

# FAIRGROUNDS/FUJI PARK COMPLEX ELECTRICAL IMPROVEMENTS

## CARSON CITY, NEVADA PROJECT 1.1407

### BOARD OF SUPERVISORS

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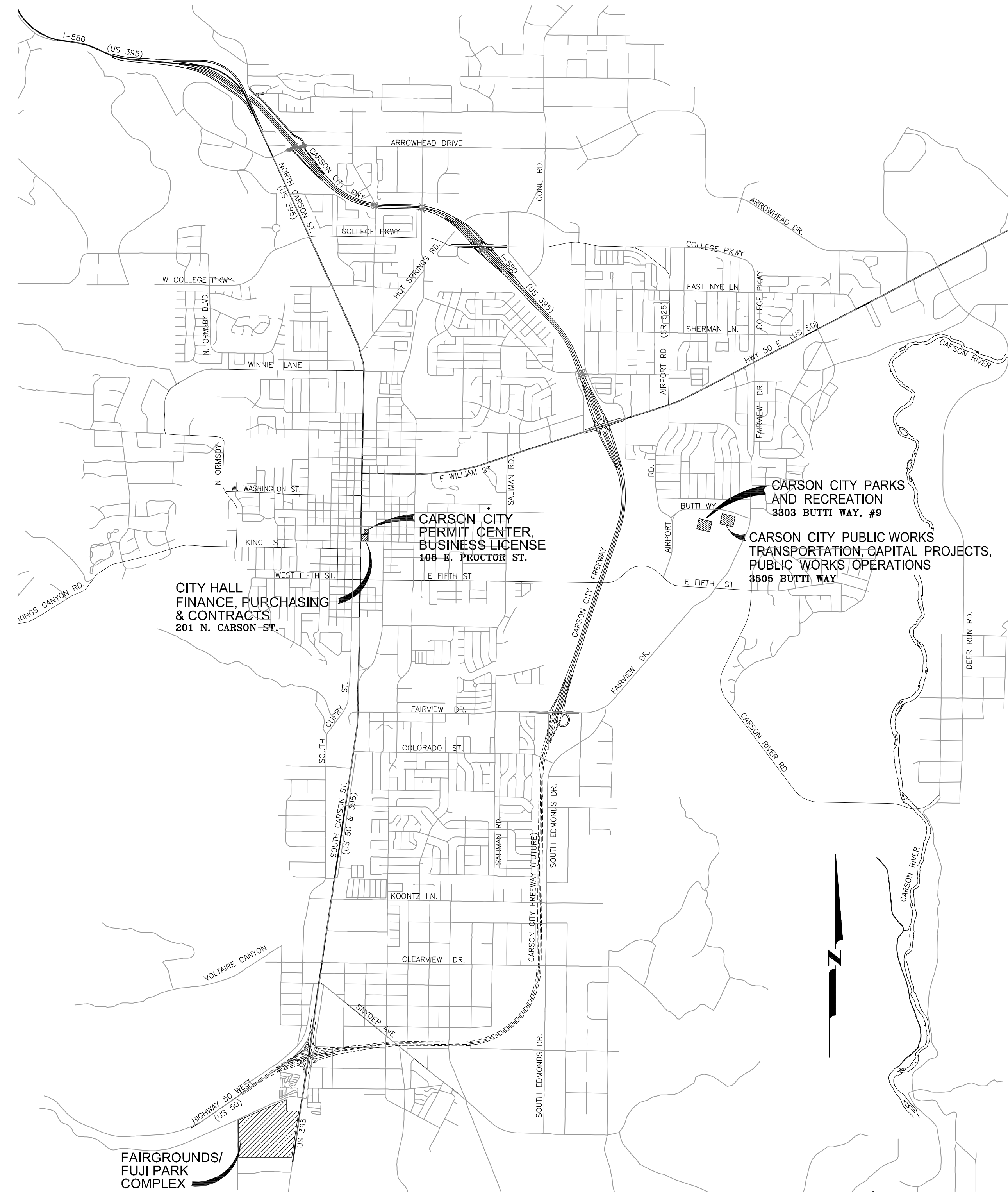
### DESIGNED FOR:

**CARSON CITY PARKS AND RECREATION DEPARTMENT**

3505 BUTTI WAY  
CARSON CITY, NV 89701  
887-2262

### GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (SSPWC) AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" (SDPWC) AS ADOPTED BY CARSON CITY. THE CONTRACTOR SHALL OBTAIN A PERMIT FOR PUBLIC WORKS CONSTRUCTION FROM THE CARSON CITY PERMIT CENTER PRIOR TO THE START OF CONSTRUCTION.  
  
ALL WORK IN NDOT RIGHT-OF-WAY SHALL CONFORM TO THE STATE OF NEVADA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2001 EDITION AND THE STATE OF NEVADA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, 2007 EDITION.
- ALL TRAFFIC CONTROL AND BARRICADING WITHIN THE CARSON CITY RIGHT-OF-WAY SHALL CONFORM TO SECTION 100.33, 332.04 AND 332.05 OF THE STANDARD SPECIFICATIONS, PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND THE UNR T2 CENTER, TEMPORARY TRAFFIC CONTROL GUIDELINES LATEST EDITION. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CARSON CITY ENGINEERING DIVISION PRIOR TO ANY STREET CLOSURES.
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT "CALL BEFORE YOU DIG" (811) OR (1-800-227-2600) AT LEAST TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION AND COMPLY WITH THE REQUIREMENTS OF NRS AND NAC 455 THROUGHOUT THE COURSE OF THE WORK, SEWER SERVICE LATERALS ARE NOT OWNED OR MARKED BY CARSON CITY.
- THE CONTRACTOR SHALL CALL THE CARSON CITY ENGINEERING DIVISION (887-2300) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL ONE (1) WORKING DAY PRIOR TO REQUIRED INSPECTIONS AND TESTING. THE REQUIRED INSPECTIONS AND TESTING ARE LISTED ON THE INSPECTION RECORD ISSUED WITH EACH PERMIT. THE CONTRACTOR MUST HAVE THE PERMIT NUMBER AND THE DESCRIPTION LISTED ON THE INSPECTION RECORD TO SCHEDULE REQUIRED INSPECTIONS AND TESTING. FOR CITY CONTRACTED PROJECTS, THE CONTRACTOR SHALL SCHEDULE INSPECTIONS PER THE CONTRACT DOCUMENTS.
- FINAL INSPECTIONS WILL BE PERFORMED BY CARSON CITY ENGINEERING DIVISION ACCORDING TO THE CARSON CITY INSPECTIONS AND TESTING PROCEDURES. NOTE: THESE PROCEDURES REQUIRE SUBMITTAL OF RECORD DRAWING PRINTS BY THE CONTRACTOR AND 10 WORKING DAYS TO PREPARE A FINAL PUNCH LIST. ALL CONDITIONS OF THE FINAL INSPECTION MUST BE COMPLETED PRIOR TO FINAL ACCEPTANCE OR ANY APPROVAL OF A CERTIFICATE OF OCCUPANCY BY THE CARSON CITY ENGINEERING DIVISION.
- MODIFICATIONS TO THE APPROVED PLANS REQUIRES REVIEW AND APPROVAL BY THE CARSON CITY ENGINEERING DIVISION. WORK PERFORMED WITHOUT WRITTEN APPROVAL BY CARSON CITY ENGINEERING WILL REQUIRE REMOVAL AT THE CONTRACTORS EXPENSE.
- THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
- PLAN APPROVAL FOR SEWER AND WATER CONSTRUCTION SHALL EXPIRE ONE YEAR FROM DATE OF APPROVAL UNLESS CONSTRUCTION HAS BEEN INITIATED. (CCMC 12.06.180F, 12.01.140D)
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR ACQUIRING A STORMWATER DISCHARGE PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP) INCLUDING DEVELOPING, SUBMITTING AND IMPLEMENTING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL DEVELOP, PLACE AND MAINTAIN STORM WATER PROTECTION DEVICES IN COMPLIANCE WITH THE NEVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (JUNE 2008).
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THESE LOCATIONS AT THE PROPOSED POINTS OF CONNECTIONS AND IN AREAS OF POSSIBLE CONFLICT WITH NEW UTILITY INSTALLATION, PRIOR TO BEGINNING CONSTRUCTION. POTHOLES IS REQUIRED. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS, HE SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF PROPER SHORING OF TRENCHES IN ACCORDANCE WITH OCCUPATIONAL SAFETY LAWS. THE DUTIES OF THE ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE.
- SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.



**VICINITY MAP**  
N.T.S.

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### REVIEWED FOR CITY REQUIREMENTS:

ROGER MOELLENDORF, PARKS AND RECREATION DIRECTOR      DATE

DEVELOPMENT ENGINEERING      DATE

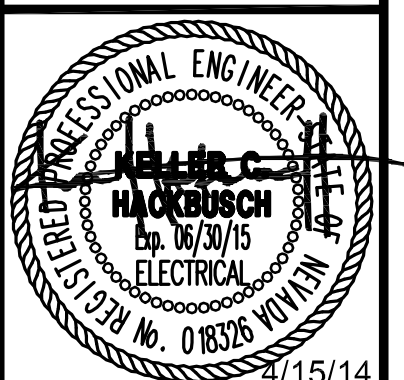


APPLICATION NO. \_\_\_\_\_  
**FOR BIDDING  
PURPOSES  
ONLY**



DESIGNED BY: MMB  
DRAWN BY: MMB  
CHECKED BY: ERG  
DWG. NO.: 4447 TO.1.DWG  
SCALE (HORIZ): PER PLAN  
SCALE (VERT): PER PLAN  
PLOT DATE: 4/21/14

**CARSON CITY  
PARKS AND RECREATION**  
3303 BUTTI WAY CARSON CITY, NEVADA 89701  
PH: 887-2262 FAX: 887-2145



REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX  
ELECTRICAL IMPROVEMENTS  
PROJECT No. 1.1407**  
**TITLE SHEET**

SHEET  
**T1**  
OF

PERMIT 14-321

# ELECTRICAL SYMBOL LIST

- CONDUIT RUN IN OR ON CEILING OR WALL
- - - CONDUIT RUN IN OR UNDER FLOOR OR UNDERGROUND
- /// HASH MARKS INDICATE NUMBER OF #12 AWG CONDUCTORS IN CONDUIT. NO MARKS INDICATE 2 #12'S. DOES NOT INCLUDE GROUND WIRE. IF NON-METALLIC CONDUIT ADD GROUND PER NEC.
- /// LONG SLASH WITH HASH MARKS AS SHOWN INDICATES GROUND WIRE FOR ISOLATED GROUNDING SYSTEM. SIZE PER N.E.C.
- LA-1 HOMERUN TO PANEL WITH PANEL AND CIRCUIT INDICATED
- LA-(1, 3, 5) HOMERUN TO PANEL WITH CIRCUIT NUMBER IN BRACKETS INDICATING MULTI-POLE BREAKER.
- P — PRIMARY UTILITY LINE
- S — SECONDARY UTILITY LINE
- OH — OVERHEAD UTILITY LINE
- o RACEWAY UP
- RACEWAY DOWN
- Ⓞ FLEX CONDUIT TO LAY-IN FIXTURE IN CEILING
- ON HA-6 "ON" INDICATES CIRCUITING IS SPLIT AT DIFFERENT LOCATIONS
- Ⓞ FLUORESCENT FIXTURE - SEE FIXTURE SCHEDULE FOR MOUNTING
- Ⓞ FLUORESCENT FIXTURE - LAY-IN
- Ⓞ FLUORESCENT FIXTURE - RECESSED
- Ⓞ FLUORESCENT FIXTURE - STRIP LIGHT
- Ⓞ NL FLUORESCENT FIXTURE - TO BE USED FOR NIGHT LIGHT ON UNSWITCHED CIRCUIT
- INCANDESCENT OR H.I.D. FIXTURE - CEILING OR WALL MOUNTED SEE FIXTURE SCHEDULE
- INCANDESCENT OR H.I.D. FIXTURE - RECESSED
- H.I.D. FIXTURE WITH QUARTZ RESTRIKE.
- ⊗ EXIT LIGHT - WITH OR WITHOUT DIRECTIONAL ARROWS AS INDICATED (SHADED PORTION INDICATES ILLUMINATED SURFACE) - ON UNSWITCHED CIRCUIT
- ⊕ EMERGENCY BATTERY UNIT WITH TWIN HEADS ON UNSWITCHED CIRCUIT
- POLE MOUNTED LIGHT FIXTURE
- HIGH MAST POLE LIGHT FIXTURE
- ⊕ FLOOD LIGHT
- \$ SINGLE POLE SWITCH +48" AFF
- \$\$ DUAL LEVEL SWITCHING FOR 3 OR 4 LAMP FLUORESCENT FIXTURES. ONE SWITCH TO CONTROL OUTBOARD LAMPS, ONE SWITCH TO CONTROL IN BOARD LAMPS. PROVIDE 3 #12'S IN FLEX TO LAYIN FIXTURES.
- \$₃ THREE-WAY SWITCH +48" AFF
- \$₄ FOUR-WAY SWITCH +48" AFF
- \$₆ DIMMER SWITCH +48" AFF
- \$ₓ KEY OPERATED SWITCH +48" AFF
- \$ₓ SINGLE POLE TOGGLE SWITCH WITH LIGHTED HANDLE +48" AFF
- \$ₓ FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER
- \$ₓ MOMENTARY CONTACT SWITCH +48" AFF
- \$ₓ AUTOMATIC WALL SWITCHES, WATT STOPPER CAT. WS 120/277. +48" AFF
- \$ₓ DUAL LEVEL AUTOMATIC WALL SWITCHES, WATT STOPPER CAT NO. WI-300 120/277. +48" AFF
- \$ₓ INTEL SWITCH DIGITAL TIME SWITCH, WATT STOPPER CAT NO. TS-200. +48" AFF

- Ⓚ 3 POSITION KEYED SWITCH
- Ⓧ MOTOR SYMBOL - HORSEPOWER AS INDICATED
- Ⓛ DISCONNECT SWITCH (30A/3P UNLESS INDICATED ON DWGS) "F" INDICATES FUSES PER MANUFACTURERS NAMEPLATE RATING
- Ⓧ MAGNETIC MOTOR STARTER (SIZE AS INDICATED ON DRAWINGS)
- Ⓧ COMBINATION STARTER / FUSED DISCONNECT SWITCH (SIZE AS INDICATED ON DRAWINGS - FUSES SIZED PER MANUFACTURER'S NAMEPLATE RATING)
- Ⓛ MAGNETIC CONTACTOR
- Ⓛ RELAY
- Ⓛ TIME CLOCK
- Ⓛ THERMOSTAT OUTLET +60" AFF
- Ⓛ PUSHBUTTON
- Ⓛ PUSHBUTTON CONTROL STATION
- Ⓛ 120V SINGLE RECEPTACLE (AMPS AS NOTED) +18" AFF
- Ⓛ 120V DUPLEX CONVENIENCE RECEPTACLE +18" AFF
- Ⓛ 120V DOUBLE DUPLEX CONVENIENCE RECEPTACLE +18" AFF
- Ⓛ 120V DUPLEX RECEPTACLE WITH DEDICATED CIRCUIT & ISOLATED GROUND; "D" INDICATES "DATA OUTLET", ENGRAVE FACEPLATE "COMPUTER POWER ONLY" +18" AFF
- Ⓛ 120V DOUBLE DUPLEX RECEPTACLE W/ DEDICATED CIRCUIT & ISOLATED GROUND +18" AFF
- Ⓛ 120V DOUBLE DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED
- Ⓛ 208V - 1~ SPECIAL PURPOSE OUTLET (AMPS AS NOTED ) +18" AFF
- Ⓛ 208V - 3~ SPECIAL PURPOSE OUTLET (AMPS AS NOTED) +18" AFF
- Ⓛ 480V - 1~ SPECIAL PURPOSE OUTLET (AMPS AS NOTED ) +18" AFF
- Ⓛ 480V - 3~ SPECIAL PURPOSE OUTLET (AMPS AS NOTED) +18" AFF
- Ⓛ 120V DUPLEX CONVENIENCE OUTLET - FLUSH FLOOR TYPE
- Ⓛ PM PLUG MOLD - SURFACE MOUNTED
- Ⓛ JUNCTION BOX AS REQUIRED BY NATIONAL ELECTRIC CODE
- Ⓛ JUNCTION BOX - FLUSH FLOOR TYPE - AS REQUIRED BY NATIONAL ELECTRIC CODE
- Ⓛ TELEPHONE OUTLET - WALL MOUNTED +18" AFF
- Ⓛ TELEPHONE OUTLET - FLUSH FLOOR TYPE
- Ⓛ COMPUTER OUTLET (DATA) +18" AFF
- Ⓛ INTERCOM OUTLET - WALL MOUNTED +18" AFF
- Ⓛ PUBLIC PAY TELEPHONE OUTLET +48" AFF
- Ⓛ WALL PHONE OUTLET +48" AFF
- Ⓛ TELEPHONE / DATA COMBINATION WALL MOUNTED
- Ⓛ INDUSTRIAL TYPE TELEPHONE BELL
- Ⓛ ELECTRICAL PANELBOARD - SURFACE MOUNTED
- Ⓛ ELECTRICAL PANELBOARD - FLUSH MOUNTED
- Ⓛ SERVICE OR DISTRIBUTION EQUIPMENT
- Ⓛ TRANSFORMER
- Ⓛ AUXILIARY SYSTEM TERMINAL CABINET
- Ⓛ PRECAST CONCRETE PULLBOX (SIZE AS INDICATED)
- Ⓛ REMOTE METER ENCLOSURE +6'-0" AFG TO CENTERLINE

TO MATCH MALE PLUG CONNECTOR ON EQUIPMENT FURNISHED

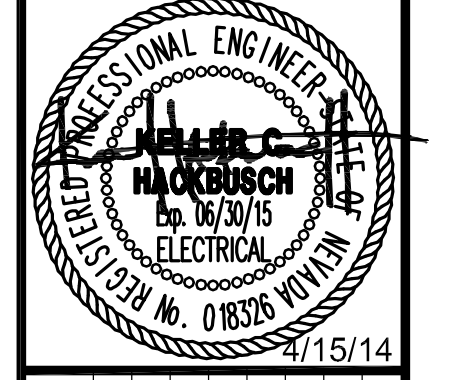
- Ⓛ FIRE SMOKE DAMPER
- Ⓛ FIRE ALARM SYSTEM MANUAL PULL STATION +48" AFF
- Ⓛ FIRE ALARM SYSTEM HORN/AUDIO VISUAL SIGNAL DEVICE +80" AFF
- Ⓛ FIRE ALARM SYSTEM STROBE LIGHT +80" AFF
- Ⓛ FIRE ALARM SYSTEM BELL +80" AFF
- Ⓛ FIRE ALARM SYSTEM CHIME +80" AFF
- Ⓛ FIRE SPRINKLER FLOW SWITCH OUTLET
- Ⓛ FIRE SPRINKLER TAMPER SWITCH OUTLET
- Ⓛ FIRE ALARM SYSTEM HEAT DETECTOR
- Ⓛ FIRE ALARM SYSTEM SMOKE DETECTOR
- Ⓛ FIRE ALARM SYSTEM - DUCT TYPE SMOKE DETECTOR
- Ⓛ SMOKE DOOR CLOSURE - (HOLD OPEN DEVICE)
- ELR END-OF-LINE RESISTOR
- Ⓛ SPEAKER - CEILING OR WALL MOUNTED
- Ⓛ LIFE SAFETY SPEAKER - CEILING OR WALL MOUNTED
- Ⓛ VOLUME CONTROL
- Ⓛ SPEAKER WITH VOLUME CONTROL
- Ⓛ SPEAKER (LOCAL SOUND SYSTEM)
- Ⓛ MICROPHONE OUTLET - WALL MOUNTED +18" AFF
- Ⓛ MICROPHONE OUTLET - FLUSH FLOOR
- Ⓛ EMERGENCY ALARM PUSHBUTTON +48" AFF
- Ⓛ EMERGENCY SHUNT TRIP BUTTON +48" AFF
- Ⓛ EMERGENCY SHUNT TRIP DISCONNECT
- Ⓛ VIDEO SURVEILLANCE CAMERA
- Ⓛ TELEVISION ANTENNA OUTLET +18" AFF
- Ⓛ TELEVISION ANTENNA OUTLET - FLUSH FLOOR TYPE
- Ⓛ CLOCK - WALL MOUNTED, "D" INDICATES DOUBLE FACED
- Ⓛ CLOCK - CEILING MOUNTED, "D" INDICATES DOUBLE FACED
- Ⓛ SHEET NOTE
- Ⓛ LIGHT FIXTURE DESIGNATION & WATTAGE. SEE FIXTURE SCHEDULE
- Ⓛ MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL & PLUMBING PLANS
- Ⓛ FEEDER - SIZE AS INDICATED ON SINGLE LINE DIAGRAM
- Ⓛ DETAIL DESIGNATION - "B" INDICATES DETAIL # ON SHEET E3.1
- Ⓛ ROOM NUMBER

\* NOTE: ALL MOUNTING HEIGHTS AS INDICATED UNLESS NOTED OTHERWISE. ALL SYMBOLS MAY NOT BE USED ON PROJECTS.

