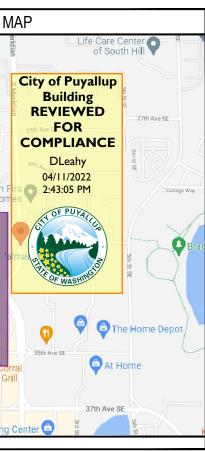
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<section-header></section-header>			DOCUMENTS MUST BE POSTED ON THE JOB FOR ALL INSPECTIONS IN A VISABLE	SITE INFORMATION	Т
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>	N EC	h	SIZED COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE	ADDRESS: P.O. BOX 47339 DEPARTMENT OF TRANSPORTATION ATTN: CASHIER OLYMPIA, WA 98504-7339	N
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>				TOWER CO SITE ID: 880329	т
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>			SCOPE OF WORK	TOWER APP NUMBER: 564913	
<text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text>			THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT, CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE.	COUNTY: PIERCE	s
	Prior to starting site work, request an erosion and sediment inspection	ess_	TOWER SCOPE OF WORK	• • • • • • • • • • • • • • • • • • • •	
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<section-header></section-header>	DISH Wireless L.L.C. SITE ID:		INSTALL (6) PROPOSED RRUS (2 PER SECTOR) INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP) INSTALL (1) PROPOSED HYBRID CABLE		s
<section-header></section-header>	SESEA00401B			ZONING DISTRICT: TBD	
<section-header></section-header>	CECEA00401D		N INSTALL (1) PROPOSED CONCRETE PAD	PARCEL NUMBER: 041904-4084	
<section-header></section-header>	DISH Wireless L.L.C. SITE ADDRESS	8:	INSTALL (1) PROPOSED PPC CABINET INSTALL (1) PROPOSED EQUIPMENT CABINET	OCCUPANCY GROUP: U	R
<section-header> PUYALLUP, WA 93375 WASHINGTON CODE COMPLIANCE WASHINGTON CODE COMPLIANCE</section-header>	3150 S MERIDIA	N	INSTALL (1) PROPOSED TELCO CONDUIT INSTALL (1) PROPOSED TELCO-FIBER BOX	CONSTRUCTION TYPE: II-B	
			INSTALL (1) PROPOSED GPS UNIT INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED) INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)	POWER COMPANY: PSE	
	$ \qquad PUTALLUP, WA 96.$	3/3		TELEPHONE COMPANY: CENTURYLINK	
	WASHINGTON CODE COMPLIAN	CE	SITE PHOTO	DIREC	CTIC
SHEET NO. SHEET TILE City of Puyaliup Development and to construct a start of the start and construct a start of the start and the spectral domaines or overall by the dise or rotations See permit conditions. Aria Construct a start of the spectral conditions. See permit conditions. See permit co	CODE TYPE CODE BUILDING 2018 IBC W/ W.A.C. AMENDMENTS MECHANICAL 2018 IMC W/ W.A.C. AMENDMENTS			PUYALLUP. TAKE THE EXIT TOWARD MERIDIAN ST S FRO MERIDIAN TO YOUR DESTINATION 4 MIN (1.3 MI) APPROVED TO PROCEEDSUBJECT TO ANY SPECIAL	INSP
	SHEET INDEX			VICINI	ΤY
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Image: Control of Contro	A-6 EQUIPMENT DETAILS	6:31:18 AM	02_18_2021_15:04	A Mer	
G-2 GROUNDING DETAILS WWW.WASHINGTONB11.COM Approval of submitted plans is not an approval of omissions or oversight Approval of submitted plans is not an approval of omissions or oversight Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED Approval of submitted plans is not an approval of omissions or oversight Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED Our and approval of contractor or straughter the emplicable building coedes and regulations of local government. Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE BEFORE Our approval of contractor or straughter the emplicable building coedes and regulations of local government. Our approval of submitted plans is not an approval of omissions or oversight Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED Our approval of submitted plans is not an approval of omissions or oversight Our approval of submitted plans is not an approval of omissions or oversight Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED Our effective for and contractor is responsible for mathematications of the plane is and and regulations of local government. Our effective for and contractor is responsible for mathematicate is provided to the plane is an approval of contractor is responsible for mathematicate is provided or the plane is an approval of submitted plane is an approval of contractor is responsible for mathematicate is response for mathematicate is response and regulations of local government. Our effective for for themathematicate is resplane building codes and r	E-2 ELECTRICAL DETAILS E-3 ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE	GTY OF PUVALLUR	UTILITY NOTIFICATION CENTER OF WASHINGTON	CITY OF PUYALLUP	
Out 2 working being under some of the local government. Date of t	G-2 GROUNDING DETAILS	A LED			
GN-1 LEGEND AND ABBREVIATIONS GN-2 GENERAL NOTES GN-3 GENERAL NOTES GN-4 GENERAL NOTES M-4 GENERAL NOTES M-5 GENERAL NOTES M-6 GENERAL NOTES M-7 GENERAL NOTES M-8 GENERAL NOTES M-1 LEVENCE M-1 GENERAL NOTES M-1 Mathematication of submitted plans is not an approval of omissions or oversight Divis office or noncompliance with any applicable regulations of local government. Contractor stresponsible for making sure that the building compliase with all applicable building codes and regulations of local Contractor shall verify All plans, Existing Dimensions, AND Conditions on the Joes site, AND Shall immediately worthy the Engineer in writing of AND blockers before		OF WASHING	CALL 2 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION		
GN-2 GENERAL NOTES GN-3 GENERAL NOTES GN-4 GENERAL NOTES M-4 GENERAL NOTES D Drainage. No Sanifary Sewer service, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED. M-4 GENERAL NOTES M-4 GENERAL NOTES M-5 General notes M-6 General notes M-7 General notes M-7 General notes M-8 General notes M-9 Provide of submitted plans is not an approval of omissions or oversight D Dy this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the local government. The local regulations of local government. The local regulations of local government. The local regulations of regulations of the local government. The local regulations of local government. The local regulations of regulations of regulations of the local regulations of regulations of the local regulations of regulations of the local regulations of regulating regulating regulations of regulations of regulation			GENERAL NOTES		
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Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complices with all applicable building codes and regulations of the local government.			DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL	modification.	
building complies with all applicable building codes and regulations of CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE	by this office or noncompliance with any applicable regulations of local	ht	11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED		
	building complies with all applicable building codes and regulations of				oppin

APPLICANT:	DISH Wireless L.L.C. 5701 South Santa fe Drive Littleton, co 80120
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317 (724) 416-2000
Site designer:	PM&A 1000 HOLCOMB WOODS PKWY SUITE 210 ROSWELL, GA 30076 (678) 2802325
SITE ACQUISITION:	ANDREW MAGOON (602) 845–1783
CONSTRUCTION M	ANAGER: JOHN DORROUGH (480) 251–9031
RF ENGINEER:	DOUGLAS MARTINEZ DOUGLAS.MARTINEZ@DISH.COM

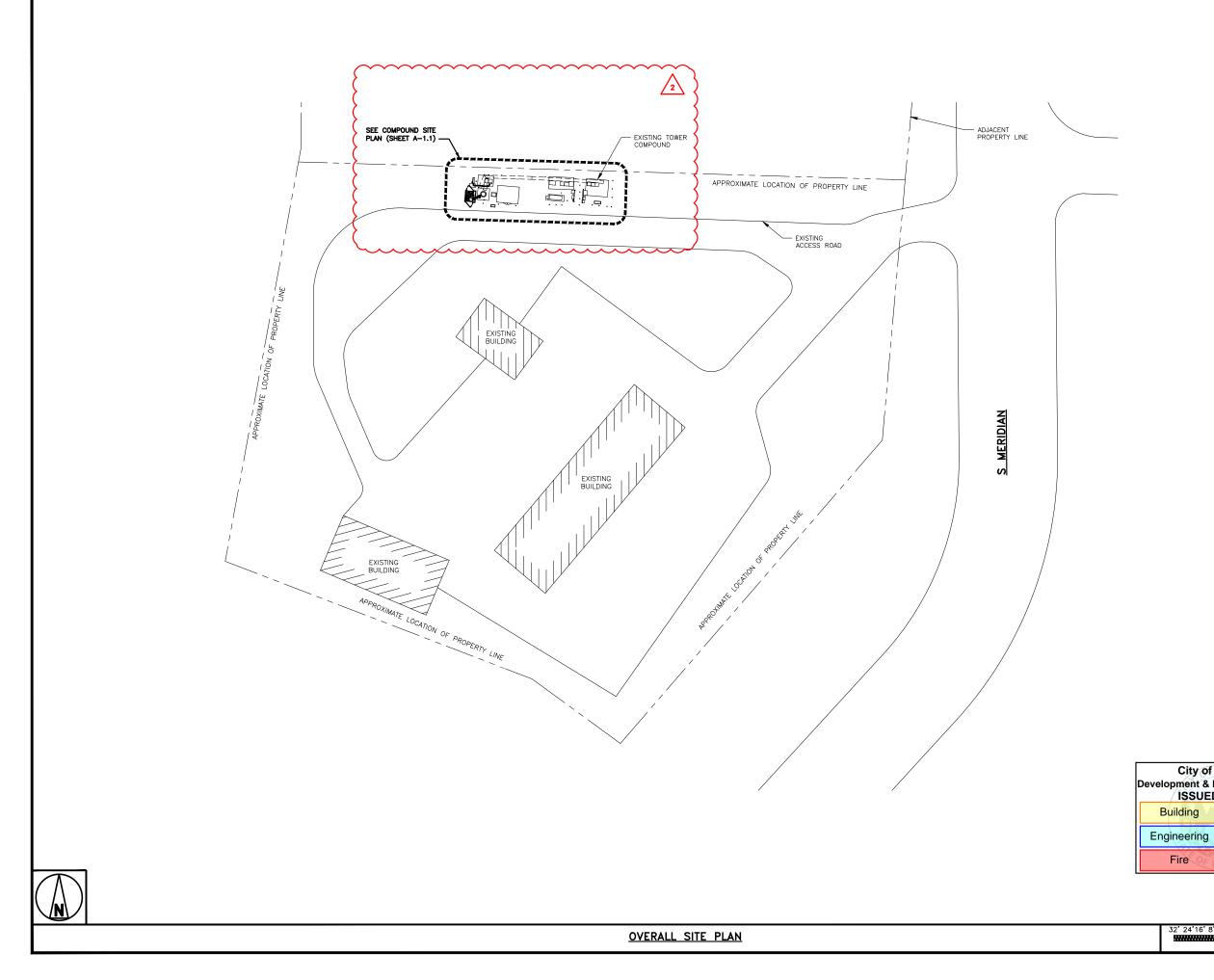
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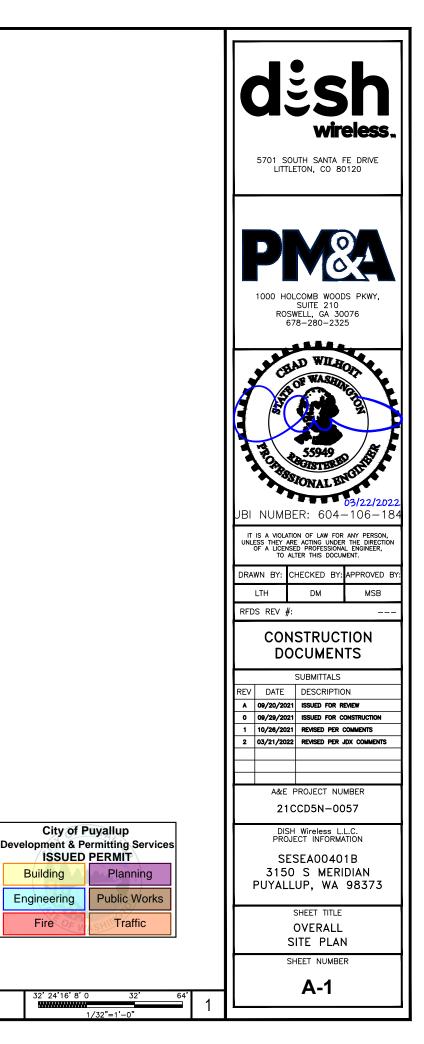
IONAL AIRPORT: (4 MIN (2.1 MI) DRIVE FROM WA-167 S TO A-161 S/WA-512 W. 26 MIN (25.6 MI) FOLLOW S

