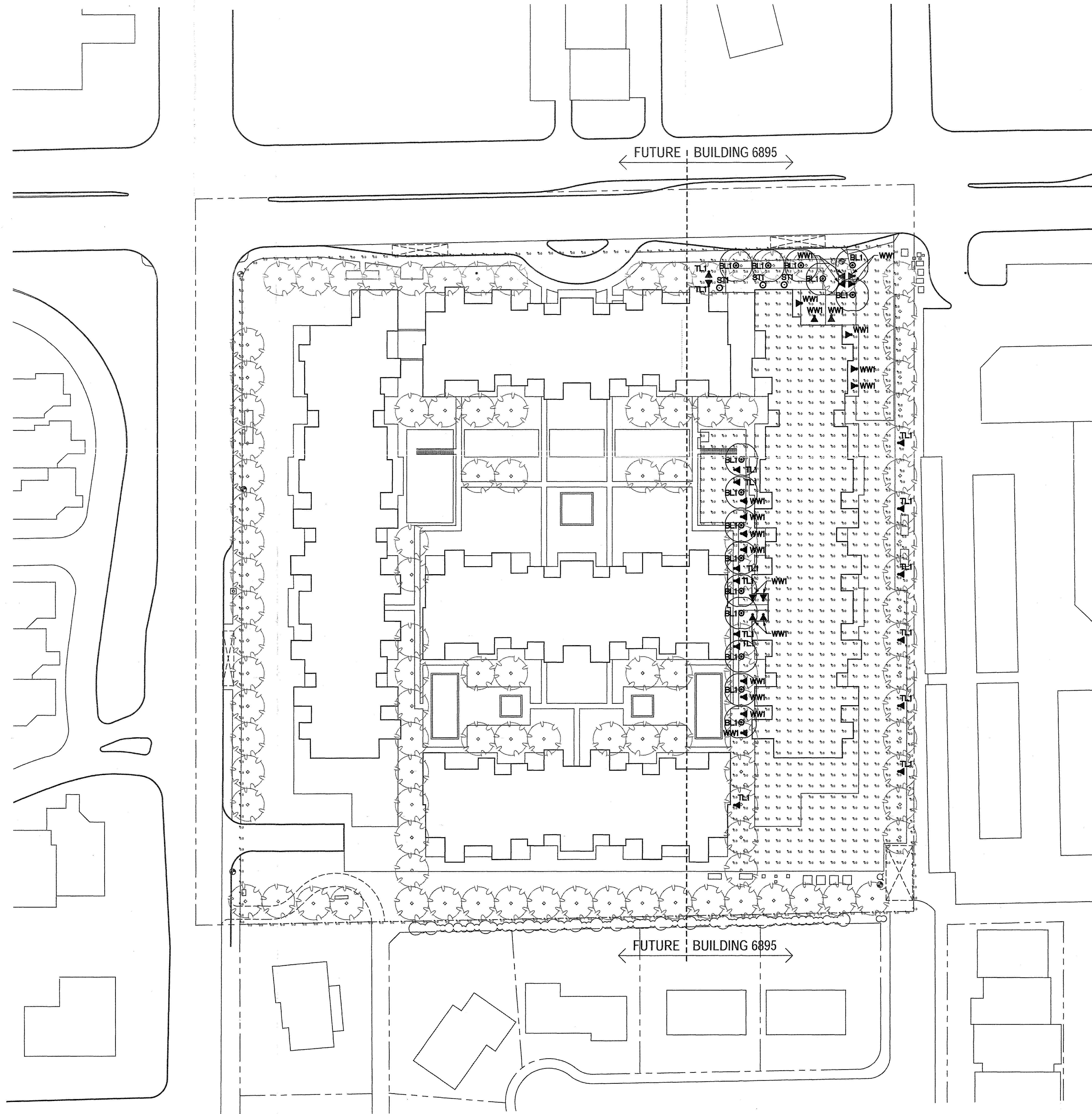




LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Class	Description	Lamp	File	Lumens	LLF	Watts
○	BL1	15	HYDRUS 3716-42TRT-1W	LOWVOLTAGE BOLLARD AT 42' AFO	ONE 42TRT	3110_3110-42TRT	3000	0.81	50
—	RP1	1	LITHONIA RL70MA	RECESSED LOW MOUNT FLOOD	ONE 70 PSMH	KL70MA-1W	5000	0.81	82
○	SL1	0	BEGA 600P	RECESSED CEILING DOWNLIGHT	ONE 20CFL	600P-JES	1800	0.81	28
○	ST1	0	LED 100W-10' MH-FLY	INTEGRATED UPFLIGHT	1-100W MH CLEAR (207)	K00B-SHOW70-MH-IES	8000	0.81	52
○	TL1	13	HIGHLIGHTING 2X20-100W	ACCENT	ONE 20 WATT PAR 10H	4020_35CM74-FL-100	3000	0.81	46.48
—	WW1	25	HIGHLIGHTING 2X20-50W	WALL WASH	ONE 50 WATT LV T4	LF-16U-LIES	1125	0.81	50
STATISTICS									
Description	Symbol	Avg	Max	Min	Max/min	AugMin			
Calc Zone #2	+	0.11%	2.61%	0.01%	N/A	N/A			
Property Line Calculations	+	0.81%	0.11%	0.01%	N/A	N/A			

KEY NOTES:

27355
WILLIAM M. CHASE, P.E.
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 8/30/12

PETERSON ASSOCIATES
CONSULTING ENGINEERS INC.
7201 N. DREAMY DRIVE
SUITE 200
PHOENIX, ARIZONA 85020
(602) 943-4118
FACSIMILE (602) 943-2507
WWW.PETERSON-ENGINEERS.COM
JOB NO. 107860

