

COASTAL CAROLINA UNIVERSITY SOCCER COMPLEX - BLEACHERS AND PRESS BOX

CONSTRUCTION DOCUMENTS

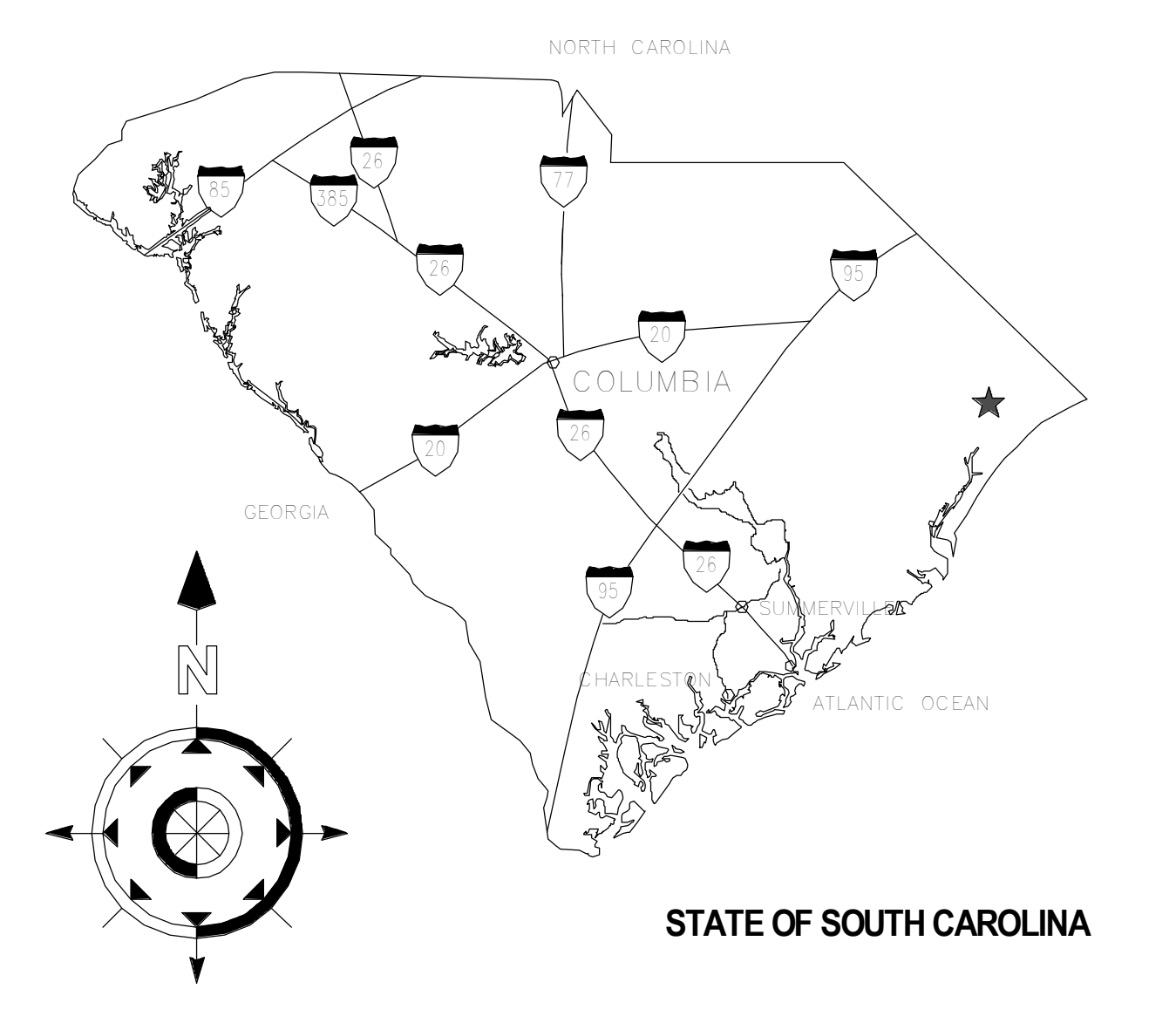
02.01.2023

STATE PROJECT NO: H17-9609-MJ-B
PROJECT NO: C-821-15

BOUDREAU
inspired design

1519 Sumter Street
Columbia, SC 29201
803.799.0247 p
BoudreauGroup.com

STATE LOCATION MAP



VICINITY LOCATION MAP (CENTURY CIR, CONWAY, SC)



APPLICABLE CODES

- PROJECTS DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES
- INTERNATIONAL BUILDING CODE, 2021 EDITION WITH SCBC MODIFICATIONS
 - INTERNATIONAL FIRE CODE, 2021 EDITION WITH SCBC MODIFICATIONS
 - INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION
 - INTERNATIONAL FUEL GAS CODE, 2021 EDITION WITH SCBC MODIFICATIONS
 - INTERNATIONAL MECHANICAL CODE, 2021 EDITION WITH SCBC MODIFICATIONS
 - WITH SCBC MODIFICATIONS AND THE FOLLOWING INSERTIONS:
 - SECTION 305.4.1, INSERT "18"
 - SECTION 903.1, INSERT "8"
 - STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS, ICC 300-12 EDITION
 - NATIONAL ELECTRICAL CODE, NFPA 70, 2020 EDITION WITH SCBC MODIFICATIONS
 - LATEST EDITION OF ANSI A117.1, ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES AND AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES. SEE <http://www.access-board.gov/guidelines-and-standards/buildings-and-sites/about-the-ada-standards/ada-standards>
 - STATE FIRE MARSHAL'S RULES, REGULATIONS AND POLICIES. SEE <http://www.scfiremarshal.lronline.com>
 - GOVERNOR'S EXECUTIVE ORDER NO. 82-19 (APRIL 1982) - STATE OF SC BUILDINGSTANDARDS IN FLOODPLAN AREAS.

INDEX OF DRAWINGS

- T1.1 TITLE SHEET, LOCATION MAP, SYMBOLS, APPLICABLE CODES, INDEX OF DRAWINGS
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- CIVIL
C2.01 EXISTING CONDITIONS AND DEMOLITION PLAN
C1.01 SITE LAYOUT PLAN
C2.02 SEDIMENT AND EROSION CONTROL
C2.03 SEDIMENT AND EROSION CONTROL DETAILS
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E103 SOCCER FIELD ELECTRICAL POWER SITE PLAN
E104 SOCCER FIELD SYSTEMS SITE PLAN

MATERIAL DESIGNATIONS

	COMPACTED EARTH		WOOD (ROUGH)
	POUROUS FILL (STONE OR GRAVEL)		WOOD (FINISHED)
	CONCRETE		PLYWOOD
	CONCRETE MASONRY UNIT		BATT INSULATION
	BRICK		GYPSUM BOARD
	SAND, PLASTER, CEMENT, GROUT		RIGID INSULATION
	STEEL		STONE VENEER

ARCHITECTURAL SYMBOLS

DRAWING TITLE REFERENCE

1 TITLE
SCALE: 1/4" = 1'-0"
WHERE DETAIL IS SHOWN

ROOM TAG REFERENCE

ROOM X101
ROOM NAME
ROOM NUMBER
PREFIX LETTERS INDICATE BUILDING REFERENCE

PLAN DETAIL REFERENCE

1
A1.1
WHERE DETAIL IS SHOWN

DOOR TAG REFERENCE

X101A DX FX
DOOR NUMBER
PREFIX LETTERS INDICATE BUILDING REFERENCE
FRAME TYPE
DOOR TYPE

WINDOW / LOUVER TAG REFERENCE

X101 SF101
WINDOW OR LOUVER NUMBER
PREFIX LETTERS INDICATE BUILDING REFERENCE
WINDOW / LOUVER TYPE
PREFIX LETTERS INDICATES FRAME MATERIAL

BUILDING SECTION REFERENCE

1
A1.1
WHERE DETAIL IS SHOWN

WALL SECTION REFERENCE

1
A1.1
WHERE DETAIL IS SHOWN

CEILING DETAIL REFERENCE

1
A2.3
WHERE DETAIL IS SHOWN

EXTERIOR ELEVATION REFERENCE

1
A1.1
WHERE ELEVATION IS SHOWN

INTERIOR PARTITION TAG REFERENCE

XX-1234
PARTITION TYPE
SEE SHEET A3.1

REVISION CLOUD REFERENCE

1
REVISION NUMBER

INTERIOR ELEVATION REFERENCE

1
A1.1
WHERE ELEVATION IS SHOWN

ABBREVIATIONS

L	ANGLE	NIC	NOT IN CONTRACT
@	AT	NOM	NOMINAL
AFF	ABOVE FINISH FLOOR	NTS	NOT TO SCALE
ALUM	ALUMINUM	OC	ON CENTER
ARCH	ARCHITECTURAL	OD	OUTSIDE DIAMETER
BLKG	BLOCKING	OPNG	OPENING
CL	CENTER LINE	OPP	OPPOSITE
CJ	CONTROL JOINT	P	PAINT
CLG	CEILING	PL	PLATE, PROPERTY LINE
CTR	CENTER	PR	PAIR
CONC	CONCRETE	R, RAD	RADIUS
CMU	CONCRETE MASONRY UNIT	REQD	REQUIRED
CONT	CONTINUOUS	RD	ROOF DRAIN
DIA	DIAMETER	RO	ROUGH OPENING
DS	DOWNSPOUT	SF	SQUARE FEET
DWG	DRAWING	SIM	SIMILAR
EXT	EXTERIOR	SPEC	SPECIFICATIONS
EXIST	EXISTING	STD	STANDARD
EA	EACH	STR	STRUCTURAL
EJ	EXPANSION JOINT	SUSP	SUSPENDED
ELEC	ELECTRICAL	TBD	TO BE DETERMINED
EL	ELEVATION	TBS	TO BE SELECTED
ELEV	ELEVATOR	TOS	TOP OF STEEL
EQUIP	EQUIPMENT	TOP	TOP OF PLATE
EWC	ELECTRIC WATER COOLER	TYP	TYPICAL
FIN	FINISH	UNO	UNLESS NOTED
FD	FLOOR DRAIN	VERT	VERTICAL
FOF	FACE OF FINISH	VCT	VINYL COMPOSITION TILE
FOS	FACE OF STUD	W	WITH
FR	FIRE RETARDENT	WC	WATER CLOSET
FV	FIELD VERIFY	WR	WATER RESISTANT
GA	GAUGE	WWF	WELDED WIRE FABRIC
GYP BD	GYPSUM BOARD	WD	WOOD
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
HT	HEIGHT		
HVAC	HEATING VENTILATION AIR-CONDITIONING		
ID	INSIDE DIAMETER		
INSUL	INSULATION		
JT	JOINT		
LAV	LAVATORY		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MO	MASONRY OPENING		

PROJECT ADD ALTERNATES

NO ALTERNATES

GENERAL CONSTRUCTION DOCUMENT NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL ENERGY CONSERVATION CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING AND MECHANICAL CODE, WITH SCBC MODIFICATIONS AND THE FOLLOWING INSERTIONS: SECTION 305.4.1, INSERT "18"; SECTION 903.1, INSERT "8".

2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.

4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

5. ALL UTILITIES SHALL BE PROTECTED AND MARKED PRIOR TO ANY EXCAVATION WORK.

6. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PROCESS.

7. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE AND BONDING.

9. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

10. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

11. ALL UTILITIES SHALL BE PROTECTED AND MARKED PRIOR TO ANY EXCAVATION WORK.

12. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PROCESS.

13. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE AND BONDING.

COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND
PRESS BOX
Century Circle, Conway SC
STATE PROJECT NO: H17-9609-MJ-B

No.	Description	Date	Project Number	Drawn By	Checked By
			C-821-15	CAB	CAB

Drawing Title:
**TITLE SHEET, LOCATION MAP,
SYMBOLS, APPLICABLE
CODES, INDEX OF DRAWINGS**

Drawing No.
T1.1

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS

FLOOD HAZARD AREA
 Flood Map Information: Flood Zone: X (A Floodplain Permit is required for A and V Zones)
 Community Number: 450164 Panel Number: 0565K

Is the Project Site in a 100-Year Floodplain? Yes No
 Base Flood Elevation (NGVD or FIRM): N/A MSL
 Design Flood Elevation (IBC 1612.3 & ASCE 24): N/A MSL

NON-HIGH VELOCITY WAVE ACTION
 Elevation of Lowest Proposed Floor (ASCE 24, Chapter 2): N/A MSL
 Dry Floodproofing (ASCE 24): Yes No

HIGH VELOCITY WAVE ACTION
 Elevation of bottom of Lowest Horizontal Structural Member of lowest floor: N/A MSL
 Floodation resistant (ASCE 24): Yes No
 Breakaway wall (ASCE 24): Yes No

IBC 1612 and SE-510, as applicable.

TABLE 2 SOILS & SITE

SOILS INVESTIGATION (if required - IBC 1803.2): Yes No

SOILS CLASSIFICATION
 Site Class (IBC 1613.2.2): D-Default
 Classes Soil of Materials (UCS System) (IBC 1803.5.1): Unknown
 Allowable Footing Bearing Pressure: 1,500 psf

MINIMUM DESIGN SOIL BEARING LOAD (IBC Table 1806.2): 1,500 psf

COMPACTION
 Subgrade: 95 Percent
 Base: 95 Percent
 Other: 90 Percent

MINIMUM DESIGN SOIL LATERAL LOAD (IBC 1810.1): 60 psf

FOOTINGS
 Undisturbed footings: Yes No
 Compacted Fill Material (IBC 1804.6): Yes No

ELEVATIONS
 Elevation of Water Table: Unknown MSL
 Elevation of lowest footing: Unknown MSL
 Elevation of lowest floor or basement: Unknown MSL

NOTE: Where a fire wall is necessary to separate buildings, each building is to be provided individual code criteria Tables 3 through 11. See IBC 503.1.2.

TABLE 3 BASIC BUILDING CODE INFORMATION

CONSTRUCTION CLASSIFICATION (IBC 602): VI

OCCUPANCY CLASSIFICATION (indicate all) (IBC 302 & 504.2): Utility

MOST RESTRICTIVE OCCUPANCY CLASSIFICATION (IBC Tables 504.3, 504.4 & 506.2): Utility

Mixed Occupancy (IBC 508): Yes No
 Separated (IBC 506.2.7 & 508.4): Yes No
 Non-separated (IBC 508.3): Yes No
 Does building require Incidental Use Area Separation? (IBC 509.1): Yes No
 2-way Communication Required (IBC 1009.6.5 & 1009.8): Yes No
 Fire Apparatus Access and Water Curb (IFC 505 & 507): Yes No

OTHER FIRE PROTECTION SYSTEMS, DEVICES or FEATURES
 If the building has any special or notable fire protection or safety feature or hazard the designers should list them here, describe the performance characteristics and refer to locations in construction documents, e.g. fire extinguishers, smoke-evacuation/control compartments - (IBC 414.1.5.1): N/A

TABLE 4 BUILDING HEIGHT & AREA

BUILDING HEIGHT

	AS DESIGNED		AS ALLOWED BY IBC	
	In Feet	In Stories	In Feet	In Stories
IBC TABLE 504.3	35	N/A	40	N/A
IBC TABLE 504.4	N/A	1	N/A	1
TOTAL HEIGHT (including any Allowable Increase)	35	1	40	1

BUILDING AREA

AREA LIMIT AS ALLOWED BY IBC TABLE 506.2 (area limitation for each story): 5500 SF

AREA INCREASES AS ALLOWED BY IBC SECTIONS 506.2 & 506.3 (maximum modified area for each story): N/A

EXPLANATION OF INCREASES:

AREA AS ALLOWED BY IBC

Story	Area	Limitation
1	5500	SF (area this story)
2		SF (area this story)
3		SF (area this story)
4		SF (area this story)
5		SF (area this story)

TOTAL AREA OF BUILDING ALLOWED BY IBC (sum of all stories): 5500 SF

AREA AS DESIGNED

Story	Area	Limitation
1	330	SF (area this story)
2		SF (area this story)
3		SF (area this story)
4		SF (area this story)
5		SF (area this story)

ACCESSORY OCCUPANCY (IBC 506.2 & Table 506.2): _____

TOTAL DESIGNED AREA OF BUILDING (summary of all stories): 330 SF

TABLE 5 BUILDING DESIGN OCCUPANT LOAD

STORY	FUNCTION OF SPACE (1)	A		B		C		DESIGN OCCUPANT LOAD (2)
		FLOOR AREA (NSF or GSF)	MAX AREA ALLOWED PER OCCUPANT (3) (NSF or GSF)	FLOOR AREA (NSF or GSF)	MAX AREA ALLOWED PER OCCUPANT (3) (NSF or GSF)	OCCUPANTS ON FLOOR FOR THIS FUNCTION (4)	OCCUPANTS ON FLOOR FOR THIS FUNCTION (4)	
1	Press Box (Number of Seats)	330				13		13
Subtotal Design Occupant Load for This Story								13
TOTAL BUILDING DESIGN OCCUPANT LOAD								13

FOOTNOTES:
 1. Provide the complete name of the function of space using the left column of Table 1004.5 of the IBC.
 2. Design Area per each occupant of this function on this story in other Group (OSF) or Net (NSF) Square Footage.
 3. Allowed Floor Area in SF per Occupant per right column in Table 1004.5 of the IBC.
 4. Divide Column A (2) by Column B (3) for each function and enter results rounded up to the nearest whole person.
 5. Subtotal all Column C values for this floor to yield the Design Occupant Load.
 6. Total Building Design Occupant Load - sum of all Column D value.

TABLE 6 GENERAL FIRE PROTECTION REQUIREMENTS

SEPARATIONS

Fireblocking Required (IBC Section 718)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Drainage Required (IBC Section 718)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Smoke Control System Required (IBC Section 909)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Smoke Barriers Required (IBC Section 407 & 408)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Smoke Partitions Required (IBC Section 407)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Fire Partition Required (IBC Section 508)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Fire Barrier Required (IBC Section 707)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

ALARM & DETECTION

Fire Alarm System Required (IFC Section 907)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Emergency/Voice Alarm Communications System Required (IFC Sections 907.5.2.2)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Fire Command Center Required (IFC Section 508)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

SUPPRESSION

Standpipes Required (IFC Section 905)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Sprinklers Required (IFC Section 903)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Sprinklers Provided ()	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Portable extinguishers required (IFC 906)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Other suppression systems required (IFC 904)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Smoke & heat vents required (IFC 910)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

OTHER: (Indicate other provided fire and life safety features not listed above, if any)
 Emergency Responder Radio Coverage (IFC Section 510): Yes No

TABLE 7 FIRE RESISTANCE RATING OF BUILDING ELEMENTS

BUILDING ELEMENT	RATING AS REQUIRED (in hours)	RATING AS DESIGNED (in hours)	TESTING AGENCY NO. (UL, FM, etc)	DESIGNERS WALL / PARTITION KEY CODE
Primary Structural Frame (IBC Table 601)	N/A			
Bearing Walls (IBC Table 601)				
Exterior (IBC Table 705.5)	N/A			
Interior	N/A			
Nonbearing Walls & Partitions (IBC Table 601, including footnote "N" & 602)				
Exterior (IBC Table 705.5)	N/A			
Interior	N/A			
Floor Construction (IBC Table 601) (including supporting beams & joists)	N/A			
Roof Construction (IBC Table 601) (including supporting beams & joists)	N/A			
Fire Walls (IBC Section 706)	N/A			
Fire Barriers (IBC Section 707)	N/A			
Fire Partitions (IBC Section 708)	N/A			
Shaft Enclosures (IBC Section 713)	N/A			
Opening & Protective Listing by Category (fire shutters, doors, etc. - IBC Section 716)	N/A			
Others (as required by Designer)	N/A			

TABLE 8 STRUCTURAL DESIGN INFORMATION

RISK CATEGORY (IBC Table 1604.5): III

LIVE LOADS
 FLOOR VALUES TO BE PROVIDED BY ENGINEER OF RECORD PROVIDING SHOP DRAWINGS FOR THE BLEACHERS AND PRESS BOX.

