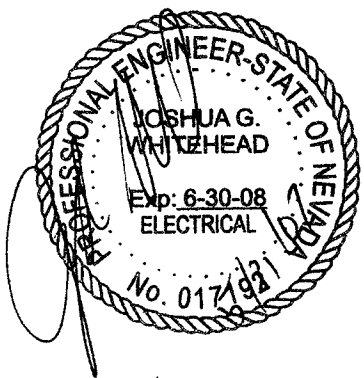


LIGHTING CONTROL NOTES

1. ALL NEW WALKWAY LIGHTING AND PARKING LOT SHALL BE SWITCHED ON AND OFF BY PHOTOCELL. PROVIDE TORK 2007 PHOTOCELL (NO SUBSTITUTIONS) AND CONNECT THROUGH 20-AMP, 12-POLE LIGHTING CONTACTOR TO WALKWAY LIGHTING CIRCUITS 1, 2, 3, 4 AND 5 AND PARKING LOT LIGHTING (L-10, 12). PROVIDE TEST SWITCH AT PANEL 'L' FOR EACH CONTACTOR.
2. RAMADA LIGHTING AND RECEPTACLES SHALL BE CONTROLLED BY A LOCKING SWITCH TO BE ENERGIZED WHEN THE RAMADA IS SCHEDULED FOR USE.
3. SOCCER FIELD LIGHTING SHALL BE CONTROLLED BY EXISTING MUSCO CONTROL LINK EQUIPMENT LOCATED AT BALLFIELD. SEE SITE PLANS A AND B FOR CONDUIT AND WIRE REQUIREMENTS. LIGHTING CONTACTORS SHALL BE PROVIDED BY MUSCO AND INSTALLED BY THE CONTRACTOR.
4. ARM-MOUNTED TYPE 'C' FLOODLIGHTS AT TOT LOTS SHALL BE SWITCHED BY PHOTOCELL AS PART OF THE WALKWAY LIGHTING CIRCUIT.
5. ARM-MOUNTED TYPE 'C' FLOODLIGHTS AIMED AT SCHOOL BASKETBALL COURTS SHALL BE SWITCHED BY POLE MOUNTED MOTION SENSOR. PROVIDE 60 MINUTE TIME DELAY SWITCH WITHOUT PUSHBUTTON OR WARNING LIGHT. ACTIVATION SHALL BE BY MOTION SENSOR ONLY. PROVIDE LOCAL PHOTOCELL TO OVERRIDE MOTION SENSOR.
6. EXISTING USER CONTROLLED BOCCIE AND HORSESHOE LIGHTING SHALL BE RECONNECTED TO EXISTING LIGHTING CONTACTORS AND PANEL 'A' IN RESTROOM BUILDING AS SHOWN ON SITE PLAN. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONNECTIONS PRIOR TO THE REMOVAL OF EXISTING SERVICE EQUIPMENT, AND SHALL PROVIDE ALL NECESSARY DEVICES AND ACCESSORIES TO RE-ESTABLISH THESE CIRCUITS. EXISTING H.O.A. SWITCHES AT CONTACTORS SHALL BE RE-USED.

