

ADDENDUM #1

DATE: April 28, 2025

TO CONTRACT DOCUMENTS ENTITLED:

PROJECT MANUAL FOR:

TAYLOR STADIUM TURF REPLACEMENT

PROJECT NUMBER: CP252171

PREPARED FOR:

THE CURATORS OF THE UNIVERSITY OF MISSOURI

CONSULTANT:

Crockett Engineering Consultants
1000 W. Nifong Blvd, Bldg #1
Columbia, Missouri 65203

Drawings and Specifications for the above noted project and the work covered thereby are herein modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect:

GENERAL INFORMATION:

1. MEP Plans for electric service behind pitching mound.

SPECIFICATION CHANGES:

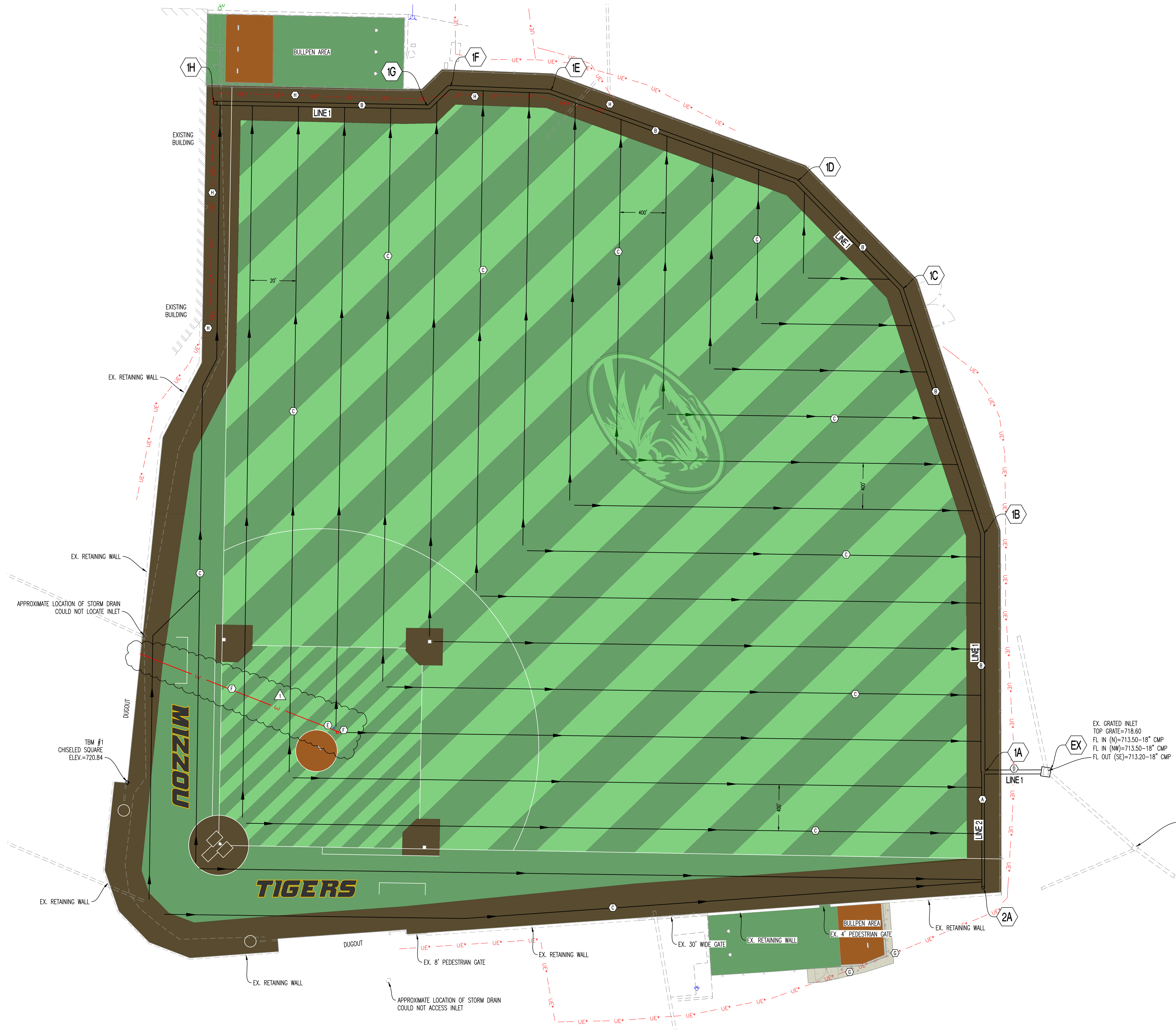
1. NONE

DRAWING CHANGES:

1. SHEET CE 4.0 – Underground Conduit modified to reflect MEP conduit location.
2. SHEET EP101 – MEP Power Plan added.
3. SHEET E501 – MEP Details and Schedules added.

END OF ADDENDUM #1

Y:\2024\240133 - CP242571 - Taylor Stadium - Field Surface Replacement\Civil\AAD Files\Construction Plans\240133_SiteBase.dwg

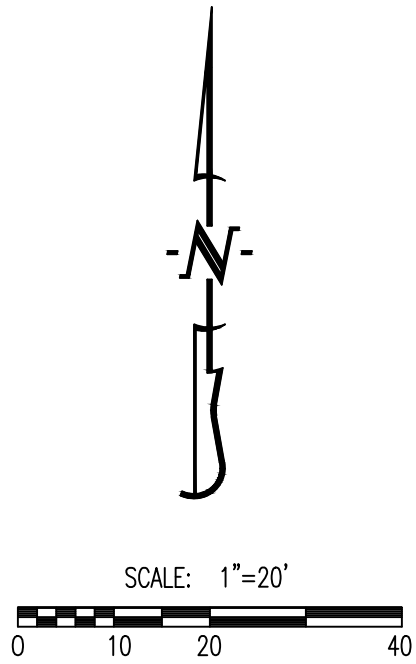


LEGEND OF LABELS	
(A)	12" PERFORATED HDPE COLLECTOR PIPE. REFER TO LINE PROFILE FOR SLOPE AND ELEVATIONS.
(B)	18" PERFORATED HDPE COLLECTOR PIPE. REFER TO LINE PROFILE FOR SLOPE AND ELEVATIONS.
(C)	12" WIDE x 1 INCH TALL PANEL DRAIN. PANEL DRAIN TO BE WRAPPED IN GEOTEXTILE FABRIC. REFER TO DETAIL ON CE 8.0.
(D)	18" HPP STORM SEWER PIPE. REFER TO LINE PROFILE FOR SLOPE AND ELEVATIONS.
(E)	EXACT LOCATION OF WATER SERVICE LINE TO VAULT IS UNKNOWN. CONTRACTOR TO INSTALL NEW WATER SERVICE LINE, 36" MINIMUM COVER FROM LIMITS OF DEMOLITION AND INSTALL NEW VAULT WITH QUICK COUPLER VALVE. INSTALL NEW WATER VAULT AND QUICK DISCONNECT. TOP OF VAULT SHALL BE INSTALLED WITH TURF TOP AND TOP ADJUSTED TO BE FLUSH WITH SURROUNDING TURF. CONTRACTOR TO ENSURE WATER SERVICE LINE CAN BE BLED TO PROVIDE PROTECTION FROM FREEZING.
(F)	INSTALL NEW ELECTRICAL BOX. ELECTRIC SERVICE AND CONDUITS TO BE COORDINATED WITH M.E.P. TOP OF BOX SHALL BE INSTALLED WITH TURF TOP AND TOP ADJUSTED TO BE FLUSH WITH SURROUNDING TURF.
(G)	APPROXIMATE LOCATION OF EXISTING UNDERGROUND ELECTRIC PER MU UTILITIES MAPPING. RELOCATION MAY BE REQUIRED TO AVOID CONFLICT WITH RETAINING WALL FOOTING. IF RELOCATION IS REQUIRED, CONTRACTOR SHALL COORDINATE WITH MU UTILITIES.
(H)	APPROXIMATE LOCATION OF EXISTING UNDERGROUND FIBER OPTIC PER MU UTILITIES MAPPING. CONTRACTOR TO WORK AROUND LINES AS REQUIRED FOR STORM SEWER INSTALLATION. IF RELOCATION IS REQUIRED, CONTRACTOR SHALL COORDINATE WITH MU UTILITIES.