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NO.	DATE	DESCRIPTION	BY
10-17-11	REVISED BUILDING PERMIT		
9-15-11	REVISED PERMIT		
8-19-11	BUILDING PERMIT		
8-05-11	REVISED FOUNDATION PERMIT		
7-15-11	FOUNDATION PERMIT		

OPTIMA SONORAN VILLAGE
6895 EAST CAMELBACK ROAD
SCOTTSDALE, ARIZONA
OWNER: OPTIMA SONORAN VILLAGE LLC

DAVID HOVEY AND ASSOCIATES ARCHITECT, INC.
7147 E RANCO VISTA DR, SUITE 104, SCOTTSDALE, AZ 85261
TEL: (480) 874 - 9900 FAX: (480) 874 - 9910

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DRAWINGS ARE NOT TO BE SCALED.

NOTICE OF EXTENDED CERTIFICATION AND APPROVAL PERIOD PROVISION.

THIS CONTRACT ALLOWS THE OWNER TO CERTIFY AND APPROVE BUILDINGS AND ESTIMATES FOR PROGRESS PAYMENTS WITHIN TWENTY-FIVE (25) WORKING DAYS AFTER THE LAST DAY OF THE MONTH IN WHICH THE BUILDINGS AND ESTIMATES ARE RECEIVED FROM THE CONTRACTOR. FOR RELEASE OF RETENTION WITHIN TWENTY-FIVE (25) WORKING DAYS AFTER THE LAST DAY OF THE MONTH IN WHICH THE BUILDINGS AND ESTIMATES ARE RECEIVED FROM THE CONTRACTOR, AND FOR FINAL PAYMENT WITHIN TWENTY-FIVE (25) WORKING DAYS AFTER THE LAST DAY OF THE MONTH IN WHICH THE BUILDINGS AND ESTIMATES ARE RECEIVED FROM THE CONTRACTOR.