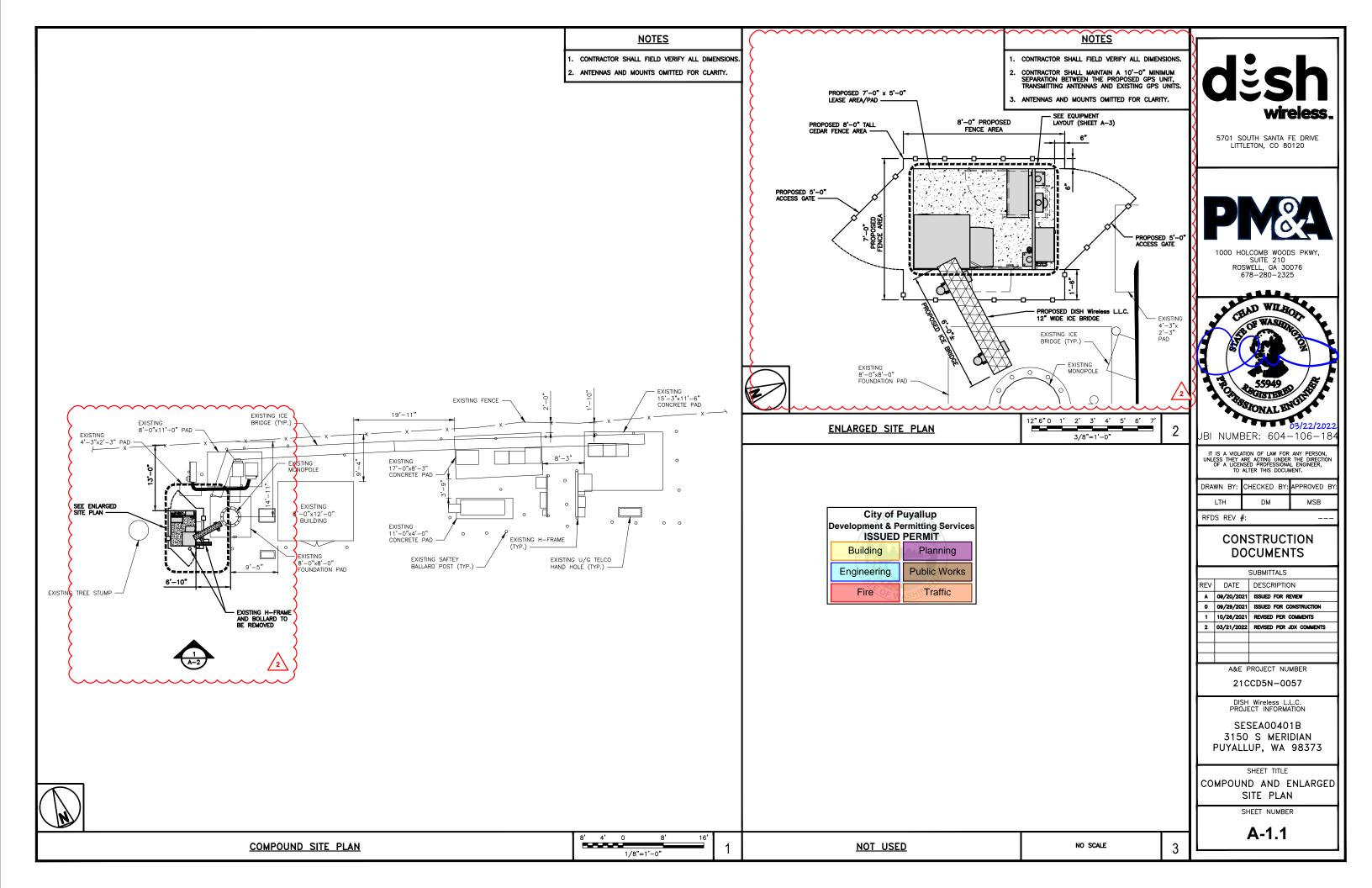
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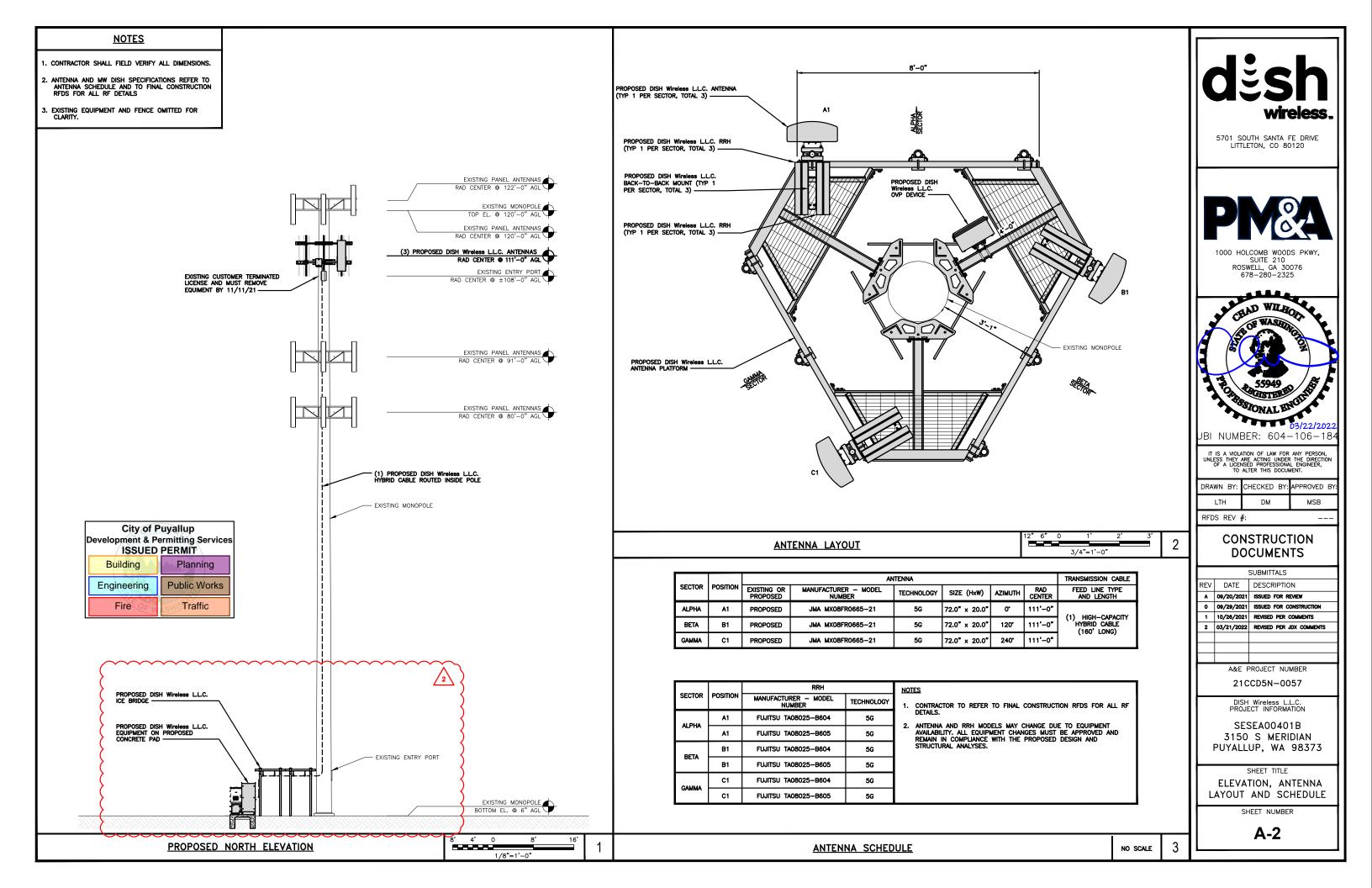