- Ⓛ MOTION DETECTOR
- Ⓛ KEY PAD
- Ⓛ KEY PAD IN STEEL BOX (LOCKABLE)
- Ⓛ ALARM DOOR CONTACTS
- Ⓛ SHUNT PAD
- Ⓛ SIREN IN STEEL CAN
- Ⓛ REQUEST-TO-EXIT DEVICE
- Ⓛ PANIC STATION
- Ⓛ ELECTRICALLY CONTROLLED OPENINGS
- Ⓛ ELECTRICALLY CONTROLLED OPENINGS W/ KEYED SWITCH
- Ⓛ ELECTRIC DEADBOLT
- Ⓛ INTERLOCKED OPENINGS
- Ⓛ DOOR POSITION INDICATOR SWITCH
- Ⓛ ANNUNCIATOR LIGHT
- Ⓛ ELAPSED TIME CONTROL
- Ⓛ EXISTING WIRE AND/OR CONDUIT TO BE REMOVED OR ABANDONED
- Ⓛ EXISTING WIRE AND/OR CONDUIT TO REMAIN
- Ⓛ DASHED DEVICES, LIGHT FIXTURES, ETC. EXISTING TO BE REMOVED
- Ⓛ "E" ADJACENT TO DEVICES, LIGHT FIXTURES, ETC. INDICATES EXISTING TO REMAIN

DESIGNED BY: MWB  
 DRAWN BY: MWB  
 CHECKED BY: ERG  
 DWG NO.: 4447.E0.1.DWG  
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1	4/15/14	PARKS DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX ELECTRICAL IMPROVEMENTS PROJECT No. 1.1407 ELECTRICAL SYMBOL LIST**

FOR BIDDING PURPOSES ONLY



SHEET **E0.1** OF

PERMIT 14-321

## ELECTRICAL GENERAL NOTES

- FURNISH ALL LABOR, MATERIALS, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE WORKING ELECTRICAL SYSTEM.
- ALL ELECTRICAL WORK SHALL COMPLY WITH ALL APPLICABLE STATE, COUNTY AND LOCAL CODES AND ORDINANCES, AS WELL AS ALL CURRENT STANDARDS, CODES AND PRACTICES AS REQUIRED BY NEC, NEMA, ANSI, NFPA, UBC, UL, IEEE AND UTILITY COMPANY STANDARDS.
- ALL EQUIPMENT, MATERIALS AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING. OR NOTED OTHERWISE ON OTHER SHEETS.
- UTILITIES SHOWN TO BE DEMOLISHED SHALL NOT BE REMOVED FROM SERVICE UNTIL EITHER OF THE FOLLOWING EVENTS OCCUR: A) THE FACILITY SERVED BY THE UTILITY IS NO LONGER OCCUPIED AND IS READY FOR DEMOLITION. OR B) EQUIVALENT SERVICE BY NEW UTILITY CONSTRUCTION HAS BEEN PROVIDED TO THE FACILITY CURRENTLY SERVICED. UNLESS OTHERWISE NOTED.
- VERIFY EXACT LOCATION OF ALL RECEPTACLES ABOVE OR ADJACENT TO COUNTERS FIXTURES MIRRORS OUTDOOR FIXTURES AND MOUNTING HEIGHTS & LOCATIONS OF ALL FIXTURES & BOXES PRIOR TO ROUGH-IN. NO EXTRA COSTS WILL BE ALLOWED FOR FAILURE TO COMPLY.
- ANY POWER OUTAGE OF ANY CIRCUIT SHALL BE APPROVED BY THE OWNER IN WRITING A MINIMUM OF TWO WEEKS PRIOR TO OUTAGE. ALL OUTAGES SHALL BE DONE EXACTLY WHEN DETERMINED BY THE OWNER AND DONE BEFORE OR AFTER WORKING HOURS AND ON WEEKENDS. NO SINGLE OUTAGE SHALL REQUIRE MORE THAN 4 HOURS. PROVIDE TEMPORARY POWER, HEAT & COOLING IF REQUIRED DURING OUTAGE.
- DUE TO THE REQUIREMENTS TO INTERFACE WITH EXISTING FACILITIES AND UTILITIES, IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO BID.
- PRIOR TO PURCHASE OF ANY PANEL, PROTECTIVE DEVICES, SWITCH, STARTER, CONDUIT, WIRE, ETC., TO FEED ANY PIECE OF MECHANICAL EQUIPMENT VERIFY THE VOLTAGE, PHASE, & LOAD OF THAT ITEM IN THE FIELD AND/OR WITH THE PARTICULAR ENTITY INVOLVED IN FURNISHING THE ITEM SUCH THAT THE PROPER SIZE & RATING OF THE MATERIALS ARE PURCHASED. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO COMPLY. THIS APPLIES TO ALL EQUIPMENT UNDER OTHER SECTIONS & BY THE OWNER.
- ALL RECEPTACLES SHALL MATCH THE MALE PLUG CONNECTOR OF ALL EQUIPMENT PROVIDED VERIFY PRIOR TO PURCHASE. SEE GENERAL NOTE 8.
- PULL ROPES: PROVIDE 12 GA PULL WIRE OR NYLON EQUIVALENT IN ALL INTERIOR EMPTY CONDUIT RUNS. PROVIDE 1/4" DIA NYLON PULL ROPE IN EACH EXTERIOR CONDUIT OR DUCT.
- COORDINATE WITH MECHANICAL CONTRACTORS TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS AND LIGHTING, SOUND SYSTEM & FIRE ALARM SYSTEM FIXTURES.

## ELECTRICAL GENERAL NOTES (CONT.)

- APPEARANCE AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND STANDARDS.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE THE ELECTRICAL WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- ORDER AND/ OR RELEASE ORDERED MATERIALS PROMPTLY AFTER SUBMITTAL APPROVAL. NO SUBSTITUTIONS OR ALTERNATE METHODS OF INSTALLATION WILL BE ACCEPTED FOR FAILURE TO ORDER MATERIALS IN A TIMELY FASHION.
- OBTAIN WRITTEN APPROVAL FROM THE ENGINEER OF ALL SHOP DRAWINGS AND MANUFACTURERS DATA FOR PANEL BOARDS, TRANSFORMERS, WIRING DEVICES, ETC. BEFORE RELEASING ORDERED MATERIALS. SUBMITTAL DATA SHALL INDICATE THAT THE CONTRACTOR HAS REVIEWED THE INFORMATION THEREIN AND THAT THE PROPOSED EQUIPMENT WILL MEET THE PHYSICAL CONSTRAINTS AT THE JOB SITE. ANY SUBSTITUTIONS SHALL BE OF EQUIVALENT OR BETTER QUALITY THAN THE SPECIFIED COMPONENTS.
- TYPE MC OR TYPE AC CABLE SHALL ONLY BE USED WITH THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. ENT TYPE CONDUIT IS NOT ALLOWED.
- CONDUIT/ CONDUCTOR RUNS SHOWN ARE DIAGRAMMATICAL ONLY. THE BEST FINAL CONDUIT ROUTING SHALL BE AS DETERMINED BY THE ELECTRICAL CONTRACTOR AT TIME OF CONSTRUCTION.
- ALL WIRE SHALL BE COPPER. UNLESS AUTHORIZED BY THE OWNER.
- ALL UNDERGROUND CONDUIT SHALL BE WRAPPED RIGID STEEL WITH THREADED COUPLINGS AND CONNECTORS, AND/ OR PVC SCHEDULE 40. ALL ELBOWS AND EXPOSED RISERS SHALL BE RIGID STEEL CONDUIT.
- PROVIDE ALL PANEL BOARDS WITH TYPED DIRECTORIES INSTALLED UNDER A CLEAR PLASTIC COVER. SUBMIT DIRECTORY INFORMATION TO THE OWNER FOR APPROVAL PRIOR TO FINALIZATION.
- SERIES RATING OF UPSTREAM OR DOWNSTREAM CIRCUIT BREAKERS OR FUSES IS PROHIBITED. ONLY FULLY RATED SYSTEM COMPONENTS WILL BE ACCEPTED.
- PROVIDE ALL TRENCHING, EXCAVATION, BACK FILLING, SHORING, PUMPING, COMP ACTION TESTS, ETC. THAT ARE REQUIRED FOR THE SCOPE OF ELECTRICAL WORK.

## GENERAL DEMOLITION NOTES

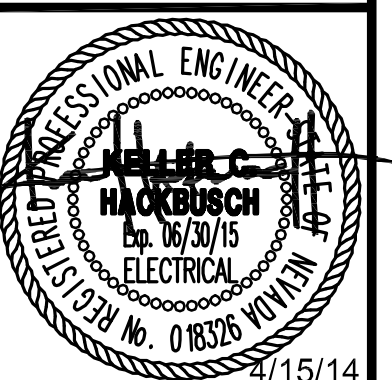
- ELECTRICAL OUTLETS AND DEVICES THAT ARE INDICATED BY DASHED LINES SHALL BE REMOVED ENTIRELY, INCLUDING JUNCTION BOXES AND CIRCUITING ASSOCIATED WITH SAID ITEM.
- THESE PLANS DO NOT PURPORT TO SHOW ALL EXISTING CONDITIONS. ANY OUTLETS, CIRCUITING AND/OR DEVICES THAT CONFLICT WITH ALL WORK BEING PERFORMED DURING THE COURSE OF THIS PROJECT SHALL BE RELOCATED/REROUTED OR REMOVED ENTIRELY AS DICTATED BY CONTRACTING OFFICER.
- ALL EXISTING EQUIPMENT REMOVED DURING THE COURSE OF THIS PROJECT SHALL BE OFFERED TO GOVERNMENT FOR SALVAGE. ANY EQUIPMENT SELECTED BY SHALL BE TURNED OVER TO GOVERNMENT ON PROJECT SITE. ALL REMAINING EQUIPMENT BECOMES THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM PROJECT SITE.
- IT IS RECOMMENDED THAT THE CONTRACTOR VISIT SITE AND VERIFY EXISTING CONDITIONS THAT MIGHT AFFECT HIS OR HER WORK. ALL DISCREPANCIES SHALL BE REPORTED TO ENGINEER PRIOR TO BID.
- DEMOLITION AND MODIFICATION OF EXISTING DISTRIBUTION SYSTEMS SHALL BE PERFORMED AS FOLLOWS:
  - EXISTING WIRING TO BE REMOVED SHALL BE REMOVED BACK TO ITS SOURCE. CONDUITS MAY BE ABANDONED IN PLACE IF THEY ARE IN CONCEALED LOCATION AND DO NOT CONFLICT WITH ANY NEW WORK. REMOVE ALL WIRING FROM ABANDONED RACEWAYS.
  - REMOVAL OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM SHALL INCLUDE EQUIPMENT, ASSOCIATED WIRING, INCLUDING (BUT NOT LIMITED TO) CONDUCTORS, CABLES, EXPOSED CONDUIT, SURFACE RACEWAYS, BOXES, FITTINGS, ETC. (BACK TO EQUIPMENT SOURCE.)
  - CONTINUATION OF SERVICE: MAINTAIN CONTINUITY OF EXISTING CIRCUITS. TEST LIGHTING, RECEPTACLES AND ALL ELECTRICALLY POWERED EQUIPMENT IN SURROUNDING AREAS TO DETERMINE IF ANY EQUIPMENT TO REMAIN HAS BEEN DE-ENERGIZED. CONTRACTOR SHALL RECONNECT ALL EQUIPMENT AND EXTEND CIRCUITING IN ORDER TO RE-ACTIVATE ANY SUCH EQUIPMENT.

## ELECTRICAL ABBREVIATIONS

AC	ABOVE COUNTER. INSTALL 4" ABOVE SPLASH OR COUNTER OR AT HEIGHT AS INDICATED ON DRAWINGS
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
CATV	CABLE TV SYSTEM
⌀	CENTERLINE
CU	COPPER
EC	EMPTY CONDUIT WITH PULL WIRE
EDF	ELECTRIC DRINKING FOUNTAIN
EWC	ELECTRIC WATER COOLER
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHER SECTION
GFI	GROUND FAULT INTERRUPTING
MATV	MASTER ANTENNA TV SYSTEM
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHTLIGHT
NVE	NEVADA ENERGY
PNL	PANEL
TL	TWISTLOCK
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UNO	UNLESS NOTED OTHERWISE
UNSW	UNSWITCHED
W/	WITH
WP	WEATHERPROOF (NEMA 3R)
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

DESIGNED BY: MWB  
 DRAWN BY: MWB  
 CHECKED BY: ERG  
 DWG NO.: 4447.E0.2.DWG  
 SCALE (HORIZ): PER PLAN  
 SCALE (VERT): PER PLAN  
 PLOT DATE: 4/21/14

**CARSON CITY  
 PARKS AND RECREATION**  
 3303 BUTTI WAY CARSON CITY, NEVADA 89701  
 PH: 867-2262 FAX: 867-2145



REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

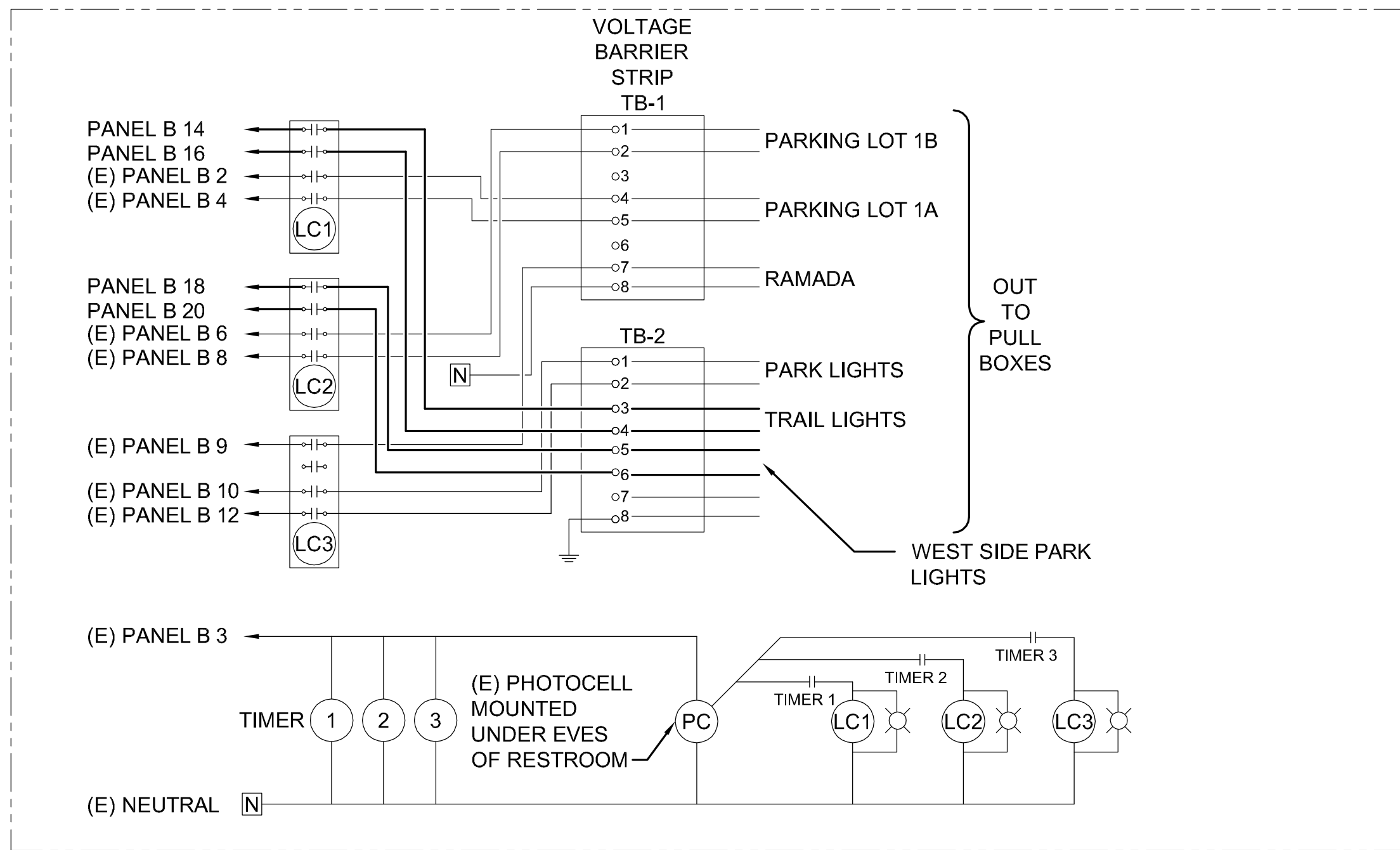
**FAIRGROUNDS/FUJI PARK COMPLEX  
 ELECTRICAL IMPROVEMENTS  
 PROJECT No. 1.1407  
 GENERAL AND  
 DEMOLITION NOTES**

FOR BIDDING  
 PURPOSES  
 ONLY



SHEET  
**E0.2**  
 OF

PERMIT 14-321



**1 LIGHTING CONTROL**  
E1.1 NO SCALE

- ADD ALTERNATES:**
1. TENT POWER - INSTALL NEMA-3R 225 AMP PANEL WITH 225 AMP BUS AT NORTH END OF DOG PARK.
  2. STAGE POWER - INSTALL NEMA-3R 225 AMP PANEL WITH 150 AMP BUS AT MAIN STAGE LOCATION. INSTALL NEMA-3R 100AMP PANEL WITH A 60AMP BUS AT SMALL STAGE LOCATION.
  3. INSTALL (3) D/110 LIGHT FIXTURES LIGHT FIXTURES AND POLES ALONG EXISTING GRASS AT WEST END OF FUJI PARK.
  4. REPLACE (4) PARK AREA - POLE MOUNTED FIXTURES WITH E/75 LIGHT FIXTURES. REPLACE (5) PARKING LOT POLE MOUNTED FIXTURES WITH F/110 LIGHT FIXTURES.
  5. REPLACE BUILDING MOUNTED FIXTURES WITH G/70 FIXTURES.