- FIELD DRAINAGE NOTES:
- 1) AFTER EXCAVATION OF EXISTING SOIL TO THE PROPER ELEVATIONS REQUIRED, THE NEW SUBGRADE WILL BE SHAPED AND COMPACTED TO DESIGNED DENSITY WITH A 0.5% SLOPE TO ALLOW FOR DRAINAGE TO DRAIN PIPES.
 - 2) AN EXISTING CONCRETE CURB WILL BE USED AND A NEW NAILER WILL BE INSTALLED AROUND THE PERIMETER TO PROVIDE A SECURE EDGE FOR FASTENING THE SYNTHETIC TURF. IN ALL CASES THE NAILER AND STONE ARE AT THE SAME ELEVATION.
 - 3) A GEOTEXTILE FABRIC WILL BE PLACED OVER THE SUBGRADE, AND COMPOSITE DRAINS WILL BE INSTALLED AT 20 FEET ON CENTER AT A 45 DEGREE ANGLE TO THE FIELD. REFER TO THE FIELD DRAINAGE PLAN. (HERRINGBONE DESIGN)
 - 4) THE COMPOSITE DRAINS WILL DRAIN TO A PERIMETER COLLECTOR (REFER TO PLANS FOR SIZE) WHICH WILL BE CONNECTED TO THE EXISTING DRAINAGE SYSTEM AS SHOWN ON THE PLANS.
 - 5) FREE DRAINAGE AGGREGATE SHALL BE PLACED OVER THE COMPOSITE DRAINS AND THE PERIMETER COLLECTORS AND FINE GRADED FOR A FIELD AS SHOWN ON THE GRADING PLAN.
 - 6) IN ORDER TO PROTECT THE FLAT DRAINS, COVER WITH AGGREGATE AS SOON AS POSSIBLE.

EX. GRATED INLET
TOP GRATE=718.05
FL IN (SW)=715.50-12" CMP
FL IN (W)=706.55-18" CMP
FL OUT (SE)=706.35-18" CMP

EX. GRATED INLET
TOP GRATE=718.60
FL IN (N)=713.50-18" CMP
FL IN (NW)=713.50-18" CMP
FL OUT (SE)=713.20-18" CMP



REVISIONS:

NO.	DATE
BID SET	04/22/2025
1	04/28/2025

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

STATE OF MISSOURI

TIMOTHY D. CROCKETT

REGISTERED PROFESSIONAL ENGINEER

NUMBER

PE200400075

TIMOTHY D. CROCKETT

MO LICENSE 200400075

PREPARED BY:

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Crockett Engineering Consultants, LLC

Missouri Certificate of Authority

1400303001

OWNER:

THE CURATORS OF THE UNIVERSITY OF MISSOURI

228 UNIVERSITY HALL

COLUMBUS BUSINESS SERVICES

COLUMBIA, MO 65211

MU PROJECT #CP252171

TAYLOR STADIUM - TURF REPLACEMENT

COLUMBIA, BOONE COUNTY, MISSOURI

DRAWING INCLUDES:

UTILITY PLAN

DESIGNED:

TDC

DRAWN:

JEE

PROJECT NO:

240133

SHEET:

CE 4.0

POWER PLAN SYMBOL LEGEND

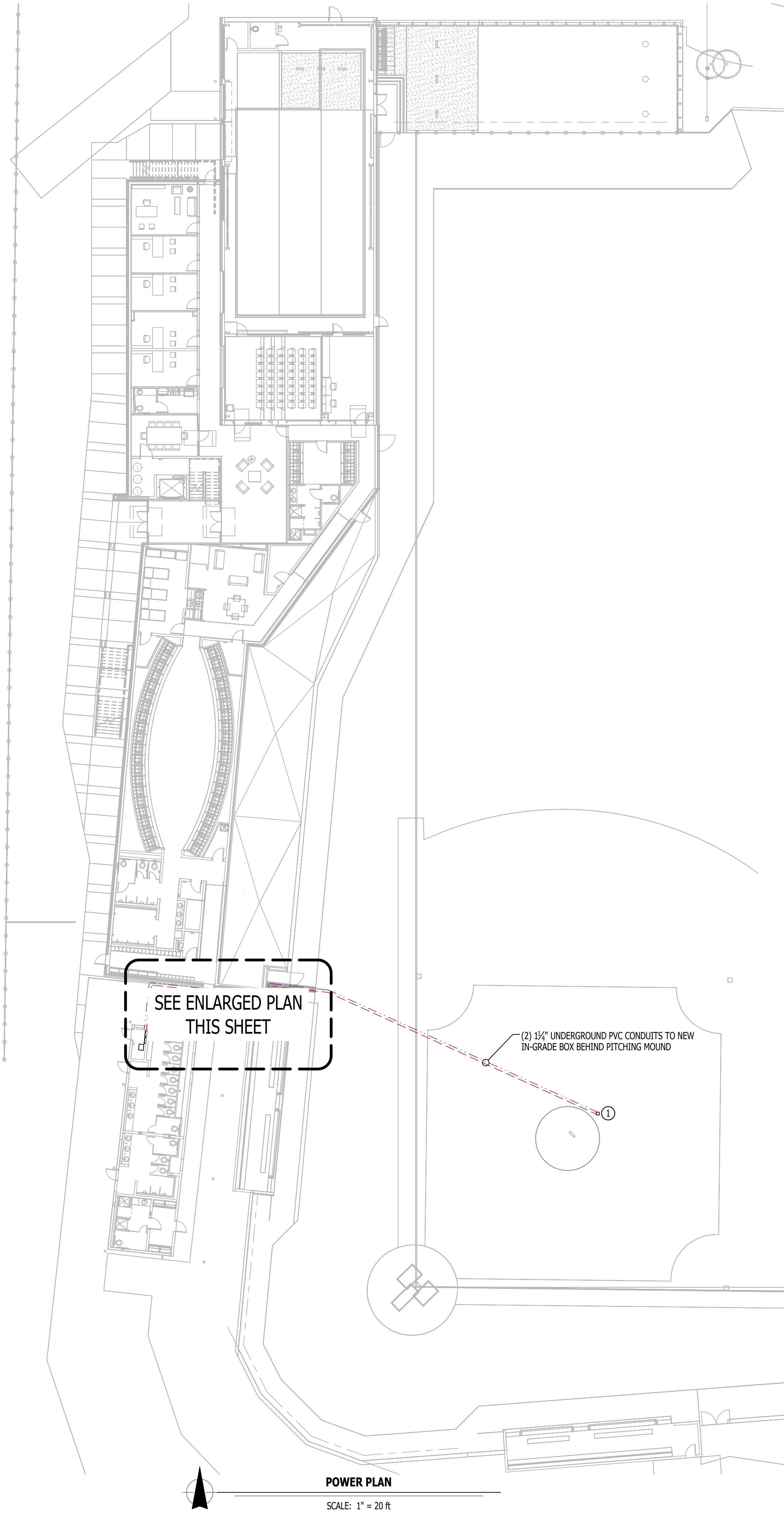
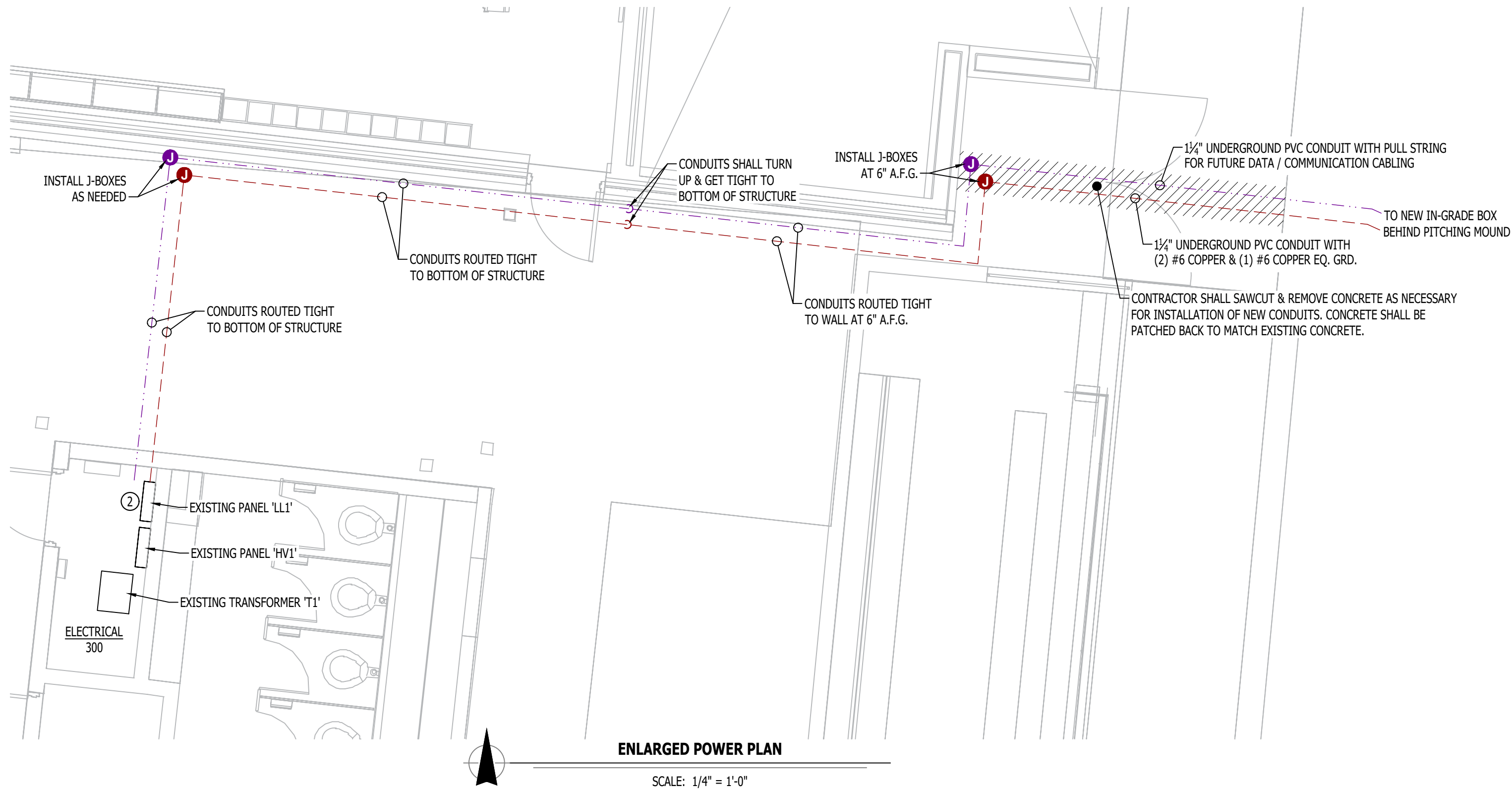
- CIRCUIT WIRING
- CIRCUIT TAG
- JUNCTION BOX
- RECEPTACLE
- INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- "WP" = WEATHERPROOF OUTDOOR RECEPTACLE
- "AW" = ABOVE WINDOW RECEPTACLE
- "AC" = ABOVE CEILING RECEPTACLE
- "EX" = EXISTING RECEPTACLE TO REMAIN
- GFCI PROTECTED DUPLEX CONVENIENCE RECEPTACLE
- 208V RECEPTACLE
- QUADPLEX CONVENIENCE RECEPTACLE
- USB OUTLET
- WITH USB-A & USB-C CHARGING PORT
- DATA / PHONE JACK
- BOX WITH 1" CONDUIT & PULL STRING UP TO CEILING SPACE
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- WIRELESS ACCESS POINT, CEILING MOUNTED
- FLOOR RECEPTACLE
- FLOOR DATA
- DISCONNECT
- FUSED DISCONNECT
- FUSED SWITCH
- STARTER / DISCONNECT
- TIE INTO EXISTING