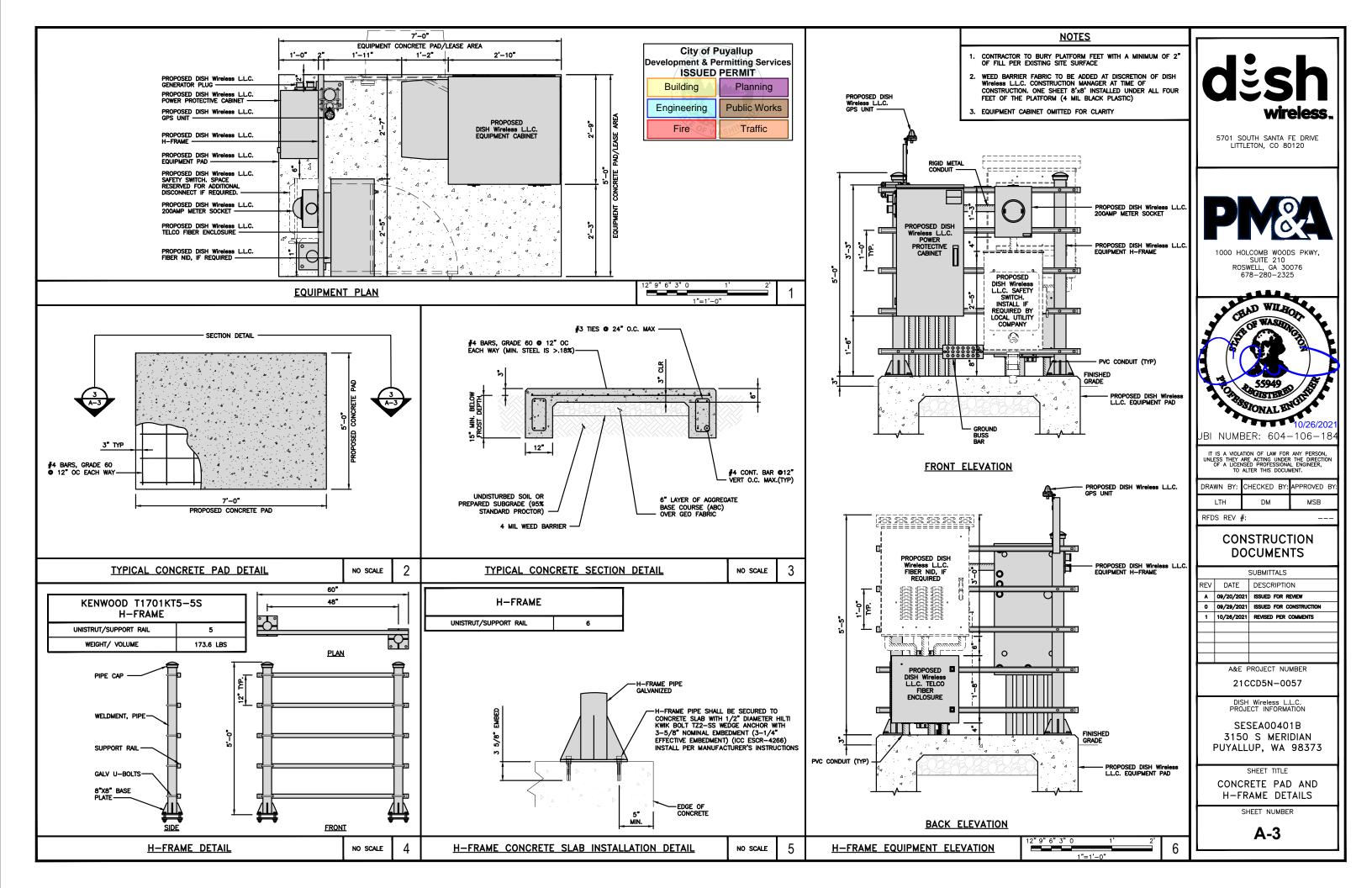


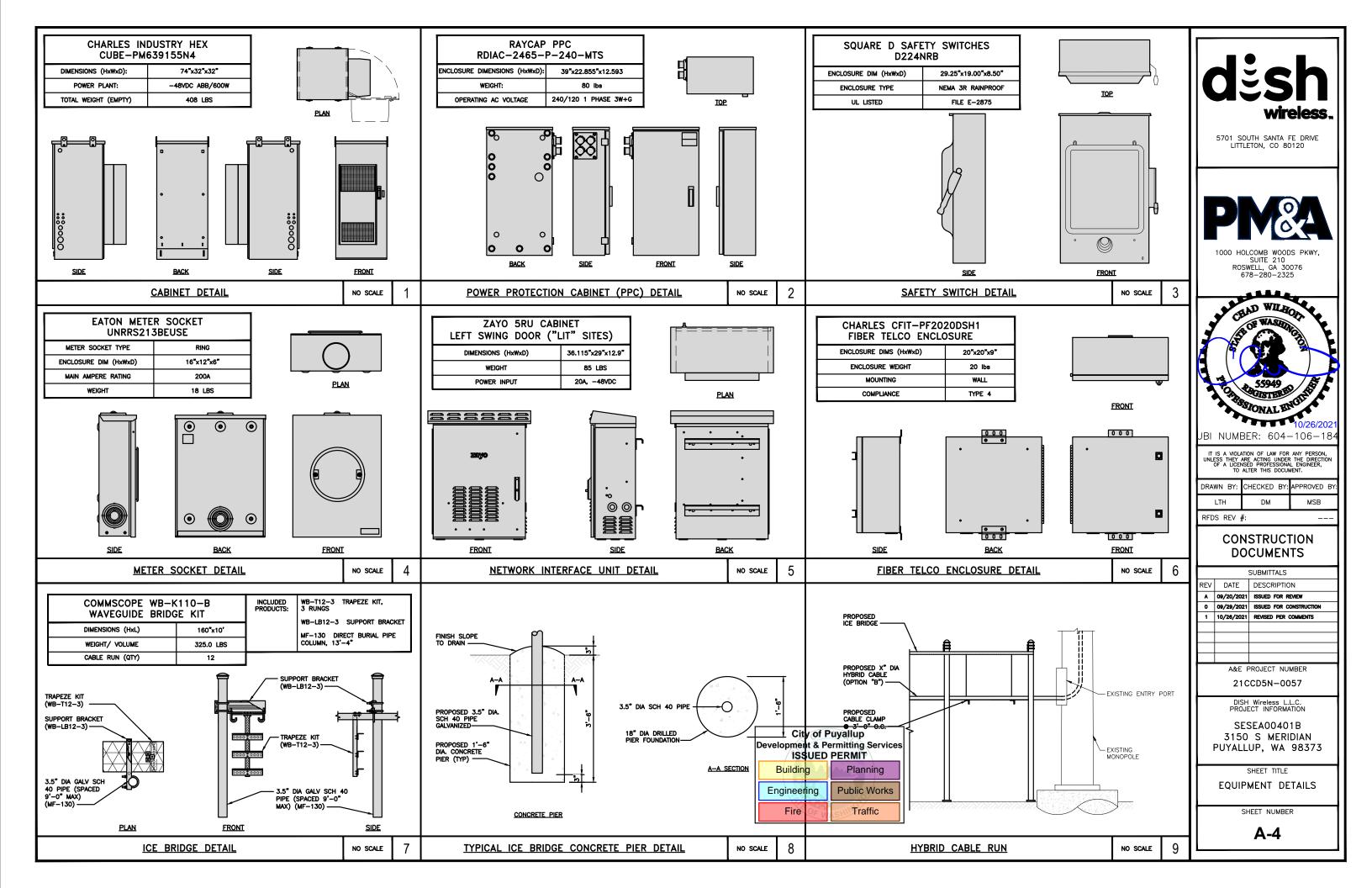


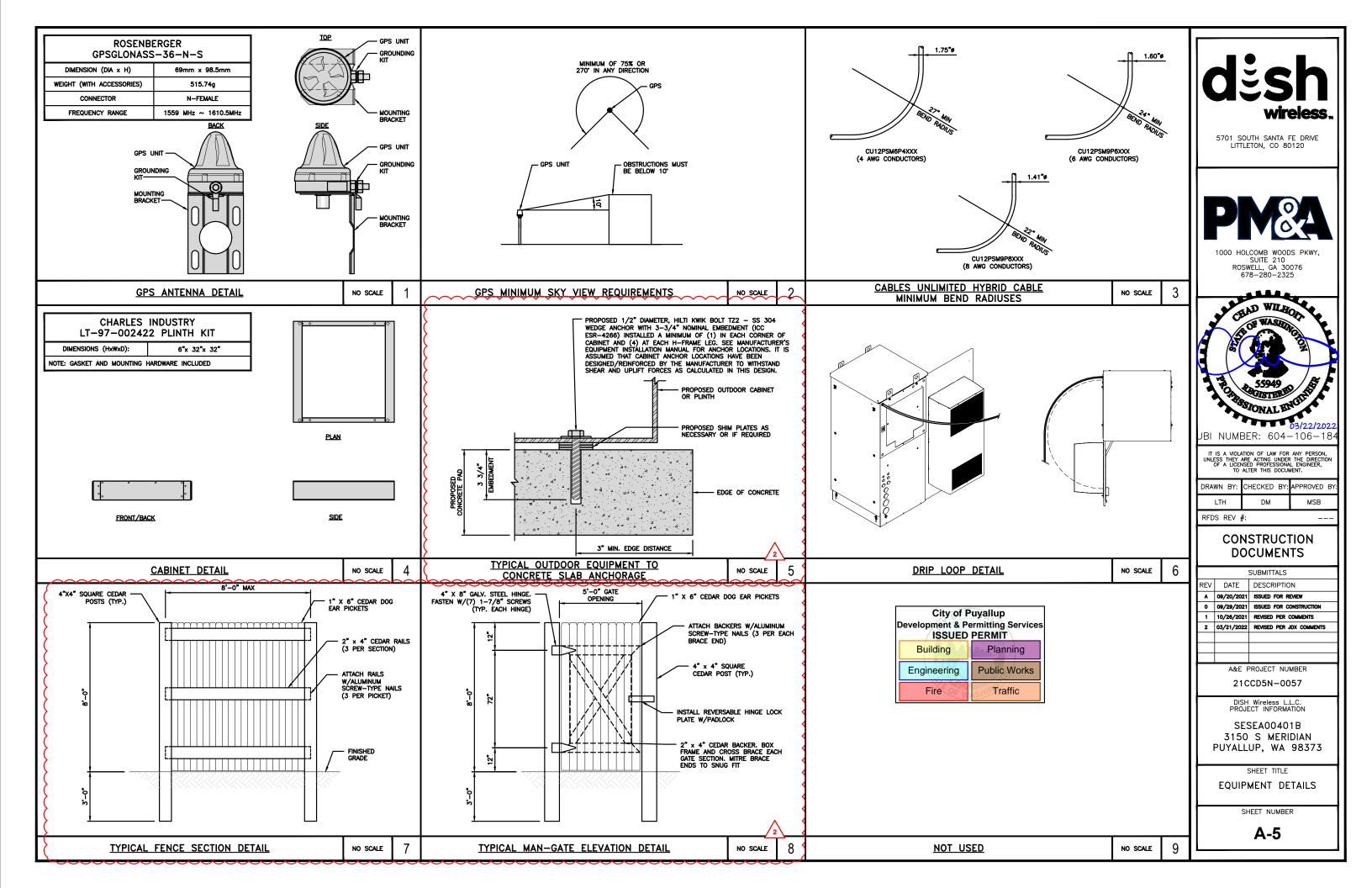


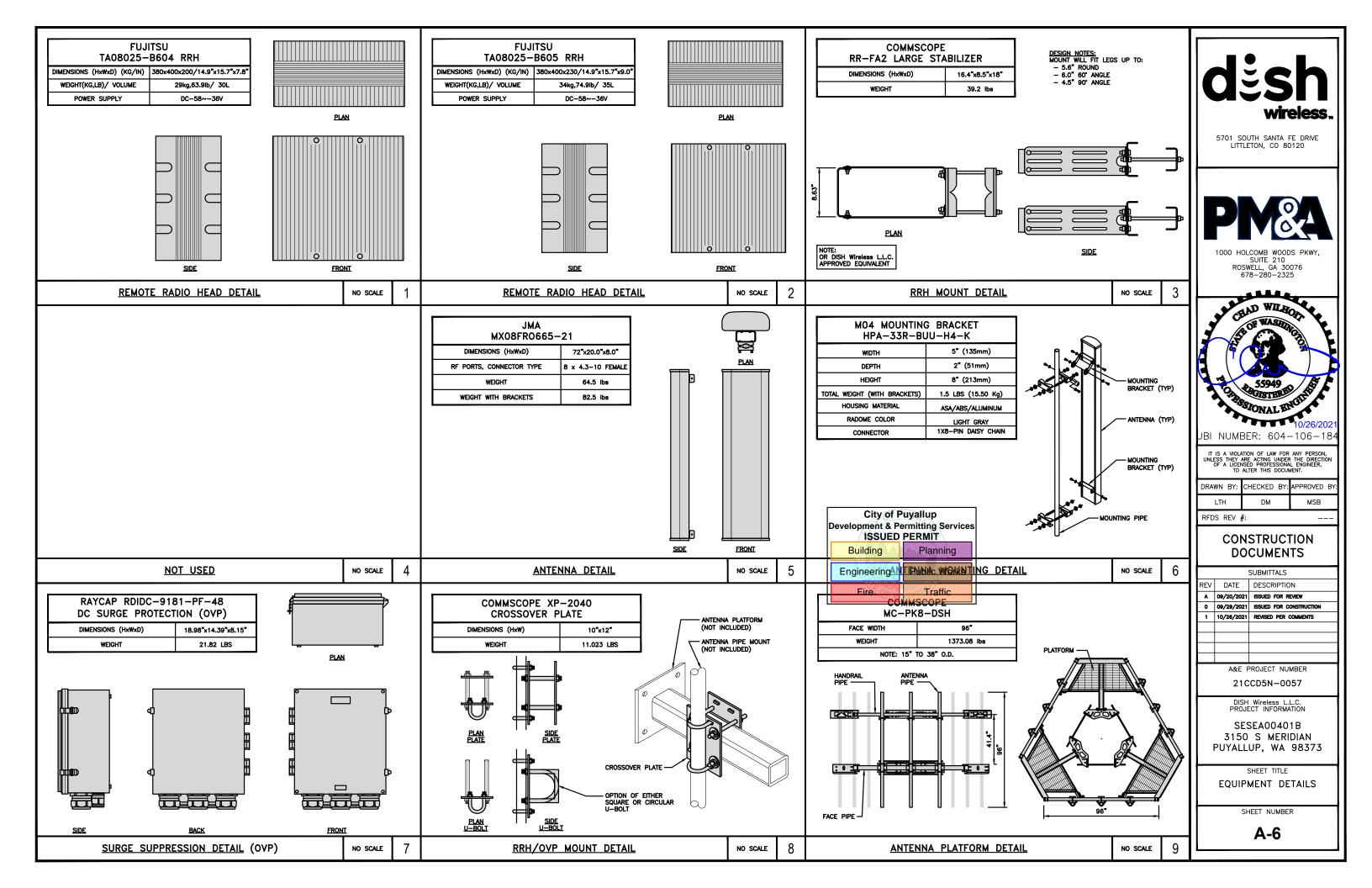












	<u>NOTES</u>	DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHA
<image/>	1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE. 2. ANTENINAS AND MOUNTS OWITTED FOR CLARITY. 3. DUE TO UTILITY EASEMENT RIGHTS SPECIFIED IN THE GROUND LEASE, CUSTOMER MAY INSTALL EQUIPMENT WITHIN SPECIFIED UTILITY EASEMENT AREA. PWR AND TBR PATH DEPICTED ON A-1 AND E-1 REPRESENT PLANNED ROUTING BASED ON BEST AVAILABLE INFORMATION INCLUDING BUT NOT LIMITED TO A SURVEY, EXHIBITS, METES AND BOUNDS OF THE UTILITY EASEMENT, FIELD VERIFICATION, PRIOR PROJECT DOCUMENTATION AND OTHER REAL PROPERTY RIGHTS DOCUMENTS. WHEN INSTALLING THE UTILITIES PLEASE LOCATE AND FOLLOW EXISTING PATH. IF EXISTING PATH IS MATERIALLY INCONSISTENT WITH THE "PWR AND TBR PATH DEPICTED ON A-1 AND E-1 AND SAID VARIANCE IS NOT NOTED ON CDS, PLEASE NOTIFY CROWN CASTLE REAL ESTATE AS FURTHER COORDINATION MAY BE NEEDED. WER CONDUIT TO EXISTING "-0"±). SEE NOTE 3 FIBER CONDUIT TO EXISTING FIBER CONDUIT TO MEET ME 282'-0"±). SEE NOTE 3	C POWER WIRING SHALL BE COLOR CODED AT EACH END FOR RED MARKINGS SHALL DENTIFY +244 AND BLUE MARKINGS SHA URING THE BID PERIOD IN REGARDS TO THE CONTRACTORS FO OTHER ISSUE RELATED TO THIS PROJECT SHALL BE REQUERT U MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS B 2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH O STATE AND LOCAL CODES, LWS, AND DOMINANCES, PROVIDE AL REQUIRED TO MEET NEC STANDARDS. 3. LOCATION OF EQUIPMENT, CONTULT AND DEVICES SHOWN ON TH COORDINATED WITH FILE DECONTIONS PROR TO CONSTRUCTION. 4. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CR 3. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CR 4. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CR 5. CONTRACTOR SHALL BE IN ACCORDANCE WITH MALE CHARN VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR IN ALL CONDU- 1. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SI 4. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDE 1. NOTALLING SHALL BE IN ACCORDANCE WITH MALE CHARN VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR IN ALL CONDU- THE COUPMENT GROUNDING CONDUCTOR IN ALL CONDUCT 1. DISCONNECTS SHALL BE IN ACCORDANCE WITH MALE DEVICES 3. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDE 1. PAKEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLEC 1. ALL NEW MATERIAL SHALL HAVE A ULL LABEL 11. PAKEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLEC 12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PAKEL SCH 13. ALL TRENCHES IN COMPOUND TO BE HAND DUG 14. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PAKEL SCH 14. LINEW MATERIAL SHALL HAVE A ULL LABEL 14. TRENCHES IN COMPOUND TO BE HAND DUG 15. ALL TRENCHES IN COMPOUND TO BE HAND DUG 15. ALL TRENCHES IN COMPOUND TO BE HAND DUG 14. SE REQUIRED FOR INSTALLATION OF ALL UTITION 14. SE REQUIRED FOR INSTALLATION OF ALL UTITION 14. SE REQUIRED FOR INSTALLATION OF ALL UTITION DESCREPTION OF EASEMENTS NOT PROVID WIRELESS LLC. SHALL BE RESPONSIBLE FOR AS-BUILT PAKE 15. FUEL CONDITIONS FOR DEVICE UTITIONS FOR THE PAKE 15. FUEL CONCENT ON THE AND ROLE OF INTERCEMENT OF TH
UTILITY ROUTE PLAN		ELECTRICAL NOTES
	3/16"=1'-0"	

D FOR IDENTIFYING +24V AND -48V CONDUCTORS. IS SHALL IDENTIFY -48V.

RIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING R°S FUNCTIONS, THE SCOPE OF WORK, OR ANY IGHT UP DURING THE BID PERIOD WITH THE PROJECT HAS BEEN AWARDED.

WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL IDE ALL COMPONENTS AND WIRING SIZES AS

ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE

ECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. ND COMPLY AS REQUIRED.

ND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.

BOXES AS REQUIRED BY THE NEC ARTICLE 314.

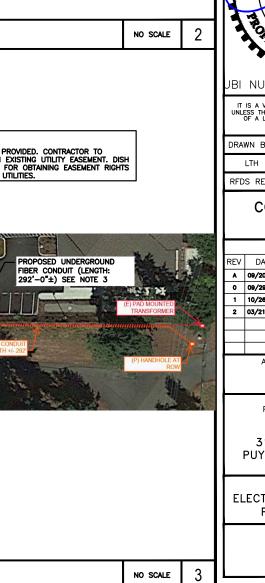
BLE SUPPORTS FOR ALL CABLE ASSEMBLIES. IRER'S SPECIFICATIONS AND RECOMMENDATIONS.

PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES STALLED ON, AND PANEL FIELD LOCATIONS FED FROM.

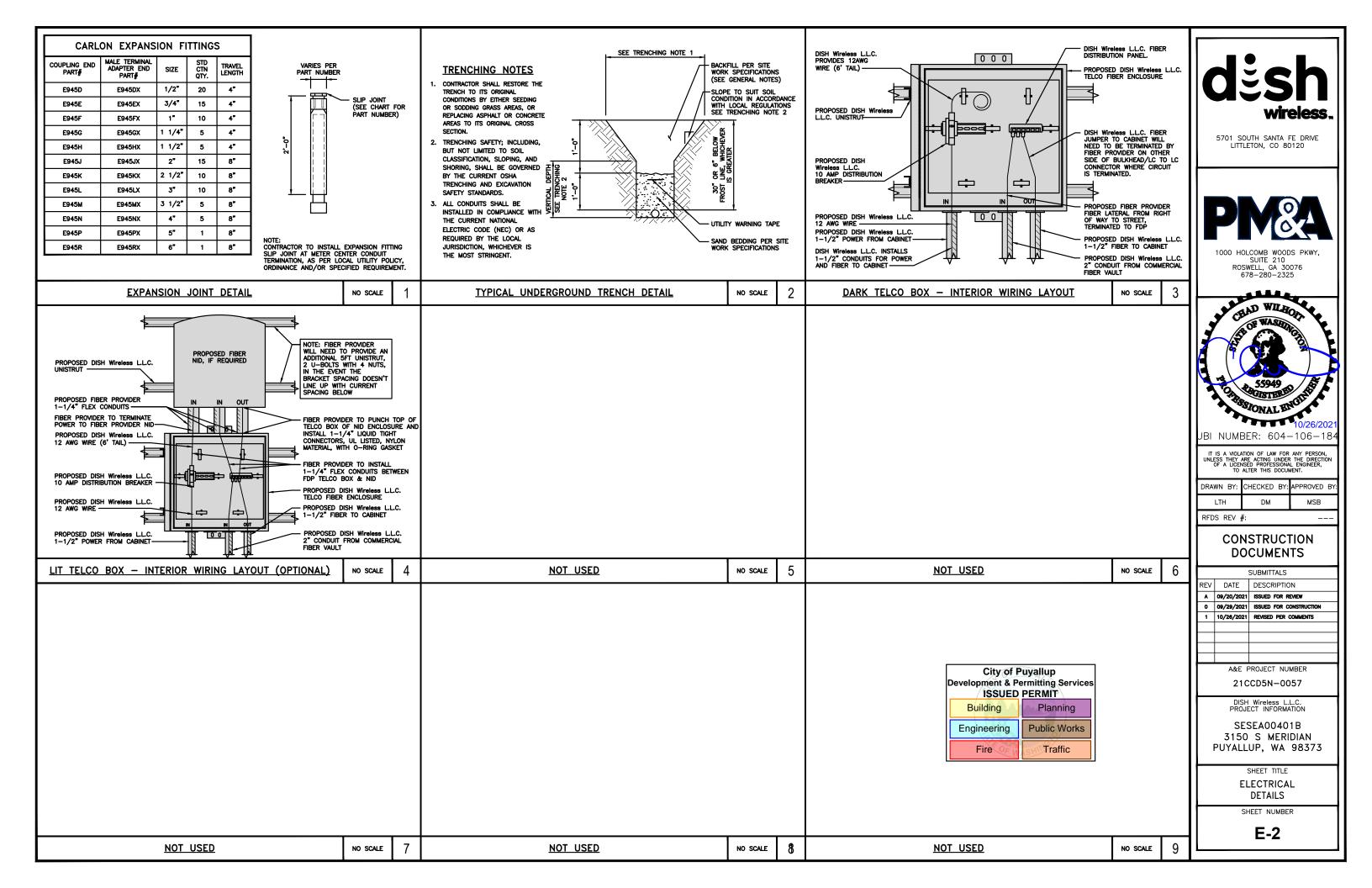
CONDUITS PER THE SPECIFICATIONS AND NEC 250. DED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL

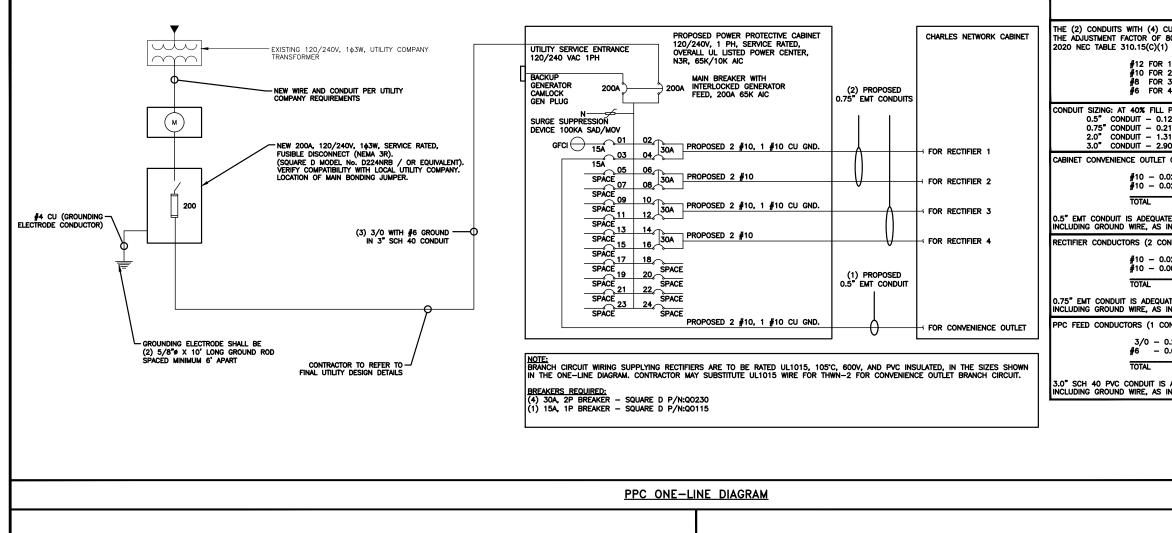
REFLECT POST-CONSTRUCTION EQUIPMENT.

