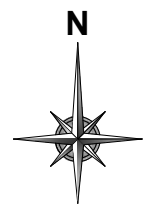




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3	GENERAL NOTES CONT.
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AT&T SITE NAME: 27107-WATCM-050-F
PACE #: MRWOR040047
FA #: 14847400
POLE #: T.B.D.
ADDRESS: 812 N. MERIDIAN, PUYALLUP, WA 98371
PROPOSED DAS SMALL CELL INSTALLATION

ENGINEER'S ESTIMATE OF MATERIALS	
QUANTITY	ITEM
1	NEW POLE - WESTERN 35.0' CONCEALMENT METAL POLE
1	NEW LUMINEER
1	NEW POLE FOUNDATION
1	GALTRONICS QUASI-OMNI 12-PORT CANISTER ANTENNA
1	NOKIA B25/B66 AIRSCALE MICRO RRH (AHFIB) W/ PSU-1200W-48-X
1	RAYCAP AC DISCONNECT W/ INTEGRATED SURGE PROTECTION
8	LINEAR FEET OF 1-2" PVC SCHEDULE 40 CONDUIT
1	TYPE 2 FIBER JUNCTION BOX



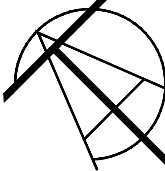
OWNER



DEVELOPER



ENGINEER



TALMAN CONSULTANTS

CONTRACTOR

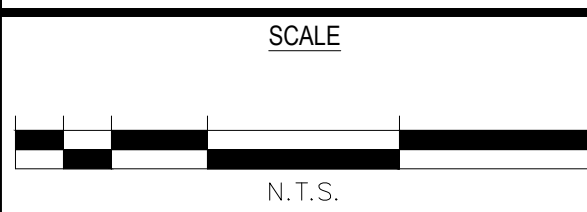
SHEET TITLE

COVER SHEET



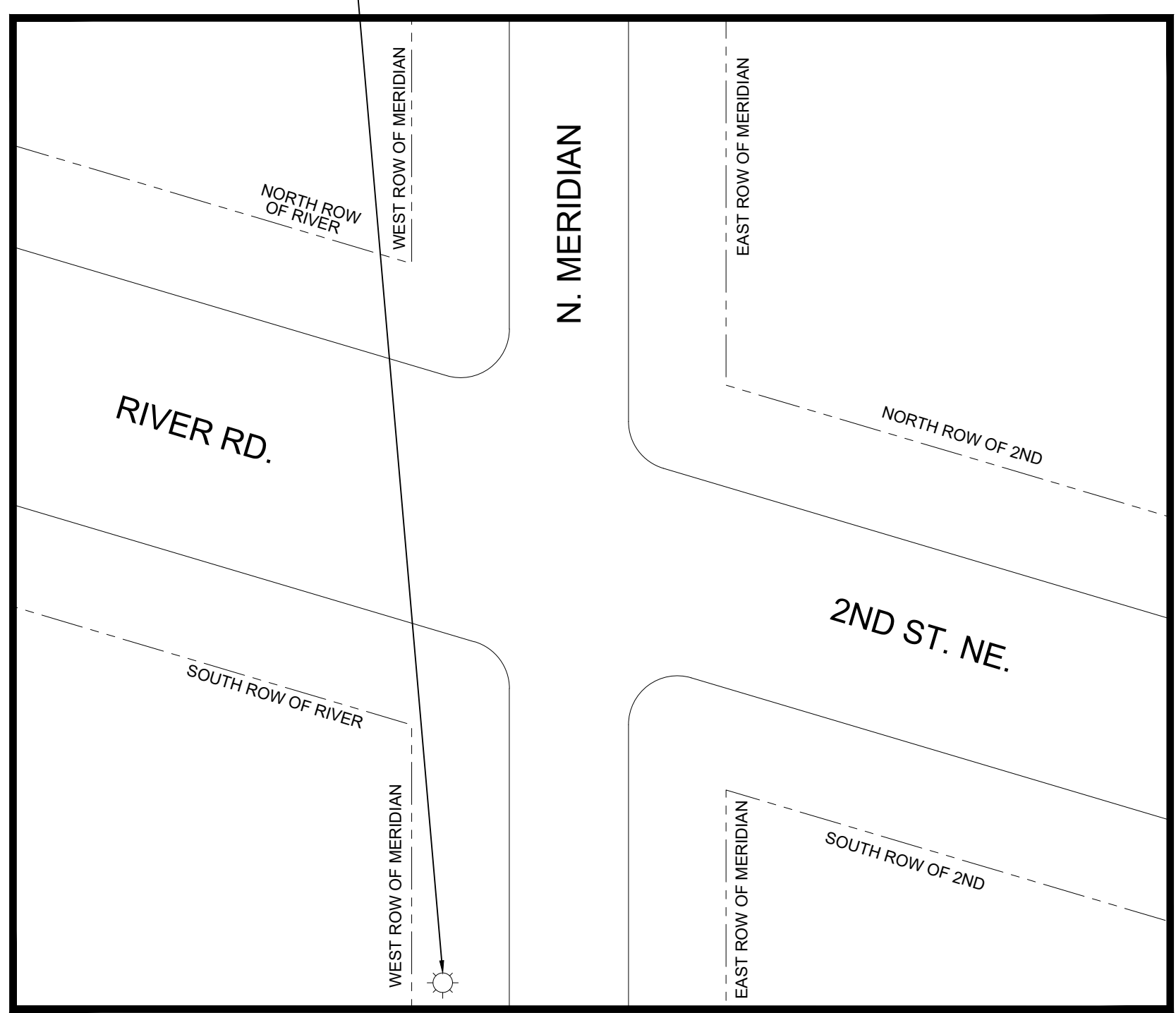
NOTE
THE FOLLOWING PLAN SET IS NOT TRANSFERABLE AND IS ONLY CONSIDERED AN OFFICIAL CONSTRUCTION DRAWING WHEN ACCOMPANIED WITH A SIGNED ENGINEERING SEAL.

DATUM
VERTICAL: NAVD 88
HORIZONTAL: NAD 83-91
BENCH MARK: NE5 MER
INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
ELEV. 45.476'



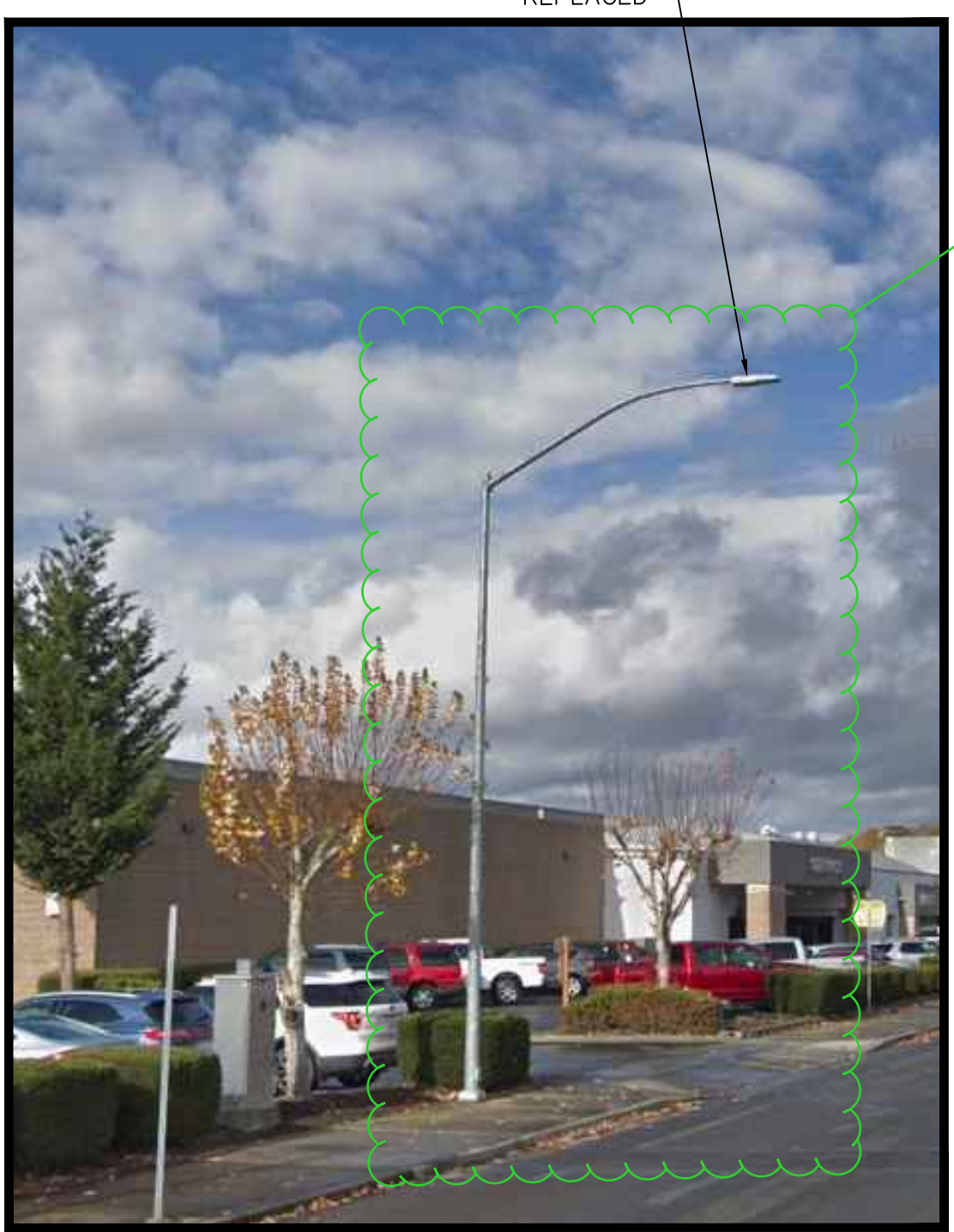
LOCATION MAP

PUYALLUP PUBLIC WORKS METAL LIGHT POLE LOCATION FOR NODE EQUIPMENT (EX. LOCATION)



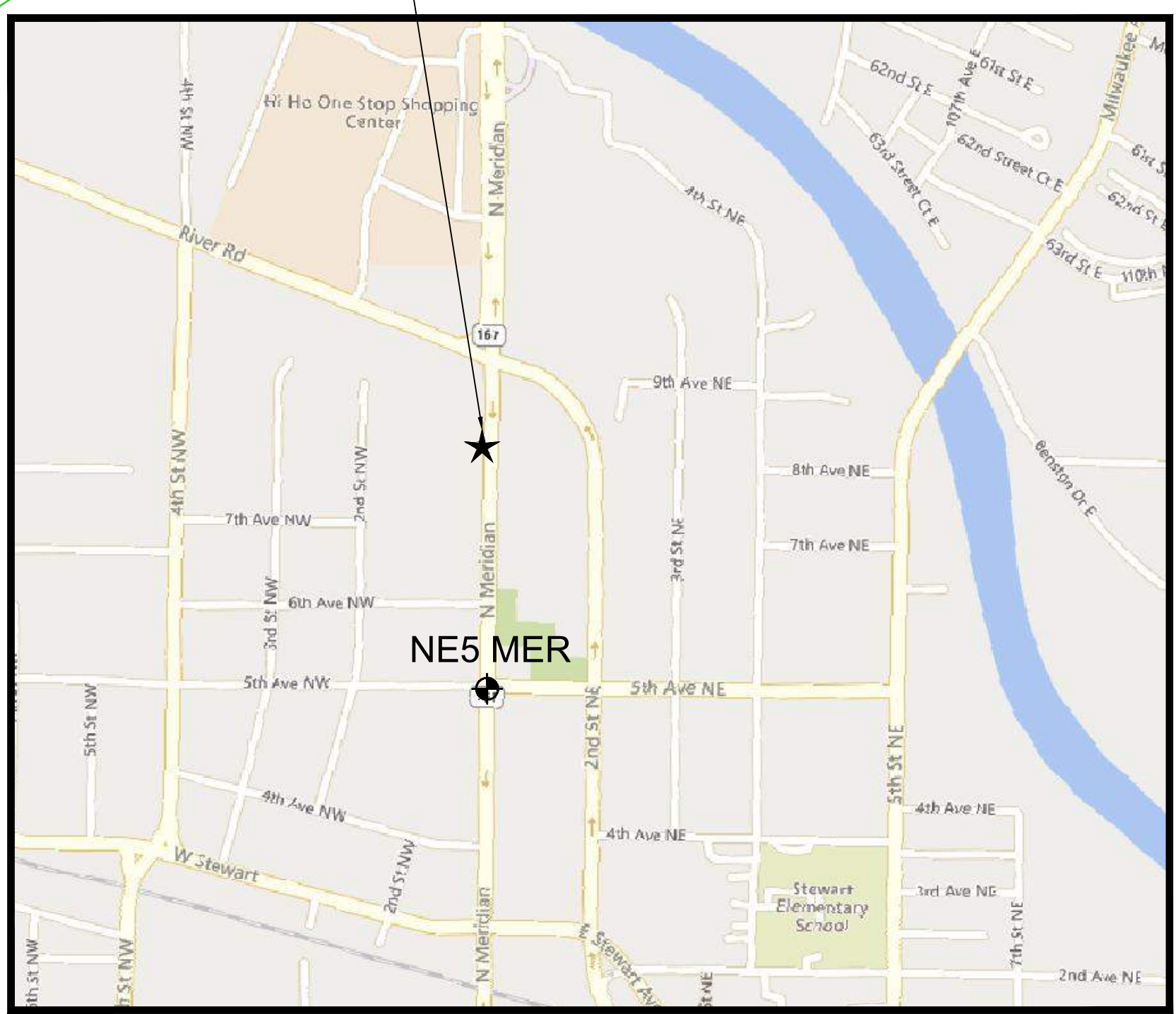
EXISTING POLE ELEVATION - LOOKING NORTHWEST

PUYALLUP PUBLIC WORKS METAL LIGHT POLE TO BE REPLACED



AREA MAP

PROJECT LOCATION



AT&T: MORIAH GOULD
 MG454G@ATT.COM - (971) 832-3579
 MASTEC NETWORK SOLUTIONS: RALETTE CHURCHWELL
 RALETTE.CHURCHWELL@MASTEC.COM - (541) 606-3680

INSTALLATION OF SMALL CELL EQUIPMENT ONTO PROPOSED PUBLIC WORKS METAL LIGHT POLE
 SITE COORDINATES (1A CERTIFICATION) LATITUDE: 47° 11' 50.71" N (47.197419°)
 SITE COORDINATES (1A CERTIFICATION) LONGITUDE: -122° 17' 38.08" W (-122.293911°)
 SITE ELEVATION (1A CERTIFICATION): 43.5' ± 3'

PROJECT DESCRIPTION:
 CITY OF PUYALLUP WORK ORDER REQUEST FOR PROPOSED INSTALLATION OF AT&T SMALL CELL EQUIPMENT AND POWER SERVICE ONTO PROPOSED PUBLIC WORKS METAL STREET LIGHT POLE.

Incorrect Address- Typ All Sheets WATCHM-050-F: SH 1J

PACE #: MRWOR040047
 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
 LAT: 47.197419° LONG: -122.293911°

UULC:
 UTILITIES UNDERGROUND LOCATION CENTER
 1-800-424-5555 OR 811
 WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

NO	REVISION	DATE	APPD	BY	DATE	FIELD BOOKS	COORDINATES	WA83_SF
7								
6								
5								
4								
3								
2	FOR PERMIT REVIEW	03/01/21	RR					
1	FOR PERMIT REVIEW	11/30/21	DP					
NO	REVISION							

CITY OF PUYALLUP
DEVELOPMENT SERVICES
 JOB TITLE
WATCHM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

DRAWING NO: 1 OF 18

ALL PROPOSED WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE ENSUING NON-INCLUSIVE CONDITIONS:

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL LAWS, REGULATIONS, AND RULES SET FORTH BY FEDERAL, STATE, AND LOCAL AUTHORITIES WITH THE JURISDICTION OVER THE PROJECT. THIS RESPONSIBILITY IS IN EFFECT REGARDLESS OF WHETHER THE LAW, ORDINANCE, REGULATION OR RULE IS MENTIONED IN THESE SPECIFICATIONS.
2. ALL WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS, AT&T PROJECT SPECIFICATIONS, AND THE CONSTRUCTION CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL HAVE AND MAINTAIN A VALID CONTRACTOR'S LICENSE FOR THE LOCATION IN WHICH THE WORK IS TO BE PERFORMED. FOR JURISDICTIONS THAT LICENSE INDIVIDUAL TRADES, THE TRADESMAN OR SUBCONTRACTOR PERFORMING THOSE TRADES SHALL BE LICENSED.
4. FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND STATE LAW AS DEFINED IN THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT.
5. PRIOR TO SUBMISSION OF THE BID, THE CONTRACTOR SHALL VISIT THE JOB SITE, VERIFY ALL DIMENSIONS AND BECOME FAMILIAR WITH THE FIELD CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.
6. DRAWING PLANS SHALL NOT BE SCALED.
7. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK NOT CLEARLY IDENTIFIED ON THE DRAWINGS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE PROJECT MANAGER.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE NOTED.
9. ALL MEANS AND METHODS OF CONSTRUCTION DEALING WITH TOWER CONSTRUCTION AND SAFETY, STEEL ERECTION, EXCAVATIONS, TRENCHING, SCAFFOLDING, FORMWORK, ELECTRICAL, AND WORK IN CONFINED SPACES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. WHEN THE CONTRACTOR ACTIVITIES IMPEDE OR OBSTRUCT TRAFFIC FLOW, CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DEVICES, SIGNS, AND FLAGMEN IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, DOT AND LOCAL REQUIREMENTS..
11. THE CONTRACTOR SHALL COORDINATE SITE ACCESS AND SECURITY WITH THE PROPERTY OWNER AND THE PROJECT MANAGER PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH UTILITIES.
13. THE CONTRACTOR SHALL CALL THE LOCAL PUBLIC UTILITY LOCATING PROVIDER (811) A MINIMUM OF THREE BUSINESS DAYS PRIOR TO EXCAVATING IN THE PUBLIC RIGHT OF WAY.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING PRIVATE UTILITIES.
15. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY UTILITIES OR FACILITIES IT DEEMS NECESSARY TO COMPLETE THE WORK. THIS INCLUDES, BUT IS NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, HEAT, LIGHTING OR SECURITY.
16. WHEN EXCAVATING IN THE AREA OF EXISTING UTILITIES, THE CONTRACTOR SHALL USE REASONABLE CARE IN PROTECTING SUCH UTILITIES. CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY OF ANY CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED CONSTRUCTION.
17. DAMAGE TO PUBLIC OR PRIVATE UTILITIES SHALL BE REPORTED TO THE PROJECT MANAGER AND THE OWNER OF THE UTILITY IMMEDIATELY. ANY DAMAGE RESULTING FROM CONTRACTORS NEGLIGENCE OR FAILURE TO ACT WITH DUE REGARD SHALL BE REPAIRED AT CONTRACTORS EXPENSE.
18. UNLESS OTHERWISE NOTED ON THE PLANS, CONTRACTOR SHALL ASSUME ALL SURFACE FEATURES SUCH AS BUT NOT LIMITED TO BUILDINGS, PAVEMENTS, LANDSCAPING FEATURES, PLANTS, ETC. ARE TO BE SAVED AND PROTECTED FROM DAMAGE. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SITE CONDITIONS AND UPON COMPLETION OF WORK REPAIR BACK TO ORIGINAL CONDITIONS ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION.
19. KEEP THE CONSTRUCTION SITE CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND SHALL BE SUBJECT TO APPROVAL BY THE PROPERTY OWNER AND THE PROJECT MANAGER.
20. THE CONTRACTOR SHALL PROVIDE ON-SITE TRASH RECEPTACLES FOR COLLECTION OF NON-TOXIC DEBRIS. ALL TRASH SHALL BE COLLECTED ON A DAILY BASIS.

GENERAL NOTES CONTINUED:

20. ALL TOXIC AND ENVIRONMENTALLY HAZARDOUS SUBSTANCES SHALL BE USED AND DISPOSED OF IN ACCORDANCE WITH THE MANUFACTURER SPECIFICATIONS. UNDER NO CIRCUMSTANCES SHALL RINSING OR DUMPING OF THESE SUBSTANCES OCCUR ON-SITE.
22. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS NECESSARY FOR CONSTRUCTION.
23. THE PROJECT MANAGER MAY RETAIN THE SERVICES OF A TESTING LABORATORY TO PERFORM QUALITY ASSURANCE TESTING ON VARIOUS PORTIONS OF THE CONTRACTORS WORK. WHEN REQUESTED, THE CONTRACTOR SHALL INFORM THE TESTING LABORATORY AND ASSIST THEM IN COMPLETING TESTS.
24. THE CONTRACTOR SHALL MAINTAIN AND SUPPLY THE PROJECT MANAGER WITH AS-BUILT PLANS UPON COMPLETION OF THE PROJECT.

ELECTRIC:

1. THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND OSHA REQUIREMENTS.
2. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
3. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS AND TRANSPORTATION FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS.
4. THE CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT AND INSPECTION FEES, AND BE RESPONSIBLE FOR SCHEDULING INSPECTIONS WITH THE AUTHORITY HAVING JURISDICTION.
5. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, IEEE, NEMA AND NFPA.
6. ALL MATERIALS SHALL BE U.L. LISTED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT.
8. MATERIALS SHALL MEET WITH APPROVAL OF THE AUTHORITY HAVING JURISDICTION.
9. THE CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATIONS TEST, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND STARTING CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
10. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY FOR CONNECTION OF THE TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.
11. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUND TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO THE PROJECT MANAGER.
12. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE PROJECT MANAGER AT JOB COMPLETION.
13. POST-INSTALLATION, ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
14. PROVIDE THE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS-INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.
15. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS NOTING USE FUNCTION.
16. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANEL BOARD, PULL BOX, J-BOX, SWITCH BOX, ETC.
17. ALL CONDUIT INSTALLED SHALL BE SURFACED MOUNTED OR DIRECT BURIAL UNLESS OTHERWISE NOTED.

ELECTRICAL CONTINUED:

18. ALL CONDUIT SHALL HAVE A PULL WIRE OR ROPE.
19. ALL CONDUCTORS SHALL BE #6 SIZE COPPER WIRE.
20. ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
21. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
22. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED TO MATCH ORIGINAL RATING.
23. BX OR ROMEX CABLE IS NOT PERMITTED.
24. ALL ELECTRICAL/FIBER ENCLOSURES, JUNCTION BOXES, CONDUIT KNOCKOUTS, RACEWAYS, ETC. SHALL BE RODENT-PROOF.
25. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.

SITE WORK:

1. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE WELL DRAINED AT ALL TIMES.
2. PERFORM ALL SURVEY, LAYOUT, STAKING AND MARKING TO ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
3. LOCATE AND CLEARLY FLAG TREES, VEGETATION AND EXISTING SITE CONDITIONS TO REMAIN UNDISTURBED DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER TO ESTABLISH INSPECTIONS AND APPROVAL PROCESS FOR ALL SITE WORK.

SMALL CELL MAINTENANCE & EMERGENCY RESPONSE PLAN:

1. AT&T HAS A STAFFED NETWORK OPERATIONS CENTER (NOC) THAT OPERATES 24x7x365. ALL ELECTRONICS INSTALLED WILL BE MONITORED REMOTELY BY THE NOC 24x7 FOR PERFORMANCE AND ALARMS. ALL ISSUES CAN BE REPORTED TO THE NOC. ANY ISSUE REPORTED WILL BE DISTRIBUTED TO THE RESPONSIBLE LOCAL TECHNICIAN(S). THE NOC IS ALSO RESPONSIBLE FOR ESCALATION AND FOLLOW-UP OF ALL ISSUES REPORTED TO ENSURE THEY ARE ADDRESSED IN A TIMELY FASHION, IF NEEDED THEY CAN BE UTILIZED TO ESCALATE AN ISSUE. THE AT&T NOC CAN BE REACHED AT (800) 638-2822 OPT 9 OPT 3, PLEASE HAVE THE NODE NAME OR THE LOCATION OF THE ISSUE WHEN CALLING.
2. AT&T FIELD OPERATIONS AND CONTRACTORS ARE TO RESPOND WITHIN ONE HOUR OF RECEIVING REPORT OF ISSUE. AT&T HAS MULTIPLE LOCAL TECHNICIANS AND CONTRACTORS TO UTILIZE AND EMERGENCIES ARE OUR TOP PRIORITY, DEPENDING ON CIRCUMSTANCES (WEATHER, TECHNICIAN AVAILABILITY AND OTHER OUTAGES) ONSITE ARRIVAL TIMEFRAME CAN BE EXTENDED TO UP TO FOUR HOURS.
3. MAINTENANCE ON THE POLE ATTACHMENTS IS MINOR. VISUAL CHECKS OF THE EQUIPMENT WILL HAPPEN QUARTERLY WITH ANY MAINTENANCE TO THE ATTACHMENT BEING SCHEDULED ON AN AS NEEDED BASIS.

SMALL CELL GRAFFITI MITIGATION PLAN:

1. AT&T FIELD OPERATIONS WILL RESPOND PER MAINTENANCE, OUTAGE AND RESPONSE PLAN TO ANY GRAFFITI TO ITS EQUIPMENT WITHIN 24 HOURS OF NOTIFICATION AND RECTIFY THE GRAFFITI WITHIN THIS TIMEFRAME. REMOVAL OF THE GRAFFITI WILL BE THE FIRST COURSE OF ACTION, IF NOT REMOVABLE IT WILL PAINTED OVER TO MATCH THE ORIGINAL COLOR OF THE EQUIPMENT.

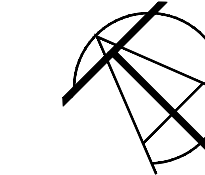
OWNER



DEVELOPER



ENGINEER



CONTRACTOR

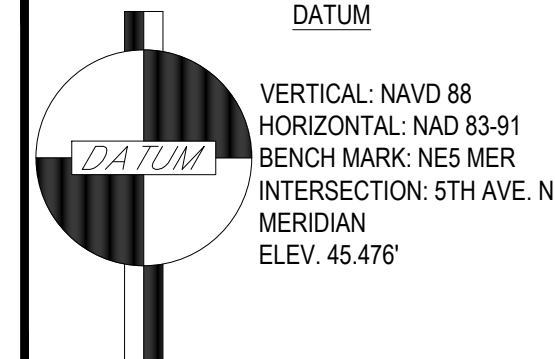
SHEET TITLE

**PUYALLUP
GENERAL NOTES**



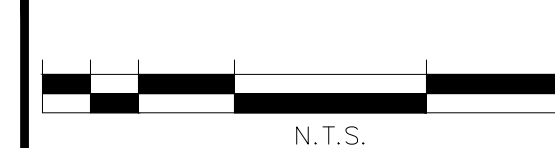
NOTE
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DATUM



VERTICAL: NAVD 88
HORIZONTAL: NAD 83-91
BENCH MARK: NES MER
INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
ELEV. 45.476'

SCALE



N.T.S.

PACE #: MRWOR040047
SCIP ID #: 27107-50-F
USID #: 275861
FA #: 14847400
POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
POLE #: T.B.D.
LAT: 47.197419° LONG: -122.293911°



UULC:
UTILITIES UNDERGROUND LOCATION CENTER
1-800-424-5555 OR 811
WWW.CALLBEFOREYOU DIG.ORG/WASHINGTON
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

7					
6					
5					
4					
3					
2		FOR PERMIT REVIEW	03/01/21	RR	
1		FOR PERMIT REVIEW	11/30/21	DP	
NO		REVISION	DATE	APPD	

FINAL CONSTRUCTION CHECKED	DATE CREATED	SCALE
	04/21/2021	N.T.S.
BY	CHECKED	APPROVED
	JW	KPB
DATE	CREATED	PROJECT #
	DP	MAS-20-4000
FIELD BOOKS	COORDINATES	SEGMENT ID
	WA83_SF	ATT-DASC-522

CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
**WATCHM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION**

DRAWING NO: 2 OF 18

ALL PROPOSED WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE ENSUING NON-INCLUSIVE CONDITIONS:

GENERAL NOTES:

- THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
- THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED IN THE CONTRACT DOCUMENTS.
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR(S) SHALL VISIT THE JOB SITE(S) AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED PER THE CONTRACT DOCUMENTS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND ENGINEER/CONSTRUCTION/PROJECT MANAGER.
- THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED ON ANY WORK NOT CLEARLY DEFINED OR IDENTIFIED IN THE CONSTRUCTION DOCUMENTS BEFORE STARTING ANY WORK.
- ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES, INCLUDING APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. IF THESE RECOMMENDATIONS ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS AND/OR APPLICABLE CODES OR REGULATIONS, REVIEW THE CONFLICT FOR DIRECTION WITH THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND ENGINEER/CONSTRUCTION/PROJECT MANAGER PRIOR TO PROCEEDING.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATION OF ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND WITH THE AUTHORIZED REPRESENTATIVE OF ANY OUTSIDE POLE OR PROPERTY OWNER.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, SIDEWALKS, ADA RAMPS, VEGETATION, GALVANIZED SURFACE OR OTHER EXISTING ELEMENTS AND UPON COMPLETION OF THE WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF MUNICIPALITY OR PROPERTY OWNER.
- KEEP THE GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION DAILY.
- PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. RELY ONLY ON ANNOTATED DIMENSIONS AND REQUEST INFORMATION IF ADDITIONAL DIMENSIONS ARE REQUIRED.
- EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST BEYOND WHAT IS NOTED. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO START OF CONSTRUCTION AND USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF UTILITIES OR OTHER AGENCY'S FACILITIES WITHIN THE LIMITS OF THE WORK, WHETHER THEY ARE IDENTIFIED IN THE CONTRACT DOCUMENTS OR NOT.

GENERAL NOTES CONTINUED:

- MOUNTING HARDWARE SUCH AS BOLTS, NUTS, LAG SCREWS, CLEVIS, CONDUIT STRAPS, STAPLES, (ANYTHING EXPOSED AND CONNECTING EQUIPMENT TO THE POLE) SHALL BE HOT DIPPED GALVANIZED, UNLESS OTHERWISE STATED. ANY DAMAGE CAUSED TO PAINTED AREAS SHALL BE TOUCHED-UP AS REQUIRED.

CARRIER CONSTRUCTION NOTES:

- CONTRACTOR IS TO FOLLOW MOST CURRENT CARRIER NADV/STANDARDS DOCUMENTS PROVIDED TO COMPLETE THIS INSTALLATION.
- CONTRACTOR TO REFER TO THE MOST CURRENT CARRIER NADV FOR APPROVED "PIM" TEST EQUIPMENT AND GUIDELINES.
- CONTRACTOR IS TO USE BATTERY POWERED "PIM" EQUIPMENT TO VALIDATE THE FINAL LOCATION OF THE COAXIAL JUMPER AND ANTENNA ARE FREE OF INTERNAL AND EXTERNAL "PIM" SOURCES.
- CONTRACTOR SHALL PROVIDE AT LEAST ONE TECHNICAL LEAD THAT IS CERTIFIED AND PROFICIENT IN EXECUTING, INTERPRETING, AND RECORDING "PIM" MEASUREMENTS.
- ALL CABLE AND CABLE EQUIPMENT IDENTIFICATION TAGGING SHALL BE PLASTIC TAGS FOR "FIBER" AND "POWER" WITHIN THE QUAZITE ENCLOSURE AND ON THE LIGHT POLE, AND SHALL COMPLY WITH THE LATEST CARRIER STANDARDS.