Floor Live Loads:
 Occupancy/Use: ASSEMBLY $F_L = 100$ PSF
 Occupancy/Use: _____ $F_L =$ _____ PSF
 Occupancy/Use: _____ $F_L =$ _____ PSF
 Occupancy/Use: _____ $F_L =$ _____ PSF
 Roof Live Load: $R_L = 20$ PSF
 Ground Snow Load (IBC Figure 1608.2 or ASCE 7): $S_g = 10$ PSF

WIND LOADS
 Analysis Procedure (ASCE 7 or IBC 1609.1): ASCE 7
 Basic Design Wind Speed (IBC Fig 6-1699.3(1+3)) $V = 153$ MPH
 Exposure Category (IBC 1609.4.3): C
 Internal Pressure Coefficient (ASCE 7): $GCF = -0.18$
 External Pressure Coefficient (ASCE 7): $GCE =$ VARIABLES
 Protection of Openings Required (IBC 1609.2): Yes No
 If "Yes", check one: Impact Resistant Glazing
 Impact Resistant Covering

SEISMIC LOADS
 Seismic Importance Factor (ASCE 7 Table 1.5-2): $I_e = 1.25$
 Site Class (IBC 1613.2.2): D-DEFAULT
 Mapped Spectral Response Accelerations: $S_1 = 0.312$ $S_0 = 0.115$
 Design Spectral Response Acceleration Parameters: $S_{d1} = 0.324$ $S_{d0} = 0.181$
 Seismic Design Category (IBC Tables 1613.2.5.1 and 1613.2.5.2): C
 Basic Seismic Force Resisting System: PER MFR
 Design Base Shear (ASCE 7 Chapter 12): PER MFR KIPS
 Seismic Response Coefficient(s) (ASCE 7): $C_s =$ PER MFR
 Response Modification Factor(s) (ASCE 7): $R =$ PER MFR
 Analysis Procedure: PER MFR

ARCHITECTURAL-MECHANICAL-ETC. LOADS
 Provide as applicable: architectural items, mechanical, plumbing, etc. (ASCE 7) N/A

SPECIAL LOADS
 Provide as applicable: abnormal items, moving loads, impact, hoisting, etc. (ASCE 7) N/A

TABLE 9 PLUMBING INFORMATION

WATER SYSTEM: Service Line Size: _____ In. Peak Flow: _____ GPM Total Demand: _____ No. Fixtures: _____

SANITARY SEWER SYSTEM: Loading: _____ GPD Service Line Size: _____ Inches Slope: _____ (in inches/ft)

MINIMUM PLUMBING FIXTURES REQUIRED BY OCCUPANCY: (IFC Section 403 & Table 403.1)
 All Occupancy Classifications (same as OSE Table 3); Total Building Design Occupant Load (same as OSE Table 6): _____

1. Occupancy: _____ Total Load for this Occupancy: _____ Male: _____ Female: _____
 Water Closets/Urinals (IFC Section 434.2): MALE: _____ (if Urinals allowed) _____ FEMALE: _____
 Lavatories: _____ FEMALE: _____
 Drinking Fountains: _____
 Urinals/Toilet: _____
 Service Sink: _____
 Other (list): _____

2. Occupancy: _____ Total Load for this Occupancy: _____ Male: _____ Female: _____
 Water Closets/Urinals (IFC Section 434.2): MALE: _____ (if Urinals allowed) _____ FEMALE: _____
 Lavatories: _____ MALE: _____ FEMALE: _____
 Drinking Fountains: _____
 Urinals/Toilet: _____
 Service Sink: _____
 Other (list): _____

3. Occupancy: _____ Total Load for this Occupancy: _____ Male: _____ Female: _____
 Water Closets/Urinals (IFC Section 434.2): MALE: _____ (if Urinals allowed) _____ FEMALE: _____
 Lavatories: _____ MALE: _____ FEMALE: _____
 Drinking Fountains: _____
 Urinals/Toilet: _____
 Service Sink: _____
 Other (list): _____

TOTAL BUILDING COUNTS REQUIRED/PROVIDED (add all occupancies)

Note: Round up all numbers. Whole numbers only.	REQUIRED		PROVIDED	
	Male	Female	Male	Female
Total Water Closets/Urinals (if Urinals allowed)	_____	_____	_____	_____
Total Lavatories	_____	_____	_____	_____
Total Drinking Fountains	_____	_____	_____	_____
Total Urinals/Toilets	_____	_____	_____	_____
Total Service Sinks	_____	_____	_____	_____
Total Other (list)	_____	_____	_____	_____

TABLE 10 MECHANICAL INFORMATION

AIR COMFORT SYSTEMS:
 Overall Thermal Transfer Value (ITTV): _____ (1) (IBC 6-7 x SF)
 Building Cooling Load: _____ BTU/Ton
 Building Heating Load: _____ BTU/(HP x SF)

OTHER LOADING FEATURES:
 Glass: _____ U Factor: _____ Window to wall ratio: _____
 Insulation Values: _____ Roof: _____ Exterior Walls: _____
 Outside Air minimum volume required: _____ CFM Occupants: _____

MECHANICAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT
 Briefly describe mechanical system: _____

TABLE 11 - ELECTRICAL INFORMATION

SERVICE TRANSFORMER: By Utility Company
 By Agency (if by Agency): _____ KVA Primary _____ Voltage/Phase _____

ELECTRICAL SERVICE INFORMATION:
 Service Voltage/Phase: 480 V/3 Amperes: 400
 Service Entrance Conductors Size: existing service Quantity per Phase: _____
 Total Connected Load: _____ KVA Estimated Demand Factor: _____
 Estimated Maximum Demand: 300 Amperes
 Available Fault Current in Symmetrical Amperes: _____ Amperes
 Interrupting Capacity of Service Overcurrent Device: 100 Amperes

Grounding Electrode System Components:
 Metal Underground Water Pipe
 Metal In-ground Support Structures
 Ground Ring
 Plate Electrodes
 Other Listed Electrodes, please specify: _____

Concrete-Enclosed Electrode:
 Rod and Pipe Electrodes
 Other Local Metal Underground Systems or Structures

EMERGENCY SERVICE INFORMATION:
 Generator 1: Emergency Standby Op. Standby _____ Voltage/Phase _____ Fuel _____ KVA
 Generator 2: Emergency Standby Op. Standby _____ Voltage/Phase _____ Fuel _____ KVA
 Exit/Emergency Egress Lighting Backup Power: Battery Generator
 Fire Alarm System: Manual Auto Manual/Auto Addressable: Class: A B C (Other)
 Fire Alarm System Method of Communication to Monitoring Station (please specify): _____
 Fire Alarm Pathway Survivability: Level 0 Level 1 Level 2 Level 3
 Carbon Monoxide Detection Required? Yes No
 Carbon Dioxide Detection Required? Yes No
 Emergency Responder Radio Coverage Enhancement Required? Yes No

LIGHTNING PROTECTION SYSTEM PROVIDED: Yes No

BOUDREAU
 inspired design

803.799.0247 P
 BoudreauGroup.com

1519 Sumter Street
 Columbia, SC 29201

STATE OF SOUTH CAROLINA
 The Boudreau Group, Inc.
 Columbia, South Carolina
 8-7101
 REGISTERED ARCHITECT

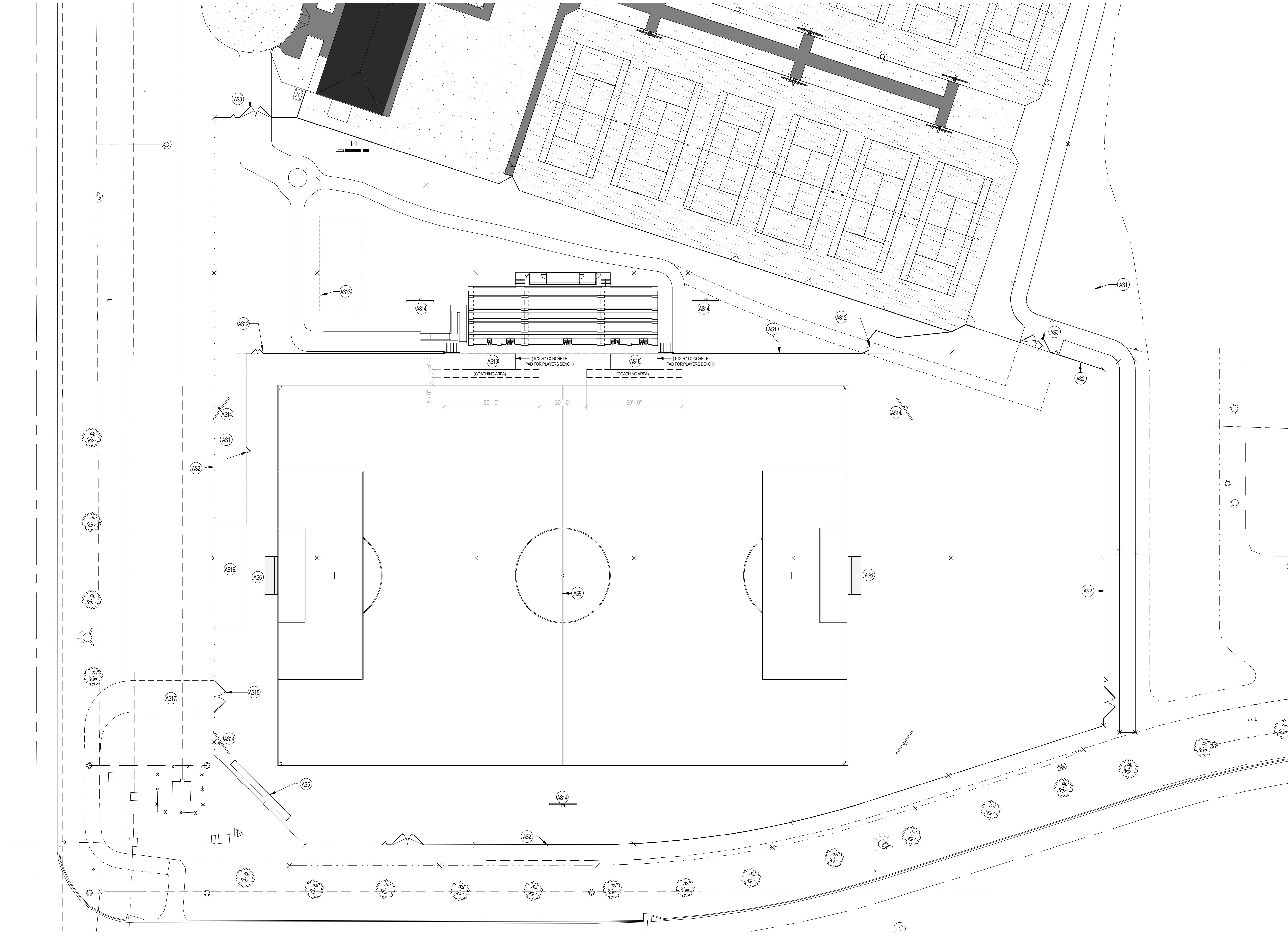
STATE OF SOUTH CAROLINA
 No. 5336
 4-17-23
 REGISTERED ARCHITECT

COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
 Century Circle, Conway SC
 STATE PROJECT NO.: HT-9908-MLB

OSE CODE TABLES

Drawing Title: _____
 Drawing No. **T2.1**

1 SITE PLAN
AS1.1 1" = 30'-0"



SITE PLAN KEYNOTE LEGEND

- AS1 3'-0" HIGH POWDER COATED CHAIN-LINK FENCE
- AS2 EXISTING CHAIN-LINK FENCE TO REMAIN
- AS3 EXISTING GATE
- AS5 EXISTING SCOREBOARD
- AS6 SOCCER GOAL (FOI)
- AS9 EXISTING SOCCER FIELD LINES
- AS12 12'-0" WIDE X 3'-0" HIGH DOUBLE CHAIN-LINK SWING GATE
- AS13 LOCATION OF FUTURE RESTROOM/CONCESSION BUILDING
- AS14 EXISTING FIELD LIGHTING
- AS15 NEW 12'-0" WIDE BY 8'-0" HIGH DOUBLE CHAIN-LINK SWING GATE INSTALLED IN EXISTING FENCING
- AS16 NEW 20' WIDE BY 6' LONG CONCRETE PAD FOR RELOCATED METAL BLEACHERS
- AS17 NEW GRAVEL DRIVE
- AS18 PROVIDE NEW CUSTOM TEAM BENCH ON TOP OF CONCRETE PAD PER A1.5.

ARCHITECTURAL SITE PLAN

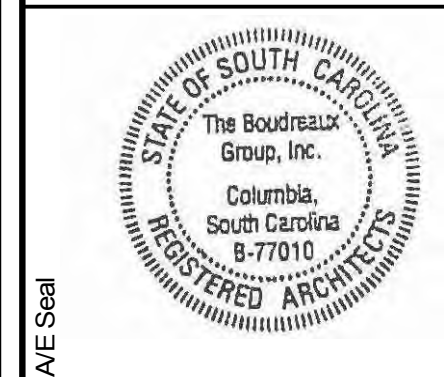
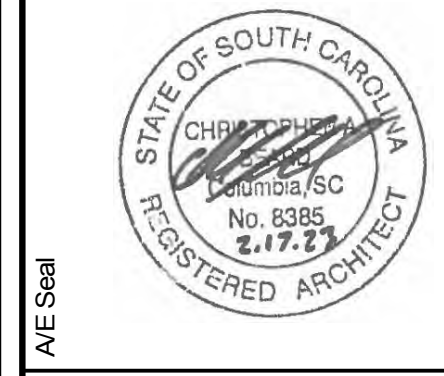
Drawing No. AS1.1

No.	Description	Date	Project Number
			C-821-15
			Drawn By
			Author
			Checked By
			Checker
			02/01/2023

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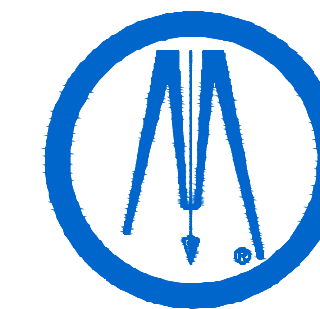
COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND
PRESS BOX
Century Circle, Conway SC

STATE PROJECT NO: H17-9908-MLB



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inspired design

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803.799.0247 P
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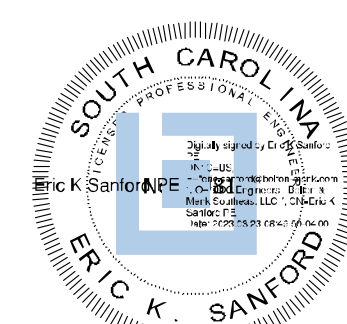
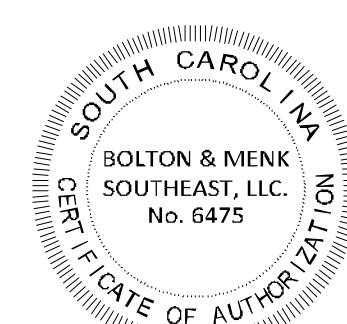
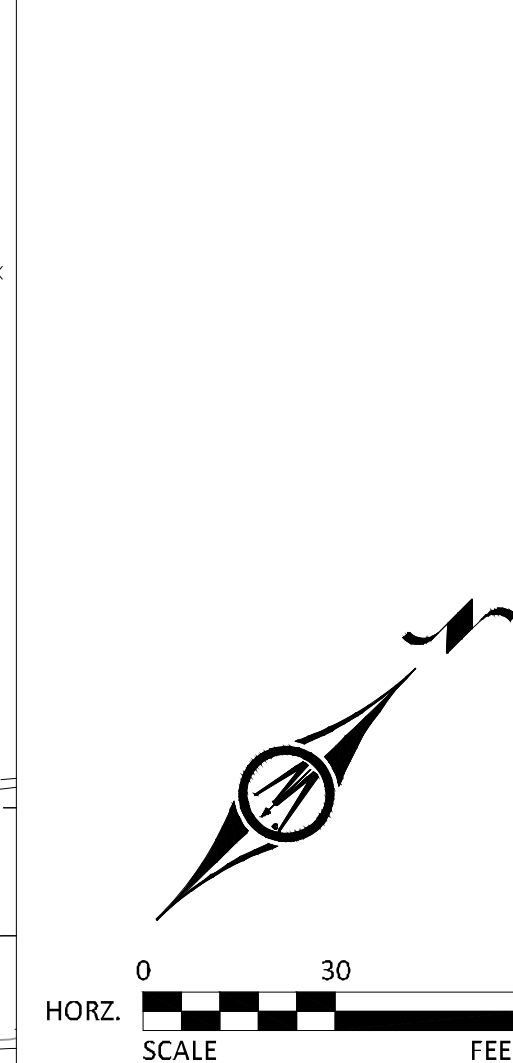
1519 SUMTER STREET, COLUMBIA, SC

**COASTAL CAROLINA
SOCCER COMPLEX
PHASE II**
HORRY COUNTY, SC

**PRELIMINARY SITE
LAYOUT PLAN**

PROJECT NO:
23002E

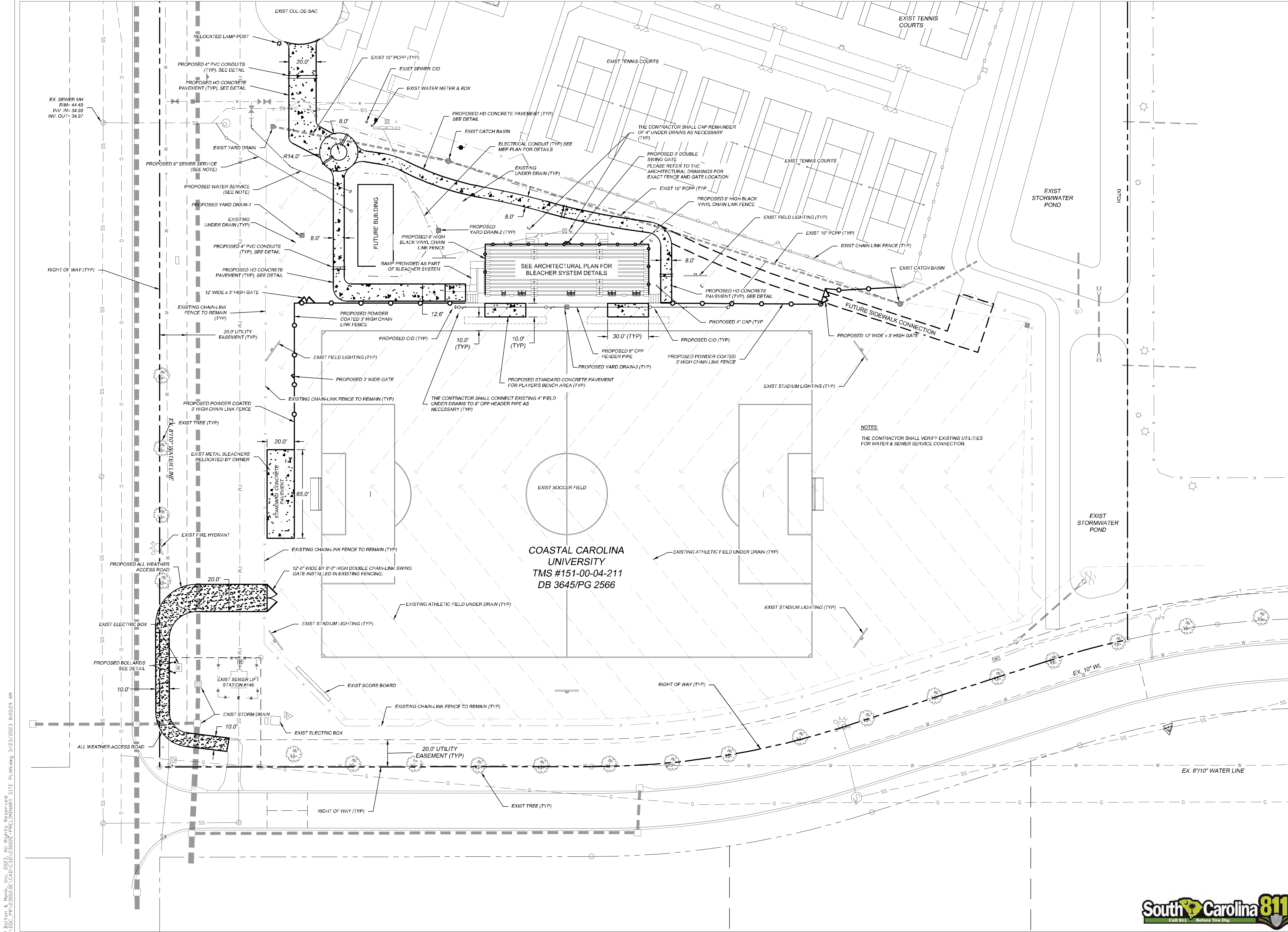
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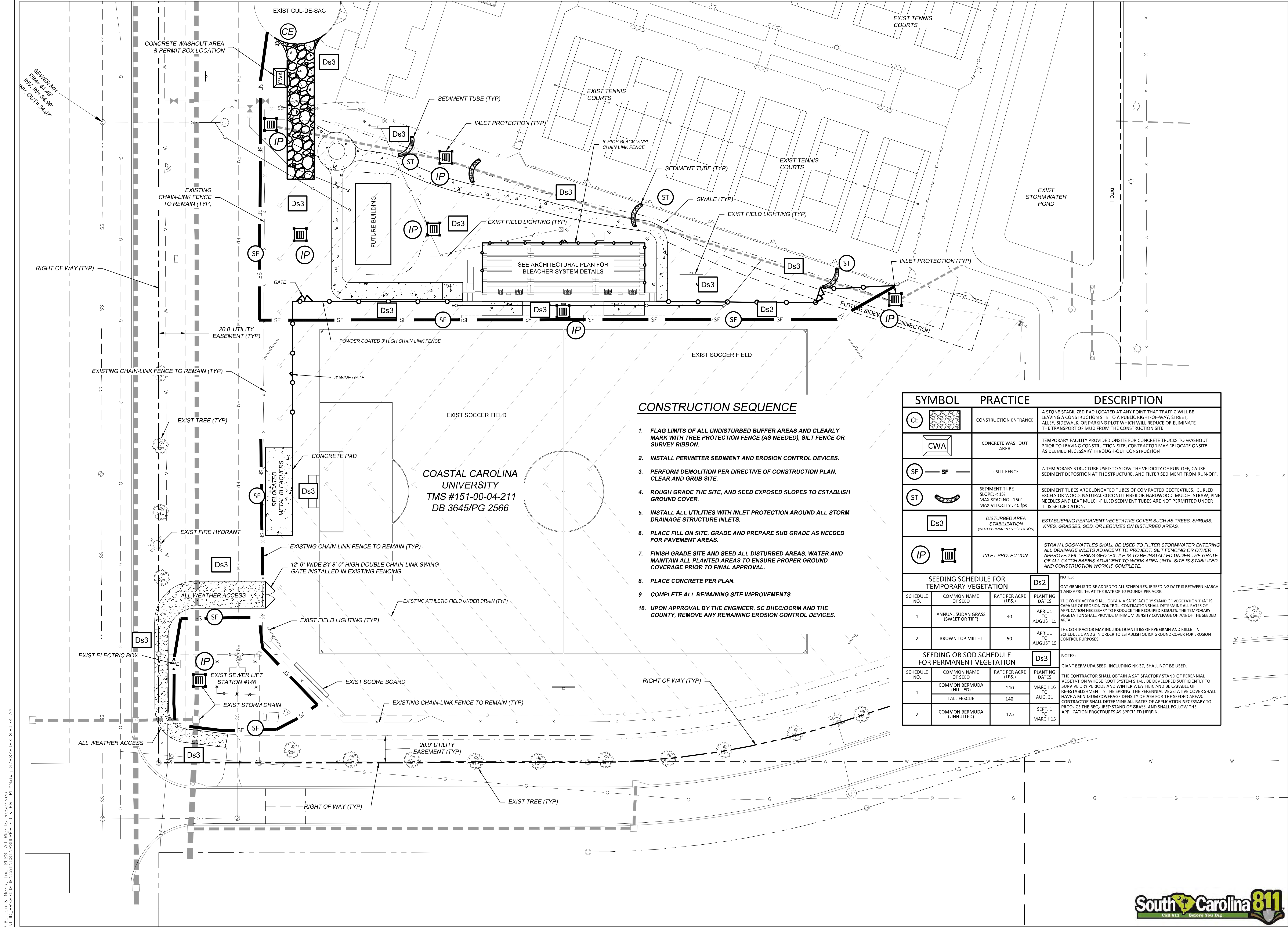
DATE: 02/17/2023
DESIGNED BY:
DRAWN BY:
CHECKED BY: EKS/DRJ

C1.01

FILE NO.:



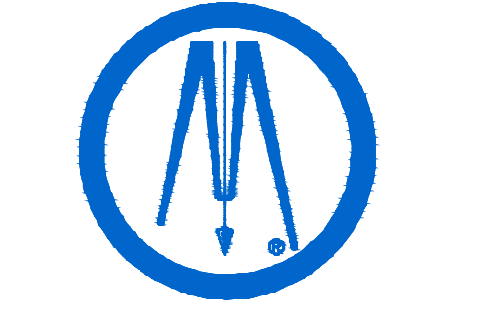
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PROJECT: COASTAL CAROLINA SOCCER COMPLEX PHASE II PRELIMINARY SITE LAYOUT PLAN
DATE: 3/23/2023 8:20:25 AM



CONSTRUCTION SEQUENCE

1. FLAG LIMITS OF ALL UNDISTURBED BUFFER AREAS AND CLEARLY MARK WITH TREE PROTECTION FENCE (AS NEEDED), SILT FENCE OR SURVEY RIBBON.
2. INSTALL PERIMETER SEDIMENT AND EROSION CONTROL DEVICES.
3. PERFORM DEMOLITION PER DIRECTIVE OF CONSTRUCTION PLAN, CLEAR AND GRUB SITE.
4. ROUGH GRADE THE SITE, AND SEED EXPOSED SLOPES TO ESTABLISH GROUND COVER.
5. INSTALL ALL UTILITIES WITH INLET PROTECTION AROUND ALL STORM DRAINAGE STRUCTURE INLETS.
6. PLACE FILL ON SITE, GRADE AND PREPARE SUB GRADE AS NEEDED FOR PAVEMENT AREAS.
7. FINISH GRADE SITE AND SEED ALL DISTURBED AREAS, WATER AND MAINTAIN ALL PLANTED AREAS TO ENSURE PROPER GROUND COVERAGE PRIOR TO FINAL APPROVAL.
8. PLACE CONCRETE PER PLAN.
9. COMPLETE ALL REMAINING SITE IMPROVEMENTS.
10. UPON APPROVAL BY THE ENGINEER, SC DHEC/OCRM AND THE COUNTY, REMOVE ANY REMAINING EROSION CONTROL DEVICES.