EL SCHEDULE AND SITE DRAWINGS.







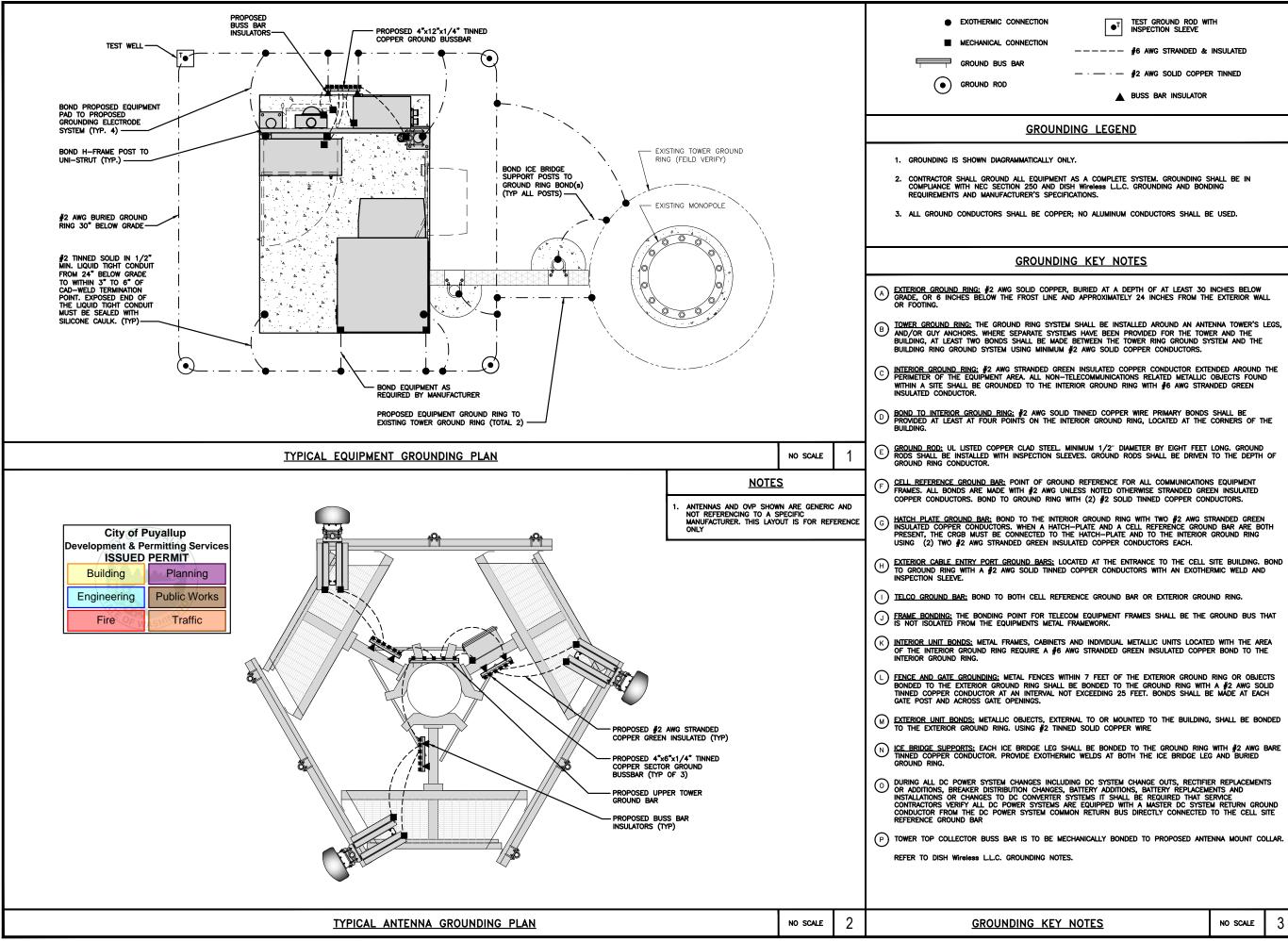


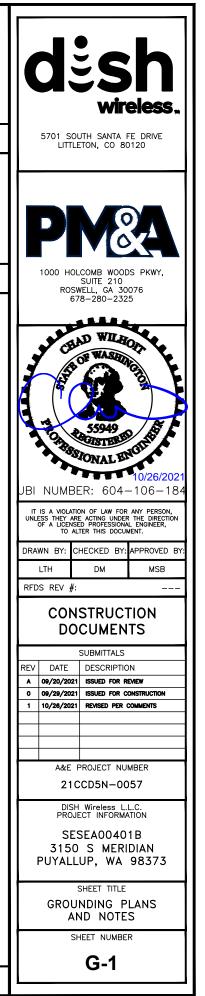
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	L1	L2								L1	L2	
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-SPACE-				5	Σ	A	<u>۲</u>	6	30A	2880		ABB/GE INFINITY
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VOLTAGE AMPS	180	180								11520	11520	
200A MCB, 1¢, 24 SPACE, 120/240V L1 L2												
MB RATING: 65,000 AIC			1170	0	1	170	0	VO	LTAGE AM	PS		
			98 98				AMPS					
			98					MAX AMPS				
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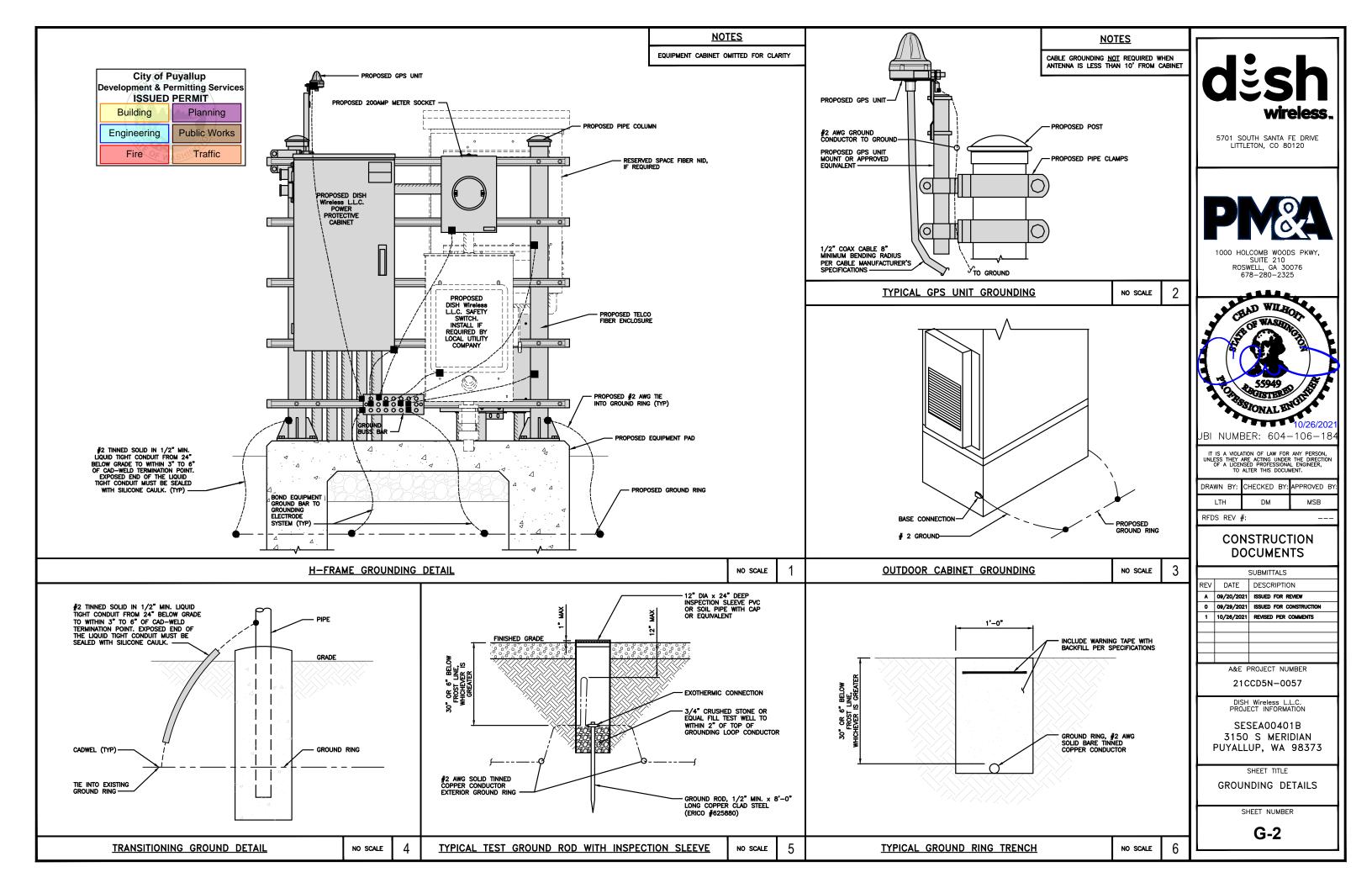
	Puyallup ermitting Services PERMIT
Building	Planning
Engineering	Public Works
Fire	Traffic

PANEL SCHEDULE	NO SCALE	2	NOT_USED
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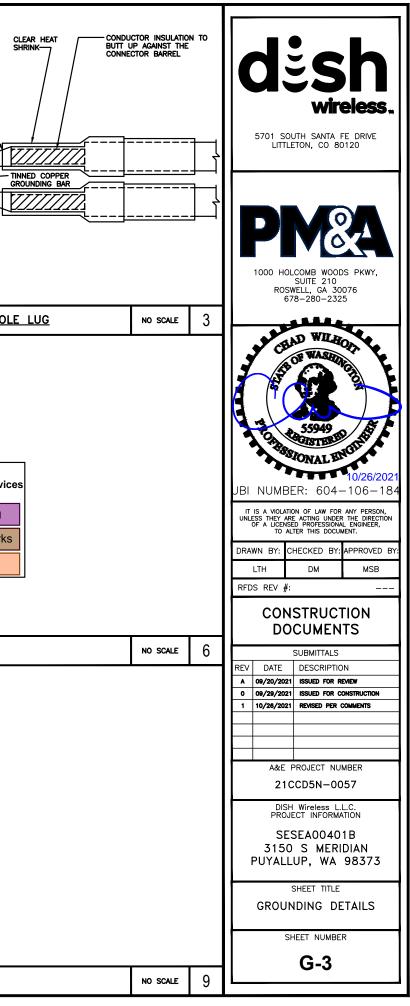
<u>NOTES</u>						
CURRENT CARRYING CONDUCTORS 80% PER 2014/17 NEC TABLE 3 1) FOR UL1015 WIRE.						
15A-20A/1P BREAKER: 0.8 × 3 25A-30A/2P BREAKER: 0.8 × 4 35A-40A/2P BREAKER: 0.8 × 5 45A-60A/2P BREAKER: 0.8 × 7	10A = 32.0A 55A = 44.0A				ž S	eless.
PER NEC CHAPTER 9, TABLE 4, 122 SQ. IN AREA 213 SQ. IN AREA 316 SQ. IN AREA 907 SQ. IN AREA	ARTICLE 358.		57		DUTH SANTA LETON, CO 8	FE DRIVE
t conductors (1 conduit): Usi	NG THWN—2, CU.	,				
0.0211 SQ. IN X 2 = 0.0422 SQ. 0.0211 SQ. IN X 1 = 0.0211 SQ. = 0.0633 SQ.	. IN <ground< td=""><td></td><td></td><td></td><td></td><td></td></ground<>					
ATE TO HANDLE THE TOTAL OF (3 INDICATED ABOVE.) WIRES,				M	
ONDUITS): USING UL1015, CU.	15.1					
0.0266 SQ. IN X 4 = 0.1064 SQ. 0.0082 SQ. IN X 1 = 0.0082 SQ. = 0.1146 SQ.	. IN <bare grou<="" td=""><td>JND</td><td>10</td><td>ROS</td><td>DLCOMB WOO SUITE 210 SWELL, GA 3 578-280-23</td><td>0076</td></bare>	JND	10	ROS	DLCOMB WOO SUITE 210 SWELL, GA 3 578-280-23	0076
JATE TO HANDLE THE TOTAL OF (INDICATED ABOVE. CONDUIT): USING THWN, CU.	5) WIRES,					.
0.2679 SQ. IN X 3 = 0.8037 S				CE	ND WILL	IOIT.
0.0507 SQ. IN X 1 = 0.0507 SQ $= 0.8544 SG$			1		OF WASH	AGI 🖡
S ADEQUATE TO HANDLE THE TOT/ INDICATED ABOVE.						Î.
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	, ,					10/26/2021 -106-184
	NO SCALE	1	IT IS		TION OF LAW FO	
				то	ALTER THIS DOCU	JMENT.
			DRAWN LTI		CHECKED BY	: APPROVED BY: MSB
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						: INE, FAULT SCHEDULE
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			1		Г 2	
					F = 5	
	NO SCALE	3			E-3	







 EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO C BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHER WELD. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFAC AN ANTI-OXIDANT COMPOUND BEFORE MATING. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COI BEFORE MATING. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND COI DOWN TO GROUNDING BUS. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND B THE BACK SIDE. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AND REQUIRED. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHIR SUPPLIED ADDITIONS AND ADDITIONAL GROUND BAR AND B THE BACK SIDE. 	LARGER. ES WITH MPOUND NDUCTOR OLTED ON CTOR. AS		TOOTHED EXTERIOR TWO-HOLE SHRINK IV / BUTT	JCTOR INSULATIO UP AGAINST THE ECTOR BARREL		EXTERNAL INSPECTION WINDOW IN BARREL, REQUIRED FOR ALL INTERIOR TWO-HOLE CONNECTORS S/S LOCK WASHER S/S FLAT S/S FLAT S/S FLAT S/S BOLT (1 OF 2) 1/16" MINIMUM SPACING
TYPICAL GROUNDING NOTES	NO SCALE	1	TYPICAL EXTERIOR TWO HOLE LUG	NO SCALE	2	TYPICAL INTERIOR TWO HOLE
2 HOLE LONG BARREL TINNED SOLID COPPER	WASHER (TYP) WASHER (TYP)					City of Puyallup Development & Permitting Service ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic
LUG DETAIL	NO SCALE	4	NOT_USED	NO SCALE	5	NOT USED
NOT USED	NO SCALE	7	NOT_USED	NO SCALE	8	<u>NOT_USED</u>
		-		-		•



RF JUMPER COLOR CODING		3/4" TAPE WIDTHS WITH 3/4" SPA	CING				
LOW-BAND RRH – (600MHz N71 BASEBAND) + (850MHz N26 BAND) + (700MHz N29 BAND) – OPTIONAL PER MARKET	+ SLANT - SLANT + SLANT -	BETA RRH PORT 1 PORT 2 PORT 3 + SLANT - SLANT + SLANT RED BLUE BLUE BLUE	- SLANT + SLANT -	CAMMA RRH DRT 2 PORT 3 PORT 4 SLANT + SLANT - SLANT IREEN GREEN GREEN		LOW BANDS (N71+N26) OPTIONAL - (N29) ORANGE	
ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BANDS)	WHITE () PORT ORANGE OR	/HITE		RANGE GREEN GREEN WHITE) PORT ORANGE ORANGE (-) PORT		CBRS TECH (3 GHz) YELLOW	
MID–BAND RRH – (AWS BANDS N66+N70)		RED BLUE BLUE BLUE RED PURPLE PURPLE BLUE		REEN GREEN GREEN		ALPHA SECTOR	beta se Blui
ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BANDS)		HITE I	PURPLE (-)	WHITE PURPLE PURPLE) PORT WHITE (-) PORT		COLOR IDENTIFIER	
HYBRID/DISCREET CABLES	EXAMPLE 1 EXAMPLE 2	EXAMPLE 3					
INCLUDE SECTOR BANDS BEING SUPPORTED	RED RED BLUE	RED					
ALONG WITH FREQUENCY BANDS EXAMPLE 1 – HYBRID, OR DISCREET, SUPPORTS ALL SECTORS, BOTH LOW-BANDS AND MID-BANDS	GREEN GREEN	ORANGE PURPLE					ity of F
EXAMPLE 2 – HYBRID, OR DISCREET, SUPPORTS CBRS ONLY, ALL SECTORS	ORANGE YELLOW PURPLE					Developme	
FIBER JUMPERS TO RRHs	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH	HIGH BAND RRH		Buildi	
LOW-BAND RRH FIBER CABLES HAVE SECTOR STRIPE ONLY	RED RED PURPLE	BLUE BLUE PURPLE	GREEN	GREEN PURPLE		Fire	
POWER CABLES TO RRHs	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH	HIGH BAND RRH			
LOW-BAND RRH POWER CABLES HAVE SECTOR STRIPE ONLY	RED RED	BLUE BLUE	GREEN	GREEN			
	PURPLE	PURPLE	GREEN	PURPLE		<u>NOT_USED</u>	
RET MOTORS AT ANTENNAS	ANTENNA 1 ANTENNA 1 LOW BAND/ "IN" RED RED PURPLE	ANTENNA 1 ANTENNA 1 LOW BAND/ HIGH BAND/ "IN" BLUE BLUE PURPLE	ANTENNA 1 LOW BAND/ H "IN" GREEN	ANTENNA 1 HIGH BAND/ "IN" GREEN PURPLE			
		FORWARD AZIMUTH OF 120-240 DEGREES	FORWARD AZIMUTH OF				
LINKS WILL HAVE A 1.5-2 INCH WHITE WRAP WITH THE AZIMUTH COLOR OVERLAPPING IN THE MIDDLE. ADD ADDITIONAL SECTOR COLOR BANDS FOR EACH ADDITIONAL MW RADIO.	PRIMARY SECONDARY	PRIMARY SECONDARY	PRIMARY WHITE	SECONDARY			
MICROWAVE CABLES WILL REQUIRE P-TOUCH LABELS INSIDE THE CABINET TO IDENTIFY THE LOCAL AND REMOTE SITE ID'S	RED RED WHITE WHITE RED WHITE	BLUE BLUE WHITE WHITE BLUE BLUE WHITE WHITE	GREEN WHITE	GREEN WHITE GREEN WHITE			
					I		

AWS (N66+N70+H-BLOCK) PURPLE NEGATIVE SLANT PORT ON ANT/RRH WHITE	_	dissipation of the second seco
ECTOR GAMMA SECTOR		1000 HOLCOMB WOODS PKWY, SUITE 210 ROSWELL, GA 30076
NO SCALE	2	678-280-2325
Puyallup Permitting Services PERMIT Planning Public Works Traffic		DRAWN BY: CHECKED BY: APPROVED BY: LTH DM MSB RFDS REV #:
NO SCALE	3	SUBMITTALS
		REV DATE DESCRIPTION A 09/20/2021 ISSUED FOR REVIEW 0 09/20/2021 ISSUED FOR CONSTRUCTION 1 10/26/2021 REVISED FOR CONSTRUCTION A&E PROJECT NUMBER 21CCD5N-0057 DISH Wireless LLC. PROJECT INFORMATION SESEA00401B 3150 3150 S SHEET TITLE RF CABLE COLOR SHEET NUMBER RF-1
NO SCALE	4	

