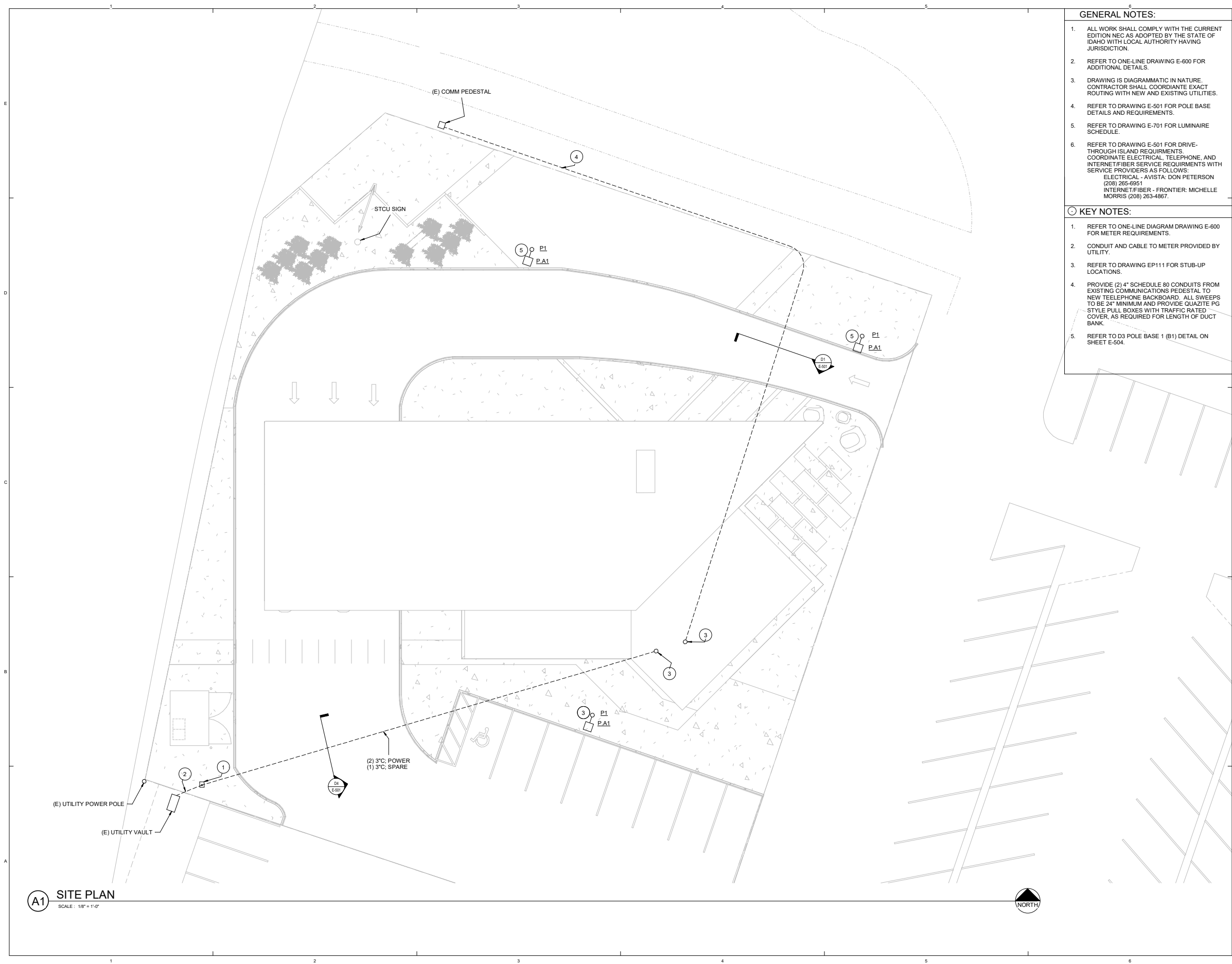




- GENERAL NOTES:
1.