POWER PLAN GENERAL NOTES:

1. REFER TO E500 AND/OR E600 SERIES SHEETS FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL ELECTRICAL EQUIPMENT, WIRING, HANGERS / SUPPORTS, ETC. WITH HVAC AND PLUMBING TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.
3. ANY EXISTING ELECTRICAL EQUIPMENT, CIRCUITS, ETC. SHOWN IS FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR TO FIELD VERIFY EXACT EQUIPMENT LOCATIONS, CONDITIONS, ETC. PRIOR TO BEGINNING WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

POWER PLAN KEY NOTES:

- ① IN-GRADE POWER / COMMUNICATIONS BOX. SEE DETAIL ON SHEET E501.
- ② INSTALL NEW 20-1 TANDEM BREAKER IN SLOT 30. RECONNECT EXISTING CIRCUIT & FEED NEW FIELD OUTLET.



ISSUE TITLE	DATE

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

CP252171 - Taylor Stadium Turf Replacement

1303 Research Park Drive
Columbia, Boone County, MO 65203

ELECTRICAL SPECIFICATIONS

1. GENERAL
- 1.1.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY PIECES AND COMPONENTS TO PROVIDE A COMPLETE AND COMPLIANT ELECTRICAL SYSTEM UNLESS OTHERWISE NOTED ON PLANS.
- 1.2.

THE ENTIRE ELECTRICAL SYSTEM SHALL BE CONTINUOUSLY GROUNDED. EVERY BRANCH CONDUIT SHALL INCLUDE A GREEN GROUND CONDUCTOR SIZED PER NEC.
- 1.3.

ARC-FAULT CIRCUITS SHALL BE RUN WITH A DEDICATED NEUTRAL AS REQUIRED BY MANUFACTURER.
- 1.4.

PROVIDE PERMANENT ARC-FLASH LABEL AFFIXED TO EVERY DISCONNECT AND PANEL.
- 1.5.

PROVIDE TYPE WRITTEN PANEL SCHEDULE FOR EACH PANEL.
2. WORKMANSHIP
- 2.1.

ALL ELECTRICAL SYSTEM COMPONENTS SHALL BE INSTALLED LEVEL, PLUMB, AND PARALLEL/PERPENDICULAR TO BUILDING ORIENTATION WHERE POSSIBLE.
- 2.2.

ALL ELECTRICAL DEVICES AND LIGHT FIXTURES SHALL BE INSTALLED IN A SAFE, FIRST-CLASS MANNER WITH ATTENTION GIVEN TO OVERALL AESTHETICS.
CARE SHOULD BE TAKEN TO ALLOW FOR FUTURE REPLACEMENT AND ACCESS FOR SERVICE.
3. MATERIALS
- 3.1.

CONDUIT & CONDUCTORS
- 3.1.1.

ALL CONDUCTORS SIZES INDICATED ARE COPPER UNLESS NOTED OTHERWISE ON PLANS.
- 3.1.2.

ABOVE GRADE CONDUCTORS SHALL BE TYPE THHN.
BELOW GRADE CONDUCTORS SHALL BE TYPE XHHW-2.
- 3.1.3.

MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG UNLESS NOTED OTHERWISE. 120-VOLT, 20-AMP CIRCUITS WITH CONDUCTOR LENGTHS GREATER THAN 100' SHALL BE #10 AWG MINIMUM.
ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MEASURING ACTUAL CONDUCTOR LENGTH AND INCREASING CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP AS REQUIRED BY NEC.
- 3.1.4.

ALL UNDERGROUND WIRING SHALL BE IN SCHEDULE 80 PVC CONDUIT.
- 3.1.5.

ALL WIRING ABOVE GRADE SHALL BE IN RIGID CONDUIT.
- 3.1.6.

EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES, VERIFY COLOR WITH ARCHITECT/OWNER.
- 3.2.

DEVICES
- 3.2.1.