EXCITENTIAL And	EXCIDENTIAL CONNECTION #AC RECENTAL CONNECTION #AC BUSS BAR INSULATOR #AC CHEMICAL ELECTROLYTIC GROUNDING SYSTEM #C GROUNDING BAR #AC GROUNDING BAR #AC GROUNDING BAR #AC GROUNDING BAR #AC GROUND ROD WITH INSPECTION SLEEVE #E UPLEX RECEPTACLE #AC #AC DUPLEX RECEPTACLE #F #AC SINGLE POLE SWITCH #BC #AC SINGLE FOLE SWITCH #BC #C SUBCE DETECTION (DC) #BC #C COMPUTATION FENCE #C #C FLUDRESCENT LIGHTING (DC) #C #C CHAIN LINK FENCE #C #C PROFERTY LINE (PL) #C #C UNDERGROUND FOWER #W W W UNDERGROUND FOWER #W W W UNDERGROUND FOWER #AF			40
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BUDS BAR INSULATION AFG CHENICAL LECTROLYTIC GROUNDING SYSTEM T EXTCHEMICAL ELECTROLYTIC GROUNDING SYSTEM T CROUNDING BAR T GROUNDING BAR T SINGLE POLE SWITCH S DUPLEX FRECEPTACLE T FLUGRESCENT LIGHTING FXTURE F C(2) TWO LIMPS 48-TB S SINGLE DETECTION (DC) SB SECURTY LIGHT W/PHOTOCELL LITHONIA ALXW CCL LED-1-25M400/51K-SR-120-PE-DBETKD CCL VBOD/WROUND FENCE C WOOD/WROUND FENCE C WOOD/WROUND FENCE C VBOD/WROUND FOWER USP UOP UOP UOP UOP VALL STRUCTURE SSTBACKS UNDERGROUND FOWER USP UOP UOP UOP UOP UNDERGROUND FOWER USP UOP UOP UOP UNDERGROUND FOWER USP UOP UOP UNDERGROUND FOWER UST/P AGE UST/P UNDERGROUND TELCO UST/P UNDERG	BUSS BWX INSULATOR Image: Constraint of the constrain	MECHANICAL CONNECTION	•	
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LEST OFENIALE ELECTION SLEEVE EXOTHERMIC WITH INSPECTION SLEEVE EXOTIE SWITCH UPLEX RECEPTACLE EXOTE EXOTOR FILL E EXOTE EXOTIC EXOTIC E EXOTE EXOTIC EXOTIC E EXOTE EXOTIC EXOTIC E EXOTIE EXOTIE EXOTIE E EXOTIE	ILSI CHARLA ELEURO IN GRUNDING SISTEM AC GRUNDING BAR ALM GRUNDING BAR ALM GRUNDING BAR AT GRUNDING BAR AT GRUNDING BAR AT GRUNDING BAR AT GRUNDING DAR AT GRUNDING DAR AT GRUNDING DAR AT GRUNDING DAR AT SINGLE POLE SWITCH AC DUPLEX RECEPTACLE AR FLUORESCENT LIGHTING FIXTURE F CUDRESCENT LIGHTING FIXTURE F CLUORESCENT LIGHTING FIXTURE F CHAIN LINK FENCE CA WOOD/WROUGHT IRON FENCE CO CHAIN LINK FENCE CO WOOD/WROUGHT IRON FENCE CO CHAIN LINK FENCE CO WALL STRUCTURE CO CALIN LINK FENCE CO WOOD/WROUGHT IRON FENCE CO CABLE TRAY CA CABLE T	CHEMICAL ELECTROLYTIC GROUNDING SYSTEM	•	
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GROUND ROD Image: Construct and the second and the	GROUND ROD III APPRO TEST GROUND ROD WITH INSPECTION SLEEVE IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	GROUNDING BAR		
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DUPLEX GFCI RECEPTACLE Image: Construct of the construction of the construct	DUPLEX GFCI RECEPTACLE Image: Construct of the construction of the construct	DUPLEX RECEPTACLE	$\bigoplus_{i=1}^{n}$	BLK
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SMOKE DETECTION (DC) Image: Construction of the second	SMOKE DETECTION (DC) Image: Construction of the construction		[] F]	BOF
EMERGENCY LIGHTING (DC) Image: Comparison of the compari	EMERGENCY LIGHTING (DC) Image: Construction of the const	SMOKE DETECTION (DC)	SD	СНС
SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW COL LED-1-25A400/51K-SR4-120-PE-DDBTXD COMS CHAIN LINK FENCE	SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW COL CHAIN LINK FENCE X X X X COMM WOOD/WROUGHT IRON FENCE	EMERCENCY LIGHTING (DC)		
LED-1-25A400/51K-SR4-120-PE-DDBTXD CONC CHAIN LINK FENCE	LED-1-25A400/51K-SR4-120-PE-DDBTXD CONC CHAIN LINK FENCE			COL
ONDAL LINK TENCE	CIDEN LINK TENCE			CONC
WOOD/WROUGHT IRON FENCE	WOOD/WROUGHT IRON FENCE	CHAIN LINK FENCE	x x x x	
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LEASE AREA	LEASE AREA DIA PROPERTY LINE (PL) DIA SETBACKS DIM ICE BRIDGE DIA CABLE TRAY DIA WATER LINE WW UNDERGROUND POWER UGP UNDERGROUND POWER UGP UNDERGROUND TELCO UGT OVERHEAD POWER UGT/P UNDERGROUND TELCO OHP OVERHEAD TELCO OHF UNDERGROUND TELCO OHF UNDERGROUND TELCO OHF OVERHEAD TELCO OHF UNDERGROUND TELCO/POWER UGT/P UNDERGROUND TELCO/POWER AGP AGP AGP AGP AGF AGT AGT AGT	WALL STRUCTURE		
PROPERTIT LINE (PL) DIM SETBACKS	PROPERTY LINE (PC) DIM SETBACKS DWG ICE BRIDGE DWL CABLE TRAY EA WATER LINE WW W W W W UNDERGROUND POWER UGP UGP UGP UGP UGP UGP UNDERGROUND TELCO UGT UGT UGT UGT UGT UGT UGT OVERHEAD POWER OHP OHP OHP OHP OVERHEAD TELCO OHT OHT OHT OHT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P UGT/P ABOVE GROUND TELCO/POWER AGP AGP AGP AGP AGP AGP ABOVE GROUND TELCO/POWER AGT AGT AGT AGT AGT AGT AGT FG ABOVE GROUND TELCO/POWER FG ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P AGT/P FIN WORKPOINT W.P. FDN SECTION REFERENCE X X X FOX DETAIL REFERENCE X X X X	LEASE AREA		
SETBACKS DWG ICE BRIDGE INAC CABLE TRAY EA WATER LINE W W W W W W W UNDERGROUND POWER UGP UGP UGP UGP UGP UGP UNDERGROUND TELCO UGT UGT UGT UGT UGT UGT UGT OVERHEAD POWER OHP OHP OHP OHP OVERHEAD TELCO OHT OHT OHT OHT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P UGT/P ABOVE GROUND TELCO OHT AGP AGP AGP AGP AGP ABOVE GROUND TELCO AGT AGT AGT AGT AGT FG ABOVE GROUND TELCO W.P. FDN SECTION REFERENCE XX	SETBACKS	PROPERTY LINE (PL)		
INDERGROUND FOWER WATER LINE WATER WARK WARK EL UNDERGROUND POWER UGP UGP UGP UGP UGP UGP UGP ENG OVERHEAD POWER UGT UGT UGT UGT UGT EXP OVERHEAD TELCO OHP OHP OHP OHP OHP EXP OVERHEAD TELCO OHT OHT OHT OHT EXP OVERHEAD TELCO/POWER UGT/P UGT/P UGT/P EXP ABOVE GROUND TELCO/POWER AGP AGP AGP AGT FG ABOVE GROUND TELCO/POWER AGT AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT AGT AGT AGT FI BOVE GROUND TELCO/POWER AGT AGT AGT AGT FI SECTION REFERENCE W.P. FON FON FON FON	INDECTION REFERENCE EXTRACT X X X X X X X X X X X X X X X X X X X	SETBACKS		
CABLE TRAY	CABLE TRAY EC WATER LINE	ICE BRIDGE		
water line	water line w w w w w w w w w w w w w w EL UNDERGROUND POWER UGP UGP UGP UGP UGP EMT UNDERGROUND TELCO UGT UGT UGT UGT UGT ENG OVERHEAD POWER OHP OHP OHP OHP OHP EXP OVERHEAD TELCO OHT OHT OHT OHT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P EXP ABOVE GROUND TELCO AGP AGP AGP FF ABOVE GROUND TELCO AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT/P AGT AGT FI VORKPOINT W.P. FO FO FO FO SECTION REFERENCE XX XX XX FO FO DETAIL REFERENCE YX XX YX FO FO FOW FS FOW FS FOW FS	CABLE TRAY		
UNDERGROUND POWER UGP UGP UGP UGP UGP UGP UGP UGP UGP EMT UNDERGROUND TELCO UGT UGT UGT UGT UGT UGT ENG OVERHEAD POWER 0HP 0HP 0HP 0HP 0HP 0HP EXT UNDERGROUND TELCO 0HT 0HT 0HT 0HT 0HT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P UGT/P FAB ABOVE GROUND POWER AGP AGP AGP AGT FG ABOVE GROUND TELCO AGT AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P FIN WORKPOINT W.P. FDN FDN FON SECTION REFERENCE XX XX FOS FOS	UNDERGROUND POWER UGP UGP UGP UGP UGP UGP UGP EMT UNDERGROUND TELCO UGT UGT UGT UGT UGT UGT EQ OVERHEAD POWER 0HP 0HP 0HP 0HP 0HP EXP OVERHEAD TELCO 0HT 0HT 0HT 0HT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P EW ABOVE GROUND POWER AGP AGP AGP AGT ABOVE GROUND TELCO AGT AGT AGT AGT ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P FIN WORKPOINT W.P. FON FOC SECTION REFERENCE XX XX XX FON DETAIL REFERENCE XX XX FON FON	WATER LINE	w w w w	
UNDERGROUND TELCO — UGT — UGT — UGT — UGT — UGT — UGT — ENG OVERHEAD POWER — 0HP — 0HP — 0HP — 0HP — EQ OVERHEAD TELCO — 0HT — 0HT — 0HT — 0HT — EXT UNDERGROUND TELCO/POWER — UGT/P — UGT/P — UGT/P — UGT/P — EXT ABOVE GROUND TELCO — AGP — AGP — AGP — AGP — AGP — FF ABOVE GROUND TELCO/POWER — AGT — AGT — AGT — AGT — FIF ABOVE GROUND TELCO/POWER — AGT/P — AGT/P — AGT/P — FIN SECTION REFERENCE — XX — VP. FOO	UNDERGROUND TELCO UGT UGT UGT UGT UGT UGT UGT ENG OVERHEAD POWER OHP OHP OHP OHP OHP OHP EXP OVERHEAD TELCO OHT OHT OHT OHT OHT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P UGT/P EXT ABOVE GROUND POWER AGP AGP AGP AGP FF ABOVE GROUND TELCO AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT/P AGT FI FG ABOVE GROUND TELCO/POWER AGT/P AGT AGT FI ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P FIN VORKPOINT WORKPOINT W.P. FON FOC SECTION REFERENCE XX XX X-X FOW FOW DETAIL REFERENCE XX X-X FOW FS FOW	UNDERGROUND POWER	UGP UGP UGP UGP	
OVERHEAD POWER OHP OHP OHP OHP OHP OVERHEAD TELCO OHT OHT OHT OHT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P UGT/P EXT ABOVE GROUND POWER AGP AGP AGP AGP FF ABOVE GROUND TELCO AGT AGT AGT AGT ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P FIN VORKPOINT W.P. FDN FOC SECTION REFERENCE XX XX FOC	OVERHEAD POWER OHP OHP OHP OHP OHP OHP OVERHEAD TELCO OHT OHT OHT OHT OHT OHT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P UGT/P UGT/P EW ABOVE GROUND TELCO AGP AGP AGP AGP FF ABOVE GROUND TELCO/POWER AGT AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P FI BOVE GROUND TELCO/POWER AGT/P AGT/P FI FI BOVE GROUND TELCO/POWER GT/P GT/P FI FI BOVE GROUND TELCO/POWER<	UNDERGROUND TELCO	UGT UGT UGT UGT	
OVERHEAD TELCO OHT OHT OHT OHT OHT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P EW FAB ABOVE GROUND POWER	OVERHEAD TELCO OHT OHT OHT OHT OHT EXT UNDERGROUND TELCO/POWER UGT/P UGT/P UGT/P FAB ABOVE GROUND POWER AGP AGP AGP FF ABOVE GROUND TELCO	OVERHEAD POWER	OHP OHP OHP	
UNDERGROUND TELCO/POWEROGI/POGI/POGI/POGI/P ABOVE GROUND POWERAGPAGPAGPAGPAGPAGPAGF ABOVE GROUND TELCOAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGT AGTAGTAGTAGT AGT	UNDERGROUND TELCO/POWER $0GI/P$ $0GI/P$ $0GI/P$ $0GI/P$ $0GI/P$ GI/P FAB ABOVE GROUND POWER AGP AGP AGP AGP FF ABOVE GROUND TELCO AGT AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P FIF VORKPOINT $W.P.$ FIR FOR SECTION REFERENCE XX XX Y DETAIL REFERENCE XX $X \times X$ FOW FS FS FS FS	OVERHEAD TELCO	онт онт онт	
ABOVE GROUND POWER — AGP — AGT	ABOVE GROUND POWER AGP AGP AGP AGP FF ABOVE GROUND TELCO AGT AGT AGT AGT FG ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P FIN WORKPOINT W.P. FON FOC SECTION REFERENCE XX XX FOS DETAIL REFERENCE XX XX FOW			
ABOVE GROUND TELCO — AGT — AGT — AGT — AGT — AGT — FG ABOVE GROUND TELCO/POWER — AGT/P — AGT/P — AGT/P — FIF WORKPOINT W.P. FDN SECTION REFERENCE XX XX	ABOVE GROUND TELCO — AGT — AGT — AGT — AGT — AGT — FG ABOVE GROUND TELCO/POWER — AGT/P — AGT/P — AGT/P — AGT/P — FIF WORKPOINT W.P. FDN SECTION REFERENCE XX FOC DETAIL REFERENCE XX XX FOW FS			
ABOVE GROUND TELCO/POWER — AGT/P — AGT/P — AGT/P — AGT/P — FIN WORKPOINT W.P. FDN SECTION REFERENCE W.P. FOO FOO FOO FOO	ABOVE GROUND TELCO/POWER AGT/P AGT/P AGT/P AGT/P Fin WORKPOINT W.P. FDN FOC SECTION REFERENCE XX FOC FOM DETAIL REFERENCE XX XX FOW			FG
WORKPOINT SECTION REFERENCE SECTION REFERENCE W.P. W.P. FDN FOC FOC FOC FOC FOC FOC	WORKPOINT SECTION REFERENCE DETAIL REFERENCE W.P. W.P. FDN FOC FOM FOS FOW FS			
SECTION REFERENCE	WORKPOINT W.P. FDN SECTION REFERENCE XX FOC DETAIL REFERENCE XX FOS FOW FS		רעיןיי העיקי — אפוןיד	
SECTION REFERENCE FOM FOS	SECTION REFERENCE FOM DETAIL REFERENCE FOW FOS FOW FS	WURKPUINI	W.P.	FDN
	DETAIL REFERENCE FOW FS	SECTION REFERENCE		FOM
Fow Fow		DETAIL REFERENCE		FOW
FT FTG				GA
FTG				GEN
FTG GA GEN	GA GEN			GLB
FTG GA GEN GFCI	GA GEN GFCI			GLV
FTG GA GEN GFCI GLB GLY	GA GEN GFCI GLB GLV			GPS GND
FTG GA GEN GFCI GLB GLV GPS	GA GEN GFCI GLB GLV GPS			GND
FTG GA GEN GFCI GLB GLV GPS GND	GA GEN GFCI GLB GLV GPS GND			HDG
FTG GA GEN GFCI GLV GPS GND GSM HDG	GA GEN GFCI GLB GLV GPS GND GSM HDG			HDR
FTG GA GEN GFCI GLD GLV GPS GPS GND GSM HDG HDR	GA GEN GFC1 GLU GLV GPS GND GSM HDG HDR			HGR
FTG GA GEN GFCI GLB GLV GPS GND GSM HDG HDR HDR	GA GEN GFC1 GLU GLV GPS GND GSM HDG HDR HGR			нт
FTG GA GEN GCCI GLB GLV GPS GND GSM HDG HDR HDR HDR	GA GEN GFC1 GLV GPS GND GSM HDG HDG HDR HDR HCR			IGR