NOTICE OF ALTERNATE ARRANGEMENTS FOR RELEASE OF RETENTION AND FINAL PAYMENT

THIS CONTRACT ALLOWS THE OWNER TO MAKE ALTERNATE ARRANGEMENTS FOR THE RELEASE OF RETENTION AND MAKING OF FINAL PAYMENT. SUCH ALTERNATE ARRANGEMENTS ARE AS FOLLOWS: RETAINAGE TO BE TEN PERCENT (10%) UNTIL SUBSTANTIAL COMPLETION. AFTER SUBSTANTIAL COMPLETION OWNER SHALL APPROVE AND CERTIFICATION BY OWNER OF A BILLING AND ESTIMATE PERCENT (10%) LESS ANY WITHHOLDINGS THEREFROM. PAYMENT OF THE PERCENT REDUCTION OF RETENTION IS CERTIFIED. THE BILLING AND ESTIMATE IS CERTIFIED AND APPROVED. FINAL PAYMENT AND FULL RELEASE OF RETENTION SHALL BE MADE SEVEN (7) DAYS AFTER THE END OF THE WARRANTY PERIOD AND AFTER APPROVAL AND CERTIFICATION BY THE OWNER OF A BILLING AND ESTIMATE RECEIVED FROM THE CONTRACTOR SUBJECT TO ANY PERMITTED WITHHOLDINGS.

SITE PHOTOMETRY
1"=40'-0"

APPROVED
FINAL PLANS PLANNING
12-1-11
C.W.

SITE PHOTOMETRY
E101

SCALE: 1"=40'-0"

W:\Large\2010\107860 Optima Sonoran Village\CD Electrical\107860_E101.dwg

QS #:

GP #:

1-ZN-2010

ZN #:

88-DRB-2010

DR #:

2659-11

NATIVE PLANT #:

478-10

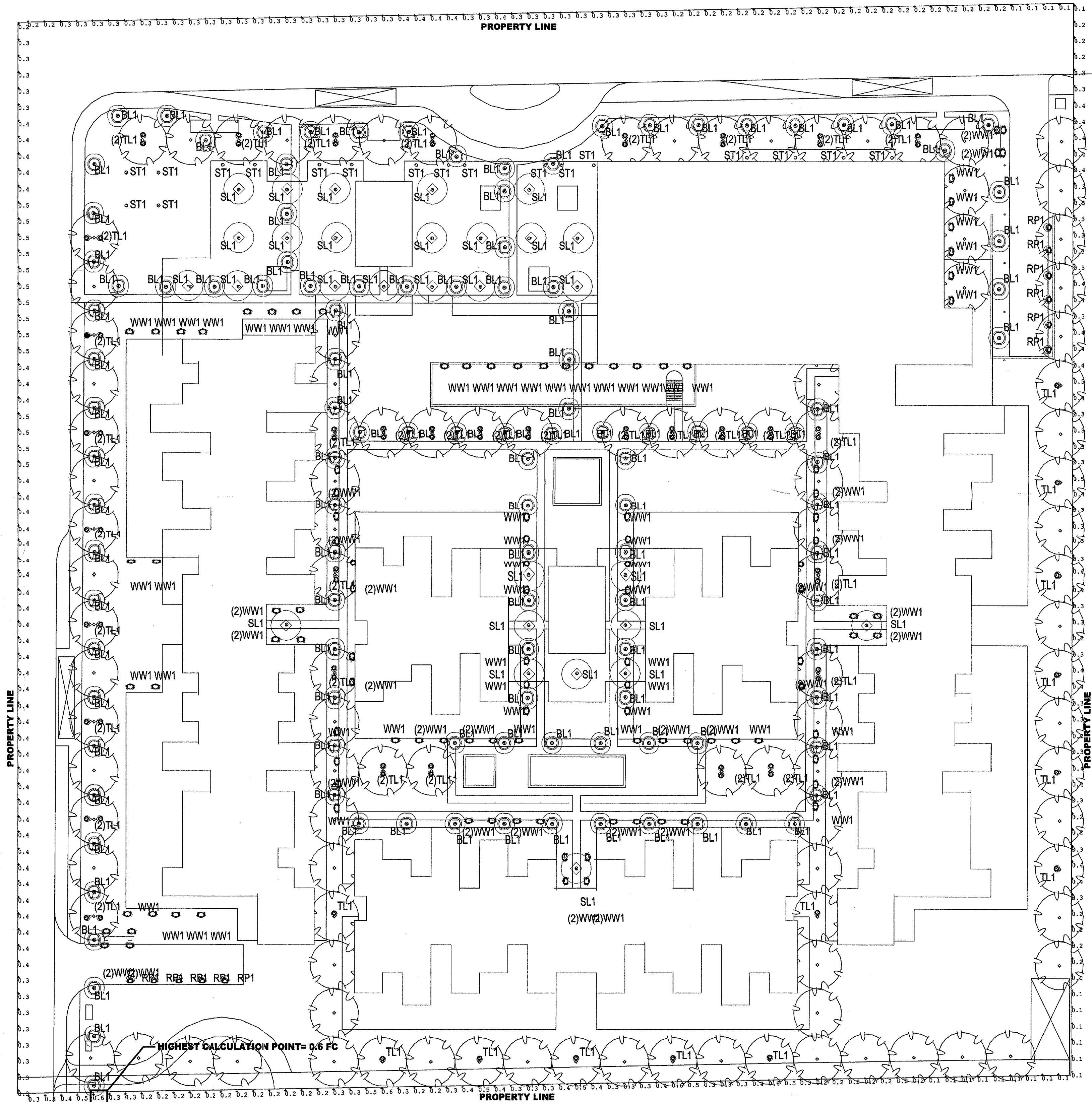
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01/11/11 10:23 AM

