



Staff Report

Coalville City
Community Development Director

To: Coalville City Mayor and City Council
From: Don Sargent, Community Development Director
Date of Meeting: August 14, 2023
Re: Summit County Fairgrounds Improvements Low Impact Permit
Action: Possible Approval

Summit County Fairgrounds Improvements Low Impact Permit

REQUEST:

Review, discuss, and possibly approve a Low Impact Permit (LIP) for proposed improvements to the Summit County Fairgrounds property. Attachment A includes an Aerial Location Map of the project area.

BACKGROUND:

The applicant, Summit County, Ron Boyer, has applied for a Low Impact Permit for proposed improvements to the property of the Summit County Fairgrounds. Attachment B includes the plan set for the improvements.

The proposal includes the demolition and removal of several existing structures and uses from the property (see Demo Plan, Sheet LD100 of plan set). The proposal also includes the construction of a multi-purpose field and associated improvements (See Site Plan, Sheet LS100 of plan set).

ANALYSIS:

The property is zoned High Density Residential (R-4) with a public facility overlay which allows public facilities and is therefore eligible for the uses proposed by the applicant for the fairground improvements through the LIP process. The provisions of the LIP process require the City Council to review and approve the project subject to the following findings:

1. The use conforms to all applicable requirements of City, State and Federal regulations.
2. The use is consistent with the goals and policies of the General Plan.
3. The use conforms to all applicable requirements of the development code.
4. The use is not detrimental to public health, safety, and welfare.

5. The use is appropriately located with respect to public facilities and services.
6. The natural topography, ridgelines, soils, critical areas, watercourses, and vegetation shall be preserved where possible through careful site planning and design of access routes, circulation areas, buildings and other structures, parking areas, utilities, drainage facilities and other features.

The applicant has addressed the required findings as indicated in the Low Impact Permit Narrative included as Attachment C. The City Council should determine if the required findings have been met for the proposed project.

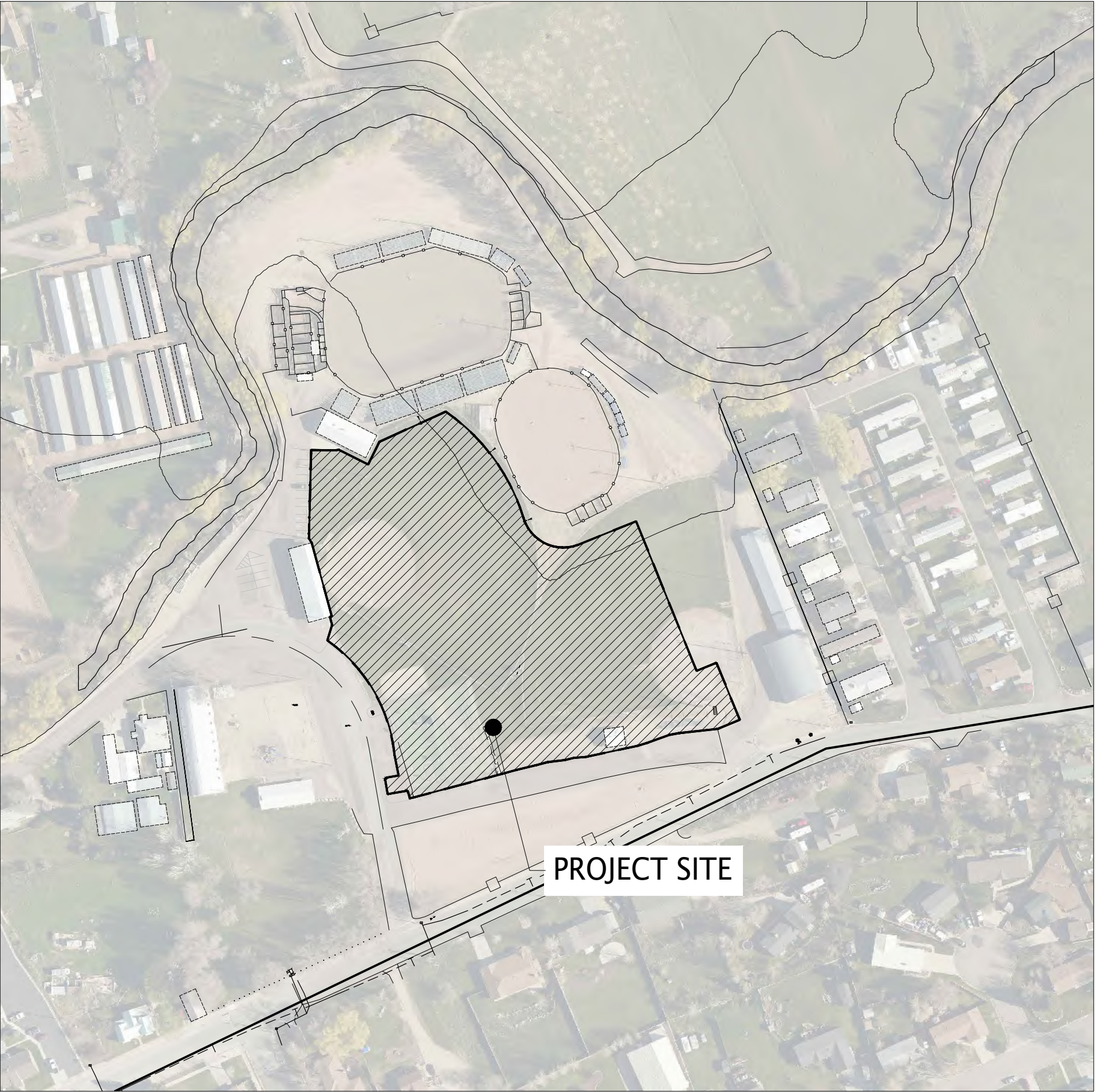
RECOMMENDATION: Staff recommends the City Council consider approval of the Low Impact Permit for the proposed fairground Improvements based on the above stated findings and with the following conditions:

1. The applicant shall provide any required water shares or execute a city water agreement for culinary and secondary water service for the development.
2. Installation of meters shall be required on existing and new secondary water service connections for the development.
3. The applicant shall obtain approval by the NSFD on the improvement site plan prior to issuance of a LIP.
4. All exterior lighting, including Outdoor Recreation and Athletic Facility Lighting, shall comply with the Outdoor Lighting requirements of the development code.
5. Staff shall verify the project Final Plan Set for compliance with the development code and engineering standards and specifications prior to issuance of a LIP.

As an alternative action, the City Council may provide additional direction to Staff, Planning Commission, and/or the applicant regarding the LIP for the fairground improvements for continued review and consideration at a subsequent meeting.

ATTACHMENTS

- A.** Aerial Location Map
- B.** Proposed Fairground Improvements Plan Set
- C.** Low Impact Permit Narrative



Summit County Fairgrounds Multipurpose Field

202 Park Rd, Coalville, UT 84017



Sheet Index	
Sheet Number	Sheet Title
L000	COVER SHEET
L100	INDEX
DEMO	
LD100	DEMO PLAN
SITE	
LS100	SITE PLAN
LS501	SITE DETAILS
CIVIL	
C100-C200	CIVIL PLANS AND DETAILS
ELECTRICAL	
EE001-EE004	ELECTRICAL NOTES, SPECS, & DETAILS
ES101- ES601	ELECTRICAL SITE PLANS AND DETAILS
EP601	ONE-LINE DIAGRAM AND SCHEDULES
LANDSCAPE	
LP100	LANDSCAPE PLAN
LP501	LANDSCAPE DETAILS
IRRIGATION	
LI100	IRRIGATION PLAN
LI501	IRRIGATION SCHEDULE, NOTES, & DETAILS
LI502	IRRIGATION DETAILS

project team

OWNER

60 N Main Street P.O. BOX 128
Coalville, UT 84017

O: 435.336.3143

CONTACT: Ron Boyer
E-MAIL: rboyer@summitcounty.org



LANDSCAPE ARCHITECT

blu line designs
8719 S. Sandy Parkway
Sandy, Utah 84070

P: 801.679.3157

CONTACT: Scott Stephens
E-MAIL: scott@blulinedesigns.com



SURVEY/ CIVIL

CMT Technical Services
9270 S 300 W, Sandy, Utah 84070, US

O: 801.562.2521 x 112

CONTACT: Ryan Betz
E-MAIL: ryan.betz@cmttechnicalservices.com



ELECTRICAL ENGINEER

Spectrum Engineers
324 S State St Suite 400, Salt Lake City, UT 84111

O: 801.401.8495

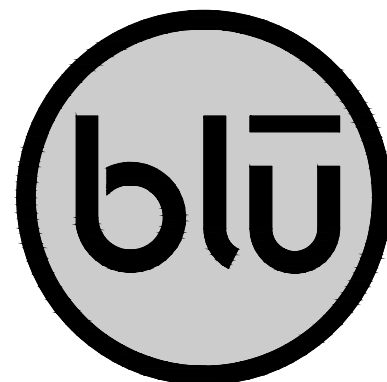
CONTACT: Spencer Little
E-MAIL: scl@spectrum-engineers.com



general notes

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND SUMMIT COUNTY STANDARDS, SPECIFICATIONS, AND DETAILS. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES, EASEMENTS, AND STRUCTURES SHOWN ON THE DRAWINGS ARE IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, TYPE, AND STRUCTURES TO BE ENCOUNTERED ON THE PROJECT PRIOR TO ANY EXCAVATION AND CONSTRUCTION IN THE VICINITY OF THE EXISTING UTILITIES AND STRUCTURES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL REQUIRED PERMITS, LICENSES, AND APPROVALS REQUIRED TO LEGALLY AND RESPONSIBLY COMPLETE THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, DISPOSAL, OR RELOCATION OF ALL OBSTRUCTIONS AND DEBRIS WITHIN THE DELINEATED CONSTRUCTION AREA PRIOR TO STARTING NEW CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY DEBRIS RESULTING FROM NEW CONSTRUCTION.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING FEATURES AND FACILITIES SCHEDULED TO REMAIN AS PART OF THE FINISHED CONSTRUCTION. REPAIR, REPLACEMENT, AND/OR REMOVAL AS DETERMINED BY OWNER SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL CALL BLUE STAKES AT 1-800-662-4111 FOR UNDERGROUND UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION.
- ALL NEW UNDERGROUND UTILITIES SHALL HAVE UNDERGROUND UTILITY WARNING TAPE. INSTALL UNDERGROUND

- UTILITY WARNING TAPE A MAXIMUM OF 12 INCHES ABOVE THE UTILITY PIPE CROWN. TAPE SHALL BE A MINIMUM 3 INCH WIDTH. TAPE SHALL BE ACID AND ALKALI RESISTANT, REINFORCED FOR 100 LB. TENSILE STRENGTH AND METALLIC SUCH THAT THE TAPE CAN BE DETECTED WITH A STANDARD SURVEY-TAPE METAL DETECTOR TO A DEPTH OF 6 FEET. TAPE COLORS SHALL BE BLUE FOR WATER AND GREEN FOR SEWER. IMPRINT WITH THE WORD 'CAUTION' AT A MAXIMUM OF 2 FOOT INTERVALS, IDENTIFYING THE UTILITY LINE BEING PROTECTED, IRRIGATION MAINLINES INCLUDED.
- THE PROJECT SHALL NOT BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT, AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS.
 - CONTRACTOR SHALL ROUGH GRADE TO WITHIN +/- A TENTH OF A FOOT FROM FINISH GRADE UNLESS OTHERWISE NOTED.
 - ALL SPOT ELEVATIONS ARE FINISH GRADE UNLESS OTHERWISE NOTED.
 - ALL CLARIFICATIONS OF DISCREPANCIES BETWEEN THE DRAWINGS AND THE SITE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING OF WORK.
 - CROSS SLOPES ON ALL NEW HARDSCAPE AND PAVEMENT SHALL NOT EXCEED 2% UNLESS OTHERWISE SHOWN.
 - ALL AREAS WITHIN AND AFFECTED BY THIS PROJECT SHALL HAVE POSITIVE DRAINAGE. POSITIVE DRAINAGE SHALL BE PROVIDED TO DIRECT STORMWATER AWAY FROM ALL STRUCTURES.
 - CONTRACTOR SHALL PROVIDE AND MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY COALVILLE CITY AND THE STATE OF UTAH.
 - LAYOUT OF ALL CONCRETE EDGER SHALL BE REVIEWED AND APPROVED IN THE FIELD BY OWNER PRIOR TO INSTALLATION.

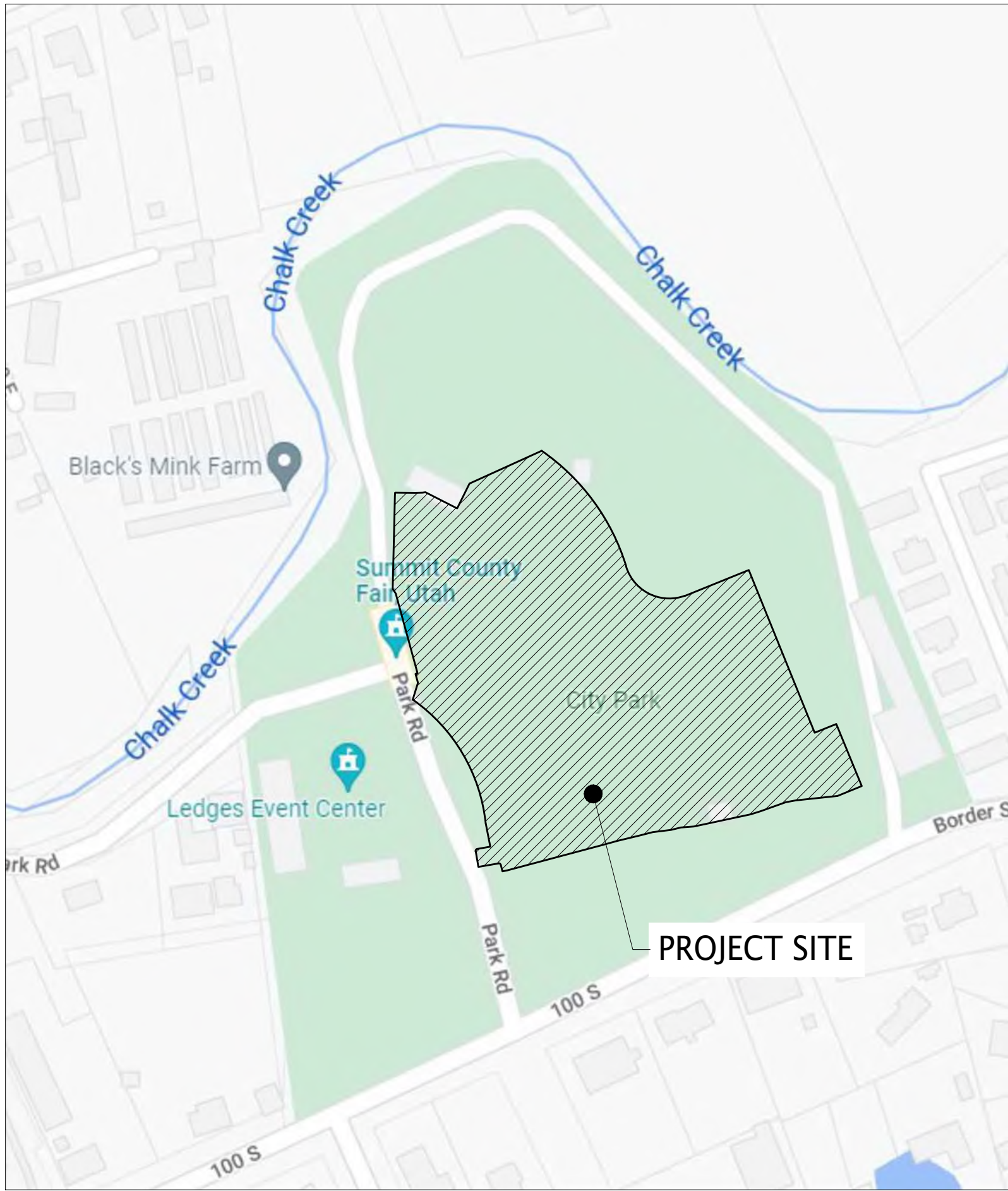


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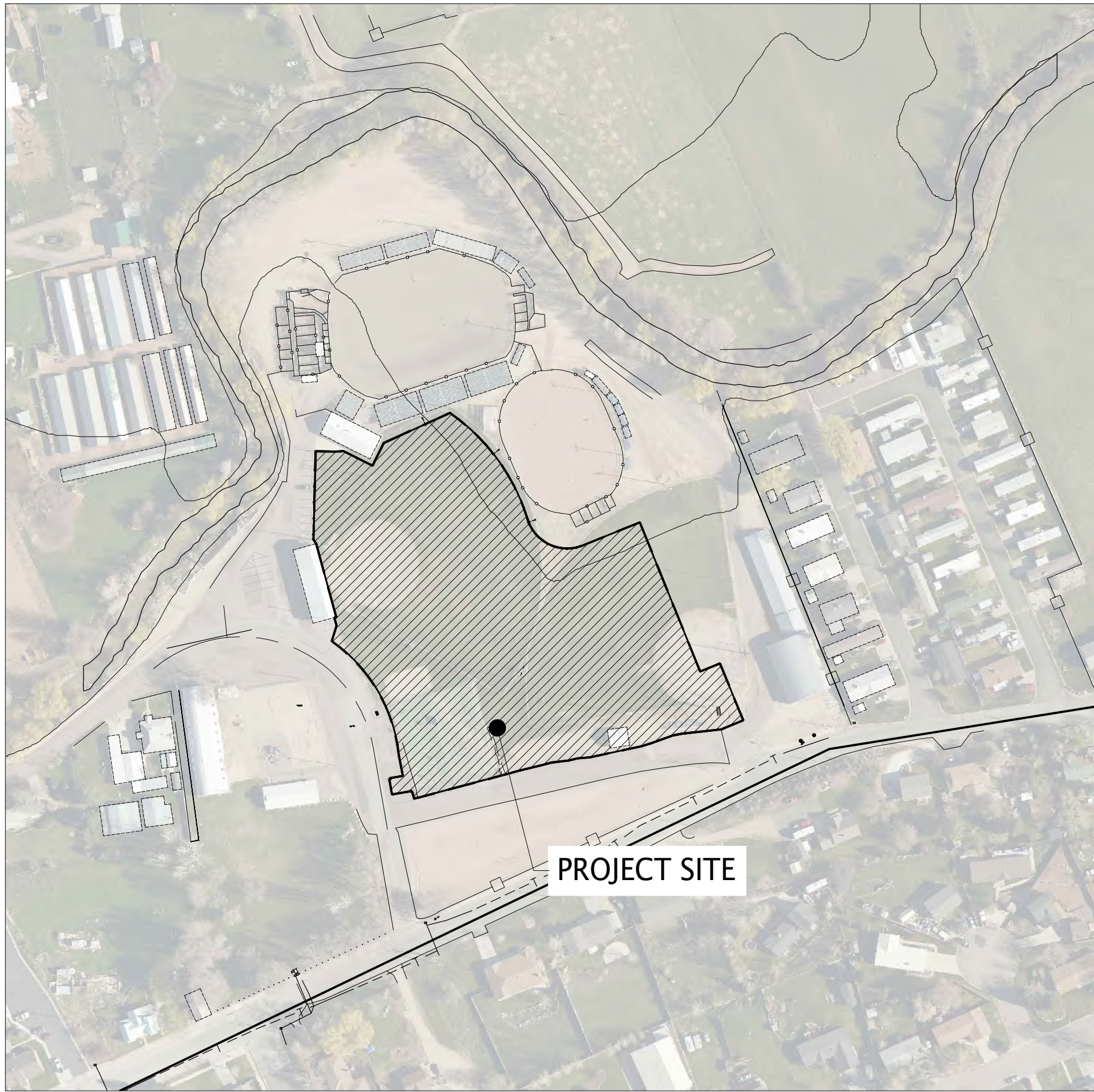
8719 S. Sandy Parkway
Sandy, UT 84070
p 801.913.7994

CONSULTANTS

project location



vicinity map n.t.s.



project site n.t.s.



DESIGN REVIEW- NOT FOR CONSTRUCTION

SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD
202 Park Rd. Coalville,
UT 84017

REVISIONS	
NO.	DESCRIPTION

Stamp

STATE OF UTAH
CORY A. SHARP
Landscape Architect
07/19/2023

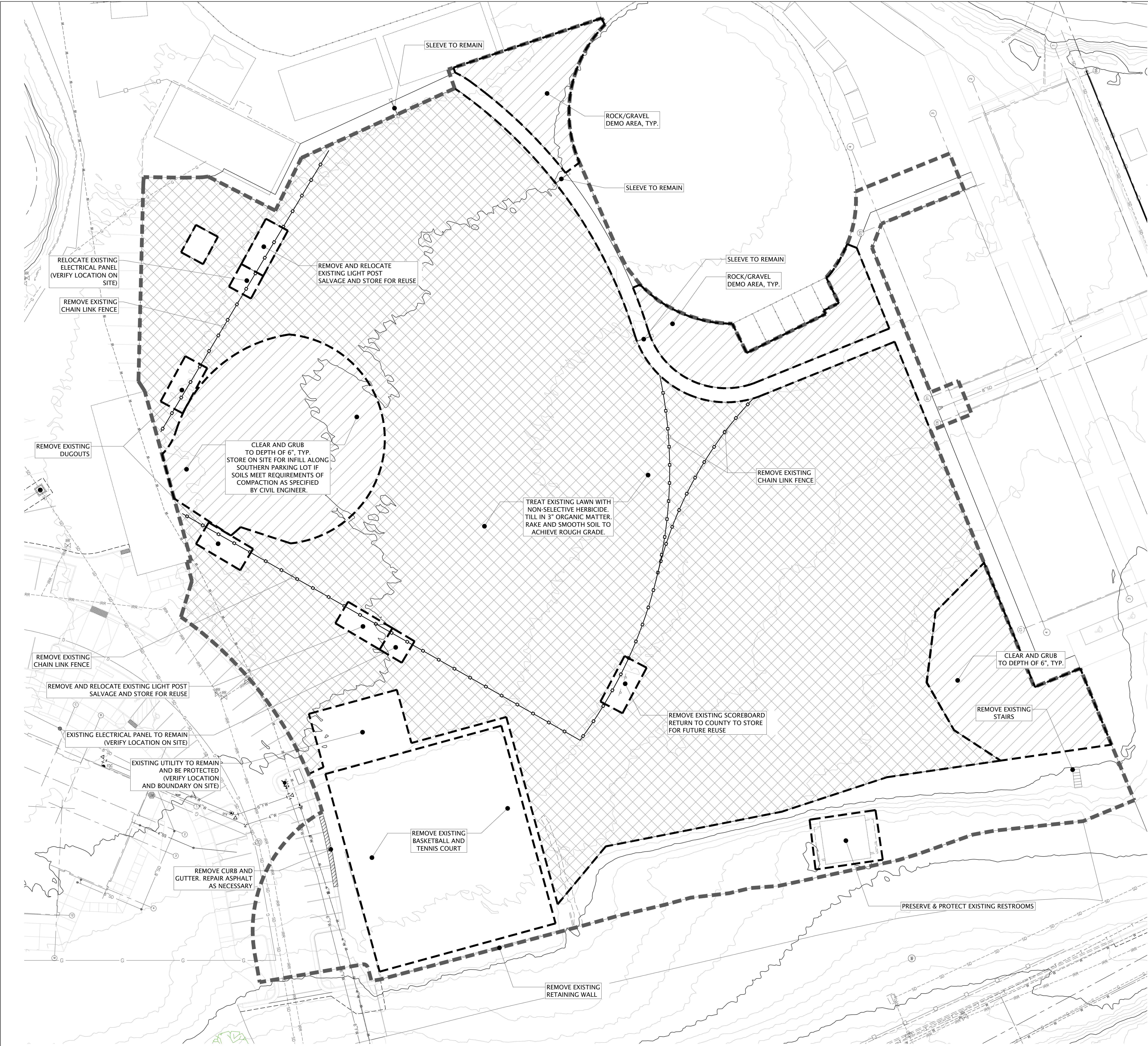
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Drawn By: MTT, BP
Date: 07/19/2023
Checked By: CS
Project No: 21-252