SYMBOL	PRACTICE	DESCRIPTION	
	CONSTRUCTION ENTRANCE	A STONE STABILIZED PAD LOCATED AT ANY POINT THAT TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT OF WAY, STREET, ALLEY, SIDEWALK, OR PARKING PLOT WHICH WILL REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION SITE.	
	CONCRETE WASHOUT AREA	TEMPORARY FACILITY PROVIDED ON SITE FOR CONCRETE TRUCKS TO WASHOUT PRIOR TO LEAVING CONSTRUCTION SITE, CONTRACTOR MAY RELOCATE ON SITE AS DEEMED NECESSARY THROUGHOUT CONSTRUCTION.	
	SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.	
	SEDIMENT TUBE	SEDIMENT TUBES ARE ELONGATED TUBES OF COMPACTED GEOTEXTILES, CURLED EXCELSOR OR WOOD, NATURAL COCONUT FIBER OR HARDWOOD MULCH, STRAW, PINE NEEDLES AND LEAF MULCH FILLED SEDIMENT TUBES ARE NOT PERMITTED UNDER THIS SPECIFICATION.	
	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOY, OR LEGUMES ON DISTURBED AREAS.	
	INLET PROTECTION	STRAW LOGS/WATTLES SHALL BE USED TO FILTER STORMWATER ENTERING ALL DRAINAGE INLETS ADJACENT TO PROJECT. SILT FENCING OR OTHER APPROVED FILTERING GEOTEXTILE IS TO BE INSTALLED UNDER THE GRATE OF ALL CATCH BASINS ADJACENT TO WORK AREA UNTIL SITE IS STABILIZED AND CONSTRUCTION WORK IS COMPLETE.	
SEEDING SCHEDULE FOR TEMPORARY VEGETATION		Ds2 NOTES: OAT GRASS IS TO BE ADDED TO ALL SCHEDULES, IF SEEDING DATE IS BETWEEN MARCH 1 AND APRIL 15, AT THE RATE OF 10 POUNDS PER ACRE.	
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	ANNUAL SUDAN GRASS (SWEET OR TIFF)	40	APRIL 1 TO AUGUST 15
2	BROWN TOP MILLET	50	APRIL 1 TO AUGUST 15
SEEDING OR SOD SCHEDULE FOR PERMANENT VEGETATION		Ds3 NOTES: GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.	
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	COMMON BERMUDA (HULLED)	210	MARCH 16 TO AUG. 31
	TALL FESCUE	140	
2	COMMON BERMUDA (UNHULLED)	175	SEPT. 1 TO MARCH 15



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MYRTLE BEACH, SOUTH CAROLINA 29577
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Email: myrtlebeach@bolton-menk.com
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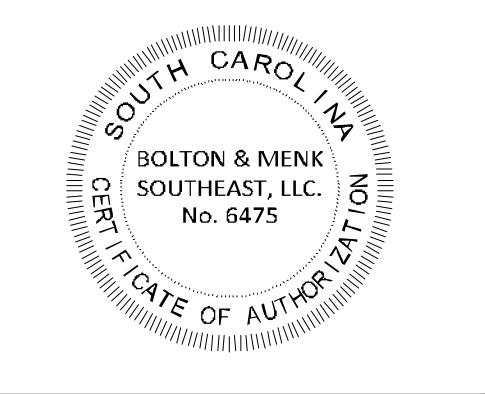
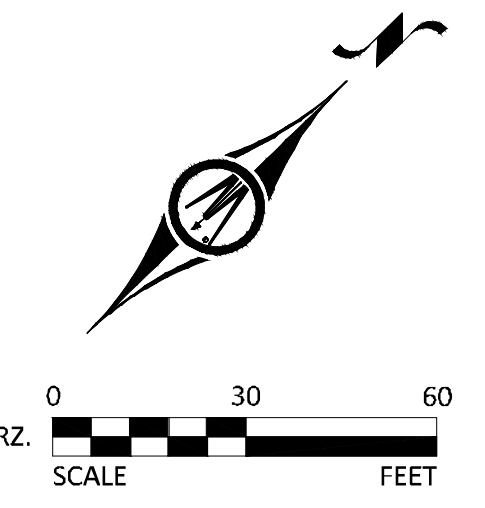
1519 SUMTER STREET, COLUMBIA, SC

COASTAL CAROLINA SOCCER COMPLEX PHASE II
HORRY COUNTY, SC

SEDIMENT & EROSION CONTROL PLAN

PROJECT NO:
23002E

REVISIONS:



DATE: 02/17/2023
DESIGNED BY:
DRAWN BY:
CHECKED BY: EKS/DRJ

C2.01

FILE NO.:



EROSION CONTROL NOTES:

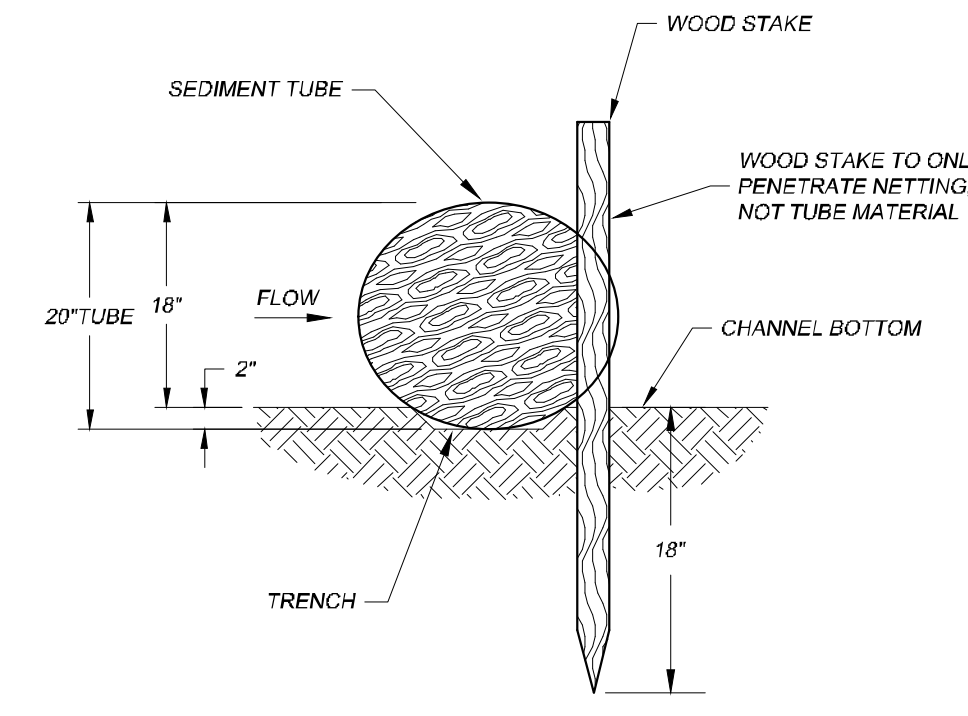
- TOTAL DEVELOPMENT AREA: 1.15 ± ACRES
- DISTURBED AREA THIS PHASE: 1.22 ± ACRES
- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEARED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR 100000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (W6S), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50 FOOT BUFFER MAINTAINED BETWEEN THE DISTURBED AREA AND ALL W6S. A 10 FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL W6S.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEAN OUT OF STUCCO, PAINT, FORM RELEASE OILS DURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE, AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND / OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SILT BARRIERS AND SEDIMENT CONTROL INSTALLATIONS DURING CONSTRUCTION UNTIL THE COMPLETION OF THE SITE DEVELOPMENT.
- EROSION CONTROL DEVICES MUST BE INSTALLED IMMEDIATELY AFTER LAND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE CONTROL DEVICES MAY BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS, IF DRAINAGE PATTERNS DURING CONSTRUCTION VARY FROM THE FINAL DRAINAGE PATTERNS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SOIL EROSION CONTROL FOR ALL DRAINAGE PATTERNS DURING ALL STAGES OF CONSTRUCTION. ALL INADEQUACIES IN SOIL EROSION CONTROL DURING ANY PHASE OF CONSTRUCTION MUST BE REPORTED IMMEDIATELY TO THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING OF ALL DEVICES.
- FAILURE TO INSTALL, OPERATE AND MAINTAIN ALL EROSION CONTROL MEASURES, AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE ENGINEER AND/OR OCRM WILL RESULT IN ALL WORK ON THE CONSTRUCTION SITE BEING STOPPED UNTIL PROPER CORRECTIVE MEASURES HAVE BEEN MET, AS REQUIRED AND/OR DIRECTED.
- ALL LAND DISTURBING ACTIVITIES REQUIRES COMPLIANCE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES (PERMIT NO. SCR100000). ANY NONCOMPLIANCE WITH THESE REGULATIONS IS A VIOLATION OF THE FEDERAL CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY THE COUNTY OR SCDHEC.
- CONTRACTOR SHALL PROVIDE A WATER TIGHT ENCLOSURE FOR STORAGE OF THE OCRM CERTIFIED PLANS AND INSPECTION REPORTS. ENCLOSURE SHALL BE LOCATED IN AN AREA ACCESSIBLE TO REGULATORY PERSONNEL.
- ALL STOCKPILE TO BE PROTECTED WITH SILT FENCE.
- ALL CONCRETE TO BE WASHED OUT IN AN APPROVED AREA.

GENERAL NOTES

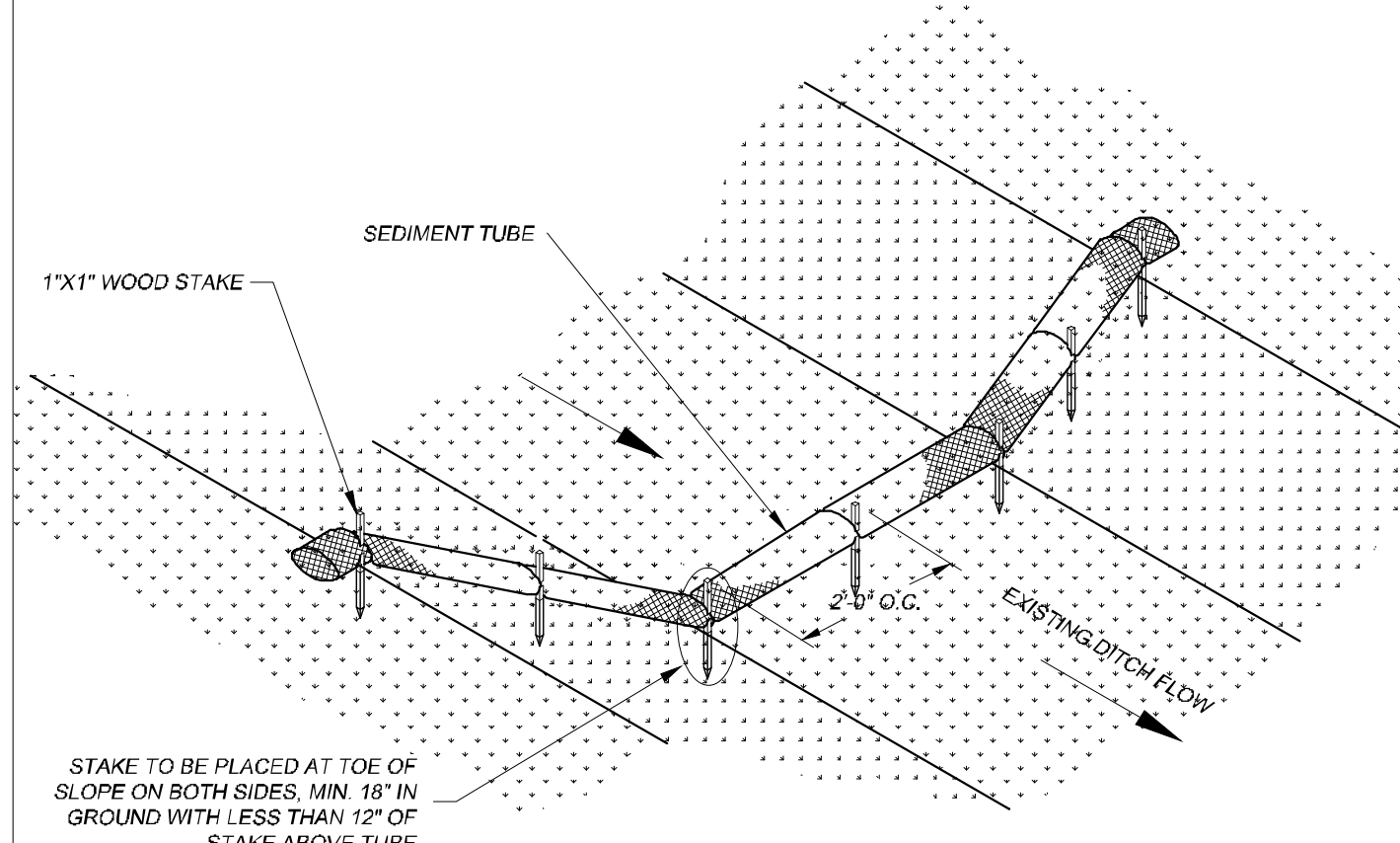
- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, SOUTH CAROLINA AND LOCAL ORDINANCES, REGULATIONS, SPECIFICATIONS AND PERMITS.
- WORK WITHIN PUBLIC RIGHT-OF-WAYS OR PRIVATE EASEMENTS SHALL BE ACCOMPLISHED BY THE CONTRACTOR ACCORDING TO THE REQUIREMENTS OR CONDITIONS OF THE ENCROACHMENT PERMIT OR OTHER LEGAL DOCUMENTS AS THOUGH DOCUMENTS WERE ISSUED IN THE CONTRACTOR'S NAME. THE CONTRACTOR SHALL MAINTAIN COPIES OF THESE DOCUMENTS ON THE SITE AT ALL TIMES.
- WORK WITHIN STATE HIGHWAY RIGHT-OF-WAYS SHALL BE COORDINATED WITH THE SCDOT PRIOR TO AND DURING CONSTRUCTION, AND SHALL COMPLY WITH THE REQUIREMENTS OF THE ENCROACHMENT PERMITS.
- ALL WORK SHALL COMPLY WITH THE FOLLOWING: "A POLICY FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHT-OF-WAYS" BY THE SCDOT REVISED MARCH 2019, A COPY OF WHICH IS AVAILABLE FROM THE STATE UTILITIES ENGINEER'S OFFICE IN COLUMBIA.

"MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" BY THE SCDOT, DATED 2000, AND ALL SUBSEQUENT ADDENDA, SHALL BE USED TO DETERMINE SIGNAGE AND TRAFFIC CONTROL REQUIREMENTS.

"STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" BY SCDOT, DATED 2007, SHALL BE USED TO DETERMINE MATERIALS AND METHODS OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR REPAIRING ANY DAMAGE TO SAME. UTILITY LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES THAT MAY HAVE SERVICE IN THE AREA FOR AN ACCURATE LOCATION PRIOR TO BEGINNING WORK.
- WHEN THE CONTRACTOR IS UNABLE TO COMPLETE HIS WORK AS SHOWN ON THE PLANS BECAUSE OF AN EXISTING UTILITY, CONTRACTOR SHALL STAKE THE LOCATION OF THE UTILITY PRIOR TO PROCEEDING AND CONTACT THE ENGINEER.
- ALL TRENCHES SHALL BE COMPACTED TO 98% STANDARD PROCTOR. TRENCHES LOCATED IN ASPHALT PAVED AREAS SHALL BE BACKFILLED WITH SELECT SAND. EXCESS EXCAVATION MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT NO ADDITIONAL COST TO THE OWNER.
- PROVISIONS SHALL BE MADE TO PREVENT EROSION AND SILTATION CAUSED BY CONSTRUCTION. TEMPORARY GRASSING, HAY BALES, SILT FENCES OR OTHER METHODS, AS CALLED FOR ON THE PLAN OR THAT MAY BE REQUIRED, SHALL BE USED.
- PROVISIONS SHALL BE MADE TO ENSURE POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. NATURAL DRAINAGE FEATURES DISTURBED BY CONSTRUCTION MUST BE RE-ESTABLISHED. NO PONDING DUE TO SPOILS STOCKPILING OR OTHER ACTIVITIES SHALL BE PERMITTED.
- ALL EXISTING STRUCTURES, UTILITIES, AND PHYSICAL FEATURES SHOWN ON THE PLANS ARE EXISTING UNLESS OTHERWISE LABELLED OR NOTED.
- PROPERTY LINES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
- THREE DAYS BEFORE DIGGING IN SOUTH CAROLINA CALL 811 PALMETTO UTILITY LOCATION SERVICE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
- ALL ELEVATIONS ARE BASED ON MSL NAVD 1988 VERTICAL DATUM.

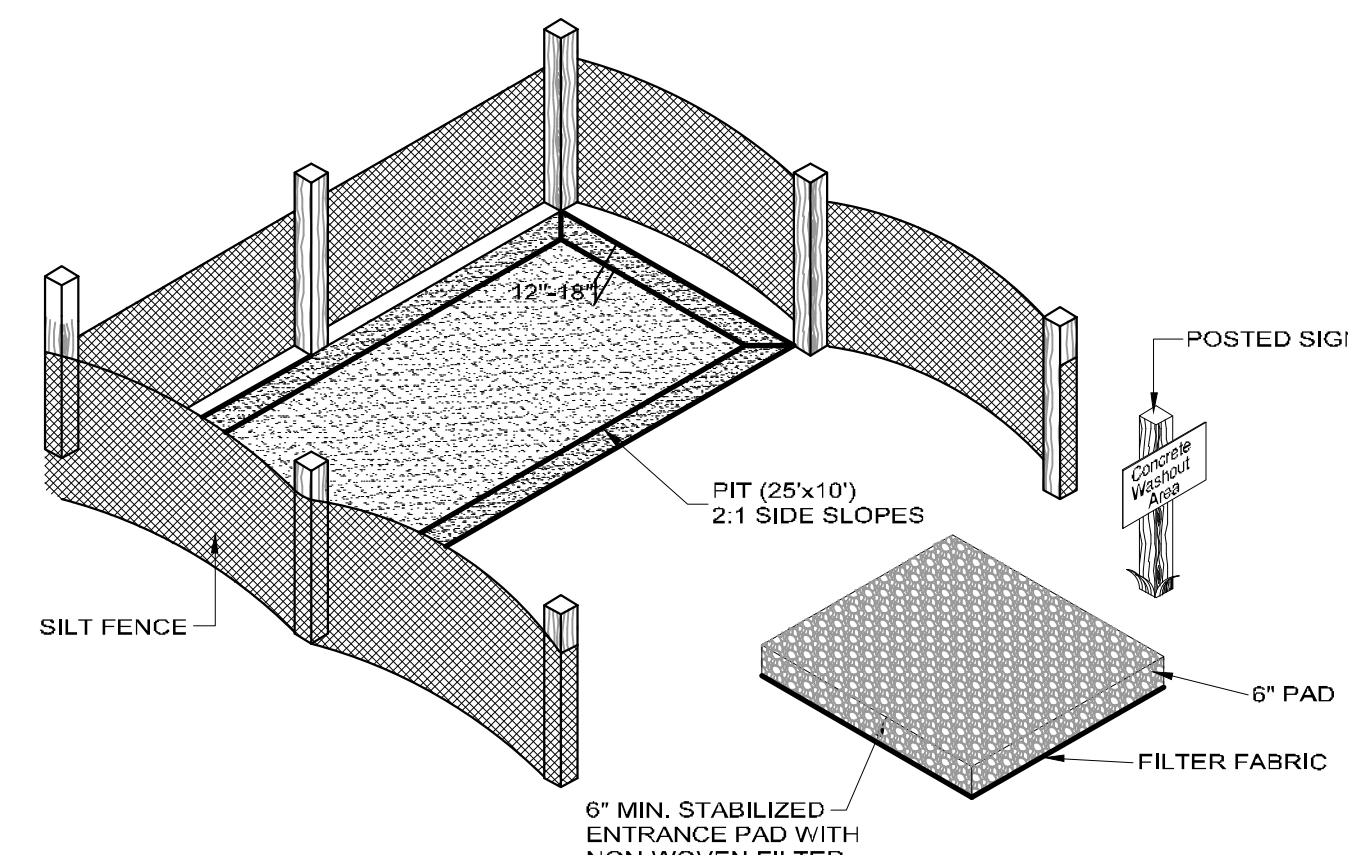


STAKE DETAIL (WITH TRENCH)



SEDIMENT TUBE CHECK DAM DETAIL (NO BLANKET)

ST SEDIMENT TUBE DETAIL
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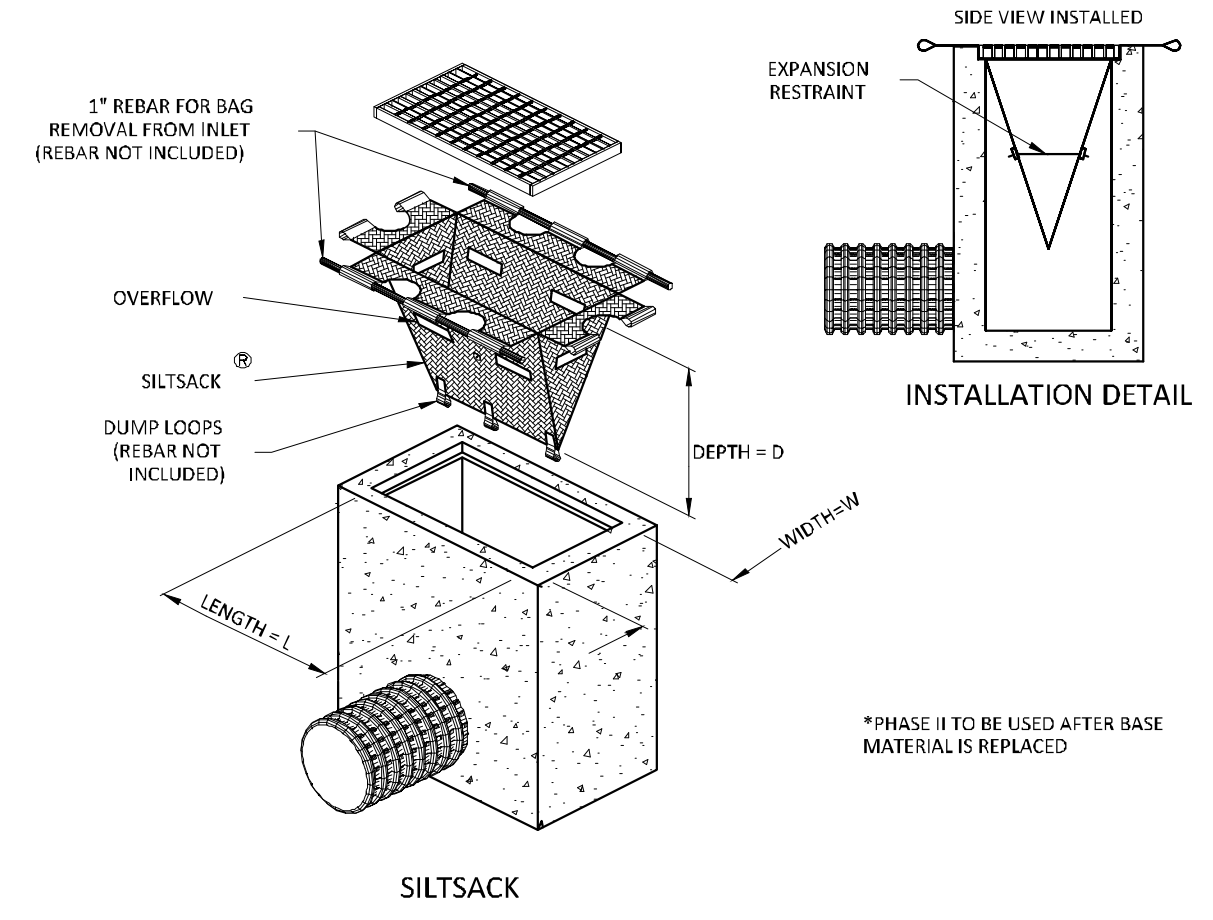
NOTE:

CONTRACTOR TO MAINTAIN THROUGH OUT CONSTRUCTION BY REMOVING CONCRETE & LEGALLY DISPOSING OF WHEN PIT IS FULL.