SITE LIGHTING FIXTURE SCHEDULE										
Type	Qty	Manufacturer	Catalog Number	Description	Finish	Lens Height	Lamp	Lumens	Color Temp.	Watts
BL1	120	KIM LIGHTING	B30-8R-42PL-BL-30"	30" tall fluorescent ballard with downward optical louvers	Black	22"	F42TBX/830/A/ECO [GE #41634]	3200 lm	3000 K	42 W
RP1	11	KIM LIGHTING	LLF-60-70PMH-27T-BL	Wall mounted metal halide downward floodlight with concealed lens	Black	24"	MXR10/UMED/O [GE #12371]	5500 lm	3200 K	70 W
SL1	29	BEGA	6722	Recessed fluorescent ceiling downlight with integral ballast	Stainless Steel	Varies (9" to 17")	F32TBX/830/A/ECO [GE #41630]	2400 lm	3000 K	32 W
ST1	18	LUMIERE	6000A-MH70MFL-27T-BK-LVR6	Flush to grade metal halide uplight with internal hex cell glare louver	Black	0"	MXR10/UMED/O [GE #12371]	5500 lm	3200 K	70 W
TL1	81	LUMIERE	720-MH39PAR20-27T-EL-MB-BK	Ground mounted ceramic metal halide adjustable landscape accent	Black	8"	CMH39PAR20FL25 [GE #42068]	2100 lm	3000 K	39 W
WW1	111	KIM LIGHTING	CFL1-42PL27T-BL	Ground mounted fluorescent compact landscape floodlight	Black	8"	F42TBX/830/A/ECO [GE #41634]	3200 lm	3000 K	42 W

Luminaire Schedule					
Symbol	Qty	Label	Lumens	LLF	Description
○	120	BL1	3200	1.000	B30_42PL
◻	11	RP1	5500	1.000	LLF-60_70MH-ED17
○	29	SL1	2400	1.000	6722_32
◻	18	ST1	5500	1.000	6000A-MH70T4-MFL4
◻	81	TL1	2100	1.000	720-MH39PAR20-FL
◻	111	WW1	3200	1.000	CFL1_42CFL-PLS

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Vertical - 6' Above Grade	Illuminance	Fc	0.31	0.6	0.1	3.10	6.00



PHOTOMETRIC PLAN - VERTICAL LIGHT TRESPASS (6' ABOVE GRADE)

PRELIMINARY - NOT FOR CONSTRUCTION

Optima Sonoran Village
Site Lighting
Photometric Plan

CREATIVE DESIGNS LIGHTING

1900 E Indian School Rd.
Phoenix, Arizona 85016
602.248.7822
602.248.8306 fax
design@cdltg.com

1978 32 2010
YEARS OF EXCELLENCE

DRAWN BY
Nikki H.
CHECKED
Walter Spitz
DATE
August 11, 2010
SCALE
1"=40'-0"
JOB NUMBER
115560-10
SHEET NO.

