUNTED, IN VIEW, ON EQUIPMENT ENCLOSURE

NOTE:  
INSTALL PER MANUFACTURER SPECIFICATIONS AND FCC.



REV.	DATE	DESCRIPTION	INITIALS
A	05/20/20	90% CD'S	WFR
B	06/24/20	90% CD'S	VMS
D	06/25/20	CONSTRUCTION SET	GMC
	07/08/20	CLIENT COMMENTS	GMC
	07/13/20	CLIENT COMMENTS	GMC
	10/13/20	CLIENT COMMENTS	GMC
	11/17/20	CLIENT COMMENTS	SPM
	12/16/20	CLIENT COMMENTS	RMD



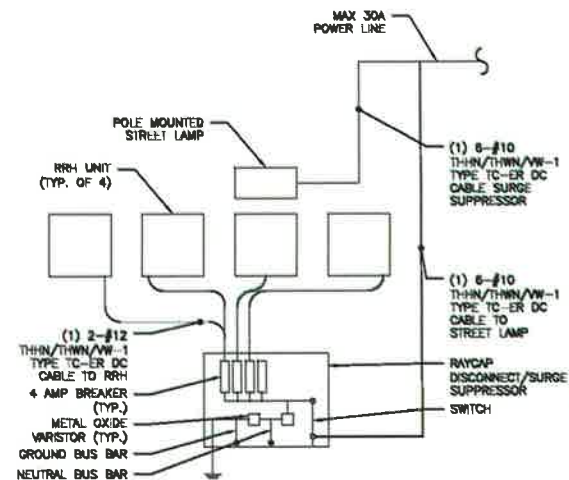
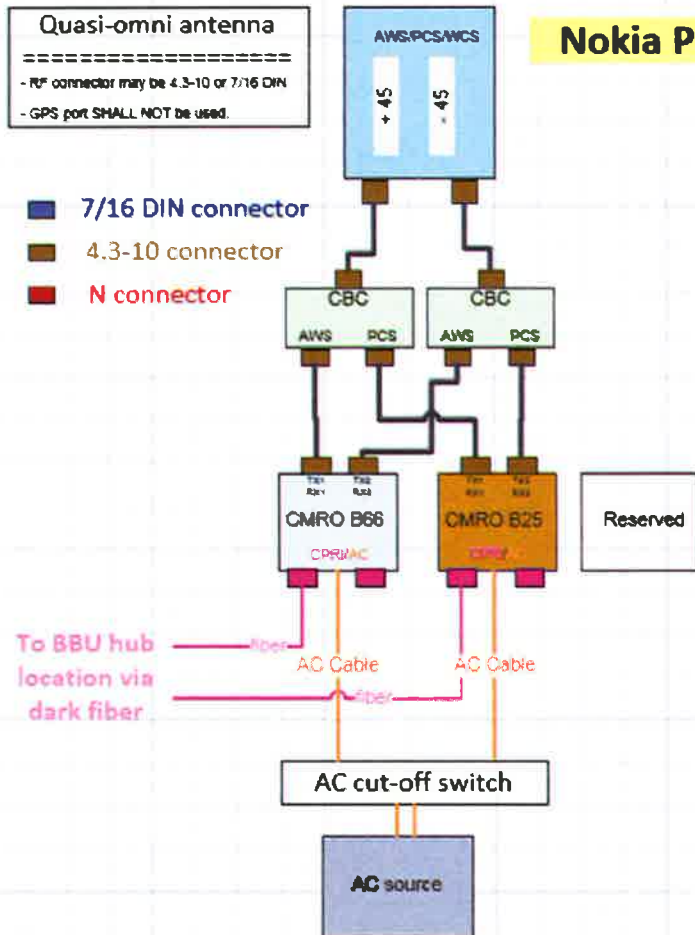
17727-003  
WAALD-003-E  
20801 76TH AVE. W  
EDMUNDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE  
RF WARNING SIGNS

SHEET NUMBER  
RF-1



## Nokia Pico – dense urban/urban, RAD center < 35'



PLANS PREPARED FOR:

**MasTec**  
Network Solutions  
22283 10TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:

**LETS**  
Engineers & Architects  
112 S. KYRENE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-6151  
LETS PROJ. #: M1-CPAN-258

