

STREETLIGHT CIRCUIT CAPACITY VERIFICATION		
CIRCUIT 3450 N. DURANGO DRIVE, NPCO METER #874-94565		
EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW 80%	48	AMPS
EXISTING CIRCUIT LOAD	16.9	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.6 AMP EACH	0	AMPS
1-250 WATT LUMINAIRES @ 1.3 AMPS EACH	1.35	AMPS
0-400 WATT LUMINAIRES @ 3.9 AMPS EACH	0	AMPS
TOTAL PROPOSED LOAD	1.35	AMPS
EXISTING PLUS PROPOSED LOAD	18.25	AMPS
REMAINING AVAILABLE LOAD	29.75	AMPS
AS OF 6/4/98 BY STEVEN PAY, E.I.		

STREETLIGHT CIRCUIT CAPACITY VERIFICATION		
CIRCUIT DURANGO DRIVE SOUTH OF RED COACH, NPCO METER #874-080226		
EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW 80%	48	AMPS
EXISTING CIRCUIT LOAD	14.85	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.6 AMP EACH	0	AMPS
1-250 WATT LUMINAIRES @ 1.3 AMPS EACH	1.35	AMPS
0-400 WATT LUMINAIRES @ 3.9 AMPS EACH	0	AMPS
TOTAL PROPOSED LOAD	1.35	AMPS
EXISTING PLUS PROPOSED LOAD	16.20	AMPS
REMAINING AVAILABLE LOAD	31.80	AMPS
AS OF 6/4/98 BY STEVEN PAY, E.I.		

STREETLIGHT CIRCUIT CAPACITY VERIFICATION		
CIRCUIT 8414 CINNAMON HILL AVENUE, NPCO METER #874-101378		
EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW 80%	48	AMPS
EXISTING CIRCUIT LOAD	13.70	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.6 AMP EACH	0	AMPS
1-250 WATT LUMINAIRES @ 1.3 AMPS EACH	1.35	AMPS
0-400 WATT LUMINAIRES @ 3.9 AMPS EACH	0	AMPS
TOTAL PROPOSED LOAD	1.35	AMPS
EXISTING PLUS PROPOSED LOAD	15.05	AMPS
REMAINING AVAILABLE LOAD	32.95	AMPS
AS OF 6/4/98 BY STEVEN PAY, E.I.		

SERVICE PANEL SP-3931 N DURANGO*, 1 PH, 3 WRE 120/240 VOLTS 200 AMP MAIN CB MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION:DURANGO & ALEXANDER NEMA 3R									
L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, SO=SPACE ONLY SC=SPARE CIRCUIT, E=EXISTING, MLO=MAIN LUGS ONLY, N=NEW MCB=MAIN CIRCUIT BREAKER. ALL LOADS IN VOLT-AMPS.									
POLE SPACE CIRCUIT #	CIRCUIT USE	QCT RATING	CONNECTED LOAD (VA)		QCT RATING	CIRCUIT USE	POLE SPACE CIRCUIT #		
			SA	SB					
1	MAIN	-	-	-	-	MAIN	2		
3	MAIN	-	-	-	-	MAIN	4		
1 5	L-E-STREET LIGHTING	80/2**	900	900	80/2**	L-E-STREET LIGHTING	6 2		
7	L X	X	900	900	X	L X	8		
5 9	F-E-CONTACTOR, PC	15**	200	900	15**	F-E-CONTACTORS/PC	10 4		
11	SO	-	200	-	-	SO	12		
13	SO	-	-	-	-	SO	14		
15	SO	-	1860	-	30	L-N-INTERSECTION LUMINAIRES	16 10		
			4060	4800	60	F-N SIGNAL CONTROLLER	16 12		
CONTACTOR SCHEDULE:			TOTAL PER PHASE		TOTAL CONNECTED				
			10660						
CONTACTOR #	RATING	No. POLES	CKT #s						
E - C1	60	2	1						
E - C2	60	2	2						
* - EXISTING SERVICE PEDESTAL ** - EXISTING CIRCUIT WITH BREAKER, STREET LIGHTING ALONG DURANGO AND ALEXANDER CURRENTLY BEING INSTALLED. VERIFY CKT LOADS PRIOR TO CONSTRUCTION.									

SERVICE PANEL SP-CLV-3601 DURANGO*, 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION:DURANGO & GOWAN NEMA 3R									
L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, SO=SPACE ONLY SC=SPARE CIRCUIT, E=EXISTING, MLO=MAIN LUGS ONLY, N=NEW MCB=MAIN CIRCUIT BREAKER. ALL LOADS IN VOLT-AMPS.									
POLE SPACE CIRCUIT #	CIRCUIT USE	QCT RATING	CONNECTED LOAD (VA)		QCT RATING	CIRCUIT USE	POLE SPACE CIRCUIT #		
1	2	3	4	5	6	7	8	9	10
1	MAIN	-	6A	SB	-	MAIN	2		
3	MAIN	-	-	-	-	MAIN	4		
1 5	L-E-STREET LIGHTING	80/2**	3730	3730	80/2**	L-N-INTERSECTION LUMINAIRES	6 2		
7	L X	X	1860	3730	X	F-N SIGNAL CONTROLLER	8 4		
5 9	F-E-CONTACTOR, PC	20	200	4800	-	SO	10		
11	SO	-	-	-	-	SO	12		
13	-	-	-	-	-	-	14		
15	-	-	-	-	-	-	16		
			5790	8530	TOTAL PER PHASE				
<u>CONTACTOR SCHEDULE:</u>			14320		TOTAL CONNECTED				
CONTACTOR #	RATING	No. POLES	CIRCUIT #s						
E - C1	60	2	1						
* - EXISTING SERVICE PEDESTAL ** - EXISTING CIRCUIT WITH BREAKER, CITY OF LAS VEGAS TO RE-CIRCUIT CONNECTED LOADS PRIOR TO PROJECT. VERIFY CITY OF LAS VEGAS HAS COMPLETED WORK OR COORDINATE COMPLETION OF WORK WITH CITY OF LAS VEGAS.									

DEPARTMENT OF PUBLIC WORKS
CITY OF LAS VEGAS

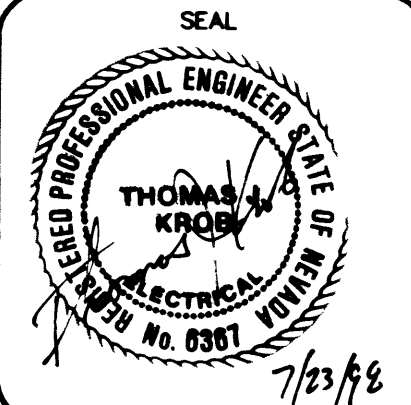
REVISION
DATE
BY

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vtm nevada

TITLE
STREET LIGHTING
CIRCUIT PANEL SCHEDULE &
CIRCUIT CAPACITY VERIFICATION

PROJECT
DURANGO DRIVE IMPROVEMENTS
CHEYENNE AVENUE TO LONE MOUNTAIN ROAD



NO. NO. 5249

BY RCH,WBM

DATE 07/17/98

SCALE HORIZ. NONE
VERT. NONE

DRAWING T2

SHEET 77 OF 106 SHEETS