ROW POWER CONSTRUCTION NOTES:

- SECONDARY POWER SHALL BE DEPENDANT ON CURRENT AVAILABILITY(@ 3% DROP MIN. 60 AMPS), OR ESTABLISHED BY LOCAL POWER COMPANY DURING ACTUAL POWER WALK.
- POWER ROUTE, WIRE, AND RACEWAY SIZE WILL BE DETERMINED DURING UNDERGROUND OR OVERHEAD ENGINEERING PROCESS.
- GENERAL CONTRACTOR TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL REGULATIONS.
- CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 OR 811 3 WORKING DAYS PRIOR TO EXCAVATING.
- ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
- ALL EQUIPMENT TO BE BONDED AS REQUIRED BY LOCAL CODES AND CLIENT REQUIREMENTS.
- ALLOW 3' CLEARANCE AT METERING CABINET DOOR OPENING (IF REQUIRED).

STANDARD GROUNDING NOTES:

- GROUND TESTED AT 5 OHMS OR LESS.
- 5/8" x 10' OR 12' ROD, CAD WELD BELOW GRADE.
- MINIMUM # 6 GROUND AND BOND WIRE.
- ALL GROUND FASTENERS AND RELATED HARDWARE SHALL BE OF STAINLESS STEEL AND DIELECTRIC GREASE SHALL BE USED AT ALL CONNECTIONS. ALL GROUNDING MUST MEET OR EXCEED NESC AND ATT-TP-76416 -GROUNDING AND BONDING REQUIREMENTS FOR NETWORK FACILITIES, SECTION 1 & 7".

STANDARD CONDUIT NOTES:

- PLACE 2.5" GALVANIZED RIGID OR PVC AS REQUIRED BY LOCAL CODES FOR POWER, GROUND AND FIBER APPLICATIONS.
- ALL CONDUIT WILL BE MAN DRILLED AND EQUIPPED WITH 3/8" PULL ROPE OR PULL/ MULE TAPE.
- ALL FIBER CONDUIT WILL REQUIRE TRACER WIRE.

TALMAN CONSULTANTS

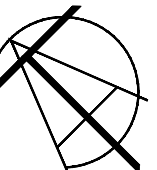
OWNER



DEVELOPER



ENGINEER



TALMAN CONSULTANTS

CONTRACTOR

SHEET TITLE

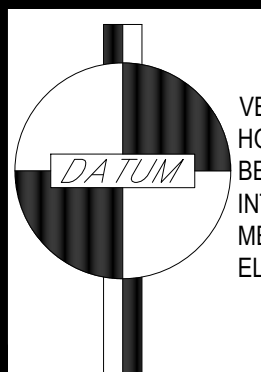
GENERAL NOTES CONT.



03/23/2022

NOTE
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DATUM



VERTICAL: NAVD 88
HORIZONTAL: NAD 83-91
BENCH MARK: NES MER
INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
ELEV. 45.476'

SCALE



PACE #: MRWOR040047
SCIP ID #: 27107-50-F
USID #: 275861
FA #: 14847400
POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
POLE #: T.B.D.
LAT: 47.197419° LONG: -122.293911°



UULC:
UTILITIES UNDERGROUND LOCATION CENTER
1-800-424-5555 OR 811
WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

7					
6					
5					
4					
3					
2		FOR PERMIT REVIEW	03/01/21	RR	
1		FOR PERMIT REVIEW	11/30/21	DP	
NO		REVISION	DATE	APPD	

FINAL CONSTRUCTION CHECKED	DATE CREATED	SCALE
	04/21/2021	N.T.S.
CHECKED	APPROVED	
JW	KPB	
DATE	CREATED	PROJECT #
	DP	MAS-20-4000
FIELD BOOKS	COORDINATES	SEGMENT ID
	WA83_SF	ATT-DASC-522

CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

DRAWING NO: 3 OF 18

OWNER:
 AT&T
 MORIAH GOULD
 20309 NORTH CREEK PARKWAY, BUILDING L
 BOTHELL, WA 98011
 MG454G@ATT.COM
 (971) 832-3579

ENGINEER:
 TALMAN CONSULTANTS, LLC
 KEVIN P. BERRY, P.E.
 141 WEST JACKSON BOULEVARD, SUITE 1600A
 CHICAGO, IL 60604
 KBERRY@TALMANCONSULTANTS.COM
 (847) 791-2770

- PROPOSED**
- PROPOSED OPEN CUT TRENCH
 - PROPOSED DIRECTIONAL BORE
- POWER**
- EXISTING POWER
 - EXISTING PS RAIL
 - POTENTIAL BURIED PS RAIL ABANDON TRACKS
- PS RAIL**
- EXISTING PS RAIL
 - POTENTIAL BURIED PS RAIL ABANDON TRACKS
- ELECTRIC**
- EXISTING ELECTRIC
 - EXISTING STREET LIGHT CONTROL BOX
 - EXISTING TRAFFIC LIGHT CONTROL BOX
 - EXISTING STREET LIGHT HANDHOLE
 - EXISTING TRAFFIC LIGHT HANDHOLE
 - EXISTING RED LIGHT CAMERA POLE
- GAS**
- EXISTING GAS MAIN
 - EXISTING GAS MAIN (DEAD)
 - EXISTING GAS CAP
 - EXISTING GAS REDUCER
- MISCELLANEOUS**
- EXISTING FENCE
 - EXISTING CONSTRUCTION FENCE
 - EXISTING GUARDRAIL
 - APPROXIMATE PROPERTY LINE/ R.O.W.
 - EXISTING BIKE RACK
 - EXISTING TREE
 - EXISTING BUSH
 - EXISTING STREET SIGN POST
 - EXISTING POST/BOLLARD
 - EXISTING GROUND LIGHT
 - EXISTING UTILITY POLE
 - EXISTING STANDPIPE
 - EXISTING ADA RAMP

- PROPOSED**
- PROPOSED BORE PIT
 - PROPOSED 30" COMMUNICATIONS HH
 - PROPOSED JUNCTION BOX
- POWER**
- EXISTING POWER MANHOLE
 - EXISTING PS RAIL MANHOLE
- PS RAIL**
- EXISTING PS RAIL MANHOLE
- ELECTRIC**
- EXISTING STREET LIGHT POLE
 - EXISTING TRAFFIC LIGHT POLE
 - EXISTING ELECTRIC POLE
 - EXISTING ELECTRIC MANHOLE
 - EXISTING ELECTRIC HANDHOLE
 - EXISTING RED LIGHT FLASH POLE
- GAS**
- EXISTING GAS MANHOLE
 - EXISTING GAS VALVE
 - EXISTING GAS METER
- MISCELLANEOUS**
- EXISTING MISCELLANEOUS MANHOLE
 - EXISTING GARBAGE CAN
 - EXISTING PARK DISTRICT MANHOLE
 - EXISTING MONITORING WELL
 - EXISTING FIRE ALARM
 - EXISTING STREET PARKING PAY BOX
 - EXISTING PEDESTAL
 - EXISTING MAILBOX
 - EXISTING NEWSPAPER BOX
 - EXISTING PHONE
 - EXISTING SPRINKLER CONTROL BOX
 - EXISTING SPRINKLER VALVE
 - EXISTING SUPPORT COLUMN

- COMMUNICATIONS**
- EXISTING AT&T
 - EXISTING AT&T (ABANDON)
 - EXISTING CROWN CASTLE
 - EXISTING CABLE TV
 - EXISTING COMCAST
 - EXISTING COMMUNICATIONS
 - EXISTING LEVEL 3
 - EXISTING LOOKING GLASS
 - EXISTING JOINT BUILD
 - EXISTING McLEODUSA
 - EXISTING MCI/VERIZON
 - EXISTING NEXTG
 - EXISTING QWEST
 - EXISTING RCN
 - EXISTING SIDERA
 - EXISTING SPRINT
 - EXISTING SUNESYS
 - EXISTING VERIZON
 - EXISTING WOW
 - EXISTING XO COMMUNICATIONS
 - EXISTING YIPES COMMUNICATIONS
 - EXISTING ZAYO GROUP
- SEWER**
- EXISTING SEWER MAIN
 - EXISTING SEWER MAIN (ABANDON)
 - EXISTING STORM SEWER MAIN
 - EXISTING MWRD MANHOLE
- WATER**
- EXISTING WATER MAIN
 - EXISTING WATER MAIN (ABANDON)
 - EXISTING WATER SHUT OFF
 - EXISTING FIRE CISTERN MANHOLE
 - EXISTING WATER CAP

- COMMUNICATIONS**
- EXISTING AT&T MANHOLE
 - EXISTING CROWN CASTLE MANHOLE
 - EXISTING CABLE TV MANHOLE
 - EXISTING COMCAST MANHOLE
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 - EXISTING XO MANHOLE
 - EXISTING YIPES MANHOLE
 - EXISTING ZAYO GROUP MANHOLE
- SEWER**
- EXISTING SEWER MANHOLE
 - EXISTING SEWER CATCH BASIN
 - EXISTING SEWER INLET
- WATER**
- EXISTING WATER MANHOLE
 - EXISTING WATER VALVE
 - EXISTING WATER METER
 - EXISTING FIRE HYDRANT
 - EXISTING WATER REDUCER

REV: 01/27/20

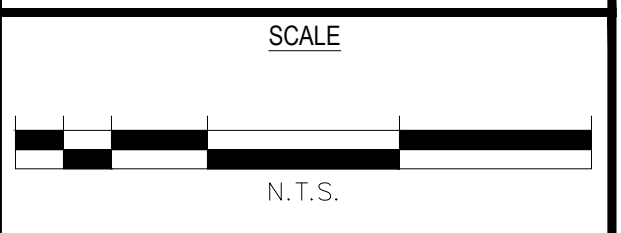
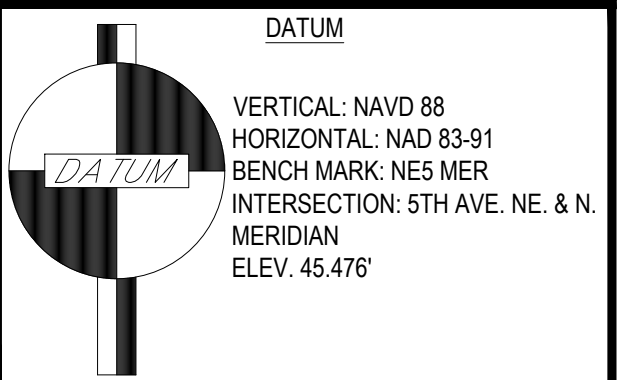


CONTRACTOR

SHEET TITLE
 LEGEND & CONTACT INFORMATION



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 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
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811
 Know what's below. Call before you dig.

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CITY OF PUYALLUP
 DEVELOPMENT SERVICES

JOB TITLE
WATCHM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

Engineering

DRAWING NO: 4 OF 18



AT&T MOBILITY - CRAN/ SMALL CELL RADIO FREQUENCY (RF) SAFETY COMPLIANCE LETTER

RF SAFETY COMPLIANCE LETTER

Date: 9/7/2020

Band	Model	700	850	PCS	AWS	WCS	5GHz	m
Antenna Power Input (W)	Galtronics GQ2412-06613	0	0	160	160	0	0	0

PURPOSE OF THIS DOCUMENT

This document confirms that the AT&T Mobility Centralized Radio Access Network (CRAN) or Small Cell defined below meets Federal Communications Commission (FCC) RF safety compliance requirements specified in 47 CFR §1.1310, if the actions specified in the "Compliance Actions" and "Completing this Compliance Letter Document" sections of this document are completed before the CRAN or Small Cell is placed into service.

DEFINITION OF SMALL CELLS INCLUDED IN THIS COMPLIANCE LETTER

The small cell antenna and its operating parameters covered by this Compliance Letter are:

- a) Antennas: Galtronics GQ2412-06613
- b) Lowest Antenna centerline height: 22 feet above ground level
- c) Transmission Frequencies: PCS,AWS
- d) Maximum Power Input per frequency into (4G) Antenna: 160,160
- e) Antenna positions: Top & Side mount (4G position)
- f) Co-locators: No other emitters are on pole/post/mounting location
- g) No accessible locations (e.g., other poles, apartment balconies) within 15 feet of the antenna at or near antenna level (this is not the safe distance)

0.5 dB cable loss considered in the calculation of safe distance for PCS band
0.5 dB cable loss considered in the calculation of safe distance for AWS band

INVALIDATION OF THIS COMPLIANCE LETTER

This Compliance Letter becomes invalid when any of the conditions above are changed or antenna positioning is altered or additional sectors are deployed

The CRAN or Small Cell team managing the cell(s) to which this Compliance Letter applies must inform HQ RAN when any of the listed changes occur and request a new Compliance Letter study.

Class 2C Sites: These are host-operated sites. AT&T RAN HQ will review EME reports provided by host companies and determine compliance based on these reports. CL will not be required for host operated sites.

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AT&T MOBILITY - CRAN/ SMALL CELL RADIO FREQUENCY (RF) SAFETY COMPLIANCE LETTER

RF SAFETY COMPLIANCE ANALYSIS

RF safety compliance was computationally evaluated using theoretical modeling contained in the FCC's OET Bulletin 65, considering a worst-case scenario in which peak power was transmitted 100% of the time was assumed. The results are based on the FCC's maximum permissible exposure limits for the general population.

Exposure analysis indicates that the safe distances are:

Horizontal Safe Distance (in feet)	10'
------------------------------------	-----

COMPLIANCE ACTIONS

Leasing Agreements

In anticipation of inquiries and concerns of employees, contract workers, and others that may work in close proximity to the antennas (collectively, "Covered Persons"), the leasing agreements will include language that obligates site owners to:

- 1) Show the antennas to all Covered Persons, as necessary;
- 2) Instruct all Covered Persons to remain at least 10 feet from the antennas;
- 3) Instruct all Covered Persons to inform the pole/post owner if there is a need to get closer than 10 feet from the antennas;
- 4) Instruct all Covered Persons to coordinate work near the antennas with the pole/post owner;
- 5) Contact AT&T at 800-638-2822, opt. 9, 3, to arrange for the appropriate antenna(s) to be de-energized when needed if Covered Persons must work near the antennas, to provide confirmation to the Covered Persons when the antenna(s) have been de-energized, and to inform AT&T when it's safe to restore energy to the antennas.

In the event any RF modifications are made to a site, AT&T must also reassess the technical parameters of the small cells identified above to confirm compliance with the FCC exposure limits.

Signage Actions

- 1) Two AT&T 8.25" x 8.25" Caution signs must be placed 5 (five) feet beneath the antenna on the antenna's boresight. The Caution sign must specify a distance of 10 (ten) feet must be kept from the antenna. The drawing in Appendix D of this document illustrates signage placement. Other options for deployment of signage may be discussed with HQ RAN Compliance Team if the pole/post owner refuses to allow signage to be posted on the pole or if other obstacles arise. The sign will inform the person of the potential for high exposure levels and provide a phone number to call and arrange for power to be removed from the antennas for the duration of work.

The drawing in **Appendix D** of this document illustrates signage placement.

Other options for deployment of signage may be discussed with HQ RAN Compliance Team if the pole/post owner refuses to allow signage to be posted on the pole or if other obstacles arise. The sign

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Page 2

RF COMPLIANCE



AT&T MOBILITY - CRAN/ SMALL CELL RADIO FREQUENCY (RF) SAFETY COMPLIANCE LETTER

will inform the person of the potential for high exposure levels and provide a phone number to call and arrange for power to be removed from the antennas for the duration of work.

- 2) The pole/post owner should advise all employees that AT&T antennas are located on some poles/posts and that the guidance provided by the signs should be followed.
- 3) The CRAN or Small Cell team managing the cell(s) must upload this letter into iComply for each pole/post site as confirmation that RF safety signage has been properly installed.

Completing this Compliance Letter Document

Review the **CRAN and Small Cell RF Safety Compliance Job Aid** for assistance with completing this Compliance Letter. The job aid may be retrieved from the Densification SharePoint using the link in Appendix C.

Actions to be taken by the HQ RF Safety Compliance Team

The HQ RAN RF Safety Compliance Team will collaborate with the C&E Densification N-PMO Team to address new issues with signage formatting, deployments, etc., as those issues arise during CRAN/Small Cell deployment.

Actions to be taken by the AT&T Market Site Acquisition PM (AMSAP)

The AMSAP shall complete the fields below for each site, but are **NOT TO SIGN** the section below.

The AMSAP may account for multiple sites/nodes by entering USIDs, FA#, and addresses for each in the spaces below.

fa	usid	SCIP Cand	Site Id	Address
14932132	216873	21154-014	WATCM-041	12701 MERIDIAN EAST,;PUYALLUP;98373
14847400	275861	27107-050	WATCM-050	100 RIVER RD,;PUYALLUP;98371

Actions to be taken by the RAN RF Design Engineer (RFDE)

The RFDE shall populate and approve the fields below, by adding a signature and date.

Name of CRAN or Small Cell RF Engineering POC: **Karl Ravago (KR575H)**

Title: **RF Design Engineer**

Recoverable Signature

X Karl Ravago

Karl Ravago
RF Design Engineer
Signed by: kr575h

Signature: **Karl Ravago**
Date of Signature: **12/10/2020**

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Page 3

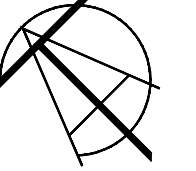
OWNER



DEVELOPER



ENGINEER



TALMAN CONSULTANTS

CONTRACTOR

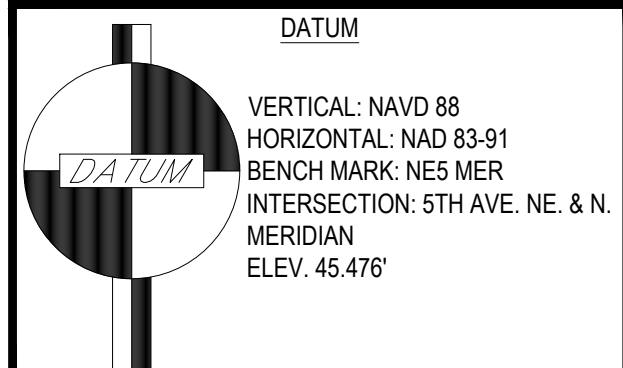
SHEET TITLE

RF COMPLIANCE



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DATUM



SCALE



PACE #: MRWOR040047
SCIP ID #: 27107-50-F
USID #: 275861
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CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

DRAWING NO: 5 OF 18

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DRAWINGS PLOTTED FULL SCALE ON 22X34 SHEETS
DRAWINGS PLOTTED HALF SCALE ON 11X17 SHEETS



AT&T MOBILITY - CRAN/ SMALL CELL RADIO FREQUENCY (RF) SAFETY COMPLIANCE LETTER

Upon completing the information above and signing, C&E or RFDE will upload the completed CL as instructed in Appendix B below.

Actions to be taken by the Mobility C&E National PMO

The Mobility C&E National PMO shall upload a copy of the unsigned CL into a SharePoint location managed by the Mobility C&E National PMO prior to site construction start. Following completion of site construction and signage actions, Mobility C&E PM will upload the signed copy of the CL into iComply, which will flow to FileNet, by following the instructions in Appendix B.

APPENDIX A: Accessing the CRAN and Small Cell Compliance Letter Library

A library of previously-issued CLs may be consulted to determine whether one of them is applicable to a new deployment.

Use this link to access previously issued Compliance Letter letters: [CRAN/Small Cells Compliance Letters](#). Contact Jan Wise (hw8938) to request access to the CL SharePoint link above.

**** Access is not granted to Non-Staff Supplemental Non-Payroll Workers (NSS NPWs) ****

1. If all the conditions in a CL are congruent with the conditions for a prospective new deployment, the CL may be applied per guidance given in the main body of this document.
2. If changes, e.g., increase in power, to an existing CL would appear to make it applicable to a new deployment, a request for modification may be made to HQ RAN Compliance Team.
3. If no usable CLS are found in the library, a request for a new CL must be made through the CRAN RF Safety Compliance mailbox (g13613@att.com)

APPENDIX B: Naming Conventions for Uploading Completed CLs into iComply

CLs completed by the field must be uploaded into iComply using the following naming convention:

1. Signed Compliance Letter Letters will be uploaded into iComply
2. If the multiple site/node option is used, the completed CL must be uploaded into all applicable locations.
3. Following file naming convention will be used for CLs when uploading into iComply
 - a. **RFS Cert_SC_FA_USID_MMDDYY** (Applies to Small Cells)
 - b. **RFS Cert_CRAN_FA_USID_MMDDYY** (Applies to CRAN)

APPENDIX C: Densification SharePoint Link

The Densification MPE Studies SharePoint link may be consulted to access:

1. CRAN and Small Cell Class 2 CL Request process flow
2. CRAN and Small Cell RF Safety Compliance Job Aid

[Job Aids and MPE Templates](#)

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AT&T MOBILITY - CRAN/ SMALL CELL RADIO FREQUENCY (RF) EXPOSURE COMPLIANCE LETTER

APPENDIX A: Accessing the CRAN and Small Cell CL Library

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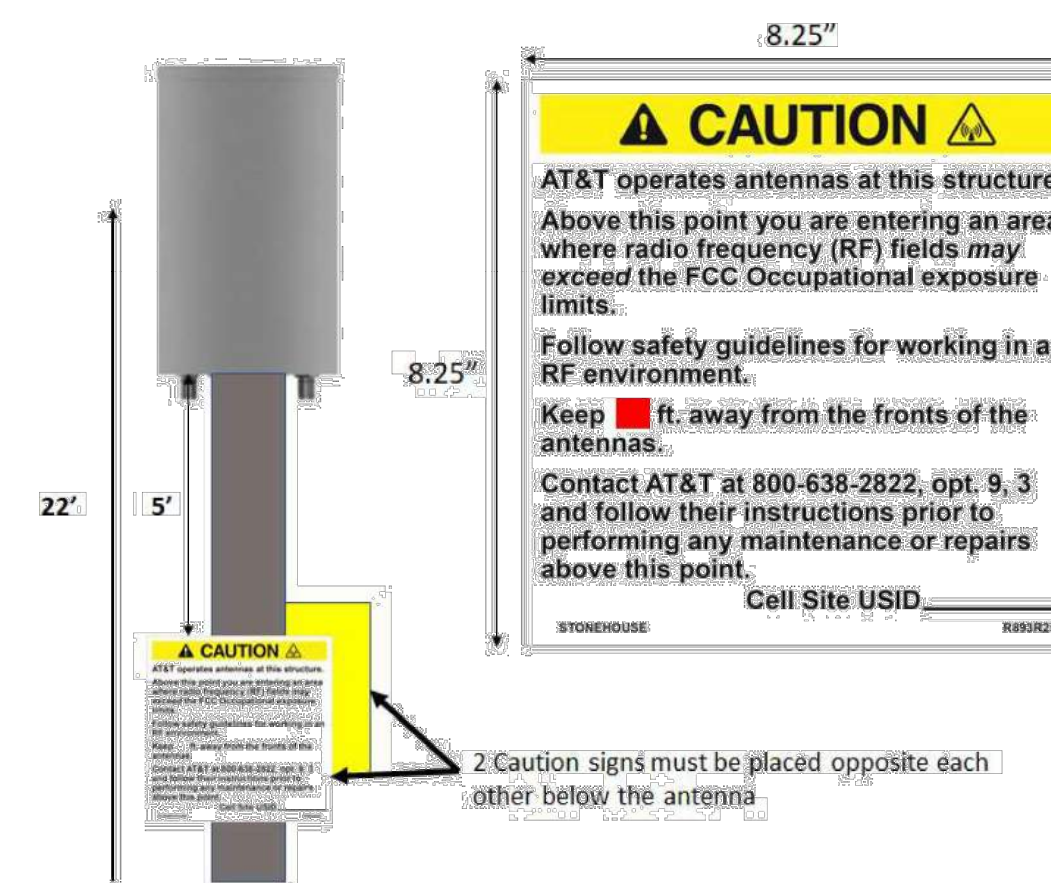
AT&T MOBILITY - CRAN/ SMALL CELL RADIO FREQUENCY (RF) SAFETY COMPLIANCE LETTER

See Appendix D (below)

APPENDIX D: Placement of RF Safety Signage.

Signage **must be ordered from ACP Intl Signs Inc.**, according to the guidance in Section 6.2 "ACP Intl signs ordering process (CRAN) in ATT-790-202-062 DAS (Distributed Antenna System) and CRAN (Centralized Radio Access Network) Signage Standard."
<http://apex.web.att.com/bookview/bookview.jsp?bookname=ATT-790-202-062&fulltext>

1. Ordering part number for this sign is: "**ABOVE R893RPE-5**"
2. Sign Dimensions are: height=8.25", width=8.25"
3. Use the supplied number pad to enter the number **10** into the blank space as shown in the sign diagram



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RF COMPLIANCE

OWNER



DEVELOPER



ENGINEER



CONTRACTOR

SHEET TITLE

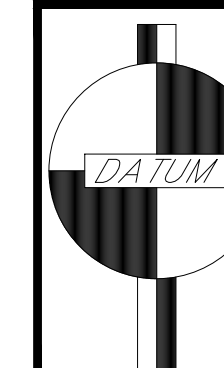
RF COMPLIANCE



03/23/2022

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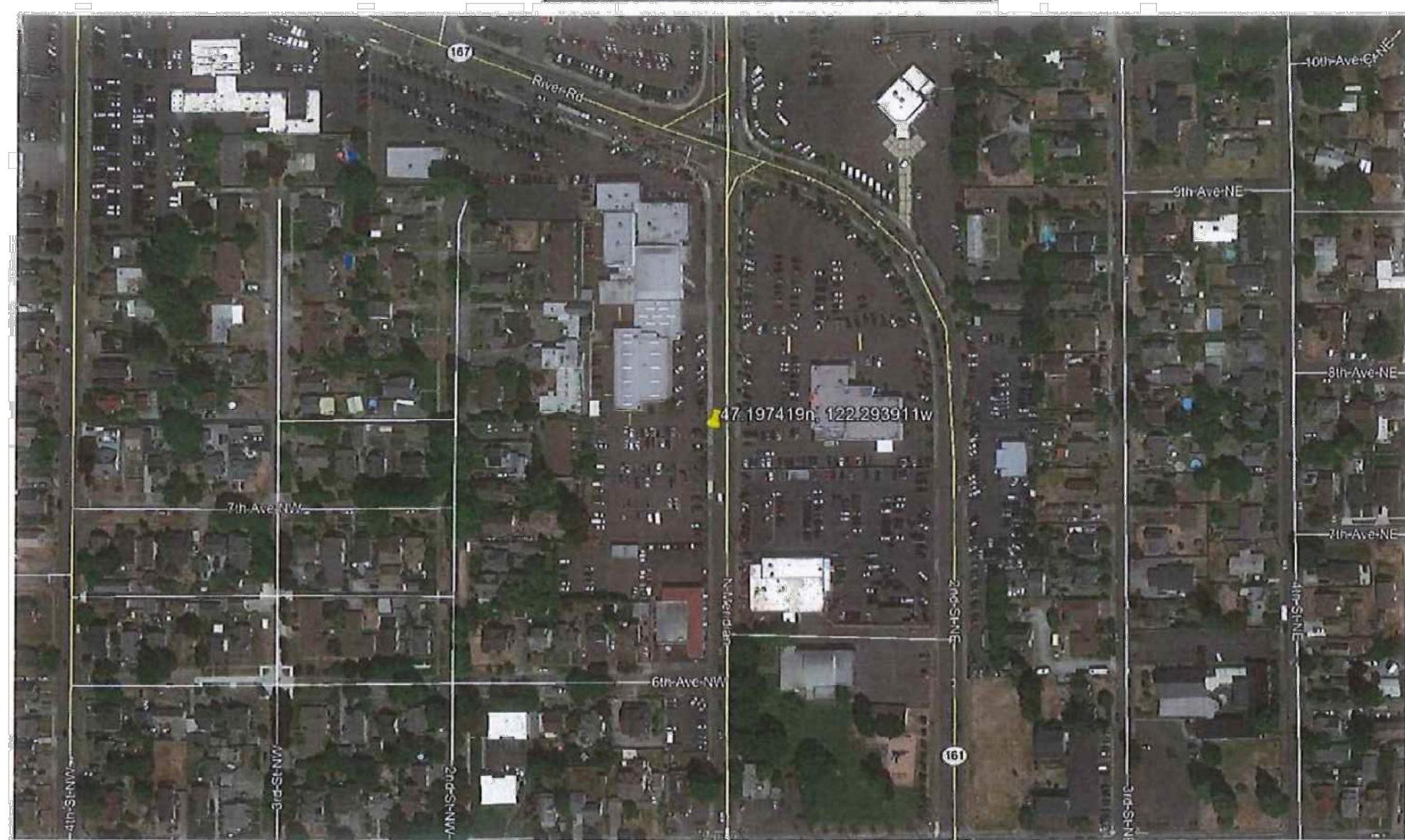
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DRAWINGS PLOTTED FULL SCALE ON 22X34 SHEETS
DRAWINGS PLOTTED HALF SCALE ON 11X17 SHEETS

1A SURVEY CERTIFICATION
Site: 27107-050-F WATCM-050-F



01792.1965 SCALE: 1"= 500'±

Address: 709 2nd Street NW
 Puyallup, WA 98371

Structure Type: Light Pole

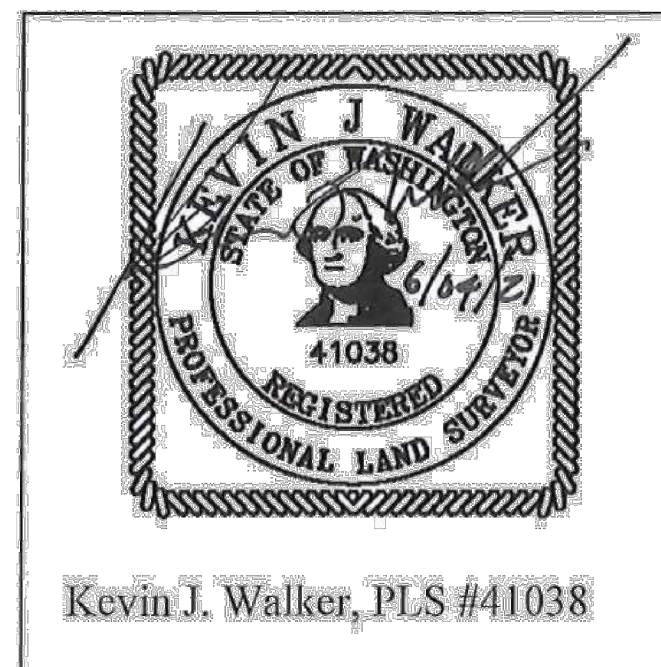
GEOGRAPHIC COORDINATES

Latitude: 47° 11' 50.71" N (NAD 83/91)
Longitude: 122° 17' 38.08" W (NAD 83/91)
Latitude: 47.197419° N (NAD 83/91)
Longitude: 122.293911° W (NAD 83/91)
Elevation-Ground: 43.5 feet (NAVD 88)

Height @ Top of Pole: 28.6 feet (AGL)

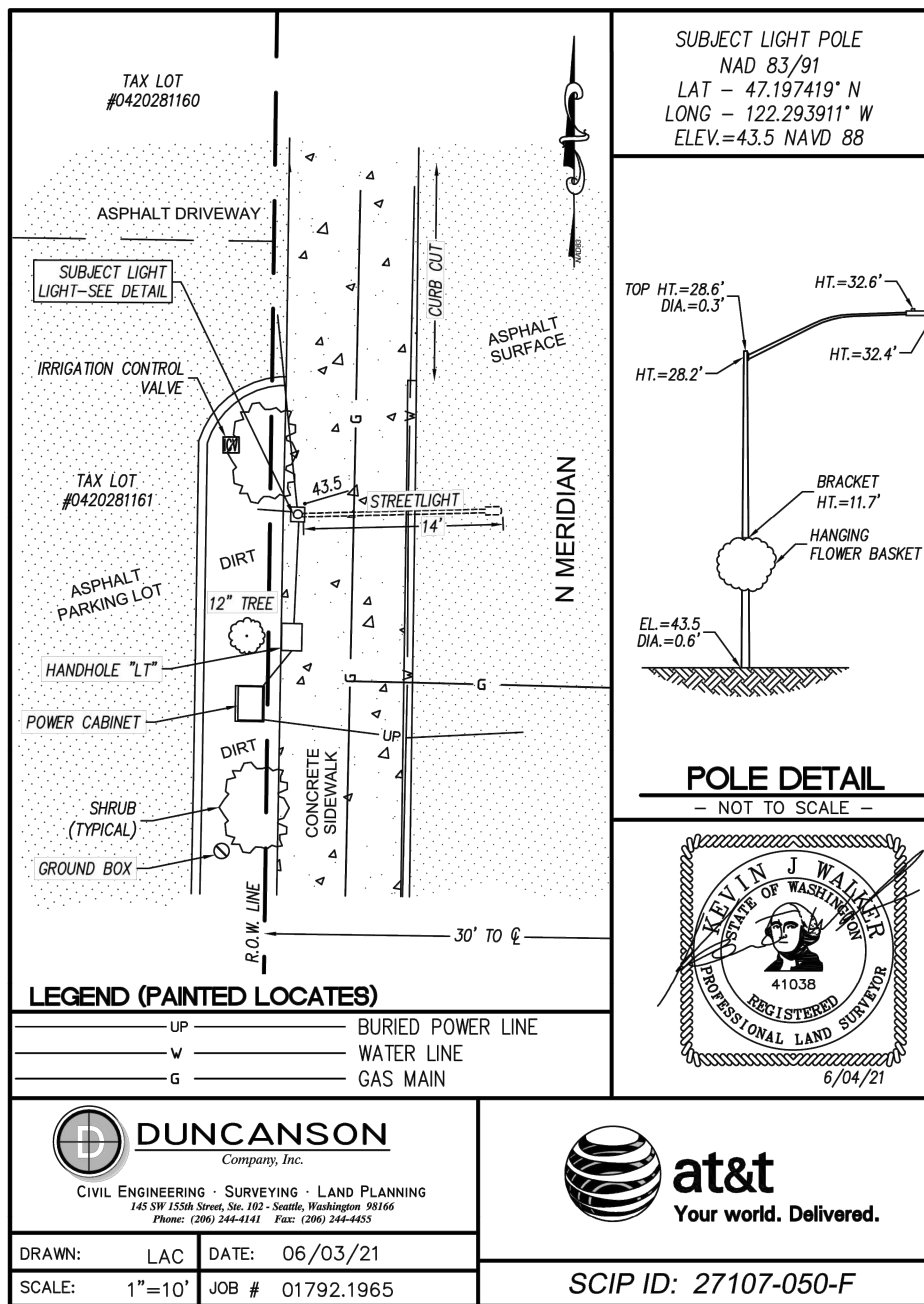
Date of Survey: June 4, 2021

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 meet 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 and as decimal degrees (°) to the nearest millionth of a degree. The vertical datum (elevation AMSL) is in terms of the North American Vertical Datum of 1988 (NAVD 88).