**LIGHT FIXTURE SCHEDULE**

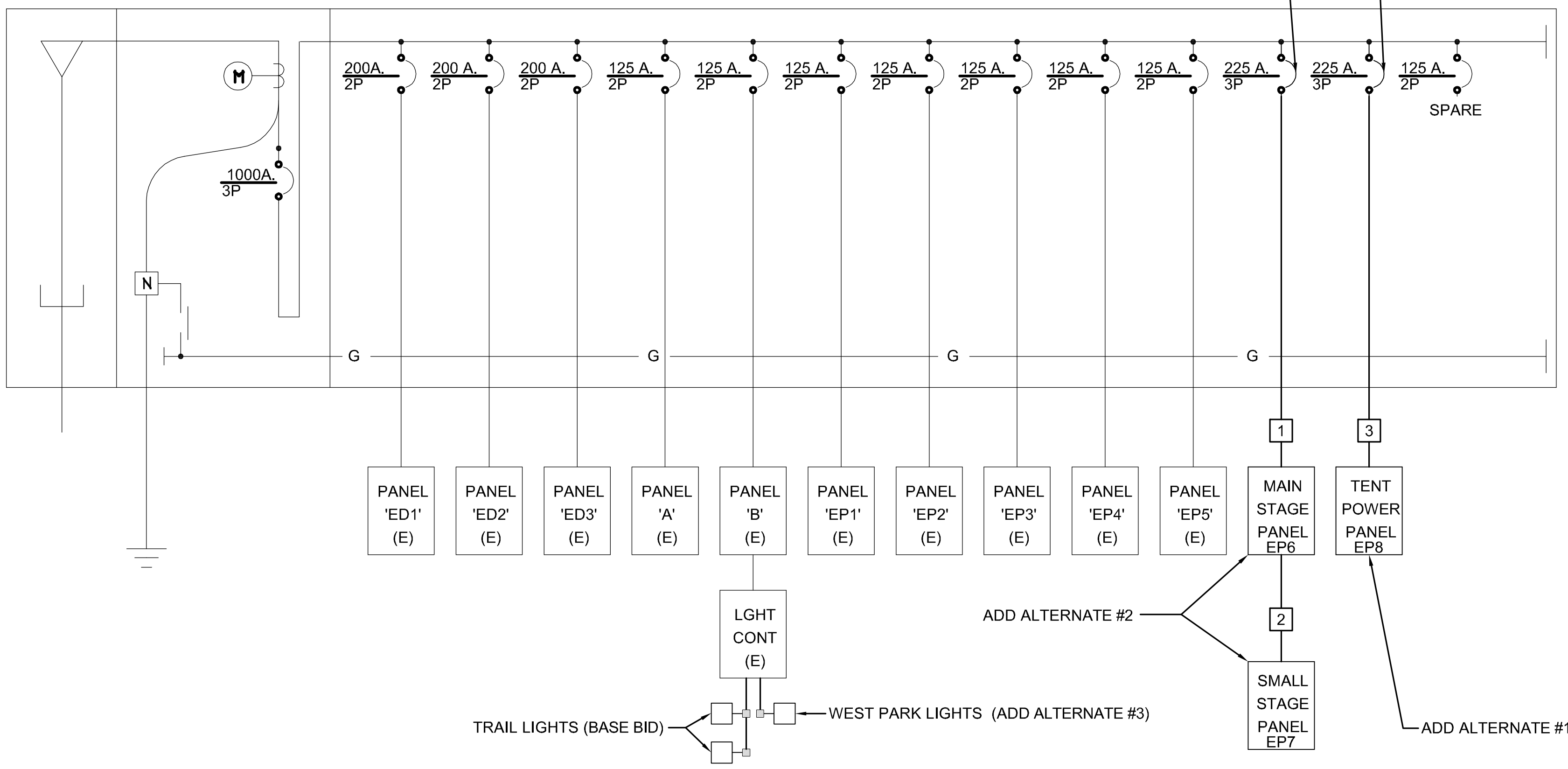
SYM	DESCRIPTION & MANUFACTURER	LAMPS	VOLTS
A 60	POLE MOUNTED CUTOFF LED FIXTURE W/ VANDAL GUARD FIXTURE - LITHONIA LIGHTING #KAD LED1 49B350/40K SR2 MVOLT SPD04 VG DDBXD POLE - SSS15 4-5B DM19	FURNISHED W/ UNIT	208
A1	DELETED		
B 60	POLE MOUNTED CUTOFF LED FIXTURES W/ VANDAL GUARD FIXTURE - LITHONIA LIGHTING #KAD LED1 49B350/40K SR4 MVOLT SPD04 VG DDBXD POLE - SSS15 4-5B DM19	FURNISHED W/ UNIT	208
C 120	TWO POLE MOUNTED CUTOFF LED FIXTURE AT 90° ANGLE W/ VANDAL GUARD FIXTURE - LITHONIA LIGHTING #KAD LED1 49B350/40K SR4 MVOLT SPD04 VG DDBXD POLE - SSS15 4-5B DM29	FURNISHED W/ UNIT	208
D 110	POLE MOUNTED CUTOFF LED FIXTURE W/ VANDAL GUARD FIXTURE - LITHONIA LIGHTING #KAD LED1 63B530/40K SR4 MVOLT SPD04 VG DDBXD POLE - SSS25 4-5B DM19	FURNISHED W/ UNIT	208
E 75	EXISTING POLE MOUNTED CUTOFF LED FIXTURE W/ VANDAL GUARD FIXTURE - LITHONIA LIGHTING #KAD LED1 63B350/40K SR3 MVOLT SPD04 VG DDBXD	FURNISHED W/ UNIT	208
F 110	EXISTING POLE MOUNTED CUTOFF LED FIXTURE W/ VANDAL GUARD FIXTURE - LITHONIA LIGHTING #KAD LED1 63B530/40K SR3 MVOLT SPD04 VG DDBXD	FURNISHED W/ UNIT	208
G 70	WALL MOUNTED LED FIXTURE W/ VANDAL GUARD FIXTURE - LITHONIA LIGHTING #CSXW LED 30C 700 40K T3M MVOLT BBW DDBXD VG	FURNISHED W/ UNIT	120

**FEEDER SCHEDULE**

NO.	FROM	TO	CONDUIT & WIRE THWN U.N.O.	CU.	AL.
1	DISTRIBUTION BD	PNL 'EP6'	4 #300, #4 GND, 3" C	X	
2	PNL 'EP6'	PNL 'EP7'	4 #2, #4 GND, 2" C.	X	
3	DISTRIBUTION BD	PNL 'EP8'	4 #500, #6 GND, 3" C	X	

REPLACE 2P BREAKERS WITH 3P BREAKERS. (4) SPARE 2P BREAKERS IN EXISTING SWITCHBOARD.

(E) DISTRIBUTION SWITCHBOARD (GENERAL ELECTRIC SPECTRA SERIES) 120/208V, 3Ø, 4W, 1000 AMP BUSS, 22,000 AIC



**2 SINGLE LINE DIAGRAM**  
E1.1 NO SCALE

**ELECTRICAL LOAD CALCULATIONS**

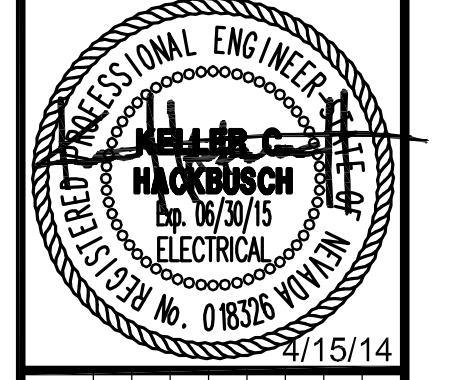
PANEL	LIGHTING TRACK PER FT	LIGHTING INTERIOR	LIGHTING EXTERIOR	RECEPTS. & MISC.	HVAC	KITCHEN	ELEV. EQUIP.	TOTAL
ED1	0	0	0	37040	0	0	0	37040
ED2	0	0	0	37040	0	0	0	37040
ED3	0	0	0	37040	0	0	0	37040
A	0	0	0	10900	0	0	0	10900
B	0	0	4710	1640	9060	0	0	15410
EP1	0	0	0	17840	0	0	0	17840
EP2	0	0	0	17840	0	0	0	17840
EP3	0	0	0	17840	0	0	0	17840
EP4	0	0	0	17840	0	0	0	17840
EP5	0	0	0	17840	0	0	0	17840
EP6	0	0	0	43200	0	0	0	43200
EP8	0	0	0	43200	0	0	0	43200
TOTALS:	0	0	4710	299260	9060	0	0	313030
DEMAND FACTOR PER N.E.C.	150 W. EVERY 2 FT AS PER NEC 220-43(B)	125%	125%	1st 10kW @100% REST @50%	125%	65%	85% AS PER NEC 430-22(E)	
DEMAND LOAD	0	0	5888	154630	11325	0	0	171843
171843 VA @ 208 VOLTS, 3 PHASE=					477 AMPS			
25% SAFETY =					119 AMPS			
TOTAL AMPS =					597 AMPS			
CALCULATIONS BASED ON NEC 220, UNLESS NOTED OTHERWISE								

FOR BIDDING PURPOSES ONLY

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385 Gentry Way  
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Ph: 775.826.4044  
Fax: 775.826.4190  
Web: dinter.com  
J-4447

DESIGNED BY: MWB  
DRAWN BY: MWB  
CHECKED BY: ERG  
DWG NO.: 4447.E0.3.DWG  
SCALE (HORIZ): PER PLAN  
SCALE (VERT): PER PLAN  
PLOT DATE: 4/21/14

**CARSON CITY PARKS AND RECREATION**  
3303 BUTTI WAY CARSON CITY, NEVADA 89701  
PH: 887-2262 FAX: 887-2145



REV.	DATE	DESCRIPTION	BY	APP'D
A	4/15/14	PARKS DEPARTMENT COMMENTS		
B	4/15/14	BUILDING DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX ELECTRICAL IMPROVEMENTS PROJECT No. 1.1407**  
**LIGHT FIXTURE SCHEDULE AND ADD ALTERNATES**

EXISTING

PANEL BOARD		B			22KA1C					
DIRECTORY	LOAD	BKR	CIR		CIR	BKR	LOAD	DIRECTORY		
(E) ENCLOSURE	240	20/1	1	A	2	20	110	(E) PARKING LOT 1A		
(E) TIME CLOCK	500		3	B	4	2	110			
(E) POLE OUTLET	540		5	C	6	20	165	(E) PARKING LOT 1B		
(E) RAMADA OUTLET	360		7	A	8	2	165			
(E) RAMADA LIGHT	110		9	B	10	20	150	(E) WALKWAY LIGHTS		
(E) TELEPHONE	180		11	C	12	2	150			
(E) SEWAGE PUMP	800	20	13	A	14	20	1620	TRAIL LIGHTS		
	800		15	B	16	2	1620			
	800	3	17	C	18	20	165	WEST PARK LIGHTS		
(E) HEAT TAPE (WATER)	500	20/1	19	A	20	2	165			
(E) HEAT TAPE (WATER)	500		21	B	22	20	-	FUTURE LIGHTS		
(E) PORT-A-SHOWER	1500		23	C	24	2	-			
SPARE	-	20/1	25	A	26	-	-	SPACE		
SCADA	2080	30	27	B	28	-	-			
	2080	2	29	C	30					

- ← ADD ALTERNATE #3 & #4 (LOADS SHOWN ARE REDUCED AS PER THESE ALTERNATES)
- ← ADD ALTERNATE #3 & #4 (LOADS SHOWN ARE REDUCED AS PER THESE ALTERNATES)
- ← ADD ALTERNATE #4 (LOADS SHOWN ARE REDUCED AS PER THIS ALTERNATE)
- ← BASE BID
- ← ADD ALTERNATE #2

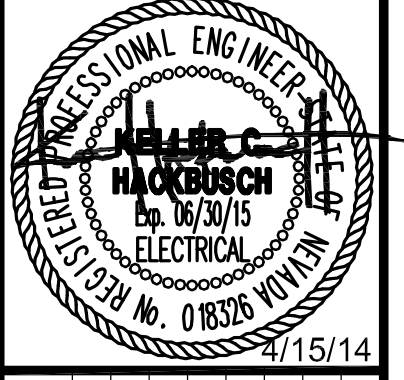
PANEL BOARD		EP6			NEMA 3R					
DIRECTORY	LOAD	BKR	CIR		CIR	BKR	LOAD	DIRECTORY		
PNL EP7	7200	50	1	A	2	50	7200	RECEPTACLE		
	7200		3	B	4	50	7200			
	7200	3	5	C	6	50	7200	RECEPTACLE		
SPACE	-		7	A	8	2	7200			
			9	B	10	-	-	SPACE		
			11	C	12					
			13	A	14					
			15	B	16					
			17	C	18					
			19	A	20					
			21	B	22					
			23	C	24					
			25	A	26					
			27	B	28					
			29	C	30					

PANEL BOARD		EP7			NEMA 3R					
DIRECTORY	LOAD	BKR	CIR		CIR	BKR	LOAD	DIRECTORY		
SPACE	-		1	A	2	-	-	SPACE		
RECEPTACLE	7200	50	3	B	4	-	-			
	7200	2	5	C	6	-	-			
SPACE	-		7	A	8	-	-			
			9	B	10	-	-			
			11	C	12	-	-			

PANEL BOARD		EP8			NEMA 3R					
DIRECTORY	LOAD	BKR	CIR		CIR	BKR	LOAD	DIRECTORY		
RECEPTACLE	7200	50	1	A	2	-	-	SPACE		
	7200	2	3	B	4	-	-			
RECEPTACLE	7200	50	5	C	6	-	-			
	7200	2	7	A	8	-	-			
RECEPTACLE	7200	50	9	B	10	-	-			
	7200	3	11	C	12	-	-			
SPACE	-		13	A	14	-	-			
			15	B	16	-	-			
			17	C	18	-	-			
			19	A	20	-	-			
			21	B	22	-	-			
			23	C	24	-	-			
			25	A	26	-	-			
			27	B	28	-	-			
			29	C	30	-	-			

DESIGNED BY: MMB  
 DRAWN BY: MMB  
 CHECKED BY: ERG  
 DWG NO.: 4447 E0.4.DWG  
 SCALE (HORIZ): PER PLAN  
 SCALE (VERT): PER PLAN  
 PLOT DATE: 4/21/14

**CARSON CITY  
 PARKS AND RECREATION**  
 3303 BUTTI WAY CARSON CITY, NEVADA 89701  
 PH: 887-2262 FAX: 887-2145



REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

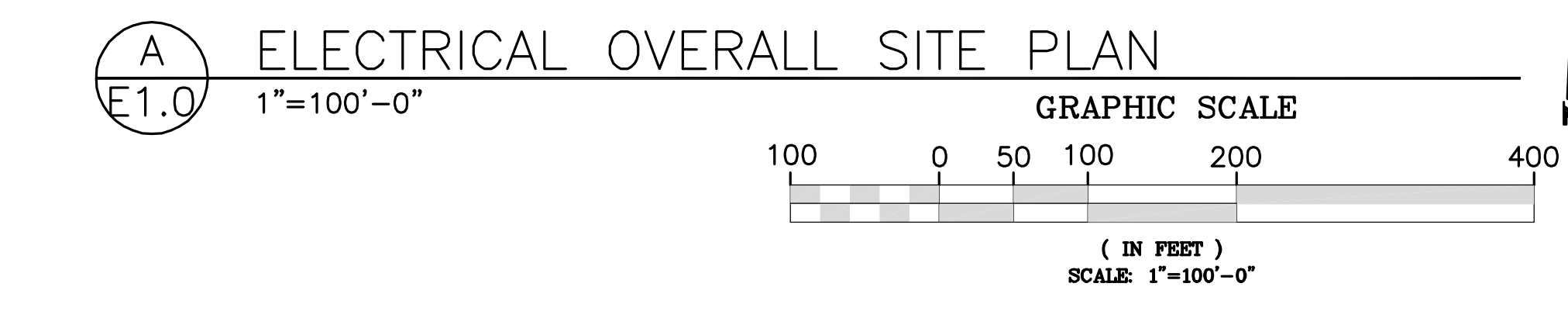
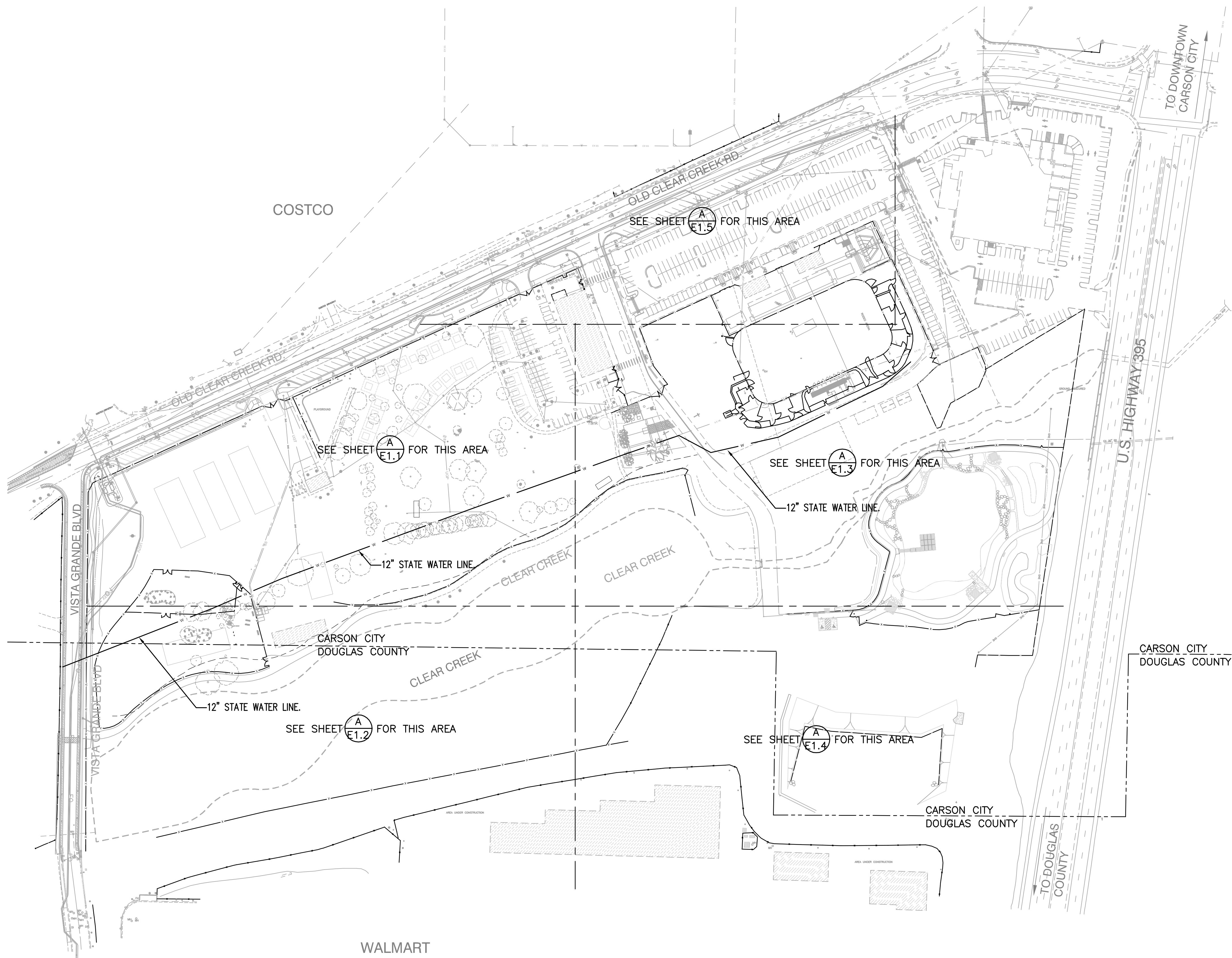
**FAIRGROUNDS/FUJI PARK COMPLEX  
 ELECTRICAL IMPROVEMENTS  
 PROJECT No. 1.1407**  
**PANEL  
 SCHEDULES**