Drawing Title

INDEX

Drawing number

L100



Scale: 1" = 20'-0"



SUMMIT COUNTY FAIRGROUNDS MULTIPURPOSE FIELD

202 Park Rd. Coalville,
UT 84017

DESIGN REVIEW- NOT FOR CONSTRUCTION

REVISIONS	
NO	DESCRIPTION
Stamp	
Designed By:	SS
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Drawing Title	

DEMO PLAN

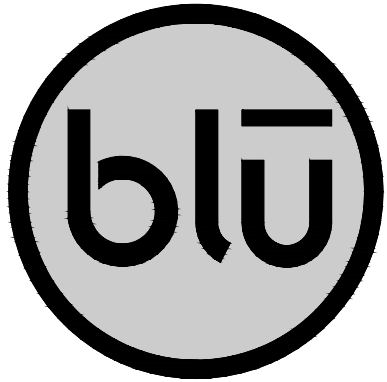
Drawing number

LD100



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	CONCRETE STEPS WITH CHEEK WALL (NORTH OF LIVESTOCK BUILDINGS)	1/LS501
2	CONCRETE STEPS WITH CHEEK WALL (WEST OF LIVESTOCK BUILDINGS)	1/LS501
3	CONCRETE STAIRS WITH CHEEK WALL (RESTROOM BUILDING)	1/LS501
4	HANDRAIL, TYP.	2/LS501
5	CONCRETE SIDEWALK- SEE CIVIL DRAWINGS	
6	6" CONCRETE EDGER	9/LS501
7	12" CONCRETE EDGER	5/LS501
8	HITCH AND POST FENCE - MATCH TO EXISTING HITCH AND POST FENCE ON SITE	5/LS501
9	HITCH AND POST SWING GATE	
10	HITCH AND POST REMOVABLE RAIL SECTION	5/LS501
11	SEMI PATH (NO WORK REQUIRED)	
12	WATER LINE - 1-1/4" HDPE, CONNECT TO WATER LINE OUTSIDE OF RESTROOM, EXTEND TO CULINARY HOSE BIB AND DRINKING FOUNTAIN, SLEEVE UNDER HARDSCAPES AND ACROSS VEHICLE PATH FROM GATE AT SOUTHEAST, INSTALL DRAIN AT LOW POINT(S).	
13	HOSE BIB	
14	DRINKING FOUNTAIN STATION WITH WATER BOTTLE FILLER	8/LS501
15	TURF PAYER	7/LS501
16	PARK BENCH AND PAD	11/LS501
17	LANDSCAPE BOULDER - 3'-5' DIA BOULDERS FROM BROWN'S CANYON	12/LS501
18	FILL - COMPACT IN LIFTS PER APWA REQUIREMENTS FOR PARKING AREA	
19	LIGHT POLE - SEE ELECTRICAL DRAWINGS	
20	ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS	



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8719 S. Sandy Parkway
Sandy, UT 84070
p 801.913.7994

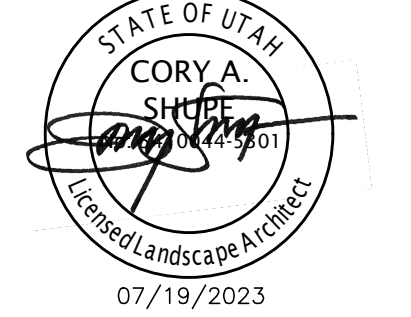
CONSULTANTS

SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD
202 Park Rd. Coalville,
UT 84017

REVISIONS

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	07/19/2023

Stamp



Designed By: SS
Drawn By: MTT, BP
Date: 07/19/2023
Checked By: CS
Project No: 21-252

Drawing Title

SITE PLAN

Drawing number

LS100

Scale: 1" = 20'-0"





UT 84017

SCALE: NTS P-21-252F-04

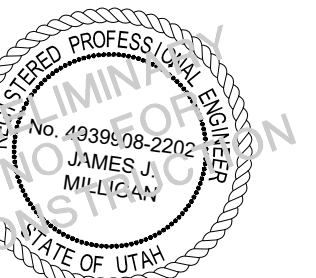
SUMMIT COUNTY FAIRGROUNDS MULTIPURPOSE FIELD

202 Park Rd, Coalville,
UT 84017

REVISIONS

yr/mm/day	DESCRIPTION

amp



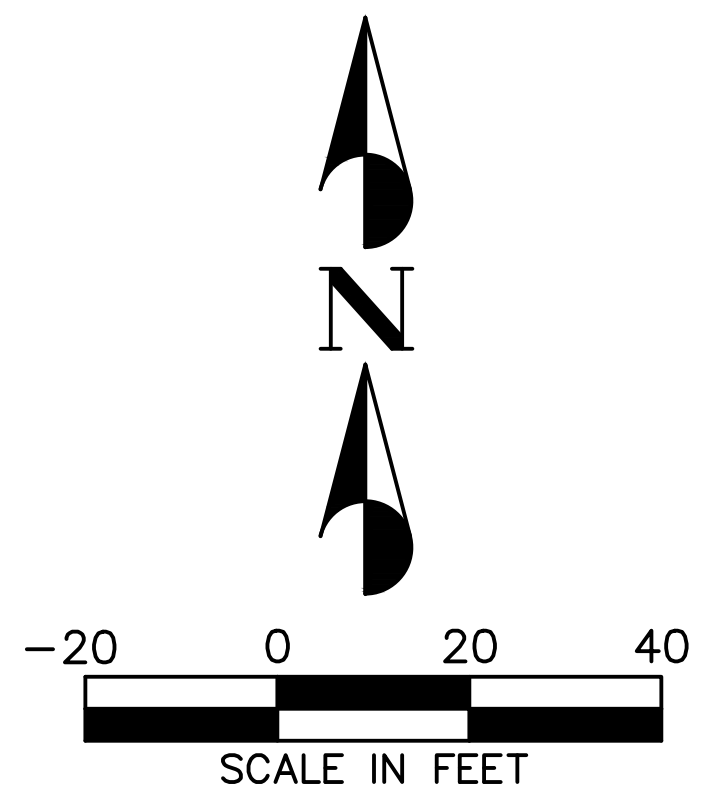
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Checked By: JJM
Project No: 21-252

TRADING PLAN

Drawing number

C100

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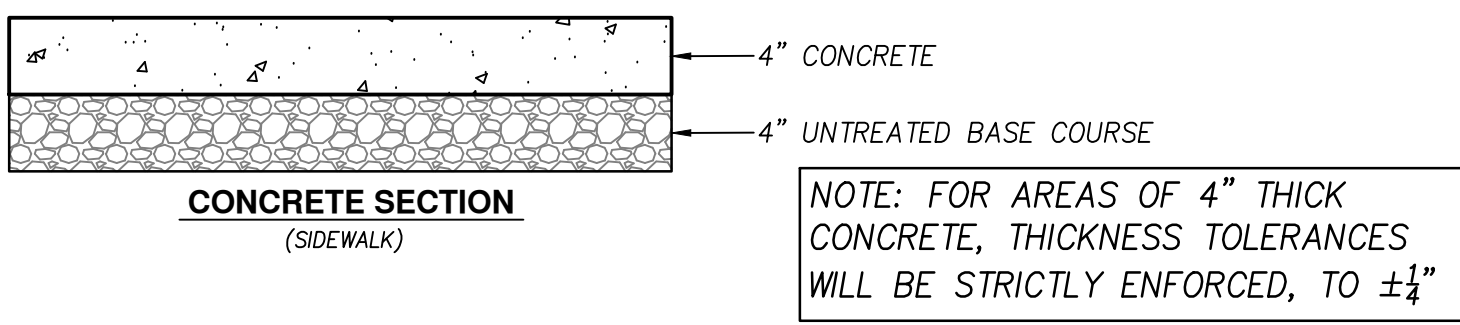


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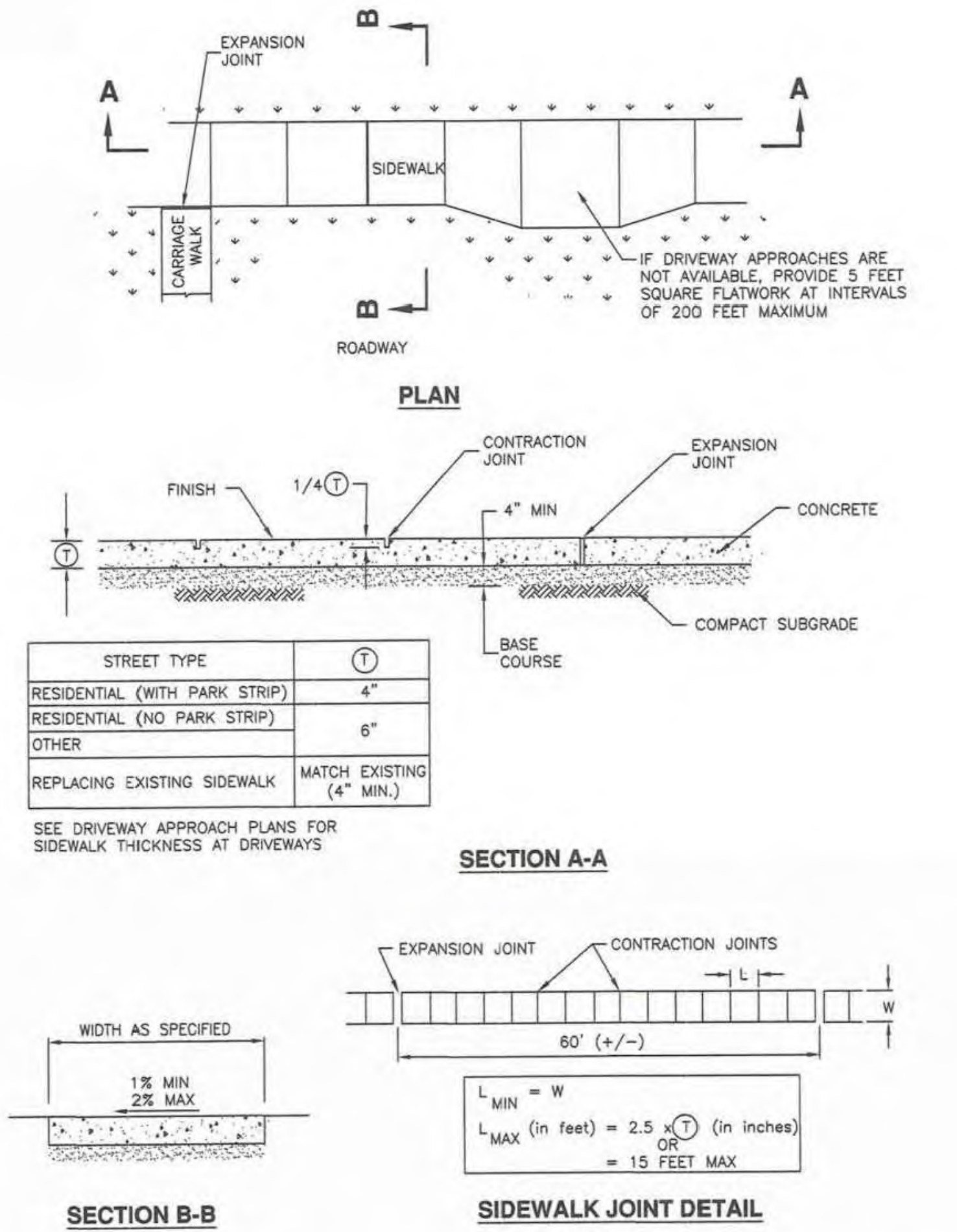
- | | |
|----------|---------------------------------|
| — 5600 — | EXISTING 5' CONTOUR |
| 5601 | EXISTING 1' CONTOUR |
| ===== | EXISTING CURB & GUTTER |
| ===== | EXISTING SIDEWALK |
| ===== | EXISTING FENCE |
| ----- | EXISTING EDGE OF ASPHALT |
| ----- | EXISTING SEWER LINE |
| ----- | EXISTING STORM DRAIN LINE |
| ----- | EXISTING WATER LINE |
| ----- | EXISTING TELECOMM LINE |
| ----- | EXISTING GAS LINE |
| ----- | EXISTING UNDERGROUND ELECTRICAL |
| ----- | EXISTING OVERHEAD ELECTRIC |
| ----- | EXISTING BUILDING PAD |
| 5600 | PROPOSED 5' CONTOUR |
| 5601 | PROPOSED 1' CONTOUR |
| ===== | PROPOSED CURB & GUTTER |
| ===== | PROPOSED SIDEWALK |
| ----- | PROPOSED SEWER LINE |
| ----- | PROPOSED STORM DRAIN LINE |
| ----- | PROPOSED FENCE |
| ----- | PROPOSED EDGE OF ASPHALT |
| ----- | PROPOSED WATER LINE |
| ----- | PROPOSED SPILL CURB & GUTTER |
| ----- | PROPOSED BUILDING PAD |
| ----- | PROJECT BOUNDARY |

GRADING NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND SPECIFICATIONS. IN THE ABSENCE OF PROJECT STANDARD AND SPECIFICATIONS APWA STANDARD AND SPECIFICATIONS SHALL GOVERN.
2. CONTRACTOR SHALL RETAIN AND PROTECT ALL EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED. CONTRACTOR IS RESPONSIBLE TO REPAIR ALL SIDEWALK, PAVEMENT, GRAVEL, UTILITIES, LANDSCAPING, IRRIGATION, FENCING AND EXISTING IMPROVEMENTS DAMAGED AS PART OF CONSTRUCTION.
3. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND SPECIFICATIONS.
4. ALL WORK SHALL COMPLY WITH THE PROJECT PLANS, PROJECT SPECIFICATIONS, AND PROJECT GEOTECHNICAL ENGINEERING REPORT, WHICHEVER IS THE MOST STRINGENT.
5. THE CONTRACTOR SHALL STRIP AND CLEAR THE TOPSOIL, MAJOR ROOTS AND ORGANIC MATERIALS FROM THE PROPOSED BUILDING AND PAVEMENT AREAS PRIOR TO SITE GRADING. (THE TOPSOIL MAY BE STOCKPILED FOR LATER USE IN LANDSCAPED AREAS.)
6. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
7. THE CONTRACTOR SHALL GRADE THE PROJECT SITE TO PROVIDE A SMOOTH TRANSITION BETWEEN THE EXISTING ASPHALT, CURB AND GUTTER, AND ADJOINING SITE IMPROVEMENTS.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT BLUE STAKES OF UTAH PRIOR TO STARTING ANY ACTIVITIES. ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATIONS ONLY.
9. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEN EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS AND VERIFIED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION SHALL BE THE RESPONSIBILITY BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF THE EXISTING UTILITIES SHOULD BE MAINTAINED. ALL OSHA STANDARDS ARE FOLLOWED.
10. CONTRACTOR SHALL ENSURE FINISHED GRADE SLOPES AVOID FROM ALL STRUCTURES ACCORDING TO BUILDING CODES AND AS SHOWN ON THIS PLAN.
11. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION.
12. SEE LANDSCAPE ARCHITECT PLANS FOR CONCRETE SCORING.



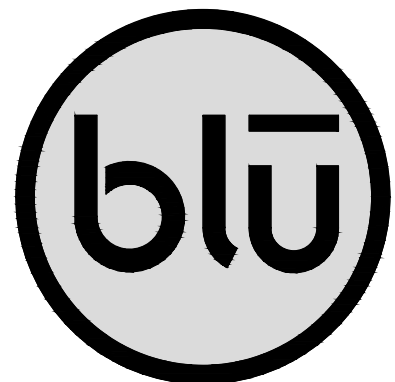
DETAIL-1
PAVEMENT SECTIONS
(NOT TO SCALE)



Sidewalk

Plan
231
March 2009

DETAIL-3
SIDEWALK
(SEE APWA STANDARD PLAN #231)



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8719 S. Sandy Parkway
Sandy, UT 84070
p 801.913.7994

CONSULTANTS

CIVIL



CMT TECHNICAL SERVICES
9270 SOUTH 300 WEST, SUITE A-2
SANDY, UTAH 84070
P: (801) 562-2521

SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD
202 Park Rd. Coalville,
UT 84017

REVISIONS

NO.	DESCRIPTION

Stamp



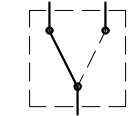
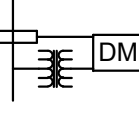
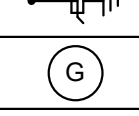
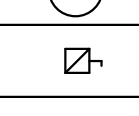
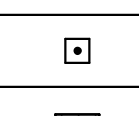
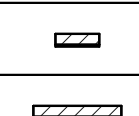
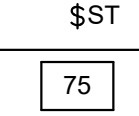
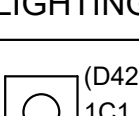
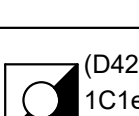
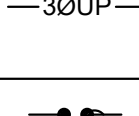
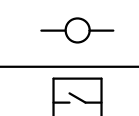
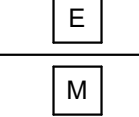
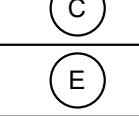
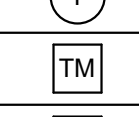
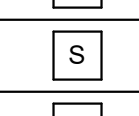
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Drawn By: RPB
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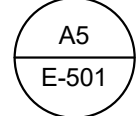
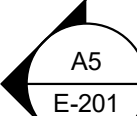
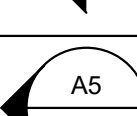
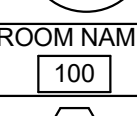
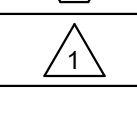
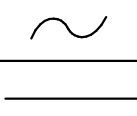
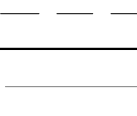
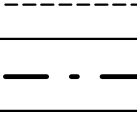
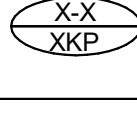
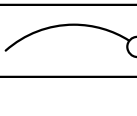
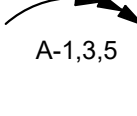
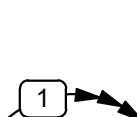
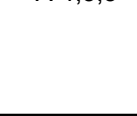
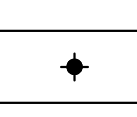
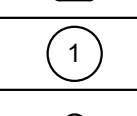
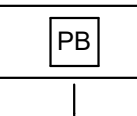
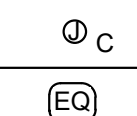
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SECTIONS &
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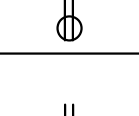
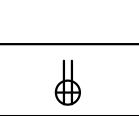
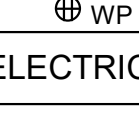
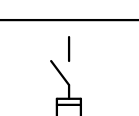
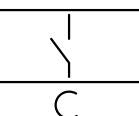
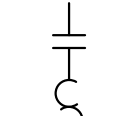
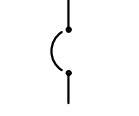
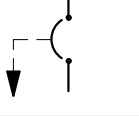
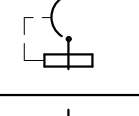
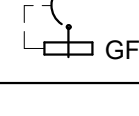
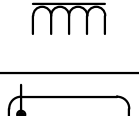
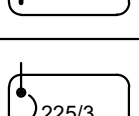
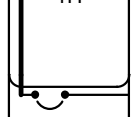
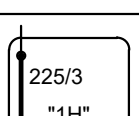
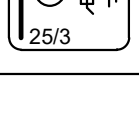
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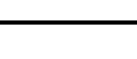
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DESIGN REVIEW- NOT FOR CONSTRUCTION

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	GENERATOR, POWER (ONE-LINE DIAGRAM).
	METER.
	DISCONNECT SWITCH, FUSED.
	PUSHBUTTON.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER: NUMBER INDICATES KVA.
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
	FIXTURE ID (D420) INDICATES FIXTURE TYPE AS SCHEDULED "1C1" INDICATES ROOM/DIMMING CONTROLLER CIRCUITING "21" INDICATES ZONE CIRCUITING.
	FIXTURE ID (D420) INDICATES FIXTURE TYPE AS SCHEDULED "1C1" INDICATES ROOM/DIMMING CONTROLLER CIRCUITING "21" INDICATES ZONE CIRCUITING EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED
SITE ELECTRICAL AND COMMUNICATIONS UTILITIES	
	ELECTRIC LINE: THIN LINE: 1Ø = SINGLE PHASE, 2Ø = 2-PHASE, 3Ø = 3-PHASE, Ø = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
	LIGHTNING ARRESTOR.
	UTILITY POLE.
	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
	UTILITY, PRIMARY ELECTRICAL GROUND SLEEVE.
	UTILITY SERVICES, MANHOLE.
	UTILITY, COMMUNICATIONS MANHOLE.
	UTILITY, ELECTRICAL MANHOLE.
	UTILITY, TELEPHONE MANHOLE.
	PRECAST CONCRETE, MANHOLE, TRANSFORMER VAULT.
	PRECAST CONCRETE, TRANSFORMER PAD.
	SUBSTATION.
	TRANSFORMER.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	MECHANICAL EQUIPMENT INDICATOR: "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
	KITCHEN EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XKP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
	WIRING TURNED UP OR TOWARDS OBSERVER.
	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	CONDUCTOR RUN IDENTIFICATION.
	JUNCTION BOX.
	PULL BOX.
	EARTH GROUND (ONE-LINE DIAGRAM).
	JUNCTION BOX, CEILING.
	CONDUCTOR & CONDUIT INDICATOR, REFER TO EQUIPMENT SCHEDULE OF ASSOCIATED EQUIPMENT/DEVICE.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
	TRANSFORMER (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).