REV.	DATE	DESCRIPTION	INITIALS
A	05/20/20	60% CD'S	MPR
B	06/24/20	60% CD'S	VMS
C	06/25/20	CONSTRUCTION SET	CMC
D	07/08/20	CLIENT COMMENTS	CMC
E	07/13/20	CLIENT COMMENTS	CMC
F	10/13/20	CLIENT COMMENTS	CMC
G	11/17/20	CLIENT COMMENTS	SPW
H	12/18/20	CLIENT COMMENTS	PMO

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



17727-003  
WAALD-003-E  
20901 76TH AVE W  
EDMONDS, WA 98026  
SNOHOMISH COUNTY

SHEET TITLE

PLUMBING DIAGRAM & POWER SCHEMATIC

SHEET NUMBER

**E-1**

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

1. ALL METALLIC PARTS OF THE INSTALLATION ON THE POLE SHALL BE BONDED TOGETHER AND GROUNDED
2. A COPPER GROUND WIRE, #6 AWS MINIMUM SIZE SHALL BE INSTALLED FROM THE BASE OR FEEDLINE CONNECTION POINT OF THE ANTENNA TO A GROUND ROD AT THE BASE OF THE POLE AND BE ADJACENT TO THE ANTENNA FEEDLINE CONDUIT. THE GROUND WIRE SHALL BE PERMANENTLY CONNECTED TO THE GROUND ROD
3. WHERE A CITY OF EDMONDS NEUTRAL CONDUCTOR EXISTS, THE GROUND WIRE SHALL BE PERMANENTLY BONDED TO THE CITY OF EDMONDS NEUTRAL CONDUCTOR AT THE NEUTRAL CONDUCTOR LEVEL BY CITY OF EDMONDS CREWS
4. A GROUND ROD, 8 FEET MINIMUM IN LENGTH SHALL BE INSTALLED (WHERE NO CITY OF EDMONDS GROUND ROD & INTACT GROUND WIRE EXISTS) AT THE BASE OF THE POLE. THIS INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF CONSTRUCTION GUIDELINE D18-2
5. THE GROUND WIRE SHALL BE COVERED BY A PROTECTIVE MOLDING FOR ITS ENTIRE LENGTH ON THE POLE EXCEPT AT THE POINT WHERE IT MUST BE EXPOSED FOR BONDING TO THE CITY OF EDMONDS NEUTRAL
6. THE CITY OF EDMONDS AND COMMUNICATION GROUND RODS SHALL BE BONDED TOGETHER USING COPPER #6 AWS WIRE

#### GROUNDING NOTES

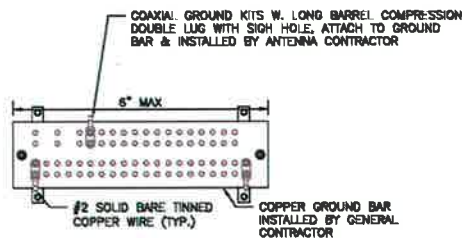
SCALE  
NTS 7

NOT USED

SCALE  
NTS 4

NOT USED

SCALE  
NTS 2

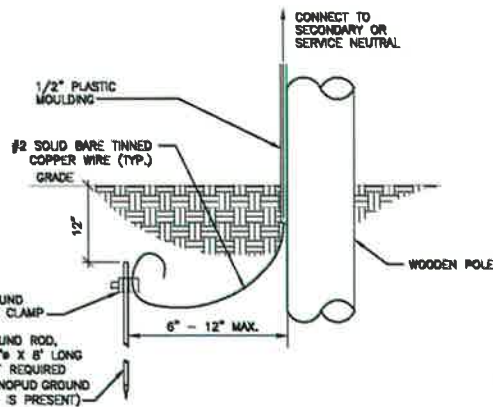


#### NOTES:

1. COAT ALL MECHANICAL CONNECTION WITH "NOOX" OR APPROVED EQUAL
2. ALL GROUND LUGS TO HAVE INSPECTION WINDOWS/SIGHT HOLES