FOR BIDDING  
 PURPOSES  
 ONLY



SHEET  
**E0.4**  
 OF

PERMIT 14-321



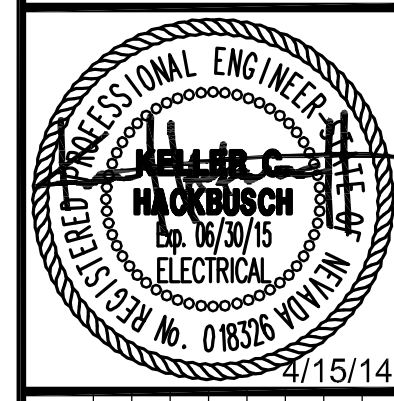
**FOR BIDDING  
 PURPOSES  
 ONLY**

  
**DINTER**  
 Airfield Electrical Mechanical  
 385 Gentry Way  
 Reno, NV 89502  
 Ph: 775.826.4044  
 Fax: 775.826.4190  
 Web: dinter.com  
 J-4447

**FAIRGROUNDS/FUJI PARK COMPLEX  
 ELECTRICAL IMPROVEMENTS  
 PROJECT No. 1.1407  
 ELECTRICAL OVERALL  
 SITE PLAN**

SHEET  
**E1.0**  
 OF

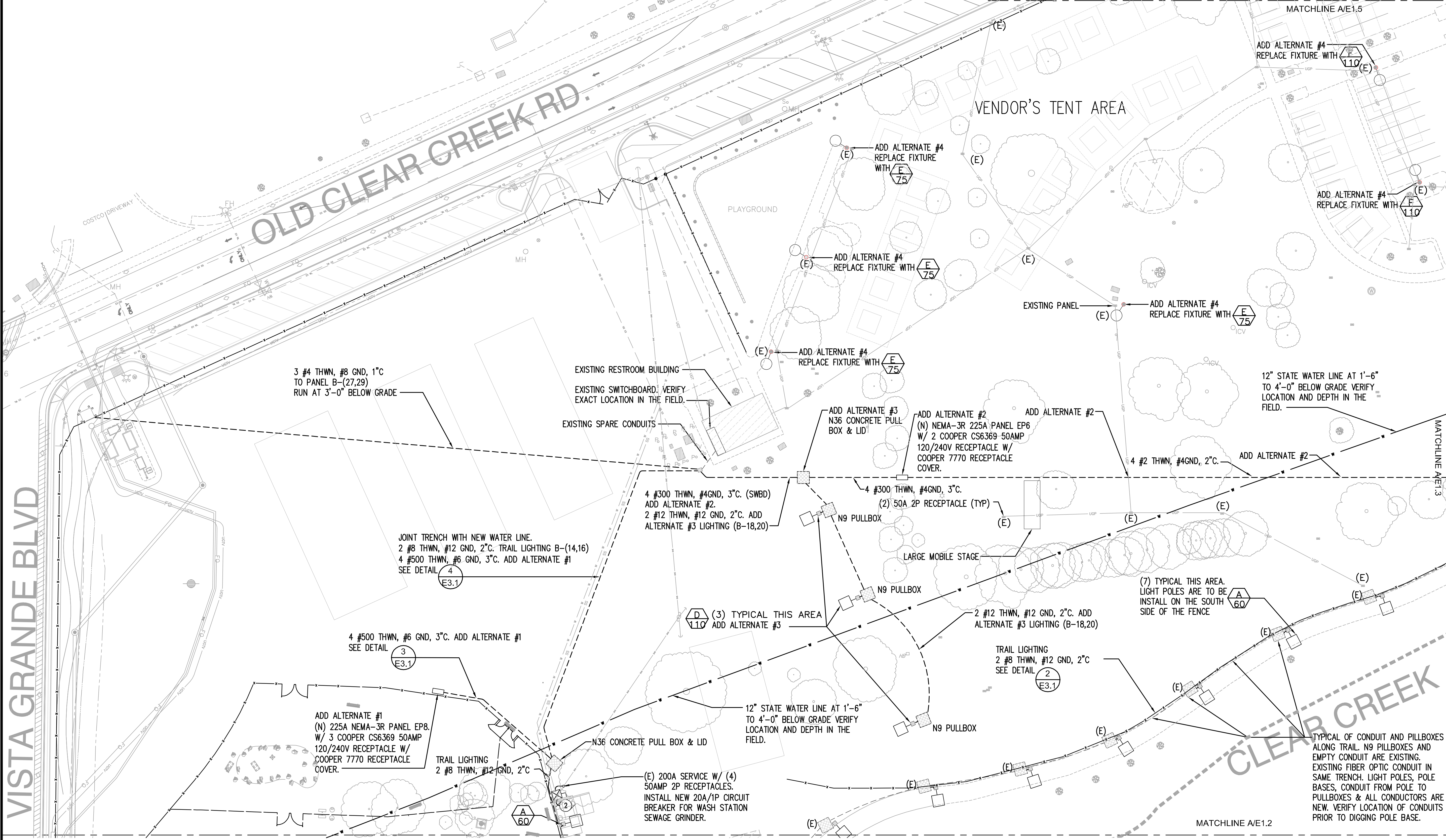
REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		



**CARSON CITY  
 PARKS AND RECREATION**  
 3303 BUTTI WAY CARSON CITY, NEVADA 89701  
 PH: 887-2262 FAX: 887-2145

DESIGNED BY: MMB  
 DRAWN BY: MMB  
 CHECKED BY: ERG  
 DWG NO.: 4447 E1.0.DWG  
 SCALE (HORIZ): PER PLAN  
 SCALE (VERT): PER PLAN  
 PLOT DATE: 4/21/14

PERMIT 14-321



VISTA GRANDE BLVD

OLD CLEAR CREEK RD.

VENDOR'S TENT AREA

PLAYGROUND

EXISTING RESTROOM BUILDING  
EXISTING SWITCHBOARD. VERIFY EXACT LOCATION IN THE FIELD.  
EXISTING SPARE CONDUITS

LARGE MOBILE STAGE

CLEAR CREEK

3 #4 THWN, #8 GND, 1°C TO PANEL B-(27,29) RUN AT 3'-0" BELOW GRADE

JOINT TRENCH WITH NEW WATER LINE. 2 #8 THWN, #12 GND, 2°C. TRAIL LIGHTING B-(14,16) 4 #500 THWN, #6 GND, 3°C. ADD ALTERNATE #1 SEE DETAIL (E)3.1

4 #500 THWN, #6 GND, 3°C. ADD ALTERNATE #1 SEE DETAIL (E)3.1

ADD ALTERNATE #1 (N) 225A NEMA-3R PANEL EP8, W/ 3 COOPER CS6369 50AMP 120/240V RECEPTACLE W/ COOPER 7770 RECEPTACLE COVER.

TRAIL LIGHTING 2 #8 THWN, #12 GND, 2°C

N36 CONCRETE PULL BOX & LID

(E) 200A SERVICE W/ (4) 50AMP 2P RECEPTABLES. INSTALL NEW 20A/1P CIRCUIT BREAKER FOR WASH STATION SEWAGE GRINDER.

4 #300 THWN, #4GND, 3°C. (SWBD) ADD ALTERNATE #2. 2 #12 THWN, #12 GND, 2°C. ADD ALTERNATE #3 LIGHTING (B-18,20)

ADD ALTERNATE #3 N36 CONCRETE PULL BOX & LID  
ADD ALTERNATE #2 (N) NEMA-3R 225A PANEL EP6 W/ 2 COOPER CS6369 50AMP 120/240V RECEPTACLE W/ COOPER 7770 RECEPTACLE COVER.

4 #300 THWN, #4GND, 3°C. (2) 50A 2P RECEPTACLE (TYP)

ADD ALTERNATE #2

2 #12 THWN, #12 GND, 2°C. ADD ALTERNATE #3 LIGHTING (B-18,20)

TRAIL LIGHTING 2 #8 THWN, #12 GND, 2°C SEE DETAIL (E)3.1

N9 PULLBOX

N9 PULLBOX

(D) (3) TYPICAL THIS AREA ADD ALTERNATE #3

(7) TYPICAL THIS AREA. LIGHT POLES ARE TO BE INSTALL ON THE SOUTH SIDE OF THE FENCE

12" STATE WATER LINE AT 1'-6" TO 4'-0" BELOW GRADE VERIFY LOCATION AND DEPTH IN THE FIELD.

12" STATE WATER LINE AT 1'-6" TO 4'-0" BELOW GRADE VERIFY LOCATION AND DEPTH IN THE FIELD.

ADD ALTERNATE #4 REPLACE FIXTURE WITH (E)75

ADD ALTERNATE #4 REPLACE FIXTURE WITH (E)75

ADD ALTERNATE #4 REPLACE FIXTURE WITH (E)75

ADD ALTERNATE #4 REPLACE FIXTURE WITH (E)75

ADD ALTERNATE #4 REPLACE FIXTURE WITH (E)110

ADD ALTERNATE #4 REPLACE FIXTURE WITH (E)110

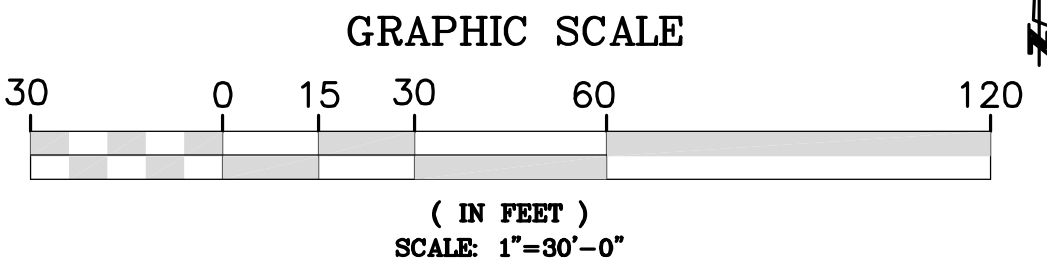
EXISTING PANEL (E)

MATCHLINE A/E1.5

MATCHLINE A/E1.3

MATCHLINE A/E1.2

(A) ELECTRICAL SECTION A SITE PLAN  
E1.1 1"=30'-0"

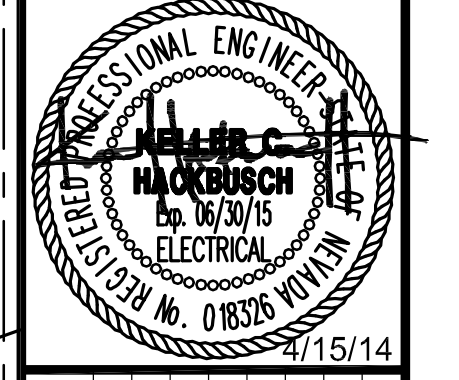


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Reno, NV 89502  
Ph: 775.826.4044  
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Web: dinter.com  
J-4447

DESIGNED BY:	MWB
DRAWN BY:	MWB
CHECKED BY:	ERG
DWG NO.:	4447 E1.1.DWG
SCALE (HORIZ):	PER PLAN
SCALE (VERT):	PER PLAN
PLOT DATE:	4/21/14

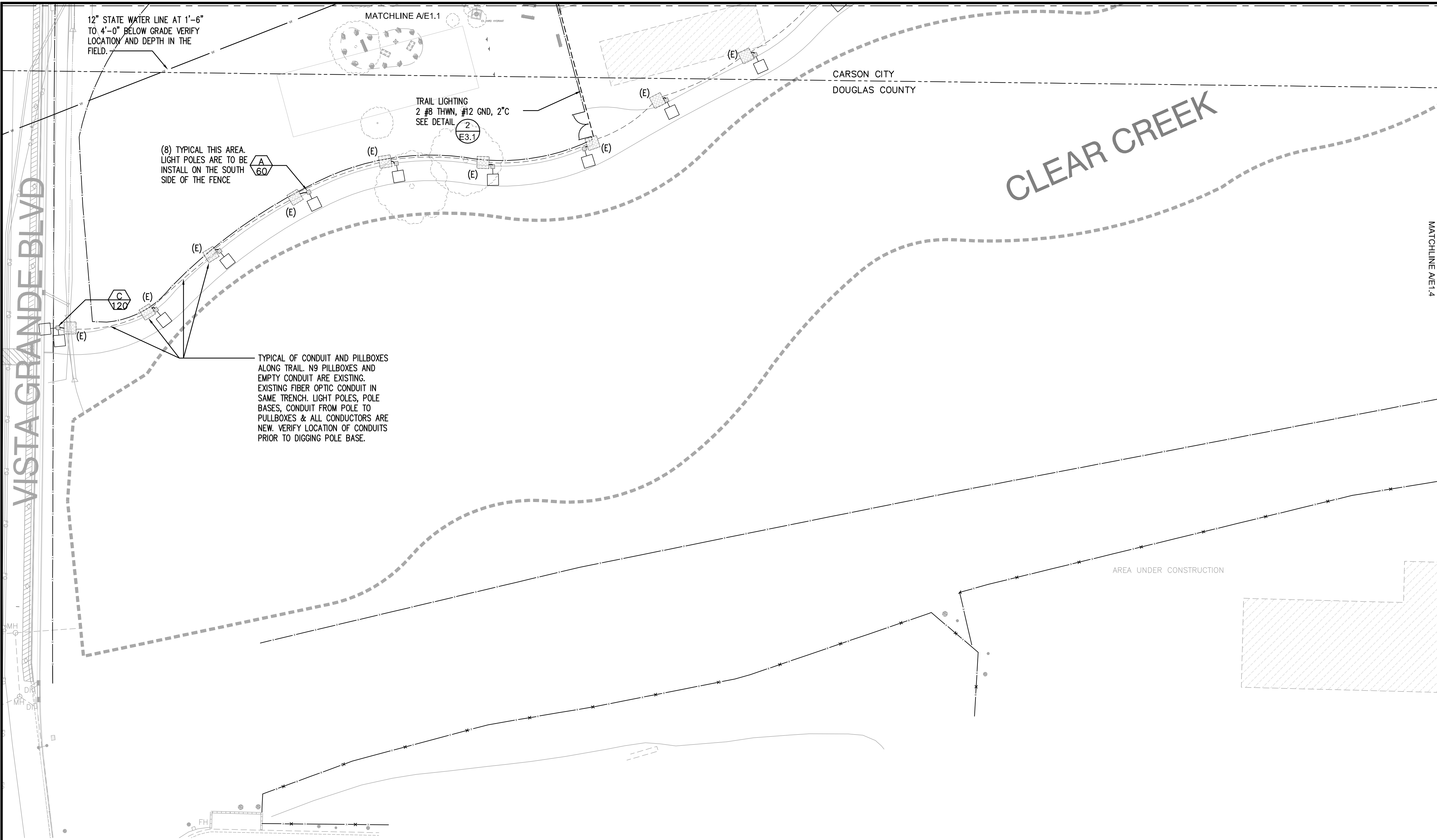
**CARSON CITY PARKS AND RECREATION**  
3303 BUTTI WAY CARSON CITY, NEVADA 89701  
PH: 887-2262 FAX: 887-2145



REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		
2	4/15/14	BUILDING DEPARTMENT COMMENTS		

FAIRGROUNDS/FUJI PARK COMPLEX  
ELECTRICAL IMPROVEMENTS  
PROJECT No. 1.1407  
ELECTRICAL SECTION A  
SITE PLAN

PERMIT 14-321



12" STATE WATER LINE AT 1'-6" TO 4'-0" BELOW GRADE VERIFY LOCATION AND DEPTH IN THE FIELD.