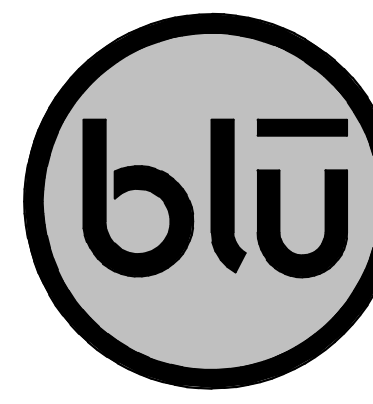
WIRING LEGEND	
	12AWG WIRE SIZE TYPICAL
	14AWG WIRE SIZE TYPICAL
	SWITCHED LEG FOR LTG OKT WIRE SIZE BY BRANCH CIRCUIT
	VOICE/DATA CABLE CAT6 TYPICAL
	WIRE SIZE SPECIFIED BY CALLOUT TAG
	CONDUCTOR & CONDUIT INDICATOR REFER TO EQUIPMENT SCHEDULE OF ASSOCIATED EQUIPMENT/DEVICE

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
1P SINGLE POLE	IO INPUT/OUTPUT
1PH SINGLE-PHASE	IG ISOLATED GROUND
1WAY ONE-WAY	IMC INTERMEDIATE METAL CONDUIT
2/C TWO-CONDUCTOR	INIS INSULATED/ ISOLATED
2WAY TWO-WAY	IR INFRARED
3/C THREE-WAY	J-BX JUNCTION BOX
3WAY THREE-WAY	KV KILOVOLT
4OUT QUADRUPL RECEPTACLE OUTLET	KVA KILOVOLT AMPERE
4PDT FOUR-POLE DOUBLE THROW	KVAR KILOVOLT AMPERE REACTIVE
4PST FOUR-POLE SINGLE THROW	KW KILOWATT
4W FOUR-WIRE	KWH KILOWATT HOUR
4WAY FOUR-WAY	LED LIGHT EMITTING DIODE
A ABOVE COUNTER	LFC LIQUID TIGHT FLEXIBLE METAL CONDUIT
AC ARMORED CABLE	LFFC LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
ADA AMERICANS WITH DISABILITIES ACT	LPS LOW PRESSURE SODIUM LOCKED ROTOR AMPS
ADJ ADJACENT	LTG LIGHTING
AFF ABOVE FINISHED FLOOR	LV LOW VOLTAGE
AFS ABOVE FINISHED GRADE	MASTV MASTER ANTENNA TELEVISION SYSTEM
AIC AMPERE INTERRUPTING CAPACITY	MAX MAXIMUM
ALUM ALUMINUM	MC METAL CLAD
AMP AMPERE	MCA MINIMUM CIRCUIT AMPS
ANN ANNUNCIATOR	MCB MAIN CIRCUIT BREAKER
AP ACCESS POINT (WIRELESS DATA)	MCC MOTOR CONTROL CENTER
AR AS REQUIRED	MCP MOTOR CIRCUIT PROTECTION
ASC AMPS SHORT CIRCUIT	MDP MAIN DISTRIBUTION PANEL
ATS AUTOMATIC TRANSFER SWITCH	MG MOTOR GENERATOR
AV AUDIO VISUAL	MH MANHOLE
AWG AMERICAN WIRE GAGE	MIN MINIMUM
BB BUCK-BOOST TRANSFORMER	MLO MAIN LUGS ONLY
CFMR CEILING MOUNTED COMMUNITY ANTENNA TELEVISION	MOCB MAXIMUM OVERCURRENT PROTECTION
CB CIRCUIT BREAKER	NA NOT APPLICABLE
CCBA CUSTOM COLOR AS SELECTED BY ARCHITECT	NC NORMALLY CLOSED
CCTV CLOSED CIRCUIT TELEVISION	NEC NATIONAL ELECTRICAL CODE
CF/CI CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	NEMA NATIONAL ELECTRICAL ASSOCIATION
CF/IO CONTRACTOR FURNISHED/ OWNER INSTALLED	NFC NATIONAL FIRE CODE
CFBA CUSTOM FINISH AS SELECTED BY ARCHITECT	NFPA NATIONAL FIRE PROTECTION ASSOCIATION
CKT CIRCUIT	NIC NOT IN CONTRACT
CM CONSTRUCTION MANAGER	NL NIGHT LIGHT
CND CONDUIT	NO NORMALLY OPEN
CO CONVENIENCE OUTLET	NTS NOT TO SCALE
COR CONTRACTING OFFICER'S REPRESENTATIVE	ON ON CENTER
CP CONTROL PANEL	OC OVER CURRENT PROTECTION
CT CURRENT TRANSFORMER	OF/CI OWNER FURNISHED/ CONTRACTOR INSTALLED
CTV CABLE TELEVISION	OF/IO OWNER FURNISHED/ OWNER INSTALLED
CU COPPER	OPF OBTAIN FROM PLANS
dBa UNIT OF SOUND LEVEL	OH DR OVERHEAD (COILING) DOOR
DPDT DOUBLE POLE, DOUBLE THROW	OL OVERLOAD
DS DISCONNECT SWITCH	PB PUSHBUTTON
EA EACH	PF POWER FACTOR
EM EMERGENCY	PH PHASE
EMT ELECTRICAL METALLIC TUBING	PNL PANEL
ENT ELECTRIC NONMETALLIC TUBING	PT POTENTIAL TRANSFORMER
EPO EMERGENCY POWER OFF EQUIPMENT	PTZ PAN/TILT/ZOOM
EQUIP EXISTING	QTY QUANTITY
EX EXISTING	R REMOVE
F FURNITURE MOUNTED FIRE ALARM	RCF REFLECTED CEILING PLAN
FCP FIRE ALARM CONTROL PANEL	RCP RIGID METAL CONDUIT
FLA FULL LOAD AMPS	RNC RIGID NONMETAL CONDUIT
FMC FLEXIBLE METAL CONDUIT	RR REMOVE AND RELOCATE
FOB FREIGHT ON BOARD	SIS START/STOP
FVNR FULL VOLTAGE NON-REVERSING	SCA SHORT CIRCUIT AMPS
FVR FULL VOLTAGE REVERSING	SCBA STANDARD COLOR AS SELECTED BY ARCHITECT
G GROUND	SF SQUARE FOOT (FEET)
GEN GENERATOR	SFBA STANDARD FINISH AS SELECTED BY ARCHITECT
GFCI GROUND FAULT INTERRUPTER	SPDT SINGLE POLE, DOUBLE THROW
GFP GROUND FAULT PROTECTION	SPEC SPECIFICATION
HD HEAVY DUTY	SPST SINGLE POLE, SINGLE THROW
HID HIGH INTENSITY DISCHARGE	ST SINGLE THROW
HOA HAND-OFF-AUTOMATIC	SWBD SWITCHBOARD
HP HORSE POWER	SWGR SWITCHGEAR
HPF HIGH POWER FACTOR	TL TWIST LOCK
HPS HIGH PRESSURE SODIUM	TP TELEPHONE POLE
HV HIGH VOLTAGE	TP TWISTED PAIR
HZ HERTZ	TTB TELEPHONE TERMINAL BOARD
	T TELEVISION
	TVSS TRANSIENT VOLTAGE SURGE SUPPRESSER
	TYP TYPICAL
	UF UNDERFLOOR
	UGND UNDERGROUND
	UPS UNINTERRUPTIBLE POWER SUPPLY
	V VOLTS
	VA VOLT AMPERE
	VFC/VF VARIABLE FREQUENCY
	D MOTOR CONTROLLER
	W WITH
	W/O WITHOUT
	WP WEATHERPROOF
	XFMR TRANSFORMER

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN," "NOTED," "SCHEDULED," AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED," "REQUESTED," "AUTHORIZED," "SELECTED," "APPROVED," "REQUIRED," AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER," "REQUESTED BY THE ENGINEER," AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED," WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTORS SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS INCLUDED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	
TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS." THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...	

GENERAL ELECTRICAL NOTES	
1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.	
2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.	
A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.	
B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.	
C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.	
3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS, ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.	
4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.	
5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.	
6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE A/E.	
7. TAKE OFF QUANTITIES SHOWN IN SCHEDULE(S) ARE FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OF THE DEVICES, FIXTURES, EQUIPMENT, RACEWAYS, CONDUCTORS, CABLING, ETC. SHOWN AND SPECIFIED IN THE CONTRACT DOCUMENTS INCLUDING THE EXTRA MATERIAL SPECIFIED.	

ELECTRICAL SHEET INDEX	
EE001	ELEC COVER SHEET
EE002	ELECTRICAL SPECIFICATIONS
EE003	SITE ELECTRICAL DETAILS
EE004	SITE LIGHTING DETAILS
ES101	ELECTRICAL SITE PLAN
ES201	ELECTRICAL SITE LIGHTING CALCULATIONS
ES501	SITE JUNCTION BOX DETAILS
ES601	EXTERIOR LIGHTING FIXTURE SCHEDULE
ES102	ELECTRICAL SITE DEMO PLAN



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landscape architecture | design

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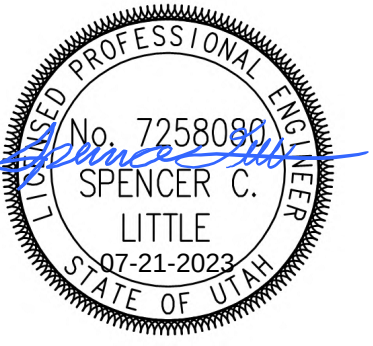
SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD

202 PARK RD
COALVILLE, UT 84017

REVISIONS

NO.	REVISION	DATE

Stamp



Designed By:	SCL
Drawn By:	AXM
Date:	07/14/23
Checked By:	SCL
Project No:	23080

Drawing Title
ELEC COVER SHEET

Drawing number

NOTE TO CONTRACTORS:
THIS SHEET SET IS CONTRACTUALLY REQUIRED TO BE PRINTED IN COLOR. THERE ARE DIFFERENTIATING FEATURES THAT ARE DESIGNATED THROUGHOUT BY THEIR COLOR. FAILURE TO PRINT THIS SHEET SET IN COLOR MAY RESULT IN A MISINTERPRETATION OF THE DRAWINGS.

COMPLY WITH THE REQUIREMENTS OF ALL REQUIRED BUILDING CODES, INCLUDING, BUT NOT LIMITED TO THE NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL ENERGY CONSERVATION CODE, LOCAL CODES, AND INTERNATIONAL BUILDING CODES.
PROVIDE AND PAY FOR ALL REQUIRED PERMITS. BIDDERS SHALL VIEW THE SITE AND SHALL INCLUDE ALL COSTS INCURRED BY EXISTING CONDITIONS IN THE BID PROPOSAL.

SUBMITTALS:

PRODUCT DATA: FOR EACH TYPE OF PRODUCT.

1. PROVIDE A PRODUCT SUMMARY PAGE OF ALL SPECIFIC PRODUCTS TO BE USED ON THE PROJECT.
2. HIGHLIGHT ALL PRODUCTS INTENDED TO BE USED.
3. SPECIFICALLY CROSS OUT PRODUCTS THAT ARE NOT INTENDED TO BE USED.
4. PDF SUBMITTAL SHALL BE BOOKED MARKED WITH CORRECT LABELING TO QUICKLY GO TO THE PAGE IN THE SUBMITTAL WITH THE INFORMATION ON THE PRODUCT.
5. SUBMITTALS THAT DO NOT MEET THESE REQUIREMENTS WILL BE REJECTED.

INSTALLATION REQUIREMENTS:

SAFETY:

SEISMIC BRACING AND SUPPORTS:

GUARANTEE:

MATERIALS AND METHODS:

ARMORED CABLE (AC) NOT PERMITTED ON THIS PROJECT.

METAL-CLAD CABLE (MC) MAY BE USED WHEN CONCEALED IN WALLS OR ABOVE DROPPED CEILINGS (SUCH AS ACoustICAL LYNE TILE CEILING) AND FOR LENGTHS NO LONGER THAN 6 FEET FOR EXPOSED CONDITIONS. SEE WIRING METHOD 10 BELOW.

NONMETALLIC SHEATHED CABLE (NM, IMC, NMS, ROMEK) NOT PERMITTED ON THIS PROJECT.

SERVICE-ENTRANCE CABLE (SE, USE, SER) NOT PERMITTED ON THIS PROJECT.

RIGID METAL CONDUIT (RMC) ALLOWED.

INTERMEDIATE METAL CONDUIT (IMC) SHALL BE USED IN WET LOCATIONS OR IN AREAS SUBJECT TO DAMAGE.

FLEXIBLE METAL CONDUIT (FMC) MAY BE USED WHEN INSTALLED PER CODE AND IN LENGTHS NO LONGER THAN 6 FEET WHERE FLEXIBILITY IS NECESSARY AND WHEN CONNECTING TO EQUIPMENT SUBJECT TO VIBRATION SUCH AS MOTORS OR TRANSFORMERS.

RIGID POLYVINYL CHLORIDE CONDUIT (PVC) SHALL BE USED FOR UNDERGROUND. SHALL BE SCHEDULE 40.

ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED IN DRY LOCATIONS NOT SUBJECT TO DAMAGE AND WHERE CODE.

ELECTRICAL NONMETALLIC TUBING (ENT) MAY BE USED WHEN CONCEALED AND FOR LOW VOLTAGE CABLEING (VOICE, DATA, TV, AUDIO, VISUAL, ETC.).

WIRING DEVICES:

FLOOR BOXES:

OCCUPANCY SENSORS:

ELECTRICAL PANELBOARDS, SWITCHBOARDS & BREAKERS

EQUIPMENT CONNECTIONS:

CONNECT EACH ITEM OF MECHANICAL OR OTHER TYPES OF EQUIPMENT SHOWN ON THE DRAWINGS, PROVIDING ALL POWER REQUIREMENTS. VERIFY EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO ROUGHING-IN AND ORDERING EQUIPMENT.

PROVIDE ALL ELECTRICAL REQUIREMENTS UNDER THIS WORK, WHETHER SPECIFICALLY SHOWN OR NOT. CONTROL DEVICES AND CONTROL WIRING WILL BE FURNISHED AND INSTALLED UNDER OTHER WORK UNLESS SPECIFICALLY CALLED FOR ON THE ELECTRICAL DRAWINGS.

PROVIDE ALL CONTROL WIRING FOR GENERATOR AND TRANSFER SWITCHES.

PROVIDE ALL ELECTRICAL AS REQUIRED BY THE ELEVATOR MANUFACTURER PER THEIR SUBMITTAL AND SHOP DRAWINGS.

PROVIDE ALL ELECTRICAL TO POOL/SPA EQUIPMENT PER SHOP DRAWINGS AND SUBMITTALS.

LIGHTING CONTROL RELAY PANEL:

LIGHTING COMMISSIONING:

THE CONTRACTOR SHALL PERFORM OR SHALL ENGAGE A PARTY TO PERFORM THE FOLLOWING TESTS AND INSPECTIONS WITH THE ASSISTANCE OF A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE.

ENSURE THAT THE LIGHTING CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS COMPLY WITH 2018 IECC SECTION 408.3.

ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND IN MANUFACTURER'S INSTALLATION INSTRUCTIONS.

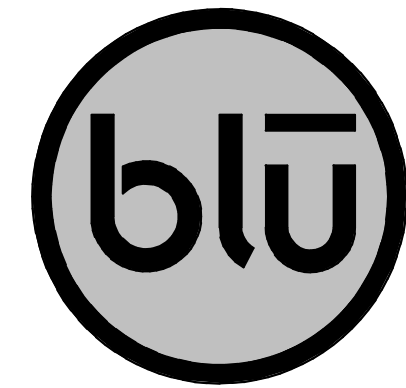
WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED PARTY INDEPENDENT FROM THE DESIGN OR CONSTRUCTION OF THE PROJECT SHALL BE RESPONSIBLE FOR THE FUNCTIONAL TESTING AND SHALL PREPARE A QUALITY CONTROL PLAN. THE QUALITY CONTROL PLAN SHALL CERTIFY THAT THE INSTALLED LIGHTING CONTROLS MEET THE PROVISIONS OF 2018 IECC SECTION C405.

PROVIDE THE FOLLOWING PROCEDURES FOR EACH: OCCUPANT SENSOR, TIME SWITCH, PROGRAMMABLE SCHEDULE CONTROL, PHOTOSENSOR, AND DAYLIGHTING CONTROL.

CONFIRM THAT THE PLACEMENT, SENSITIVITY, AND TIME-OUT ADJUSTMENTS FOR THE OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCES.

CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.

CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR THE PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

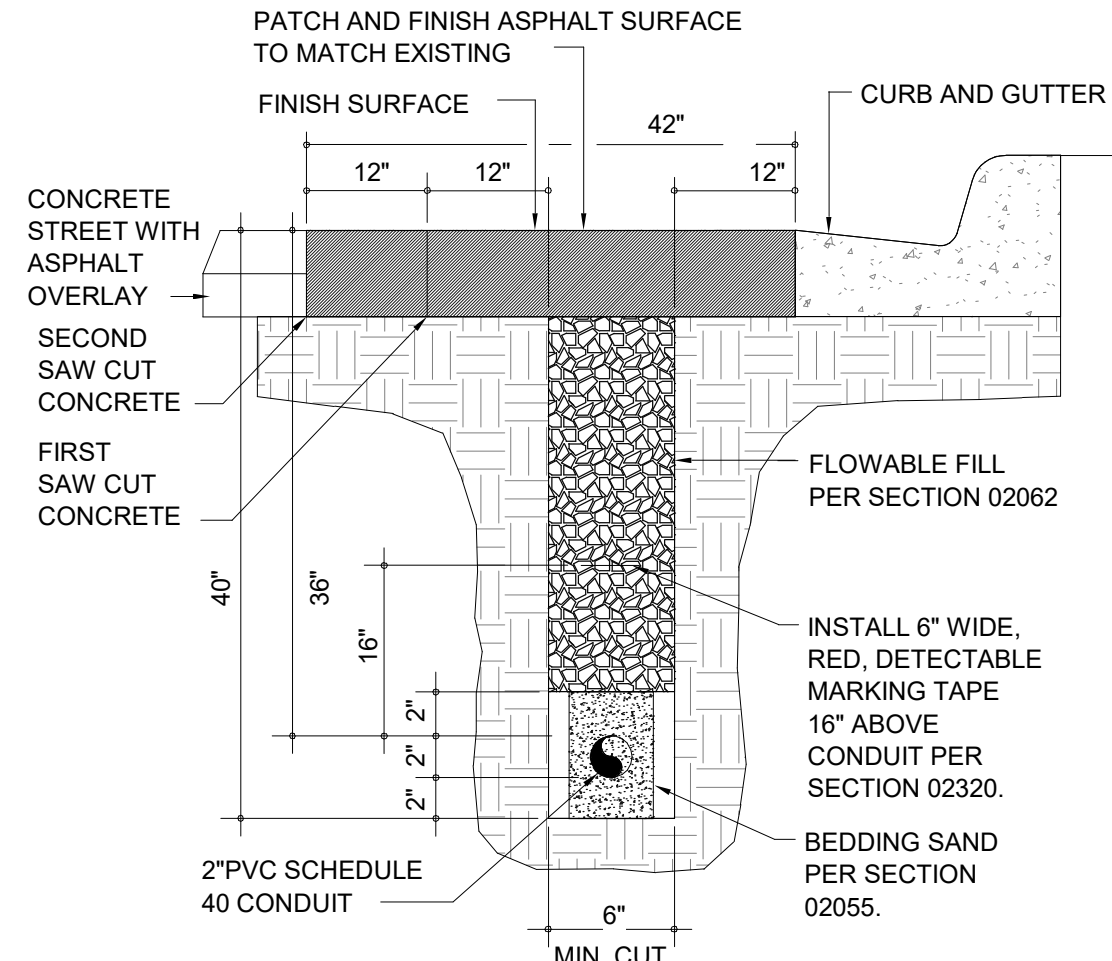


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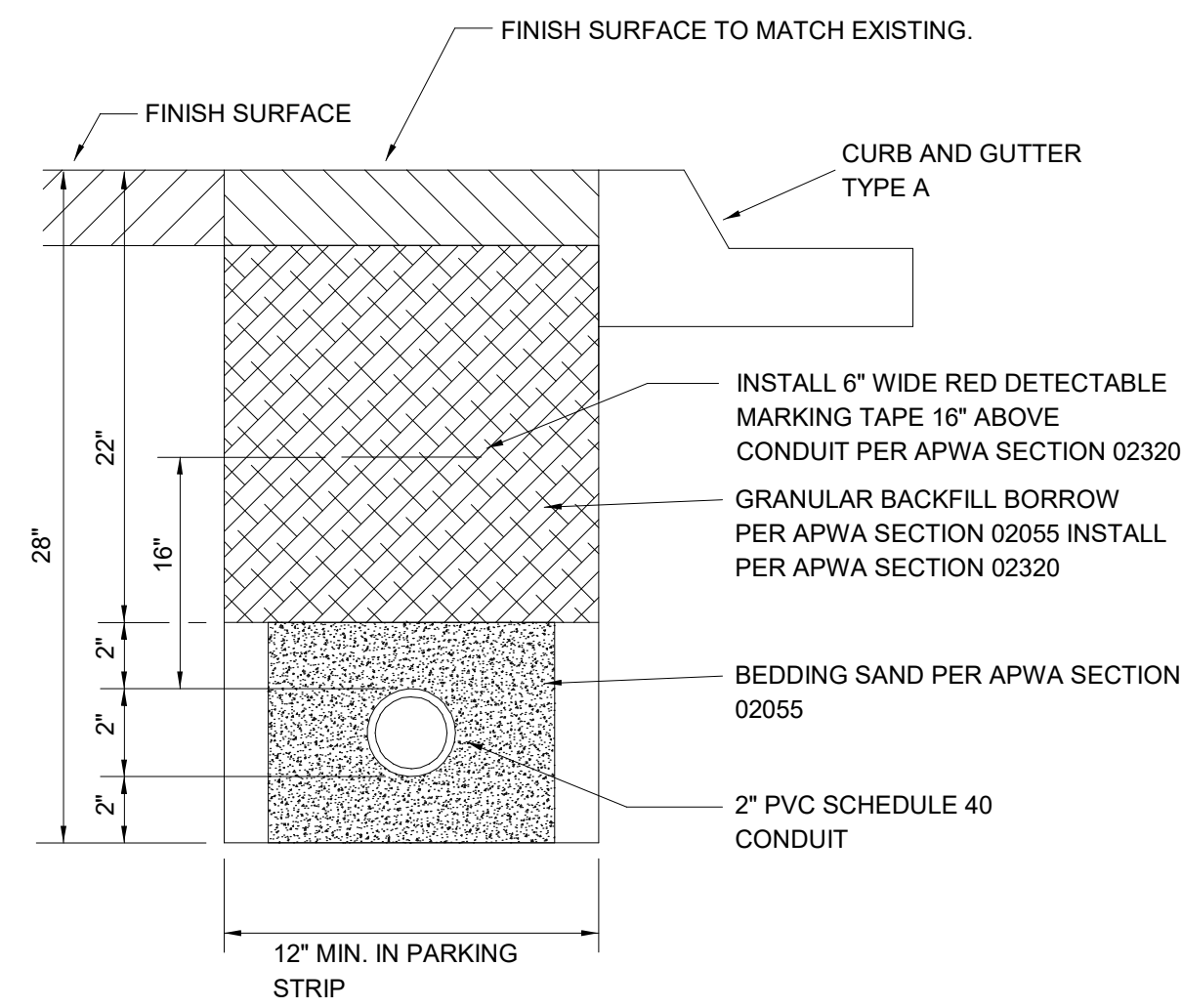
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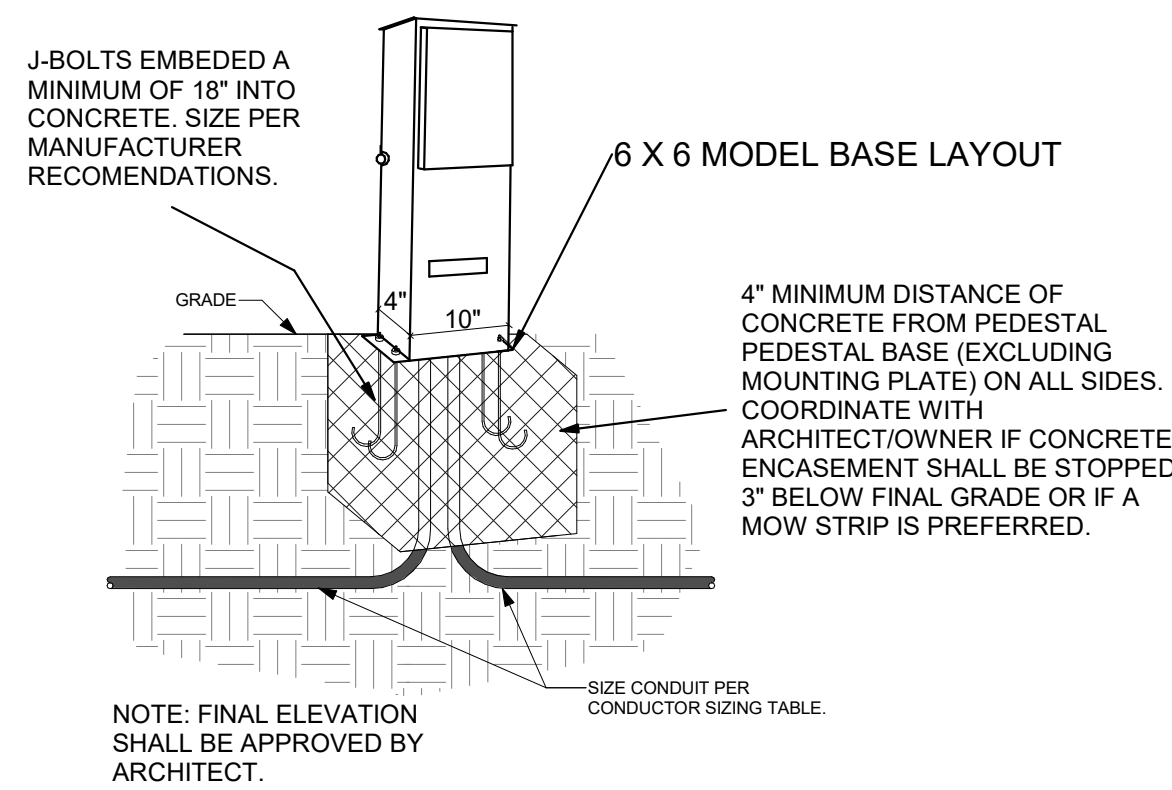
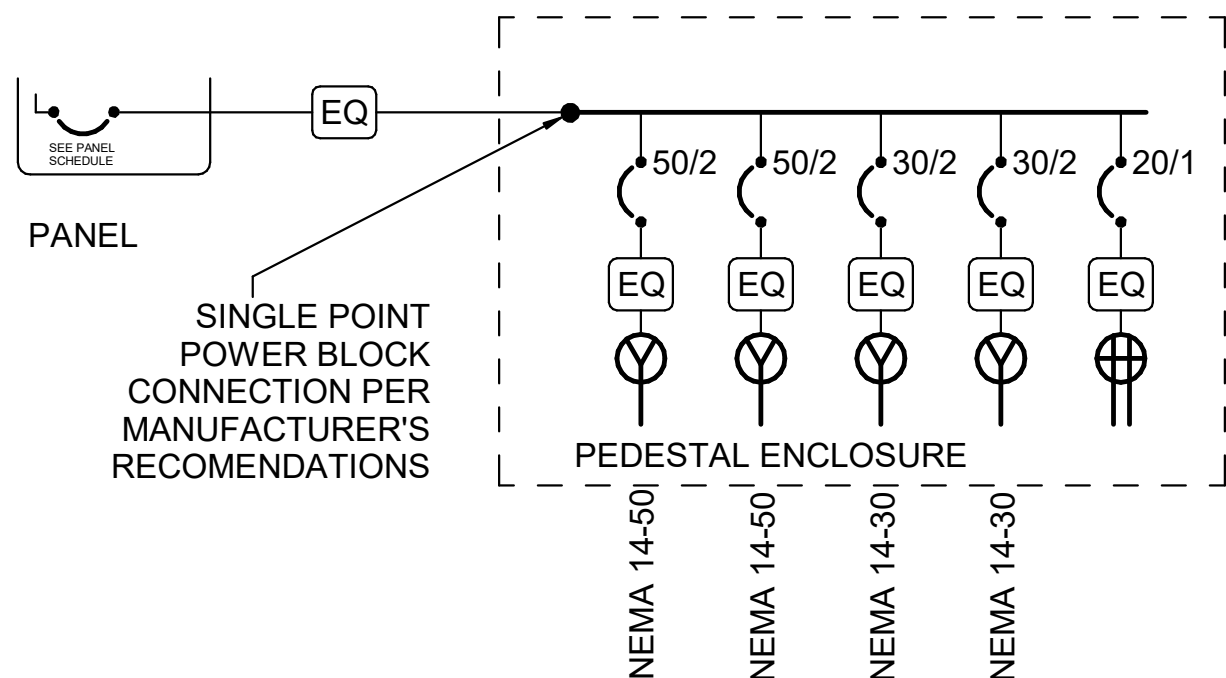