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1A SURVEY



BOUNDARY SURVEY

OWNER



DEVELOPER



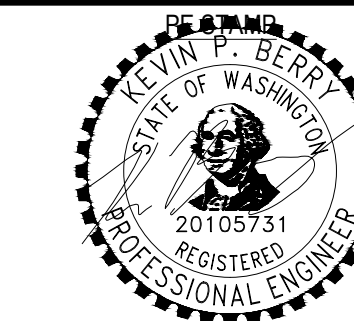
ENGINEER



CONTRACTOR

SHEET TITLE

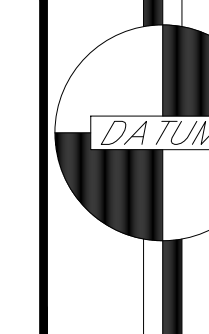
POLE SURVEY



03/23/2022

NOTE
 THE FOLLOWING PLAN SET IS NOT TRANSFERABLE AND IS ONLY CONSIDERED AN OFFICIAL CONSTRUCTION DRAWING WHEN ACCOMPANIED WITH A SIGNED ENGINEERING SEAL.

DATUM



VERTICAL: NAVD 88
 HORIZONTAL: NAD 83-91
 BENCH MARK: NES MER
 INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
 ELEV. 45.476'

SCALE



N.T.S.

PACE #: MRWOR040047
 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
 LAT: 47.197419° LONG: -122.293911°



UULC:
 UTILITIES UNDERGROUND LOCATION CENTER
 1-800-424-5555 OR 811
 WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

7						
6						
5						
4						
3						
2		FOR PERMIT REVIEW	03/01/21	RR		
1		FOR PERMIT REVIEW	11/30/21	DP		
NO		REVISION		APPD		

FINAL CONSTRUCTION CHECKED	DATE CREATED	SCALE
	04/21/2021	N.T.S.
BY	CHECKED	APPROVED
	JW	KPB
DATE	CREATED	PROJECT #
	DP	MAS-20-4000
FIELD BOOKS	COORDINATES	SEGMENT ID
	WA83_SF	ATT-DASC-522

CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

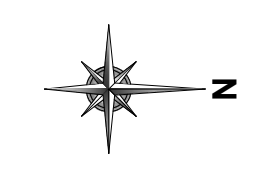
Engineering

DRAWING NO: 7 OF 18

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DRAWINGS PLOTTED FULL SCALE ON 22X34 SHEETS
 DRAWINGS PLOTTED HALF SCALE ON 11X17 SHEETS

Prior to starting site work, request an erosion and sediment inspection through the CityView portal.



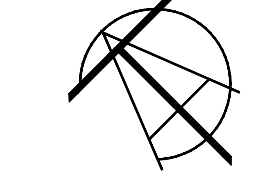
OWNER



DEVELOPER



ENGINEER

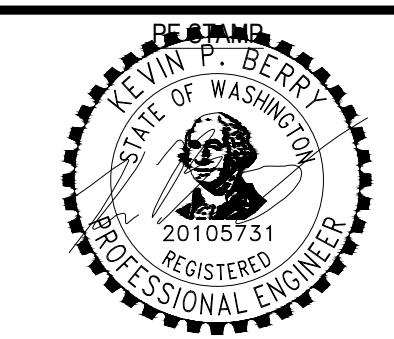


TALMAN CONSULTANTS

CONTRACTOR

SHEET TITLE

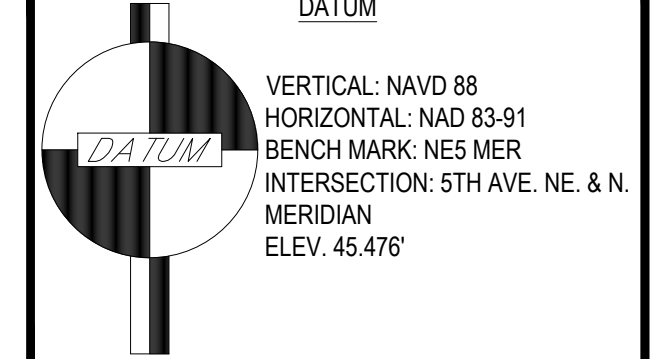
PLAN & RESTORATION VIEW



03/23/2022

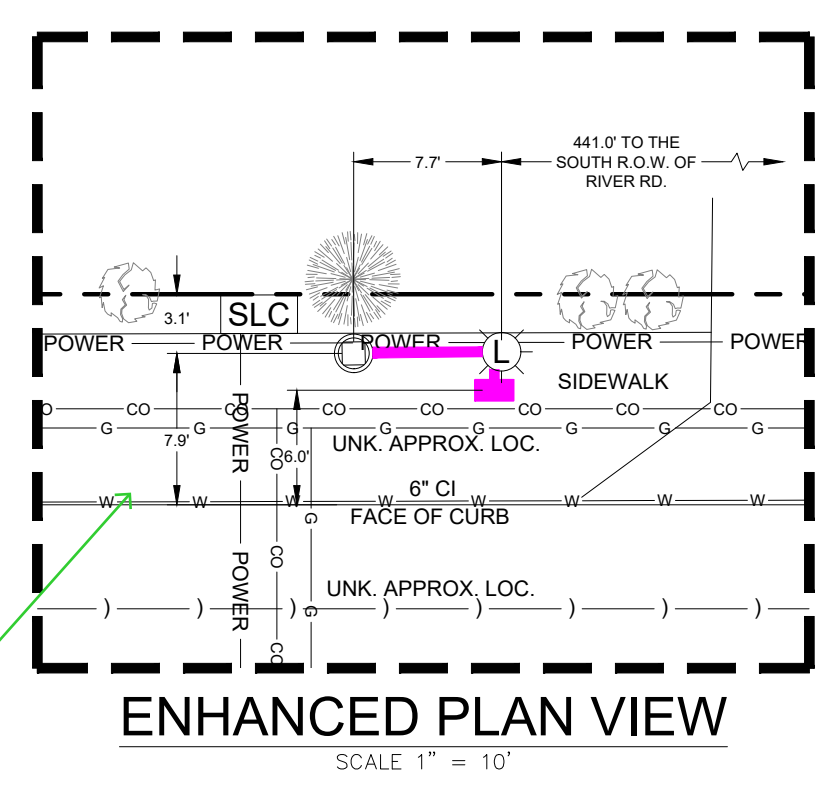
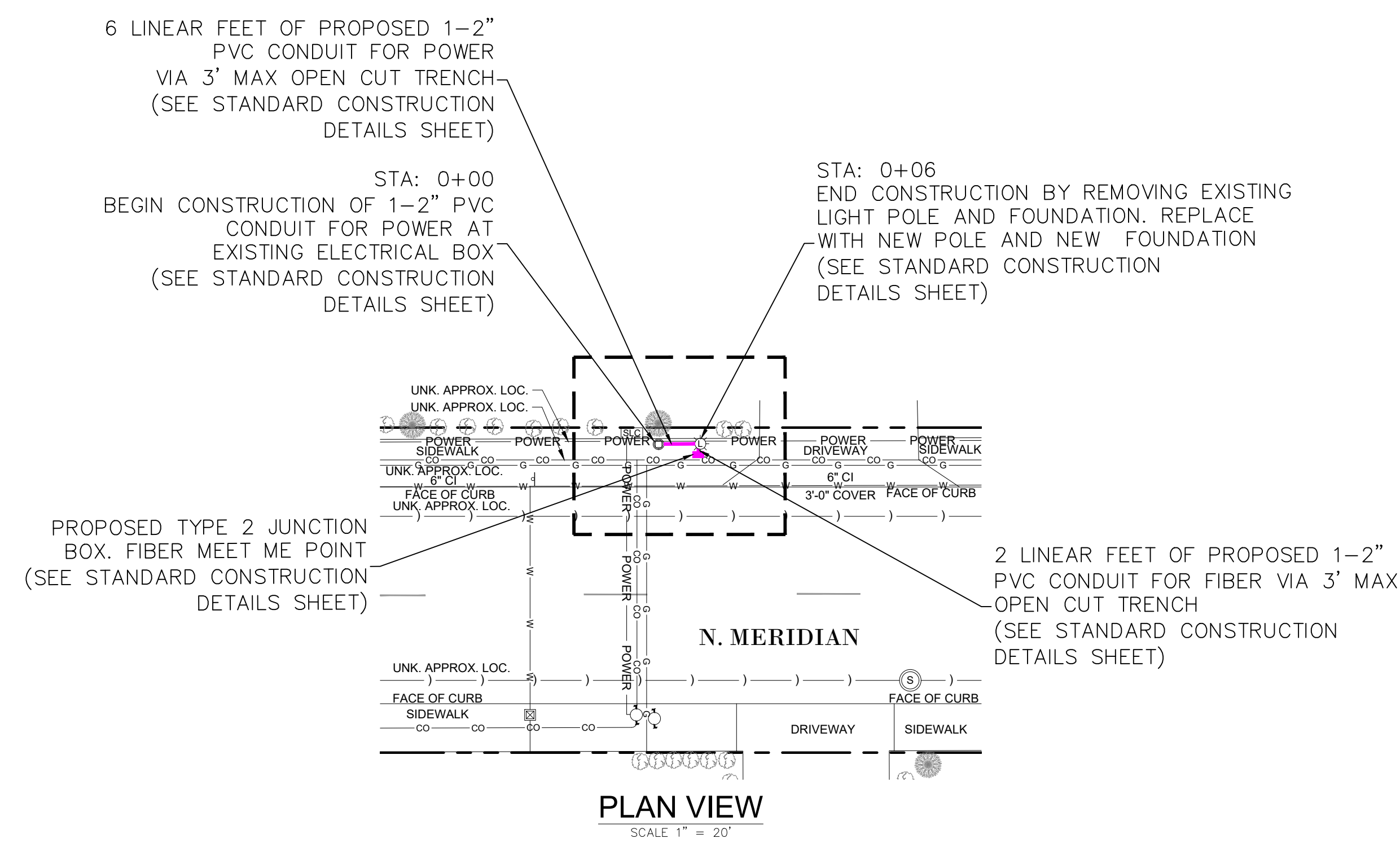
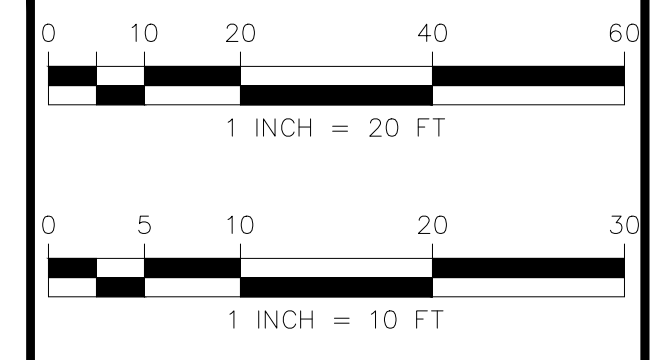
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DATUM

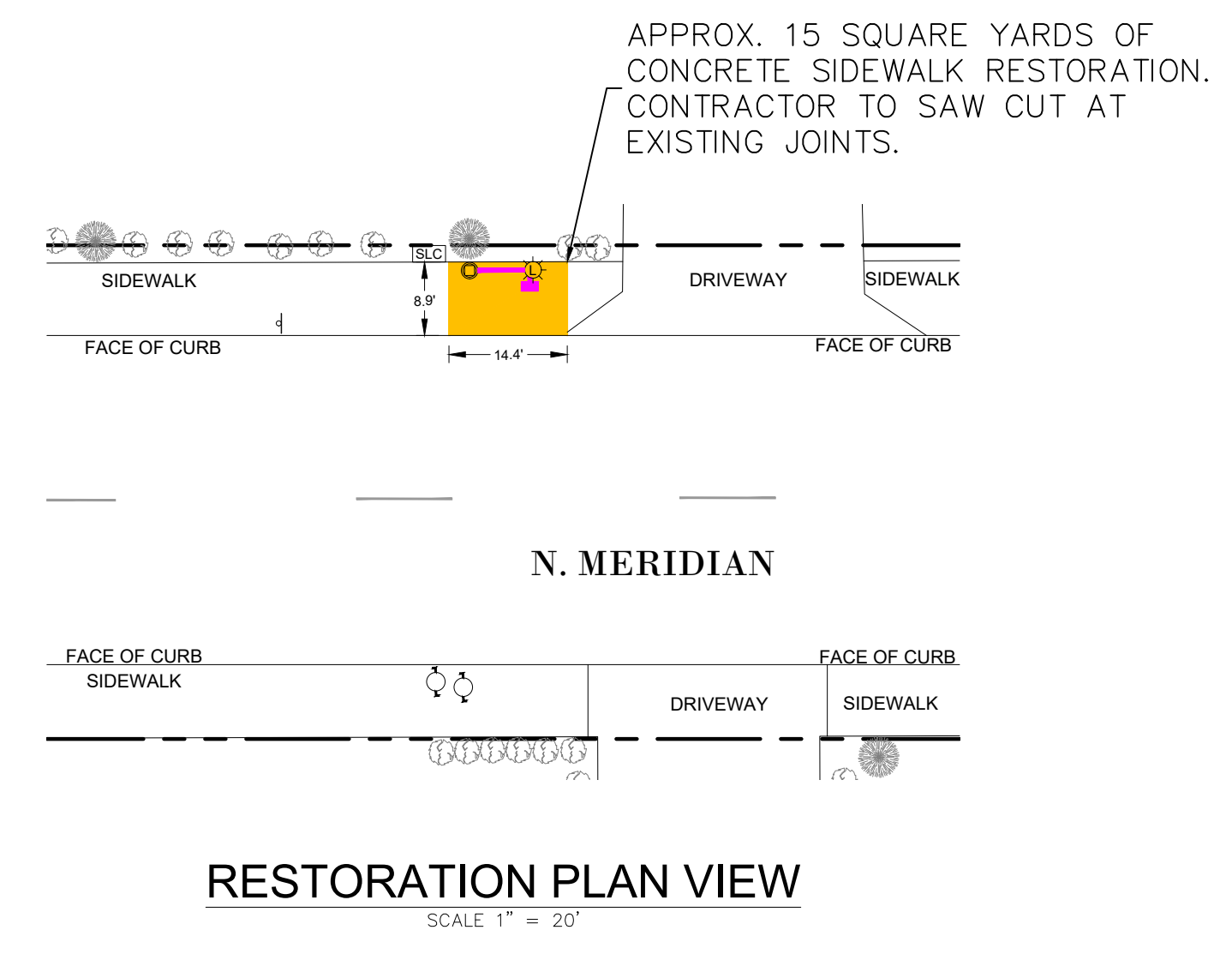


VERTICAL: NAVD 88
HORIZONTAL: NAD 83-91
BENCH MARK: NES MER
INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
ELEV. 45.476'

SCALE



Verify and show location and depth of the existing 6" CI watermain under sidewalk. Plan & Restoration View Drawing No: 8 of 18



RESTORATION LEGEND AND SUMMARY	
	RESTORATION BY OTHERS:
	CONCRETE SIDEWALK RESTORATION: 15 SY
	ASPHALT STREET RESTORATION: 00 SY
	CONCRETE STREET RESTORATION: 00 SY
	ASPHALT ALLEY RESTORATION: 00 SY
	CONCRETE ALLEY RESTORATION: 00 SY
	CONCRETE ALLEY APRON RESTORATION: 00 SY
	CONCRETE DRIVEWAY RESTORATION: 00 SY
	PARKWAY RESTORATION: 00 SY
	CURB AND GUTTER RESTORATION: 00 LF

USE EXTREME CAUTION WHEN EXCAVATING / DIGGING NEAR EXISTING UTILITIES.

NOTE:
CONTRACTOR TO RESTORE CONSTRUCTION PER THE CITY OF PUYALLUP'S RESTORATION POLICY

MISSING EXISTING UTILITY LINES:
ENGINEER WAS UNABLE TO OBTAIN LOCATION INFORMATION PRIOR TO SUBMITTING FOR CONSTRUCTION PERMIT. CONTRACTOR TO CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 OR 811 3 WORKING DAYS PRIOR TO STARTING CONSTRUCTION AND WILL TEST HOLE AND VERIFY EXISTING UTILITY LOCATION & DEPTH WHERE PROPOSED CONDUIT WILL BE CROSSING EXISTING UTILITY.

PACE #: MRWOR040047
SCIP ID #: 27107-50-F
USID #: 275861
FA #: 14847400
POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
POLE #: T.B.D.
LAT: 47.197419° LONG: -122.293911°

Know what's below.
Call before you dig.

UULC:
UTILITIES UNDERGROUND LOCATION CENTER
1-800-424-5555 OR 811
WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

NO	REVISION	DATE	APPD	BY	DATE	FIELD BOOKS	COORDINATES	SEGMENT ID	ATT-DASC-522
7									
6									
5									
4									
3									
2	FOR PERMIT REVIEW	03/01/21	RR						
1	FOR PERMIT REVIEW	11/30/21	DP						
NO									

CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
WATCHM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

DRAWING NO: 8 OF 18

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DRAWINGS PLOTTED FULL SCALE ON 22X34 SHEETS
DRAWINGS PLOTTED HALF SCALE ON 11X17 SHEETS

MOT WORK HOUR RESTRICTIONS: 9:00 AM - 3:30 PM WEEKDAYS

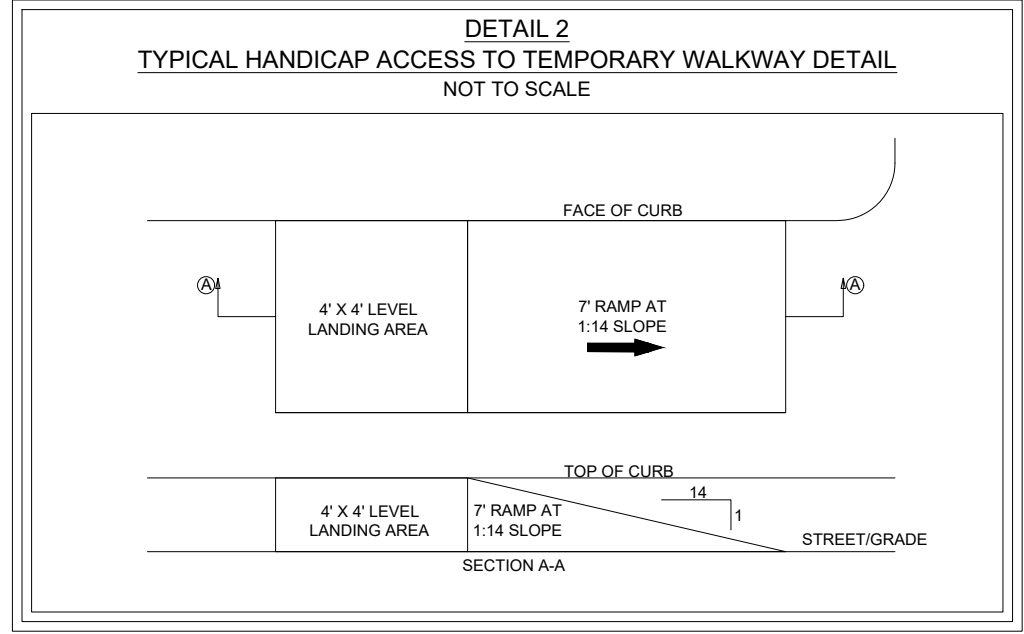
NOTE:
CONTRACTOR IS TO MAINTAIN SAME SIDE PEDESTRIAN ACCESS AT ALL TIMES AS SHOWN.

NOTE:
CONTRACTOR TO NOTIFY PROPERTY OWNER OF DRIVEWAY CLOSURE 5 DAYS PRIOR TO CONSTRUCTION.

NOTE:
CONTRACTOR SHALL CLOSE SIDEWALK TO PEDESTRIANS ONLY FOR CURRENT PORTIONS OF THE WORK IN PROGRESS.

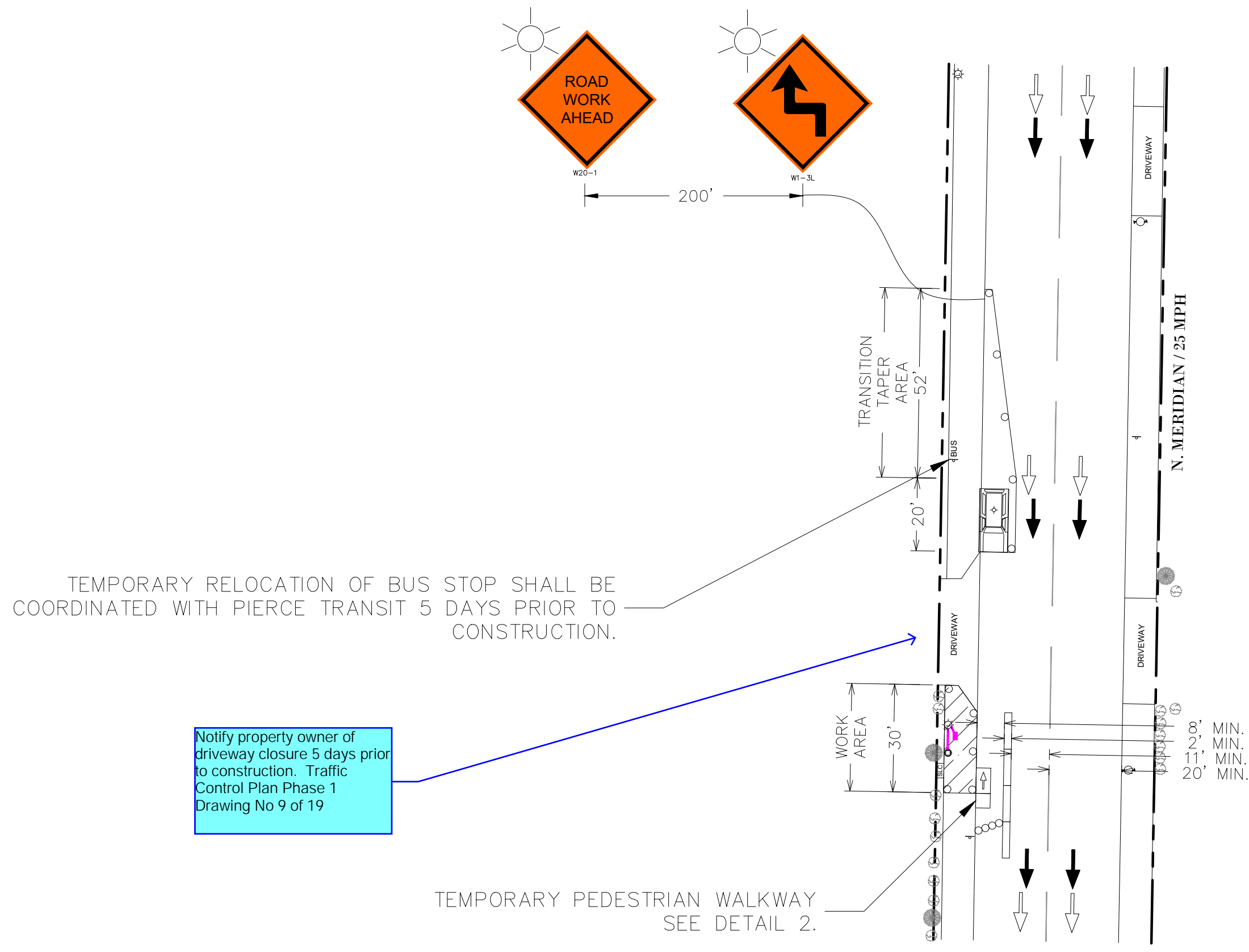
NOTE:
PIERCE TRANSIT OPERATES BUSES ON N. MERIDIAN. PIERCE TRANSIT BUSES REQUIRE 11' MIN. LANE WIDTHS. CONTRACTOR SHALL CONTACT PIERCE TRANSIT AT LEAST 5 DAYS IN ADVANCE FOR ANY BUS SERVICE CHANGE AT (253) 581-8000

NOTE:
WORK SHALL BE PROHIBITED OUTSIDE OF THE LISTED WORK HOURS OF 9:00 AM AND 3:30 PM ON NON-HOLIDAY WEEKDAYS. THE EXISTING CONDITION TRAVEL PATTERN SHALL BE MAINTAINED OR RE-ESTABLISHED DURING BOTH COMMUTER PEAK HOURS AND OVERNIGHT. ANY VARIATION FROM THE LISTED WORK HOUR RESTRICTIONS REQUIRES FORMAL APPROVAL FROM THE CITY OF PUYALLUP - DEPT. OF PUBLIC WORKS



TRAFFIC CONTROL REQUIREMENTS:

- SIGNS, DEVICES, AND SPACING SHALL CONFORM TO THE MUTCD.
- PRIORITY PASSAGE SHALL BE PROVIDED TO EMERGENCY VEHICLES.
- NOTIFY TRANSIT 5 DAYS IN ADVANCE OF CARPOOL SPACE/BUS ROUTE & STOP IMPACTS.
- MUTCD DEFINED PROTECTIVE VEHICLE TO BE PLACED IN AN EFFECTIVE LOCATION TO PROTECT WORKERS (RECOMMENDED).
- MAINTAIN 11' VEHICLE TRAVEL LANE WIDTH AT ALL TIMES.
- MAINTAIN 4' OF UNAFFECTED PEDESTRIAN TRAVEL LANE ON OPEN SIDEWALKS.
- MAINTAIN 6' LANDING BEHIND OPEN ADA RAMPS AT ALL TIMES WHEN WORKING IN THEIR VICINITY.
- FLAGGERS SHALL CONDUCT PEDESTRIAN TRAFFIC CONTROL AND ARE TO MAINTAIN OPEN SIDEWALKS AND ADA RAMPS.
- IF OPEN SIDEWALKS AND ADA RAMPS CANNOT BE MAINTAINED, CONTRACTOR IS TO PROVIDE A PATH FOR PEDESTRIAN TRAVEL THROUGH/AROUND STAGING AREA AS DEFINED BY THE MUTCD.
- ALL ADVANCED WARNING SIGNS SHALL BE MINIMUM 48"X48" BLACK ON FLUORESCENT ORANGE UNLESS SPECIFIED OTHERWISE.
- CHANNELIZATION DEVICES ARE TO CONFORM TO THE MUTCD (WSDOT COMPLIANT DRUMS ARE SUGGESTED).
- ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE AT GRADE INTERSECTIONS AND DRIVEWAYS.
- STREETS SHALL BE COMPLETELY CLEAR TO FULL WIDTH BETWEEN 3PM 7 9AM WEEKDAYS, UNLESS EXTENDED HOURS ARE ALLOWED BY WRITTEN PERMISSION FROM LOCAL DOT AND TC.
- LAW ENFORCEMENT OFFICERS ARE TO BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC. MULTIPLE OFFICERS ARE TO BE USED FOR INTERSECTIONS ON HIGH IMPACT STREETS.
- "NO PARKING" SIGNS TO BE PLACED ON CURB SPACE, INCLUDING PAID PARKING.
- CONTRACTOR IS TO COORDINATE/FACILITATE DRIVEWAY/LOADING ZONE ACCESS.
- PROTECTIVE VEHICLE SHALL MAINTAIN 500'-1000' OF SIGHT DISTANCE TO APPROACHING TRAFFIC.
- CONTACT REGIONAL TRAFFIC OFFICE STAFF FOR ASSISTANCE WITH SPECIFIC IN LANE OPERATIONS SUCH AS STRIPING, FOG SEAL, ETC. THAT REQUIRE ADDITIONAL PLANS AND DETAILS.