MATCHLINE A/E1.1

CARSON CITY  
DOUGLAS COUNTY

CLEAR CREEK

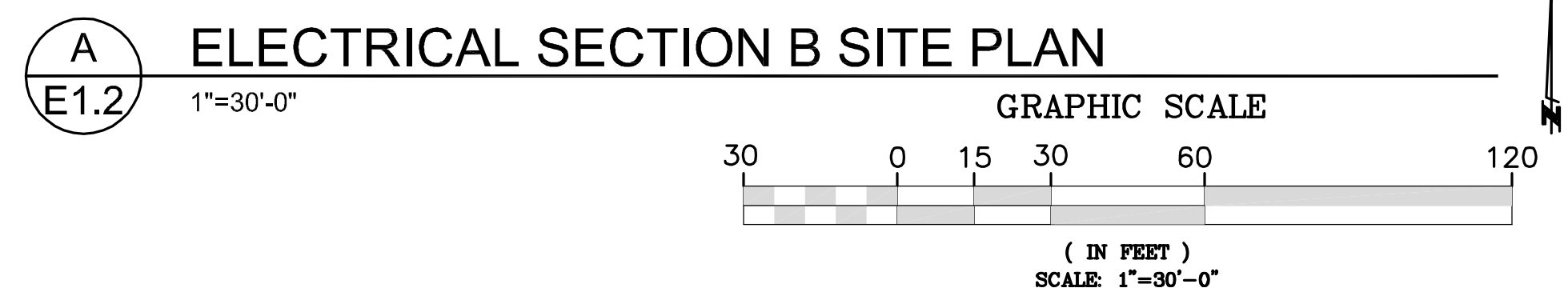
(8) TYPICAL THIS AREA. LIGHT POLES ARE TO BE INSTALLED ON THE SOUTH SIDE OF THE FENCE

TRAIL LIGHTING  
2 #8 THWN, #12 GND, 2"C  
SEE DETAIL

TYPICAL OF CONDUIT AND PULLBOXES ALONG TRAIL. N9 PULLBOXES AND EMPTY CONDUIT ARE EXISTING. EXISTING FIBER OPTIC CONDUIT IN SAME TRENCH. LIGHT POLES, POLE BASES, CONDUIT FROM POLE TO PULLBOXES & ALL CONDUCTORS ARE NEW. VERIFY LOCATION OF CONDUITS PRIOR TO DIGGING POLE BASE.

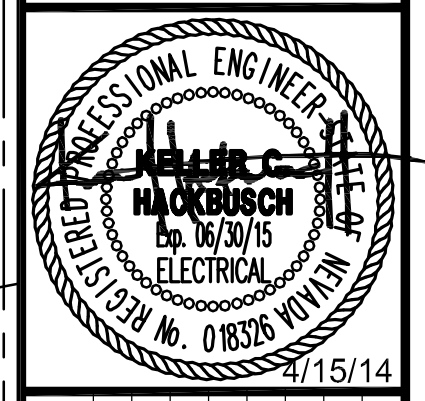
VISTA GRANDE BLVD

MATCHLINE A/E1.4



DESIGNED BY: MMWB  
DRAWN BY: MMWB  
CHECKED BY: ERG  
DWG NO.: 4447 E1.2.DWG  
SCALE (HORIZ): PER PLAN  
SCALE (VERT): PER PLAN  
PLOT DATE: 4/21/14

**CARSON CITY  
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REV	DATE	DESCRIPTION	BY	APP'D
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**FAIRGROUNDS/FUJI PARK COMPLEX  
ELECTRICAL IMPROVEMENTS  
PROJECT No. 1.1407**  
**ELECTRICAL  
SECTION B  
SITE PLAN**

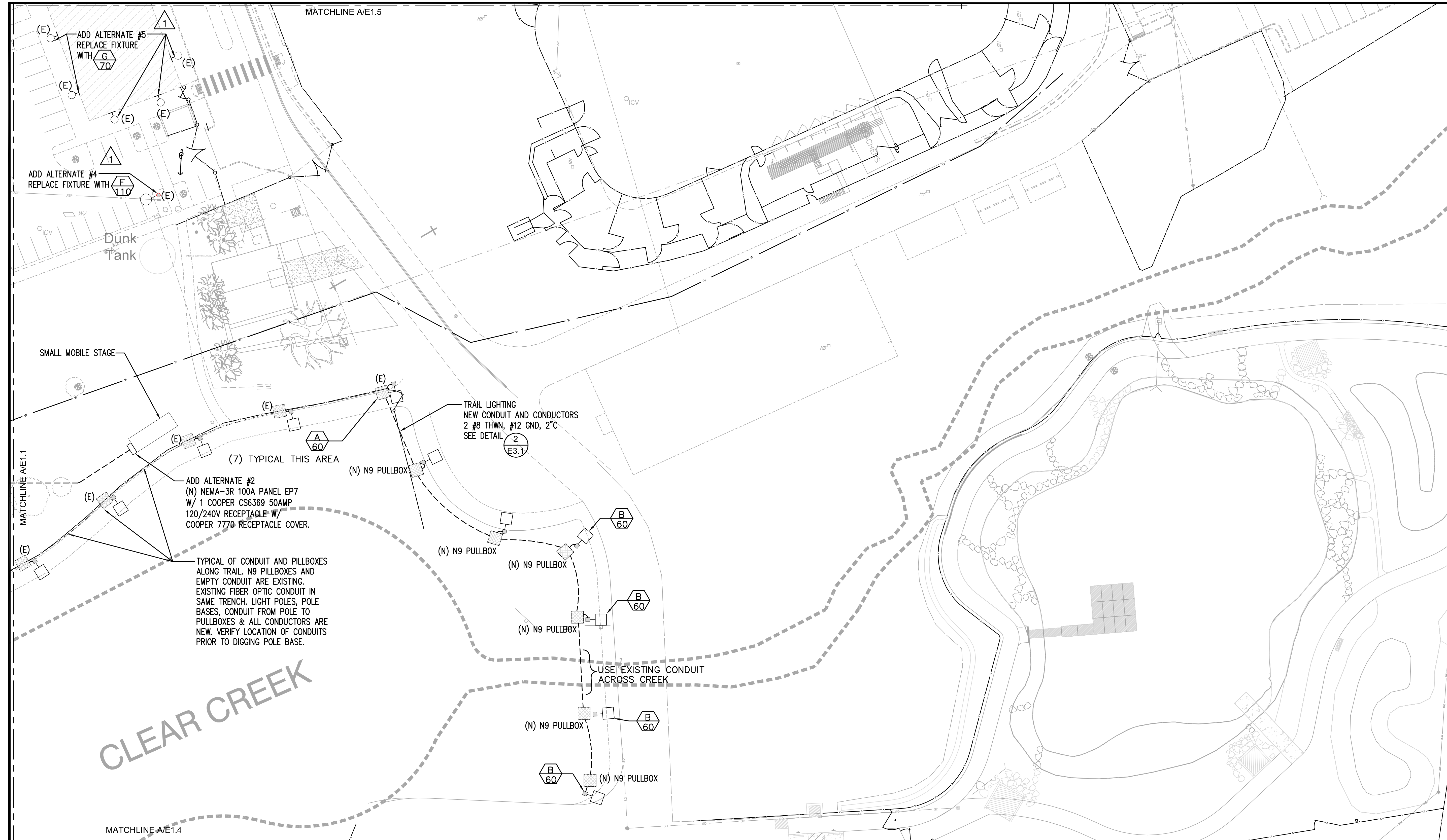
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SHEET  
**E1.2**  
OF

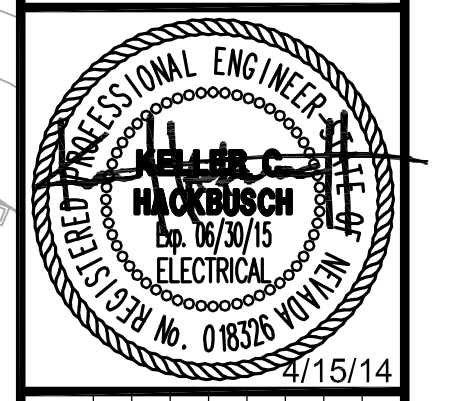
PERMIT 14-321





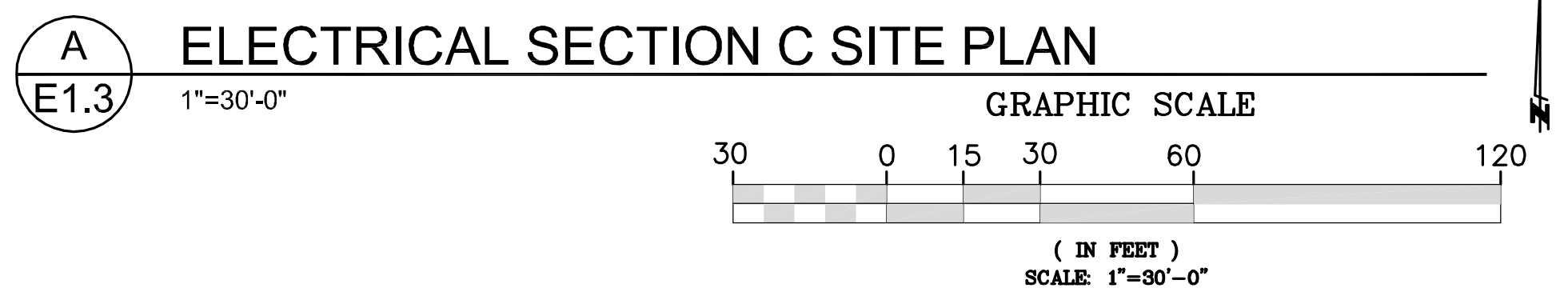
DESIGNED BY: MMB  
 DRAWN BY: MMB  
 CHECKED BY: ERG  
 DWG NO.: 4447 E1.3.DWG  
 SCALE (HORIZ): PER PLAN  
 SCALE (VERT): PER PLAN  
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REV	DATE	DESCRIPTION	BY	APP'D
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**FAIRGROUNDS/FUJI PARK COMPLEX  
 ELECTRICAL IMPROVEMENTS  
 PROJECT No. 1.1.407**  
**ELECTRICAL  
 SECTION C  
 SITE PLAN**

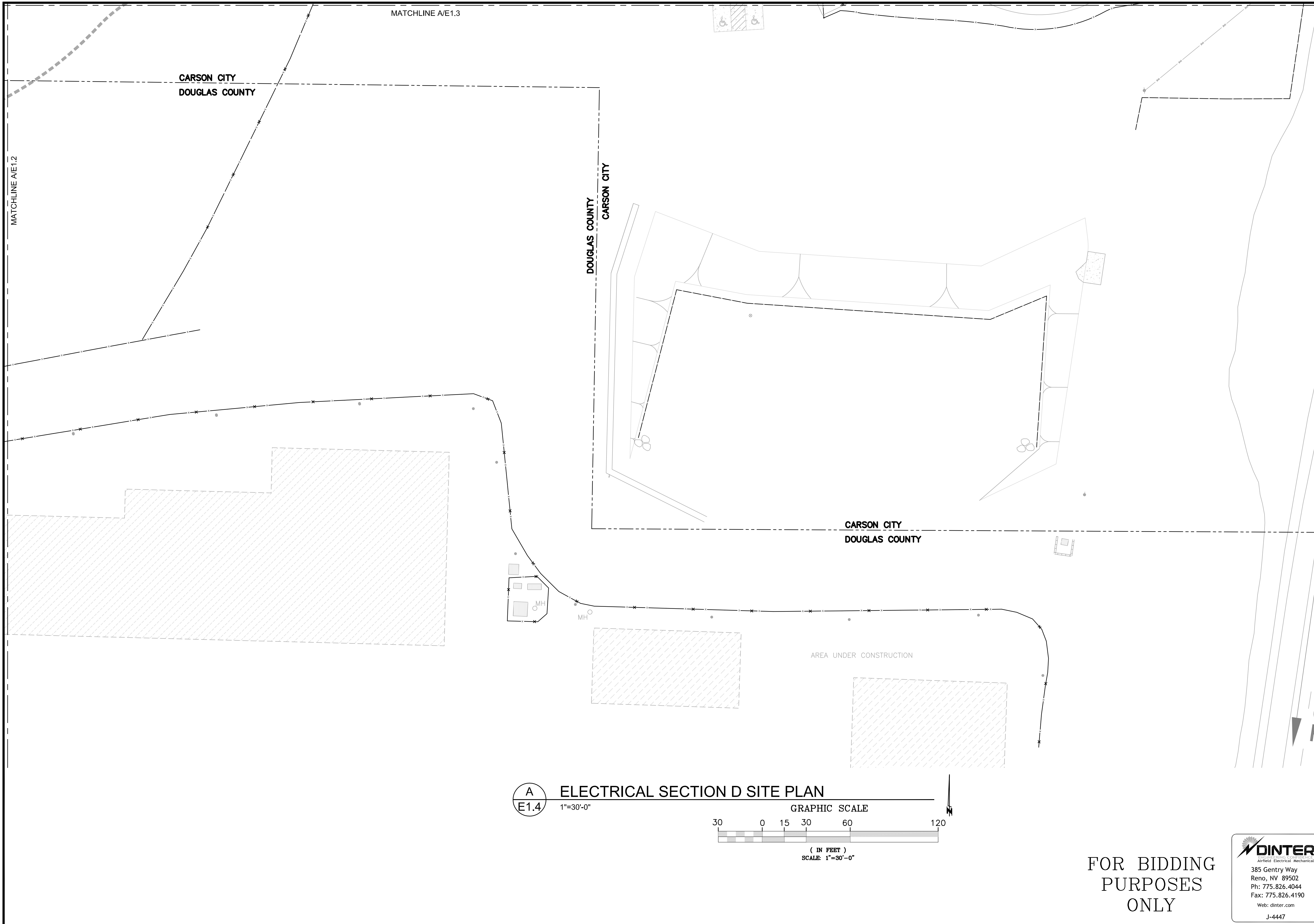


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 385 Gentry Way  
 Reno, NV 89502  
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 Fax: 775.826.4190  
 Web: dinter.com  
 J-4447

SHEET  
**E1.3**  
 OF

PERMIT 14-321



MATCHLINE A/E1.3

CARSON CITY  
DOUGLAS COUNTY

MATCHLINE A/E1.2

DOUGLAS COUNTY  
CARSON CITY

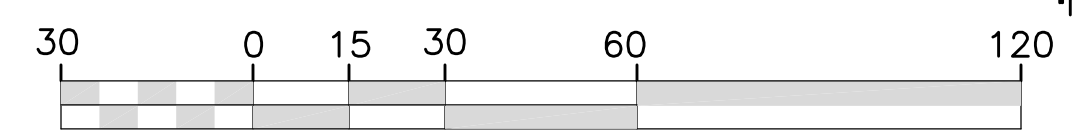
CARSON CITY  
DOUGLAS COUNTY

AREA UNDER CONSTRUCTION

**A**  
**E1.4** ELECTRICAL SECTION D SITE PLAN

1"=30'-0"

GRAPHIC SCALE



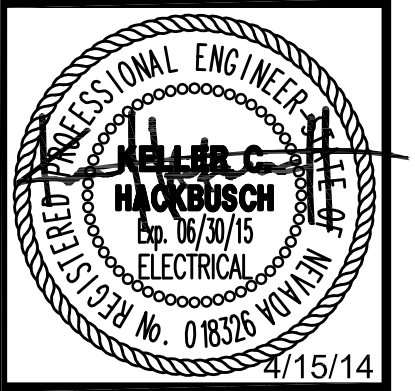
( IN FEET )  
SCALE: 1"=30'-0"

FOR BIDDING  
PURPOSES  
ONLY

**DINTER**  
 Allied Electrical Mechanical  
 385 Gentry Way  
 Reno, NV 89502  
 Ph: 775.826.4044  
 Fax: 775.826.4190  
 Web: dinter.com  
 J-4447

DESIGNED BY:	MMB
DRAWN BY:	MMB
CHECKED BY:	ERG
DWG NO.:	4447 E1.4.DWG
SCALE (HORIZ):	PER PLAN
SCALE (VERT):	PER PLAN
PLOT DATE:	4/21/14

**CARSON CITY  
PARKS AND RECREATION**  
 3303 BUTTI WAY CARSON CITY, NEVADA 89701  
 PH: 887-2262 FAX: 887-2145

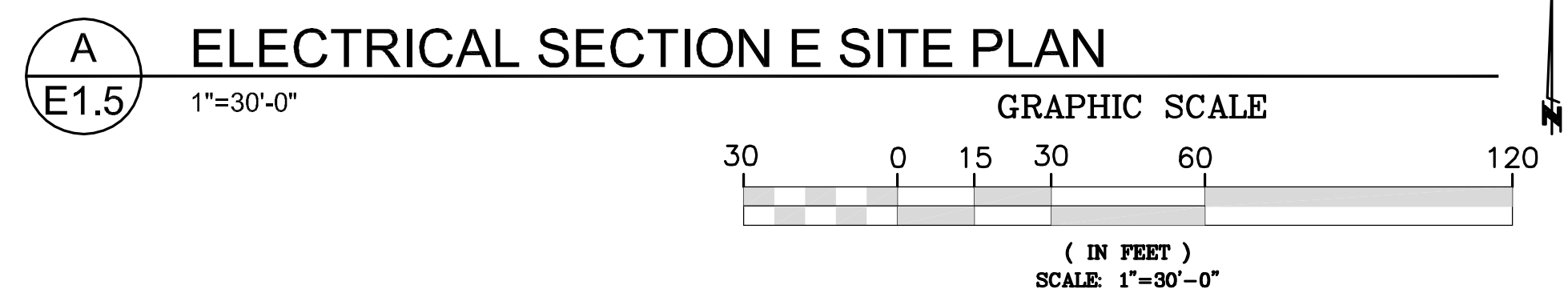
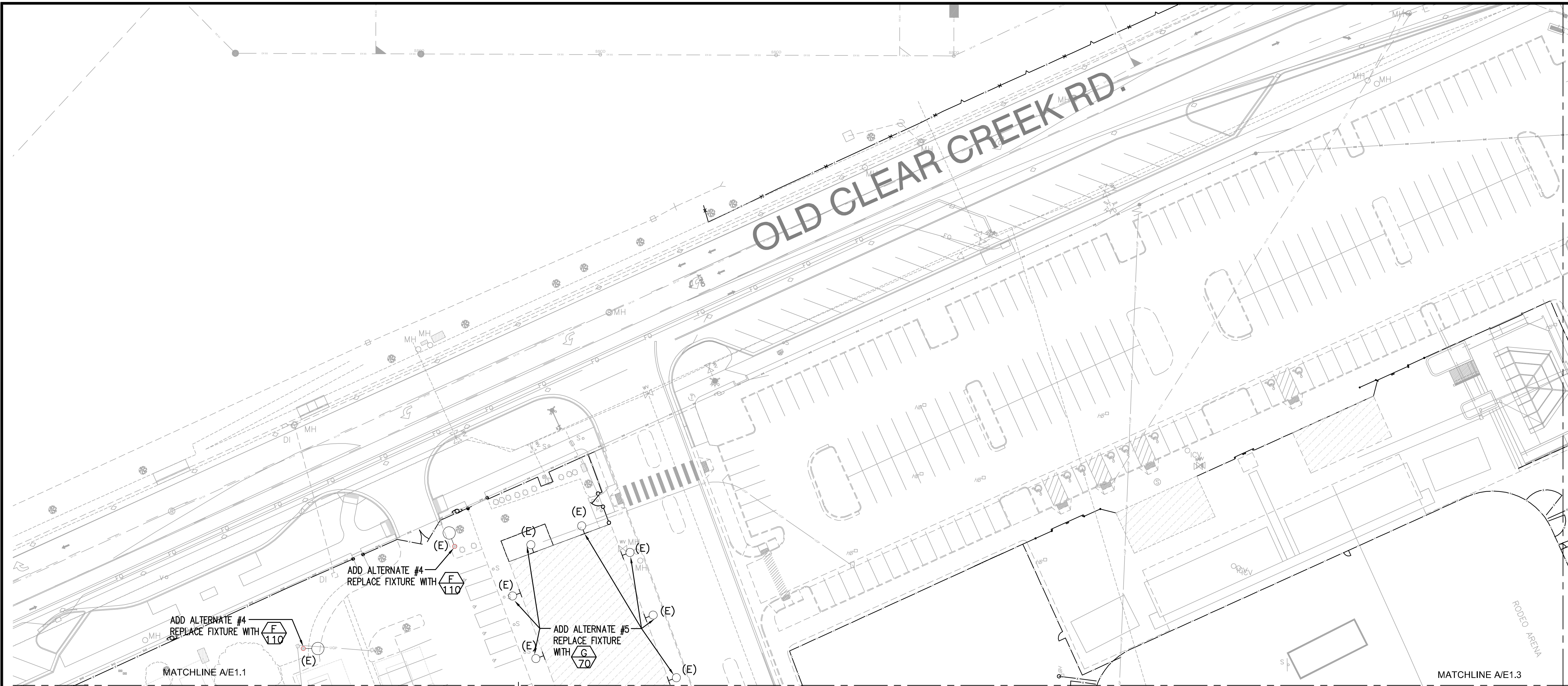