4 TRENCH DETAIL - IN STREET
SCALE: NTS



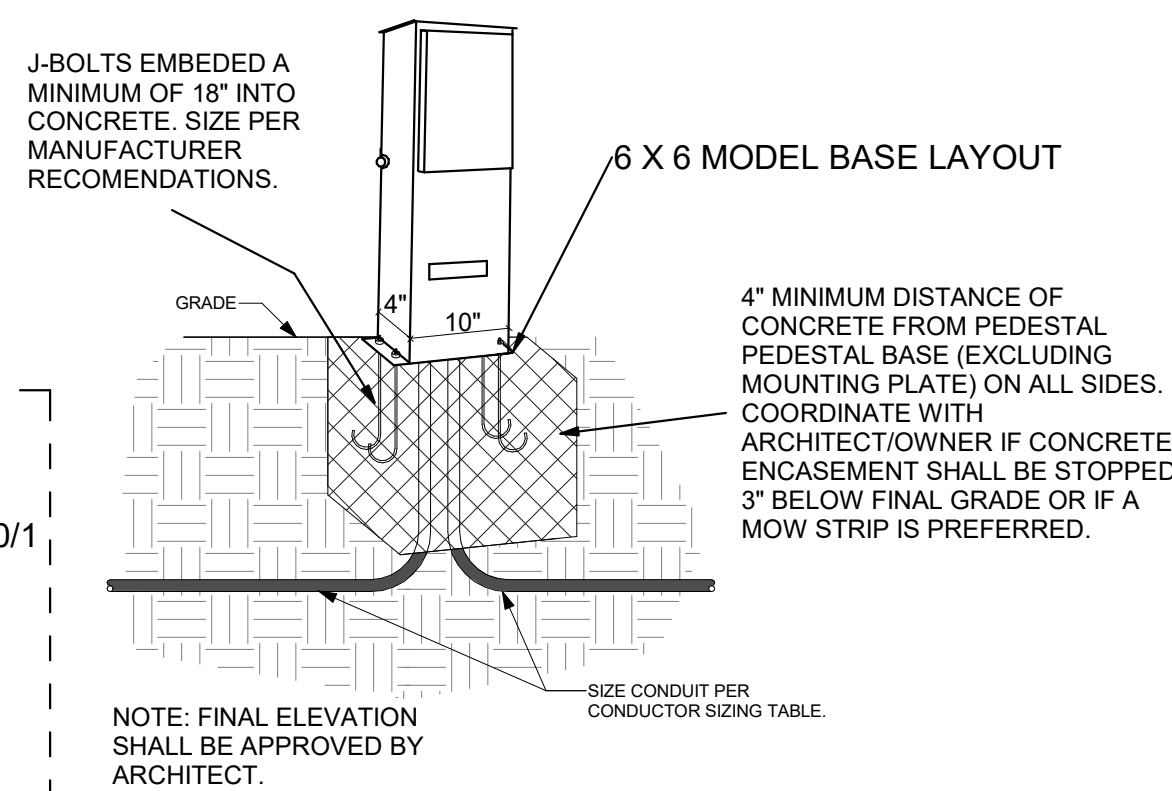
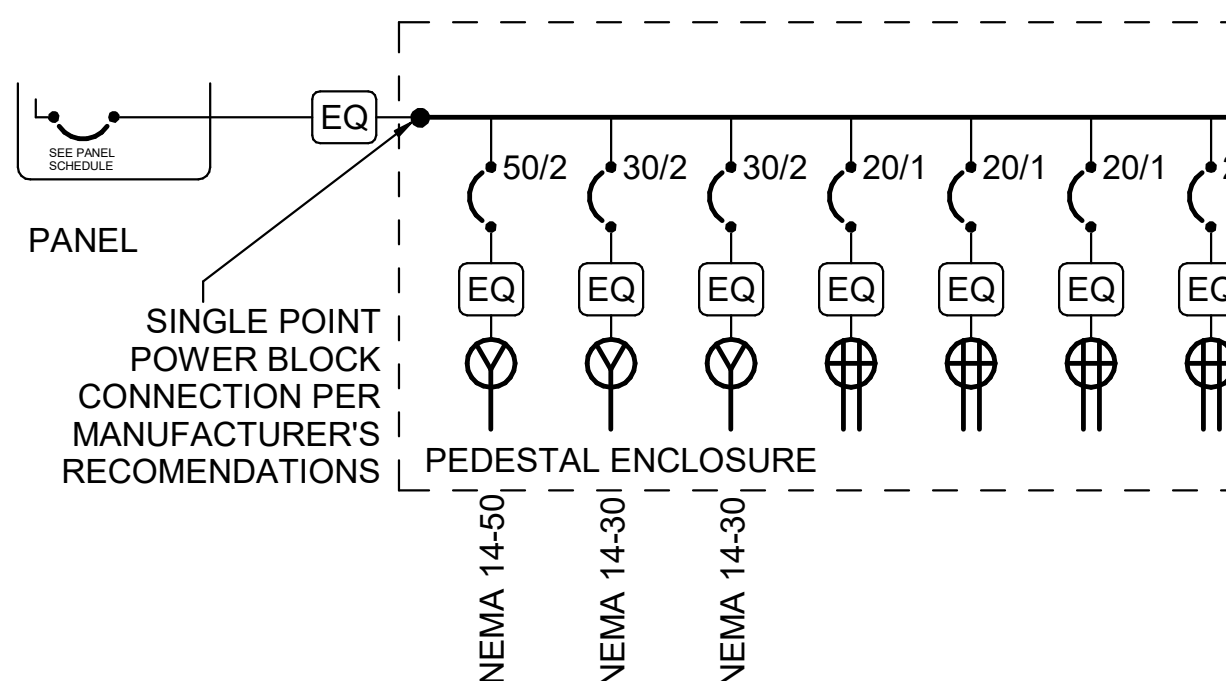
3 TRENCH DETAIL - NON TRAFFIC AREA
SCALE: NTS

HEAVY DUTY POWER PEDESTAL		
TAG	MANUFACTURER	CATALOG NUMBER
PP1G	EATON	CHU1N7N4NP
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF PEDESTAL DESIGN FROM MANUFACTURER TO ENGINEER FOR REVIEW PRIOR TO ORDERING.		ORDER CONTACT.



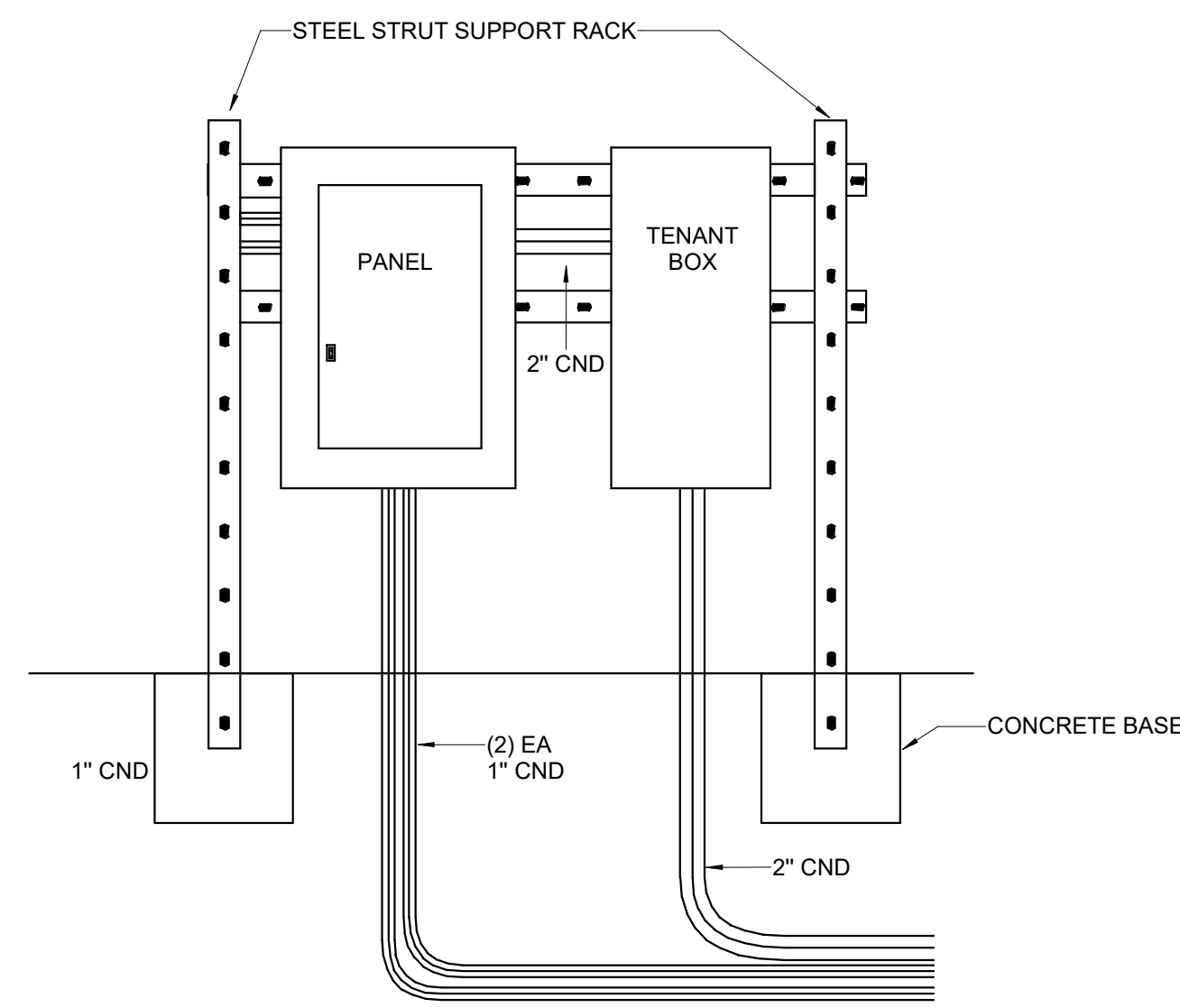
6 POWER PEDESTAL AND DETAIL SCHEDULE - (2) 50 AMP
SCALE: NTS

HEAVY DUTY POWER PEDESTAL		
TAG	MANUFACTURER	CATALOG NUMBER
PP1G	EATON	CHU1N7N4NP
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF PEDESTAL DESIGN FROM MANUFACTURER TO ENGINEER FOR REVIEW PRIOR TO ORDERING.		ORDER CONTACT.



5 POWER PEDESTAL AND DETAIL SCHEDULE - (1) 50 AMP
SCALE: NTS

2 TYPICAL CONDUIT DIRECT BURY DETAIL
SCALE: NTS



1 PEDASTAL MOUNTED PANEL AND TENANT BOX
SCALE: NTS

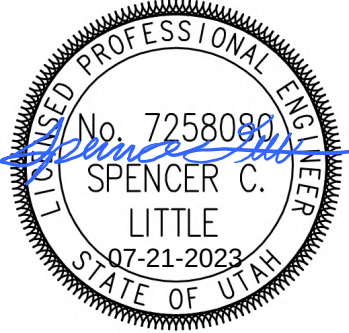
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MULTIPURPOSE FIELD

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REVISIONS	
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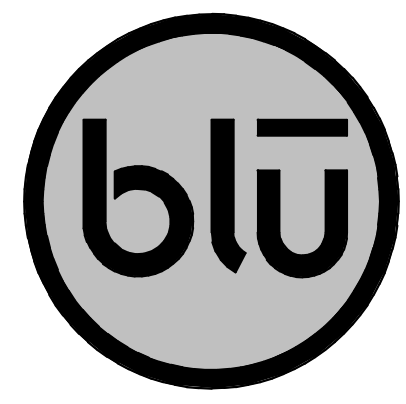


Designed By: SCL
Drawn By: AXM
Date: 07/14/23
Checked By: SCL
Project No: 23080

Drawing Title
SITE ELECTRICAL
DETAILS

Drawing number

EE003



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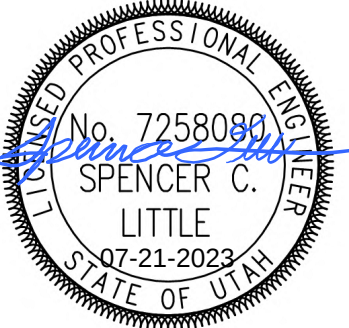
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NO.	DESCRIPTION

Stamp



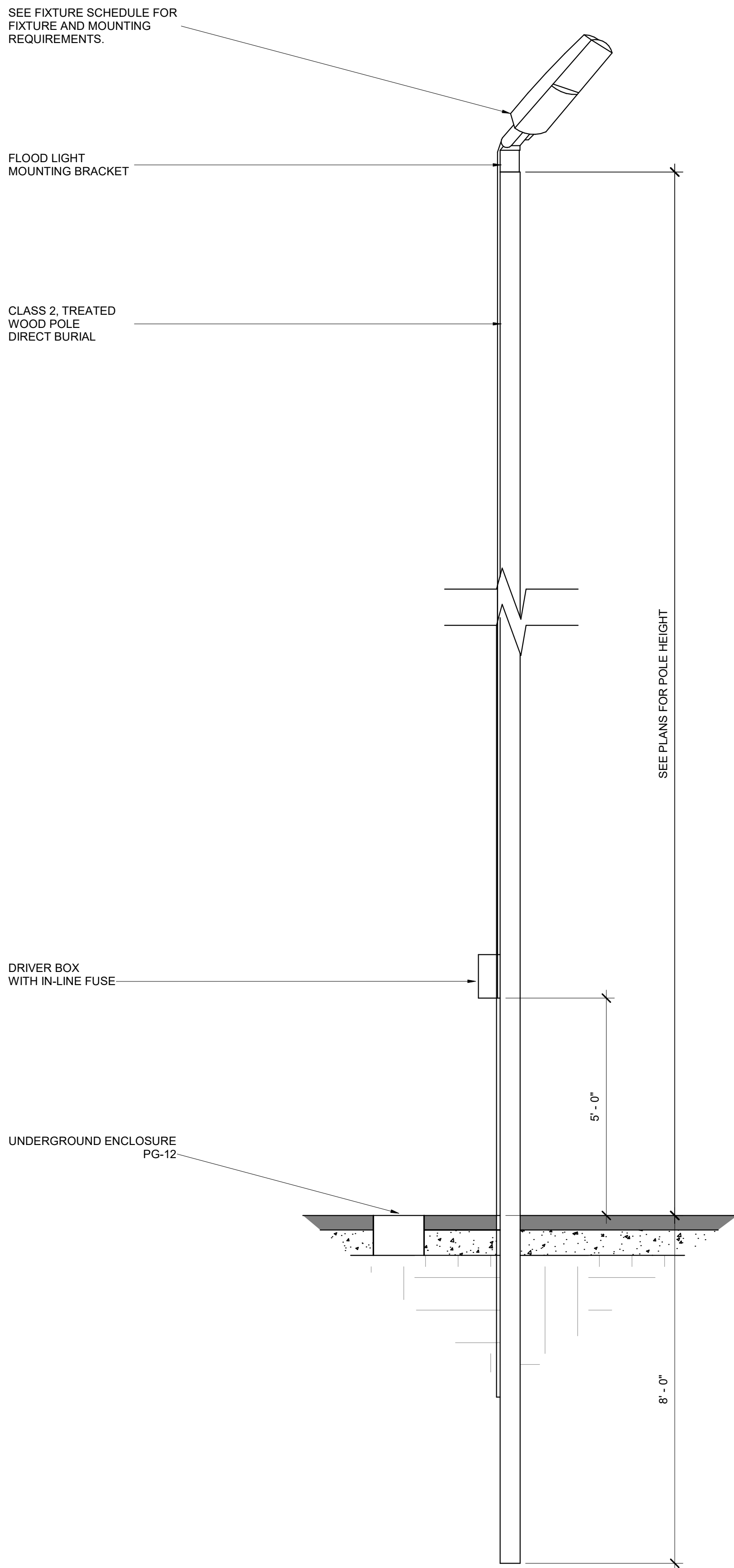
Designed By:	Designer
Drawn By:	Author
Date:	07/14/23
Checked By:	Checker
Project No:	230360