Notify property owner of driveway closure 5 days prior to construction. Traffic Control Plan Phase 1 Drawing No 9 of 19

TEMPORARY PEDESTRIAN WALKWAY SEE DETAIL 2.

TEMPORARY RELOCATION OF BUS STOP SHALL BE COORDINATED WITH PIERCE TRANSIT 5 DAYS PRIOR TO CONSTRUCTION.

PRSMS20210109
The applicant is responsible to call the Engineering Inspection Line at 253-435-3650 prior to starting work

CLOSURE ALLOWED:
Monday - Thursday
9AM - 3PM
Call communications center at 253-287-4456 on day of closure.

Spotter must be available to assist with pedestrians if needed

Distance between cones equals speed limit in unit feet
Taper length equals width of offset times speed squared divided by 60
Sign spacing shall be 100 feet when speed limits is 30 MPH or less
Sign spacing shall be 350 feet when speed limit is greater than 30 MPH
Distance between signs is mandatory unless field conditions determine otherwise

** Use PRSMS20210109 TCP No. 06 for sidewalk closure sign placement, attached **

A minimum of 11' lanes must be maintained at all times. Otherwise a new TCP must be submitted for review before proposed work can begin. Traffic Control Plan Phase 1 Drawing No 9 of 19

SIGN SPACING = X (FEET)*

RURAL ROADS & URBAN ARTERIALS	35/40 MPH	± 350' **
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	± 200' **
URBAN STREETS	25 MPH OR LESS	± 100' **

ALL SIGNS ARE 48" x 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED

* ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS, AND DRIVEWAYS
** ADVANCED WARNING SIGNS IF FEASIBLE

MINIMUM LONGITUDINAL BUFFER SPACE (FEET)

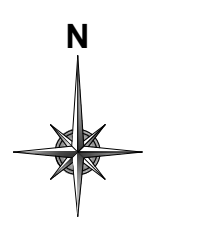
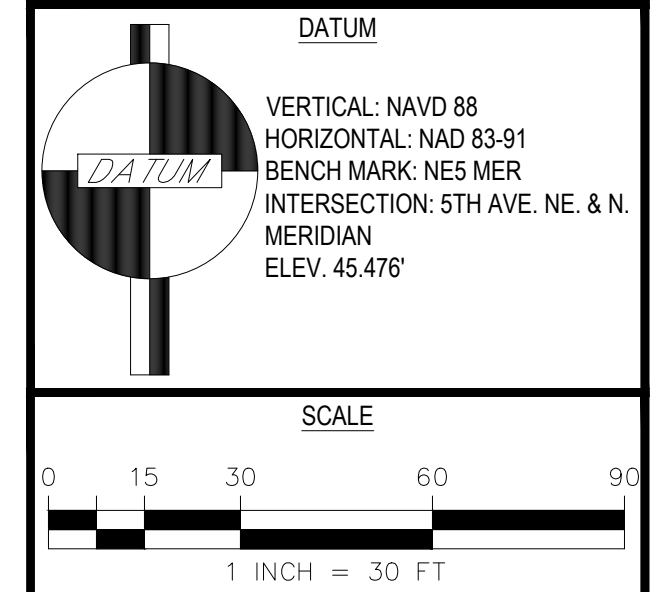
POSTED SPEED (MPH)	25	30	35	40	45	50
LENGTH	155	200	250	305	360	425

MAXIMUM CHANNELIZING DEVICE SPACING (FEET)

POSTED SPEED (MPH)	25/30	35/45	50/70
TAPER	20	30	40
TANGENT	40	60	80

SHIFTING TAPER LENGTH FOR 50 N. MERIDIAN
 $L = \frac{100 \times 25^2}{120} = 52.1'$

- LEGEND**
- DRUM WITH STEADY BURN LIGHT PER DEVICE SPACING TABLE COMPLIANT WITH WSDOT STD. SPEC. 9-35.7
 - PROPOSED TRAFFIC DIRECTION
 - EXISTING TRAFFIC DIRECTION
 - ARROW BOARD SEQUENTIAL CHEVRON MODE (REQUIRED)
 - PROPOSED WORK AREA
 - TEMPORARY CONCRETE BARRIER AS PER WSDOT STD. C-60.10-01
 - WORK VEHICLE WITH HIGH VISIBILITY WARNING BEACON (REQUIRED)



OWNER



DEVELOPER



ENGINEER



CONTRACTOR

SHEET TITLE

TRAFFIC CONTROL PLAN PHASE 1



NOTE
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PAGE #: MRWOR040047
SCIP ID #: 27107-50-F
USID #: 275861
FA #: 14847400
POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
POLE #: T.B.D.
LAT: 47.197419° LONG: -122.293911°



UULC:
UTILITIES UNDERGROUND LOCATION CENTER
1-800-424-5555 OR 811
WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

7			
6			
5			
4			
3			
2			
1	FOR PERMIT REVIEW	11/30/21	LKK
NO	REVISION	DATE	APPD

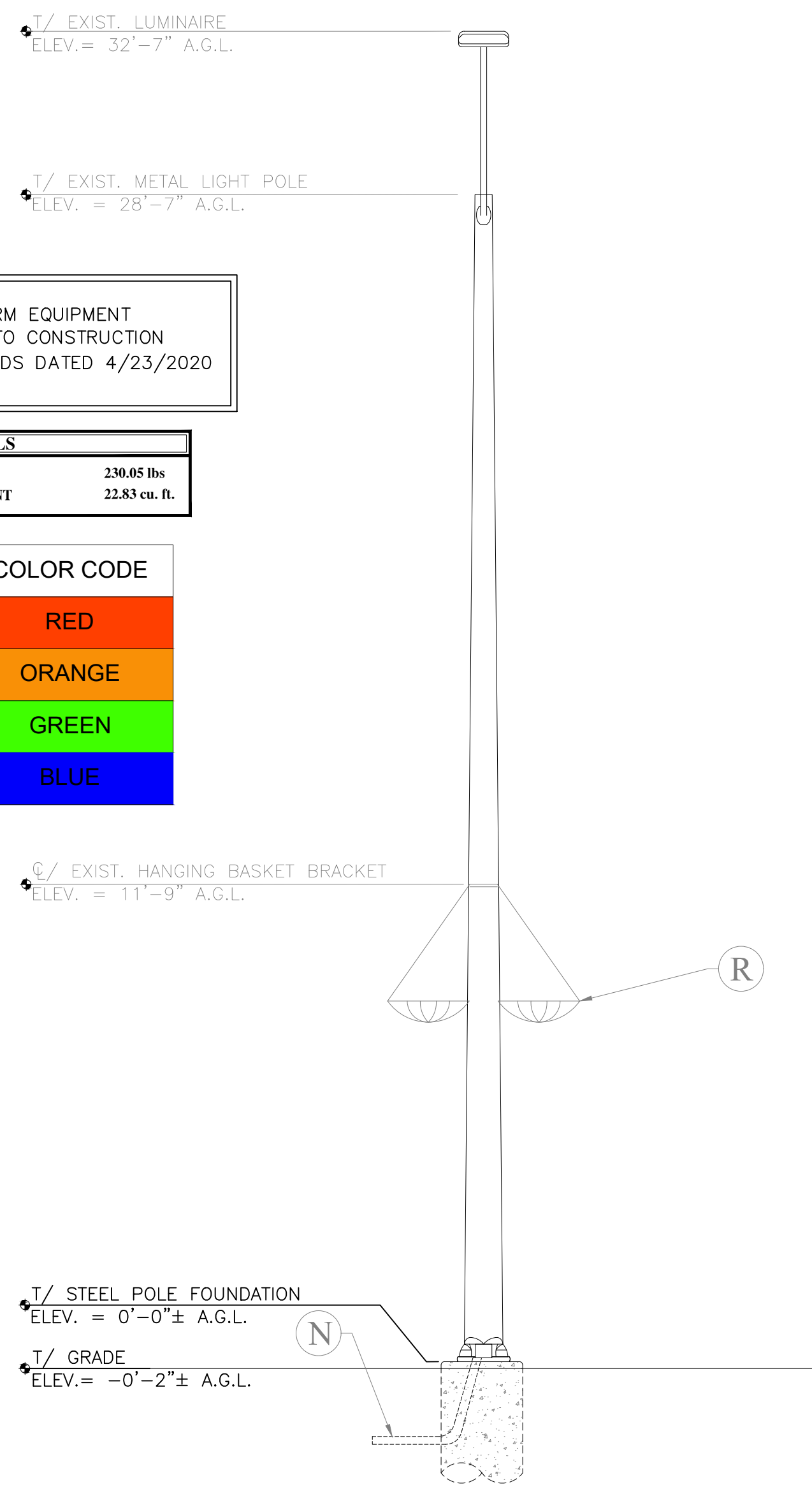
FINAL CONSTRUCTION CHECKED	DATE CREATED 04/21/2021	SCALE AS SHOWN
BY	CHECKED MKS	APPROVED KPB
DATE	CREATED LKK	PROJECT # MAS-20-4000
FIELD BOOKS	COORDINATES WA83_SF	SEGMENT ID ATT-DASC-522

CITY OF PUYALLUP
DEVELOPMENT SERVICES

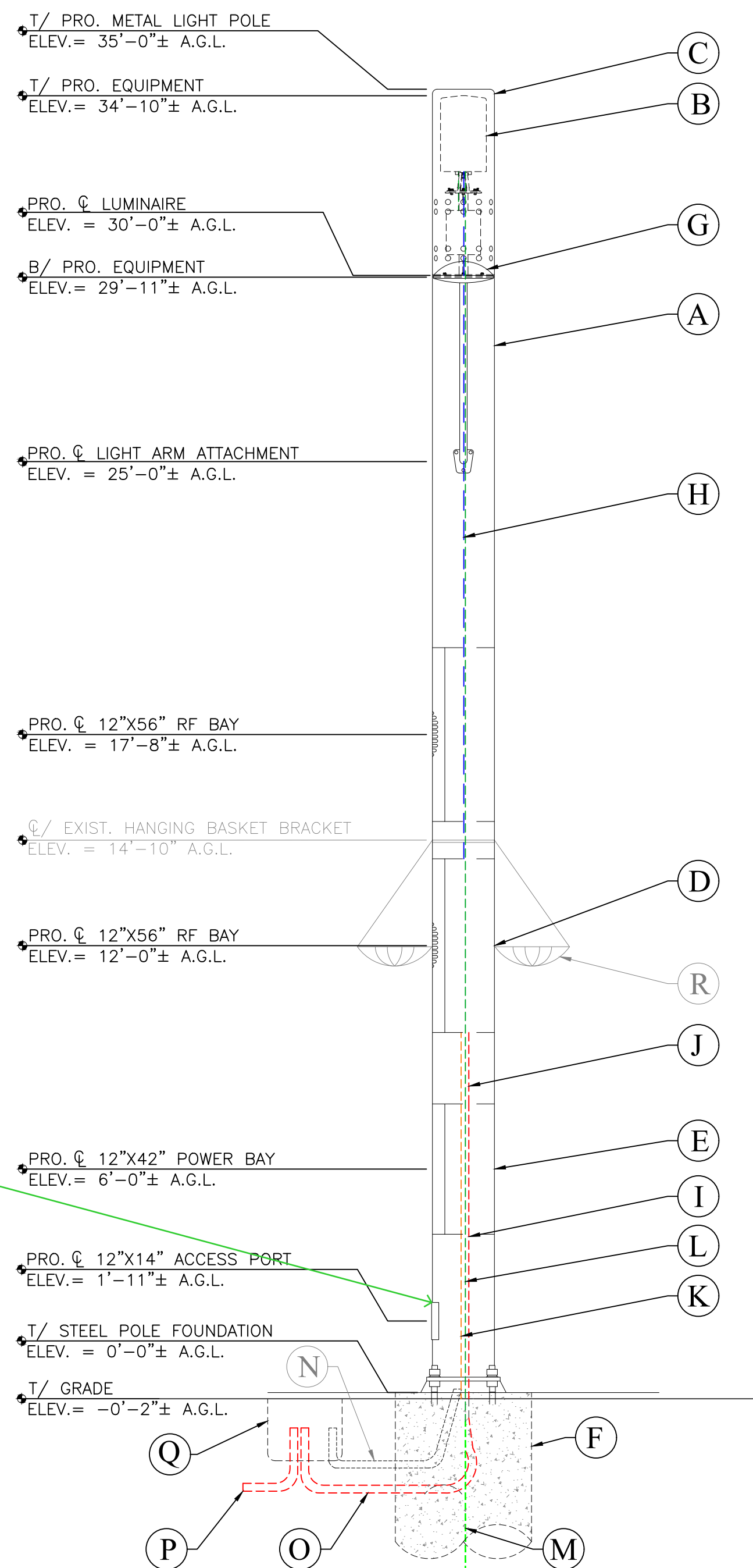
JOB TITLE
**WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION**

Engineering

DRAWING NO: 9 OF 18



EXISTING POLE ELEVATION
LOOKING WEST



FINAL POLE ELEVATION
LOOKING WEST

Handhole is to be placed on the South face of the pole per CS 01.05.01(1) [WATCM-050-F; Sht 10]

NOTES:
 • CONTRACTOR TO CONFIRM EQUIPMENT CONFIGURATION PRIOR TO CONSTRUCTION
 • DESIGNED PER AT&T RFDS DATED 4/23/2020 (MICRO)

TOTALS	
TOTAL WEIGHT	230.05 lbs
TOTAL VOLUME OF EQUIPMENT	22.83 cu. ft.

CABLE TYPE	COLOR CODE
POWER CABLE	RED
FIBER CABLE	ORANGE
GROUND CABLE	GREEN
COAX CABLE	BLUE

EQUIPMENT KEY

- (A) PROPOSED "WESTERN" 35.0' METAL CONCEALMENT STREET LIGHT POLE
- (B) PROPOSED "GALTRONICS" QUASI-OMNI 12-PORT CANISTER ANTENNA MODEL NO. GQ2412-06613 24.00"Hx14.50"DIA - 22.7 lbs. VOLUME = 3,963 cu. in.
- (C) PROPOSED ANTENNA/RADIO SHROUD 60.00"Hx12.00"DIA - 165.0 lbs. VOLUME = 6,785.84 cu. in.
- (D) PROPOSED 1 - "NOKIA" B25/B66 AIRSCALE MICRO RRH (AHFIB) WITH PSU-1200W-48-X 22.00"Hx12.10"Wx5.90"D - 66.0 lbs. VOLUME = 2,529.78 cu. in.
- (E) PROPOSED "RAYCAP" AC DISCONNECT W/ INTEGRATED SURGE PROTECTION MODEL NO. RSCAC-1333-P-240-DL, 10.43"Hx9.38"Wx6.25"D - 8.0 lbs. VOLUME = 612.00 cu. in.
- (F) PROPOSED CONCRETE FOUNDATION FOR STREET LIGHT POLE (TYP.) (SEE STANDARD CONSTRUCTION DETAILS SHEET)
- (G) PROPOSED LUMINAIRE ARM W/FIXTURES TO BE INSTALLED ON NEW POLE 9" TALLx30" LONG COBRA HEAD LUMINAIRE - 45.0 lbs. 2 1/2"ODx168"(MAX.) LONG LUMINAIRE ARM - 85.0 lbs.
- (H) PROPOSED COMMSCOPE 3/8" DIA. COAX CABLES FROM "NOKIA" RADIO UNITS TO OMNI ANTENNA; ROUTED INSIDE NEW POLE
- (I) PROPOSED #10 POWER CABLES FROM EXISTING JUNCTION BOX TO "RAYCAP" AC DISCONNECT (ID TAG CABLES AS REQUIRED)
- (J) PROPOSED #12 POWER CABLES FROM "RAYCAP" AC DISCONNECT TO RADIO UNITS (ID TAG CABLES AS REQUIRED)
- (K) PROPOSED FIBER OPTIC CABLE CONNECTION TO BE INSTALLED BY OTHERS
- (L) PROPOSED GROUND CABLE CONNECTION (SEE GROUNDING & SIGNAGE DETAILS SHEET)
- (M) PROPOSED GROUND ROD (SEE GROUNDING DETAILS SHEET)
- (N) EXISTING PUYALLUP UNDERGROUND POWER CONDUIT
- (O) PROPOSED 2" RIGID CONDUIT FOR POWER
- (P) PROPOSED UNDERGROUND POWER CONDUIT
- (Q) PROPOSED TYPE 2 JUNCTION BOX
- (R) EXISTING FLOWER BASKET TO BE RELOCATED ON NEW POLE

NOTES:
 • NEW EQUIPMENT TO BE PAINTED WITH RF TRANSPARENT, UV RESISTANT, OUTDOOR RATED PAINT TO MATCH EXISTING STREET LIGHT
 • CONTRACTOR SHALL REINSTALL ALL EXISTING SIGNAGE AND APPURTENANCES ONTO PROPOSED POLE AS REQUIRED
 • MAINTAIN A MIN. 6" BEND RADIUS ON ALL COAX
 • TERMINATE ANY UNUSED OPEN ANTENNA PORTS
 • REFERENCE ATT-TELCO-620-000-307 FOR CRAN/SMALL CELL WIRELESS ANTENNA POLE ATTACHMENT - NATIONAL GUIDELINES
 • REFERENCE ATT-790-202-062 FOR DAS AND CRAN SIGNAGE STANDARDS

OWNER



DEVELOPER



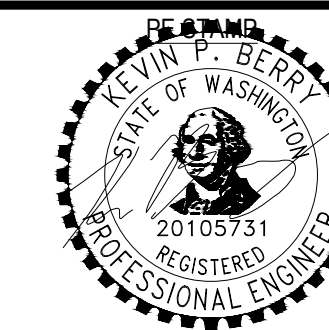
ENGINEER



CONTRACTOR

SHEET TITLE

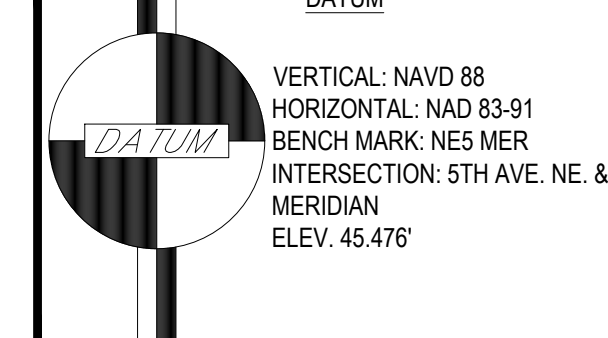
POLE ELEVATIONS



03/23/2022

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DATUM



SCALE



PACE #: MRWOR040047
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7			
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3			
2	FOR PERMIT REVIEW	03/01/21	RR
1	FOR PERMIT REVIEW	11/30/21	DP

DATE	BY	DATE CREATED	SCALE
		04/21/2021	AS SHOWN
		CHECKED JW	APPROVED KPB
		CREATED DP	PROJECT # MAS-20-4000
		COORDINATES WA83_SF	SEGMENT ID ATT-DASC-522

CITY OF PUYALLUP
DEVELOPMENT SERVICES
 JOB TITLE
WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

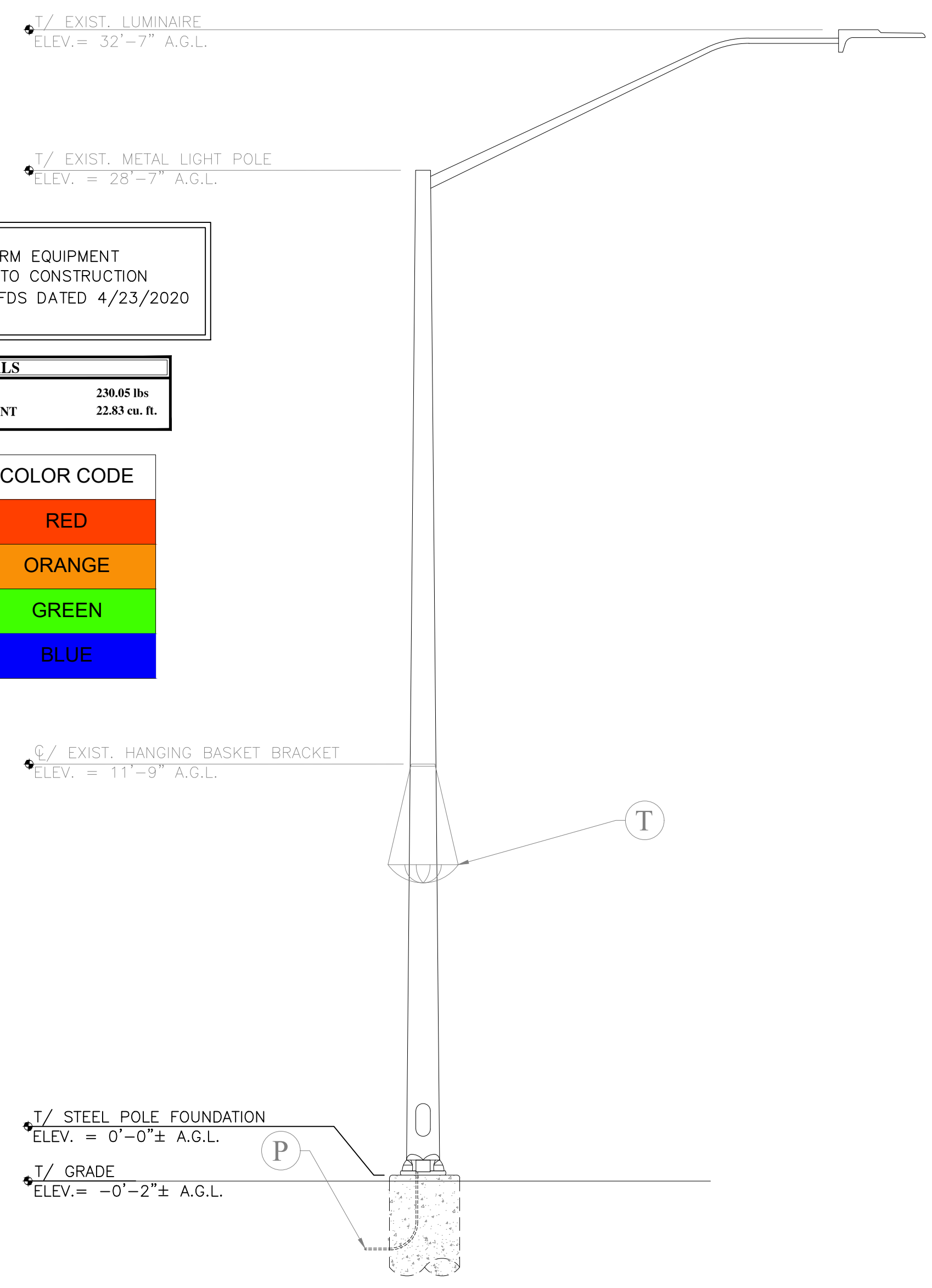
DRAWING NO: 10 OF 18

NOTES:

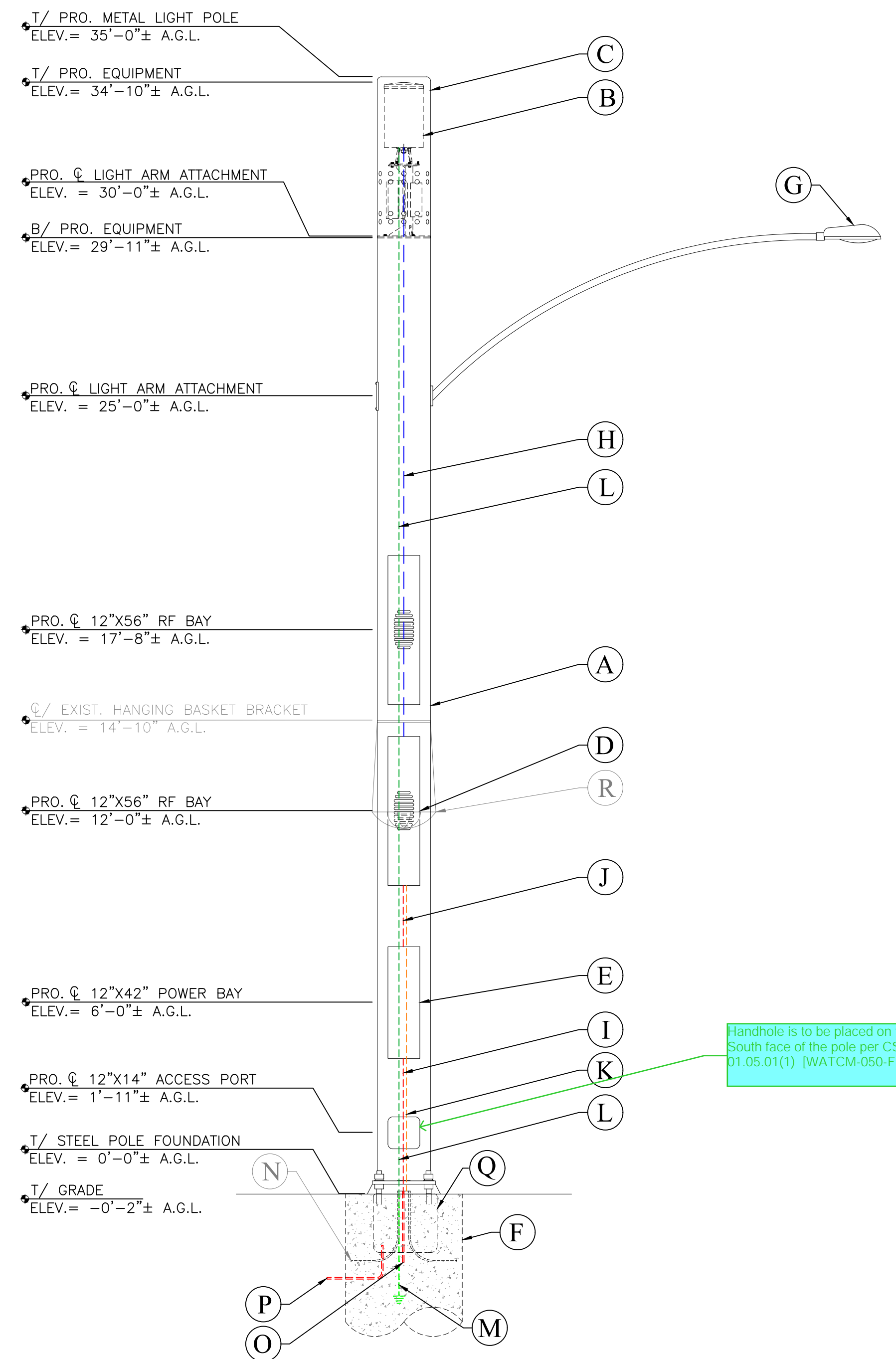
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TOTAL VOLUME OF EQUIPMENT	22.83 cu. ft.

CABLE TYPE	COLOR CODE
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FIBER CABLE	ORANGE
GROUND CABLE	GREEN
COAX CABLE	BLUE



**EXISTING POLE ELEVATION
LOOKING NORTH**



**FINAL POLE ELEVATION
LOOKING NORTH**

Handhole is to be placed on the South face of the pole per CS 01.05.01(1) [WATCM-050-F: Sht 11]

EQUIPMENT KEY

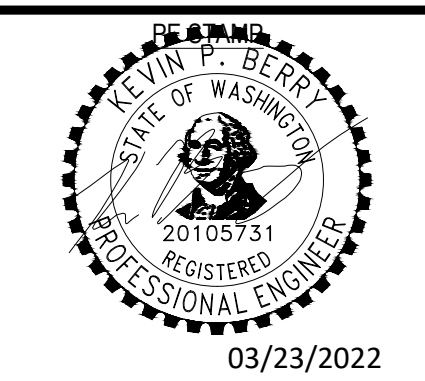
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- (B) PROPOSED "GALTRONICS" QUASI-OMNI 12-PORT CANISTER ANTENNA MODEL NO. GQ2412-06613 24.00"Hx14.50"DIA - 22.7 lbs. VOLUME = 3,963 cu. in.
- (C) PROPOSED ANTENNA/RADIO SHROUD 60.00"Hx12.00"DIA - 165.0 lbs. VOLUME = 6,785.84 cu. in.
- (D) PROPOSED 1 - "NOKIA" B25/B66 AIRSCALE MICRO RRH (AHFIB) WITH PSU-1200W-48-X 22.00"Hx12.10"Wx5.90"D - 66.0 lbs. VOLUME = 2,529.78 cu. in.
- (E) PROPOSED "RAYCAP" AC DISCONNECT W/ INTEGRATED SURGE PROTECTION MODEL NO. RSCAC-1333-P-240-DL, 10.43"Hx9.38"Wx6.25"D - 8.0 lbs. VOLUME = 612.00 cu. in.
- (F) PROPOSED CONCRETE FOUNDATION FOR STREET LIGHT POLE (TYP.) (SEE STANDARD CONSTRUCTION DETAILS SHEET)
- (G) PROPOSED LUMINAIRE ARM W/FIXTURES TO BE INSTALLED ON NEW POLE 9" TALLx30" LONG COBRA HEAD LUMINAIRE - 45.0 lbs. 2 1/2"ODx168"(MAX.) LONG LUMINAIRE ARM - 85.0 lbs.
- (H) PROPOSED COMMSCOPE 3/8" DIA. COAX CABLES FROM "NOKIA" RADIO UNITS TO OMNI ANTENNA; ROUTED INSIDE NEW POLE
- (I) PROPOSED #10 POWER CABLES FROM EXISTING JUNCTION BOX TO "RAYCAP" AC DISCONNECT (ID TAG CABLES AS REQUIRED)
- (J) PROPOSED #12 POWER CABLES FROM "RAYCAP" AC DISCONNECT TO RADIO UNITS (ID TAG CABLES AS REQUIRED)
- (K) PROPOSED FIBER OPTIC CABLE CONNECTION TO BE INSTALLED BY OTHERS
- (L) PROPOSED GROUND CABLE CONNECTION (SEE GROUNDING & SIGNAGE DETAILS SHEET)
- (M) PROPOSED GROUND ROD (SEE GROUNDING DETAILS SHEET)
- (N) EXISTING PUYALLUP UNDERGROUND POWER CONDUIT
- (O) PROPOSED 2" RIGID CONDUIT FOR POWER
- (P) PROPOSED UNDERGROUND POWER CONDUIT
- (Q) PROPOSED TYPE 2 JUNCTION BOX
- (R) EXISTING FLOWER BASKET TO BE RELOCATED ON NEW POLE

NOTES:

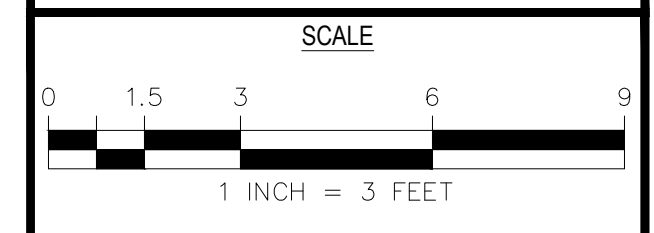
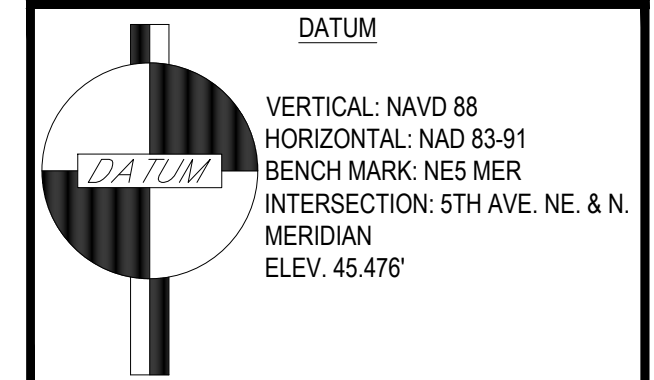
- NEW EQUIPMENT TO BE PAINTED WITH RF TRANSPARENT, UV RESISTANT, OUTDOOR RATED PAINT TO MATCH EXISTING STREET LIGHT
- CONTRACTOR SHALL REINSTALL ALL EXISTING SIGNAGE AND APPURTENANCES ONTO PROPOSED POLE AS REQUIRED
- MAINTAIN A MIN. 6" BEND RADIUS ON ALL COAX
- TERMINATE ANY UNUSED OPEN ANTENNA PORTS
- REFERENCE ATT-TELCO-620-000-307 FOR CRAN/SMALL CELL WIRELESS ANTENNA POLE ATTACHMENT - NATIONAL GUIDELINES
- REFERENCE ATT-790-202-062 FOR DAS AND CRAN SIGNAGE STANDARDS



**SHEET TITLE
POLE ELEVATIONS**



NOTE
THE FOLLOWING PLAN SET IS NOT TRANSFERABLE AND IS ONLY CONSIDERED AN OFFICIAL CONSTRUCTION DRAWING WHEN ACCOMPANIED WITH A SIGNED ENGINEERING SEAL.