ALL WORK SHALL COMPLY WITH THE CURRENT EDITION NEC AS ADOPTED BY THE STATE OF IDAHO WITH LOCAL AUTHORITY HAVING JURISDICTION.
2.

REFER TO ONE-LINE DRAWING E-600 FOR ADDITIONAL DETAILS.
3.

DRAWING IS DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL COORDINATE EXACT ROUTING WITH NEW AND EXISTING UTILITIES.
4.

REFER TO DRAWING E-501 FOR POLE BASE DETAILS AND REQUIREMENTS.
5.

REFER TO DRAWING E-701 FOR LUMINAIRE SCHEDULE.
6.

REFER TO DRAWING E-501 FOR DRIVE-THROUGH ISLAND REQUIREMENTS. COORDINATE ELECTRICAL, TELEPHONE, AND INTERNET/FIBER SERVICE REQUIREMENTS WITH SERVICE PROVIDERS AS FOLLOWS:
ELECTRICAL - AVISTA: DON PETERSON (208) 265-6951
INTERNET/FIBER - FRONTIER: MICHELLE MORRIS (208) 263-4867.
- KEY NOTES:
1.

REFER TO ONE-LINE DIAGRAM DRAWING E-600 FOR METER REQUIREMENTS.
2.

CONDUIT AND CABLE TO METER PROVIDED BY UTILITY.
3.

REFER TO DRAWING EP111 FOR STUB-UP LOCATIONS.
4.

PROVIDE (2) 4" SCHEDULE 80 CONDUITS FROM EXISTING COMMUNICATIONS PEDESTAL TO NEW TELEPHONE BACKBOARD. ALL SWEEPS TO BE 24" MINIMUM AND PROVIDE QUARTZITE PG STYLE PULL BOXES WITH TRAFFIC RATED COVER, AS REQUIRED FOR LENGTH OF DUCT BANK.
5.

REFER TO D3 POLE BASE 1 (B1) DETAIL ON SHEET E-504.

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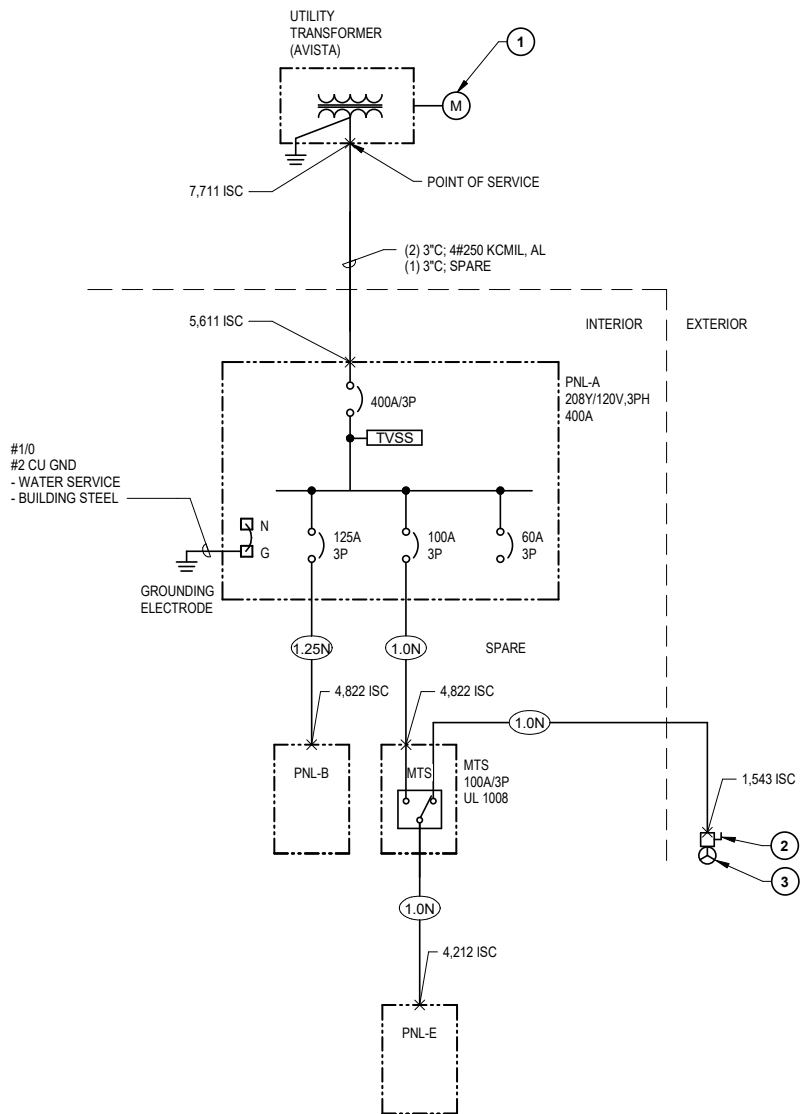
REV	DATE	DESCRIPTION