Drawing Title
**SITE LIGHTING
DETAILS**

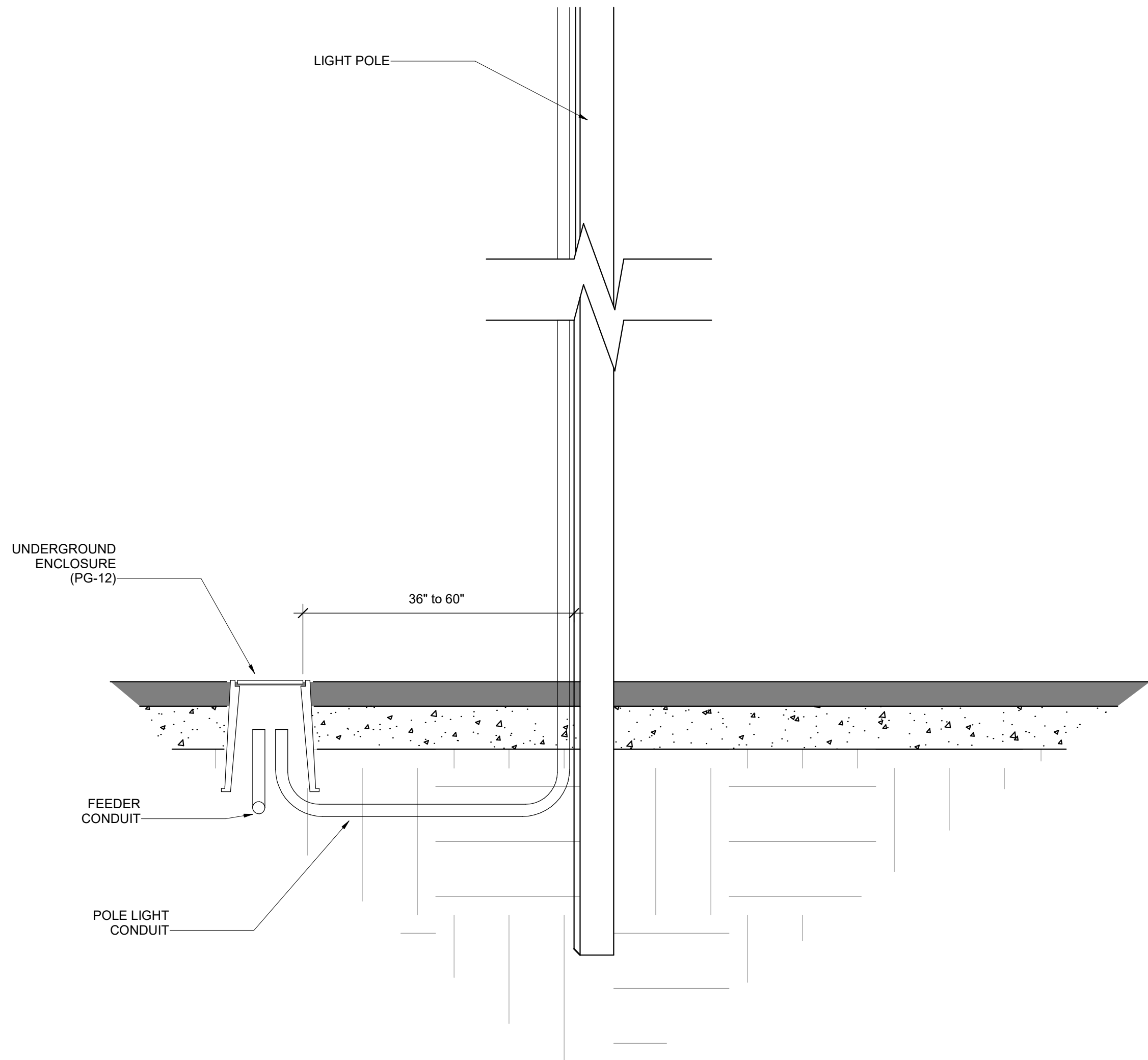
Drawing number

EE004

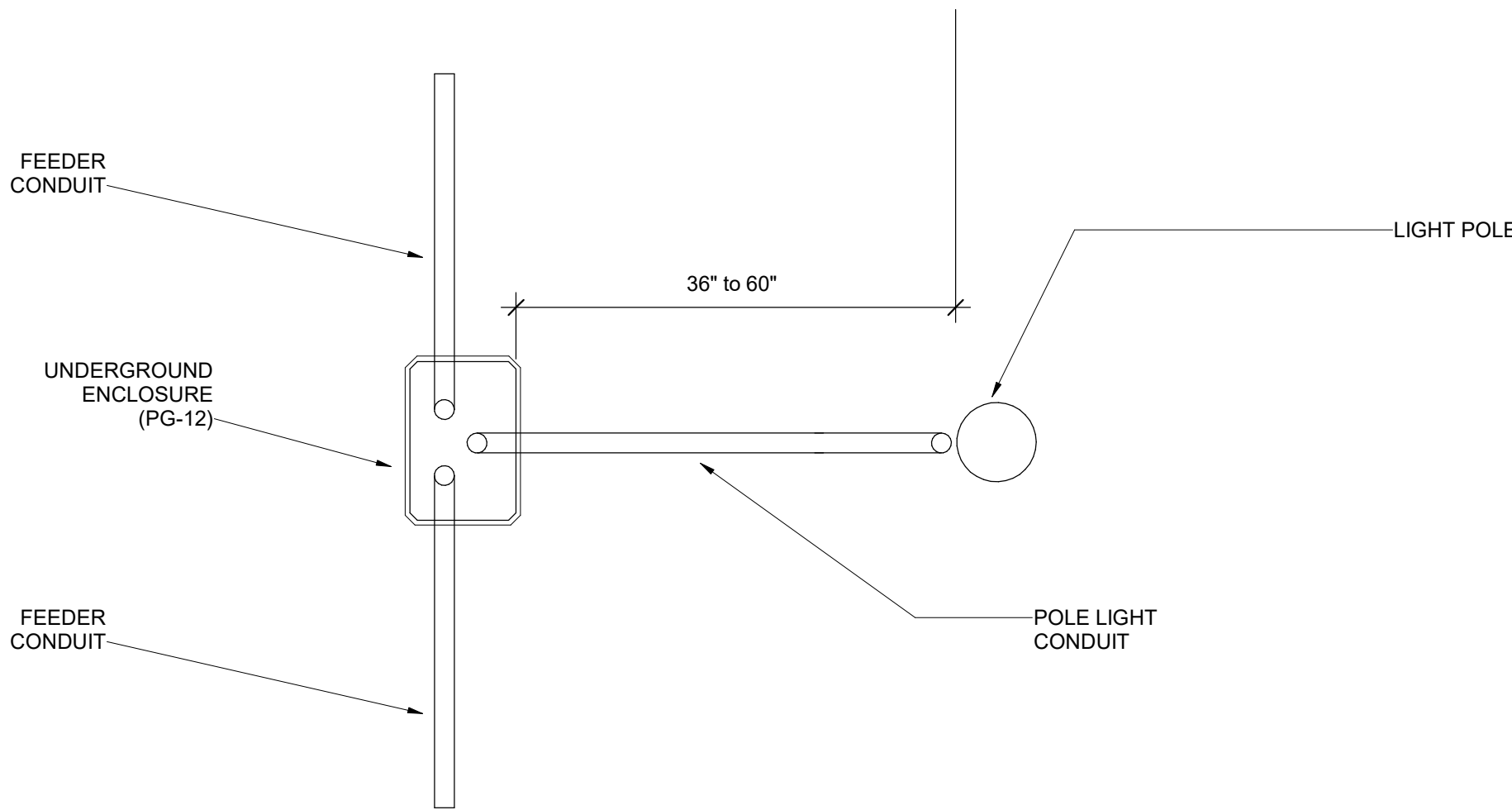
DESIGN REVIEW - NOT FOR CONSTRUCTION



1 SINGLE FLOOD DETAIL
SCALE: NTS

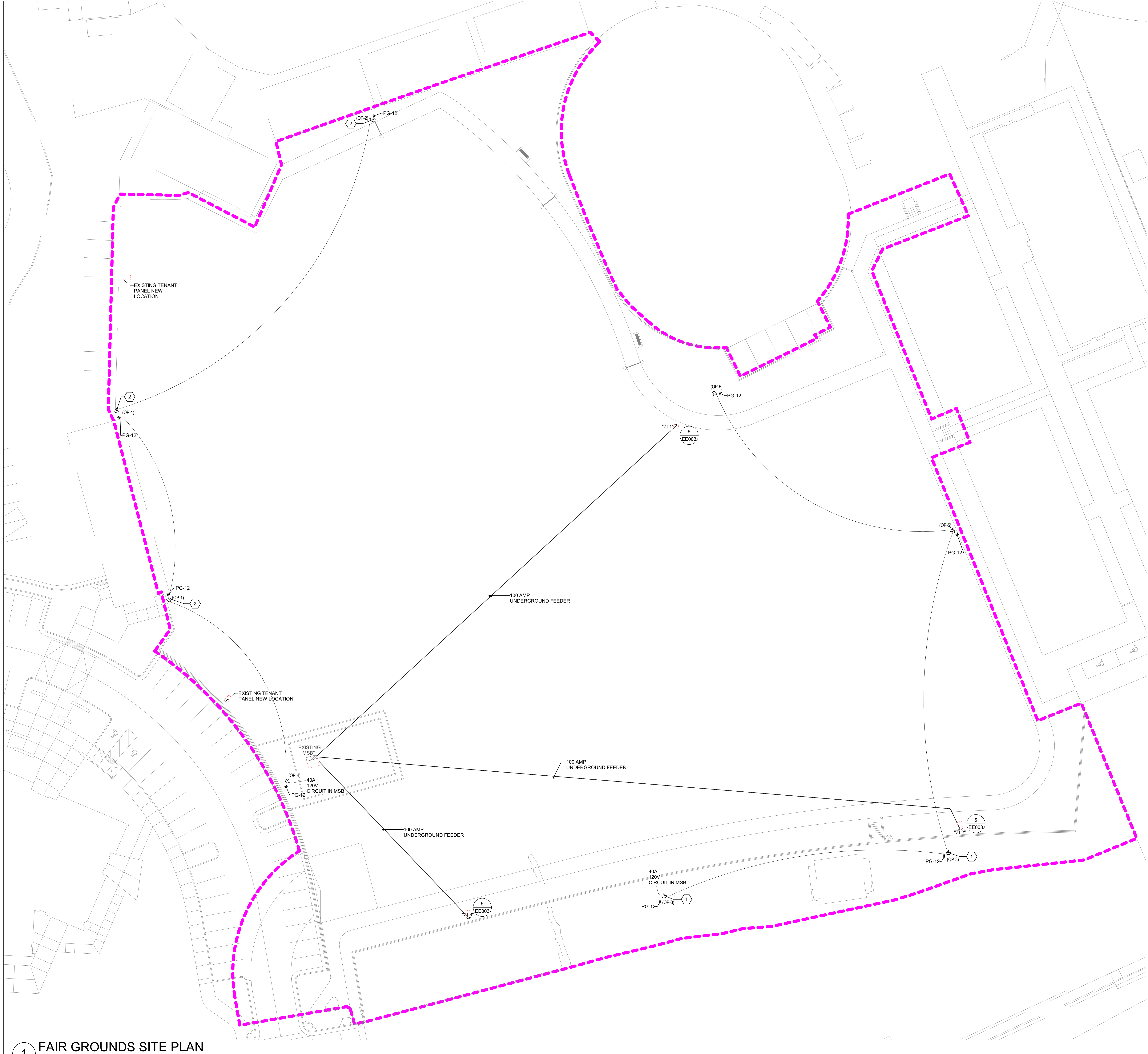


SECTION VIEW



TOP VIEW

2 LIGHT POLE AND UNDERGROUND JUNCTION BOX DETAIL
SCALE: NTS



1 FAIR GROUNDS SITE PLAN
SCALE: 1" = 20'-0"

GENERAL SHEET NOTES

1

THE ELECTRICAL CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PERFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS EQUIPMENT AND ROUTINGS. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WEATHER SHOWN ON THE DRAWINGS OR NOT.

2

FOR ALL POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.

3

CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.

4

CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH ARCHITECT AND CIVIL DRAWINGS. CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH ARCHITECT AND CIVIL DRAWINGS.

5

THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.

6

REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.

7

PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.

8

SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. SEE NEC 110.24, (B)

SHEET KEYNOTES

1

LOCATION OF EXISTING POLES TO BE REUSED. SEE A11EE004 FOR DIRECT BURIAL INFORMATION.

2

LUMINAIRE HEAD TO BE MOUNTED TO EXISTING POLE IN SAME LOCATION.

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REVISIONS

NO.	DATE	DESCRIPTION
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Stamp

Professional Engineer

No. 7258089

SPENCER C. LITTLE

07-21-2022

STATE OF UTAH

Designed By: SCL

Drawn By: AXM

Date: 07/14/23

Checked By: SCL

Project No: 230080

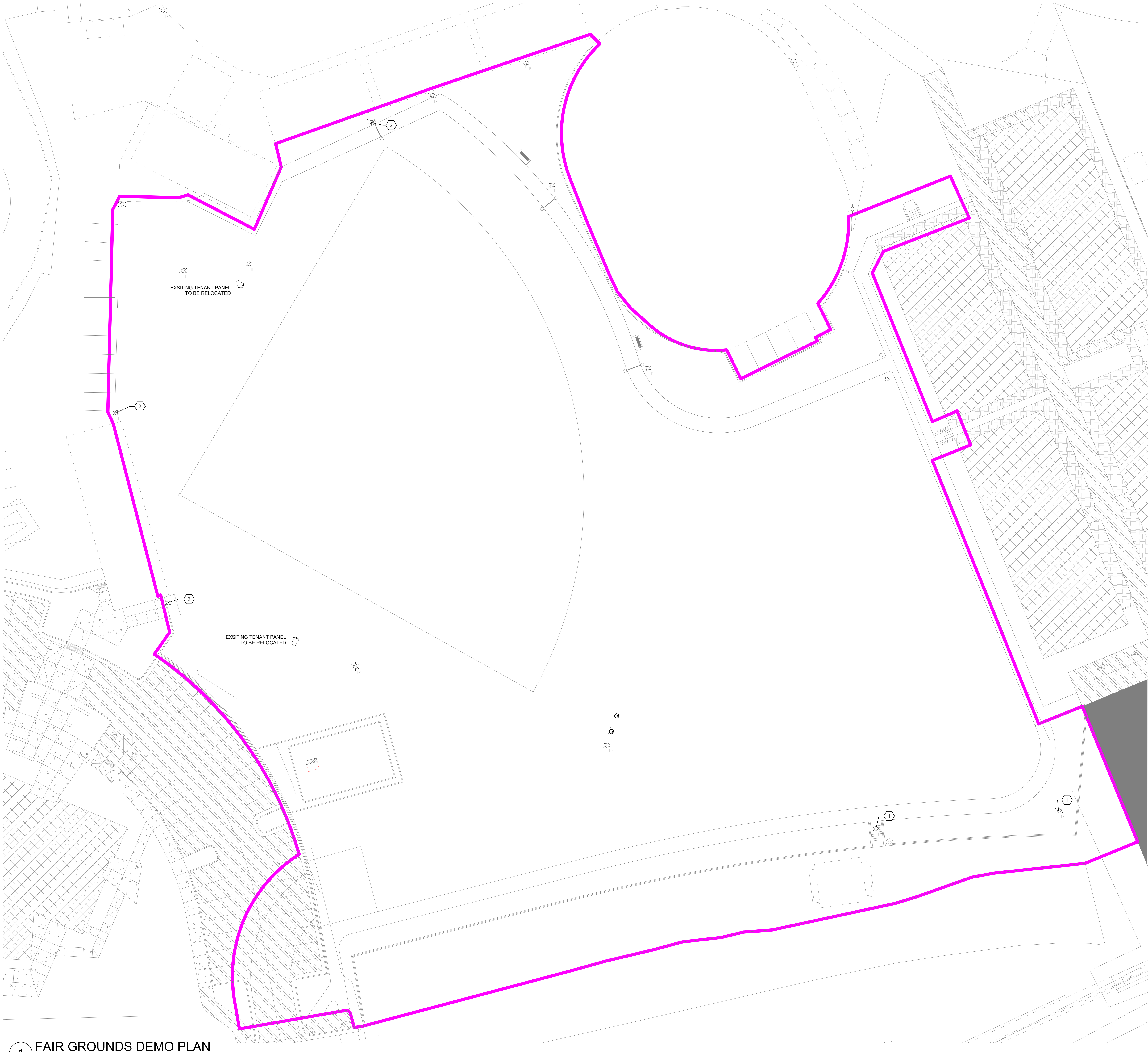
Drawing Title

ELECTRICAL
SITE PLAN

Drawing number

ES101

Page 15 of 26



1 FAIR GROUNDS DEMO PLAN
SCALE: 1" = 20'-0"

- ### GENERAL SHEET NOTES
- 1 THE ELECTRICAL CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PERFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WEATHER SHOWN ON THE DRAWINGS OR NOT.
 - 2 FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.
 - 3 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.
 - 4 THE ELECTRICAL CONTRACTOR SHALL HAVE ANY AND ALL CONCRETE POLE BASES AND SLABS REVIEWED BY A STRUCTURAL ENGINEER AND SHALL MODIFY DESIGN PER STRUCTURAL ENGINEER'S AND OR AHJ'S RECOMMENDATIONS.
 - 5 THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.
 - 6 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
 - 7 PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.
 - 8 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. SEE NEC 110.24 (B)
 - 9 UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION TEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - 9.1 DISCONNECT AND REMOVE ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - 9.2 RELOCATE, REQUIRE, AND / OR RECONNECT ANY / ALL FIXTURES DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - 9.3 LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING AND SITE NOT BEING REMODELED IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - 9.4 REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE. TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO., OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - 9.5 EXISTING RACEWAYS MAY BE REUSED, IF IN-PLACE, WHERE POSSIBLE AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - 9.6 COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

- ### SHEET KEYNOTES
- 1 CAREFULLY REMOVE AND MAINTAIN STRUCTURAL INTEGRITY TO BE REUSED ON NEW PHASE. SEE A1/EE004 FOR DIRECT BURIAL INFORMATION.
 - 2 EXISTING POLE TO REMAIN. LUMINAIRE HEAD UPGRADE ONLY.



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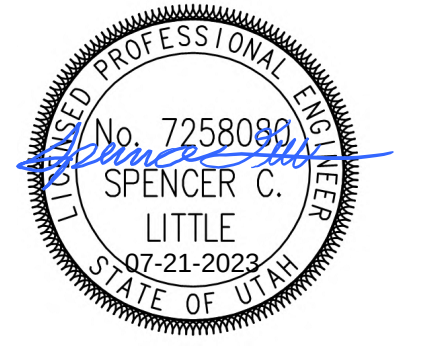
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MULTIPURPOSE FIELD**

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REVISIONS	
NO.	DESCRIPTION

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Designed By: SCL
Drawn By: AXM
Date: 07/14/23
Checked By: SCL
Project No: 230380

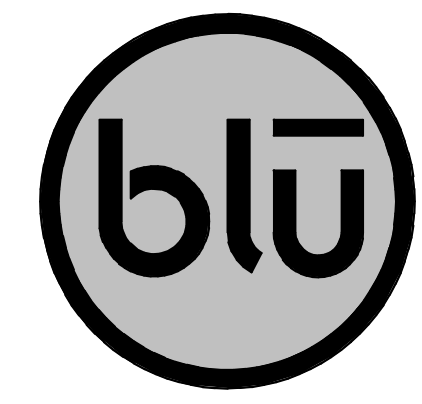
Drawing Title
**ELECTRICAL
SITE DEMO
PLAN**

Drawing number

ES102



FAIR GROUNDS SITE PLAN - LIGHTING CALCULATIONS
1" = 20'-0"



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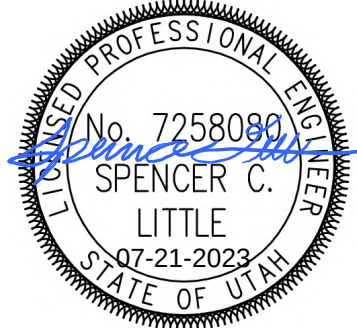
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202 PARK RD
COALVILLE, UT 84017

DESIGN REVIEW - NOT FOR CONSTRUCTION

REVISIONS	
NO.	DESCRIPTION

Stamp



Designed By: SCL
Drawn By: AKM
Date: 07/14/23
Checked By: SCL
Project No: 230380

Drawing Title

ELECTRICAL
SITE LIGHTING
CALCULATIONS

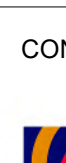
Drawing number

ES201

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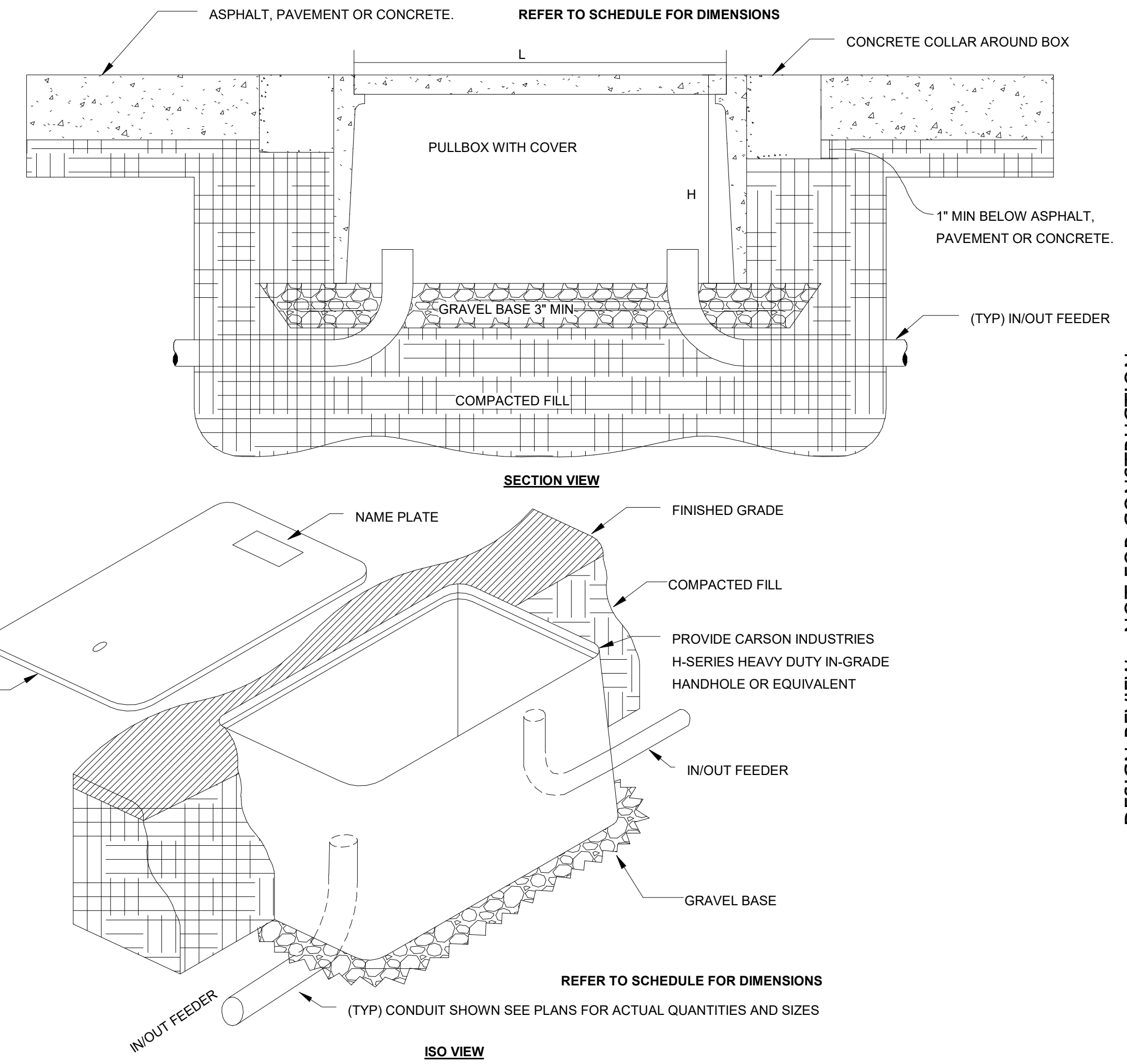
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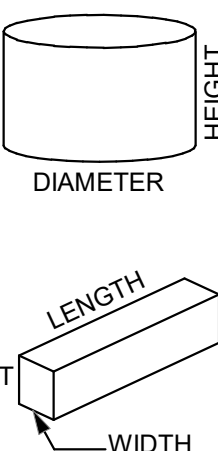
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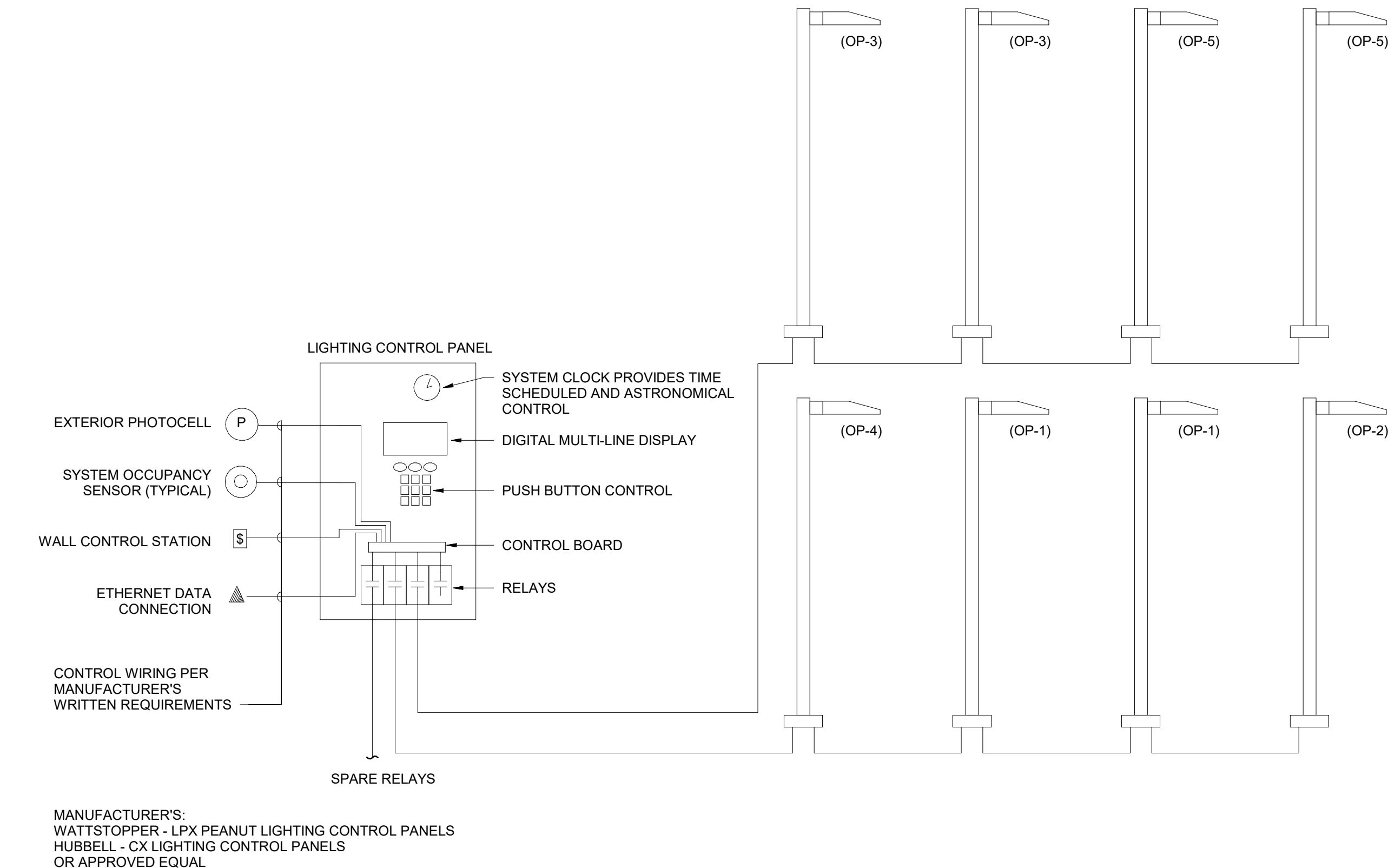
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Designed By:	SCL
Drawn By:	AXM
Date:	07/14/23
Checked By:	SCL
Project No:	2303080