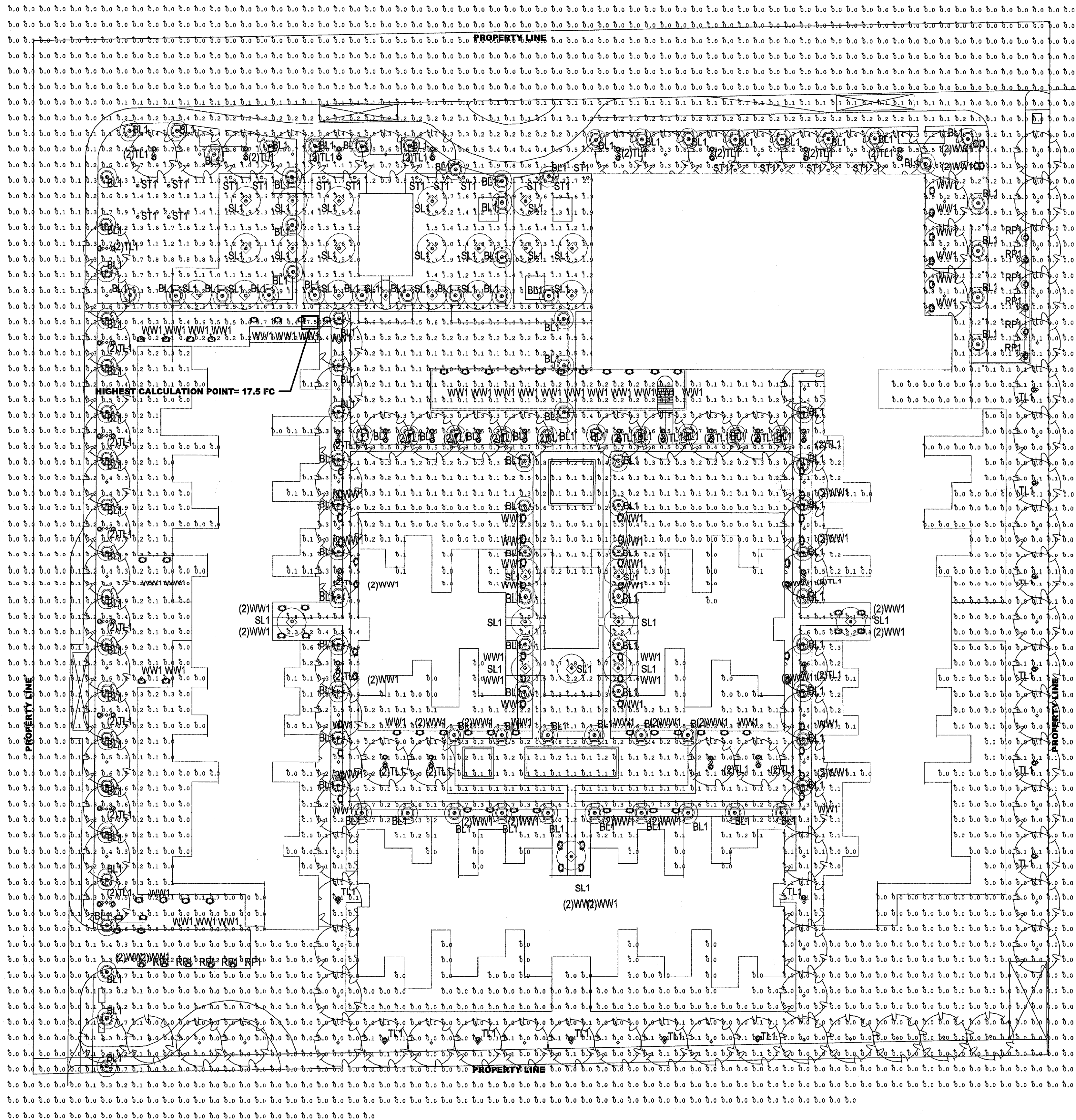
AL2

88-DR-2010
1": 8/13/2010

SITE LIGHTING FIXTURE SCHEDULE										
Type	Qty	Manufacturer	Catalog Number	Description	Finish	Lens Height	Lamp	Lumens	Color Temp.	Watts
BLI	120	KIM LIGHTING	B30-8R-42PL-BL-30"	30" tall fluorescent bollard with downward optical louvers	Black	22"	F42TBX/B30/A/ECO [GE #41634]	3200 lm	3000 K	42 W
RP1	11	KIM LIGHTING	LLF-60-10FMH-27T-BL	Wall mounted metal halide downward floodlight with concealed lens	Black	24"	MXR10/MED/0 [GE #12371]	5500 lm	3200 K	70 W
SLI	24	BESA	6722	Recessed fluorescent ceiling downlight with integral ballast	Stainless Steel	Varies (9" to 17")	F32TBX/B30/A/ECO [GE #41635]	2400 lm	3000 K	32 W
ST1	18	LUMIERE	6000A-MHTOMFL-27T-BK-LVR6	Flush to grade metal halide uplight with internal hex cell glare louver	Black	0"	MXR10/MED/0 [GE #12371]	5500 lm	3200 K	70 W