PROJ. NO. 182300
DRAWN LLK
CHECKED MBV
DATE 10/18/2018
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ELECTRICAL SITE PLAN

E-101

SHEET OF



B5 ONE-LINE DIAGRAM1
SCALE : N.T.S

COPPER FEEDER SCHEDULE						
AMPACITY (AMPS)	SYMBOL ID.	WIRE(3-PHASE) WITH NEUTRAL	CONDUIT	SYMBOL ID.	WIRE (3-PHASE) WITHOUT NEUTRAL	CONDUIT
20	.2N	4#12, 1#12G	3/4"	.2	3#12, 1#12G	3/4"
30	.3N	4#10, 1#10G	3/4"	.3	3#10, 1#10G	3/4"
40	.4N	4#8, 1#10G	1"	.4	3#8, 1#10G	1"
50	.5N	4#6, 1#10G	1"	.5	3#6, 1#10G	1"
60	.6N	4#4, 1#10G	1 - 1/2"	.6	3#4, 1#10G	1"
70	.7N	4#4, 1#8G	1 - 1/2"	.7	3#4, 1#8G	1"
80	.8N	4#3, 1#8G	1 - 1/2"	.8	3#3, 1#8G	1 - 1/2"
90	.9N	4#2, #8G	1 - 1/2"	.9	3#2, 1#8G	1 - 1/2"
100	1.0N	4#1, 1#8G	1 - 1/2"	1.0	3#1, 1#8G	1 - 1/2"
125	1.25N	4#1, 1#6G	1 - 1/2"	1.25	3#1, 1#6G	1 - 1/2"
150	1.5N	4#1/0, 1#6G	2"	1.5	3#1/0, 1#6G	1 - 1/2"
175	1.75N	4#2/0, 1#6G	2"	1.75	3#2/0, 1#6G	1 - 1/2"
200	2.0N	4#3/0, 1#6G	2"	2.0	3#3/0, 1#6G	2"
225	2.25N	4#4/0, 1#4G	2 - 1/2"	2.25	3#4/0, 1#4G	2"
250	2.5N	4#250KCM, 1#4G	2 - 1/2"	2.5	3#250KCM, 1#4G	2 - 1/2"
300	3.0N	4#350KCM, 1#4G	3"	3.0	3#350KCM, 1#4G	2 - 1/2"
350	3.5N	4#500KCM, 1#3G	4"	3.5	3#500KCM, 1#3G	3"
400	4.0N	2 SETS 4#3/0, 1#3G	2 - 2"	4.0	2 SETS 3#3/0, 1#3G	2 - 2"
450	4.5N	2 SETS 4#4/0, 1#2G	2 - 2 1/2"	4.5	2 SETS 3#4/0, 1#2G	2 - 2"
500	5.0N	2 SETS 4#250KCM, 1#2G	2 - 3"	5.0	2 SETS 3#250KCM, 1#2G	2 - 2 1/2"
600	6.0N	2 SETS 4#350KCM, 1#1G	2 - 3"	6.0	2 SETS 3#350KCM, 1#1G	2 - 2 1/2"
700	7.0N	2 SETS 4#500KCM, 1#1/0G	2 - 4"	7.0	2 SETS 3#500KCM, 1#1/0G	2 - 3"
800	8.0N	3 SETS 4#300KCM, 1#1/0G	3 - 3"	8.0	3 SETS 3#300KCM, 1#1/0G	3 - 3"
1000	10N	3 SETS 4#400KCM, 1#2/0G	3 - 3"	10	3 SETS 3#400KCM, 1#2/0G	3 - 3"
1200	12N	4 SETS 4#350KCM, 1#3/0G	4 - 3"	12	4 SETS 3#350KCM, 1#3/0G	4 - 2 1/2"
1600	16N	4 SETS 4#600KCM, 1#4/0G	4 - 4"	16	4 SETS 3#600KCM, 1#4/0G	4 - 4"
2000	20N	5 SETS 4#600KCM, 1#250KCM G	5 - 4"	20	5 SETS 3#600KCM, 1#250KCM G	5 - 4"
2500	25N	6 SETS 4#600KCM, 1#350KCM G	6 - 4"	25	6 SETS 4#600KCM, 1#350KCM G	6 - 4"
SPECIAL						
AMPACITY (AMPS)	SYMBOL ID.	WIRE(1-Phase) WITH NEUTRAL	CONDUIT	NOTES		
80	.8B	4#3, 1#6G	1 - 1/2"	EGC SIZED PER UPSTREAM OCPD PER 250.122(G)		
100	1.0A	4#1, 1#6G	1 - 1/2"	SUPPLY SIDE BONDING JUMPER PER 250.102(C)(1)		
100	1.0B	4#1, 1#6G	1 - 1/2"	EGC SIZED PER UPSTREAM OCPD PER 250.122(G)		
600	6.0A	2 SETS 4#350KCM, 1#2/0G	2 - 3"	SUPPLY SIDE BONDING JUMPER PER 250.102(C)(1)		

GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NEC AS ADOPTED BY THE STATE OF IDAHO WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
- REFER TO DRAWING E-702 FOR PANEL SCHEDULES AND BRANCH CIRCUIT REQUIREMENTS FOR PNL-A, PNL-B, AND PNL-E.

KEY NOTES:

- CONTRACTOR TO INSTALL PEDESTAL AND METER BASE PER AVISTA REQUIREMENTS.
- PROVIDE HEAVY DUTY, FUSED, NEMA 3R, 200V, 3P, 100A SERVICE ENTRANCE RATED SAFETY SWITCH. REFER TO DRAWING EP111 FOR LOCATIONS.
- PROVIDE POWERITTE, 100A, 4W, 4P, NEMA 3R, PIN AND SLEEVE RECEPTACLE OR EQUAL FOR PORTABLE GENERATOR TO CONNECTION. MOUNT RECEPTACLE TO SAFETY SWITCH. REFER TO DRAWING EP111 FOR LOCATION.

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ONE-LINE
DIAGRAM

E-600

SHEET OF

LUMINAIRE SCHEDULE											
TYPE	MANUFACTURER	CATALOG NUMBER	MAX WATTS	SOURCE/ MIN LUMENS	TEMPERATURE/ CRI	DRIVER	VOLT	MOUNTING	FINISH	LOCATION	DESCRIPTION
PA1	LITHONIA LIGHTING	DSX1 LED-P2-30K-T3M-MVOLT-SPA-BL30-HS-*	70	LED 6500 LUMENS	3000K 80 CRI MIN	LED DRIVER	UNV 120-277	POLE	*	PARKING	EXTERIOR POLE MOUNTED LUMINAIRE BI-LEVEL SWITCHED DIMMING * COORDINATE WITH ARCHITECTURAL FINISHES FOR FINISH COLOR.

P1	LITHONIA LIGHTING	RSA-5253-DM19	-	-	-	-	-	POLE	*	PARKING	20" 5" DIA ROUND STRAIGHT ALUMINUM POLE PROVIDE (1) AT 90 DEG DRILL PATTERN.

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[illegible]

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LIGHTING SCHEDULES

E-701