GENERAL NOTES

1. ALL SITE LIGHTING CONDUIT SHALL BE 1-1/4" SCHEDULE 40 PVC UNLESS NOTED OTHERWISE.
2. ALL WIRING FOR PATHWAY AND PARKING LOT LIGHTING SHALL BE (2)#8, (1)#10G UNLESS NOTED OTHERWISE ON THE DRAWINGS. CONDUCTORS SHALL BE COPPER, 600-VOLT, 75 DEGREES C WITH THW INSULATION.
3. INSULATION ON CONDUCTORS #6 AND SMALLER SHALL BE CONTINUOUS IN COLOR. PHASE COLOR TAPE IS NOT PERMITTED EXCEPT ON CONDUCTORS #4 AND LARGER.
4. ALL PULL BOXES IN GRASS, DIRT OR ASPHALT SHALL HAVE AN 8-INCH MINIMUM CONCRETE COLLAR WITH #4 REBAR. PULL BOXES ARE NO. 3-1/2 UNLESS NOTED OTHERWISE ON THE DRAWINGS.
5. COVERS SHALL BE FACTORY IMPRINTED "LIGHTING" OR "ELECTRIC".
6. CONDUITS SHALL EXTEND 3" ABOVE BOTTOM OF PULL BOXES.
7. SPLICES SHALL BE WATERPROOF, MADE WITH SPLIT BOLT CONNECTORS COVERED WITH VINYL ELECTRICAL TAPE AND 3M "SKOTCHKOTE" ELECTRICAL COATING OR APPROVED EQUAL.
8. PULL BOX LIDS SHALL BE APPROVED NON-METALLIC POLYMER.
9. CONDUCTORS SHALL EXTEND 24" OUTSIDE OF PULL BOXES.
10. ALL WIRE AND CONDUIT INSTALLED IN RAMADAS SHALL BE (3)#10 IN 3/4" EMT.
11. SECURE PULL BOX LIDS WITH BRASS TIE-DOWNS.
12. SEE CIVIL DRAWINGS FOR HORIZONTAL AND VERTICAL COORDINATES FOR ALL AREA LIGHTING, PARKING LOT LIGHTING AND SOCCER LIGHTING POLE FOUNDATIONS.
13. SEE STRUCTURAL DESIGN AND CALCULATIONS BY R. L. FOLEY & ASSOCIATES, INC. FOR SOCCER POLE FOUNDATION DESIGN.
14. TRENCHING, CONDUIT AND PULL BOXES ARE INCLUDED IN THE BASE BID. LIGHTING FIXTURE BASES, POLES AND LUMINAIRES ARE INCLUDED IN ADDITIVE ALTERNATE #1.



STAMP AND/OR SIGN

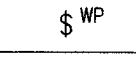
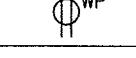
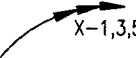
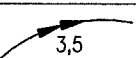
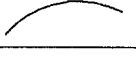
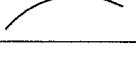
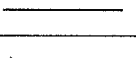
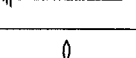
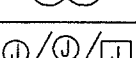
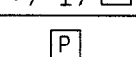
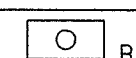
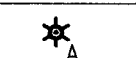
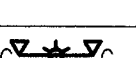
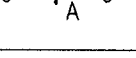
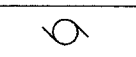
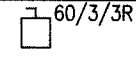
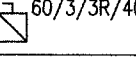
THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AIC RATING INDICATED FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.

