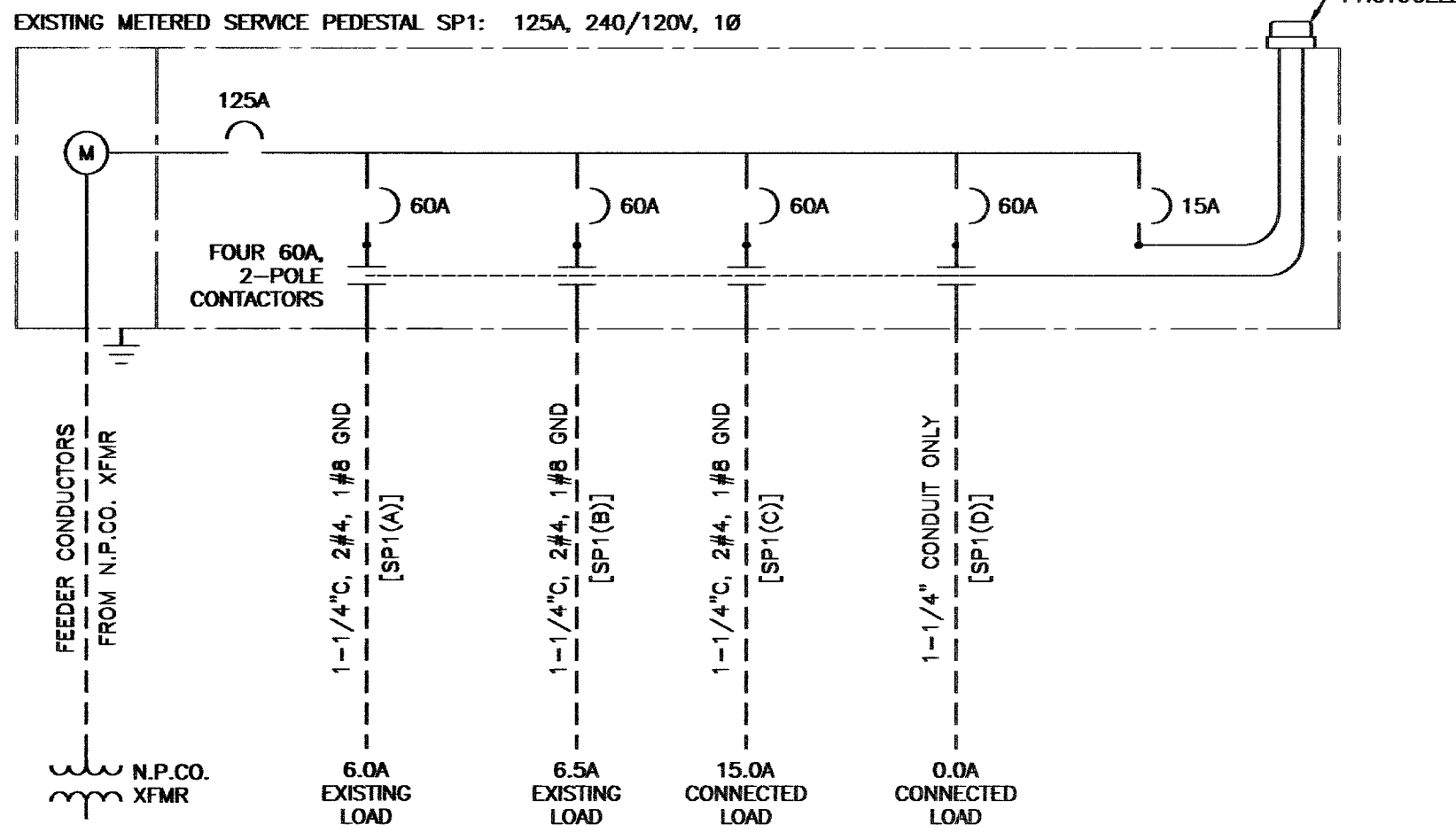




1. THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2002 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1) FPN No. 4.

LEGEND:

STREETLIGHTING CONDUIT
PROPOSED
EXISTING
FUTURE

TRAFFIC SIGNAL CONDUIT
PROPOSED
EXISTING
FUTURE

INTERCONNECT CONDUIT
PROPOSED
EXISTING
FUTURE

SCHOOL FLASHER CONDUIT
PROPOSED
EXISTING
FUTURE

STREET LIGHT
PROPOSED
EXISTING
FUTURE

STREET LIGHT WITH TRAFFIC SIGNAL
PROPOSED
EXISTING
FUTURE

#3-1/2 PULLBOX, MARKED "STREET LIGHTING",
UNLESS OTHERWISE NOTED
PROPOSED
EXISTING
FUTURE

#5 PULLBOX, MARKED "TRAFFIC SIGNAL",
UNLESS OTHERWISE NOTED
PROPOSED
EXISTING
FUTURE

#7 PULLBOX, MARKED "TRAFFIC SIGNAL",
UNLESS OTHERWISE NOTED
PROPOSED
EXISTING
FUTURE

SERVICE PEDESTAL
PROPOSED
EXISTING
FUTURE

N.P.C. TRANSFORMER
PROPOSED
EXISTING
FUTURE

TRAFFIC SIGNAL CONTROLLER
PROPOSED
EXISTING
FUTURE

SERVICE PEDESTAL DESIGNATION

CIRCUIT DESIGNATION
N = SERVICE PEDESTAL
X = CIRCUIT

ELECTRICAL CONSTRUCTION NOTES

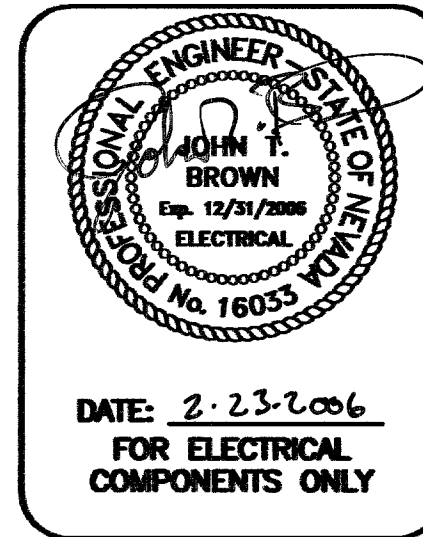
- 1 EXISTING SERVICE PEDESTAL SP1. SEE ELECTRICAL SERVICE NOTES.
- 2 PROPOSED 100W HPS STREETLIGHT ASSEMBLY WITH 23' LUMINAIRE MOUNTING HEIGHT AND 6' MAST ARM LENGTH PER CLIFF'S EDGE MASTER DEVELOPMENT PLAN AND DESIGN GUIDELINES.
- 3 PROPOSED NO. 3-1/2 PULLBOX PER USD 326.
- 4 PROPOSED 1-1/4" CONDUIT CONTAINING 2#4, 1#8 GND [STREETLIGHTING].
- 5 PROPOSED 1-1/4" CONDUIT ONLY [STREETLIGHTING].
- 6 STUB OUT AND CAP 5' BEYOND LIMIT OF CONSTRUCTION.
- 7 REMOVE CAP AND CONNECT TO EXISTING CONDUIT
- 8 EXISTING NEVADA POWER CO. TRANSFORMER
- 9 EXISTING 1-1/4" CONDUIT
- 10 INSTALL 2#4, 1#8 GND [STREETLIGHTING].

ELECTRICAL SERVICE NOTES:

SP1: EXISTING 125 AMP SERVICE PEDESTAL. SEE MERITAGE CORPORATION, NORTHERN TERRACE - UNIT 1 IMPROVEMENTS FOR ADDITIONAL INFORMATION.

GENERAL ELECTRICAL NOTES

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RMC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USD 404.1419 AND USD 501. ABOVE GRADE CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL CONDUIT WHICH WOULD OTHERWISE BE EMPTY SHALL INCLUDE A NYLON PULLSTRING AND 1#8 FOR LOCATING PURPOSES.
2. ALL CONDUCTORS SHALL BE STRANDED, 600-VOLT, TYPE THW INSULATED COPPER.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY HAVING JURISDICTION.
4. POLE, LUMINAIRE AND FIXTURE SHALL CONFORM TO AMERON 68126 (MIX121) WITH AMERON 1AZB6VA SCROLL & ARM ASSEMBLY, 1AZB8VA ALUM ARM ASSEMBLY PER DRAWING #SK083101. AMERON MB006 (5731) POLE, DRAWING #SK054805.



SERVICE PEDESTAL CIRCUIT CAPACITY VERIFICATION

CIRCUIT NAME:	CIRCUIT (A)		CIRCUIT (B)		CIRCUIT (C)		NOT USED	
CIRCUIT TYPE:	STREET LIGHTING (EXISTING)		STREET LIGHTING (EXISTING)		STREET LIGHTING (PROPOSED)		STREET LIGHTING (NOT USED)	
VOLTAGE:	240		240		240		240	
CIRCUIT CAPACITY:	60		60		60		60	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF CIRCUIT CAPACITY:	48		48		48		48	
EXISTING CIRCUIT LOAD AMPS =	6.00		6.50		0.00		0.00	
PROPOSED LOAD TO CIRCUIT:	PROPOSED		PROPOSED		PROPOSED		PROPOSED	
100 WATT SINGLE LUMINAIRES AT 240V = 0.50 AMPS	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS
150 WATT SINGLE LUMINAIRES AT 240V = 0.75 AMPS	0	0.00	0	0.00	0	0.00	0	0.00
250 WATT SINGLE LUMINAIRES AT 240V = 1.25 AMPS	0	0.00	0	0.00	0	0.00	0	0.00
400 WATT SINGLE LUMINAIRES AT 120V = 4.00 AMPS	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL PROPOSED LOAD AMPS =	6.00		6.50		15.00		0	
EXISTING PLUS PROPOSED LOAD AMPS =	6.00		6.50		15.00		0	
REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	42.00		41.50		33.00		00.00	

Unit 1 Only Unit 1 Only Unit 6 Only

CLV DRAWING NO. 10744891-6

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