PACE #: MRWOR040047
 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
 LAT: 47.197419° LONG: -122.293911°

UULC:
 UTILITIES UNDERGROUND LOCATION CENTER
 1-800-424-5555 OR 811
 WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

NO	REVISION	DATE	APPD
7			
6			
5			
4			
3			
2	FOR PERMIT REVIEW	03/01/21	RR
2	FOR PERMIT REVIEW	11/30/21	DP
1			

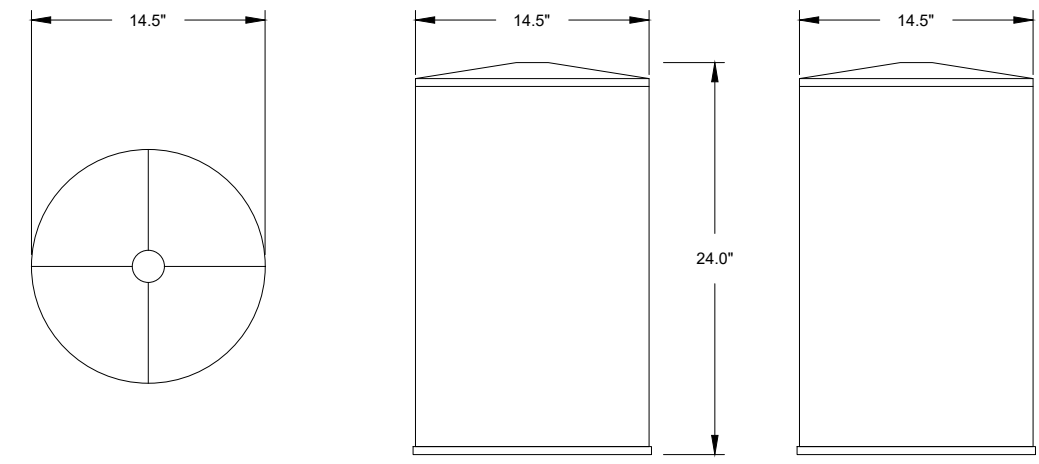
DATE	BY	DESCRIPTION
04/21/2021	JW	CHECKED
	DP	CREATED
	WA83_SF	COORDINATES

CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
**WATCM-050-F
 812 N. MERIDIAN
 DAS SMALL CELL INSTALLATION**

Engineering

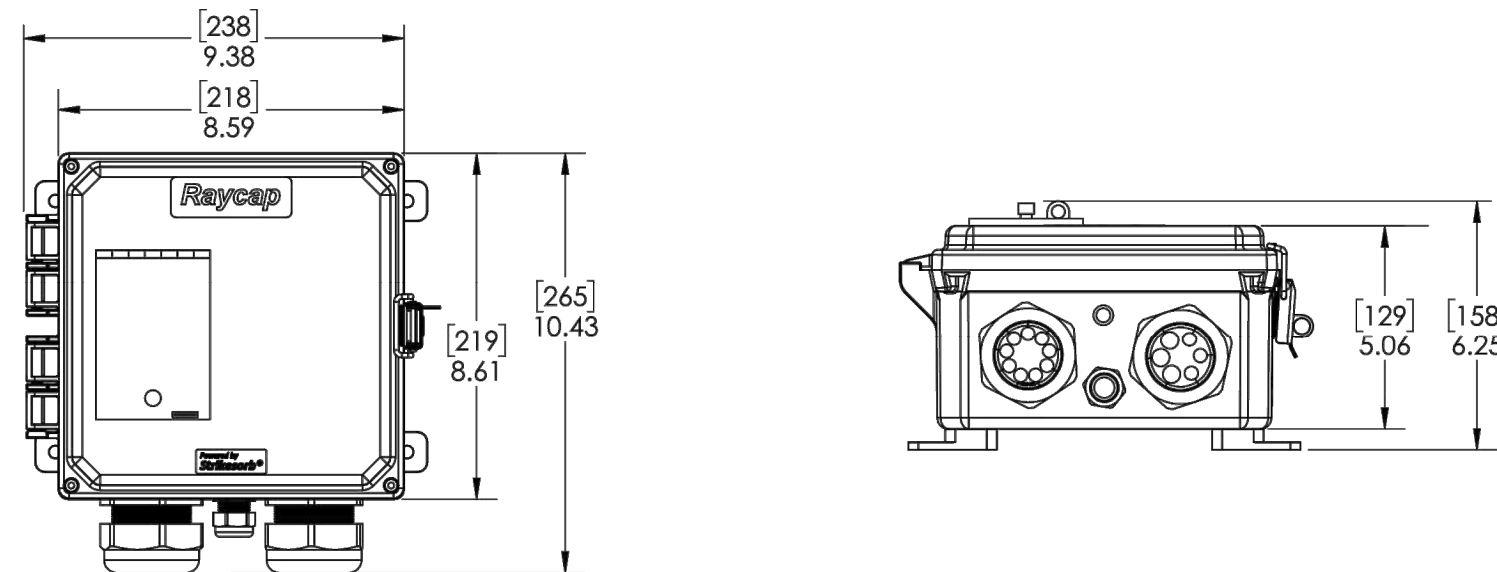
DRAWING NO: 11 OF 18



PLAN VIEW FRONT VIEW SIDE VIEW

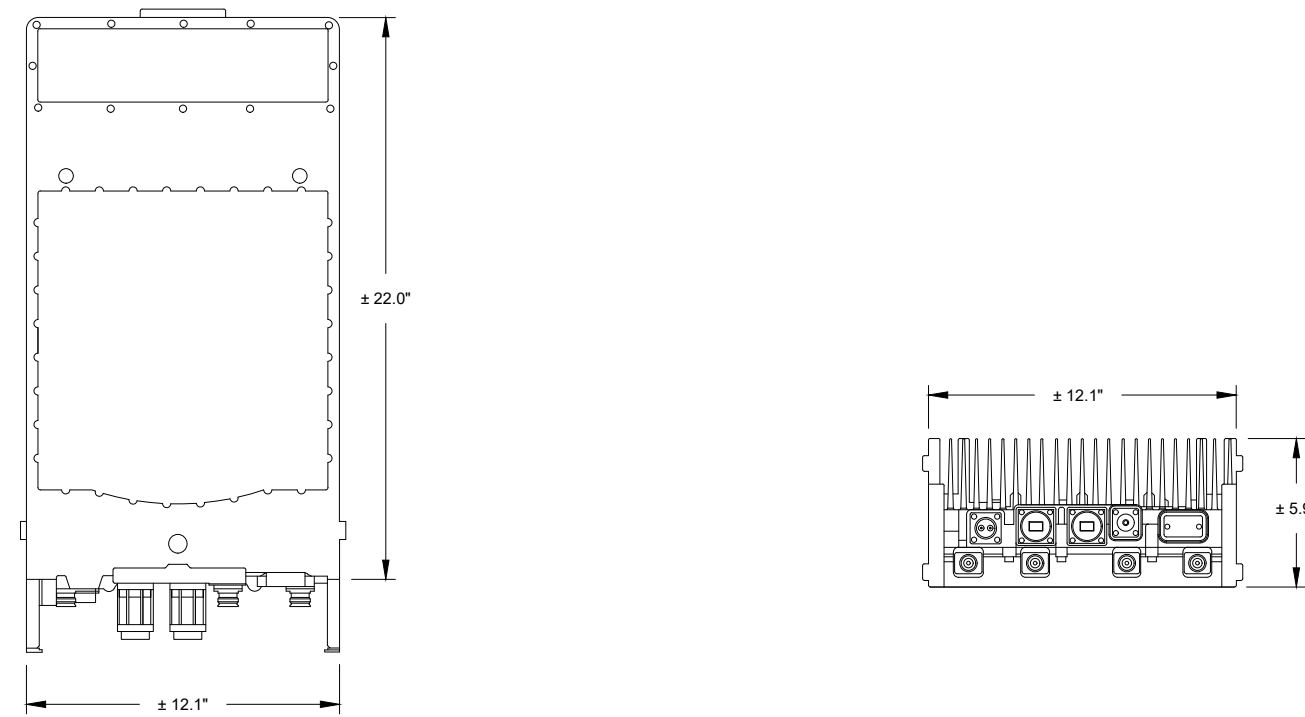
FREQUENCY RANGE
 LOW BAND 698-896 MHz
 AWS/PCS/WCS BAND #2 1895-2690 MHz
 HIGH BAND #1 3300-4200 MHz
 UNII BAND #2 5150-5925 MHz

GALTRONICS QUASI-OMNI 12-PORT CANISTER ANTENNA
 MODEL NO. GQ2412-06613



FRONT VIEW PLAN VIEW

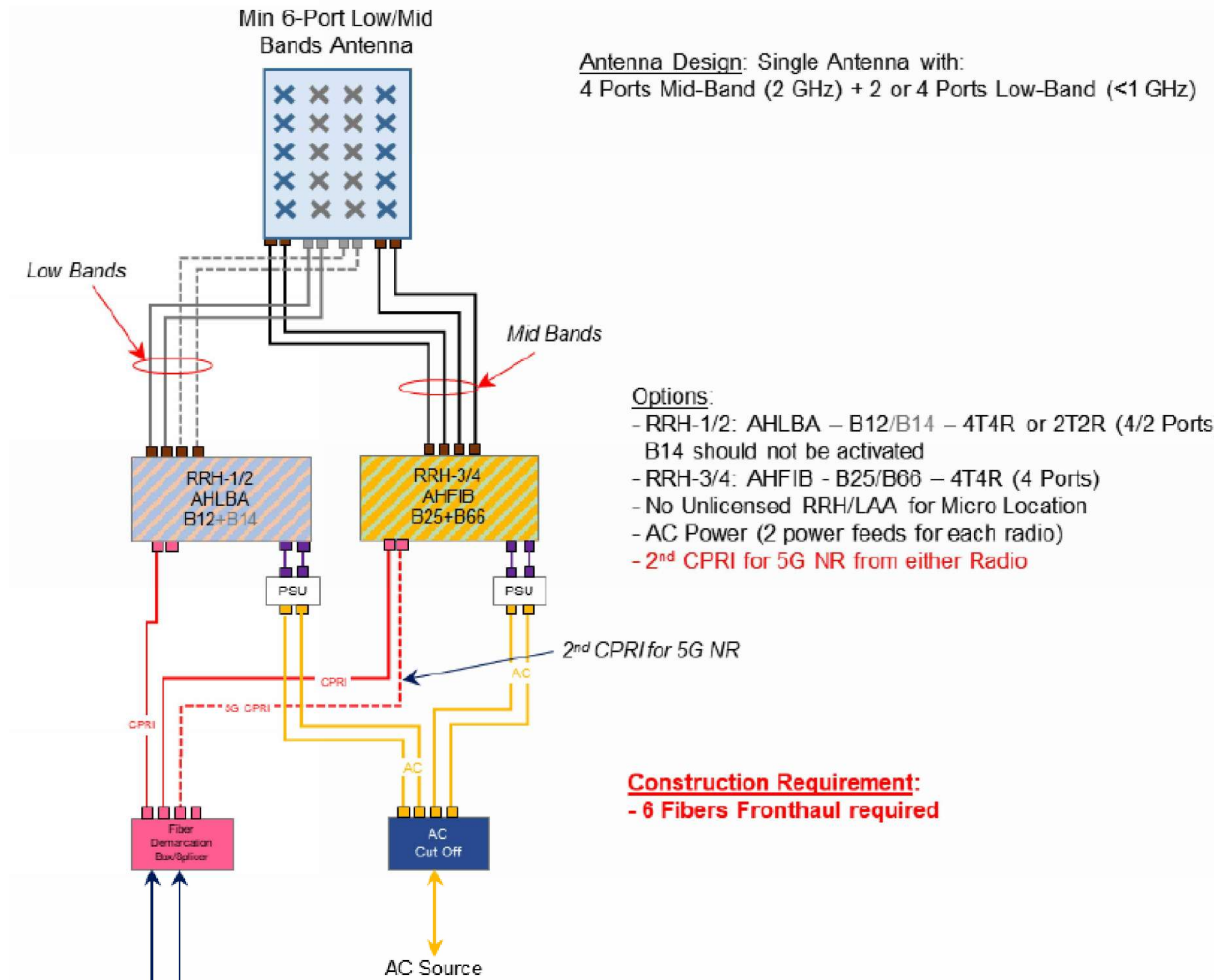
RAYCAP AC DISCONNECT BOX
 MODEL NO. RSCAC-1333-P-240-DL



FRONT VIEW BOTTOM VIEW
 INTERFACE:
 INPUT POWER:
 2 CPRI PORTS FOR FRONT HAUL (2X9.8 GB/2)
 DC: -36V TO -60V
 AC: 80V TO 276V

NOKIA B25 / B66 AIRSCALE MICRO RRH 4T/4R 320 W (AHFIB)

Nokia Micro Location
 (using 2 Dual-Band 4T4R Radios)



RF PLUMBING DIAGRAM



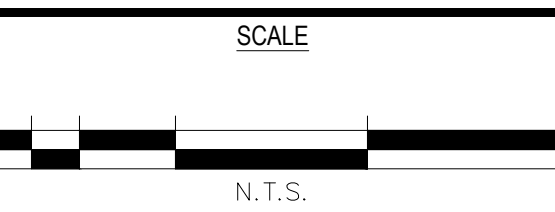
CONTRACTOR

EQUIPMENT DETAILS & PLUMBING DIAGRAM



NOTE:
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DATUM
 VERTICAL: NAVD 88
 HORIZONTAL: NAD 83-91
 BENCH MARK: NES MER
 INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
 ELEV. 45.476'



PACE #: MRWOR040047
 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
 LAT: 47.197419° LONG: -122.293911°

811
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 Call before you dig.

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7					
6					
5					
4					
3					
2	FOR PERMIT REVIEW	03/01/21	RR		
1	FOR PERMIT REVIEW	11/30/21	DP		
NO	REVISION	DATE	APPD		

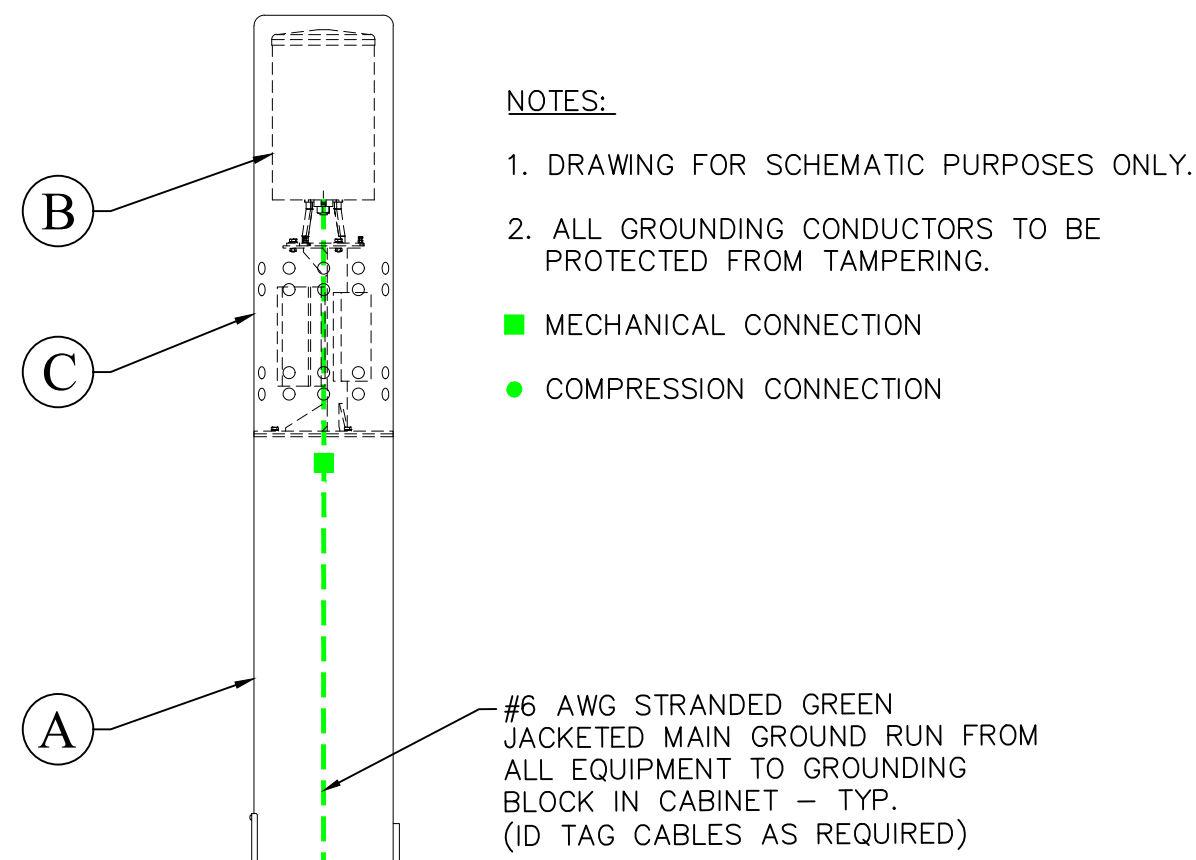
CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

Engineering

DRAWING NO: 12 OF 18

NOTICE: THIS DRAWING AND THE DESIGN SHOWN ARE THE PROPERTY OF TALMAN CONSULTANTS LLC. THE REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT WRITTEN CONSENT IS PROHIBITED AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION.



- NOTES:
- DRAWING FOR SCHEMATIC PURPOSES ONLY.
 - ALL GROUNDING CONDUCTORS TO BE PROTECTED FROM TAMPERING.
- MECHANICAL CONNECTION
 - COMPRESSION CONNECTION

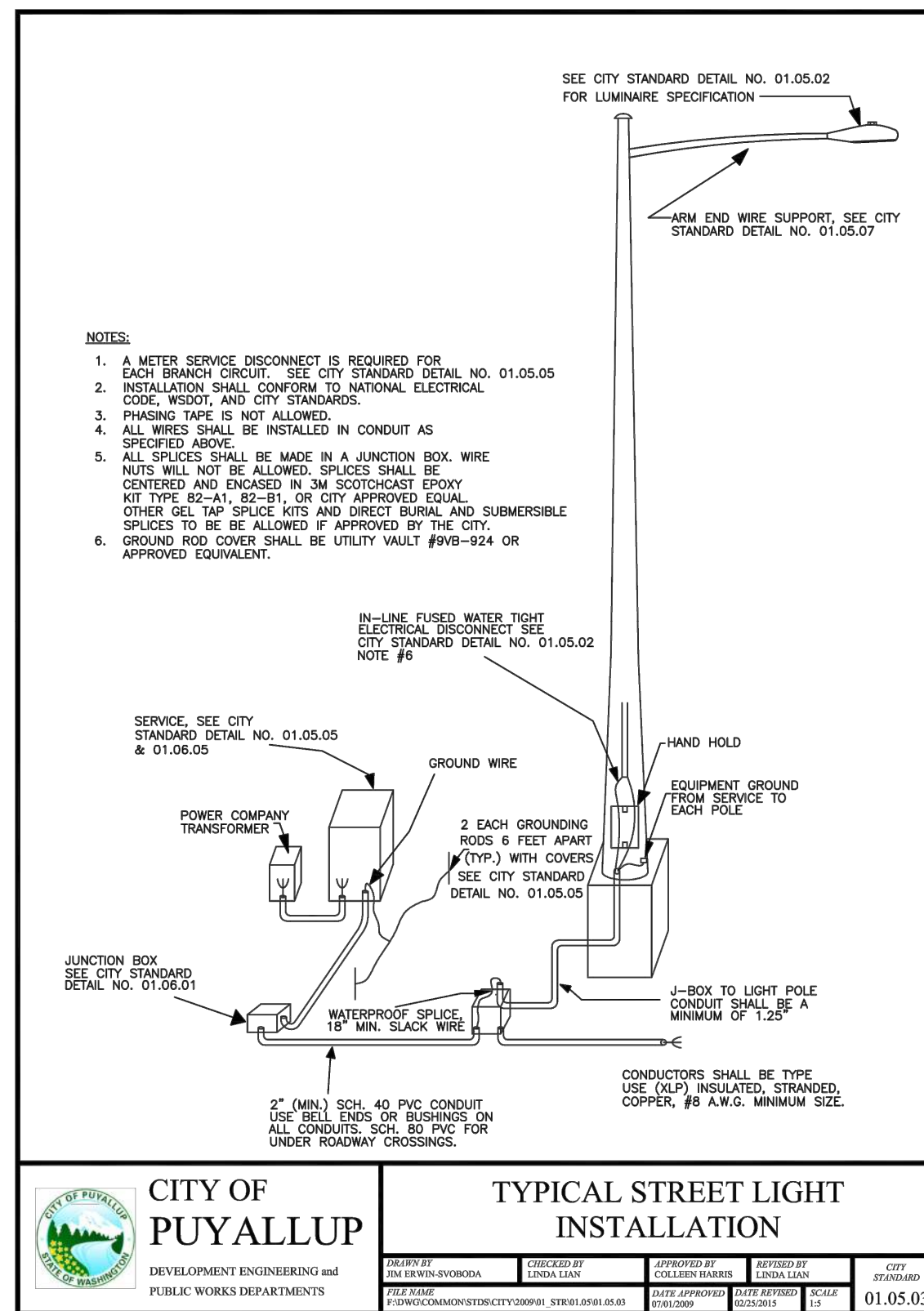
#6 AWG STRANDED GREEN JACKETED MAIN GROUND RUN FROM ALL EQUIPMENT TO GROUNDING BLOCK IN CABINET - TYP. (ID TAG CABLES AS REQUIRED)

#6 AWG STRANDED GREEN JACKETED MAIN GROUND RUN FROM ALL EQUIPMENT TO GROUNDING BLOCK IN CABINET - TYP. (ID TAG CABLES AS REQUIRED)

#2 AWG STRANDED GREEN JACKETED MAIN GROUND RUN FROM GROUNDING BLOCK TO POLE & QUAZITE BOX GROUNDING RODS (ID TAG CABLES AS REQUIRED)



GROUNDING DIAGRAM



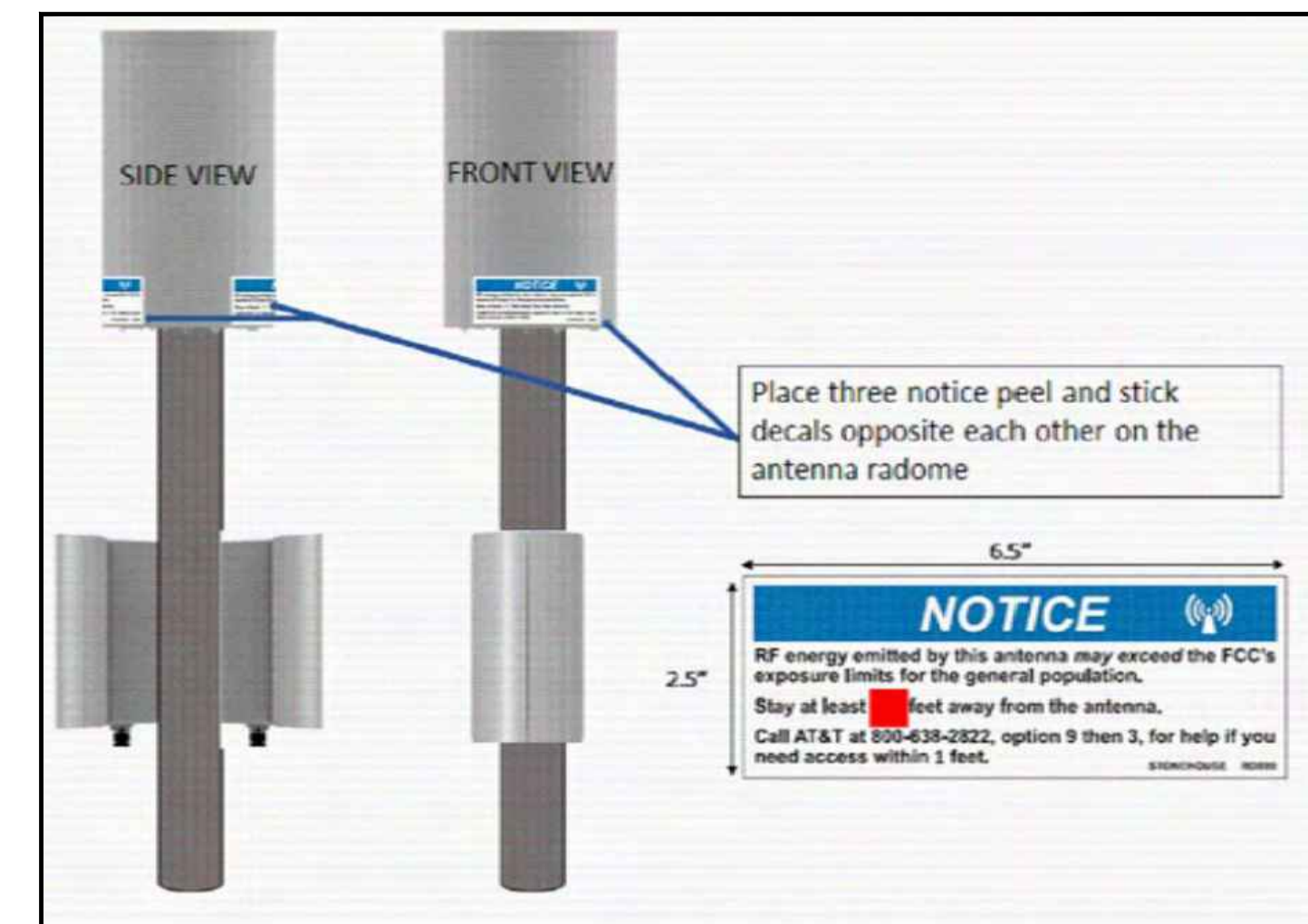
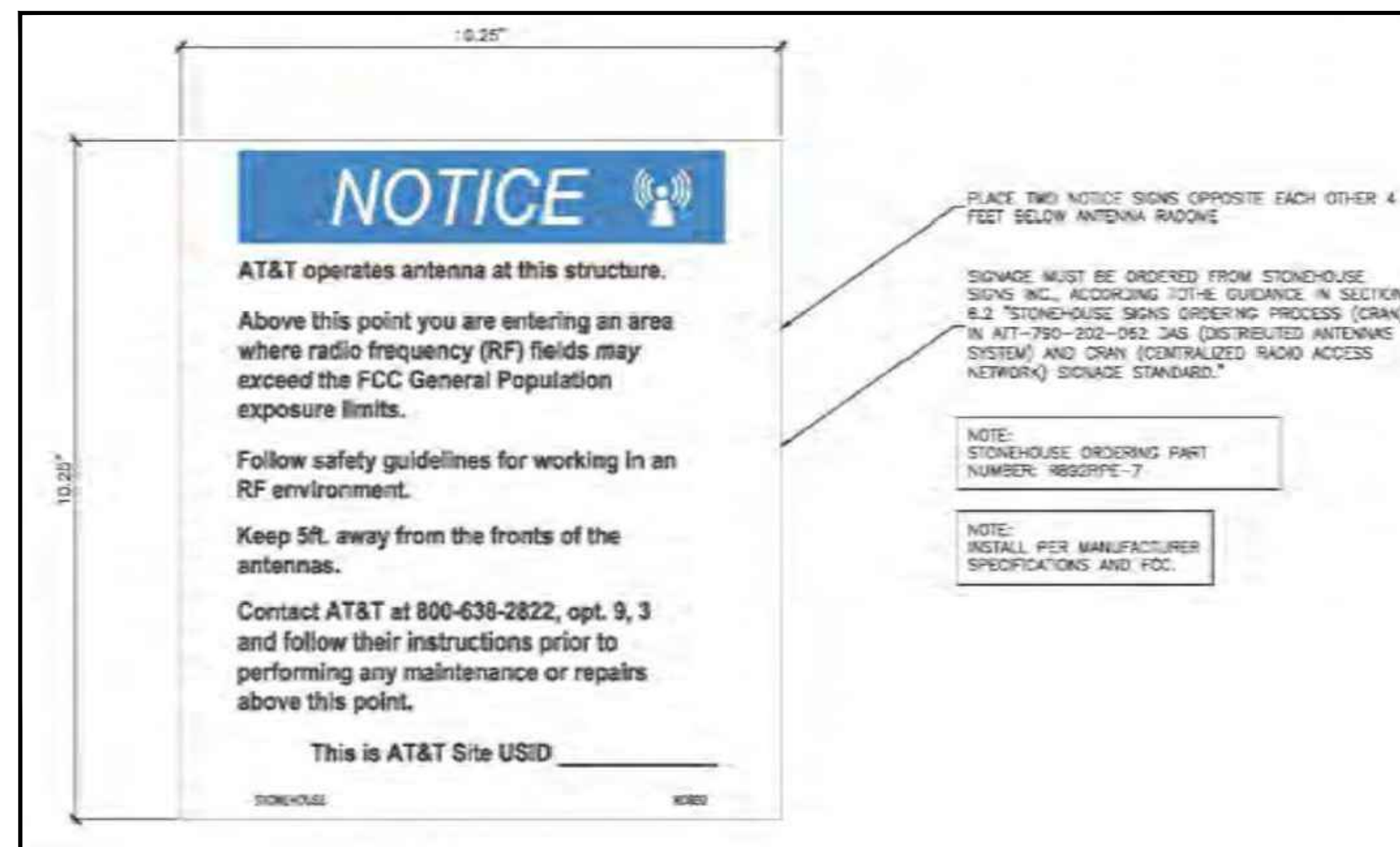
TYPICAL STREET LIGHT INSTALLATION

CITY OF PUYALLUP		DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS		CITY OF PUYALLUP	
DESIGNED BY	TRINIA LEAN	CHECKED BY	COLLEEN BARNES	APPROVED BY	TRINIA LEAN
DATE	03/01/21	DATE	03/01/21	DATE	03/01/21
PROJECT	WAB3_SF	PROJECT	WAB3_SF	PROJECT	WAB3_SF
SCALE	N.T.S.	SCALE	N.T.S.	SCALE	N.T.S.