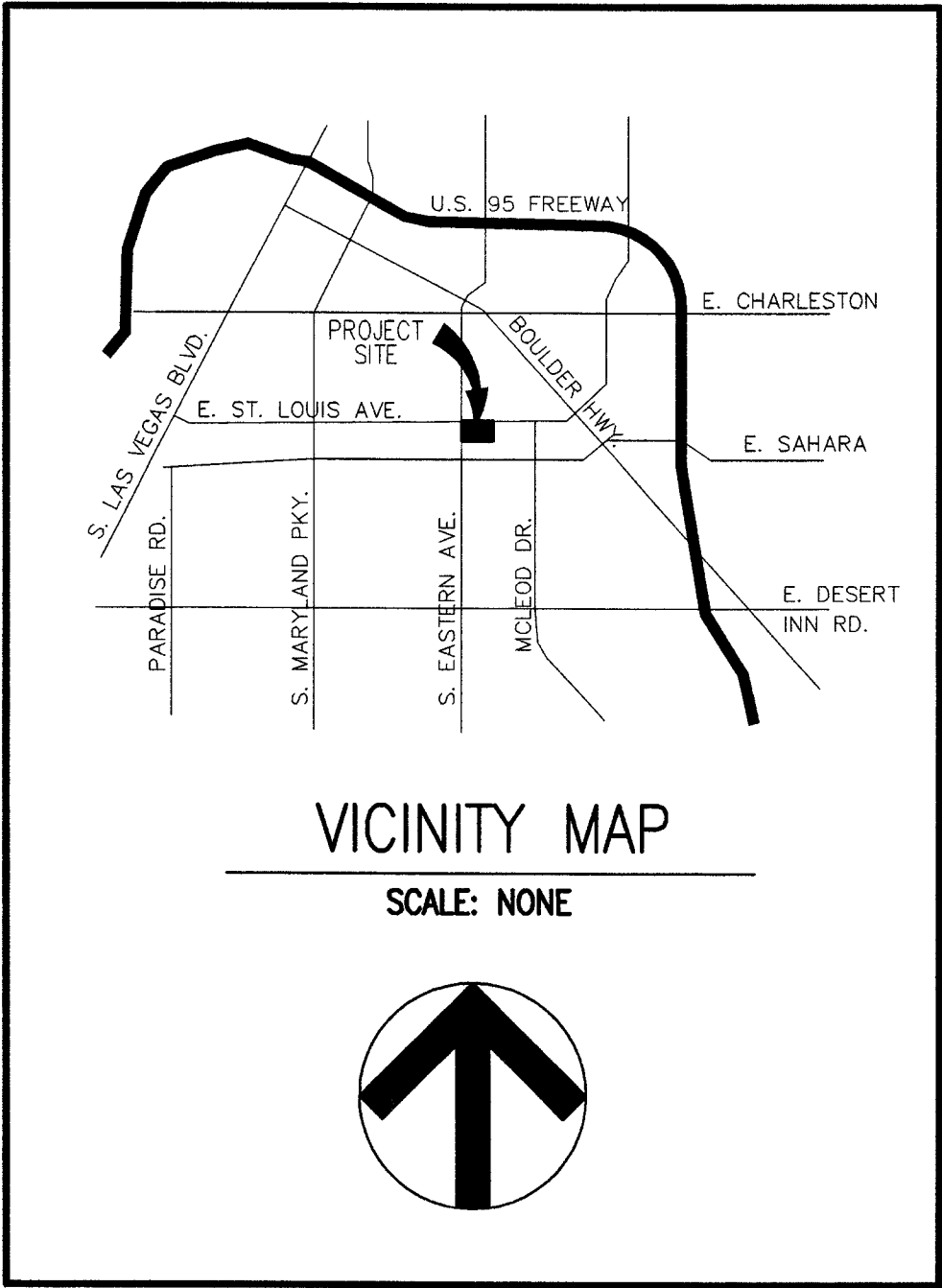
NOTE: IN NEW INSTALLATIONS, THE INCOMING FAULT CURRENT AT THE MAIN IS ALWAYS REQUIRED.

THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUITS AND FEEDERS COMPLY WITH NEC 210.19(A) FPN NO. 4.

THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED LOAD CALCULATIONS AND VERIFIES THAT ALL UPSTREAM PANELS AND EQUIPMENT ARE NOT OVERLOADED.

ELECTRICAL ABBREVIATIONS			
A	 AMPERE	MCB	 MAIN CIRCUIT BREAKER
AFF	 ABOVE FINISHED FLOOR	MLO	 MAIN LUGS ONLY
AFCI	 ARC FAULT CIRCUIT INTERRUPTER	NTS	 NOT TO SCALE
AIC	 AMPERE INTERRUPTING CAPACITY	MH	 MOUNTING HEIGHT
AWG	 AMERICAN WIRE GAUGE	ST	 SHUNT TRIP
BC	 BELOW CEILING	TV	 TELEVISION
BKR	 BREAKER	TVSS	 TRANSIENT VOLTAGE SURGE SUPP.
CKT	 CIRCUIT	UL	 UNDERWRITER LABORATORIES
FACP	 FIRE ALARM CONTROL PANEL	UNO	 UNLESS NOTED OTHERWISE
GFI	 GROUND FAULT INTERRUPTER	V	 VOLTS
G OR GND	 GROUND	W	 WATTS
HP	 HORSE POWER	WP	 WEATHERPROOF
JB	 JUNCTION BOX	Y	 NYE
KMIL	 THOUSAND CIRCULAR MILS		