CONTRACTOR TO PROVIDE J-BOXES, COVER PLATES, AND ANY ACCESSORIES REQUIRED TO PROVIDE A COMPLETE SYSTEM. SEE ARCHITECTURAL PLANS FOR DEVICE COLORS.
- 3.2.1.

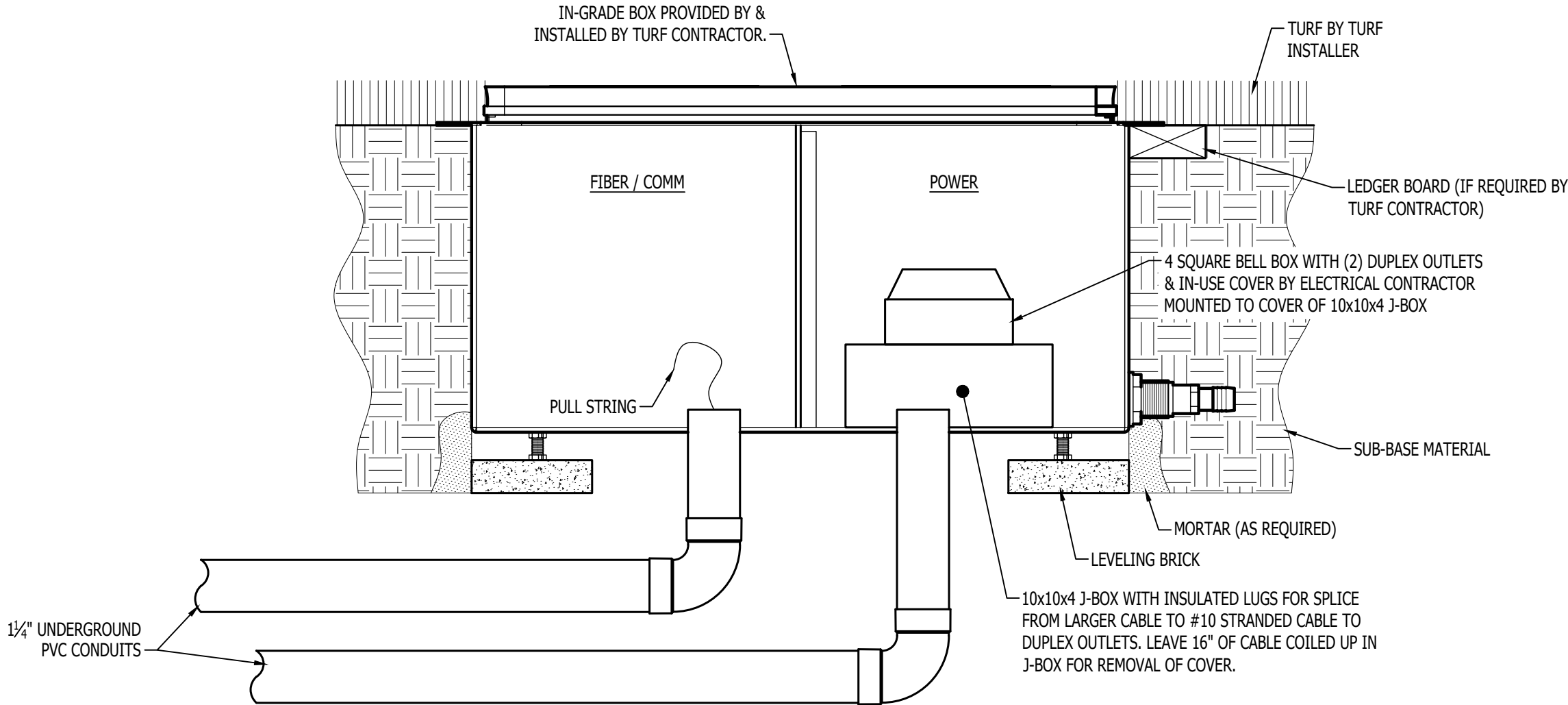
DUPLEX RECEPTACLES SHALL BE TAMPER RESISTANT, 20-AMP, EQUAL TO LEVITON #TBR-20.
- 3.2.2.