REV	DATE	DESCRIPTION	BY
Δ	4/15/14	PARKS DEPARTMENT COMMENTS	APP'D

**FAIRGROUNDS/FUJI PARK COMPLEX  
ELECTRICAL IMPROVEMENTS  
PROJECT No. 1.1407  
ELECTRICAL  
SECTION D  
SITE PLAN**

SHEET  
**E1.4**  
OF

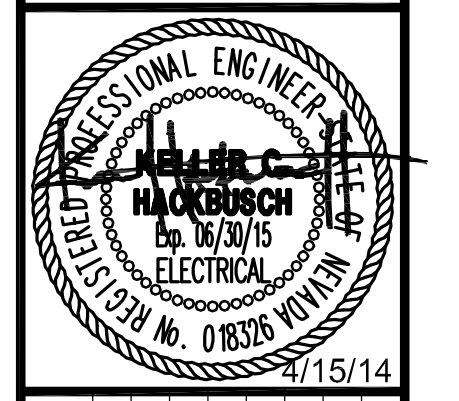
PERMIT 14-321



DESIGNED BY: MWB  
 DRAWN BY: MWB  
 CHECKED BY: ERG  
 DWG NO.: 4447 E1.5.DWG  
 SCALE (HORIZ): PER PLAN  
 SCALE (VERT): PER PLAN  
 PLOT DATE: 4/21/14

**CARSON CITY  
 PARKS AND RECREATION**

3303 BUTTI WAY CARSON CITY, NEVADA 89701  
 PH: 887-2262 FAX: 887-2145



REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX  
 ELECTRICAL IMPROVEMENTS  
 PROJECT No. 1.1407**

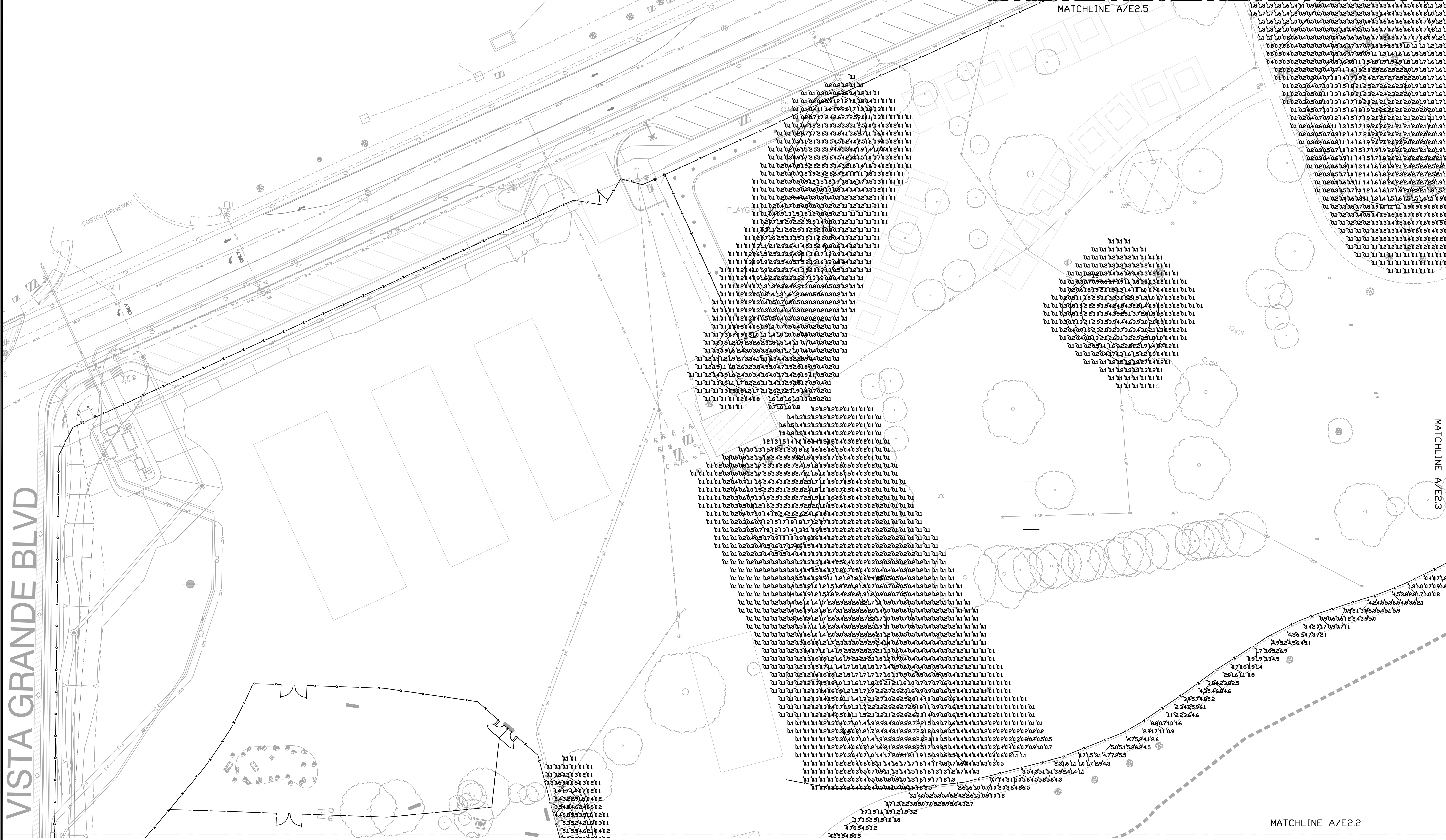
**ELECTRICAL  
 SECTION E  
 SITE PLAN**

**FOR BIDDING  
 PURPOSES  
 ONLY**

**DINTER**  
 Airfield Electrical Mechanical  
 385 Gentry Way  
 Reno, NV 89502  
 Ph: 775.826.4044  
 Fax: 775.826.4190  
 Web: dinter.com  
 J-4447

SHEET  
**E1.5**  
 OF

PERMIT 14-321



VISTA GRANDE BLVD

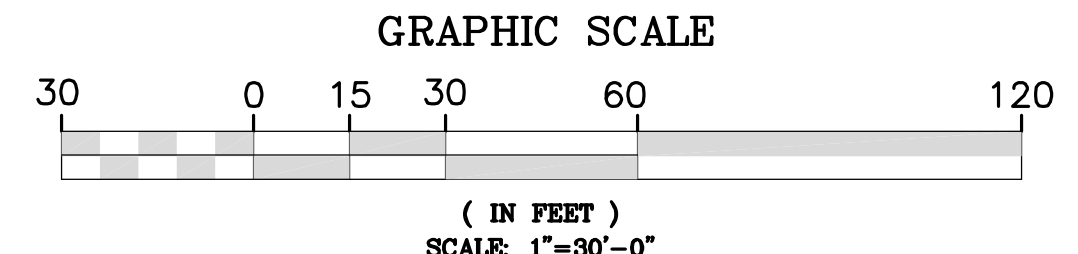
MATCHLINE A/E2.5

MATCHLINE A/E2.3

MATCHLINE A/E2.2

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Center Parking Lot	+	1.3 fc	8.3 fc	0.1 fc	83.0:1	13.0:1
East Dog Park	+	1.1 fc	7.0 fc	0.1 fc	70.0:1	11.0:1
Park Center	+	1.0 fc	5.2 fc	0.1 fc	52.0:1	10.0:1
Park West	+	0.8 fc	3.4 fc	0.1 fc	34.0:1	8.0:1
Playground	+	1.0 fc	5.3 fc	0.1 fc	53.0:1	10.0:1
South Walkway	+	3.2 fc	8.8 fc	0.1 fc	88.0:1	32.0:1
SouthEast Roadway	+	0.8 fc	5.5 fc	0.1 fc	55.0:1	8.0:1

**(A) ELECTRICAL SECTION A PHOTOMETRIC PLAN**  
 1"=30'-0"



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 385 Gentry Way  
 Reno, NV 89502  
 Ph: 775.826.4044  
 Fax: 775.826.4190  
 Web: dinter.com  
 J-4447

DESIGNED BY: NWB  
 DRAWN BY: NWB  
 CHECKED BY: ERG  
 DWG. NO.: 4447 E2.1.DWG  
 SCALE (HORIZ): PER PLAN  
 SCALE (VERT): PER PLAN  
 PLOT DATE: 4/21/14

**CARSON CITY PARKS AND RECREATION**  
 3303 BUTTI WAY CARSON CITY, NEVADA 89701  
 PH: 887-2262 FAX: 887-2145

PROFESSIONAL ENGINEER  
**HACKBUSCH**  
 No. 063015  
 ELECTRICAL  
 No. 08326  
 4/15/14

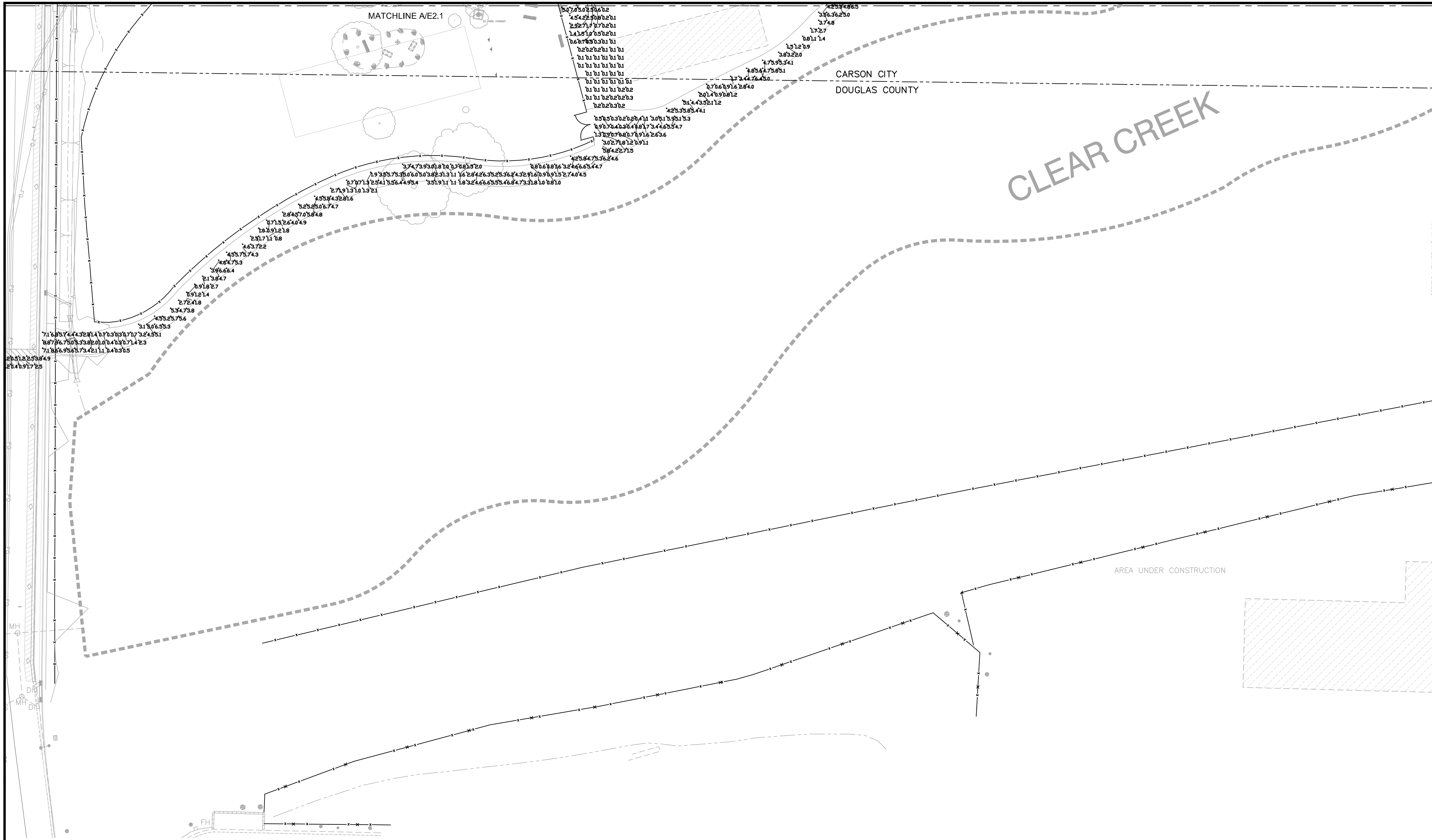
REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX ELECTRICAL IMPROVEMENTS PROJECT No. 1.1407**

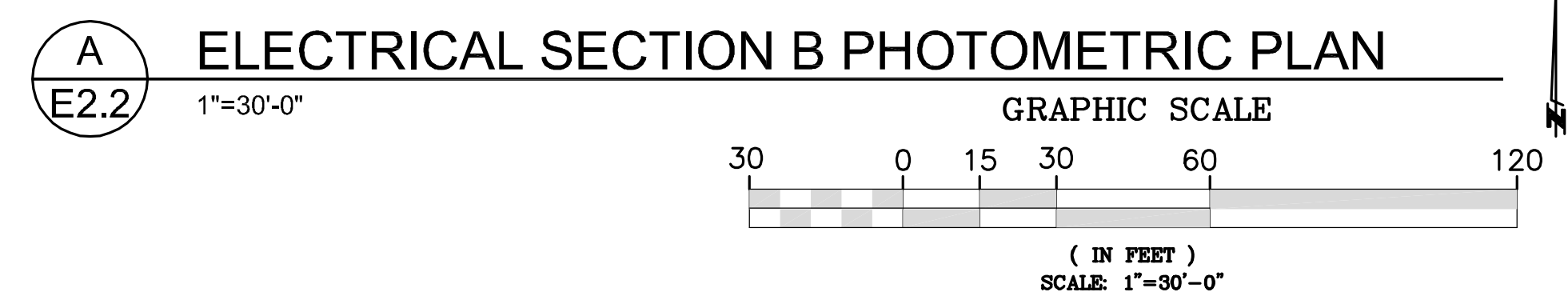
**ELECTRICAL SECTION A PHOTOMETRIC PLAN**

SHEET **E2.1** OF

PERMIT 14-321



STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Center Parking Lot	+	1.3 fc	8.3 fc	0.1 fc	83.0:1	13.0:1
East Dog Park	+	1.1 fc	7.0 fc	0.1 fc	70.0:1	11.0:1
Park Center	+	1.0 fc	5.2 fc	0.1 fc	52.0:1	10.0:1
Park West	+	0.8 fc	3.4 fc	0.1 fc	34.0:1	8.0:1
Playground	+	1.0 fc	5.3 fc	0.1 fc	53.0:1	10.0:1
South Walkway	+	3.2 fc	8.8 fc	0.1 fc	88.0:1	32.0:1
SouthEast Roadway		0.8 fc	5.5 fc	0.1 fc	55.0:1	8.0:1



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PURPOSES  
ONLY

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Airfield Electrical Mechanical  
385 Gentry Way  
Reno, NV 89502  
Ph: 775.826.4044  
Fax: 775.826.4190  
Web: dinter.com  
J-4447

DESIGNED BY: MMB  
DRAWN BY: MMB  
CHECKED BY: ERG  
DWG NO.: 4447 E2.2.DWG  
SCALE (HORIZ): PER PLAN  
SCALE (VERT): PER PLAN  
PLOT DATE: 4/21/14