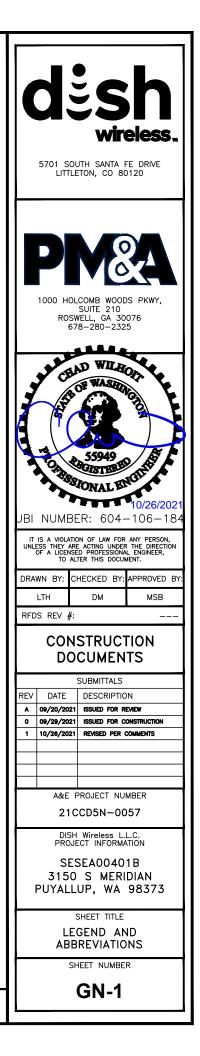
<u>LEGEND</u>

	ANCHOR BOLT	IN	1
	ABOVE	INT	I
		LB(S)	F
•	ADDITIONAL ABOVE FINISHED FLOOR	lf LTE	L
	ABOVE FINISHED GRADE	MAS	N
	ABOVE GROUND LEVEL	MAX	N
	AMPERAGE INTERRUPTION CAPACITY ALUMINUM	MB	N
•	ALTERNATE	MECH	N
	ANTENNA	MGB	N
юx	APPROXIMATE	MIN	N
ł	ARCHITECTURAL	MISC	N
	AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE	MTL MTS	N
	BATTERY	MW	N
	BUILDING	NEC	N
	BLOCK	NM	N
,	BLOCKING BEAM	NO.	1
	BARE TINNED COPPER CONDUCTOR	# NTS	N
	BOTTOM OF FOOTING	oc	c
	CABINET	OSHA	C
	CANTILEVERED CHARGING	OPNG	C
	CEILING	P/C PCS	F
	CLEAR	PCU	F
	COLUMN	PRC	F
M C	COMMON CONCRETE	PP	F
STR	CONSTRUCTION	PSF	F
	DOUBLE	PSI PT	F
	DIRECT CURRENT	PWR	F
	DEPARTMENT DOUGLAS FIR	QTY	Ç
	DIAMETER	RAD	F
	DIAGONAL	RECT	F
	DIMENSION	REINF	F
	DRAWING DOWEL	REQ'D	F
	EACH	RET	F
	ELECTRICAL CONDUCTOR	RF RMC	F
	ELEVATION	RRH	F
	ELECTRICAL ELECTRICAL METALLIC TUBING	RRU	F
	ENGINEER	RWY	F
	EQUAL	SCH SHT	5
	EXPANSION	SIAD	5
	EXTERIOR EACH WAY	SIM	S
	FABRICATION	SPEC	S
	FINISH FLOOR	SQ SS	S
	FINISH GRADE	STD	s
	FACILITY INTERFACE FRAME FINISH(ED)	STL	S
	FLOOR	TEMP	1
	FOUNDATION	thk Tma	1
	FACE OF CONCRETE	TN	1
	FACE OF MASONRY FACE OF STUD	TOA	1
	FACE OF WALL	TOC	1
	FINISH SURFACE	tof Top	1
	FOOT	TOS	1
	FOOTING GAUGE	TOW	1
	GENERATOR	TVSS	1
	GROUND FAULT CIRCUIT INTERRUPTER	TYP	1
	GLUE LAMINATED BEAM	UG UL	ι ι
	GALVANIZED GLOBAL POSITIONING SYSTEM	UNO	ι
	GLOBAL POSITIONING STSTEM GROUND	UMTS	ι
	GLOBAL SYSTEM FOR MOBILE	UPS	ι
	HOT DIPPED GALVANIZED	VIF	۱ ۷
	HEADER	w w/	V
	HANGER HEAT/VENTILATION/AIR CONDITIONING	WD	v
	HEIGHT	WP	V
	INTERIOR GROUND RING	WT	۷
			_

	INCH	
	INTERIOR	
)	POUND(S)	
	LINEAR FEET	
	LONG TERM EVOLUTION MASONRY	
	MAXIMUM	
	MACHINE BOLT	
H	MECHANICAL	
	MANUFACTURER MASTER GROUND BAR	
	MINIMUM	
:	MISCELLANEOUS	
	METAL	
	MANUAL TRANSFER SWITCH	
	MICROWAVE NATIONAL ELECTRIC CODE	
	NEWTON METERS	
	NUMBER	
	NUMBER	
	NOT TO SCALE	
4	ON-CENTER OCCUPATIONAL SAFETY AND HEALTH ADMINISTR	RATION
G	OPENING	U.I.O.V
	PRECAST CONCRETE	
	PERSONAL COMMUNICATION SERVICES	
	PRIMARY CONTROL UNIT	
	PRIMARY RADIO CABINET POLARIZING PRESERVING	
	POUNDS PER SQUARE FOOT	
	POUNDS PER SQUARE INCH	
	PRESSURE TREATED	
	POWER CABINET	
	QUANTITY RADIUS	
г	RECTIFIER	
	REFERENCE	
F	REINFORCEMENT	
D	REQUIRED REMOTE ELECTRIC TILT	
	RADIO FREQUENCY	
	RIGID METALLIC CONDUIT	
	REMOTE RADIO HEAD	
	REMOTE RADIO UNIT RACEWAY	
	SCHEDULE	
	SHEET	
	SMART INTEGRATED ACCESS DEVICE	
	SIMILAR	
2	SPECIFICATION SQUARE	_
	STAINLESS STEEL	Develop
	STANDARD	
_	STEEL	Bui
•	TEMPORARY THICKNESS	Engir
	TOWER MOUNTED AMPLIFIER	
	TOE NAIL	F
	TOP OF ANTENNA	
	TOP OF CURB TOP OF FOUNDATION	
	TOP OF PLATE (PARAPET)	
	TOP OF STEEL	
	TOP OF WALL	
;	TRANSIENT VOLTAGE SURGE SUPPRESSION	
	TYPICAL UNDERGROUND	
	UNDERWRITERS LABORATORY	
	UNLESS NOTED OTHERWISE	
5	UNIVERSAL MOBILE TELECOMMUNICATIONS SYS	
	UNITERRUPTIBLE POWER SYSTEM (DC POWER	PLANT)
	VERIFIED IN FIELD WIDE	
	WITH	
	WOOD	
	WEATHERPROOF	
	WEIGHT	

ABBREVIATIONS

City of Puyallup Development & Permitting Ser ISSUED PERMIT				
Building	Plannin			
Engineering	Public Wo			
Fire	Traffic			





SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED - NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH Wireless L.L.C. AND TOWER OWNER NOC & THE DISH Wireless L.L.C. AND TOWER OWNER CONSTRUCTION MANAGER.

2. "LOOK UP" - DISH Wireless L.L.C. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH Wireless L.L.C. AND DISH Wireless L.L.C. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.

4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH WIRELESS L.L.C. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).

5. ALL SITE WORK TO COMPLY WITH DISH Wireless L.L.C. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH Wireless L.L.C. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."

6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH Wireless L.L.C. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.

7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.

10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.

11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.

12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH WIRELS LL.C. AND TOWER OWNER, AND/OR LOCAL UTILITIES.

14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.

15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.

16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.

17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.

18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

CARRIER:DISH Wireless L.L.C.

TOWER OWNER: TOWER OWNER

2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.

3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.

4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.

5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.

6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.

7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.

11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.

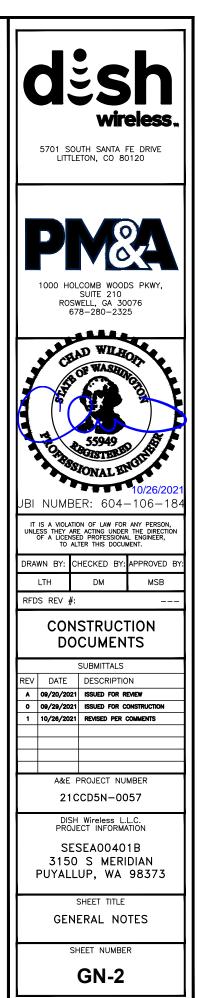
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF DISH Wireless L.L.C. AND TOWER OWNER

13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

City of Puyallup Development & Permitting Servi ISSUED PERMIT			
Building	Planning		
Engineering	Public Work		
Fire	Traffic		





CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.

UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.

ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS (THE CONCRETE HAS BEEN 3. DESIGNED BASED ON 2500 PSI), UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90'F AT TIME OF PLACEMENT

CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.

ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:

#4 BARS AND SMALLER 40 ksi

#5 BARS AND LARGER 60 ksi

THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
- · CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER 2"
- #5 BARS AND SMALLER 1-1/2"
- · CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
- SLAB AND WALLS 3/4"
- BEAMS AND COLUMNS 1-1/2"

A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE. UNLESS NOTED OTHERWISE. 7 IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.

CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.

WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC. 3.

ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.

4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.

ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT 4.2. CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.

EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.

ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE 6. CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).

PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS. 7.

TIE WRAPS ARE NOT ALLOWED

ALL POWER AND FOUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) a WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS 11 OTHERWISE SPECIFIED.

POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).

RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS. 16.

17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.

LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION 18. OCCURS OR FLEXIBILITY IS NEEDED.

CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET 19. SCREW FITTINGS ARE NOT ACCEPTABLE.

CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE 20. NEC.

21 WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).

22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).

23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.

EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET 24. STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.

METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR 25. EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED 26. NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

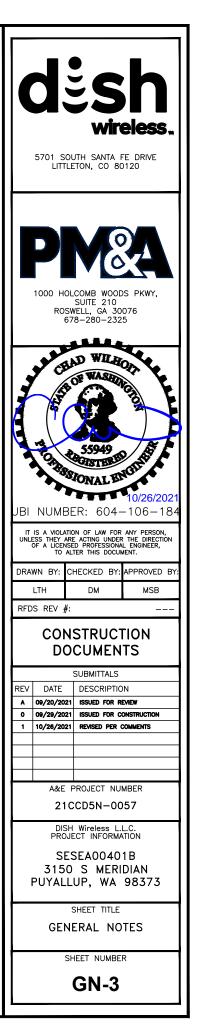
THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH Wireless L.L.C. AND 27 TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE 28. WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.

29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH Wireless L.L.C.".

30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

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GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.

2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.

4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.

6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.

7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.

8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.

9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.

11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.

13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.

14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.

15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.

17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.

19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).

21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.

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