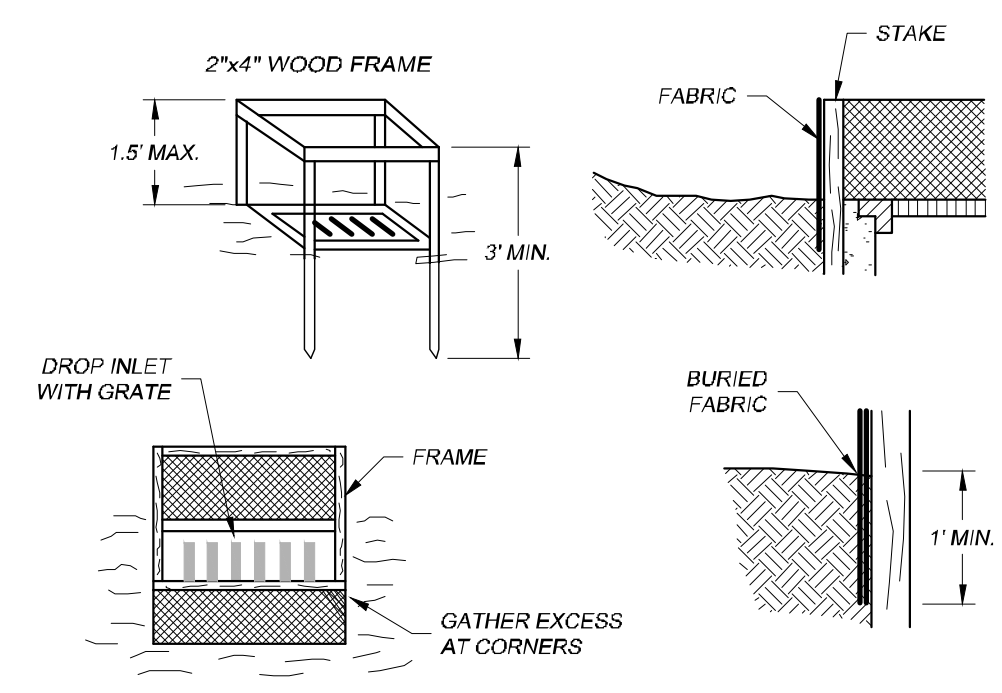
CONTRACTOR TO MAINTAIN PROPER CONSTRUCTION OF WASH-OUT FACILITY FOR THE DURATION OF THE PROJECT.

CONTRACTOR MAY RELOCATE ON SITE IF NEEDED.

CWA CONCRETE WASHOUT AREA
SCALE: N.T.S.



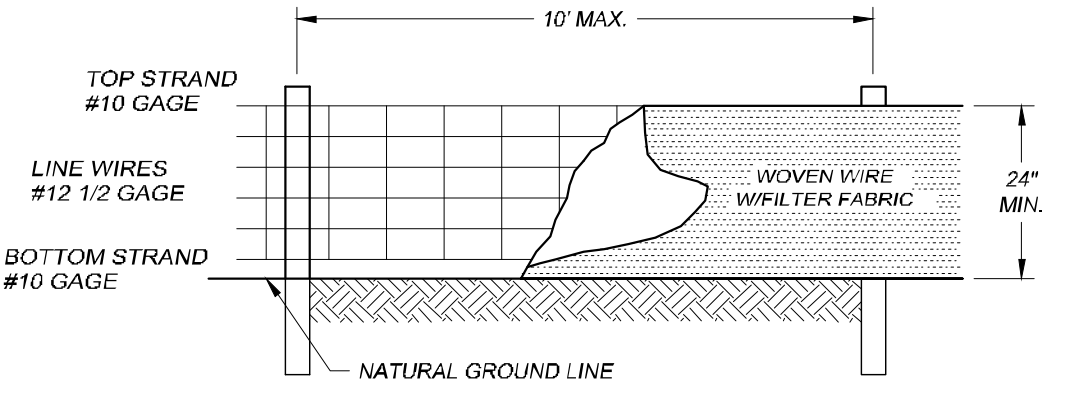
IP PHASE 2 INLET PROTECTION
SCALE: N.T.S.



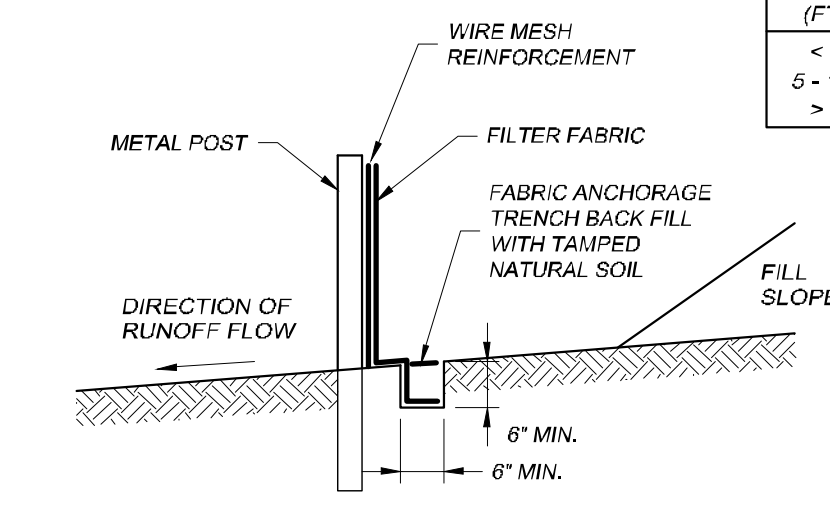
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SILT FENCE NOTES:

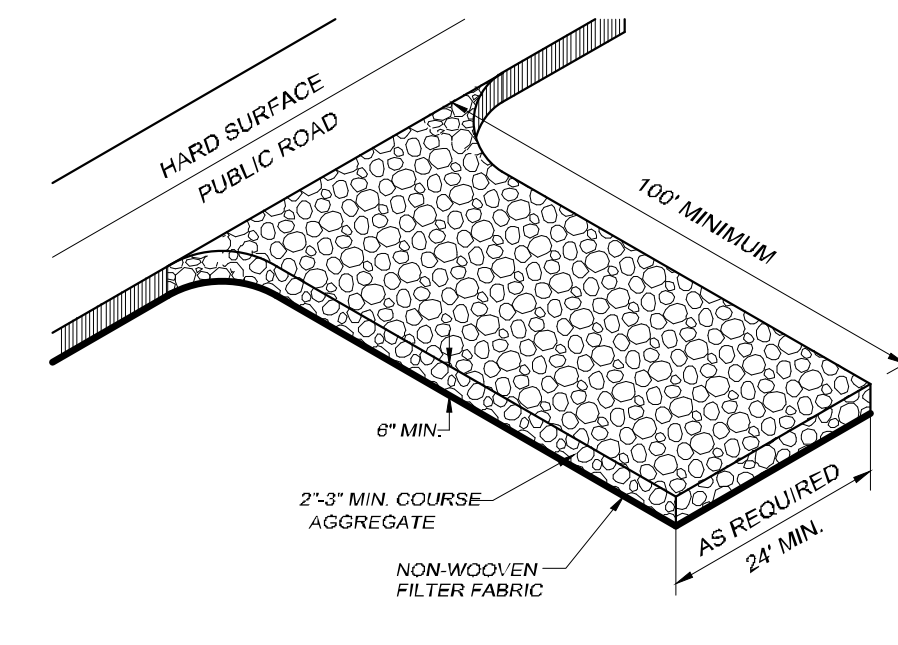
- WOVEN WIRE BACKING IS REQUIRED ONLY ALONG CRITICAL LINE AND AT THE TOE OF SLOPES WHOSE HEIGHT IS GREATER THAN 5'
- WOVEN WIRE FENCE SHALL BE REQUIRED AS A BACKING FOR FILTER FABRIC WITH AN ELONGATION AS DETERMINED BY ASTM D 1682, OF 50% OR GREATER. THE WIRE FENCE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
- STEEL POST MUST BE USED. STEEL POST SHALL BE A MINIMUM OF 5' LONG WEIGH A MINIMUM OF 1.3 POUNDS/FOOT, AND HAVE PROJECTIONS FOR FASTENING THE WIRE OR THE FABRIC TO THE POST. STEEL POST SHALL ALSO HAVE A METAL PLATE SECURELY ATTACHED SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW GROUND LEVEL FOR ADDITIONAL STABILITY. POSTS SHALL BE INSTALLED TO A DEPTH DIRECTED BY THE ENGINEER, WITH 1 TO 2 INCHES OF THE POST PROTRUDING ABOVE THE TOP OF THE WIRE FENCE OF FABRIC BEING IDEAL, BUT IN ANY CASE, NO MORE THAN 3' OF THE POST SHALL PROTRUDE ABOVE THE GROUND.



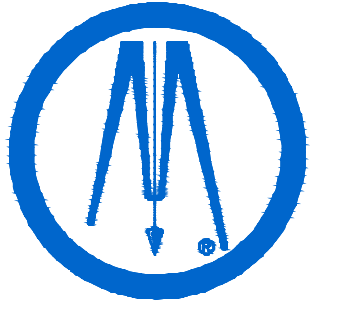
HEIGHT OF FILL (FT.)	MIN. SILT FENCE OFFSET FROM TOE OF SLOPE (FT.)
< 5	0
5 - 10	3
> 10	5



SF CONSTRUCTION OF A SILT FENCE
SCALE: N.T.S.



CE GRAVEL CONSTRUCTION ENTRANCE
SCALE: N.T.S.



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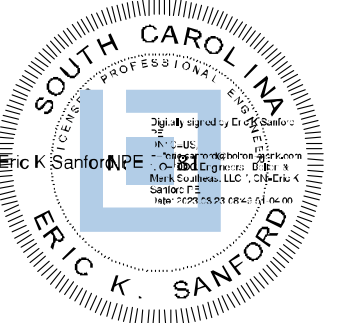
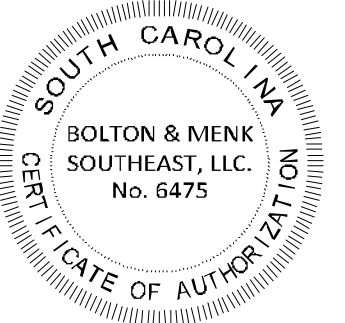
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HORRY COUNTY, SC

SEDIMENT & EROSION CONTROL DETAILS

PROJECT NO:
23002E

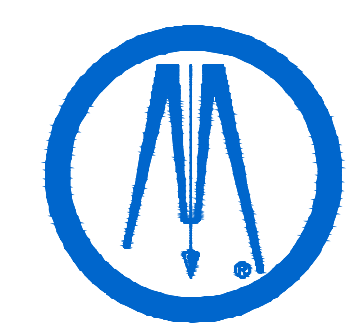
REVISIONS:



DATE: 02/17/2023
DESIGNED BY:
DRAWN BY:
CHECKED BY: EKS/DRJ

C2.02

FILE NO.:



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**THE BOUDREAU
GROUP, INC**

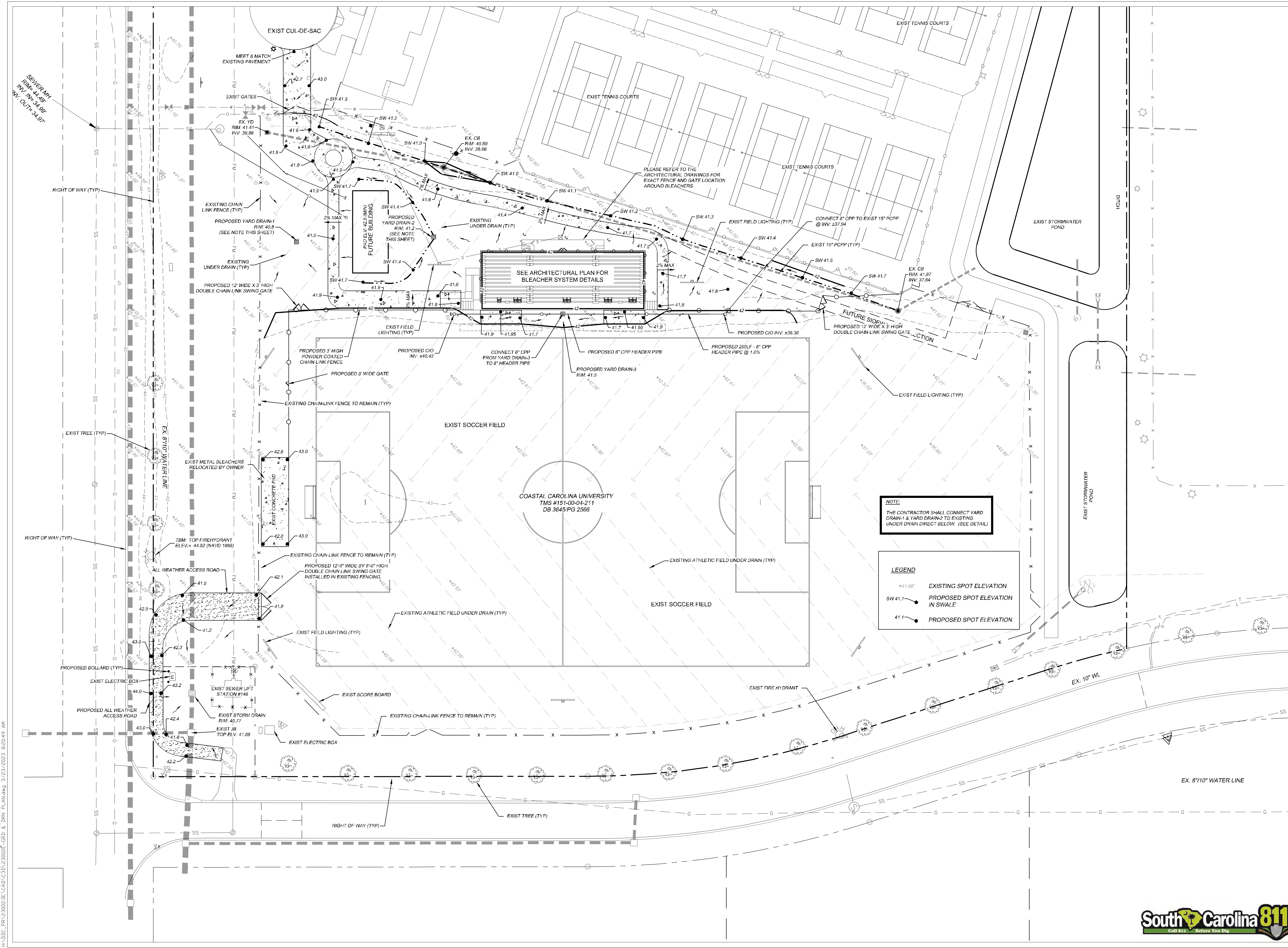
1519 SUMTER STREET, COLUMBIA, SC

**COASTAL CAROLINA
SOCCER COMPLEX
PHASE II**
HORRY COUNTY, SC

**GRADING &
DRAINAGE PLAN**

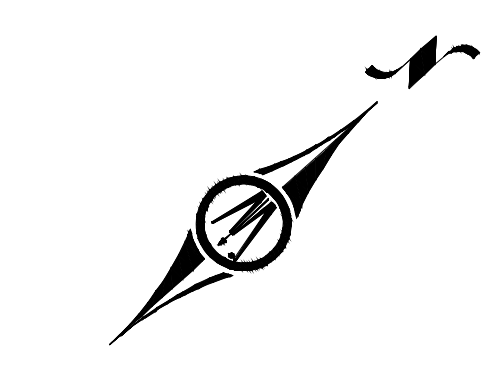
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23002E

REVISIONS:

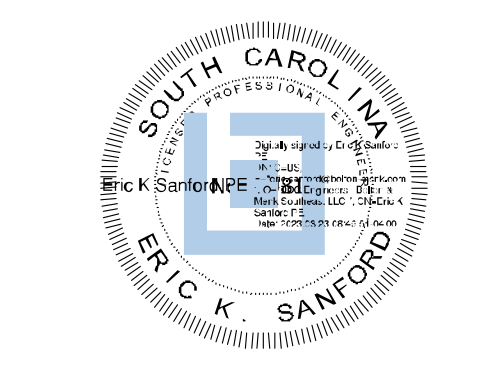
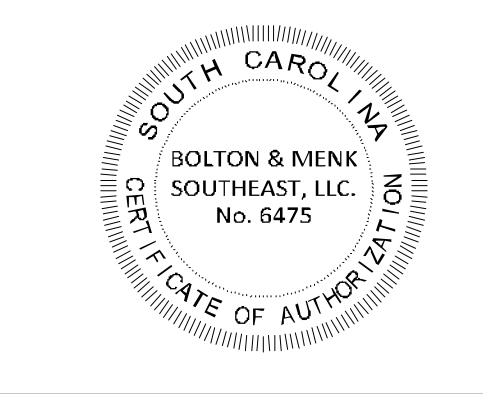


NOTE:
THE CONTRACTOR SHALL CONNECT YARD DRAIN-1 & YARD DRAIN-2 TO EXISTING UNDER DRAIN DIRECT BELOW. (SEE DETAIL)

LEGEND
+41.88' EXISTING SPOT ELEVATION
SW 41.1 PROPOSED SPOT ELEVATION IN SWALE
41.1 PROPOSED SPOT ELEVATION



0 30 60
HORZ SCALE FEET



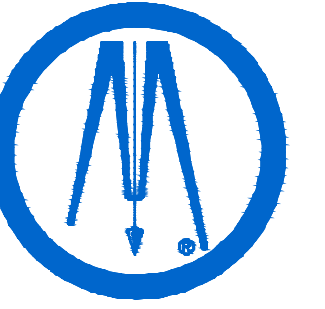
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C3.01

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PROJECT: 23002E-CANV-3D-23002E-GD & DRN PLAN.dwg 3/23/2023 8:20:45 AM



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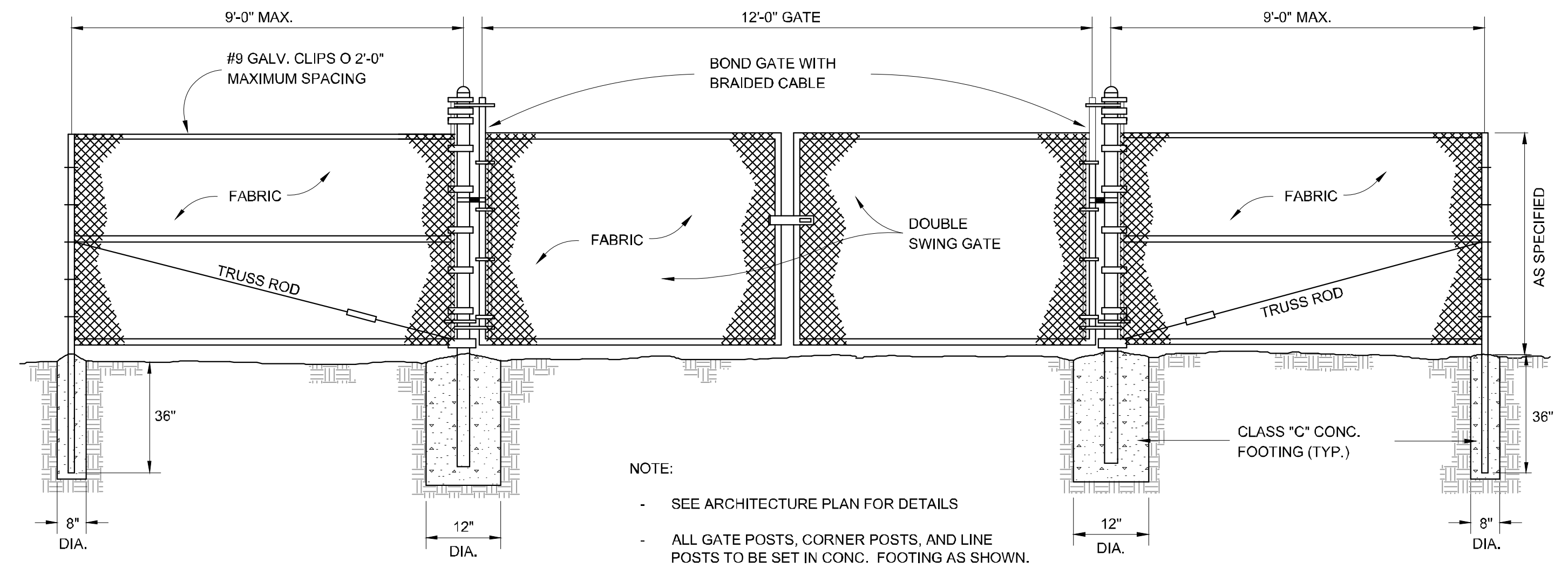
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HORRY COUNTY, SC