**CARSON CITY  
PARKS AND RECREATION**  
3303 BUTTI WAY CARSON CITY, NEVADA 89701  
PH: 887-2262 FAX: 887-2145

**PROFESSIONAL ENGINEER**  
**HACKBUSCH**  
ELECTRICAL  
No. 018326  
4/15/14

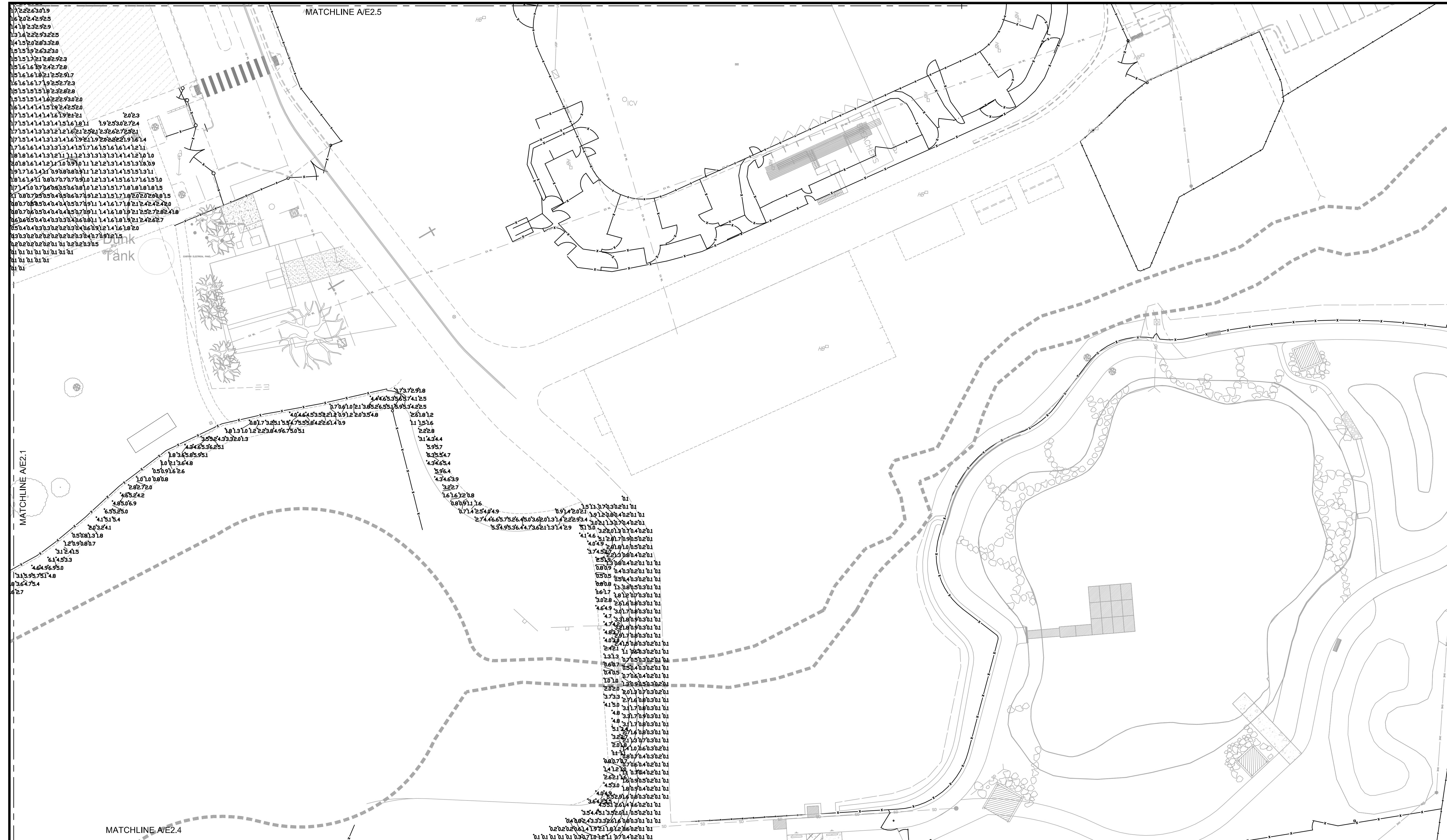
REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX  
ELECTRICAL IMPROVEMENTS  
PROJECT No. 1.1407**

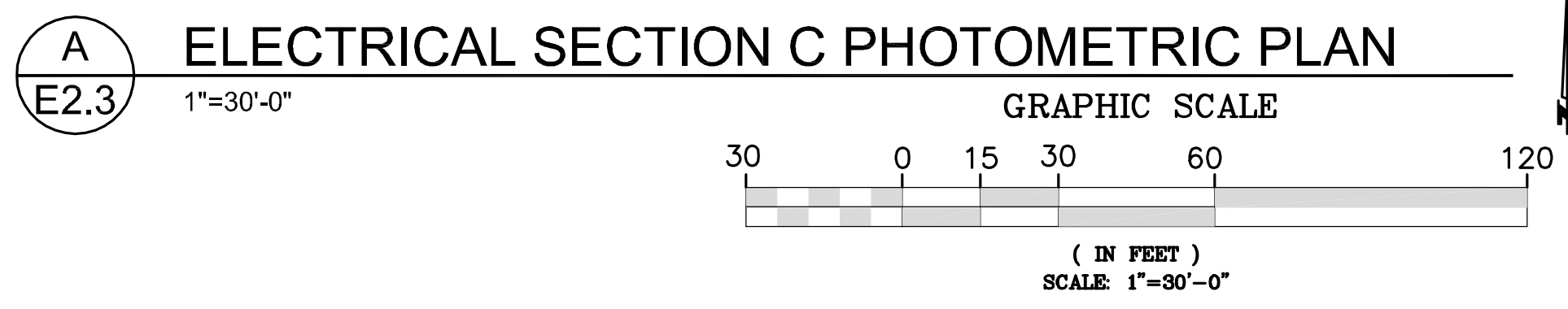
**ELECTRICAL  
SECTION B  
PHOTOMETRIC PLAN**

SHEET  
**E2.2**  
OF

PERMIT 14-321



STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Center Parking Lot	+	1.3 fc	8.3 fc	0.1 fc	83.0:1	13.0:1
East Dog Park	+	1.1 fc	7.0 fc	0.1 fc	70.0:1	11.0:1
Park Center	+	1.0 fc	5.2 fc	0.1 fc	52.0:1	10.0:1
Park West	+	0.8 fc	3.4 fc	0.1 fc	34.0:1	8.0:1
Playground	+	1.0 fc	5.3 fc	0.1 fc	53.0:1	10.0:1
South Walkway	+	3.2 fc	8.8 fc	0.1 fc	88.0:1	32.0:1
SouthEast Roadway		0.8 fc	5.5 fc	0.1 fc	55.0:1	8.0:1



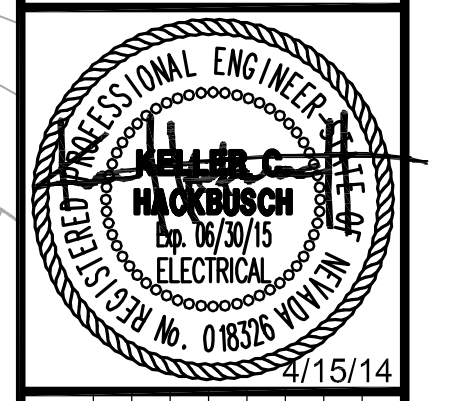
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PURPOSES  
ONLY

**DINTER**  
Airfield Electrical Mechanical  
385 Gentry Way  
Reno, NV 89502  
Ph: 775.826.4044  
Fax: 775.826.4190  
Web: dinter.com  
J-4447

DESIGNED BY: MMB  
DRAWN BY: MMB  
CHECKED BY: ERG  
DWG. NO.: 4447 E2.3.DWG  
SCALE (HORIZ): PER PLAN  
SCALE (VERT): PER PLAN  
PLOT DATE: 4/21/14

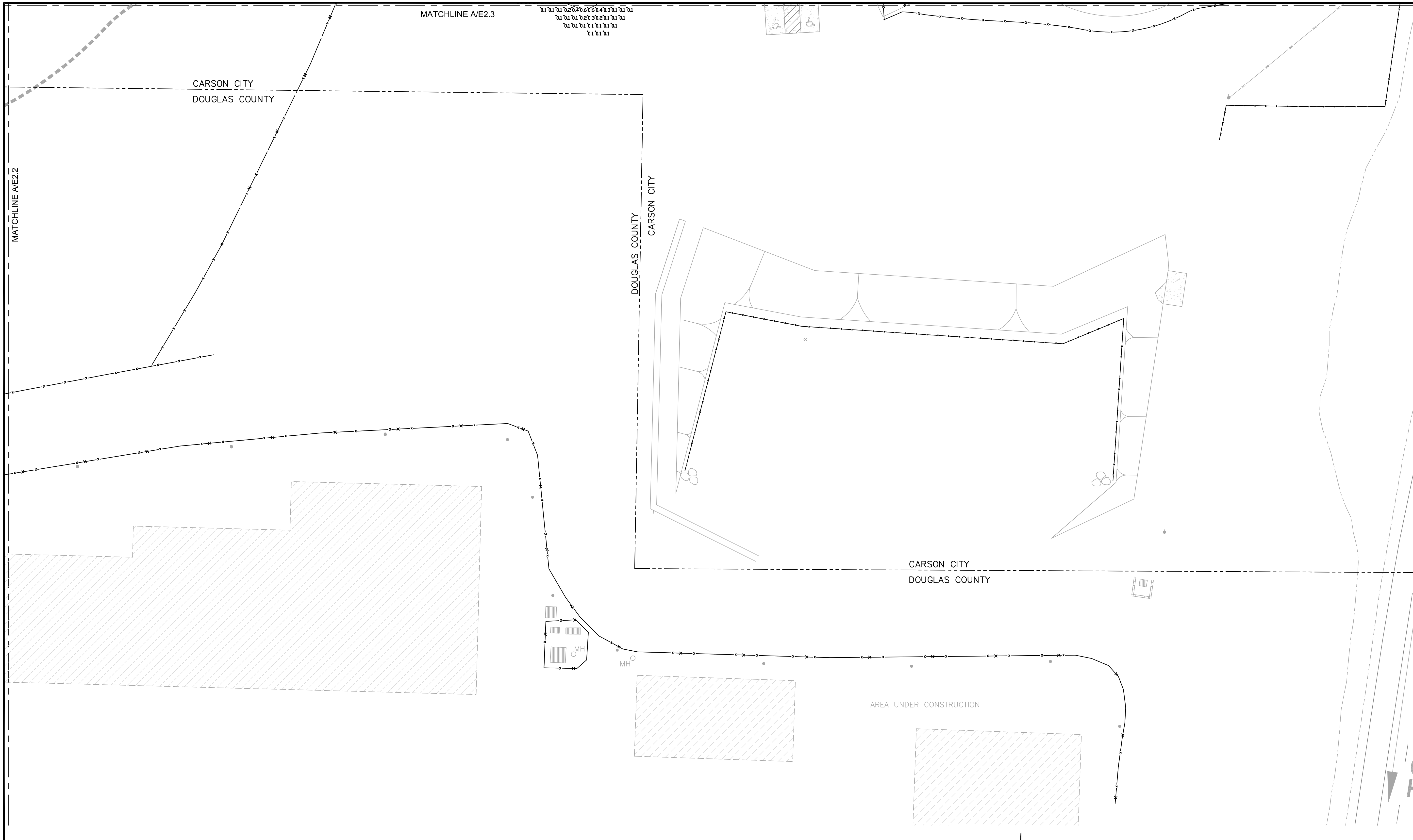
**CARSON CITY  
PARKS AND RECREATION**

3303 BUTTI WAY    CARSON CITY, NEVADA 89701  
PH: 887-2262    FAX: 887-2145

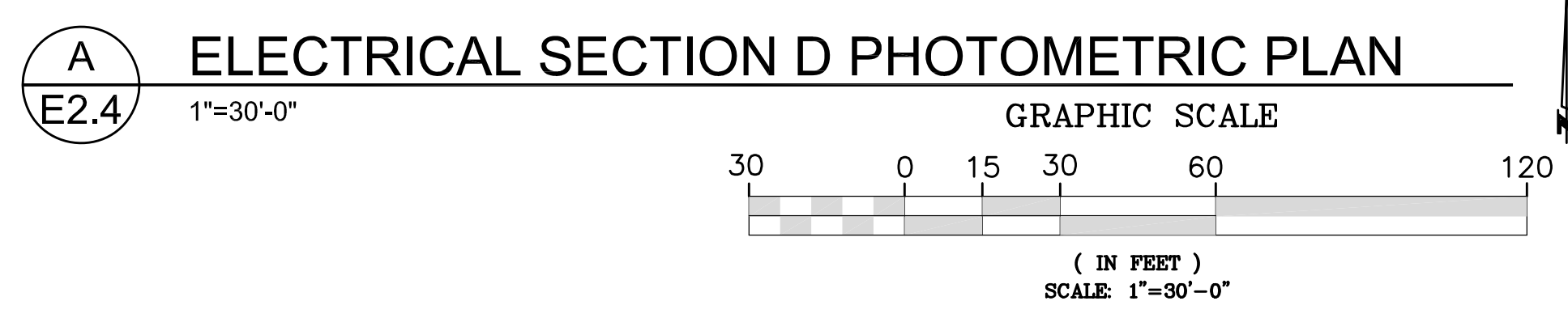


REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX  
ELECTRICAL IMPROVEMENTS  
PROJECT No. 1.1407**  
  
**ELECTRICAL  
SECTION C  
PHOTOMETRIC PLAN**  
  
**SHEET  
E2.3  
OF**  
  
**PERMIT 14-321**



STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Center Parking Lot	+	1.3 fc	8.3 fc	0.1 fc	83.0:1	13.0:1
East Dog Park		1.1 fc	7.0 fc	0.1 fc	70.0:1	11.0:1
Park Center	+	1.0 fc	5.2 fc	0.1 fc	52.0:1	10.0:1
Park West	+	0.8 fc	3.4 fc	0.1 fc	34.0:1	8.0:1
Playground	+	1.0 fc	5.3 fc	0.1 fc	53.0:1	10.0:1
South Walkway	+	3.2 fc	8.8 fc	0.1 fc	88.0:1	32.0:1
SouthEast Roadway	+	0.8 fc	5.5 fc	0.1 fc	55.0:1	8.0:1



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PURPOSES  
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Reno, NV 89502  
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Web: dinter.com  
J-4447

**FAIRGROUNDS/FUJI PARK COMPLEX  
ELECTRICAL IMPROVEMENTS  
PROJECT No. 1.1407**

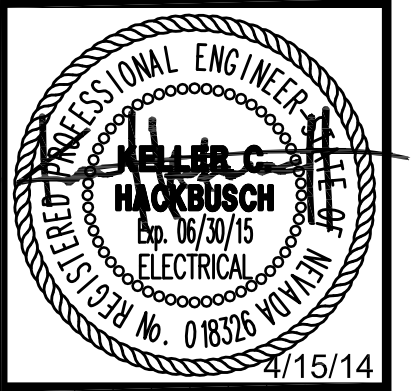
**ELECTRICAL  
SECTION D  
PHOTOMETRIC PLAN**

SHEET  
**E2.4**  
OF

DESIGNED BY: MMB  
DRAWN BY: MMB  
CHECKED BY: ERG  
DWG NO.: 4447 E2.4.DWG  
SCALE (HORIZ): PER PLAN  
SCALE (VERT): PER PLAN  
PLOT DATE: 4/21/14

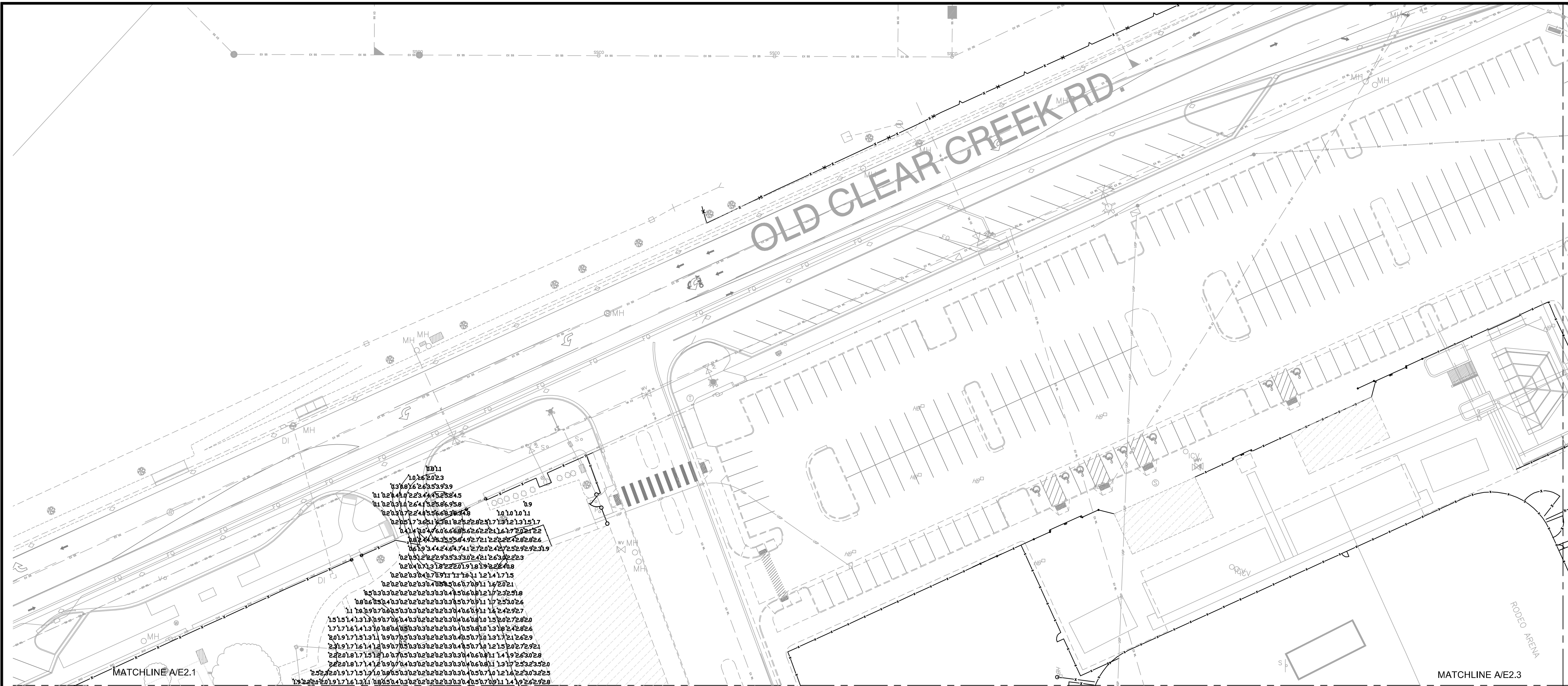
**CARSON CITY  
PARKS AND RECREATION**

3303 BUTTI WAY CARSON CITY, NEVADA 89701  
PH: 887-2262 FAX: 887-2145

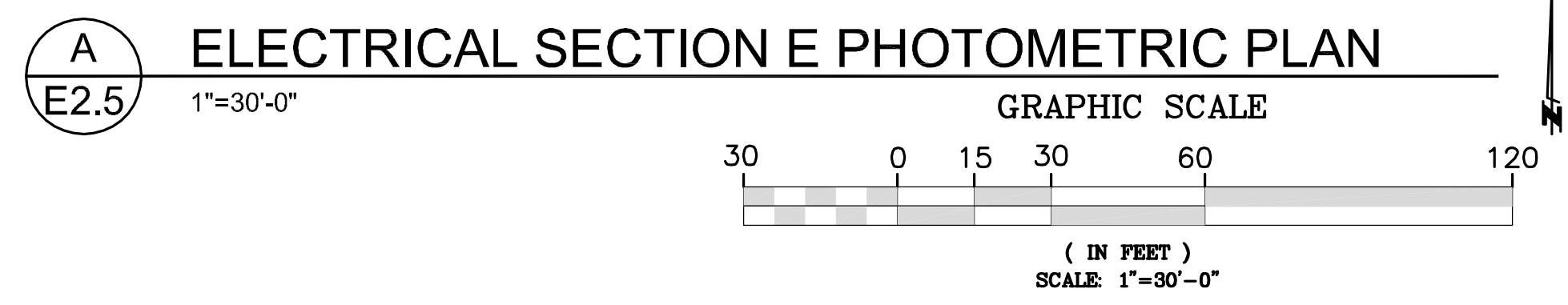


REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

PERMIT 14-321



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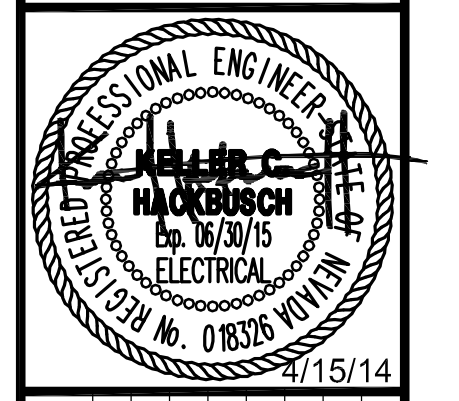
STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Center Parking Lot	+	1.3 fc	8.3 fc	0.1 fc	83.0:1	13.0:1
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Park Center	+	1.0 fc	5.2 fc	0.1 fc	52.0:1	10.0:1
Park West	+	0.8 fc	3.4 fc	0.1 fc	34.0:1	8.0:1
Playground	+	1.0 fc	5.3 fc	0.1 fc	53.0:1	10.0:1
South Walkway	+	3.2 fc	8.8 fc	0.1 fc	88.0:1	32.0:1
SouthEast Roadway		0.8 fc	5.5 fc	0.1 fc	55.0:1	8.0:1