WHERE GFCI PROTECTION IS SHOWN ON PLANS AND UNLESS OTHERWISE NOTED, PROVIDE A LISTED GFCI-PROTECTED RECEPTACLE WHERE THE RECEPTACLE IS ACCESSIBLE ON PLANS. IF THE RECEPTACLE LOCATION IS NOT ACCESSIBLE AS DEFINED BY NEC, PROVIDE GFCI PROTECTION AT CIRCUIT BREAKER.
- 3.2.3.

WIRING DEVICES SHOWN ON PLANS NEXT TO ONE ANOTHER SHALL UTILIZE A SINGLE COVER PLATE UNLESS NOTED OTHERWISE.
- 3.2.4.

EACH RECEPTACLE COVER SHALL BE NEATLY AND LEGIBLY LABELED WITH CORRESPONDING PANEL AND CIRCUIT NUMBER FOR CIRCUIT IDENTIFICATION.

EXISTING PANEL 'LL1' SCHEDULE									
PANEL SPECIFICATIONS						TOTAL CONNECTED LOAD			
VOLTAGE: 120/208V 3-PH			NEMA RATING: 1			PHASE "A" LOAD: 0 AMPS			
AMPACITY: 100A MCB			PANEL MOUNTING: SURFACE			PHASE "B" LOAD: 0 AMPS			
AIC-RATING: 10KA						PHASE "C" LOAD: 0 AMPS			
CIRCUIT NUMBER	DESCRIPTION	BREA KER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	EXISTING MAIN BREAKER	100-3		A		20-1	EXISTING VISITOR BATHROOM RECEPTS	2	
3	-	-		B		20-1	EXISTING FAMILY BATHROOM RECEPTS	4	
5	-	-		C		20-1	EXISTING CIRCUIT	6	
7	EXISTING VISITOR LOCKER RECEPTS	20-1		A		20-1	EXISTING CIRCUIT	8	
9	EXISTING VISITOR LOCKER RECEPTS	20-1		B		20-1	EXISTING VISITOR CAMERA BOX	10	
11	EXISTING VISITOR LOCKER RECEPTS	20-1		C		20-1	EXISTING CIRCUIT	12	
13	EXISTING MAINTENANCE STORAGE RECEPTS	20-1		A		20-1	EXISTING CONTROL CABINET POWER	14	
15	EXISTING BACKSTOP SIGN	20-2		B		40-2	EXISTING ICE CREAM MACHINE	16	
17	-	-		C		-	-	18	
19	EXISTING ICE CREAM MACHINE	40-2		A		30-1	EXISTING CIRCUIT	20	
21	-	-		B		30-1	EXISTING CIRCUIT	22	
23	EXISTING OFFICE LIGHTS / RECEPTS	20-1		C		30-2	EXISTING CONCESSION POPCORN MACHINE	24	
25	EXISTING CIRCUIT	20-1		A		-	-	26	
27	EXISTING CONCESSION TV	20-1		B		20-1	EXISTING CONCESSION RECEPTS	28	
29	EXISTING CONCESSION RECEPTS	20-1		C		20-1	EXISTING CONCESSION RECEPTS	30	
						20-1	IN-GRADE FIELD BOX		
NOTES:									
A: EXISTING PANEL IS A SQUARE D MODEL "QO".									
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.									
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.									
D: <i>ITALICS INDICATE EXISTING TO REMAIN; UNDERLINED ITALICS INDICATE EXISTING CIRCUIT ON NEW BREAKER; BOLD INDICATES NEW CIRCUIT & BREAKER.</i>									



TURF COMMUNICATIONS / POWER BOX DETAIL

STATE OF MISSOURI

JAMES P. WATSON

James P. Watson

NUMBER

PE-2015017071

PROFESSIONAL ENGINEER

James Watson, P.E. April 18, 2025
PE-2015017071
MO Certificate of Authority # 2018029680

J-SQUARED

ENGINEERING

2400 Bluff Creek Drive, Suite 101
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573.234.4492
www.j-squaredeng.com

J2 PROJECT No:	J21564
J2 DESIGN:	JAP
ISSUE TITLE	DATE

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

CP252171 - Taylor Stadium Turf Replacement

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