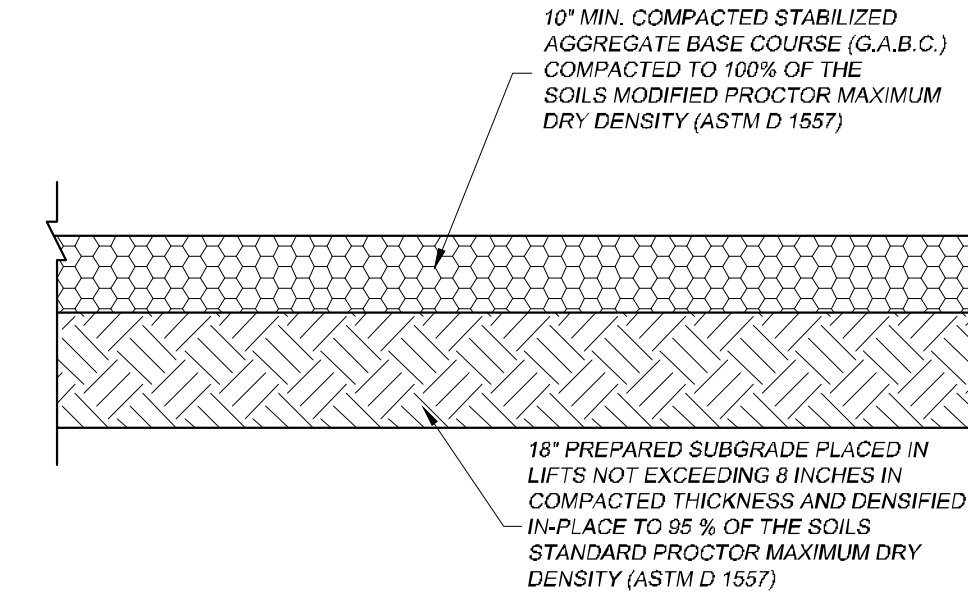
SITE DETAILS

PROJECT NO:
23002E

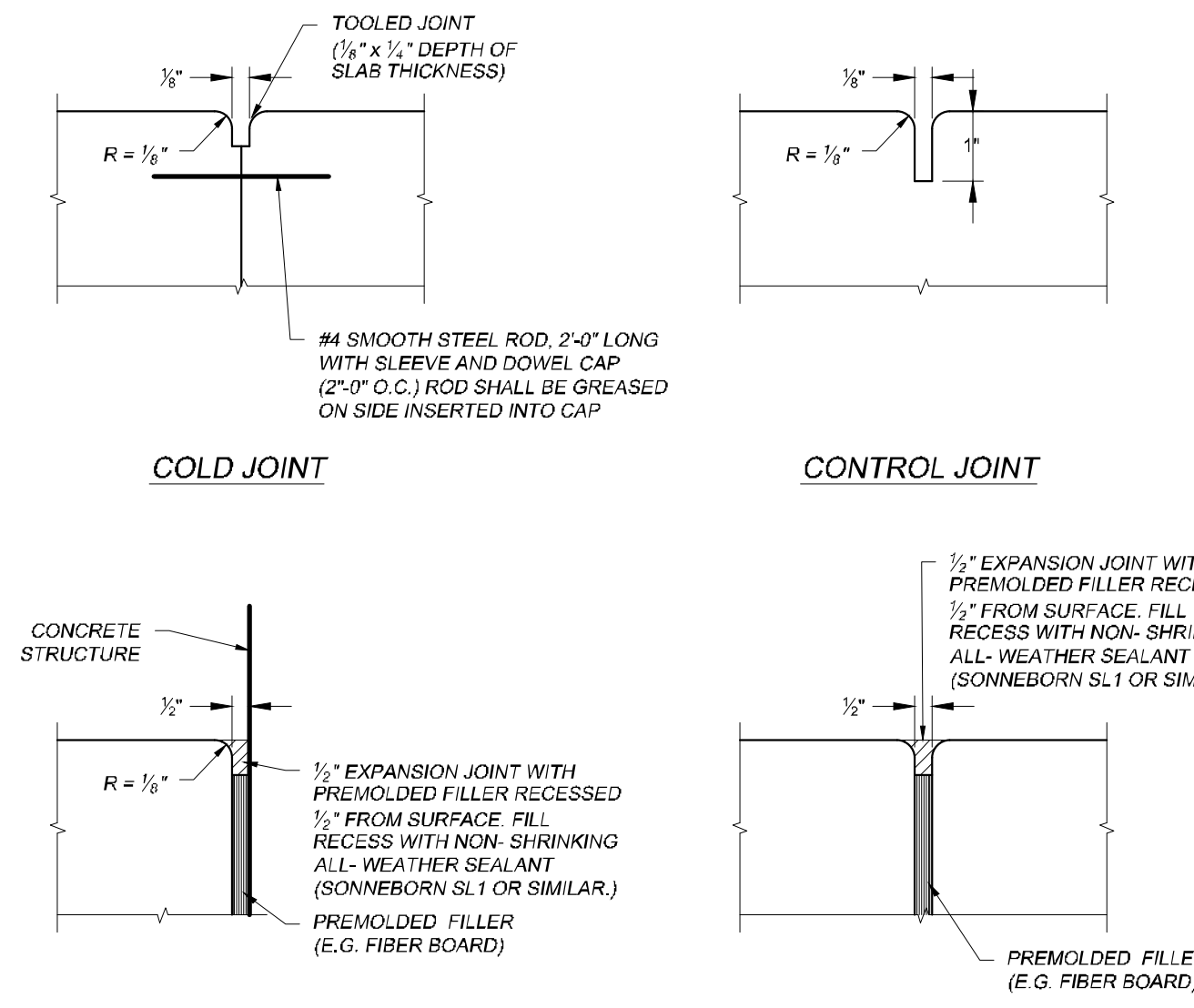
REVISIONS:



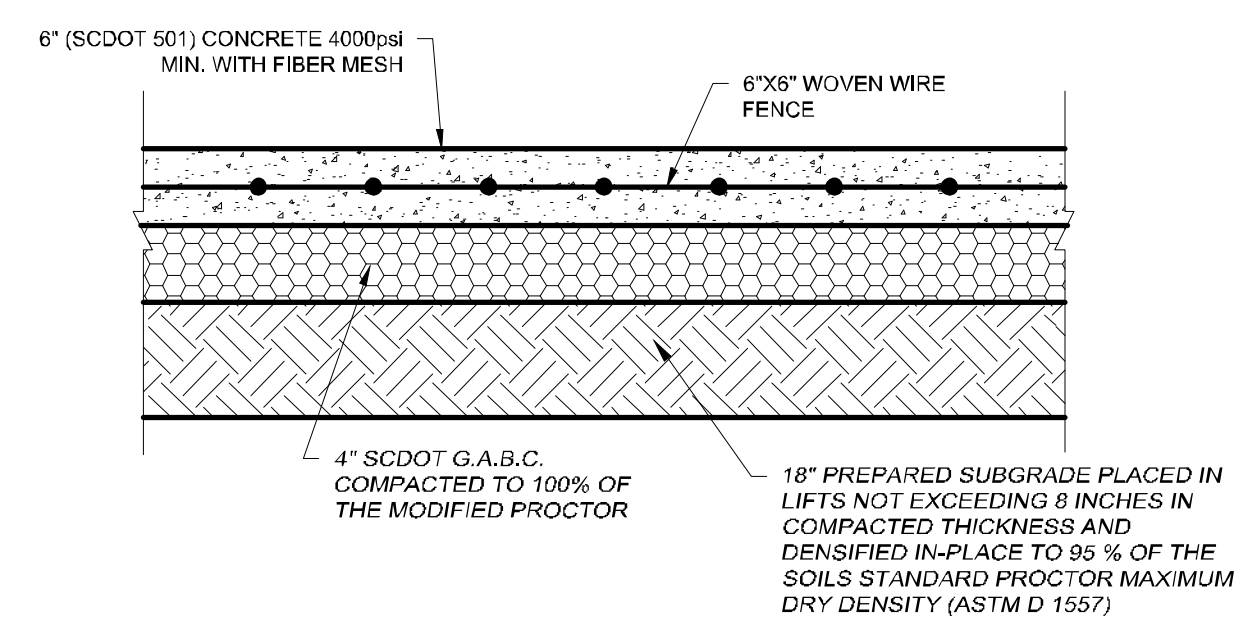
CHAIN LINK FENCE & GATE
SCALE: N.T.S.



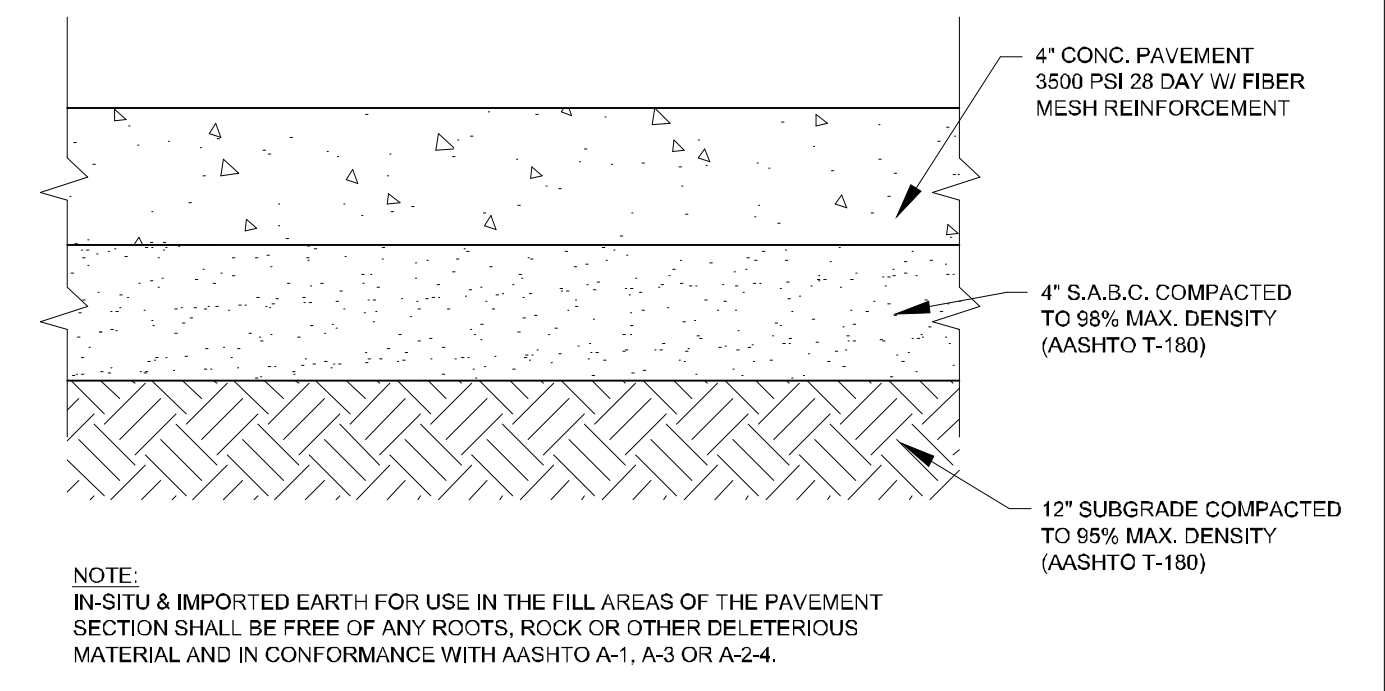
ALL WEATHER ACCESS ROAD SECTION
SCALE: N.T.S.



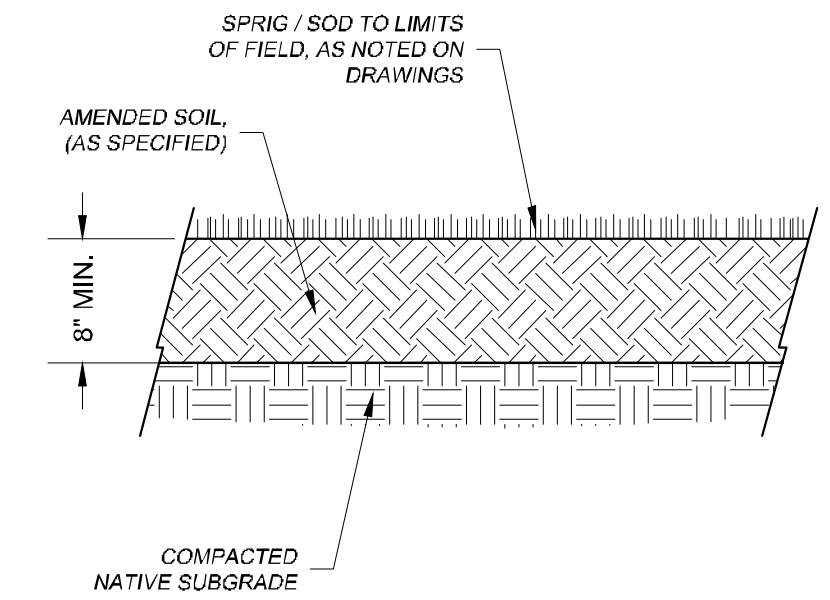
TYPICAL CONCRETE JOINT DETAILS
SCALE: N.T.S.



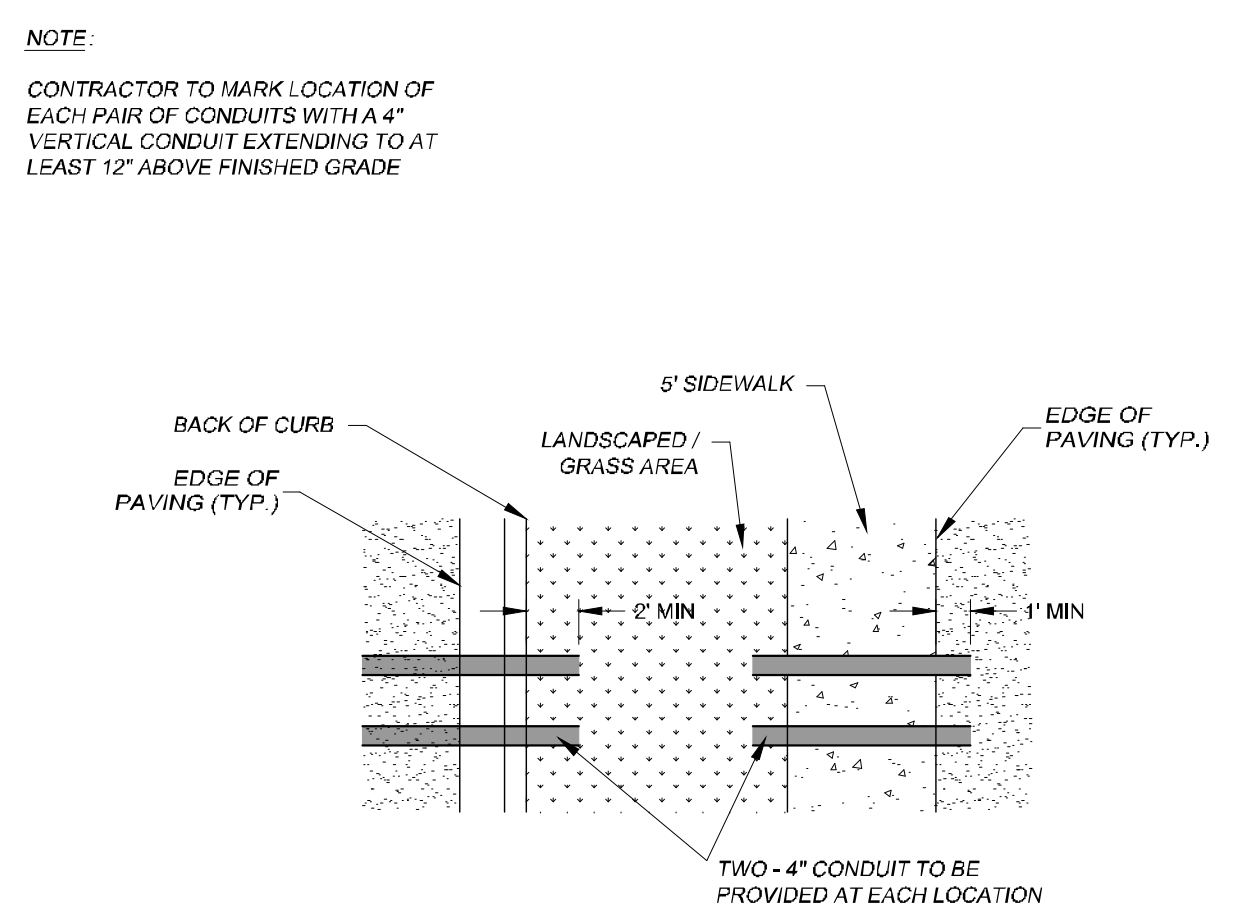
HEAVY DUTY CONCRETE PAVEMENT SECTION
SCALE: N.T.S.



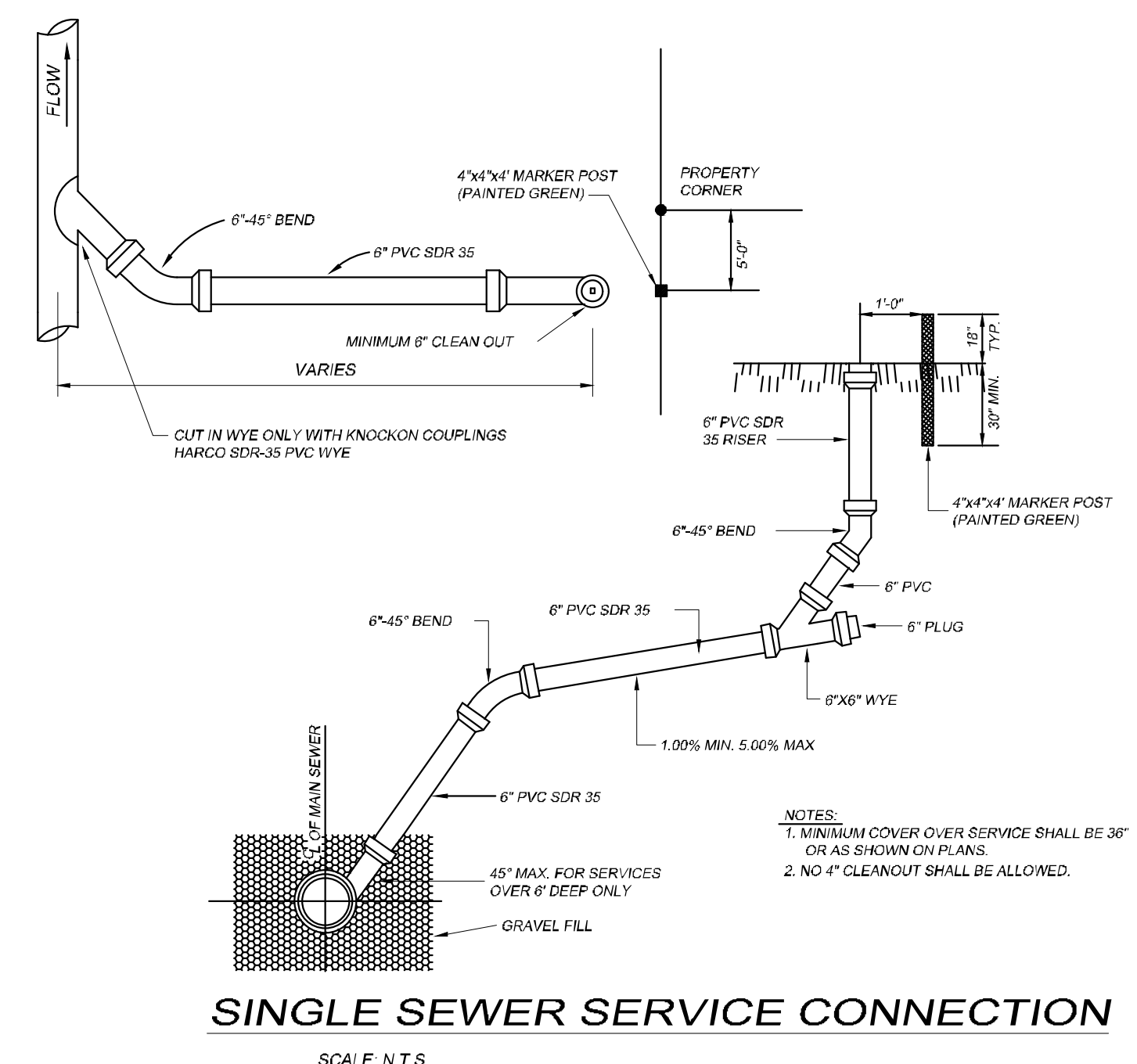
STANDARD CONCRETE PAVEMENT SECTION
SCALE: N.T.S.