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 Reno, NV 89502  
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 Fax: 775.826.4190  
 Web: dinter.com  
 J-4447

DESIGNED BY: MMB  
 DRAWN BY: MMB  
 CHECKED BY: ERG  
 DWG NO.: 4447 E2.5.DWG  
 SCALE (HORIZ): PER PLAN  
 SCALE (VERT): PER PLAN  
 PLOT DATE: 4/15/14

**CARSON CITY  
 PARKS AND RECREATION**  
 3303 BUTTI WAY CARSON CITY, NEVADA 89701  
 PH: 887-2262 FAX: 887-2145



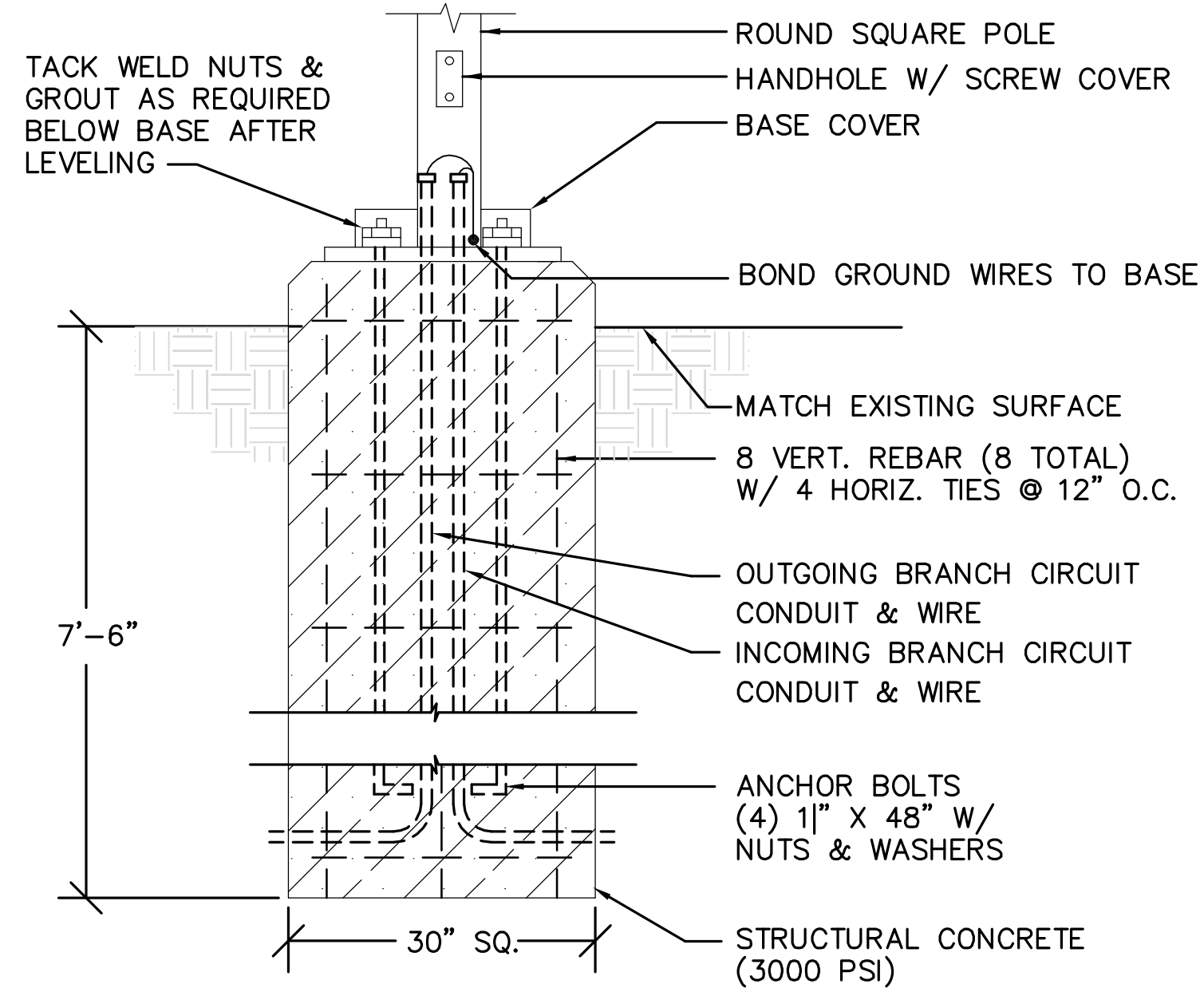
REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

FAIRGROUNDS/FUJI PARK COMPLEX  
 ELECTRICAL IMPROVEMENTS  
 PROJECT No. 1.1407  
**ELECTRICAL  
 SECTION E  
 PHOTOMETRIC PLAN**

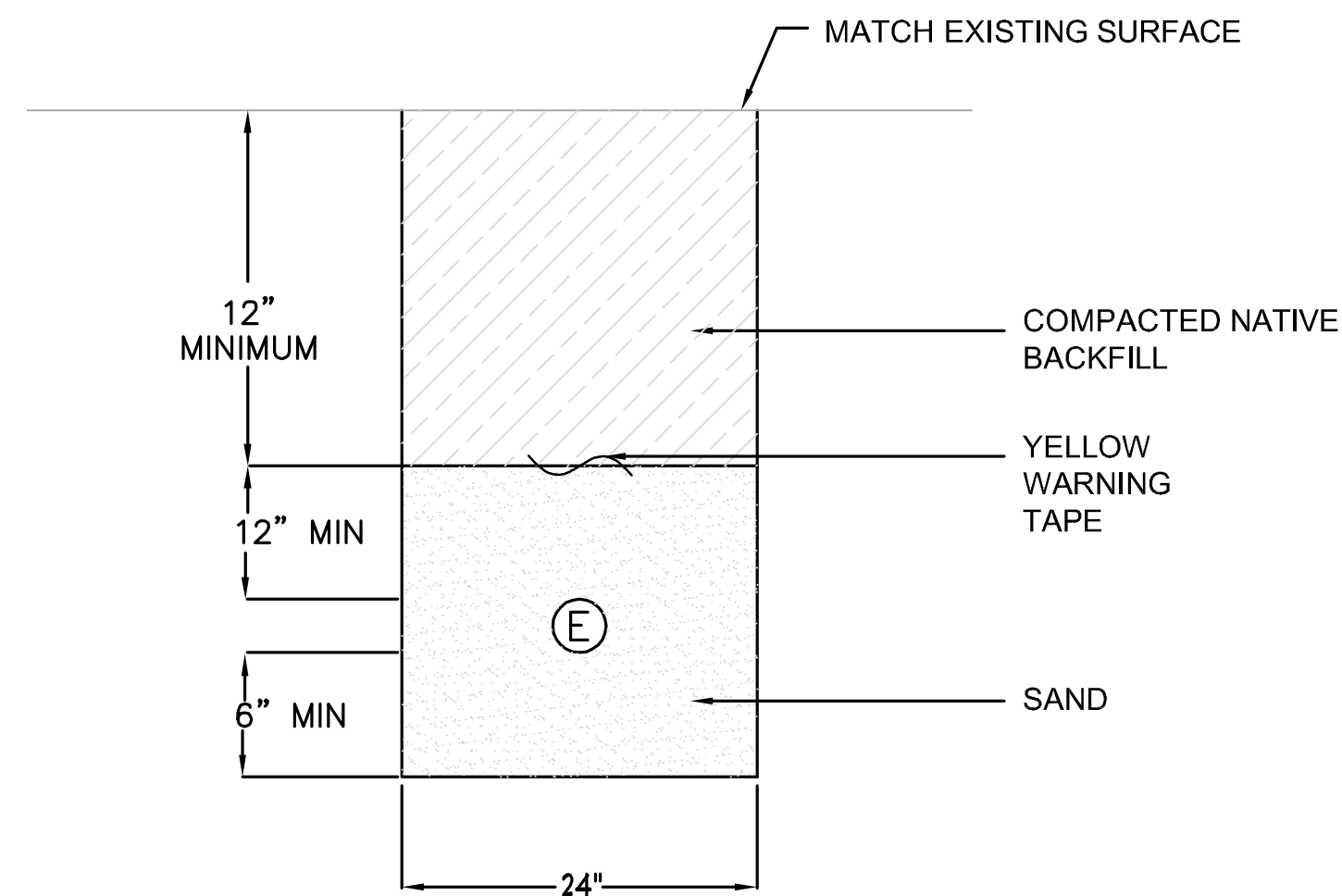
SHEET  
**E2.5**  
 OF

PERMIT 14-321

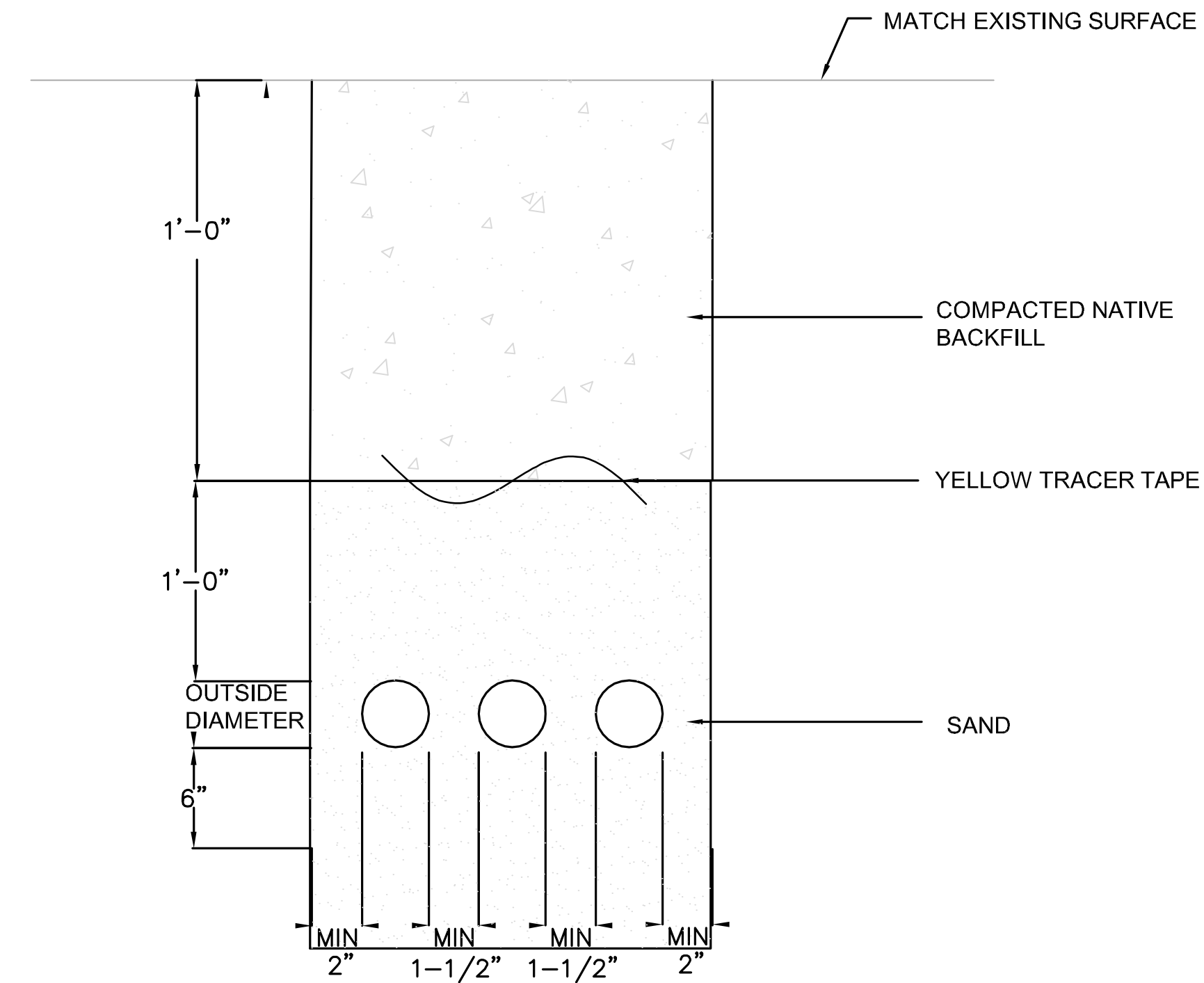




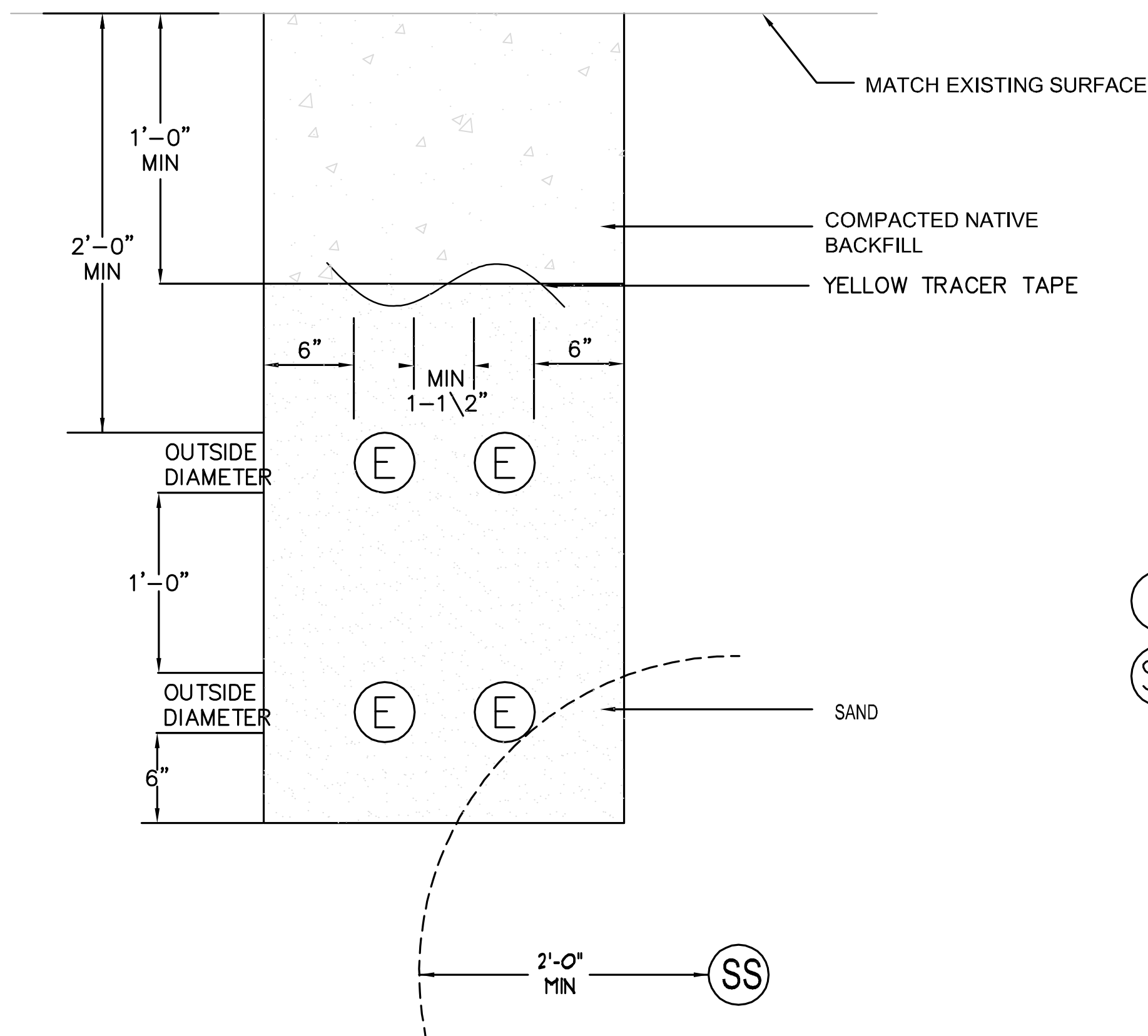
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E3.1 NO SCALE



**2** SINGLE CONDUIT TRENCH DETAIL  
E3.1 NO SCALE



**2** MULTIPLE CONDUITS TRENCH DETAIL  
E3.1 NO SCALE

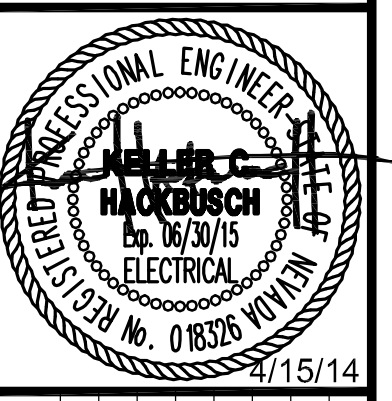


**3** TYPICAL JOINT TRENCH DETAIL  
E3.1 NO SCALE

(E) ELECTRIC IN CONDUIT  
(SS) WATER, SEWER OR STORM DRAIN

DESIGNED BY: MMB  
DRAWN BY: MMB  
CHECKED BY: ERG  
DWG. NO.: 4447 E3.1.DWG  
SCALE (HORIZ): PER PLAN  
SCALE (VERT): PER PLAN  
PLOT DATE: 4/21/14

**CARSON CITY PARKS AND RECREATION**  
3303 BUTTI WAY CARSON CITY, NEVADA 89701  
PH: 887-2262 FAX: 887-2145



REV	DATE	DESCRIPTION	BY	APP'D
1	4/15/14	PARKS DEPARTMENT COMMENTS		

**FAIRGROUNDS/FUJI PARK COMPLEX ELECTRICAL IMPROVEMENTS PROJECT No. 1.1407**  
**ELECTRICAL DETAILS**

FOR BIDDING PURPOSES ONLY



SHEET **E3.1** OF

PERMIT 14-321