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	HEIGHT
	WEATHERPROOF SWITCH, MOUNTED AT 48" AFF UNLESS NOTED OTHERWISE	
	WEATHERPROOF DUPLEX RECEPTACLE, MOUNTED AT 18" AFF UNLESS NOTED OTHERWISE	
	ARROWHEAD INDICATES HOMERUN. X-1,3,5 ADJACENT TO HOMERUN ARROWHEADS INDICATES HOMERUN TO PANEL X CIRCUIT NUMBERS 1,3, AND 5.	
	INDICATES CIRCUIT CONTINUATION OF CIRCUITS 3 AND 5 OF PANEL X.	
	MARKS ACROSS RACEWAY SYMBOLS INDICATE THE NUMBER OF #12 CONDUCTORS, UNLESS OTHERWISE NOTED. NO MARKS INDICATES TWO #12 CONDUCTORS. EQUIPMENT GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS	
	RACEWAY INSTALLED CONCEALED IN WALL AND/OR ABOVE CEILING	
	RACEWAY INSTALLED CONCEALED UNDERSLAB	
	RACEWAY INSTALLED EXPOSED	
	GROUND	
	FLEXIBLE RACEWAY (6'-0" MAX LENGTH)	
	JUNCTION BOX, CEILING/WALL/FLOOR MOUNTED	
	PRECAST CONCRETE PULLBOX WITH NON-CONDUCTIVE LID, LABELED "LIGHTING"	
	FLUORESCENT LIGHT FIXTURE - SURFACE MOUNTED	
	POST TOP METAL HALIDE AREA FIXTURE AND POLE	
	POST TOP METAL HALIDE AREA FIXTURE AND POLE WITH FLOODLIGHTS ON TWIN BAR	
	SOCCER FIELD LIGHTS, POLE AND FOUNDATION ASSEMBLY WITH 4 FIXTURES PER POLE	
	MOTOR	
	NONFUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE	
	FUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE/FUSE RATING	
	UTILITY TRANSFORMER ON CONCRETE PAD (EXISTING)	



PLANS APPROVED
ELECTRICAL
Building & Safety Dept.
City of Las Vegas, Nevada

DRM JUN 22 2007

Does Not Include Structural, Architectural, Plumbing/Mechanical or Off-Site Improvements. Make No Change Without Approval. Plan is Not a Permit to Violate Any Ordinance.

REVISIONS

CONSULTANT

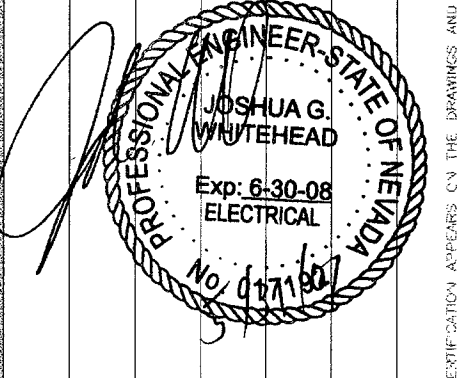
Jordan & Skala Engineers, Inc.
Project Number - 0640395
2900 S. RANCHO DR. STE. 201 LAS VEGAS, NV 89102
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EMAIL - jse@jordan-skala.com

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JAYCEE PARK RENOVATION
SOUTH EAST CORNER OF EASTERN AVE.
AND EAST SAINT LOUIS AVE.

ELECTRICAL LEGEND AND ABBREVIATIONS

STAMP



OWNER: CITY OF LAS VEGAS
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TDD: (702) 386-9108

DRAWN	DSN		
FILE			
DATE	JUNE 2007		
SCALE	AS NOTED		
BID NO	0715314.02		
CLV DWG NO	6506-24		
SHT NO	E-1.01		