GROUND CONNECTION DETAIL

EQUIPMENT KEY

- (A) PROPOSED "WESTERN" 35.0' METAL STREET LIGHT POLE
- (B) PROPOSED "GALTRONICS" QUASI-OMNI 12-PORT CANISTER ANTENNA MODEL NO. GQ2412-06613 24.00"Hx14.50"DIA - 22.7 lbs. VOLUME = 3,963 cu. in.
- (C) PROPOSED ANTENNA/RADIO SHROUD 60.00"Hx12.00"DIA - 165.0 lbs. VOLUME = 6,785.84 cu. in.
- (D) PROPOSED 1 - "NOKIA" B25/B66 AIRSCALE MICRO RRH (AHFIB) WITH PSU-1200W-48-X 22.00"Hx12.10"Wx5.90"D - 66.0 lbs. VOLUME = 2,529.78 cu. in.
- (E) PROPOSED "RAYCAP" AC DISCONNECT W/ INTEGRATED SURGE PROTECTION MODEL NO. RSCAC-1333-P-240-DL, 10.43"Hx9.38"Wx6.25"D - 8.0 lbs. VOLUME = 612.00 cu. in.



Signage must be ordered from Stonehouse Signs Inc., according to the guidance in Section 6.2 "Stonehouse signs ordering process (CRAN) in ATT-790-202-062 DAS (Distributed Antenna System) and CRAN (Centralized Radio Access Network) Signage Standard." <http://apex.web.att.com/bookview/bookview.jsp?bookname=ATT-790-202-062&fulltext>

- Stonehouse ordering part number for this sign is: "RD899"
- Sign Dimensions are: height= 2.5", width=6.5"
- Use the supplied number pad to enter the number **1** into the blank space as shown in the sign diagram

RF SIGNAGE

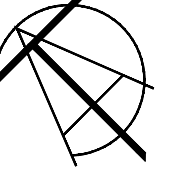
OWNER



DEVELOPER



ENGINEER



TALMAN CONSULTANTS

CONTRACTOR

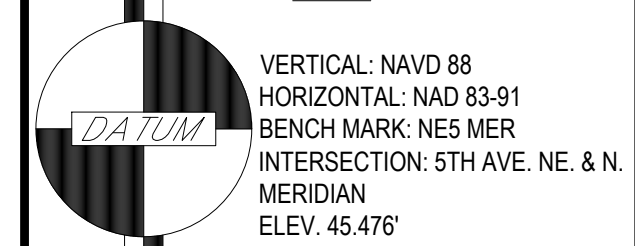
SHEET TITLE

GROUNDING & SIGNAGE DETAILS



NOTE: THE FOLLOWING PLAN SET IS NOT TRANSFERABLE AND IS ONLY CONSIDERED AN OFFICIAL CONSTRUCTION DRAWING WHEN ACCOMPANIED WITH A SIGNED ENGINEERING SEAL.

DATUM



SCALE



PACE #: MRWOR040047
 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
 LAT: 47.197419° LONG: -122.293911°



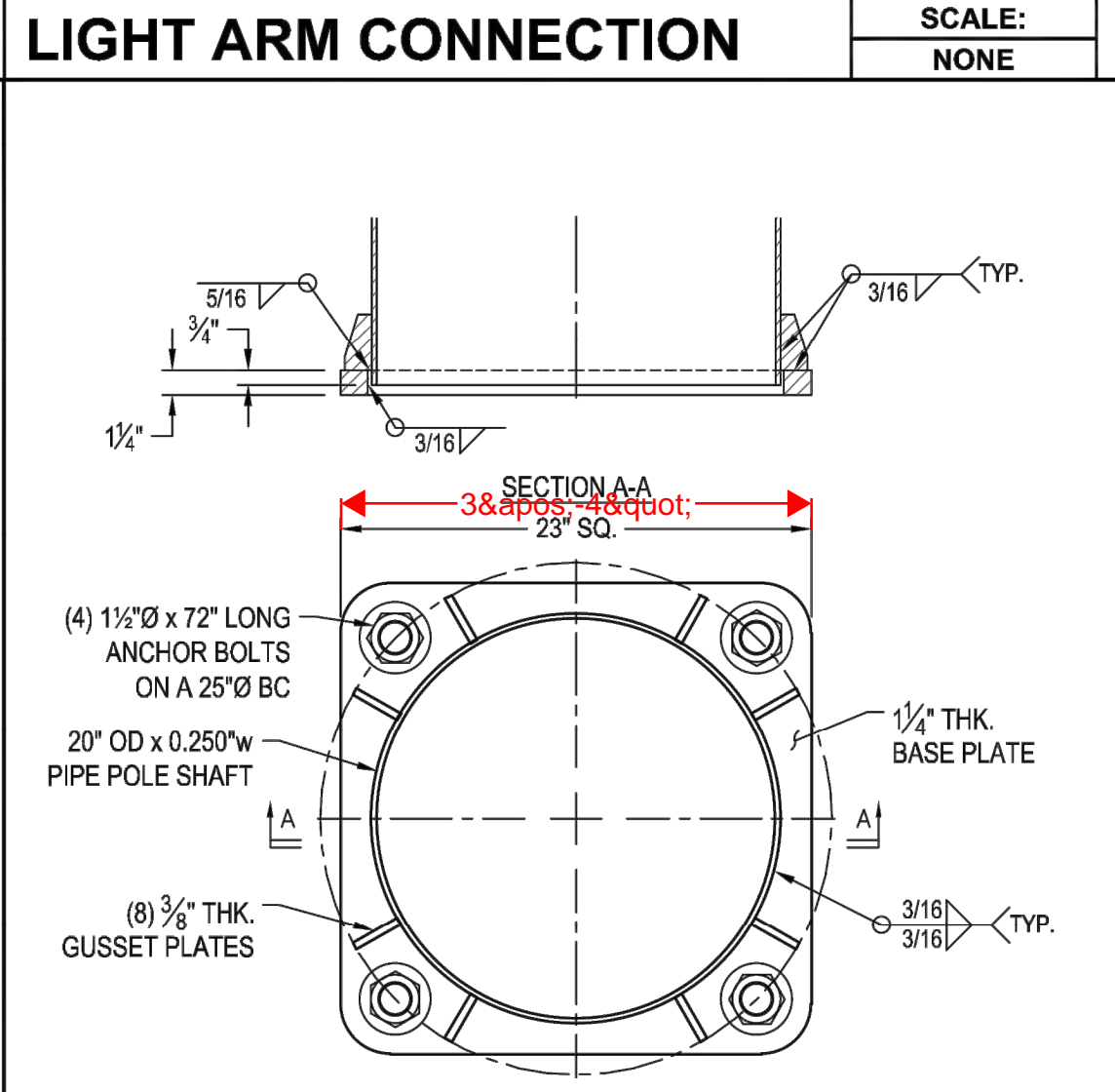
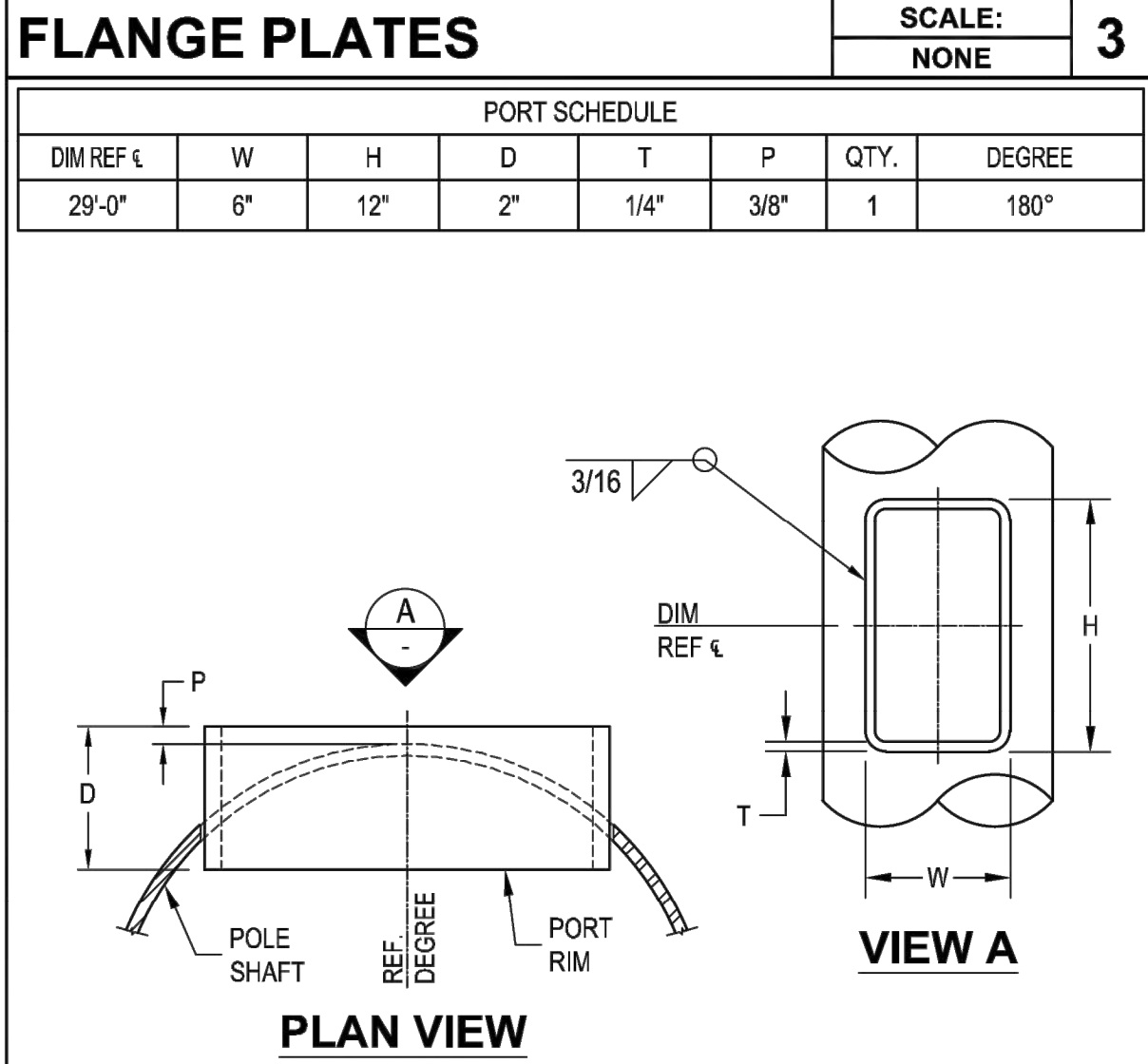
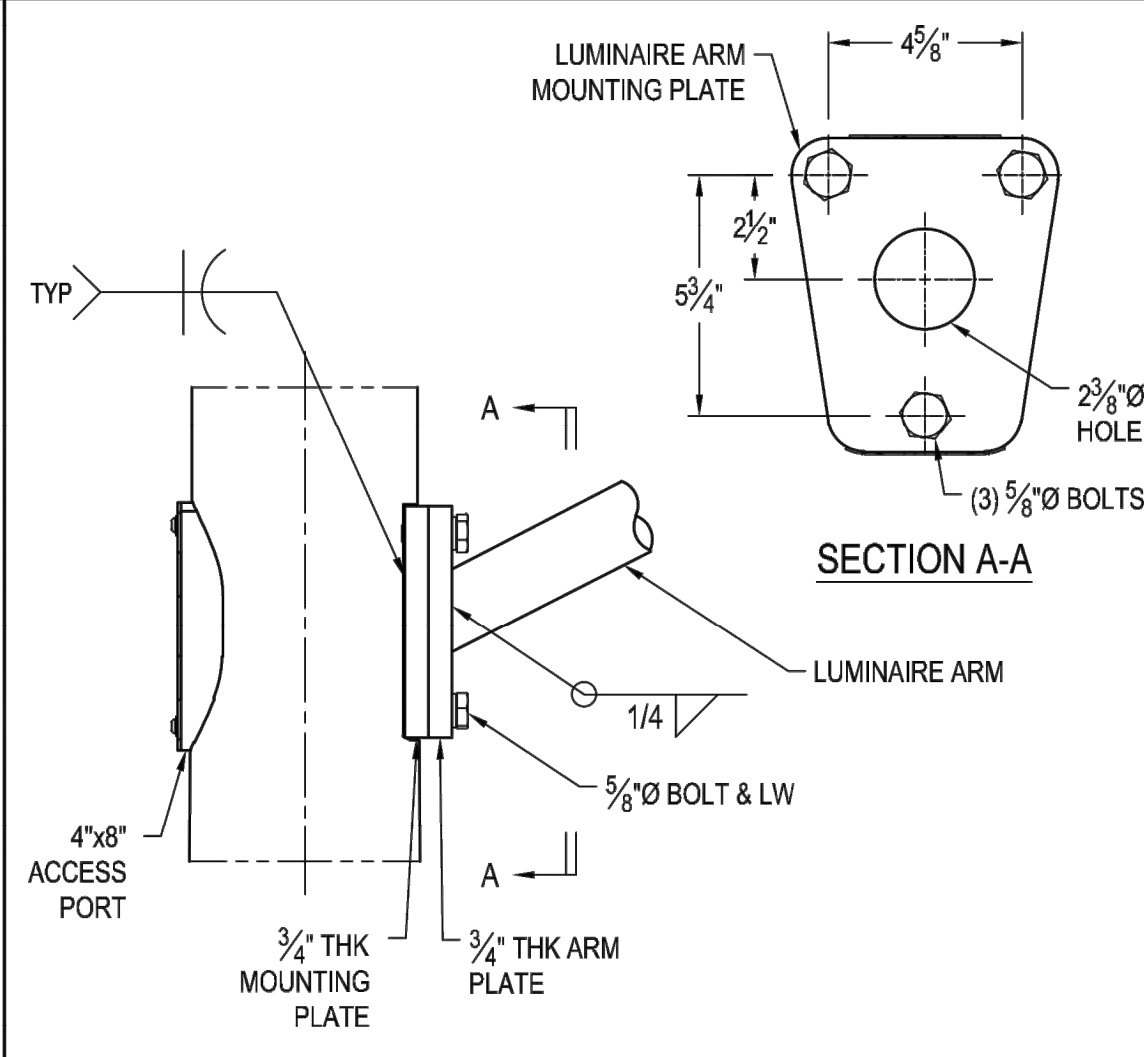
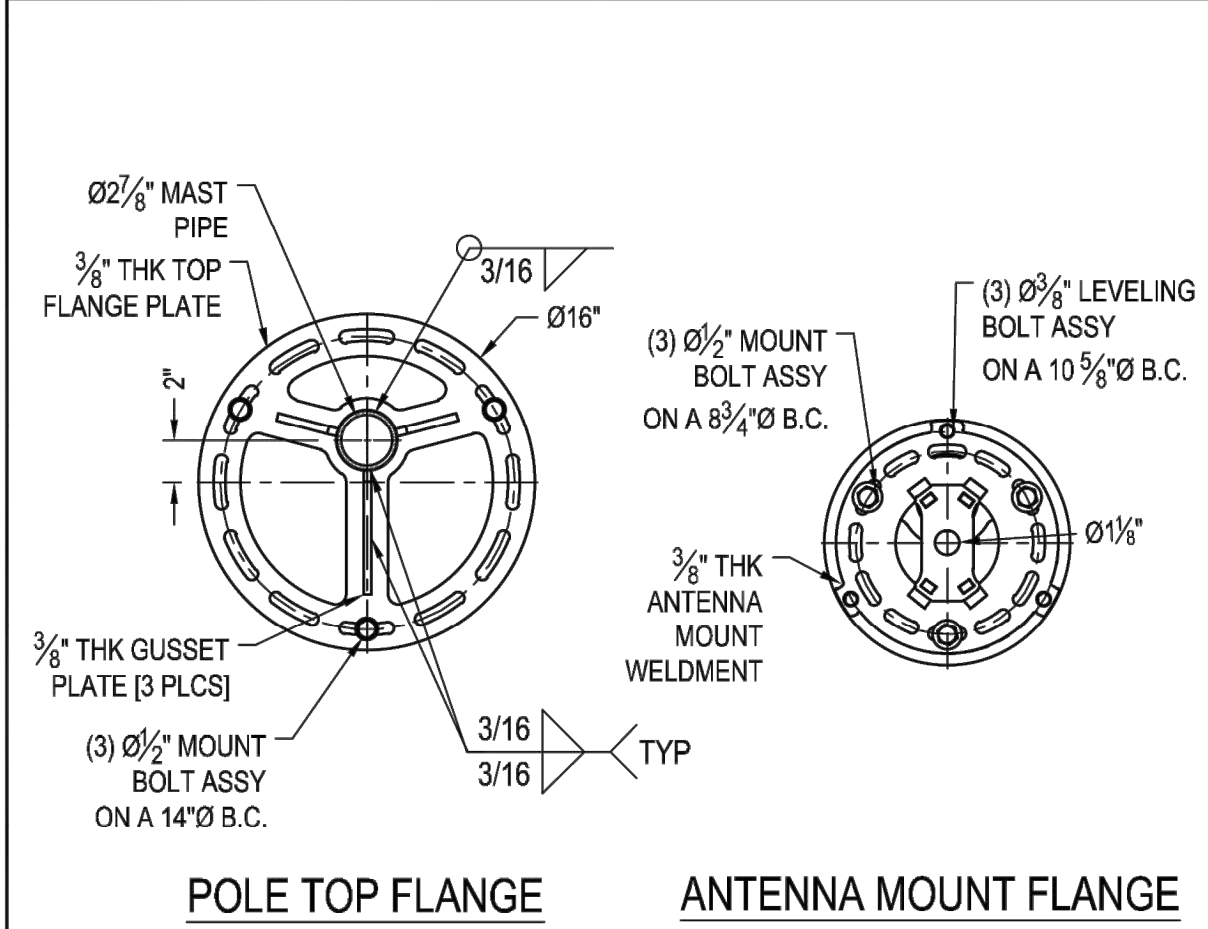
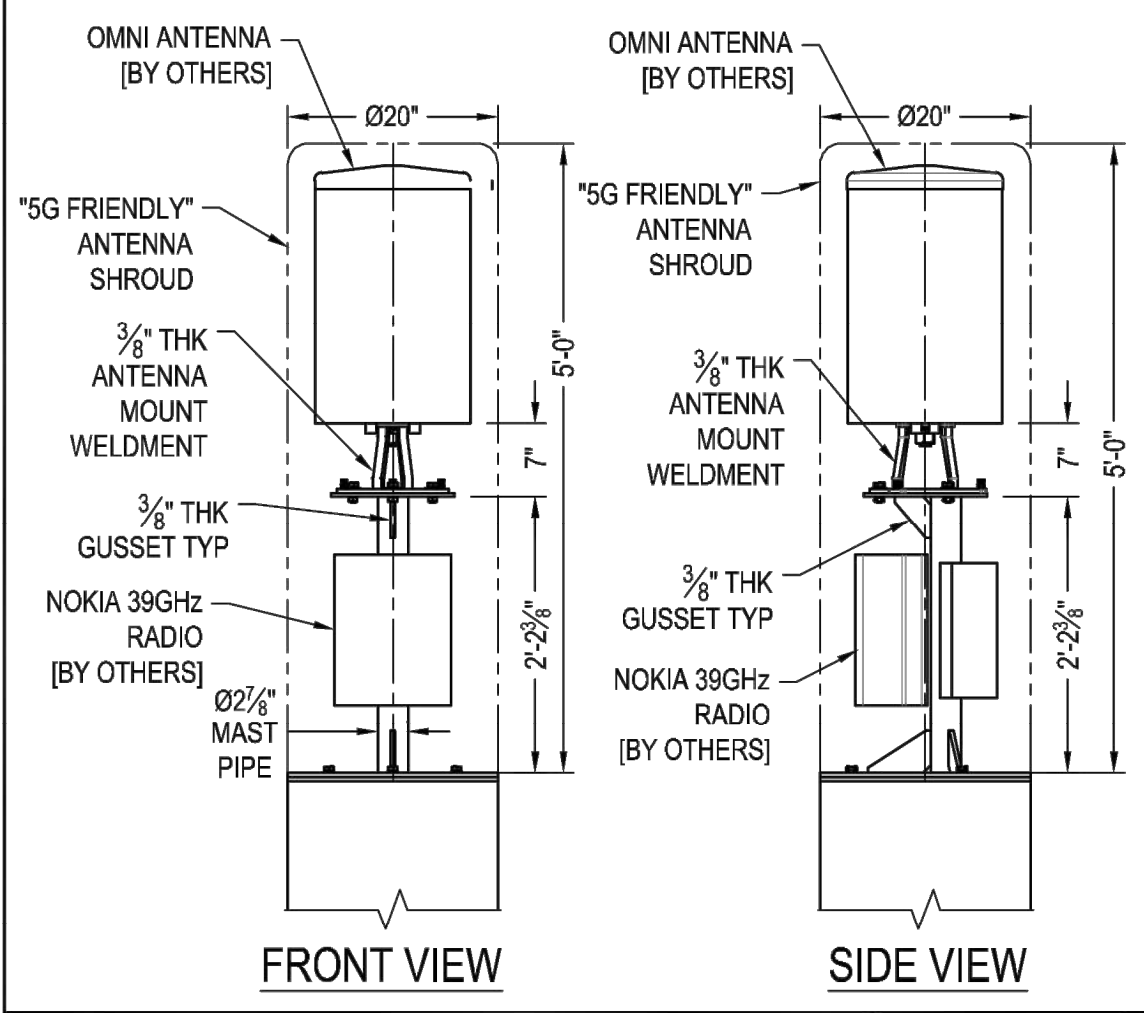
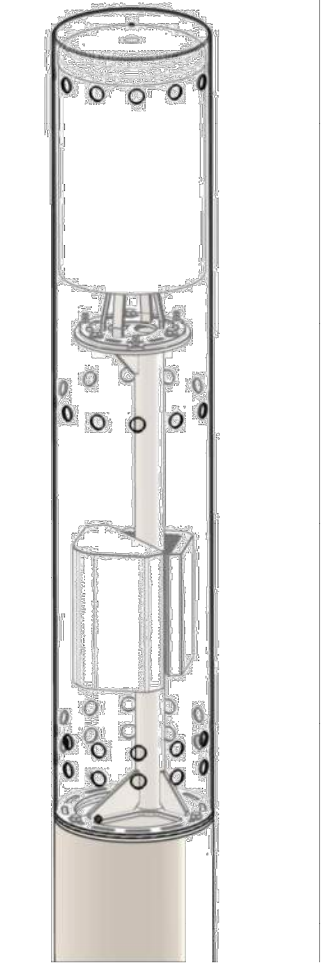
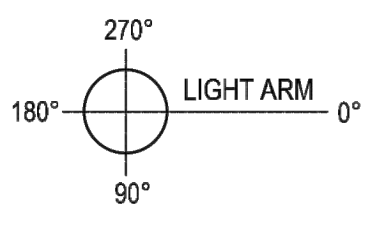
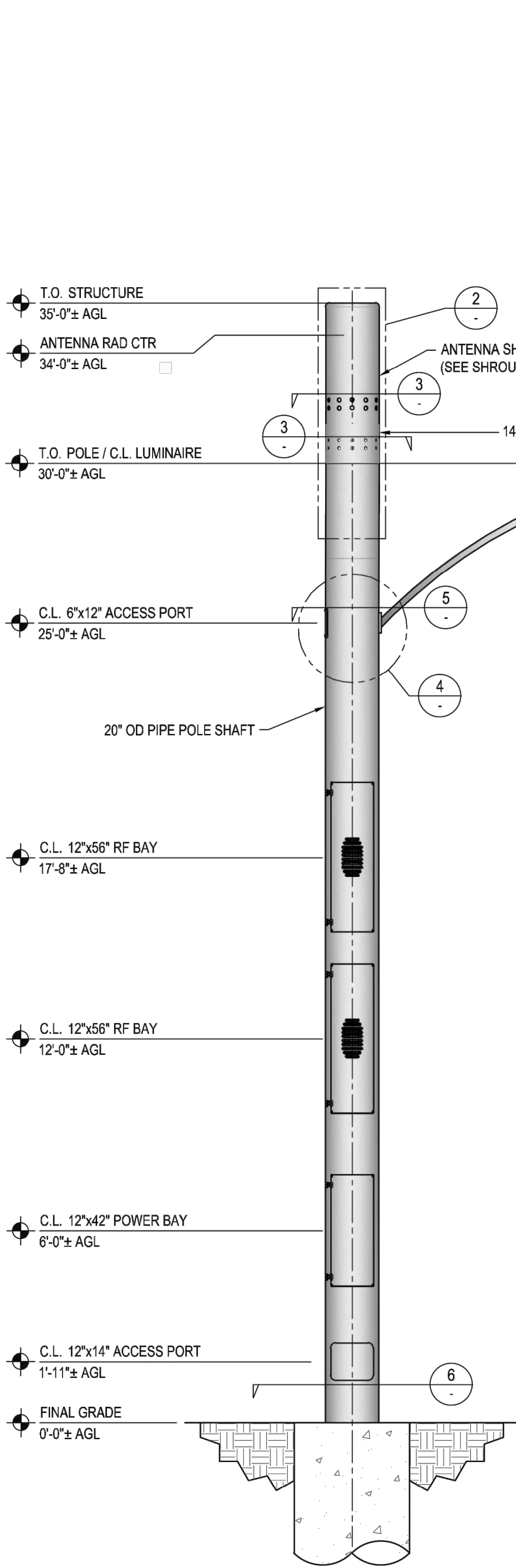
Know what's below. Call before you dig.

UULC:
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 1-800-424-5555 OR 811
 WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

7					
6					
5					
4					
3					
2	FOR PERMIT REVIEW	03/01/21	RR		
1	FOR PERMIT REVIEW	11/30/21	DP		
NO	REVISION		APPD		

FINAL CONSTRUCTION CHECKED	DATE CREATED	SCALE
	04/21/2021	N.T.S.
BY	CHECKED	APPROVED
	JW	KPB
DATE	CREATED	PROJECT #
	DP	MAS-20-4000
FIELD BOOKS	COORDINATES	SEGMENT ID
	WAB3_SF	ATT-DASC-522

CITY OF PUYALLUP	
DEVELOPMENT SERVICES	
JOB TITLE	
WATCM-050-F	
812 N. MERIDIAN	
DAS SMALL CELL INSTALLATION	
Engineering	DRAWING NO: 13 OF 18



GENERAL DESIGN NOTES:

DESIGN NOTES AND MATERIAL REQUIREMENTS:

1) THE DESIGN CRITERIA FOR THIS STRUCTURE IS AS FOLLOWS:

A) STANDARDS AND DESIGN CODES:
 INDUSTRY STANDARD: ANSII/TIA-222-H, 2018 IBC, & 2015 AASHTO LRFD-LTS-1 W/ 2017 INTERIM REVISIONS
 STEEL MANUAL: AISC 15TH EDITION
 CONCRETE CODE: ACI 318-14
 WELDING CODE: ANSII/AWS D1.1.15

B) DESIGN:
 BWS (V): 97 MPH (3-SECOND GUST) PER ANSII/TIA-222-H & 2018 IBC, SECTION 1609.1.1, EXC. 5
 RISK CATEGORY: II
 EXPOSURE CATEGORY: C
 TOPOGRAPHIC CATEGORY: 1
 V_{AASHTO}: 97 MPH (3-SECOND GUST) PER 2015 AASHTO LRFD LTS-1 W/ 2017 INTERIMS
 ICE: NOT REQ'D FOR THIS STRUCTURE PER ANNEX B
 SOIL: PER 2018 IBC, TABLE 1806.2, CLASS 5 MAT'L
 SEISMIC: PER 2018 IBC SECTION 1613, ASCE 7-16, SECTIONS 15.1.3 & 12.8

C) LOADING:
 (1) - 12" Ø X 60" TALL ANTENNA/RADIO SHROUD, WT. = 165 LBS., C.L. @ 32.5' ± AGL
 (1) - NOKIA 5G ANTENNAS/RRHS IN TOP SHROUD, WT. = 35 LBS., C.L. @ 31.7' ± AGL
 (1) - 9" TALL X 30" LONG COBRA HEAD LUMINAIRE, WT. = 45 LBS., C.L. @ 30' ± AGL
 (1) - 2 7/8" Ø X 14" (MAX.) LONG LUMINAIRE ARM, WT. = 85 LBS., C.L. @ 27.5' ± AGL
 (1) - NOKIA B12/B14 MICRO RRH, WT. = 77 LBS., C.L. @ 17.7' ± AGL
 (1) - NOKIA B25/B66 MICRO RRH, WT. = 66 LBS., C.L. @ 12' ± AGL
 (1) - CCI TWIN RRU PSU, WT. = 34 LBS., C.L. @ 6' ± AGL
 (1) - BASE COVER, WT. = 66 LBS., C.L. @ 0.33' ± AGL

D) FACTORED BASE REACTIONS:
 OVERTURNING MOMENT = 30.0 FT-KIPS
 BASE SHEAR = 1.63 KIPS
 BASE WEIGHT = 3.37 KIPS

2) GENERAL STRUCTURAL NOTES:
 A) ALL MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:
 POLE SHAFT: ASTM A53/A500 Gr.B/API 5L Gr.B (MIN. Fy = 35 ksi)
 BASE PLATE: ASTM A36
 PORTS: ASTM A500 GR.B (RECT. TUBE)
 PLATES: ASTM A36
 WELDS: E70XX ELECTRODES
 STRUCTURAL BOLTS: ASTM F3125 GR. A325
 ANCHOR BOLTS: ASTM F1554 GR. 55
 REBAR: ASTM A615 GR. 60
 B) ALL WELDING TO BE PERFORMED BY WELDERS CERTIFIED IN ACCORDANCE WITH AWS D1.1. FIELD WELDING IS PROHIBITED.
 C) ALL STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
 D) ALL STRUCTURAL BOLTS SHALL BE TIGHTENED TO SNUG-TIGHT AS DEFINED BY AISC 15TH EDITION, PG. 16.2-51 PARAGRAPH 8.1

GENERAL NOTES:

1) CONTRACTOR SHALL FIELD VERIFY SITE OR LAYOUT RESTRICTIONS, SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF WESTERN UT, INC. PRIOR TO BEGINNING PROJECT. ALL WORK SHALL BE PERFORMED USING ACCEPTED CONSTRUCTION PRACTICES.

2) NO FIELD MODIFICATIONS MAY BE MADE TO MONOPOLE WITHOUT THE EXPRESS WRITTEN CONSENT FROM THE ENGINEER OF RECORD. WESTERN UT, INC. AND ENGINEER OF RECORD ASSUME NO RESPONSIBILITY FOR THE STRUCTURE IF ALTERATIONS AND/OR ADDITIONS ARE MADE TO THE DESIGN AS SHOWN IN THESE DRAWINGS.

3) THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES, REGULATIONS, AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.

4) THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK TO THE BEST OF HIS/HER ABILITY AND SKILL. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

5) THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS, OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING SAME, WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, FORMWORK, ETC., AND SHALL CONFORM TO ALL NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, IN ORDER TO SAFELY EXECUTE ALL STAGES OF WORK TO COMPLETE THIS PROJECT.

6) IT IS THE INTENT OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION OF THE STRUCTURE SHOWN.

7) CONTRACTOR ASSUMES RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.

8) CONTRACTOR TO HOLD ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

9) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK ON THIS PROJECT.

POLE ELEVATION SCALE: 3/16" = 1'-0" 1

PORT DETAIL SCALE: NONE 5

BASE PLATE DETAIL SCALE: 3/4" = 1'-0" 6

FLANGE PLATES SCALE: NONE 3

LIGHT ARM CONNECTION SCALE: NONE 4

ANTENNA MAST DETAILS SCALE: NONE 2

CONSULTANT
WESTERN
 UTILITY / TELECOM, INC.
 5032 SALEM DALLAS HWY
 SALEM, OR 97304
 Ph: 503-587-0101 Fx: 503-316-1864
 WesternUtilityTelecom.com

OWNER
AT&T

DEVELOPER
MasTec
 Network Solutions

ENGINEER
TALMAN
 CONSULTANTS

CONTRACTOR

PROJECT
 35' TALL, CONCEALMENT
 ANTENNA/LIGHT POLE

LOCATION
**VARIOUS NODES
 IN AND AROUND**
 PUYALLUP, WA
 PIERCE COUNTY

ISSUED FOR
 PERMIT OR INSTALL

DWN BY: JLH CK'D BY: AWM DATE: 31AUG21

REVISIONS

REV.	CHANGES	DATE	BY

ENGINEER SEAL
ADRIAN W. McJUNKIN
 STATE OF WASHINGTON
 REGISTERED PROFESSIONAL ENGINEER
 36767
 03/23/2022

NOTE
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 TRANSFERABLE AND IS ONLY
 CONSIDERED AN OFFICIAL CONSTRUCTION
 DRAWING WHEN ACCOMPANIED WITH A SIGNED
 ENGINEERING SEAL.

DATUM
 VERTICAL: NAVD 88
 HORIZONTAL: NAD 83-91
 BENCH MARK: NES MER
 INTERSECTION: 5TH AVE. NE. & N.
 MERIDIAN
 ELEV. 45.476'

SHEET TITLE
 ELEVATION VIEW &
 STRUCTURAL DETAILS

WUT PROJECT NUMBER
 21-0267

DRAWING NUMBER
 PD-002173

PAGE NUMBER
 S-1

PAGE #: MRWOR040047
 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
 LAT: 47.197419° LONG: -122.293911°

811
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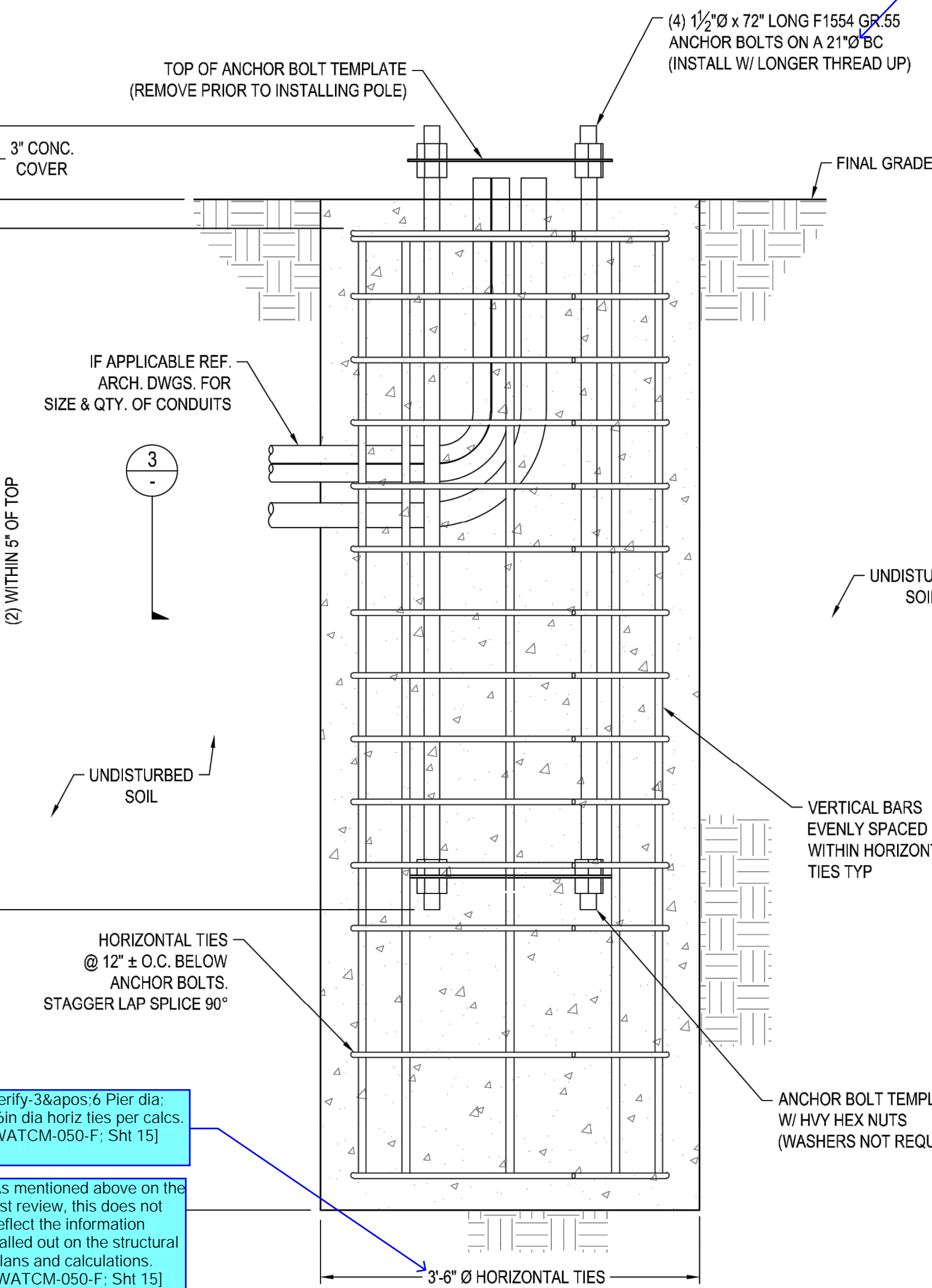
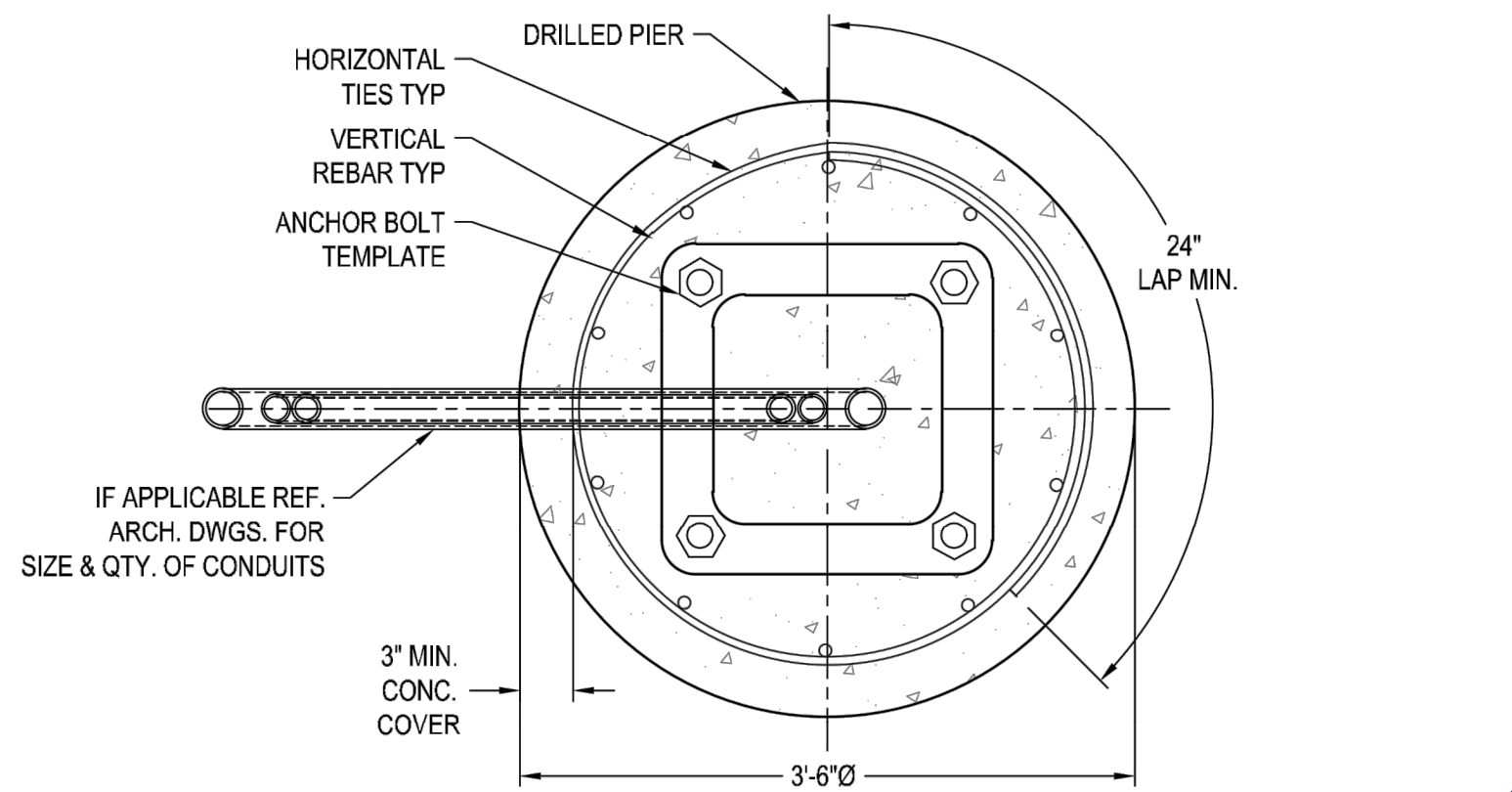
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6			
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1	FOR PERMIT REVIEW	11/30/21	DP
1	REVISION		

DATE	BY	DESCRIPTION	SCALE
04/21/2021	JW	CHECKED	N.T.S.
		APPROVED	
		KPB	
		PROJECT #	
		MAS-20-4000	
		SEGMENT ID	
		ATT-DASC-522	

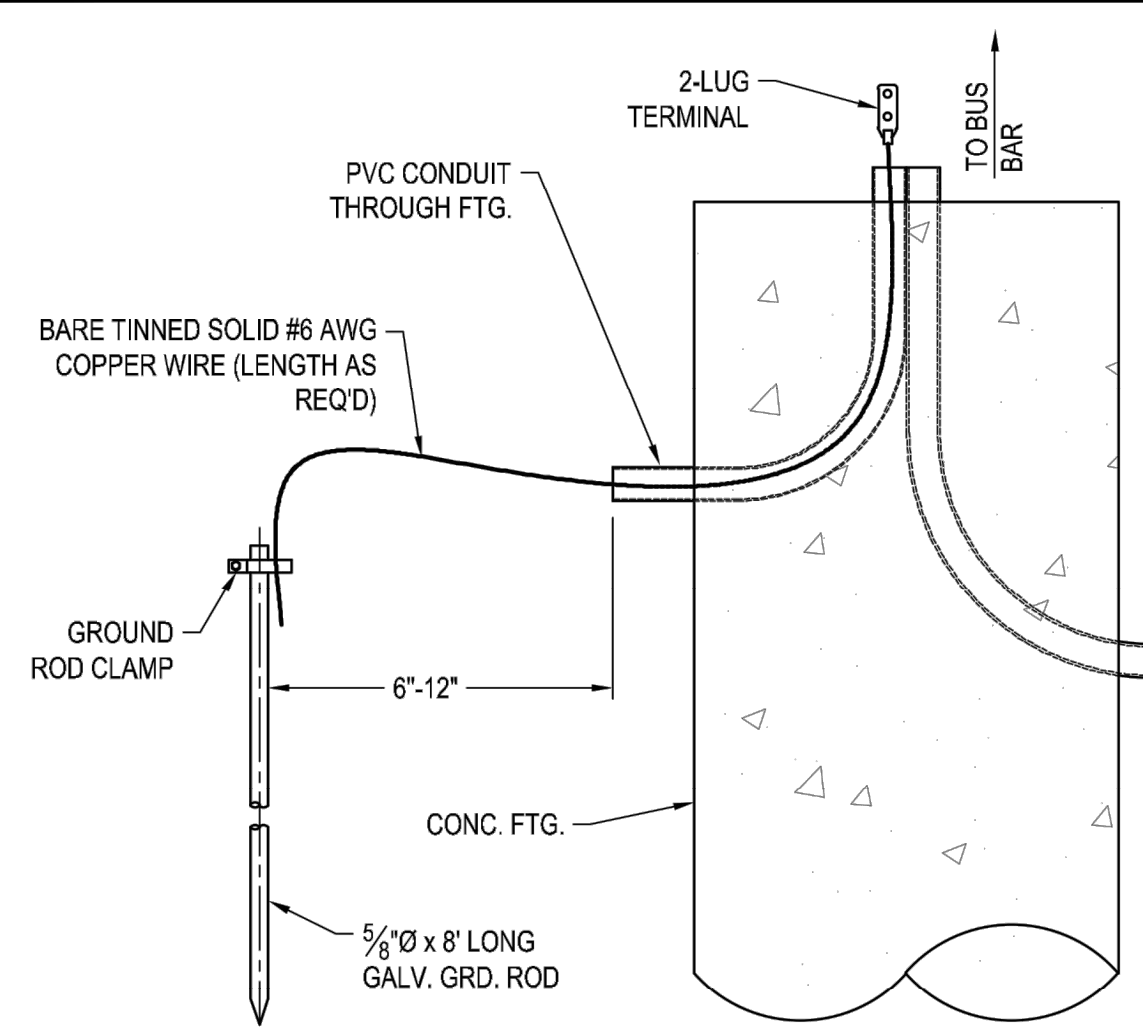
CITY OF PUYALLUP
DEVELOPMENT SERVICES
 JOB TITLE
WATCHMAN-050-F
 812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

DRAWING NO: 14 OF 18

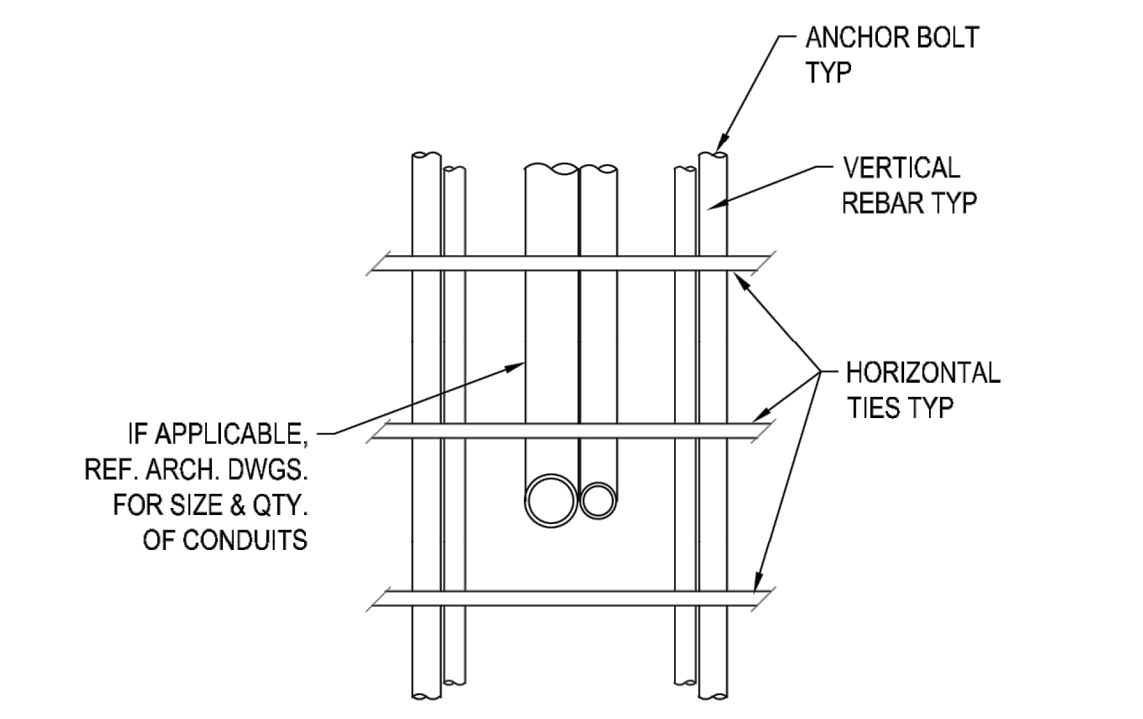


REBAR SCHEDULE					
DESCRIPTION	SIZE	QTY.	LENGTH	WEIGHT	OVERLAP
VERTICAL BARS	#8	10	6'-6"	174 LBS	N/A
HORIZONTAL TIES	#4	14	11'-6"	108 LBS	2'-0"

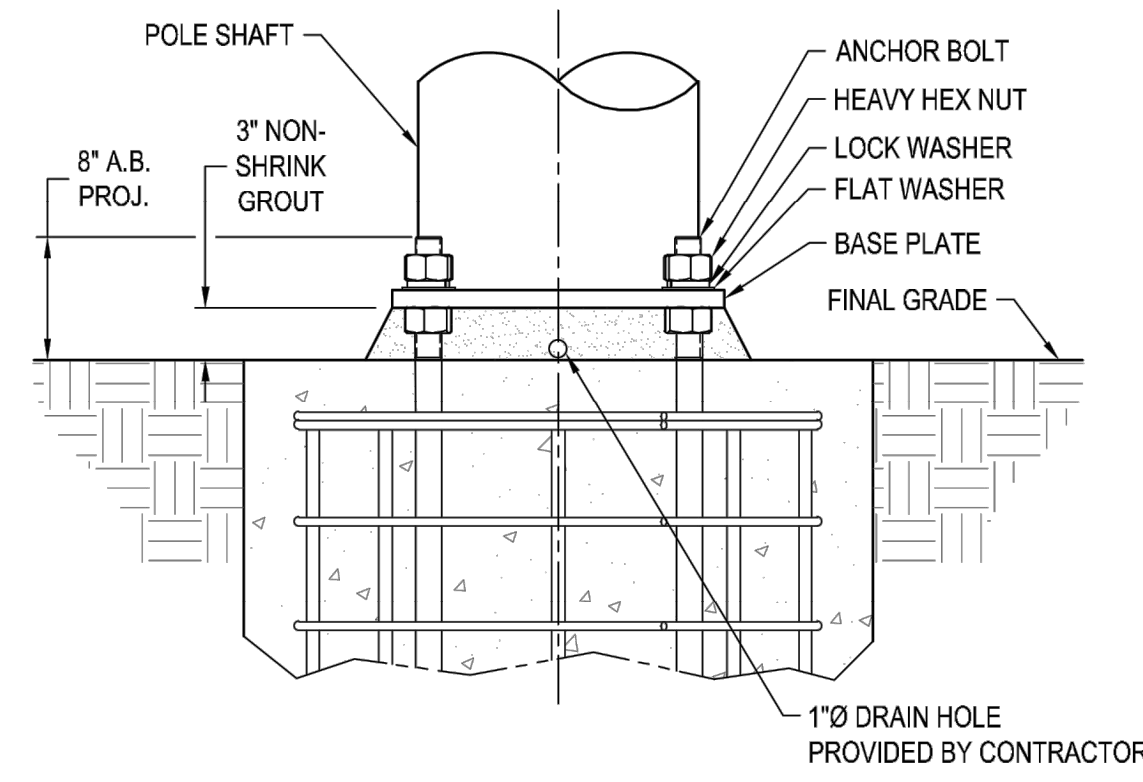
PIER ELEVATION SCALE: 5/8" = 1'-0" 1



GROUNDING KIT DETAIL SCALE: NONE 2



CONDUIT DETAIL @ PIER FACE SCALE: 1" = 1'-0" 3



BASE GROUTING DETAIL SCALE: 5/8" = 1'-0" 4

GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR UNDERGROUND FACILITIES PRIOR TO EXCAVATING ANY MATERIALS.
- CONTRACTOR SHALL REFER TO SOILS REPORT (IF AVAILABLE) FOR SITE CONDITIONS AND FURTHER CONSTRUCTION INFORMATION.
- CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM BOTTOM OF EXCAVATION.
- CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO, AND IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUT IS CRITICAL FOR MONOPOLE INSTALLATION.
- CONTRACTOR SHALL USE AND PROVIDE DEFORMED REINFORCING BARS CONFORMING TO A615 GR.60 (60,000 PSI MIN. YIELD). CONTRACTOR SHALL USE STEEL WIRE TO HOLD REINFORCING BARS TOGETHER. IF WELDING REBAR IS PREFERRED, SUBSTITUTE USING A706 GR. 60 DEFORMED BARS.
- CONTRACTOR SHALL USE AND PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. CONCRETE SHALL USE 1" MAXIMUM STONE AGGREGATE. MIX DESIGN: 6 1/2 SACKS OF CEMENT MINIMUM PER CUBIC YARD. 5" MINIMUM AND 7" MAXIMUM CONCRETE SLUMP.
- CONCRETE SHALL BE CONSOLIDATED USING VIBRATORY METHODS THROUGHOUT DEPTH OF FOUNDATION. VIBRATING LOWER DEPTHS MAY BE ACCOMPLISHED BY TOUCHING REBAR CAGE WITH VIBRATOR.
- CONTRACTOR SHOULD ANTICIPATE THE USE OF A FULL-LENGTH TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE EXCAVATED HOLE. CONCRETE SHALL BE PLACED USING CONVENTIONAL METHODS TO MINIMIZE SEGREGATION OF CONCRETE AND AGGREGATE. CONCRETE SHALL NOT FREE FALL MORE THAN 5 FT. CONCRETE MAY BE PLACED BELOW WATER USING TREMIE METHODS.
- CONCRETE SHALL BE PLACED TO THE DEPTH INDICATED, AND THE ABOVE GRADE PORTION SHALL BE FORMED. THE REBAR CAGE, ANCHOR BOLTS, AND CONCRETE SHALL BE PLACED WITHIN 24 HOURS OF COMPLETING THE EXCAVATION. COLD JOINTS ARE NOT ALLOWED.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADEQUATE CONCRETE COVERAGE OVER REINFORCING BARS TO MINIMIZE CORROSION POTENTIAL. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL USE 3" CONCRETE COVER OVER REBAR. TOP OF FOOTING SHALL BE TOWELED LEVEL AND SMOOTH.
- DRILLED PIER FOUNDATION DESIGN PER 2018 IBC, TABLE 1806.2, CLASS 5 MATERIAL.
- TOTAL VOLUME OF CONCRETE REQUIRED FOR THIS FOUNDATION IS APPROXIMATELY 2.5 CU. YDS.

FACTORED BASE REACTIONS

MOMENT = 30.0 FT-KIPS
 SHEAR = 1.63 KIPS
 VERTICAL = 3.37 KIPS

SPECIAL INSPECTIONS

SPECIAL INSPECTION: THE FOLLOWING ELEMENTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER 2018 IBC, SECTION 17.

ITEM	DESCRIPTION	INSPECTION BY	MATERIAL
1	ALLOWABLE PIER EXCAVATION LATERAL BEARING	SOILS ENGINEER	100 PSF/FT LATERAL
2	PIER CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALLATION	SPECIAL INSPECTOR	ASTM A615 GR. 60
3	ANCHOR BOLTS BOLT SIZE AND LENGTHS INSTALLATION	SPECIAL INSPECTOR	ASTM F1554 GR.55
4	CONCRETE TEST SPECIMENS	SPECIAL INSPECTOR	f _c = 4,000 PSI TYPE II CEMENT

CONSULTANT
WESTERN
 UTILITY / TELECOM, INC.
 5032 SALEM DALLAS HWY
 SALEM, OR 97304
 Ph: 503-587-0101 Fx: 503-316-1864
 WesternUtilityTelecom.com

OWNER
AT&T

DEVELOPER
MasTec
 Network Solutions

ENGINEER
TALMAN
 CONSULTANTS

CONTRACTOR

PROJECT
 35' TALL, CONCEALMENT
 ANTENNA/LIGHT POLE

LOCATION
**VARIOUS NODES
 IN AND AROUND**
 PUYALLUP, WA
 PIERCE COUNTY

ISSUED FOR
 PERMIT OR INSTALL

DWN BY: CK'D BY: DATE
 JLH AWM 12/17/20

REV.	CHANGES	DATE	BY

ENGINEER SEAL
ADRIAN W. McJUNKIN
 STATE OF WASHINGTON
 REGISTERED PROFESSIONAL ENGINEER
 20105731
 03/23/2022

NOTE
 THE FOLLOWING PLAN SET IS NOT TRANSFERABLE AND IS ONLY CONSIDERED AN OFFICIAL CONSTRUCTION DRAWING WHEN ACCOMPANIED WITH A SIGNED ENGINEERING SEAL.

DATUM
 VERTICAL: NAVD 88
 HORIZONTAL: NAD 83-91
 BENCH MARK: N65 MER
 INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
 ELEV. 45.476'

SHEET TITLE
**PIER FOUNDATION
 INSTALLATION**

WUT PROJECT NUMBER
21-0267

DRAWING NUMBER
PD-002173

PAGE NUMBER
F-1

PAGE #: MRWOR040047
 SCIP ID #: 27107-50-F
 USID #: 275861
 FA #: 14847400
 POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
 POLE #: T.B.D.
 LAT: 47.197419° LONG: -122.293911°

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

UULC:
 UTILITIES UNDERGROUND LOCATION CENTER
 1-800-424-5555 OR 811
 WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

NO	REVISION	DATE	APPD
7			
6			
5			
4			
3			
2	FOR PERMIT REVIEW	03/01/21	RR
1	FOR PERMIT REVIEW	11/30/21	DP

DATE	DESCRIPTION	DATE CREATED	SCALE
		04/21/2021	N.T.S.

CITY OF PUYALLUP
DEVELOPMENT SERVICES
 JOB TITLE
WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

DRAWING NO: 15 OF 18

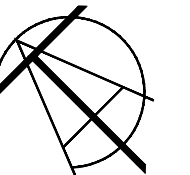
OWNER



DEVELOPER



ENGINEER

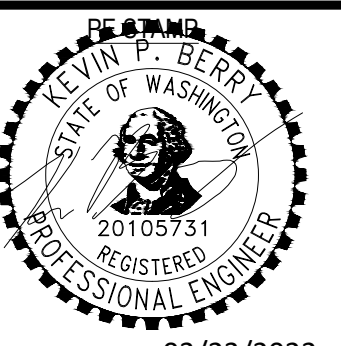


TALMAN CONSULTANTS

CONTRACTOR

SHEET TITLE

STANDARD CONSTRUCTION DETAILS



03/23/2022

NOTE: THE FOLLOWING PLAN SET IS NOT TRANSFERABLE AND IS ONLY CONSIDERED AN OFFICIAL CONSTRUCTION DRAWING WHEN ACCOMPANIED WITH A SIGNED ENGINEERING SEAL.