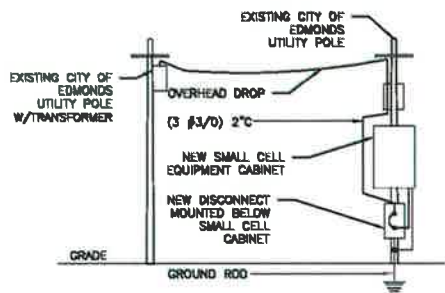
#### NOTES:

1. GROUND WIRE MOLDING SHALL BE INSTALLED OVER THE BARE GROUND WIRE TO PROTECT LINE WORKERS, THE WIRE, AND THE PUBLIC. EXTEND PLASTIC MOLDING AT LEAST TWO INCHES BELOW GRADE.
2. THE GROUND WIRE SHALL BE IN ONE CONTINUOUS LENGTH. INSERT GROUND WIRE FROM THE BOTTOM OF THE GROUND CLAMP AND BOND OVER CLAMP BEFORE TIGHTENING. CONNECT TO SECONDARY OR SERVICE NEUTRAL ON THE POLE. PLACE GROUND WIRE ON POLE BETWEEN FACE (STREET SIDE) AND SERVICE NEUTRAL.
3. DROVE GROUND ROD IN FIRM UNDISTURBED EARTH
4. REFERENCE CITY OF EDMONDS STANDARDS.



#### GROUNDING BAR

SCALE  
NTS 6



#### ONE-LINE DIAGRAM

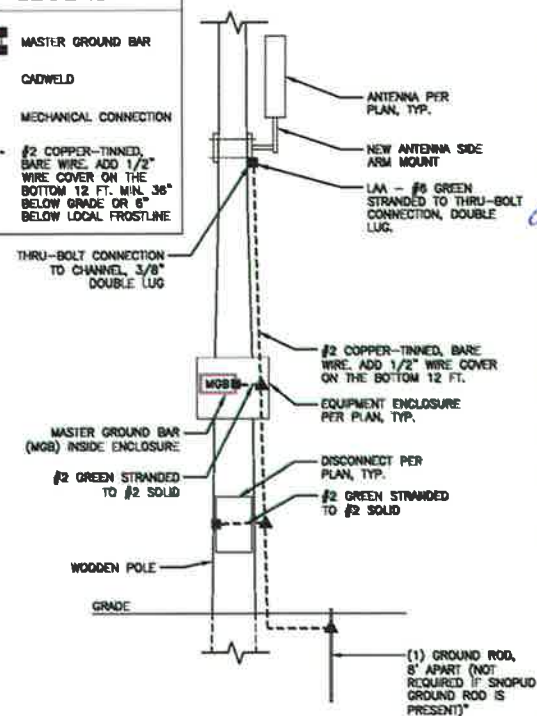
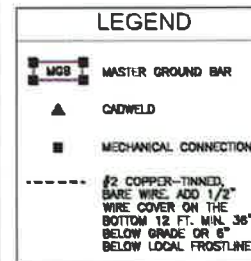
SCALE  
NTS 5

#### HARDWARE DETAIL FOR EXTERIOR CONNECTIONS

SCALE  
NTS 3

#### GROUND DIAGRAM

SCALE  
NTS 1



PLANS PREPARED FOR:  
**MasTec**  
Network Solutions  
22263 80TH AVENUE SOUTH  
KENT, WA 98032

PLANS PREPARED BY:  
**LETS**  
Engineers & Architects  
112 S. KYRNE RD. STE. 1  
CHANDLER, AZ 85226  
PHONE: (480) 981-9151  
LETS PROJ. # M1-CPNW-256

REV.	DATE	REVISIONS	DESCRIPTION	INITIALS
A	05/20/20	90% CDS	MPR	
B	05/24/20	90% CDS	VMS	
C	05/25/20	CONSTRUCTION SET	GMC	
Δ	07/02/20	CLIENT COMMENTS	GMC	
Δ	07/13/20	CLIENT COMMENTS	GMC	
Δ	10/13/20	CLIENT COMMENTS	GMC	
Δ	11/17/20	CLIENT COMMENTS	SPM	
Δ	12/18/20	CLIENT COMMENTS	RMD	

NOT FOR CONSTRUCTION UNLESS  
LABELED AS CONSTRUCTION SET



17727-003  
WAALD-003-E  
20901 76TH AVE. W  
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GROUNDING DETAILS

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G-1