SITE JUNCTION BOX DETAILS

Drawing number

ES501

EXTERIOR LIGHTING FIXTURE SCHEDULE												
GENERAL NOTES												
			- SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING. - SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES. - ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION. - VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. - COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS. - ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER. - CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED. CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.									
ID	DESCRIPTION	SIZE (NOMINAL)	BUG RATING			LUMINAIRE			DRIVER			MANUFACTURER
			BACK	UP	GLARE	LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	
(OP-1)	DESCRIPTION: LED TYPE 4 AREA FLOOD LIGHT ON CLASS 2 TREATED WOOD POLE; REMOTE DRIVER TO BOX LOCATED ON SIDE OF POLE, POLE HEIGHT AND HEAD CONFIGURATION NOTED ON PLANS MOUNTING: POLE MOUNTED FINISH: SCBA OPTICS: OPTIONS: 30'-0" CLASS 2 TREATED WOOD POLE. POLE HEIGHT IS ABOVE GRADE; PROVIDE NEMA 3R FUSE BOX WITH DIN RAIL MOUNTED IN-LINE FUSE HOLDERS AND 15A FUSES WITH RUBBER INSULATING BOOTS (ONE PAIR OF FUSES PER EACH LIGHT FIXTURE) EM:	LENGTH: 22.5" WIDTH: 13" DEPTH: 5"				39,312	3000K	70	LED DRIVER	120/277	307	CHM (FL SERIES)
(OP-2)	DESCRIPTION: LED TYPE 4 AREA FLOOD LIGHT ON CLASS 2 TREATED WOOD POLE; REMOTE DRIVER TO BOX LOCATED ON SIDE OF POLE, POLE HEIGHT AND HEAD CONFIGURATION NOTED ON PLANS MOUNTING: POLE MOUNTED FINISH: SCBA OPTICS: OPTIONS: 30'-0" CLASS 2 TREATED WOOD POLE. POLE HEIGHT IS ABOVE GRADE; PROVIDE NEMA 3R FUSE BOX WITH DIN RAIL MOUNTED IN-LINE FUSE HOLDERS AND 15A FUSES WITH RUBBER INSULATING BOOTS (ONE PAIR OF FUSES PER EACH LIGHT FIXTURE) EM:	LENGTH: 22.5" WIDTH: 13" DEPTH: 5"				79,052	3000K	70	LED DRIVER	120/277	613	CHM (FL SERIES)
(OP-3)	DESCRIPTION: LED TYPE 4 AREA FLOOD LIGHT ON CLASS 2 TREATED WOOD POLE; REMOTE DRIVER TO BOX LOCATED ON SIDE OF POLE, POLE HEIGHT AND HEAD CONFIGURATION NOTED ON PLANS MOUNTING: POLE MOUNTED TO EXISTING POSTS MAINTAINED IN DEMO PHASE FINISH: SCBA OPTICS: OPTIONS: 30'-0" CLASS 2 TREATED WOOD POLE. POLE HEIGHT IS ABOVE GRADE; PROVIDE NEMA 3R FUSE BOX WITH DIN RAIL MOUNTED IN-LINE FUSE HOLDERS AND 15A FUSES WITH RUBBER INSULATING BOOTS (ONE PAIR OF FUSES PER EACH LIGHT FIXTURE) EM:	LENGTH: 22.5" WIDTH: 13" DEPTH: 5"				79,052	3000K	70	LED DRIVER	120/277	613	CHM (FL SERIES)
(OP-4)	DESCRIPTION: LED TYPE 4 AREA FLOOD LIGHT ON CLASS 2 TREATED WOOD POLE; REMOTE DRIVER TO BOX LOCATED ON SIDE OF POLE, POLE HEIGHT AND HEAD CONFIGURATION NOTED ON PLANS MOUNTING: POLE MOUNTED FINISH: SCBA OPTICS: OPTIONS: 50'-0" CLASS 2 TREATED WOOD POLE. POLE HEIGHT IS ABOVE GRADE; PROVIDE NEMA 3R FUSE BOX WITH DIN RAIL MOUNTED IN-LINE FUSE HOLDERS AND 15A FUSES WITH RUBBER INSULATING BOOTS (ONE PAIR OF FUSES PER EACH LIGHT FIXTURE) EM:	LENGTH: 22.5" WIDTH: 13" DEPTH: 5"				39,312	3000K	70	LED DRIVER	120/277	307	CHM (FL SERIES)
(OP-5)	DESCRIPTION: LED TYPE 4 AREA FLOOD LIGHT ON CLASS 2 TREATED WOOD POLE; REMOTE DRIVER TO BOX LOCATED ON SIDE OF POLE, POLE HEIGHT AND HEAD CONFIGURATION NOTED ON PLANS MOUNTING: POLE MOUNTED FINISH: SCBA OPTICS: OPTIONS: 50'-0" CLASS 2 TREATED WOOD POLE. POLE HEIGHT IS ABOVE GRADE; PROVIDE NEMA 3R FUSE BOX WITH DIN RAIL MOUNTED IN-LINE FUSE HOLDERS AND 15A FUSES WITH RUBBER INSULATING BOOTS (ONE PAIR OF FUSES PER EACH LIGHT FIXTURE) EM:	LENGTH: 22.5" WIDTH: 13" DEPTH: 5"				79,052	3000K	70	LED DRIVER	120/277	613	CHM (FL SERIES)



1 LIGHTING CONTROL PANEL RISER DIAGRAM
SCALE: NTS

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SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD
202 PARK RD
COALVILLE, UT 84017

REVISIONS

NO.	DATE	DESCRIPTION

Stamp

No. 7258089

SPENCER C. LITTLE

07-21-2022

STATE OF UTAH

DESIGNED BY: SCL
DRAWN BY: AXM
DATE: 07/14/23
CHECKED BY: SCL
PROJECT NO: 230080

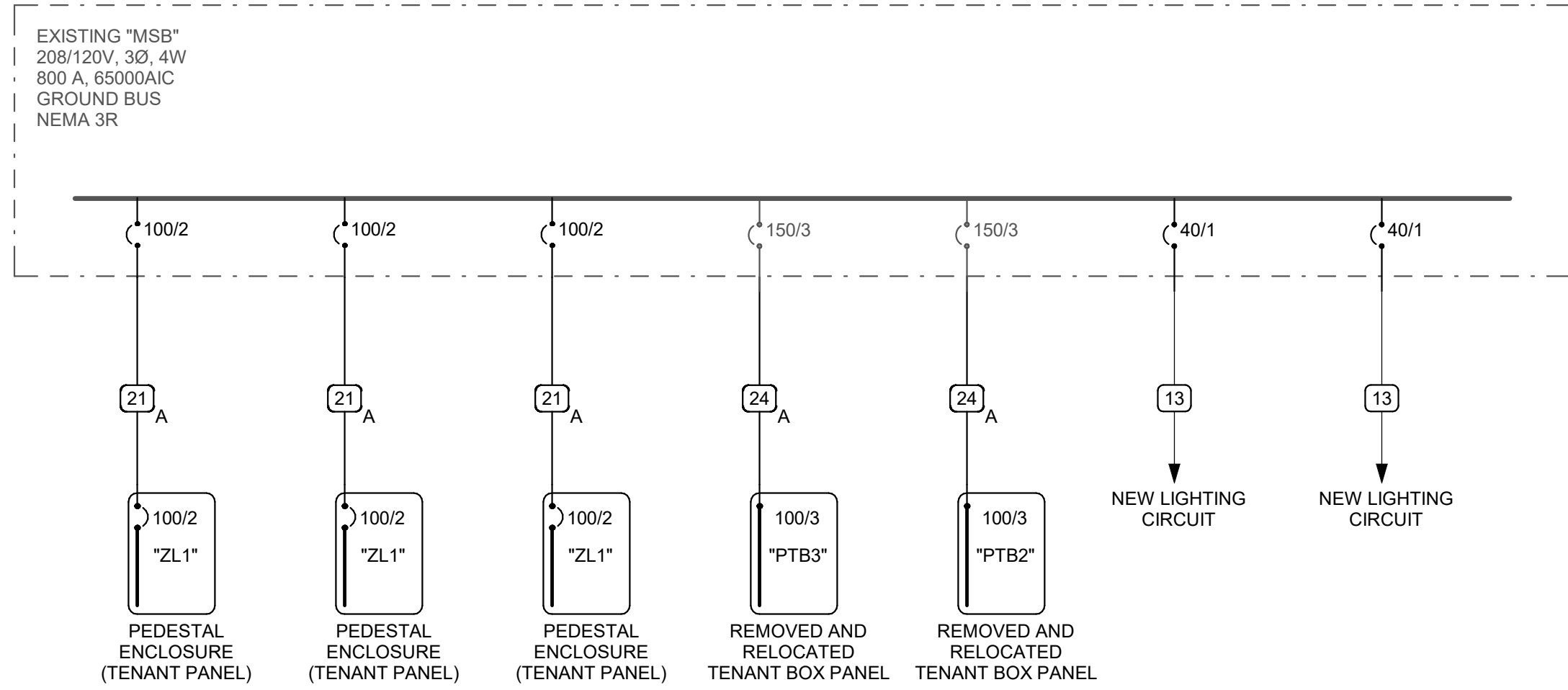
Drawing Title

EXTERIOR LIGHTING FIXTURE SCHEDULE

Drawing number

ES601

Page 19 of 26



ALUMINUM CONDUCTOR AND CONDUIT SCHEDULE

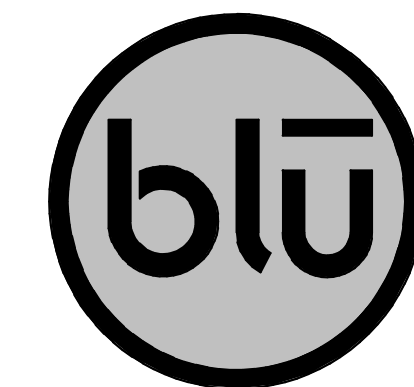
SCHEDULE NUMBER		(E.G.) 5		IG		SUBSCRIPT (NOTE 5)		
SYM	AMP	CONDUIT SIZE	CONDUCTOR (NOTE 1) QTY	SIZE	G	IG	SE	NOTES
1A								
2A								
3A								
4A								
5A								
6A								
7A								
8A								
9A								
10A								
11A								
12A								
13A								
14A								
15A								
16A								
17A								
18A								
19A								
20A								
21A	130	2	3	2/0	4	1/0	4	2.7
22A	130	2	4	2/0	4	1/0	4	2.7
23A	150	2	3	3/0	4	1/0	4	2.7
24A	150	2	4	3/0	4	1/0	4	2.7
25A	175	2	3	4/0	4	1/0	2	2.7
26A	175	2.50	4	4/0	4	1/0	2	2.7
27A	200	2.50	3	250	4	1/0	2	2.7
28A	200	3	4	250	4	1/0	2	2.7
29A	230	2.50	3	300	2	1/0	10	2.7
30A	230	3	4	300	2	1/0	10	2.7
31A	250	3	3	350	2	2/0	10	2.7
32A	250	3	4	350	2	2/0	10	2.7
33A	310	3	3	500	1	3/0	10	2.7
34A	310	4	4	500	1	3/0	10	2.7
35A	380	2 EA 2.50	3	250	1	4/0	3/0	2.7
36A	380	2 EA 3	4	250	1	4/0	3/0	2.7
37A	400	2 EA 2.50	3	250	1/0	4/0	3/0	2.7
38A	400	2 EA 2.50	4	250	1/0	4/0	3/0	2.7
39A	500	2 EA 3	3	350	1/0	300	3/0	2.4.7
40A	500	2 EA 3	4	350	1/0	300	3/0	2.4.7
41A	620	2 EA 3	3	500	3/0	300	3/0	2.4.7
42A	620	2 EA 4	4	500	3/0	300	3/0	2.4.7
43A	750	3 EA 3	3	350	3/0	300	4/0	2.4.7
44A	750	3 EA 3	4	350	3/0	300	4/0	2.4.7
45A	810	3 EA 3	3	400	4/0	300	250	2.4.7
46A	810	3 EA 4	4	400	4/0	300	250	2.4.7
47A	1000	4 EA 3	3	350	4/0	300	250	4.7
48A	1000	4 EA 3	4	350	4/0	300	250	4.7
49A	1140	4 EA 4	3	500	250	300	250	4.7
50A	1140	4 EA 4	4	500	250	300	250	4.7
51A	1240	4 EA 4	3	500	350	300	250	4.7
52A	1240	4 EA 4	4	500	350	300	250	4.7
53A	1620	6 EA 4	4	400	400	350	250	4.7
54A	2170	7 EA 4	4	500	400	500	250	4.7
55A	2695	7 EA 4	4	750	600	750	750	4.7
56A	3080	8 EA 4	4	750	600	750	750	4.7
57A	4235	11 EA 4	4	750	800	750	750	4.7
58A	-	5	-	-	-	-	-	6
59A	-	5	-	-	-	-	-	6
60A	-	10 EA 4	-	-	-	-	-	6

- CONDUIT AND CONDUCTOR SCHEDULE NOTES
- CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
 - PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
 - PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
 - GROUND (IG) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
 - SYMBOL SUBSCRIPTS.
 - RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.
- *2N*: INCLUDE TWO NEUTRAL CONDUCTORS, SIZED AS SCHEDULED FOR PHASED AND NEUTRAL CONDUCTORS.
- *FG*: FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE SAME SIZE AS THE PHASE CONDUCTORS.
- *HN*: NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS. CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY.
- *IG*: INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
- *SE*: SUBSTITUTE "SE" CONDUCTOR FOR "IG" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
- 7 ALUMINUM CONDUCTORS NOT TO BE USED FOR CONNECTION TO MOTORS OR MOTOR DRIVEN EQUIPMENT.

COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER									
(E.G.) 5 IG									
SUBSCRIPT (NOTE 5)									
SYM	AMP	HH AMPS	CONDUIT SIZE	CONDUCTOR (NOTE 1) QTY	SIZE	G	IG/HH	SE	NOTES
(1)	20	-	.75	2	12	12	12	8	2
(2)	20	-	.75	3	12	12	12	8	2.3
(3)	20	24	.75	4	12	12	12	8	2.3
(4)	30	-	.75	2	10	10	10	8	2
(5)	30	-	.75	3	10	10	10	8	2
(6)	30	32	.75	4	10	10	10	8	2
(7)	40	-	1	2	8	10	8	6	2
(8)	40	-	1	3	8	10	8	6	2
(9)	40	44	1	4	8	10	8	6	2
(10)	55	-	1	2	6	10	8	4	2
(11)	55	-	1	3	6	10	8	4	2
(12)	55	60	1.25	4	6	10	8	4	2
(13)	70	-	1	2	4	8	4	2	2
(14)	70	-	1.25	3	4	8	4	2	2
(15)	70	76	1.25	4	4	8	4	2	2
(16)	85	-	1.25	2	3	8	3	2	2
(17)	85	-	1.25	3	3	8	3	2	2
(18)	85	92	1.25	4	3	8	3	2	2
(19)	95	-	1.25	3	2	8	2	2	2
(20)	95	104	1.50	4	2	8	2	2	2
(21)	130	-	1.50	3	1	6	2	2	2
(22)	130	116	1.50	4	1	6	2	2	2
(23)	150	-	2	3	1/0	6	2	1/0	2
(24)	150	136	2	4	1/0	6	2	1/0	2
(25)	175	-	2	3	2/0	6	2	2/0	2
(26)	175	156	2	4	2/0	6	2	2/0	2
(27)	200	-	2	3	3/0	6	2	2/0	2
(28)	200	180	2.50	4	3/0	6	2	2/0	2
(29)	230	-	2.50	3	4/0	4	2	2/0	2
(30)	230	208	2.50	4	4/0	4	2	2/0	2
(31)	255	-	2.50	3	250	4	1	2/0	2
(32)	255	232	2.50	4	250	4	1	2/0	2
(33)	310	-	3	3	350	3	1/0	3/0	2
(34)	310	280	3	4	350	3	1/0	3/0	2
(35)	380	-	3.50	3	500	3	3/0	3/0	2
(36)	380	344	4	4	500	3	3/0	3/0	2
(37)	400	-	2 EA 2	3	3/0	3	3/0	3/0	2
(38)	400	360	2 EA 2.50	4	3/0	3	3/0	3/0	2
(39)	510	-	2 EA 2.50	3	250	1	4/0	3/0	2
(40)	510	464	2 EA 3	4	250	1	4/0	3/0	2
(41)	620	-	2 EA 3	3	350	1/0	4/0	3/0	2.4
(42)	620	560	2 EA 3	4	350	1/0	4/0	3/0	2.4
(43)	760	-	2 EA 3.50	3	500	1/0	4/0	3/0	2.4
(44)	760	688	2 EA 4	4	500	1/0	4/0	3/0	2.4
(45)	855	-	3 EA 3	3	300	2/0	4/0	3/0	2.4
(46)	855	768	3 EA 3	4	300	2/0	4/0	3/0	2.4
(47)	1000	-	3 EA 3.50	3	400	2/0	4/0	3/0	4
(48)	1000	912	3 EA 3.50	4	400	2/0	4/0	3/0	4
(49)	1140	-	3 EA 4	3	500	3/0	4/0	3/0	4
(50)	1140	1032	3 EA 4	4	500	3/0	4/0	3/0	4
(51)	1240	-	4 EA 3	3	350	3/0	4/0	3/0	4
(52)	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
(53)	1675	1520	5 EA 4	4	400	4/0	4/0	4/0	4
(54)	2010	1824	6 EA 4	4	400	250	250	250	4
(55)	2660	2408	7 EA 4	4	500	350	350	350	4
(56)	3040	2752	8 EA 4	4	500	500	500	500	4
(57)	4180	3784	11 EA 4	4	500	500	500	500	4
(58)	-	5 EA 4	-	-	-	-	-	-	6
(59)	-	5	-	-	-	-	-	-	6
(60)	-	10 EA 4	-	-	-	-	-	-	6

- CONDUIT AND CONDUCTOR SCHEDULE NOTES
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- *SE*: SUBSTITUTE "SE" CONDUCTOR FOR "IG" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.



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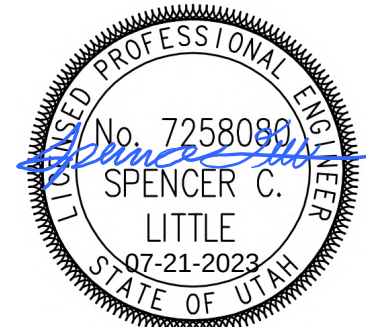
SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD

202 PARK RD
COALVILLE, UT 84017

DESIGN REVIEW - NOT FOR CONSTRUCTION

REVISIONS	
NO.	DESCRIPTION

Stamp



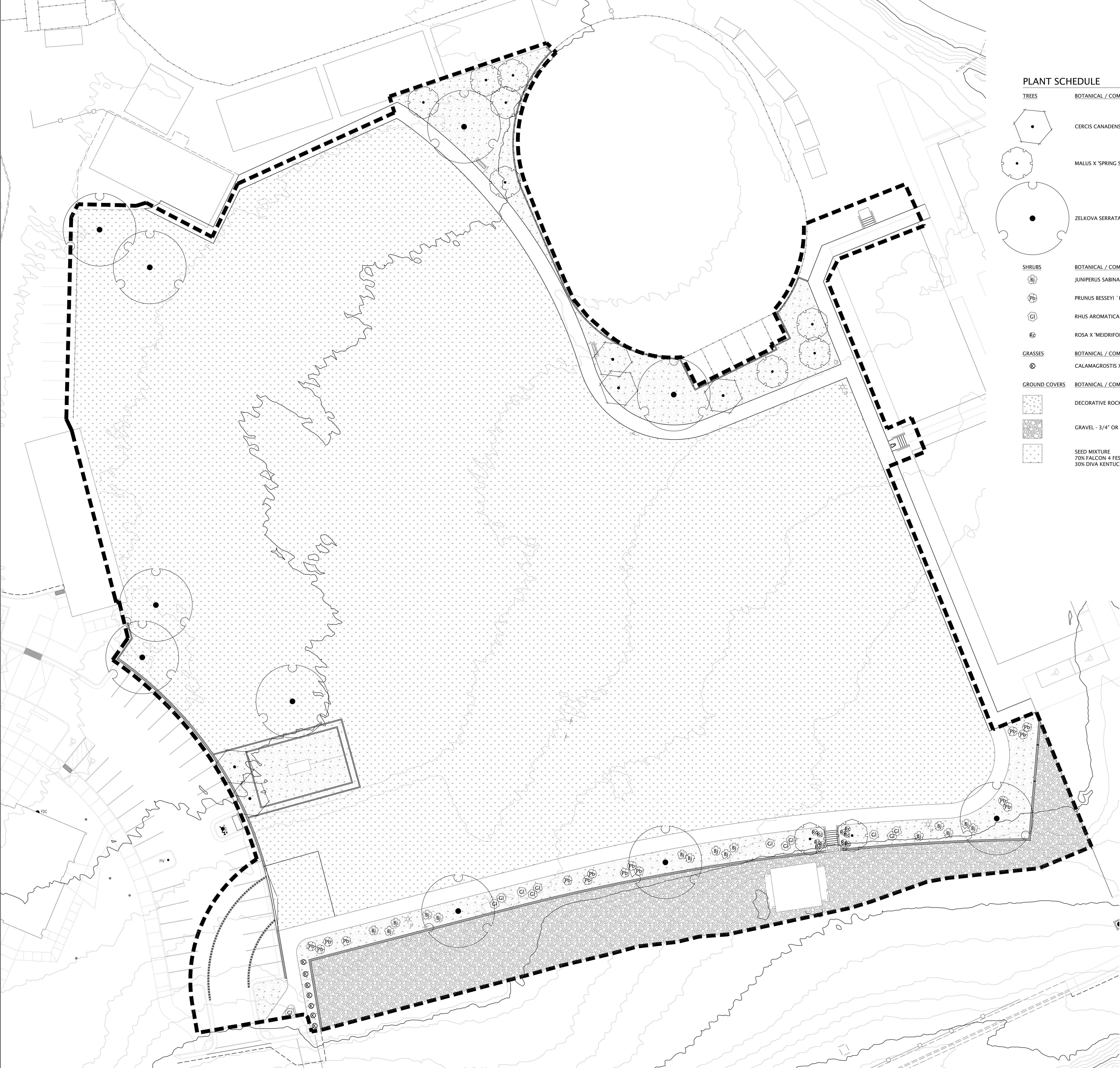
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Date: 07/14/23
Checked By: SCL
Project No: 23080

Drawing Title

ONE-LINE
DIAGRAM AND
SCHEDULES

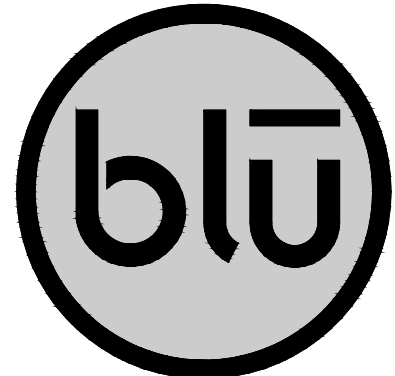
Drawing number

EP601



PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME
	CERCIS CANADENSIS / EASTERN REDBUD
	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE
	ZELKOVA SERRATA / SAWLEAF ZELKOVA
SHRUBS	BOTANICAL / COMMON NAME
	JUNIPERUS SABINA 'BUFFALO' / BUFFALO JUNIPER
	PRUNUS BESSEYI 'PAWNEE BUTTES' / SAND CHERRY
	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC
	ROSA X 'MEIDRIFORA' / CORAL DRIFT® GROUNDCOVER ROSE
GRASSES	BOTANICAL / COMMON NAME
	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / FEATHER REED GRASS
GROUND COVERS	BOTANICAL / COMMON NAME
	DECORATIVE ROCK MULCH - 4" DEPTH SOUTHTOWN COBBLE / (2-4") INSTALL OVER DEWITT PROS FABRIC
	GRAVEL - 3/4" OR SIMILAR TO MATCH EXISTING / INSTALL 5" DEPTH GRAVEL IN PARKING AREA
	SEED MIXTURE 70% FALCON 4 FESCUE 30% DIVA KENTUCKY BLUEGRASS