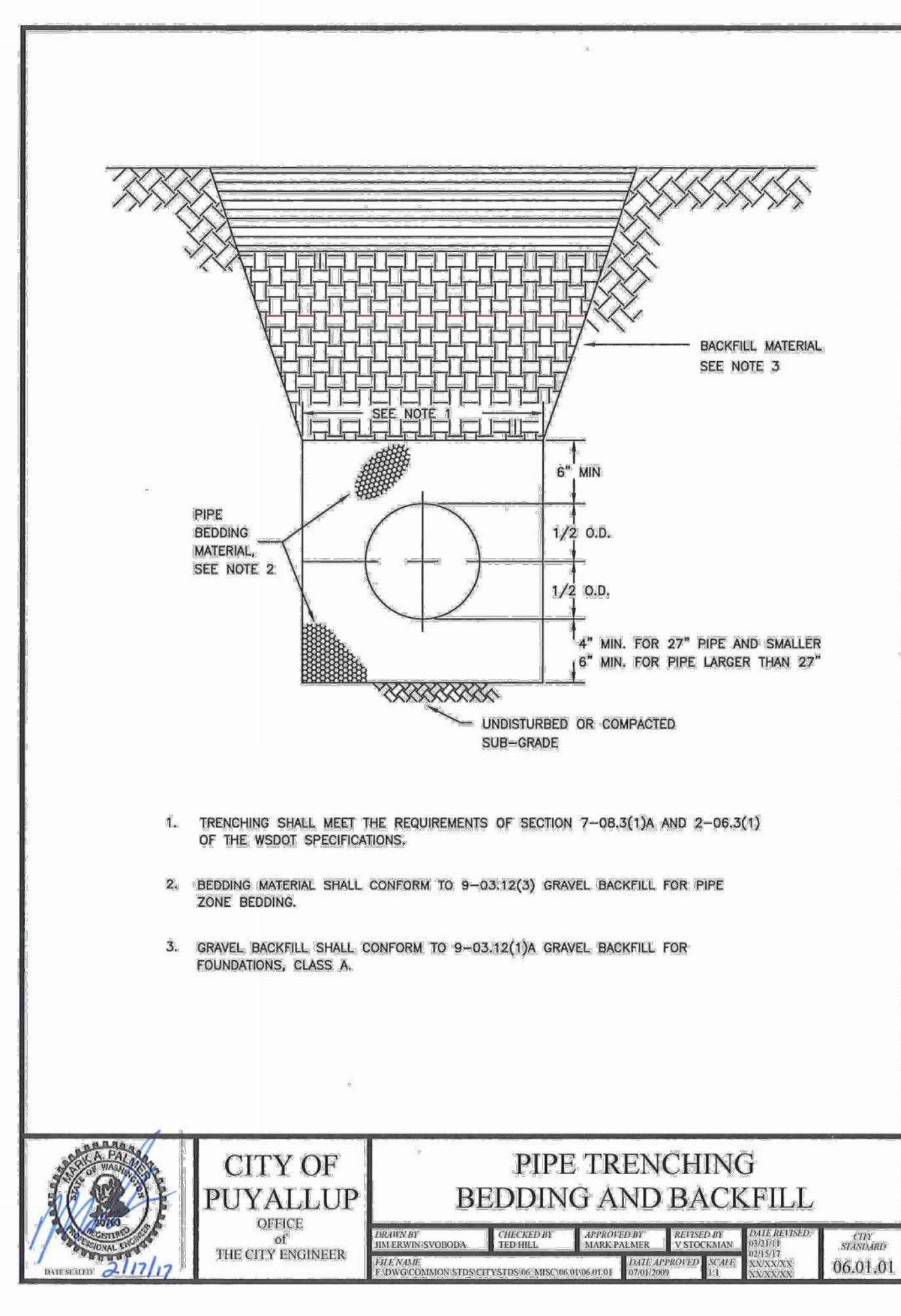
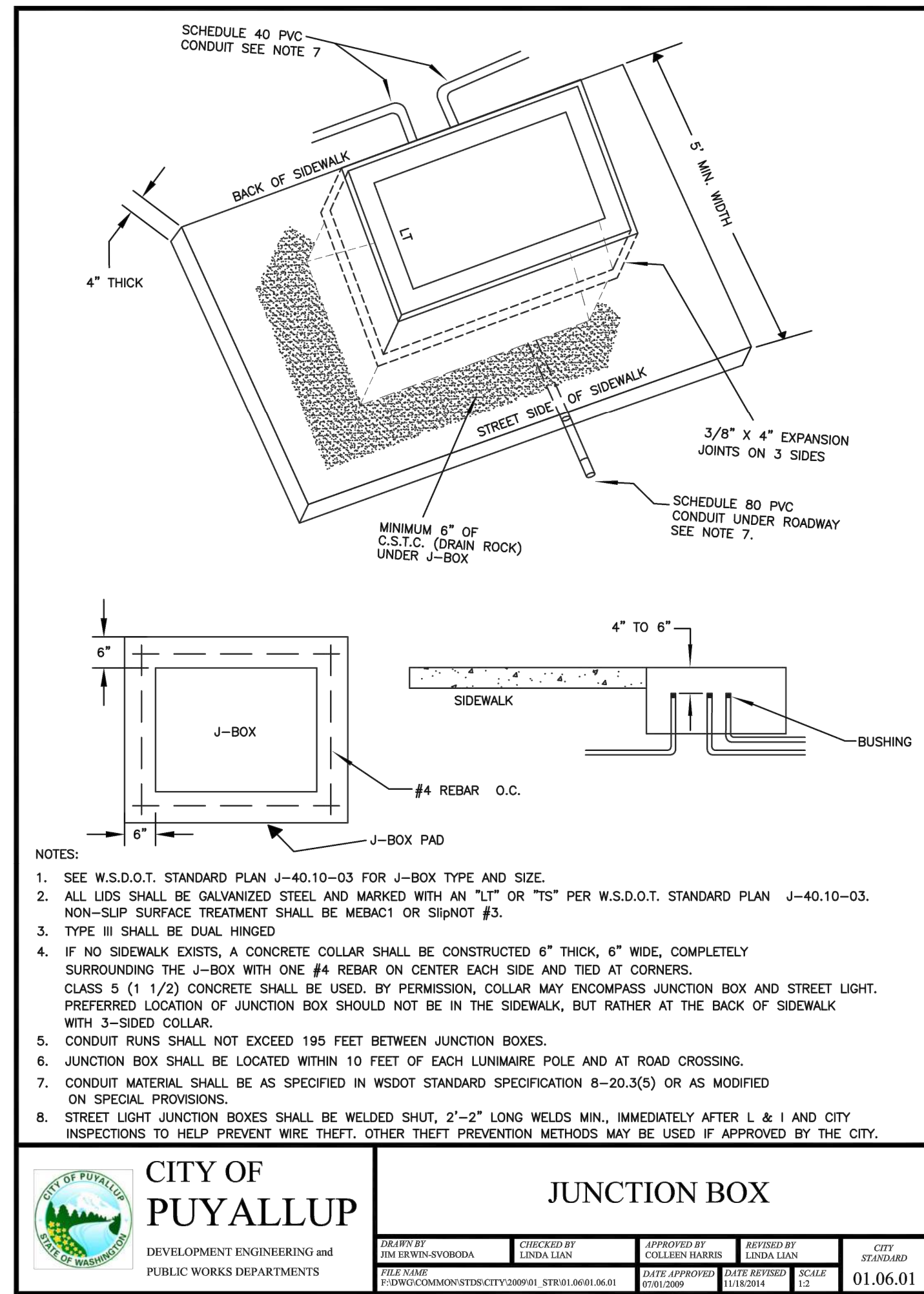
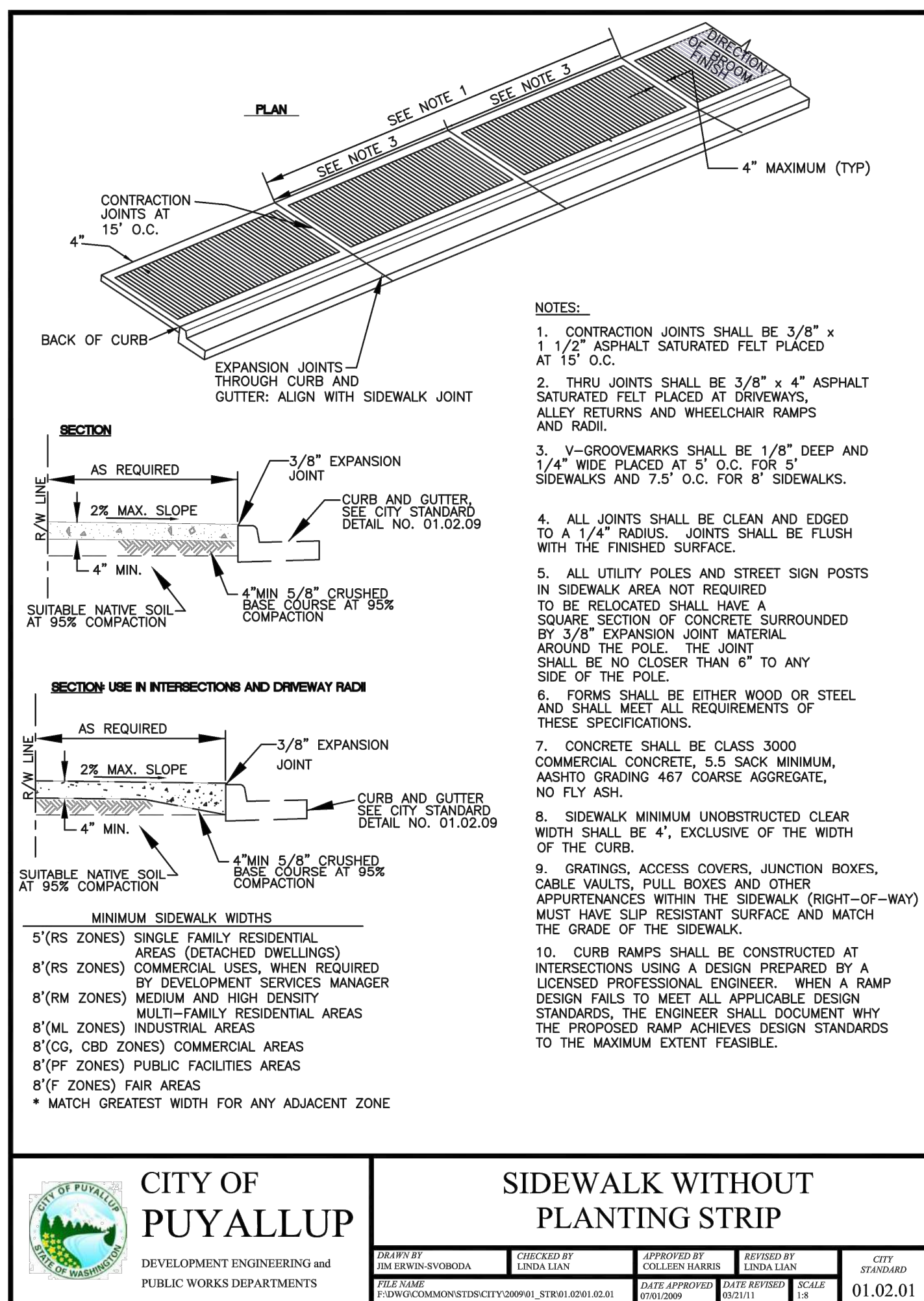
DATUM

VERTICAL: NAVD 88
HORIZONTAL: NAD 83-91
BENCH MARK: NES MER
INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
ELEV. 45.476'

SCALE



N.T.S.



PACE #: MRWOR040047
SCIP ID #: 27107-50-F
USID #: 275861
FA #: 14847400
POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
POLE #: T.B.D.
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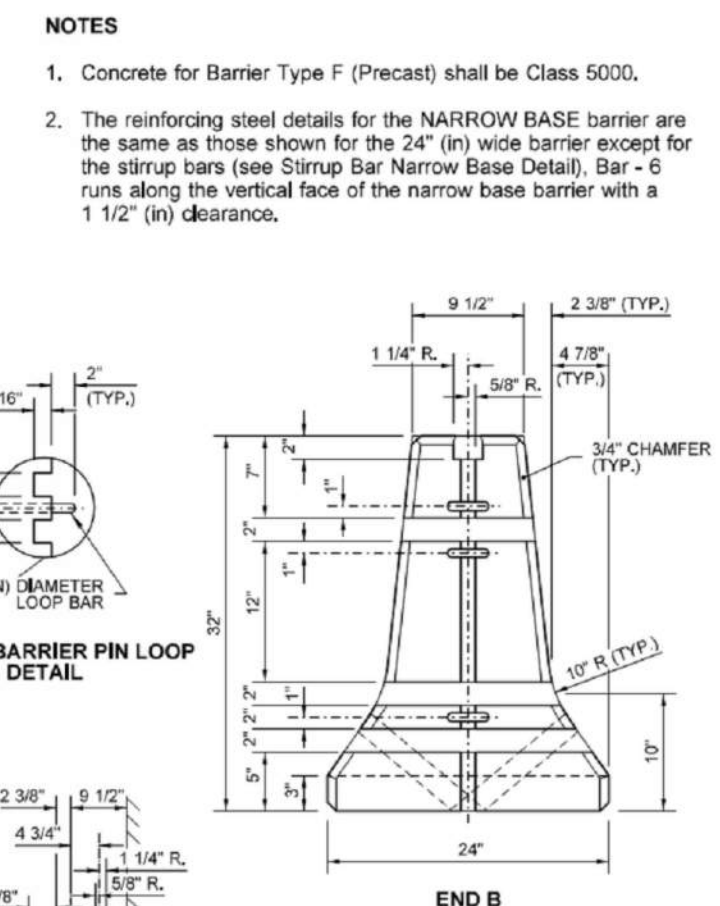
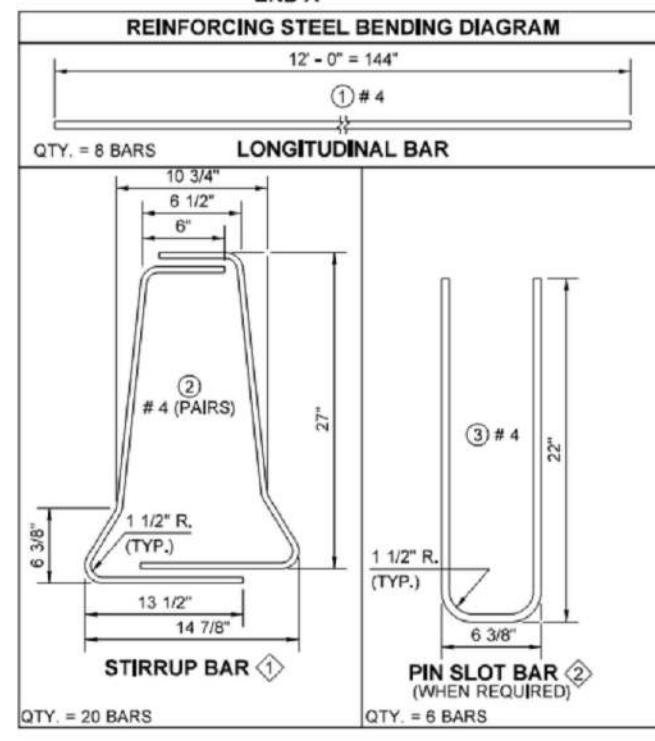
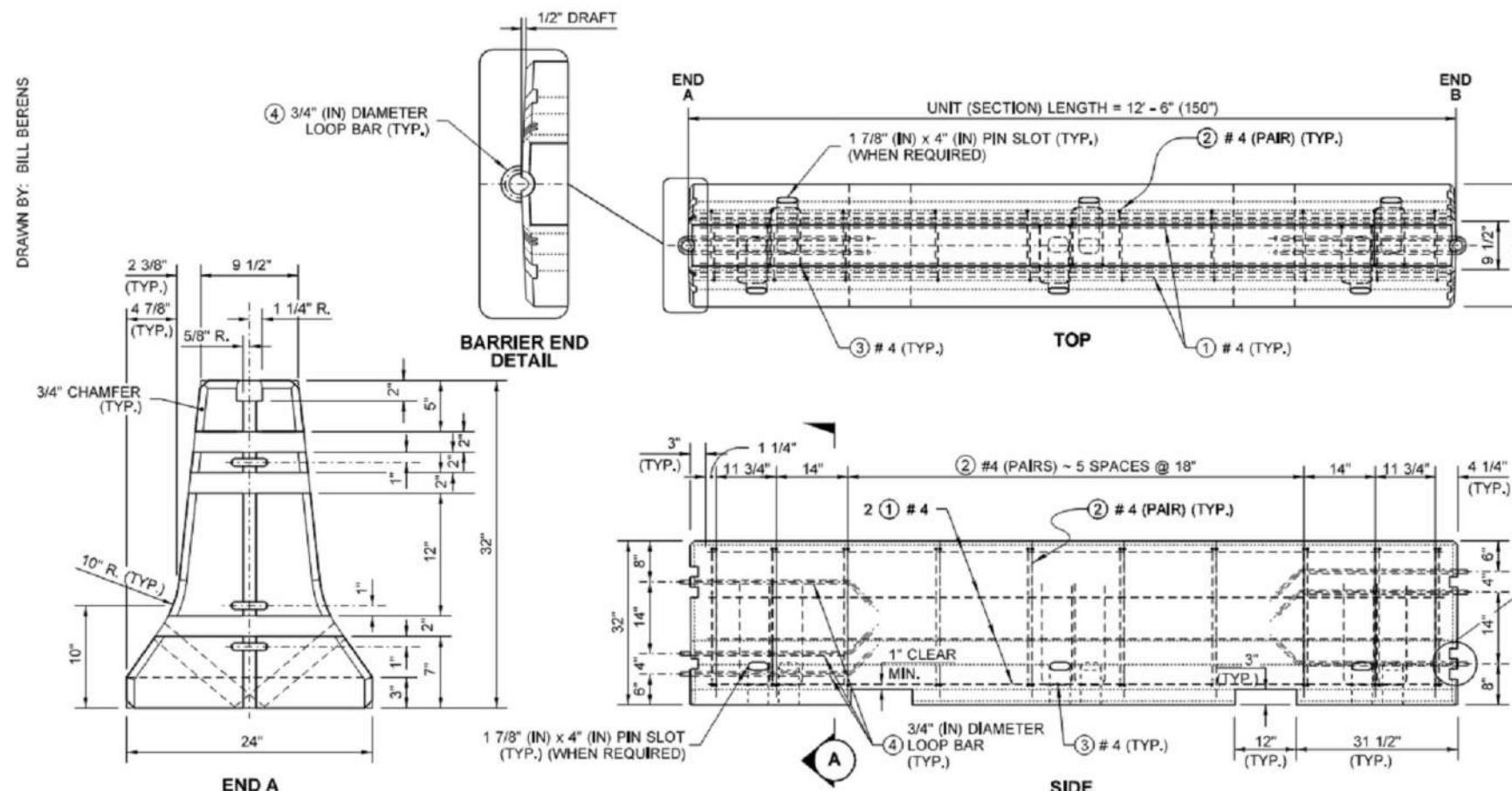
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CITY OF PUYALLUP
DEVELOPMENT SERVICES

JOB TITLE
WATCM-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

Engineering

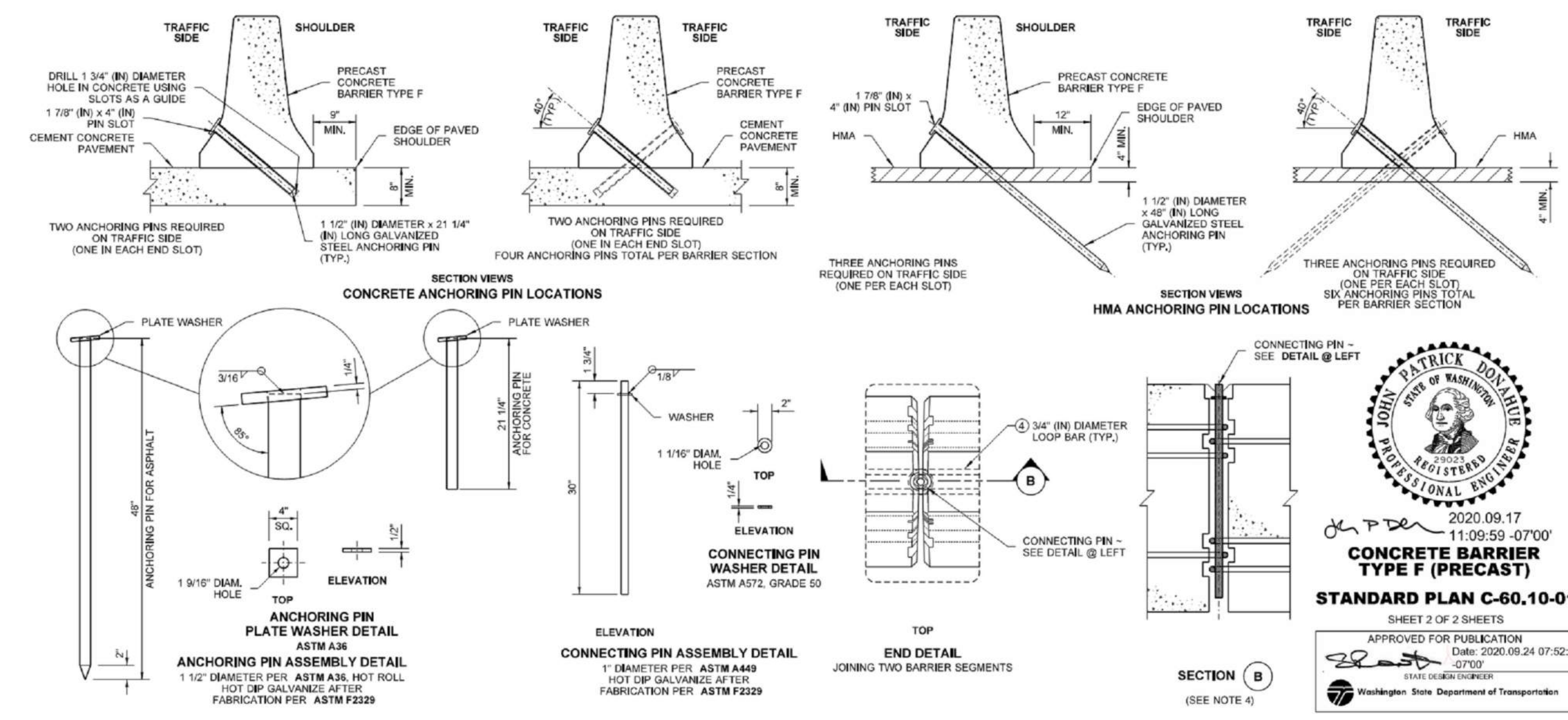
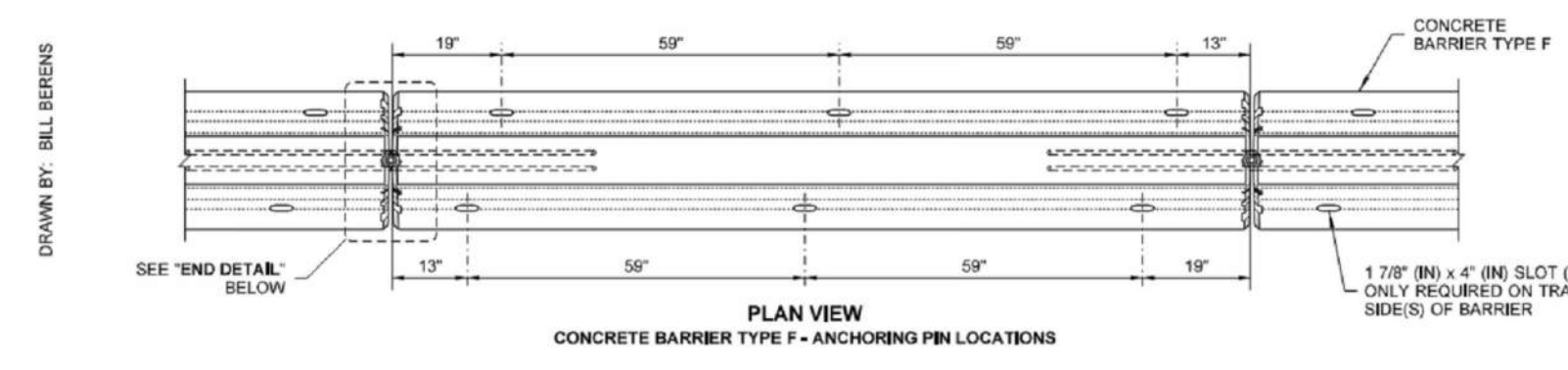
DRAWING NO: 16 OF 18



JOHN PATRICK DONAHUE
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

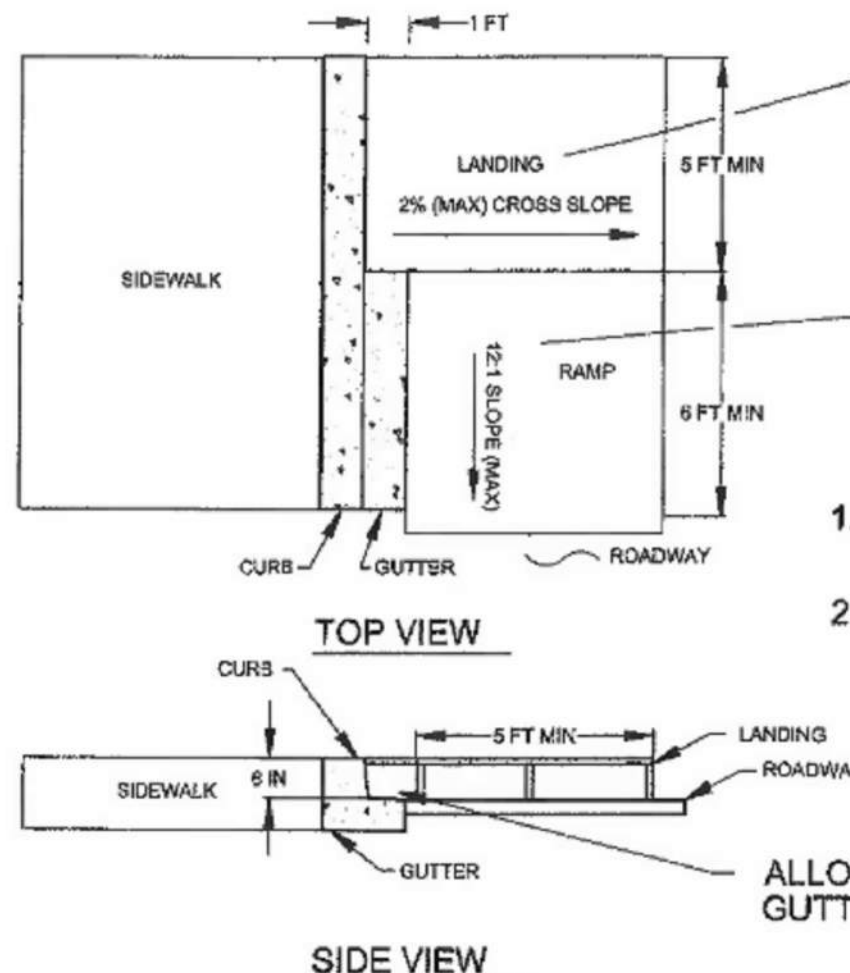
2020.09.17
10:57:38-0700'
CONCRETE BARRIER
TYPE F (PRECAST)
STANDARD PLAN C-60.10-01

APPROVED FOR PUBLICATION
Date: 2020.09.24
07:52:11-0700'
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION



NOTES (Anchoring and Joining Barrier)

- Precast Concrete Barrier Type F can be installed in the following configurations:
 - Unanchored on hot mix asphalt (HMA), or cement concrete pavement in permanent or temporary installations, and on compacted soil in temporary installations. It is permissible to manufacture the Type F barrier without pin slots and pin slots when barrier is not anchored.
 - Anchored on hot mix asphalt (HMA) or cement concrete pavement in permanent or temporary installations as shown on this plan. See Standard Plan K-80.35 and K-80.37 for anchoring Type F Narrow Base in temporary installations on cement concrete pavement or bridge decks.
- See Standard Plan C-60.70 for anchoring patterns when transitioning from Type F anchored runs to another type of barrier run.
- After removing the anchoring pins, clean the pin holes and fill them with sealant according to Standard Specification Section 9-04.2.
- Remove slack between barrier segments after inserting the connecting pin.

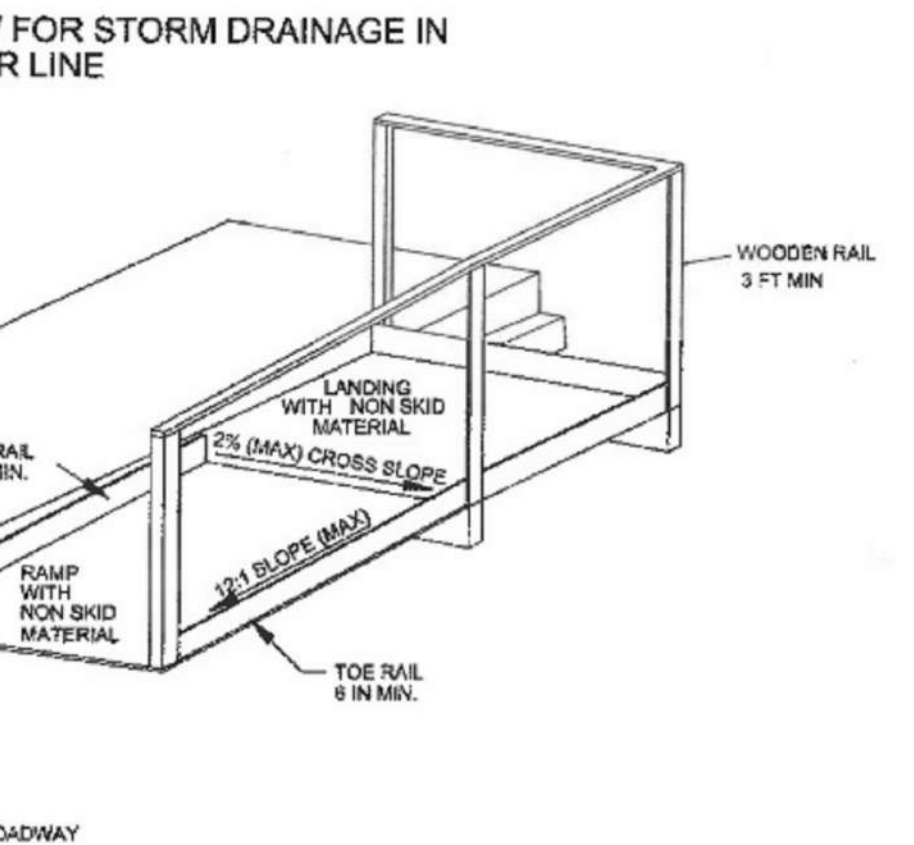


RAMP LANDING SHALL BE 1" X 5' X 5' (MIN) AND FLUSH WITH THE TOP OF THE CURB

RAMP SHALL BE 1" X 5' X 6' (MIN) AND HAVE A 600 POUND LOAD CAPACITY MIN.

NOTES:

- CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
- ADA ACCOMMODATIONS MUST BE ADDRESSED AND CONSIDERED FOR ALL WORK OPERATIONS. EXISTING ADA FACILITIES MUST BE MAINTAINED.



PACE #: MRWOR040047
SCIP ID #: 27107-50-F
USID #: 275861
FA #: 14847400
POLE TYPE: PUYALLUP PUBLIC WORKS LIGHT POLE
POLE #: T.B.D.
LAT: 47.197419° LONG: -122.293911°



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1-800-424-5555 OR 811
WWW.CALLBEFOREYOU.DIG.ORG/WASHINGTON
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

7					
6					
5					
4					
3					
2					
1					
NO					

BY	FINAL CONSTRUCTION CHECKED	DATE	FIELD BOOKS
DATE	04/21/2021	11/30/21	LKK
DATE			APPD

CITY OF PUYALLUP
DEVELOPMENT SERVICES
JOB TITLE
WATCH-050-F
812 N. MERIDIAN
DAS SMALL CELL INSTALLATION

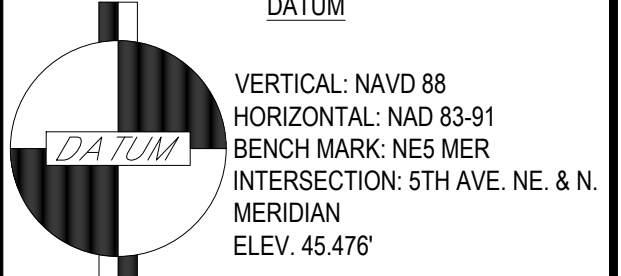
DRAWING NO: 17 OF 18



SHEET TITLE
TRAFFIC CONTROL PLAN
ADDITIONAL SPECS



NOTE
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SCALE



PHOTO SIMULATION
LOOKING NORTHWEST

Incorrect Jurisdiction
(WATCM-050-F: Sht 18)

OWNER



DEVELOPER



ENGINEER



CONTRACTOR

SHEET TITLE

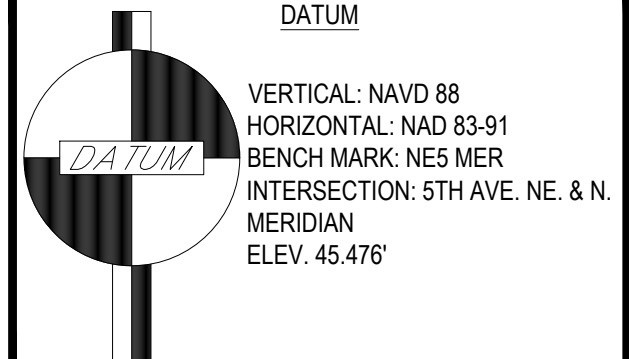
PHOTO SIMULATION



03/23/2022

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DATUM



VERTICAL: NAVD 88
HORIZONTAL: NAD 83-91
BENCH MARK: NES MER
INTERSECTION: 5TH AVE. NE. & N. MERIDIAN
ELEV. 45.476'

SCALE



N.T.S.

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3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

7					
6					
5					
4					
3					
2	FOR PERMIT REVIEW	03/01/21	RR		
1	FOR PERMIT REVIEW	11/30/21	DP		
NO	REVISION	DATE	APPD		

	FINAL CONSTRUCTION CHECKED	DATE CREATED	SCALE
		04/21/2021	N.T.S.
BY	CHECKED	APPROVED	
	JW	KPB	
DATE	CREATED	PROJECT #	
	DP	MAS-20-4000	
FIELD BOOKS	COORDINATES	SEGMENT ID	
	WA83_SF	ATT-DASC-522	

CITY OF PUYALLUP DEVELOPMENT SERVICES		
JOB TITLE WATCM-050-F 812 N. MERIDIAN DAS SMALL CELL INSTALLATION		
DRAWING NO:	18	OF 18

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