TL1	81	LUMIERE	T20-MH39PAR20-27T-EL-MB-BK	Ground mounted ceramic metal halide adjustable landscape accent	Black	8"	CMH39PAR20FL25 [GE #42068]	2100 lm	3000 K	39 W
WW1	111	KIM LIGHTING	CFLI-42PL27T-BL	Ground mounted fluorescent compact landscape floodlight	Black	8"	F42TBX/B30/A/ECO [GE #41634]	3200 lm	3000 K	42 W

Luminaire Schedule					
Symbol	Qty	Label	Lumens	LLF	Description
⊙	120	BL1	3200	0.750	B30_42PL
⊞	11	RP1	5500	0.700	LLF-60_70MH-ED17
⊙	24	SL1	2400	0.750	6722_32
⊞	18	ST1	5500	0.700	6000A-MH70T4-MFL4
⊞	81	TL1	2100	0.700	720-MH39PAR20-FL
⊞	111	WW1	3200	0.750	CFLI_42CFL-PLS

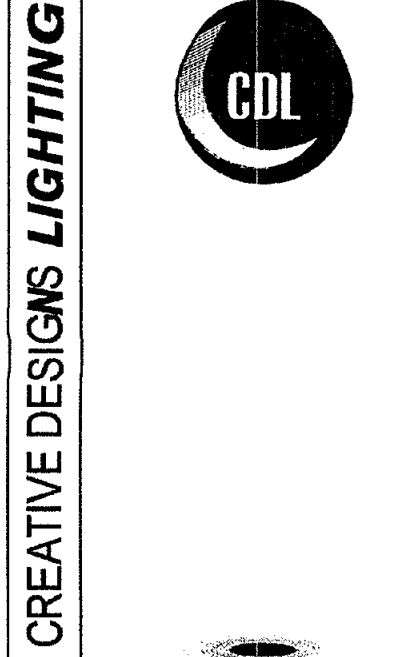
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Horizontal-At Grade	Illuminance	Fc	0.47	17.5	0.0	N.A.	N.A.



PRELIMINARY - NOT FOR CONSTRUCTION

REVISIONS	
△	
△	
△	
△	
△	

Optima Sonoran Village Site Lighting Photometric Plan



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