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Sandy, UT 84070
p 801.913.7994

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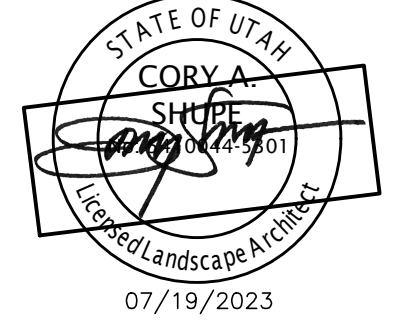
SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD

202 Park Rd. Coalville,
UT 84017

REVISIONS

NO.	DATE	DESCRIPTION

Stamp



Designed By: SS
Drawn By: MTT, BP
Date: 07/19/2023
Checked By: CS
Project No: 21-252

Drawing Title

LANDSCAPE
PLAN

Drawing number

LP100

Scale: 1" = 20'-0"





**SUMMIT C
MULTIPUR**
202 Park Rd, Coalville,
UT 84017

DESIGN REVIEW- NOT FOR CONSTRUCTION

LANDSCAPE
DETAILS

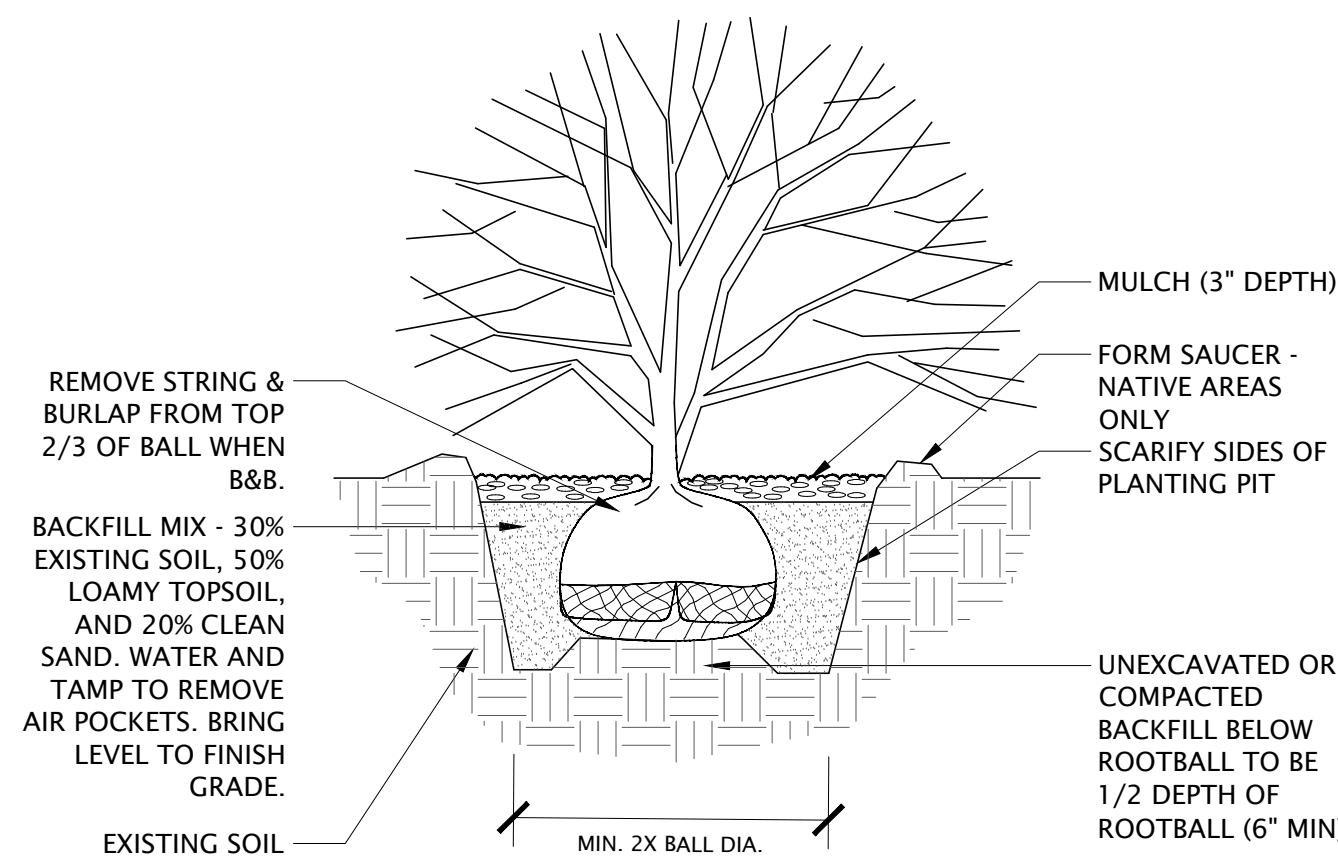
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LANDSCAPE NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND CALVILL STANDARDS, SPECIFICATIONS, AND DETAILS.
2. ALL PLANT MATERIAL SHALL BE GROWN IN CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THIS WORK AND SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 UNLESS OTHERWISE NOTED. PROVIDE TREES OF NORMAL GROWTH AND UNIFORM HEIGHTS, ACCORDING TO SPECIES, WITH STRAIGHT TRUNKS AND WELL DEVELOPED LEADERS, LATERALS, AND ROOTS.
3. THE CONTRACTOR SHALL CALL BLUE STAKES AT 1-800-662-4111 FOR UNDERGROUND UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION.
4. EXISTING UTILITIES, EASEMENTS, AND STRUCTURES SHOWN ON THE DRAWINGS ARE IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, TYPE, AND STRUCTURES TO BE ENCOUNTERED ON THE PROJECT PRIOR TO ANY EXCAVATION AND CONSTRUCTION IN THE VICINITY OF THE EXISTING UTILITIES AND STRUCTURES.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL REQUIRED PERMITS, LICENSES, AND APPROVALS REQUIRED TO LEGALLY AND RESPONSIBLY COMPLETE THE WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, DISPOSAL, OR RELOCATION OF ALL OBSTRUCTIONS AND DEBRIS WITHIN THE DELINEATED CONSTRUCTION AREA PRIOR TO STARTING NEW CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY DEBRIS RESULTING FROM NEW CONSTRUCTION.
7. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING FEATURES AND FACILITIES SCHEDULED TO REMAIN AS PART OF THE FINISHED CONSTRUCTION. REPAIR, REPLACEMENT, AND/OR REMOVAL AS DETERMINED BY OWNER SHALL BE AT THE CONTRACTOR'S EXPENSE.
8. CONTRACTOR SHALL ROUGH GRADE TO WITHIN +/- A TENTH OF A FOOT FROM FINISH GRADE. ALL TURF GRASS AREAS SHALL BE GRADED 6" BELOW PROPOSED FINISH GRADE. SHRUB BEDS SHALL BE GRADED 16" BELOW PROPOSED FINISH GRADE.
9. ALL COMPACTED AREAS DEVELOPED THROUGH CONSTRUCTION WITHIN PROPOSED LANDSCAPE AREAS SHALL BE SCARIFIED AND LOOSENEED TO A DEPTH OF 12" PRIOR TO LANDSCAPE AND IRRIGATION WORK BEGINNING.
10. CONTRACTOR SHALL INSTALL A MIN. OF 4 INCHES OF PREMIUM OR AMENDED TOPSOIL FOR ALL TURF GRASS AREAS. INSTALL 12 INCHES OF PREMIUM OR AMENDED TOPSOIL IN ALL MANICURED SHRUB BEDS. CONTRACTOR SHALL TEST, AMEND, AND USE EXISTING STOCKPILE OF TOPSOIL ON SITE TO MEET SPECIFICATIONS. ALL PLANTING PITS SHALL RECEIVE PLANTING BACKFILL MIX PER SPECIFICATIONS.
11. CONTRACTOR SHALL INSTALL A MIN. OF 4 INCHES OF ROCK AND BARK MULCH ON WEED BARRIER FABRIC IN ALL SHRUB BEDS. APPLY PRE-EMERGENT TO ALL PLANTING BEDS BEFORE INSTALLING MULCH.
12. NO PLANT SPECIES SUBSTITUTIONS WILL BE MADE WITHOUT APPROVAL OF OWNER.
13. ALL PLANT LAYOUT SHALL BE VERIFIED AND APPROVED IN FIELD BY OWNER PRIOR TO PLANTING. FAILURE TO RECEIVE APPROVAL MAY RESULT IN RE-WORK BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
14. ALL AREAS WITHIN AND AFFECTED BY THIS PROJECT SHALL HAVE POSITIVE DRAINAGE. POSITIVE DRAINAGE SHALL BE PROVIDED TO DIRECT STORMWATER AWAY FROM ALL STRUCTURES.
15. ALL CLARIFICATIONS OF DISCREPANCIES BETWEEN THE DRAWINGS AND THE SITE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO BEGINNING OF WORK.
16. CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY ON ALL PLANT MATERIAL FROM THE DATE OF FINAL ACCEPTANCE.

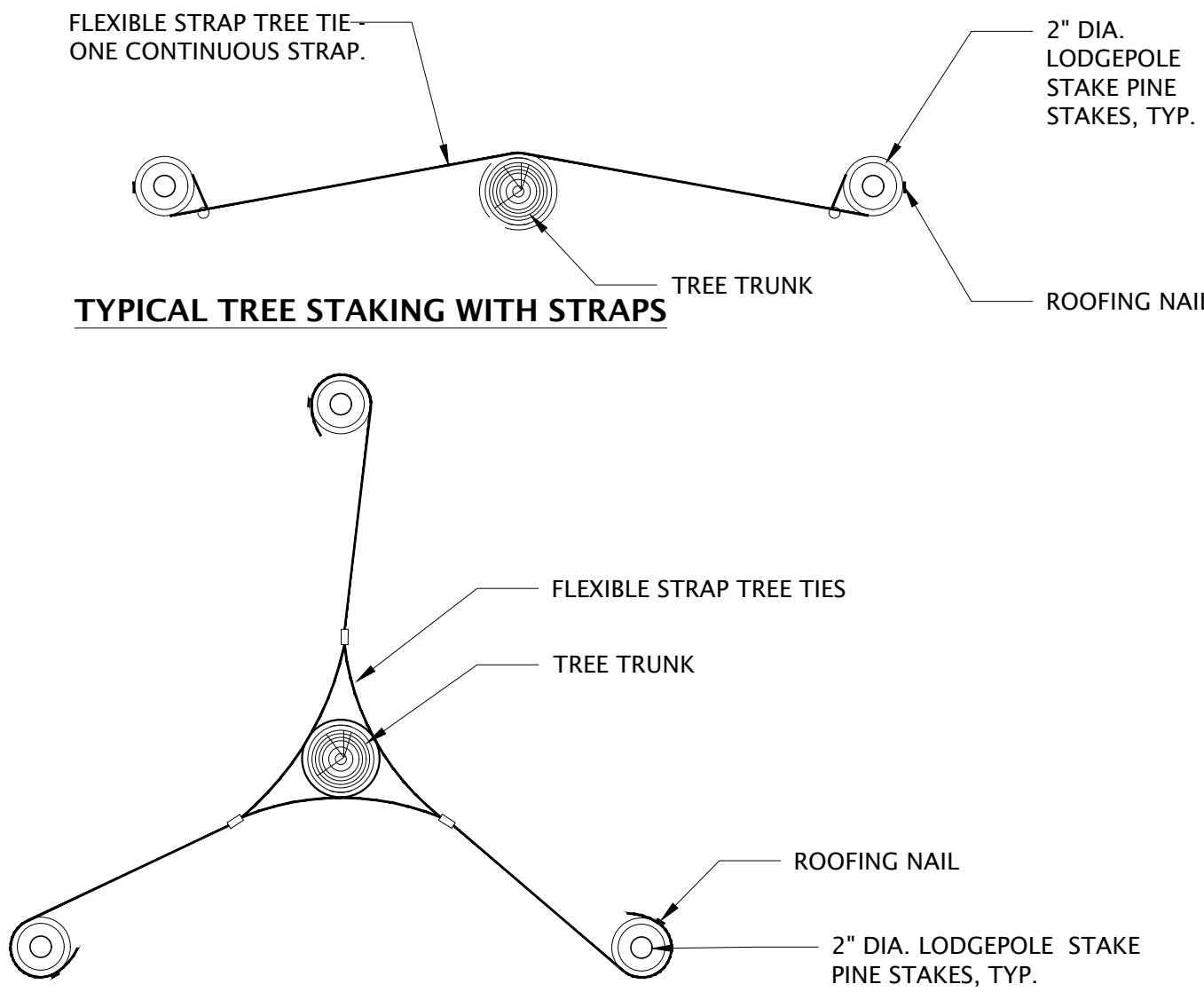
* ALL SHOWN QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONDUCT INDEPENDENT TAKEOFFS TO ESTABLISH QUANTITIES. PLAN SYMBOL QUANTITIES OVERRIDE QUANTITIES SHOWN IN SCHEDULE.



NOTES:
1. PLANT SO THAT TOP OF ROOT BALL IS 2" ABOVE FINISHED GRADE

1 SHRUB DETAIL

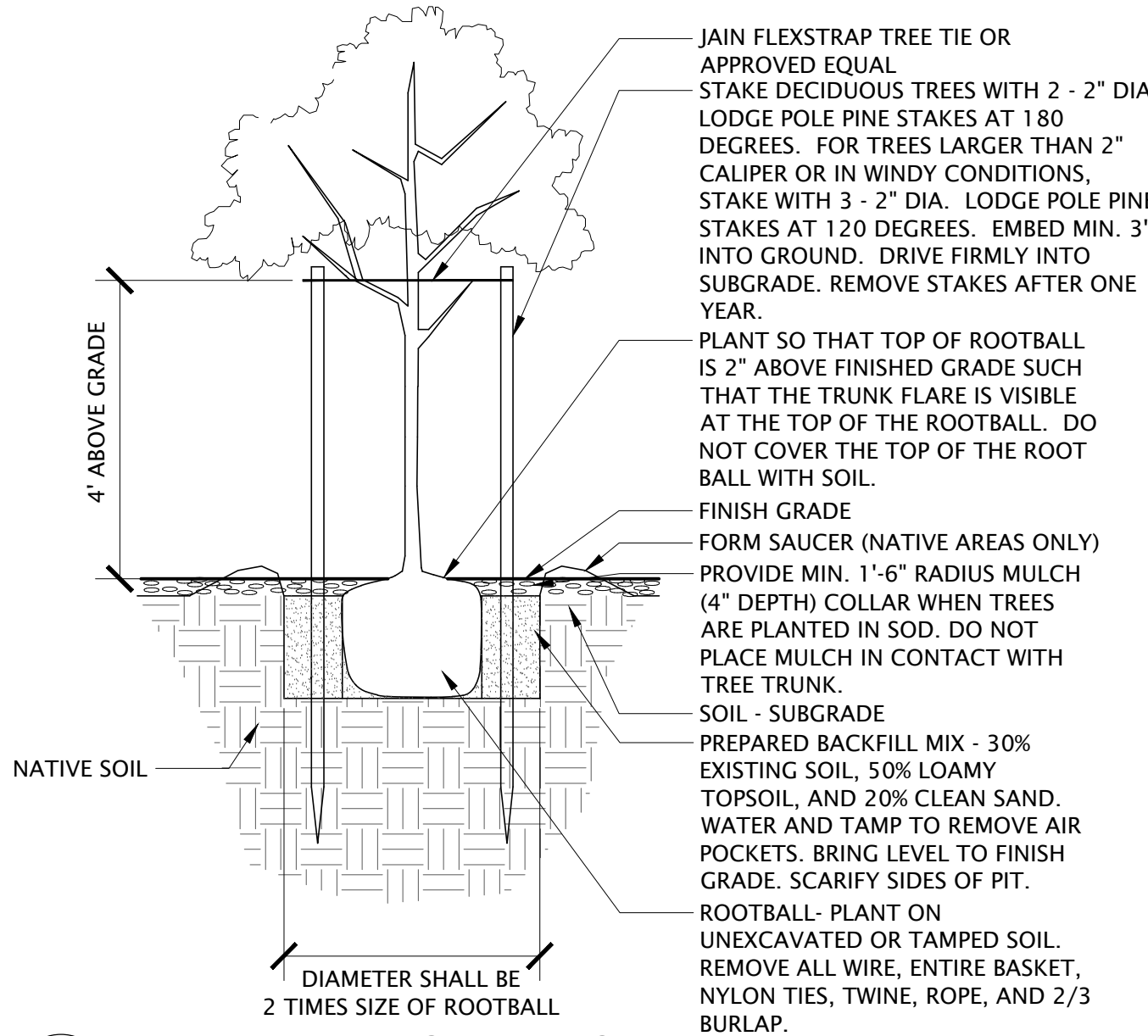
NOT TO SCALE



TREES IN WINDY CONDITIONS OR LARGER THAN 2" CAL.

TREE STAKING - FLEX STRAPS

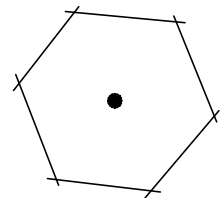
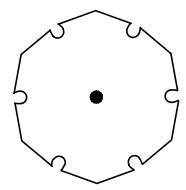
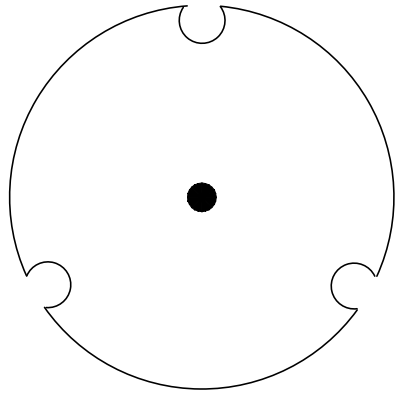
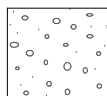
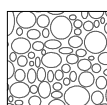
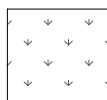
NOT TO SCALE



② TREE PLANTING - FLEX STRAP

NOT TO SCALE

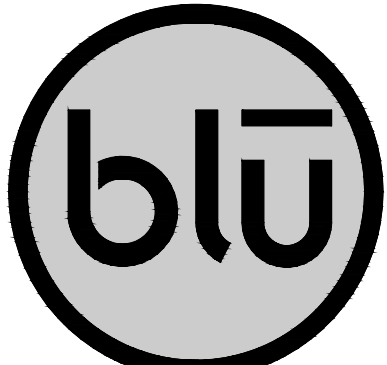
PLANT SCHEDULE

TREES		CONT	CAL	QTY
	CERCIS CANADENSIS / EASTERN REDBUD	B&B	1 1/2" CAL	5
	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	B&B	1 1/2" CAL	10
	ZELKOVA SERRATA / SAWLEAF ZELKOVA	B&B	2-1/2" CAL	10
SHRUBS		CONT	HYDROZONE	QTY
	JUNIPERUS SABINA 'BUFFALO' / BUFFALO JUNIPER	5 GAL		15
	PRUNUS BESSEYI 'PAWNEE BUTTES' / SAND CHERRY	5 GAL		15
	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	5 GAL		12
	ROSA X 'MEIDRIFORA' / CORAL DRIFT® GROUNDCOVER ROSE	5 GAL		10
GRASSES		CONT	HYDROZONE	QTY
	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / FEATHER REED GRASS	1 GAL		7
GROUND COVERS		CONT	SPACING	
	DECORATIVE ROCK MULCH - 4" DEPTH SOUTHTOWN COBBLE / (2-4") INSTALL OVER DEWITT PROS FABRIC	BED	15,967 SF	
	GRAVEL - 3/4" OR SIMILAR TO MATCH EXISTING / INSTALL 5" DEPTH GRAVEL IN PARKING AREA	BED	13,697 SF	
	SEED MIXTURE 70% FALCON 4 FESCUE 30% DIVA KENTUCKY BLUEGRASS	SEED	134,479 SF	



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
07	HUNTER I-25-06 07
15	HUNTER I-25-06 15
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
[Symbol]	RAIN BIRD XCZ-100-PR8-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3GPM TO 20GPM.
[Symbol]	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-04-18 (18) TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4GPH EMITTERS AT 18.0" O.C. DRIPLINE LATERALS SPACED AT 18.0" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
[Symbol]	HUNTER ICV-G-FS 1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH FILTER SENTRY.
[Symbol]	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY. HOSE BIBB
[Symbol]	MATCO-NORCA 200RTD 2" TO 12" DUCTILE IRON EPOXY COATED & RESILIENT WEDGE ISOLATION SHUT OFF VALVE. SAME SIZE AS MAINLINE PIPE. RING-TITE OPTION.
[C]	EXISTING WEATHERTRAK ET PRO3 PRESERVE AND PROTECT WIRING FROM LEDGES EVENT CENTER LANDSCAPE. CONNECT NEW ZONES, EXISTING MASTER VALVE AND FLOW SENSOR.
[F]	AMIAID M104CL-STEEL SCREEN AMIAID 4IN. STANDALONE FILTOMAT M100 SERIES, SELF-CLEANING SCREEN FILTER. FLANGED INLET-OUTLET W/ STAINLESS STEEL WEAVEWIRE SCREEN ELEMENT. AND 12V DC ELECTRONIC CONTROL PARTS. MAXIMUM WORKING PRESSURE 150PSI. 130 MICRON
[Line]	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
[Line]	IRRIGATION MAINLINE: PVC SCHEDULE 40
[Line]	PIPE SLEEVE: PVC SCHEDULE 40
[Symbol]	Valve Callout
[Symbol]	Valve Number
[Symbol]	Valve Flow
[Symbol]	Valve Size



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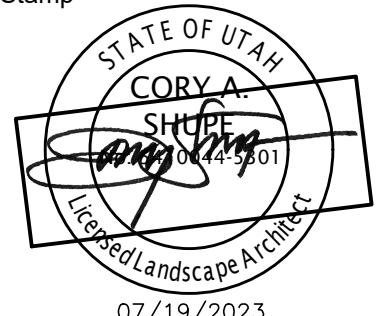
CONSULTANTS

SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD
202 Park Rd. Coalville,
UT 84017

REVISIONS

NO.	DATE	DESCRIPTION

Stamp



07/19/2023

Designed By:	SS
Drawn By:	MTT, BP
Date:	07/19/2023
Checked By:	CS
Project No:	21-252