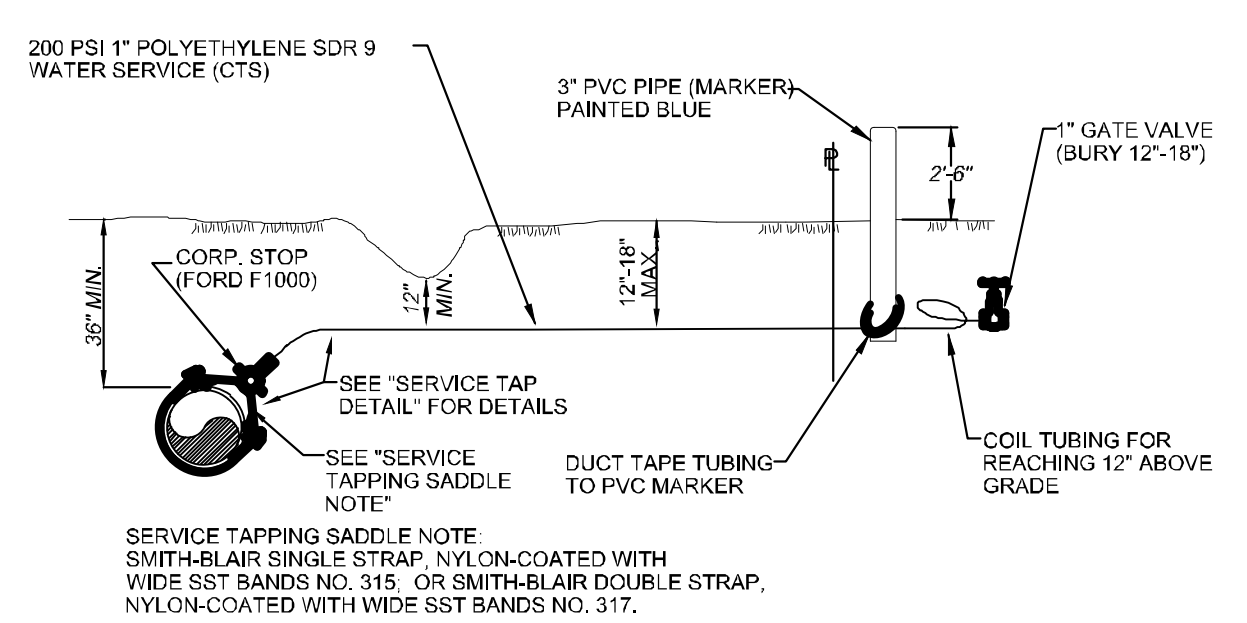
NATURAL TURF FIELD SURFACE DETAIL
SCALE: N.T.S.



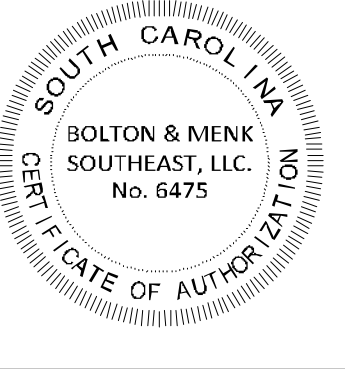
CONDUIT DETAIL
SCALE: N.T.S.



SINGLE SEWER SERVICE CONNECTION
SCALE: N.T.S.



TYPICAL WATER SERVICE DETAIL FOR FUTURE CUSTOMER CONNECTIONS (FOR DEVELOPER PROJECTS ONLY)
SCALE: N.T.S.

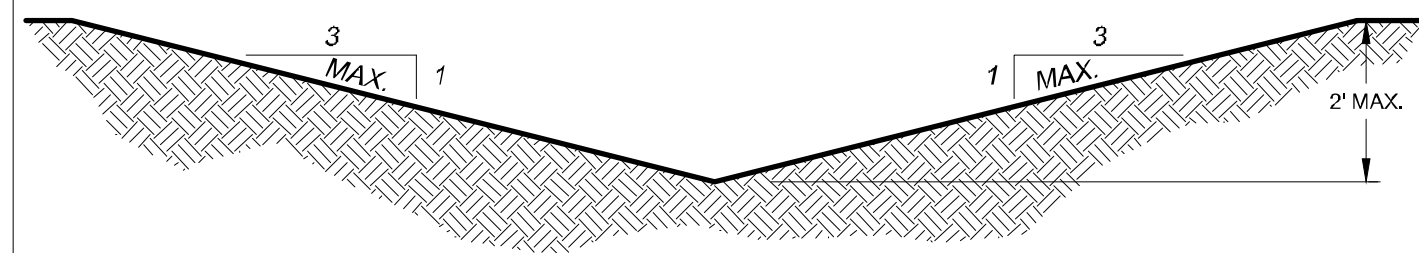


DATE: 02/17/2023
DESIGNED BY:
DRAWN BY:
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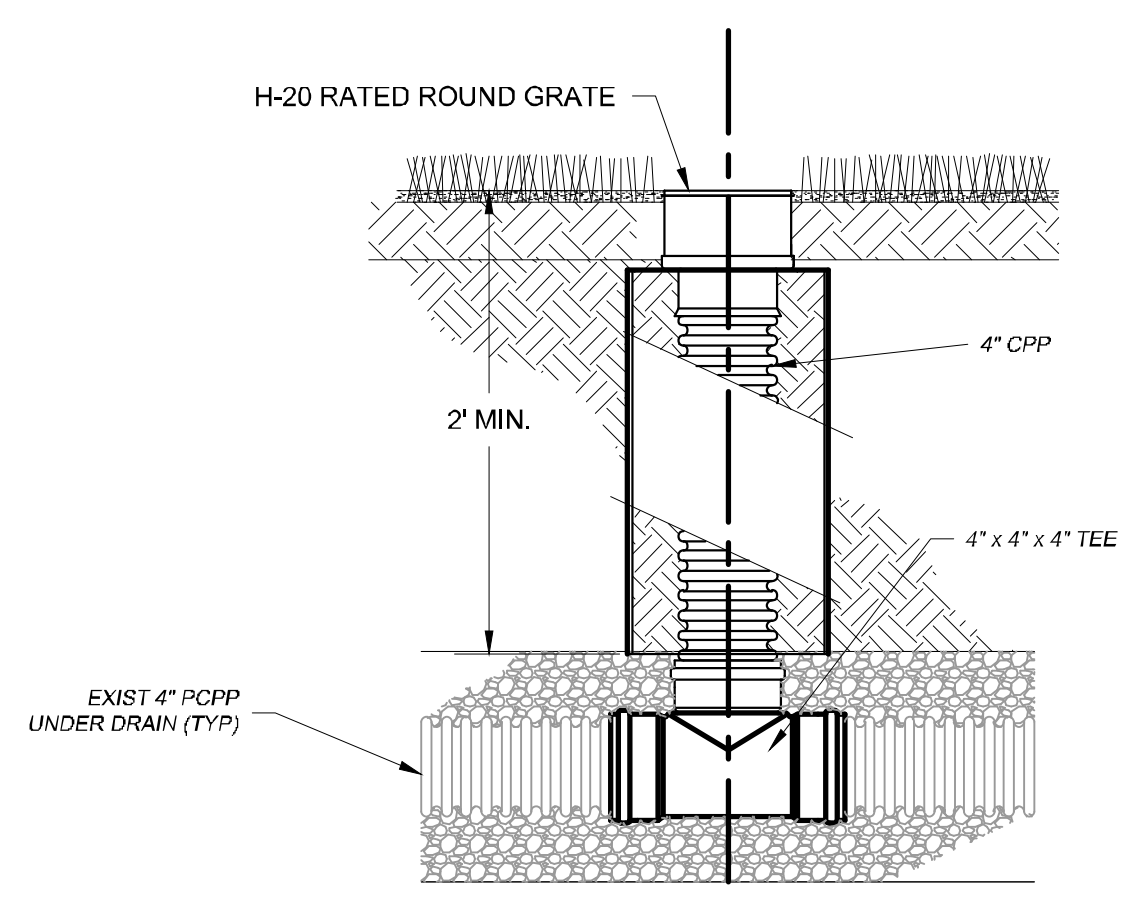
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FILE NO.:

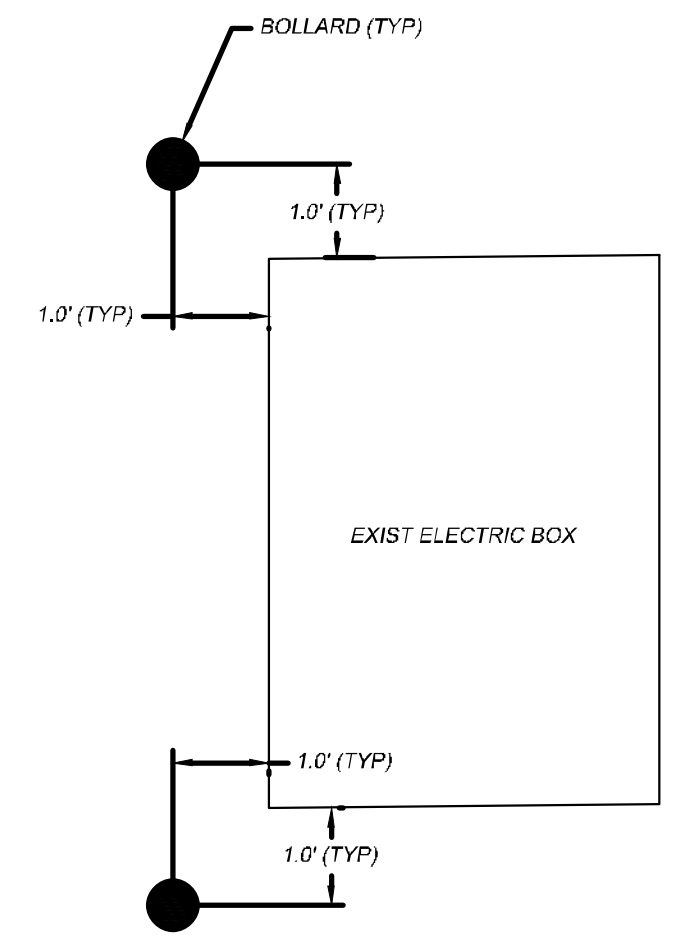
NOTE:
SEED SWALES AS PER SPECIFICATIONS
& ENSURE MIN. 70% GROUND COVER.



TYPICAL LOT SWALE
SCALE: N.T.S.

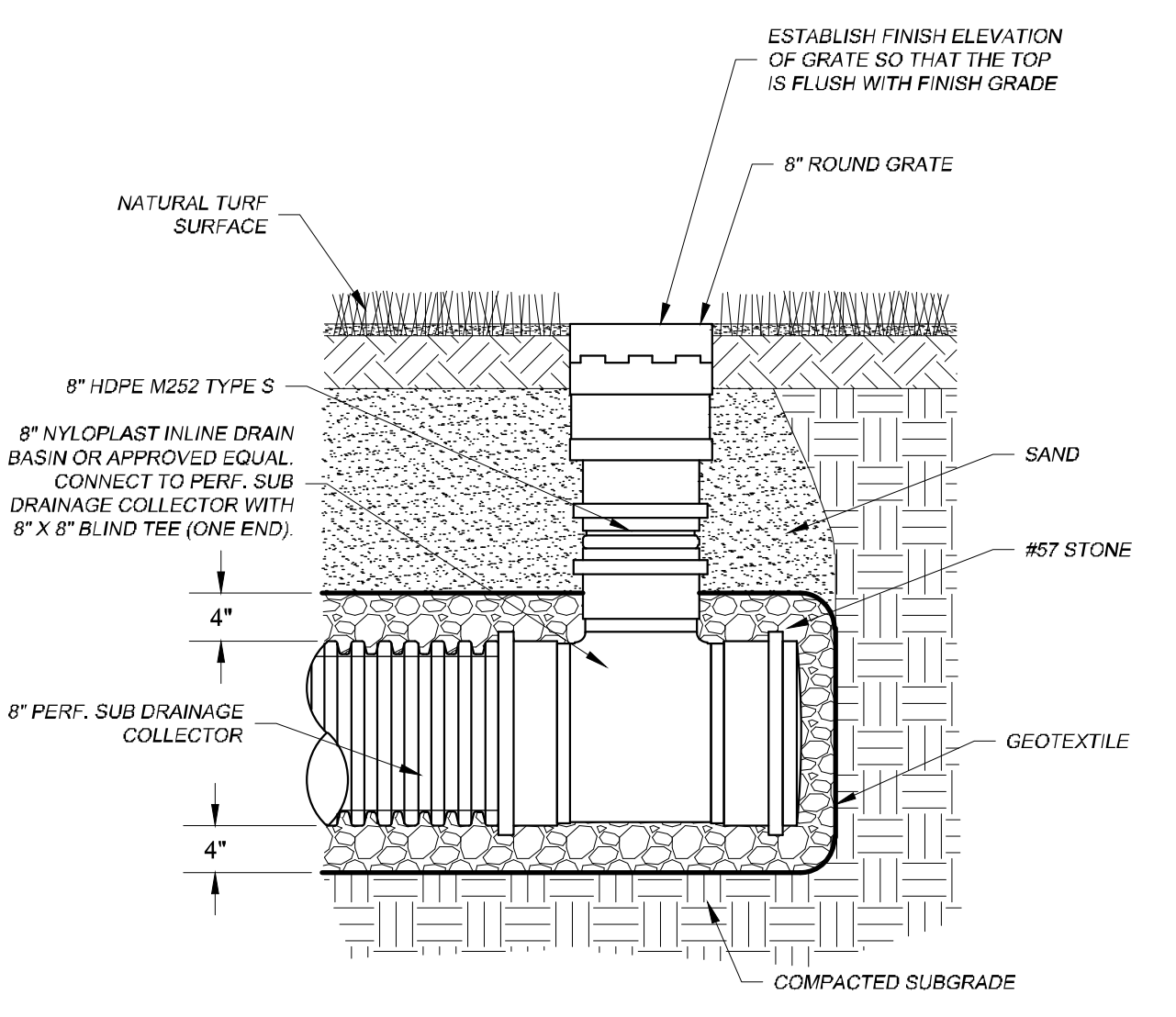
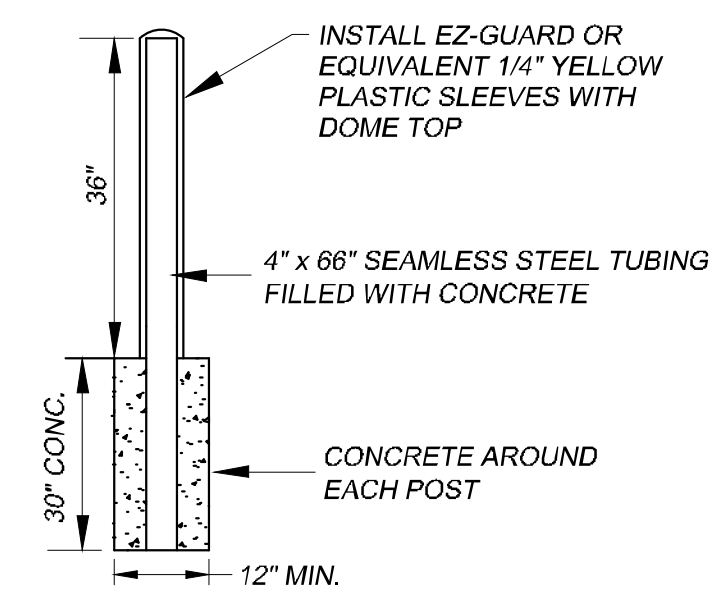


YARD DRAIN 1 & 2 CONNECTION TO EXIST UNDER DRAIN DETAIL
SCALE: N.T.S.

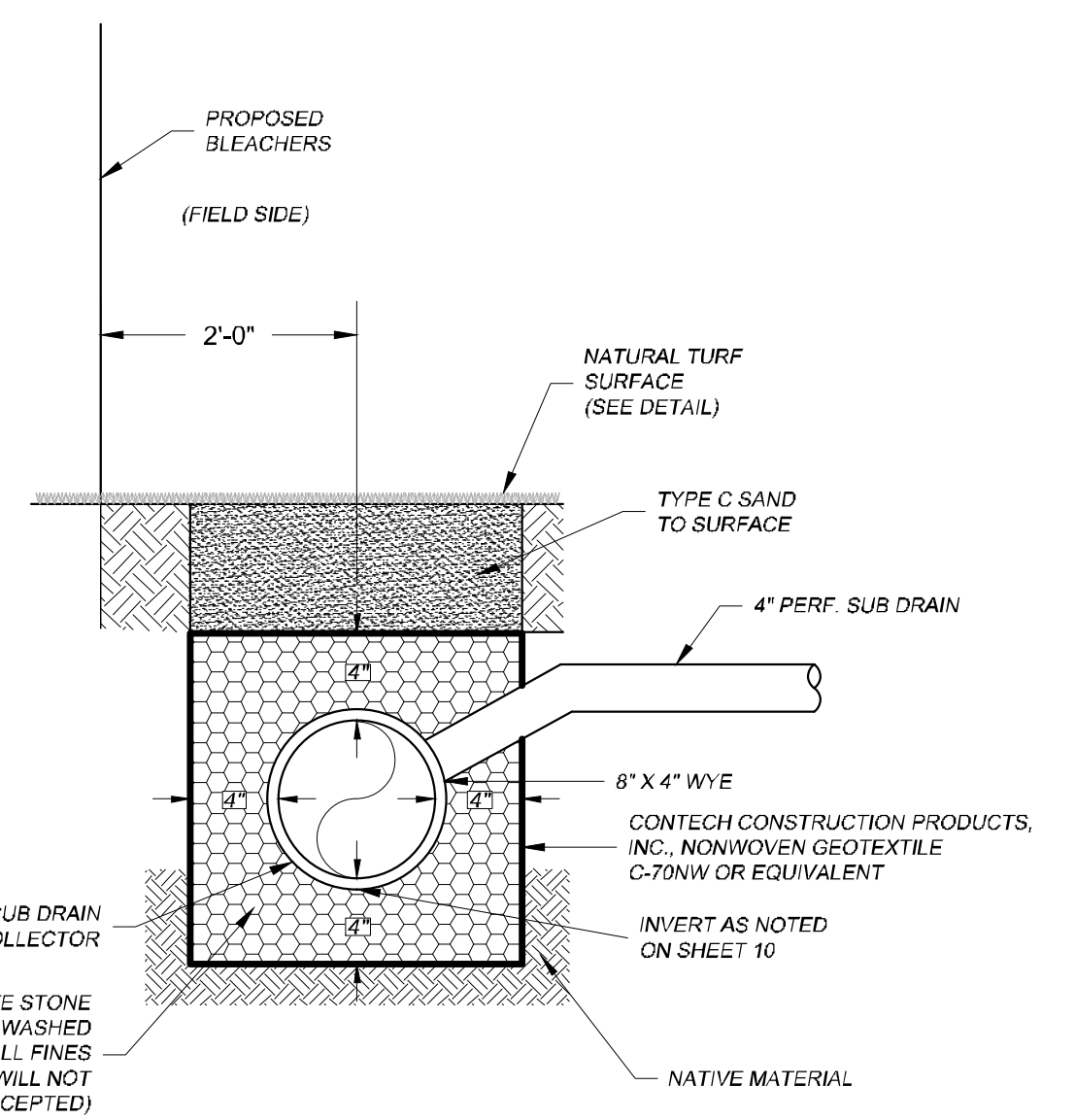


TYPICAL E/C/T BOLLARD
TO BE USED IN SPECIFIC LOCATIONS AS DIRECTED BY THE ENGINEER. WHEN GROUPED AT SAME LOCATION, BOLLARDS ARE TO BE INSTALLED AT SAME ELEVATION.

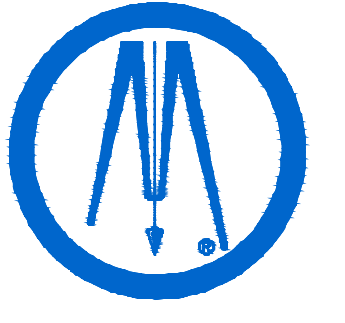
CONCRETE BOLLARD
SCALE: N.T.S.



TYPICAL FIELD CLEAN OUT DETAIL
SCALE: N.T.S.



8" PERFORATED HEADER DRAINAGE COLLECTOR
SCALE: N.T.S.



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MYRTLE BEACH, SOUTH CAROLINA 29577
Phone: (843) 692-3200
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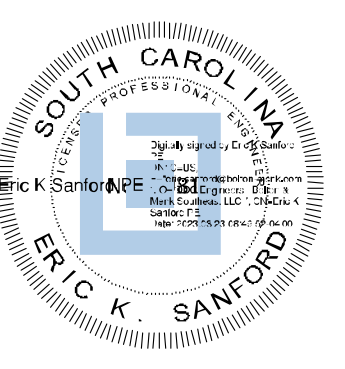
1519 SUMTER STREET, COLUMBIA, SC

COASTAL CAROLINA SOCCER COMPLEX PHASE II
HORRY COUNTY, SC

DRAINAGE DETAILS

PROJECT NO:
23002E

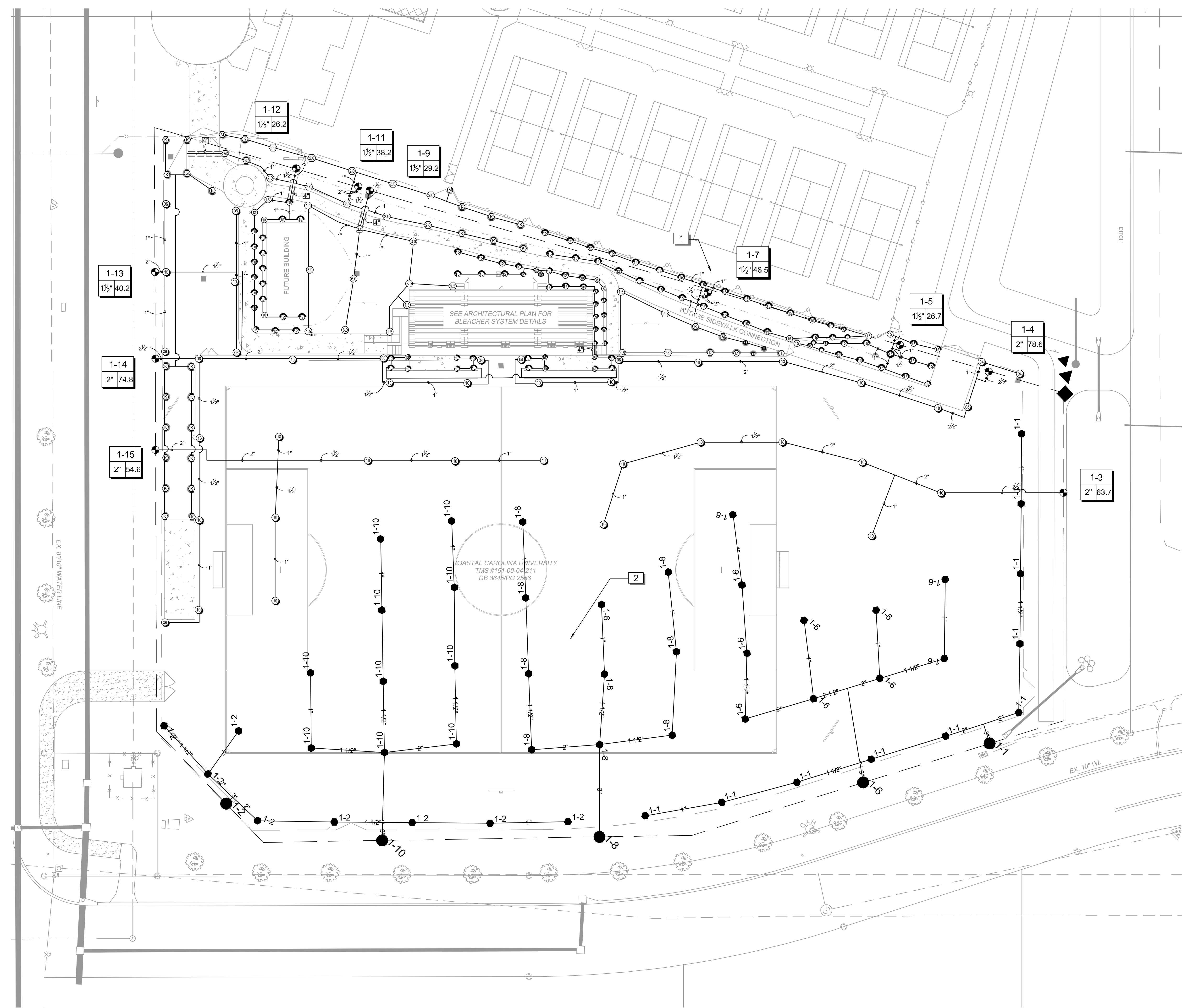
REVISIONS:



DATE: 02/17/2023
DESIGNED BY:
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C3.02

FILE NO.:



PROJECT NAME

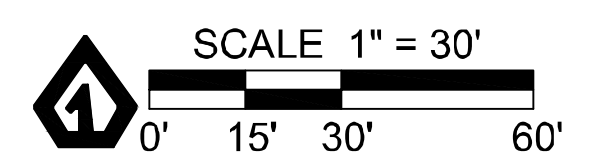
**CCU SOCCER COMPLEX PH2
BLEACHER ADD**
CONWAY, SC

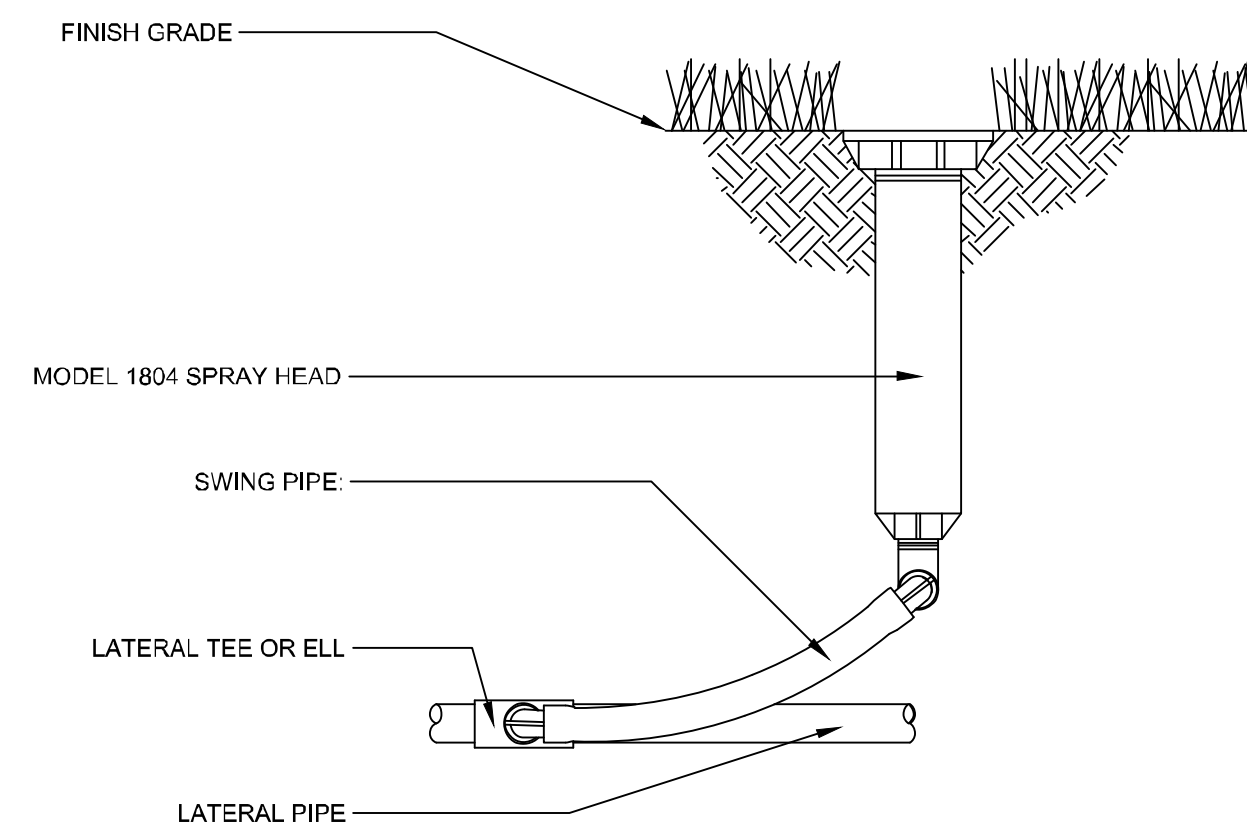
Project Title
IRRIGATION PLAN

Project Number: 314911
 Design Date: 02/17/2023
 Drawn By: CLC
 Checked By:
 Drawing Scale: 1" = 30'

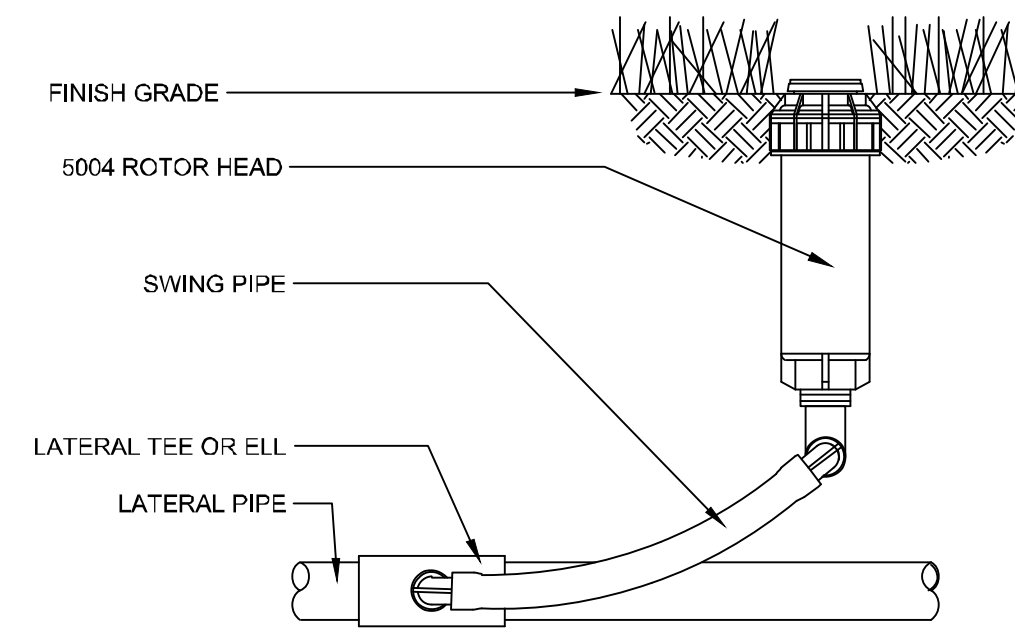
Revisions	Date
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Sheet Number:
IR-1
Sheet: 1 OF 2

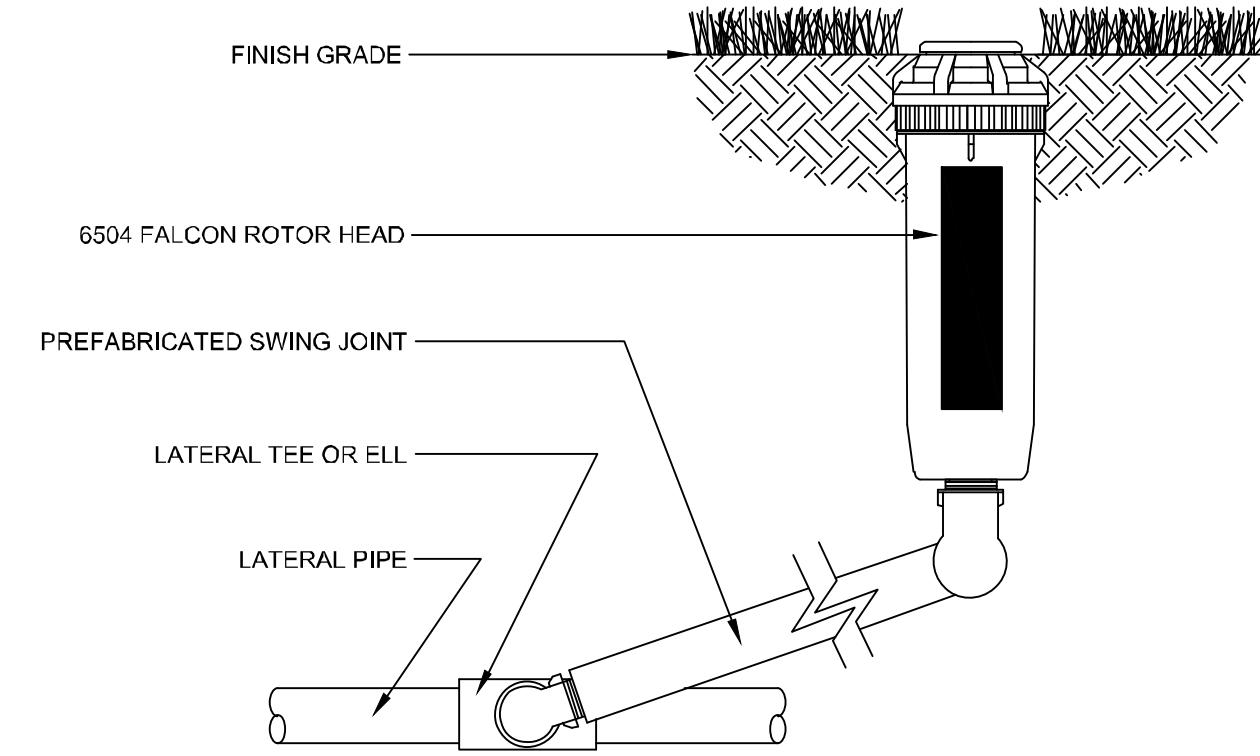




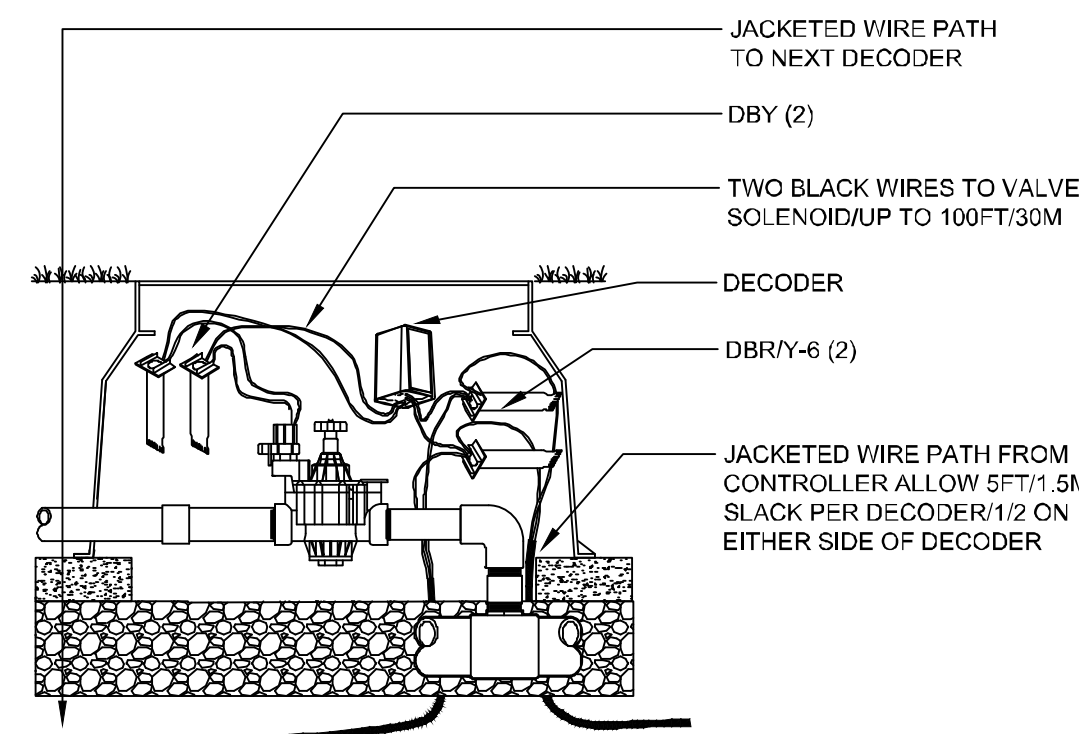
1 1804 SPRAY HEAD WITH SWING PIPE
S1-SP-RAI-01



2 5004 ROTOR HEAD WITH SWING PIPE
NTS



3 6504 FALCON ROTOR HEAD
NTS



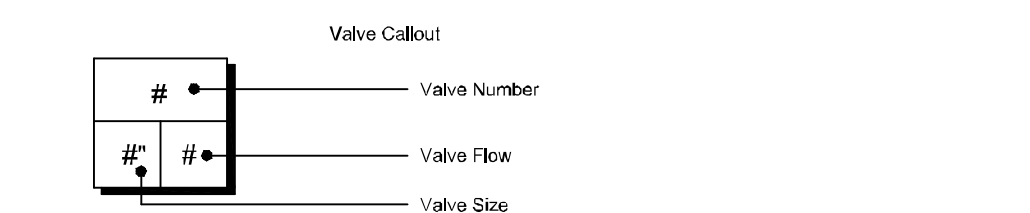
4 RAIN BIRD PGA VALVE W/ DECODER
S1-VA-RAI-06

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
	RAIN BIRD 1804-SAM-PRS SPRAY HEAD 15 STRIP SERIES OR APPROVED EQUAL
	RAIN BIRD 1804-SAM-PRS SPRAY HEAD 8 SERIES MPR OR APPROVED EQUAL
	RAIN BIRD 1804-SAM-PRS SPRAY HEAD 10 SERIES MPR OR APPROVED EQUAL
	RAIN BIRD 1804-SAM-PRS SPRAY HEAD 12 SERIES MPR OR APPROVED EQUAL
	RAIN BIRD 1804-SAM-PRS SPRAY HEAD 15 SERIES MPR OR APPROVED EQUAL
	RAIN BIRD 1804-SAM-PRS SPRAY HEAD ADJ OR APPROVED EQUAL
	HUNTER MP CORNER RAIN BIRD 1804-SAM-P45 ROTATOR OR APPROVED EQUAL
	HUNTER MP1000 RAIN BIRD 1804-SAM-P45 ROTATOR OR APPROVED EQUAL
	HUNTER MP2000 RAIN BIRD 1804-SAM-P45 ROTATOR OR APPROVED EQUAL
	HUNTER MP800SR RAIN BIRD 1804-SAM-P45 ROTATOR OR APPROVED EQUAL
	HUNTER MP815 RAIN BIRD 1804-SAM-P45 ROTATOR OR APPROVED EQUAL

SYMBOL	MANUFACTURER/MODEL
	RAIN BIRD 5004-PC ROTOR 1.5 OR APPROVED EQUAL
	RAIN BIRD 5004-PC ROTOR 3.0 OR APPROVED EQUAL
	RAIN BIRD 5004-PC ROTOR 6.0 OR APPROVED EQUAL
	RAIN BIRD 5004-PC-LA LOW ANLGE ROTOR 1.5 OR APPROVED EQUAL
	RAIN BIRD 5004-PC-LA LOW ANLGE ROTOR 2.0 OR APPROVED EQUAL
	RAIN BIRD 6504-PC, FC ROTOR 04 OR APPROVED EQUAL
	RAIN BIRD 6504-PC, FC ROTOR 06 OR APPROVED EQUAL
	RAIN BIRD 6504-PC, FC ROTOR 08 OR APPROVED EQUAL
	RAIN BIRD 6504-PC, FC ROTOR 10 OR APPROVED EQUAL

SYMBOL	MANUFACTURER/MODEL
	RAIN BIRD PGA ELECTRIC VALVE W/ FD101 DECODER OR APPROVED EQUAL

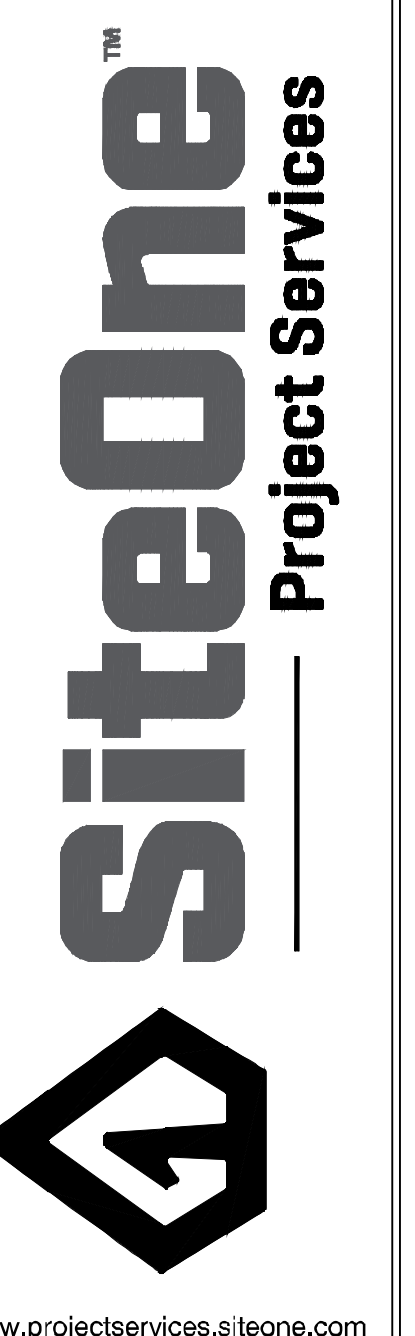


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
1	IRRIGATION VALVES TO BE INSTALLED ON EXISTING 3" MAINLINE AND CONNECTED TO EXISTING 2 WIRE PATH (TYP).
2	EXISTING IRRIGATION TO REMAIN.

IRRIGATION NOTES

- IRRIGATION SYSTEM DESIGN BASED ON XX GPM AT 70 PSI.
- IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION (POC) ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE (GPM) AND POUNDS PER SQUARE INCH (PSI) FURNISHED BY OTHERS.
- IRRIGATION CONTRACTOR IS TO VERIFY POINT OF CONNECTION IN THE FIELD. INSTALLER IS TO CONFIRM THE MINIMUM DISCHARGE REQUIREMENTS OF THE POINT OF CONNECTION AS INDICATED ON THE LEGEND PRIOR TO INSTALLATION.
- THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5- FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
- ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL AND PLUMBING CODES.
- IRRIGATION CONTRACTOR WILL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED. ALL WIRING TO BE PER LOCAL CODE. BACKFLOW PREVENTION PER LOCAL CODE.
- LOCATION OF IRRIGATION COMPONENTS SHOWN ON DRAWINGS IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY SLIGHTLY AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE.
- ALL SPRINKLER HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISH GRADES, EXCEPT AS OTHERWISE INDICATED.
- INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERAL WITH A MINIMUM 12" OF COVER BASED ON FINISH GRADES.
- PIPE LOCATIONS ARE DIAGRAMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
- THE IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED.
- ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTORS AND BE IN A VALVE OR SPLICE BOX.
- ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 2-WIRE 14AWG, UL APPROVED DIRECT BURY.
- SURGE PROTECTION TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
- THE DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET (AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER AND MODEL TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC.); SITEONE LANDSCAPE SUPPLY BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR INSTALLATION THAT ARISE DUE TO INACCURACIES IN THE ABOVE REFERENCED INFORMATION SUPPLIED TO SITEONE LANDSCAPE SUPPLY IN RELATION TO THIS PROJECT, UNLESS OTHERWISE NOTED.



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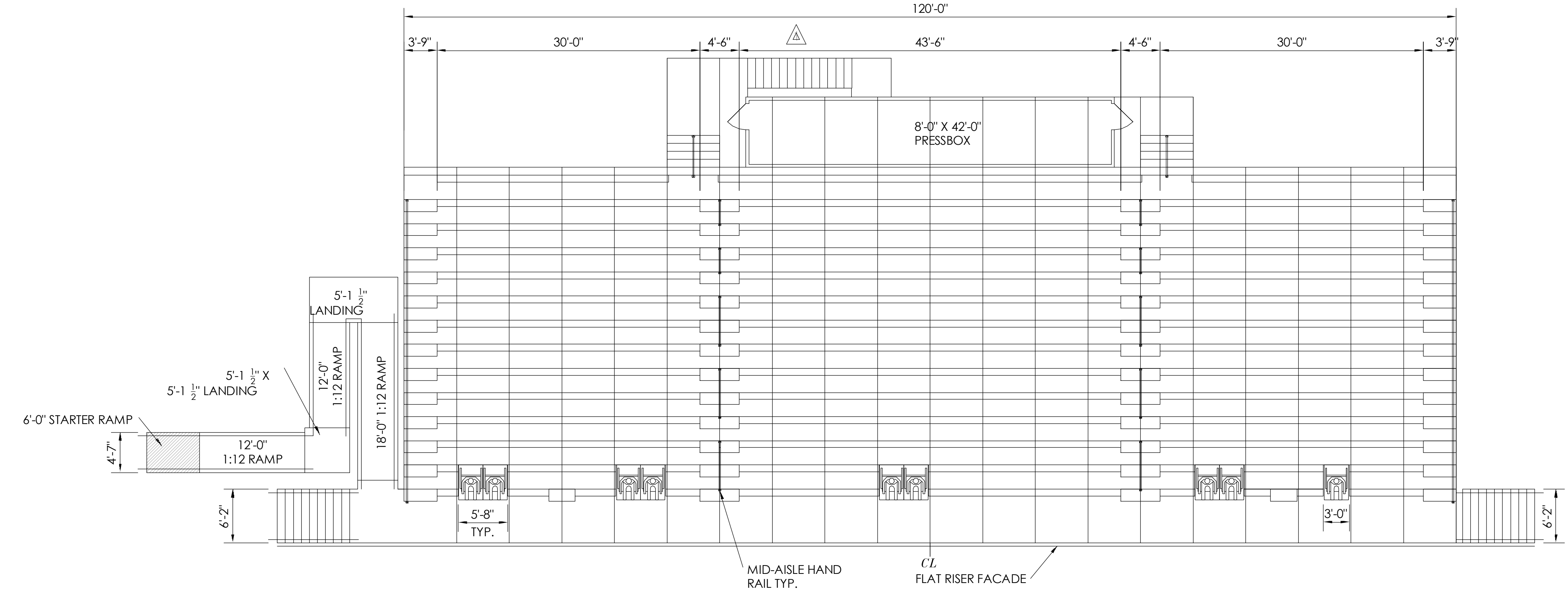
PROJECT NAME
CCU SOCCER COMPLEX PH2
BLEACHER ADD
CONWAY, SC

Project Title
LEGEND AND DETAILS

Project Number: 314911
Design Date: 02/17/2023
Drawn By: CLC
Checked By:
Drawing Scale:

Revisions	Date
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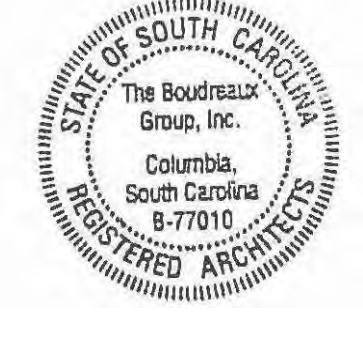
Sheet Number:
IR-2
Sheet: 2 OF 2



1 BLEACHER PLAN LAYOUT
 A1.1 1/8" = 1'-0"

916 TOTAL NET 18" SEATS
 8 TOTAL NET 33" WHEELCHAIR SPACES
 1 TOTAL NET 36" WHEELCHAIR SPACE
 925 TOTAL SEATING CAPACITY

DRAWING NOTE:
 BLEACHER AND PRESS BOX DRAWINGS ARE FOR REFERENCE ONLY TO SHOW DESIGN INTENT. SELECTED MANUFACTURER WILL PROVIDE THEIR OWN SHOP DRAWINGS REFLECTING THEIR STANDARD DETAILS.