Drawing Title

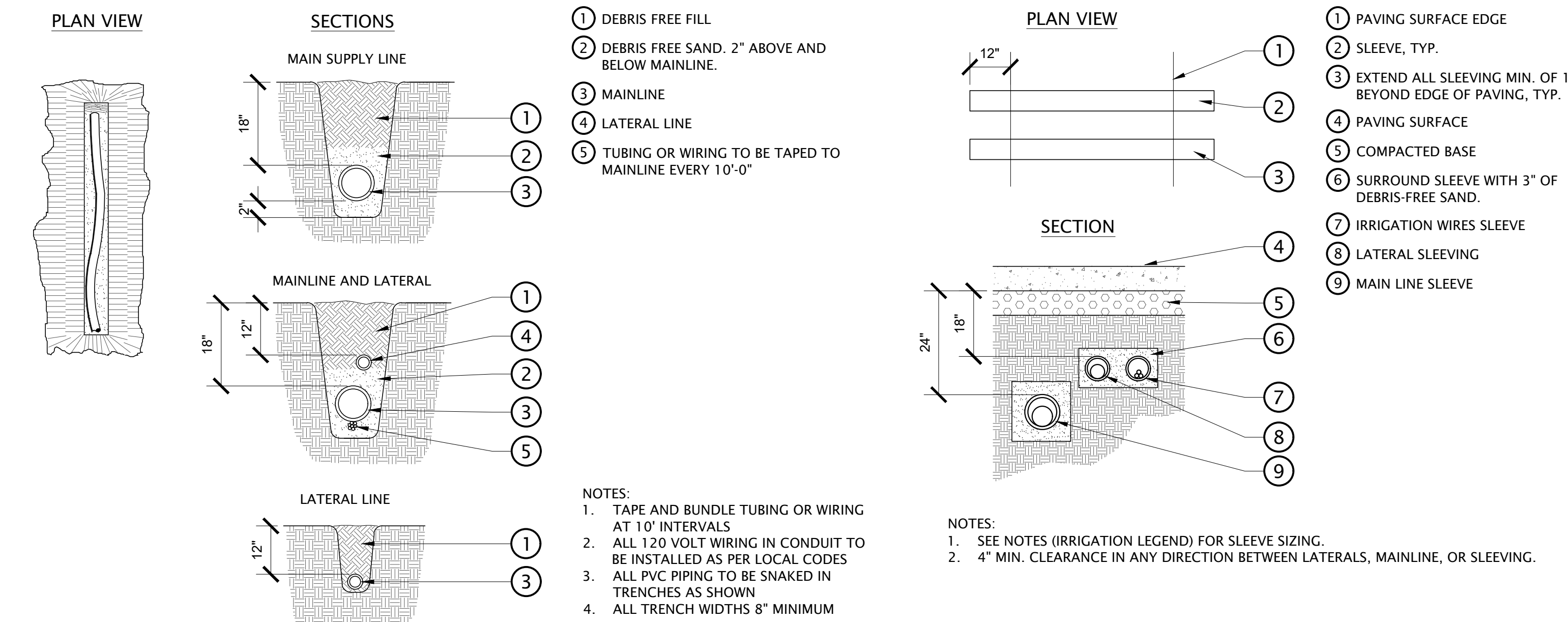
IRRIGATION
PLAN

Drawing number

LI100

Scale: 1" = 20'-0"



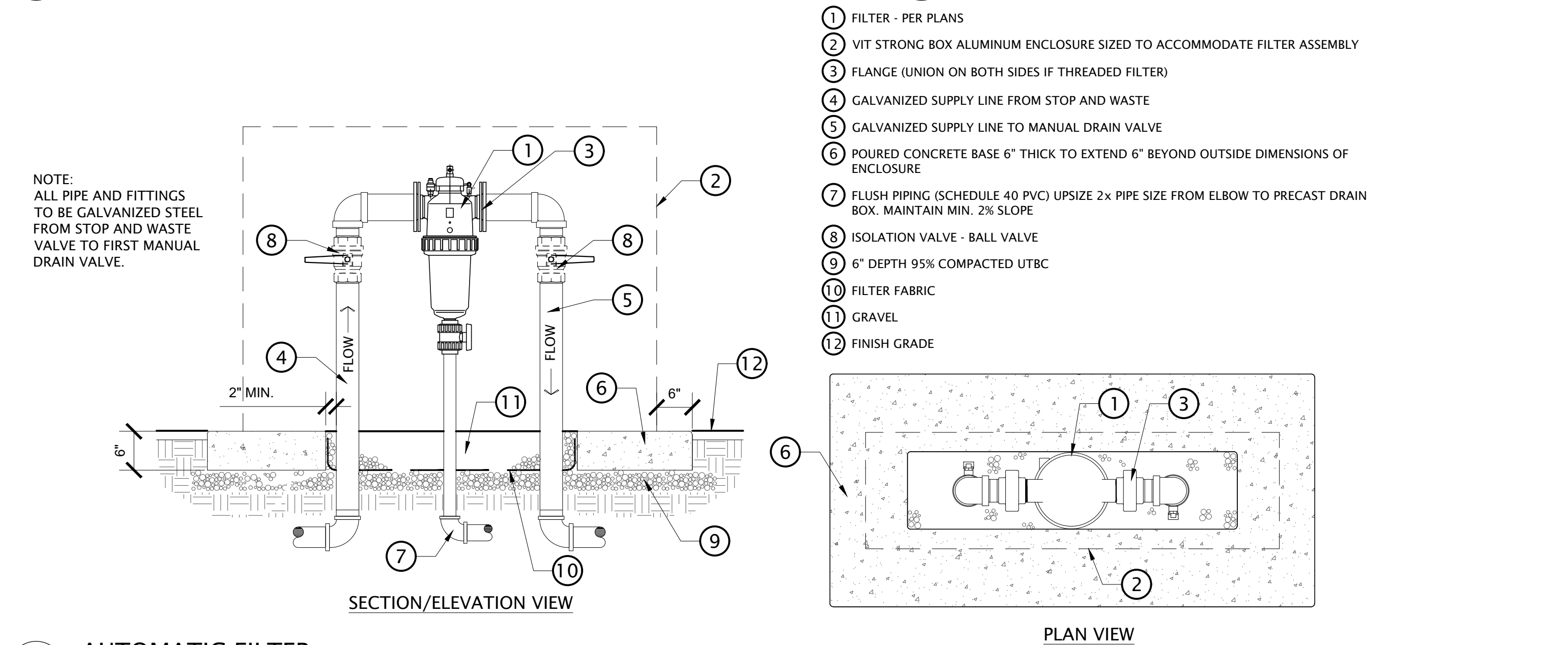


1 PIPE TRENCH

NOT TO SCALE

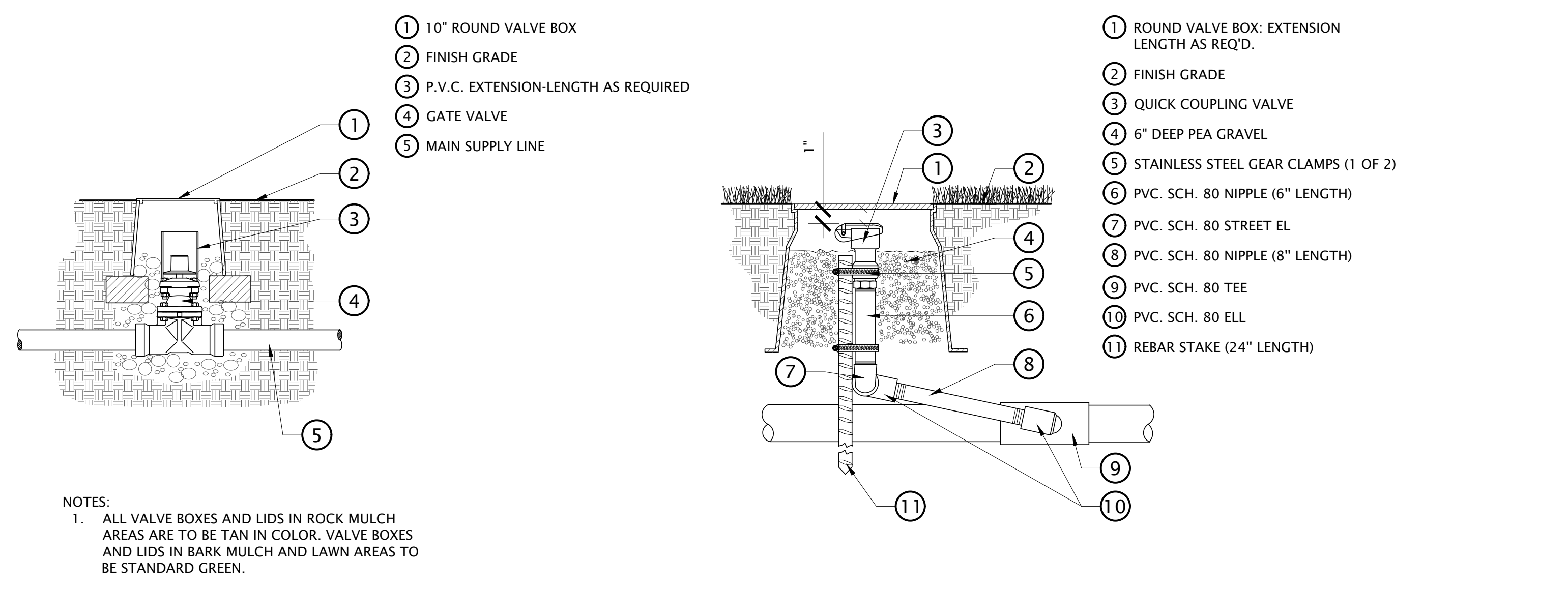
2 PIPE SLEEVE

NOT TO SCALE



3 AUTOMATIC FILTER

NOT TO SCALE

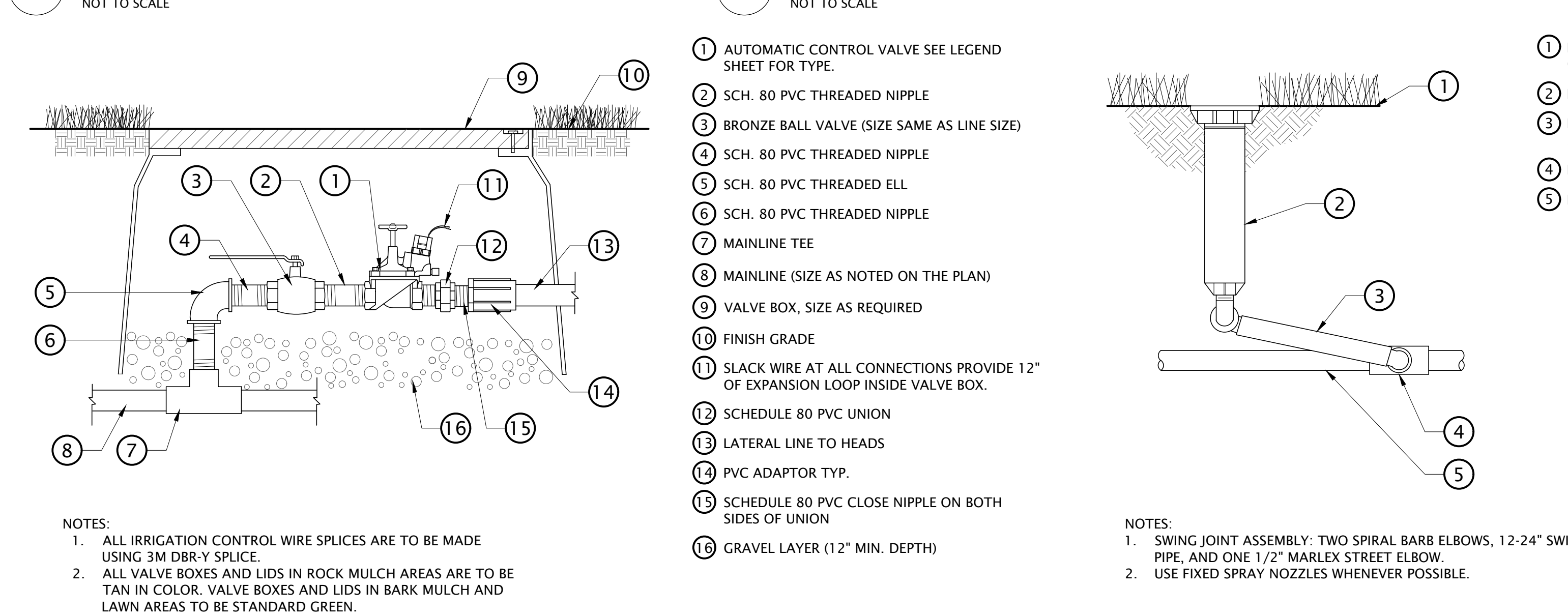


5 RESILIENT WEDGE GATE VALVE

NOT TO SCALE

6 QUICK COUPLER

NOT TO SCALE



7 CONTROL VALVE FOR POLYETHYLENE MAINLINE

NOT TO SCALE

8 POP-UP SPRAY/ROTARY

NOT TO SCALE

HARCO JOINT RESTRAINT SELECTION GUIDE

Tables below list number of adjacent pipe joints to be restrained for basic fitting configurations. These were calculated using the joint restraint calculator available at www.harcofittings.com for a set of assumptions that will envelop many applications. Check that the assumptions listed below meet or exceed your application. If your situation is not covered by the assumptions or a more refined restraint scheme is desired, use the restraint calculator at www.harcofittings.com.

Bends, Reducers, Caps, and Valves

Size	Bends				Reductions			Dead Ends
2	11 1/4	22 1/2	45	90	1	2	3	—
2 1/2	—	—	—	—	—	—	—	1
3	—	—	—	—	—	1	1	—
4	—	—	—	—	1	1	2	—
6	—	—	1	1	2	2	3	—
8	—	—	1	1	3	3	4	—
10	—	—	1	1	2	3	4	—
12	—	—	1	2	2	3	4	—
14	—	—	1	1	2	3	4	—
16	—	—	2	1	2	3	5	—

Tees - Branch bell only restrained: Use joint restraints ONLY on branch. Number below is number of 20' joints to be restrained with pipe to pipe restraints

Run Size	Tees (Branch Size)							
	2	2 1/2	3	4	6	8	10	12 14 16
2	—	—	—	—	—	—	—	—
2 1/2	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—
6	—	1	1	—	—	—	—	—
8	—	1	1	—	—	—	—	—
10	—	—	1	1	—	—	—	—
12	—	—	1	1	—	—	—	—
14	—	—	1	1	1	—	—	—
16	—	—	1	1	1	—	—	—

Bends & Caps/Dead Ends: Restrain all bells and the adjacent joints listed in table (both directions for bends).

Reducers: Restrain large bell and adjacent joints listed in table.

Valves: Treat as Dead End. Use Valve Restraint and restrain adjacent upstream joints listed in table. If closed valve can have pressure from either side, restrain adjacent joints both sides per table.

Restraint Calculation Assumptions:
Maximum pressure: 125psi
Restrained Lengths: Each restraint connects 20' length of pipe
Soil Type: Type GM, gravel-sand-silt mixture
Minimum Burial Depths: 2"-2 1/2", 18" cover; 3"-8", 24" cover; 10"-12", 30" cover; 14"-16", 36" cover
Trench Type: 3, pipe bedded in 4 inches minimum loose soil. Backfill lightly consolidated to top of the pipe.
Safety Factor: 1.5

Tees - With Run Reductions: Restrain all bells and adjacent branch joints noted. Treat run reduction as a reducer. Restrain as noted adjacent joints to large bell per reducer table.

Tees (Branch Size)

Run Size	2	2 1/2	3	4	6	8	10	12	14	16
2	—	—	—	—	—	—	—	—	—	—
2 1/2	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	1	1	—	—	—	—
8	—	—	—	—	—	—	2	2	3	—
10	—	—	—	—	—	—	1	1	2	—
12	—	—	—	—	—	—	—	1	2	—
14	—	—	—	—	—	—	—	—	1	—
16	—	—	—	—	—	—	—	—	—	1

HARRINGTON CORPORATION • P.O. BOX 10335 • LYNCHBURG, VIRGINIA 24506-0335
PHONE: 434-845-7094 • FAX: 434-845-8562 • E-MAIL: sales@harcofittings.com • WEB: www.harcofittings.com

4 JOINT RESTRAINT GUIDE

NOT TO SCALE

IRRIGATION NOTES

- THIS DRAWING IS DIAGRAMMATIC AND IS INTENDED TO CONVEY THE GENERAL LAYOUT OF IRRIGATION SYSTEM COMPONENTS. ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE. LOCATE MAINLINE AND VALVES NEAR WALKS WHERE FEASIBLE.
- THE CONTRACTOR SHALL VERIFY THE AVAILABLE WATER PRESSURE AT THE SITE PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND ACTUAL PRESSURE READINGS AT THE POINT OF CONNECTION TO THE LANDSCAPE ARCHITECT. WATER PRESSURE AT THE POINT OF CONNECTION IS EXPECTED TO BE A MINIMUM OF 75 PSI. IN THE EVENT THAT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL STRUCTURES, SITE IMPROVEMENTS, WALKS, UTILITIES, AND GRADE CHANGES. COORDINATE LAYOUT OF THE IRRIGATION SYSTEM WITH OTHER TRADES SO THAT CONSTRUCTION CAN CONTINUE IN A NORMAL SEQUENCE OF EVENTS. ADJUSTMENTS MAY BE NECESSARY TO MAINTAIN FULL COVERAGE DEPENDING ON ACTUAL SITE CONDITIONS. ANY SIGNIFICANT CHANGES WILL REQUIRE WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO PLACEMENT. ALL MODIFICATIONS SHALL BE RECORDED ON AS-BUILT DRAWINGS.
- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM WHEN IT IS APPARENT IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADING DIFFERENCES MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SITE CONDITIONS AND EXISTING IRRIGATION SYSTEM (IF ANY), IN THE EVENT THAT THE CONTRACTOR DAMAGES, DISPLACES OR OTHERWISE CAUSES OTHER TRADES WORK TO BE REINSTALLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL CONDITION AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM PERFORMANCE. INSTALL HEADS WITH THE APPROPRIATE ARC AND RADIUS FOR THE AREA TO BE COVERED. ADJUST NOZZLES TO ELIMINATE OVERSPRAY ONTO WALKS, BUILDINGS, ETC.
- IRRIGATION CONTROLLER(S) SHALL BE GROUNDED PER ESTABLISHED ASIC GUIDELINES.
- IRRIGATION CONTROL WIRES SHALL BE COLOR CODED WIRE FOR DIRECT BURIAL. COMMON, HOT, & SPARE WIRES SHALL BE 14 AWG (WHITE, RED & YELLOW RESPECTIVELY). FOR CONTROL WIRE RUNS EXCEEDING 3000 FEET OR COMMON WIRE RUNS EXCEEDING 1500 FEET, USE 12 AWG WIRE. CONTRACTOR SHALL RUN 1 DEDICATED SPARE WIRE HOMERUN FROM CONTROLLER TO TERMINUS OF EACH WIRE LEG. WHERE REQUIRED, COMMUNICATION WIRE TO FLOW SENSOR SHALL BE PAIGE ELECTRIC PE-39-3 CABLE. ALL WIRE SPLICES TO BE LOCATED IN VALVE BOX. ALL WIRE CONNECTIONS SHALL BE 3M DBRY.
- ALL MAINLINES, LATERAL LINES, AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SEPARATE SLEEVES.
- ALL MAINLINE AND LATERAL LINE PIPE SHALL BE SCHEDULE 40 PVC THROUGH 3" PIPE, 4" TO 6" PIPE SHALL BE CLASS 200 PVC. ALL LATERAL LINE FITTINGS SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED. ALL MAINLINE FITTINGS UNDER 3" SHALL BE SCHEDULE 80 PVC. MAINLINE FITTINGS 3" AND LARGER SHALL BE HARCO DUCTILE IRON, RESTRAIN PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL USE WELD-ON P-70 PRIMER AND 711 LOW VOC CEMENT FOR ALL SOLVENT WELDED JOINTS.
- ALL LINES SHALL SLOPE TO DRAIN. ADD MANUAL DRAINS AT ALL MAINLINE LOW POINTS AS NECESSARY FOR COMPLETE DRAINAGE OF THE ENTIRE SYSTEM. INDICATE ALL DRAIN LOCATIONS ON AS-BUILT DRAWINGS.
- ALL VALVE BOXES AND LIDS IN ROCK MULCH AREAS ARE TO BE TAN IN COLOR. VALVE BOXES AND LIDS IN BARK MULCH AND LAWN AREAS ARE TO BE STANDARD GREEN. ALUM VALVE BOXES PARALLEL WITH EDGE OF PAVEMENT/PLANTING BEDS. WHERE FEASIBLE, LOCATE THE EDGE OF VALVE BOX 12'-18" FROM EDGE OF PAVEMENT.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE. HEADS SHALL BE LOCATED 1" AWAY FROM AND 1/4" BELOW ADJACENT CURBS, WALLS, WALKS, AND MOWSTRIPS.
- DRIP DISTRIBUTION TUBING TO BE BURIED BELOW MULCH AND STAKED AT MIN. 6" O.C. DRIP FITTINGS SHALL BE BARBED INSERT TYPE FITTINGS. COMPRESSION TYPE FITTINGS WILL NOT BE ACCEPTED. EMITTERS SHALL BE LOCATED ON UPHILL SIDE OF PLANTS. INSTALL DRIP FLUSH VALVE AT LOW POINT OF EACH DRIP ZONE AND AT THE END DRIP LINES.
- GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT, AND WORKMANSHIP. GUARANTEE SHALL COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT, OR WORKMANSHIP TO THE SATISFACTION OF THE OWNER. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AND AT NO ADDITIONAL COST TO THE OWNER.
- SEE DETAILS FOR ADDITIONAL INFORMATION. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
(7)	HUNTER I-25-06 07
(15)	HUNTER I-25-06 15
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
(16)	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESS VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3GPM TO 20GPM.
(17)	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-04-18 (18) TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4GPH EMITTERS AT 18.0" O.C. DRIPLINE LATERALS SPACED AT 18.0" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
(18)	HUNTER ICV-G-F5 1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH FILTER-SENTRY.
(19)	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY. HOSE BIBB
(20)	MATCO-NORCA 200RTD 2" TO 12" DUCTILE IRON EPOXY COATED & RESILIENT WEDGE ISOLATION SHUT OFF VALVE. SAME SIZE AS MAINLINE PIPE. RING-TITE OPTION.
(21)	EXISTING WEATHERTRAK ET PRO3 PRESERVE AND PROTECT WIRING FROM LEDGES EVENT CENTER LANDSCAPE. CONNECT NEW ZONES, EXISTING MASTER VALVE AND FLOW SENSOR.
(22)	AMIAID M104CL-SCREEN SCREEN AMIAID 4IN. STANDALONE FILTERMAT M100 SERIES, SELF-CLEANING SCREEN FILTER. FLANGED INLET/OUTLET W/ STAINLESS STEEL WEAWEWIRE SCREEN ELEMENT, AND 12V DC ELECTRONIC CONTROL PARTS. MAXIMUM WORKING PRESSURE 150PSI. 130 MICRON
(23)	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
(24)	IRRIGATION MAINLINE: PVC SCHEDULE 40
(25)	PIPE SLEEVE: PVC SCHEDULE 40
(26)	Valve Callout: # = Valve Number # = Valve Flow # = Valve Size

DESIGN REVIEW- NOT FOR CONSTRUCTION

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Sandy, UT 84070
p 801.913.7994

CONSULTANTS

SUMMIT COUNTY FAIRGROUNDS
MULTIPURPOSE FIELD
202 Park Rd. Coalville,
UT 84017

REVISIONS

Stamp

STATE OF UTAH
CORY A. SHARP
LANDSCAPE ARCHITECT
07/19/2023

Designed By: SS
Drawn By: MTT, BP
Date: 07/19/2023
Checked By: CS
Project No: 21-252

Drawing Title

IRRIGATION
SCHEDULE,
NOTES, &
DETAILS

Drawing number

LI501



Staff Report

To: Community Development Director, Don Sargent

Date: August 1, 2023

From: Ron Boyer, Summit County Project Manager

Subject: Approval of Low Impact Permit

Background

Summit County has been actively upgrading the facilities at the Summit County Fairgrounds since adoption of master plan in 2017. The proposed next phase is being constructed in parallel with the North Summit Recreation project at Beacon Hill.

The current request is to meet some of the obligations in Phase II of the Fairgrounds Master Plan. The ball diamond is being moved to the Beacon Hill property and Summit County intends to improve the natural turf to a more drought tolerant grass, install an ADA compliant pathway connecting the multipurpose building (Ledges Event Center) with the Livestock Barns on the south side of the property.

The site will continue to be used for the Summit County Fair and other community events. The requested changes will help to accommodate the changing needs of the fair and the surrounding communities.

Responses To Confirming Compliance

The use conforms to all applicable requirements of State and Federal regulations.

The use is consistent with the goals, policies, and objectives of the General Plan.

The use conforms to all applicable requirements of the Development Code and other city ordinances.

The use is consistent with any prior approvals or development agreements associated with the property.

The use is not detrimental to public health, safety, and welfare of the community.

The use is appropriately located with respect to public facilities and services. The site is on the current Summit County Fairgrounds property. The use of the property will not be changing as it will still be a public park.