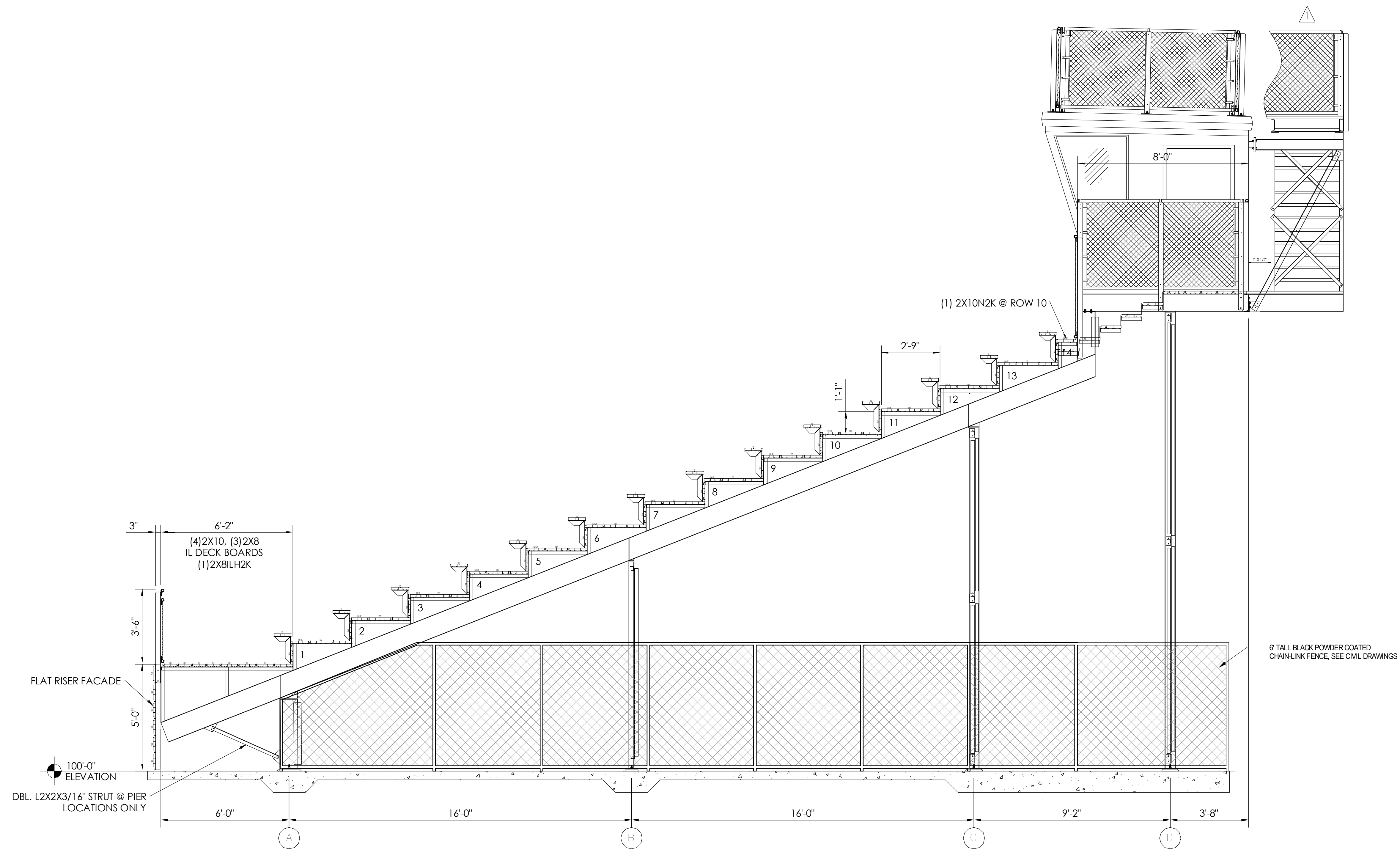
COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
 Century Circle, Conway SC
 STATE PROJECT NO: H17-9808-MLB

No.	Description	Date	Project Number
			C-821-15
			Drawn By: CAB
			Checked By: CAB
			Date: 02/01/2023

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BLEACHER PLAN

Drawing No.
A1.1



SECTION THROUGH BLEACHER AND PRESS BOX
 1
 A1.3 3/8" = 1'-0"

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COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
 Century Circle, Conway SC

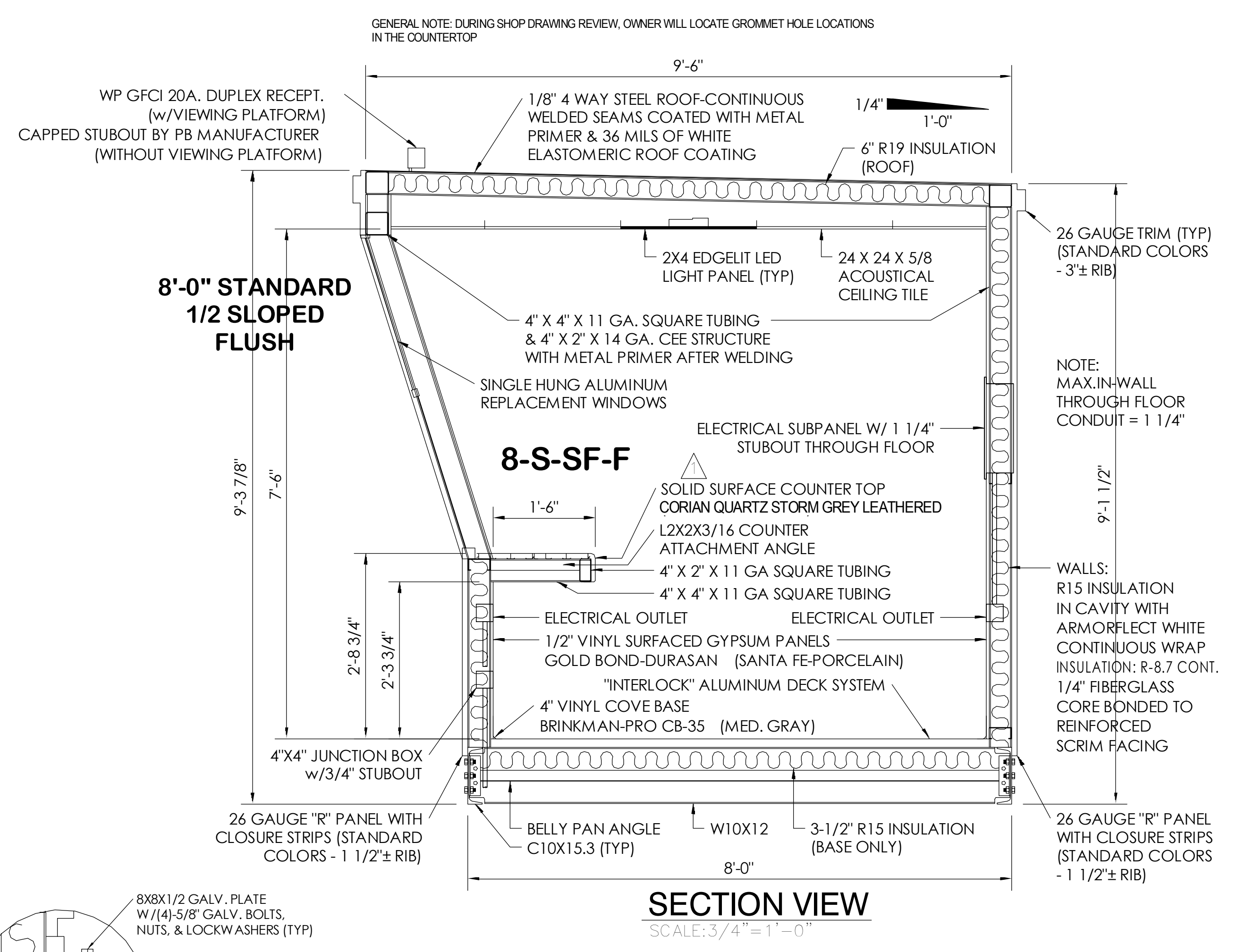
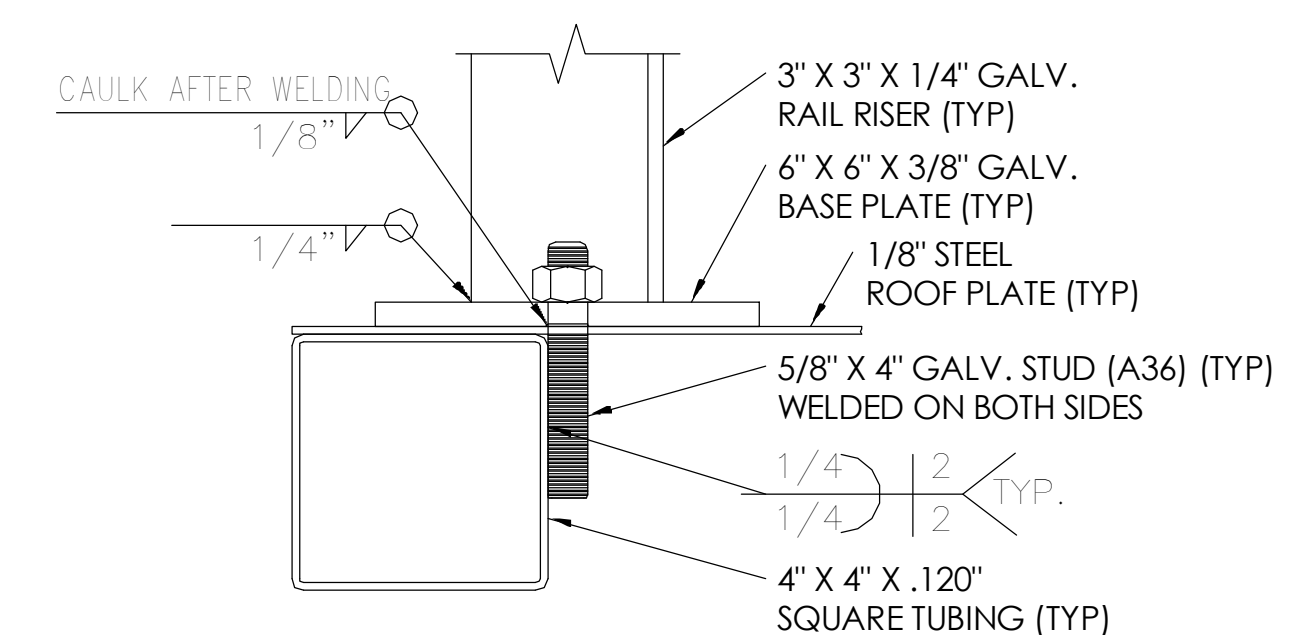
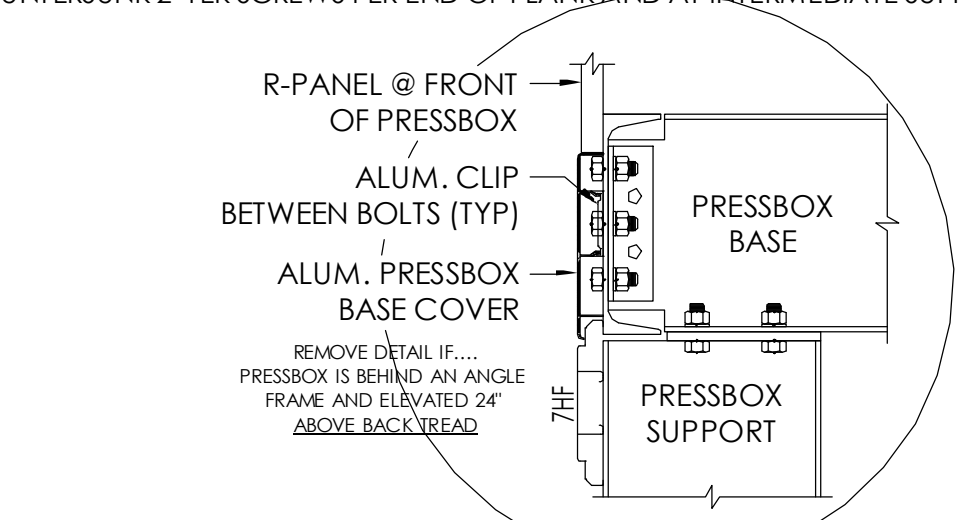
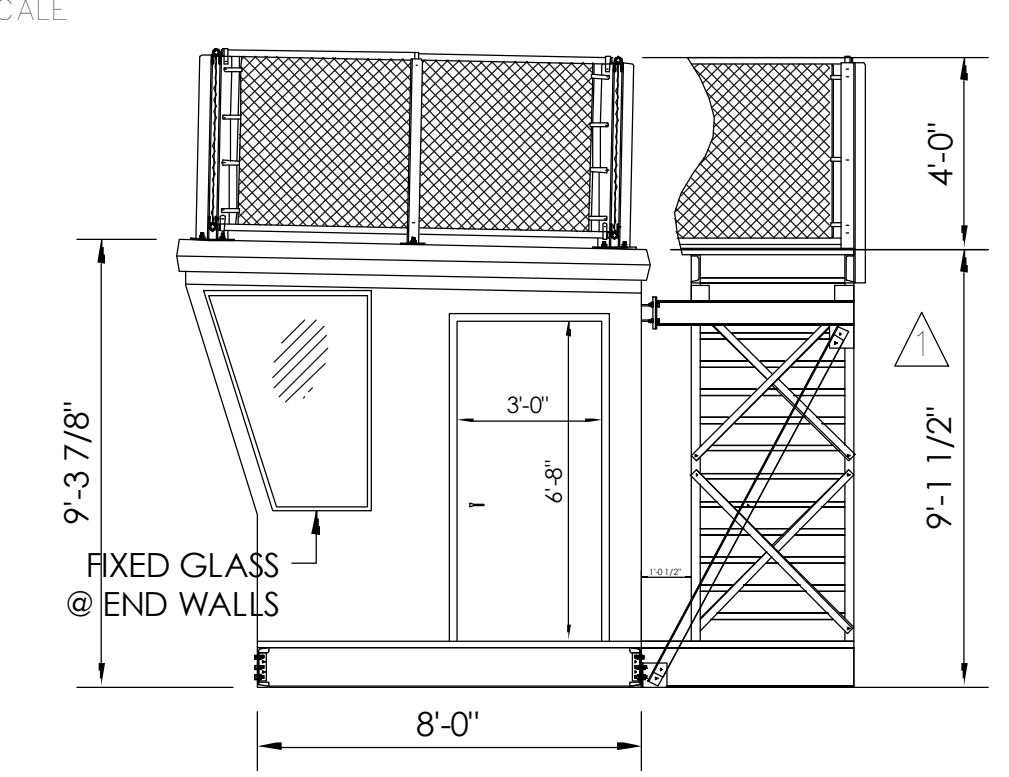
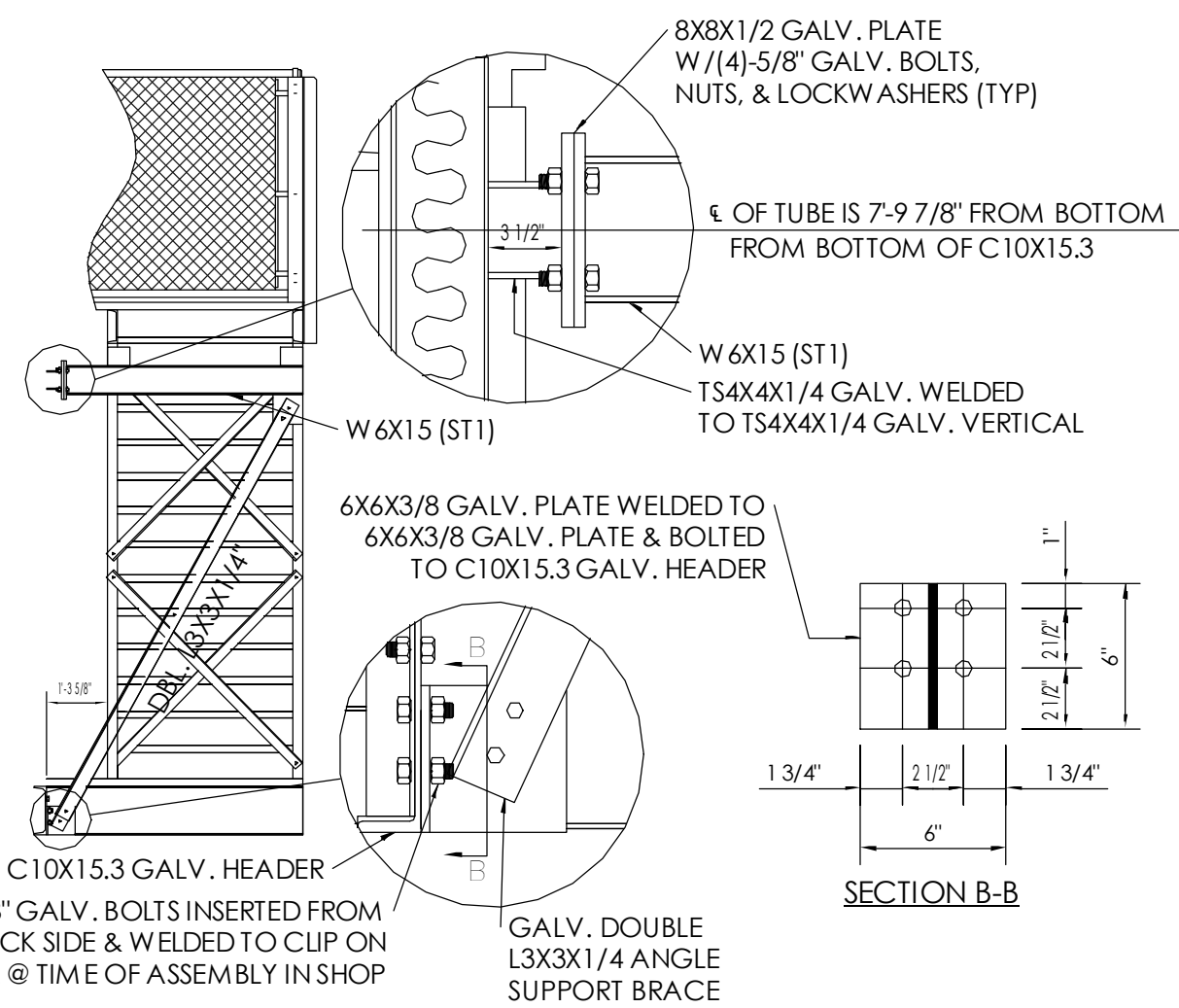
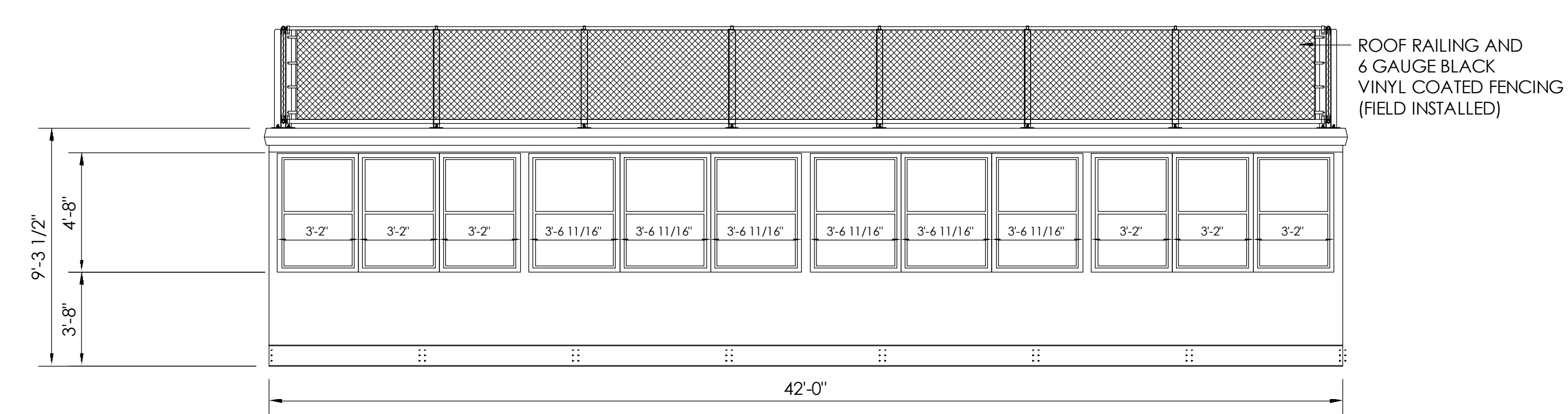
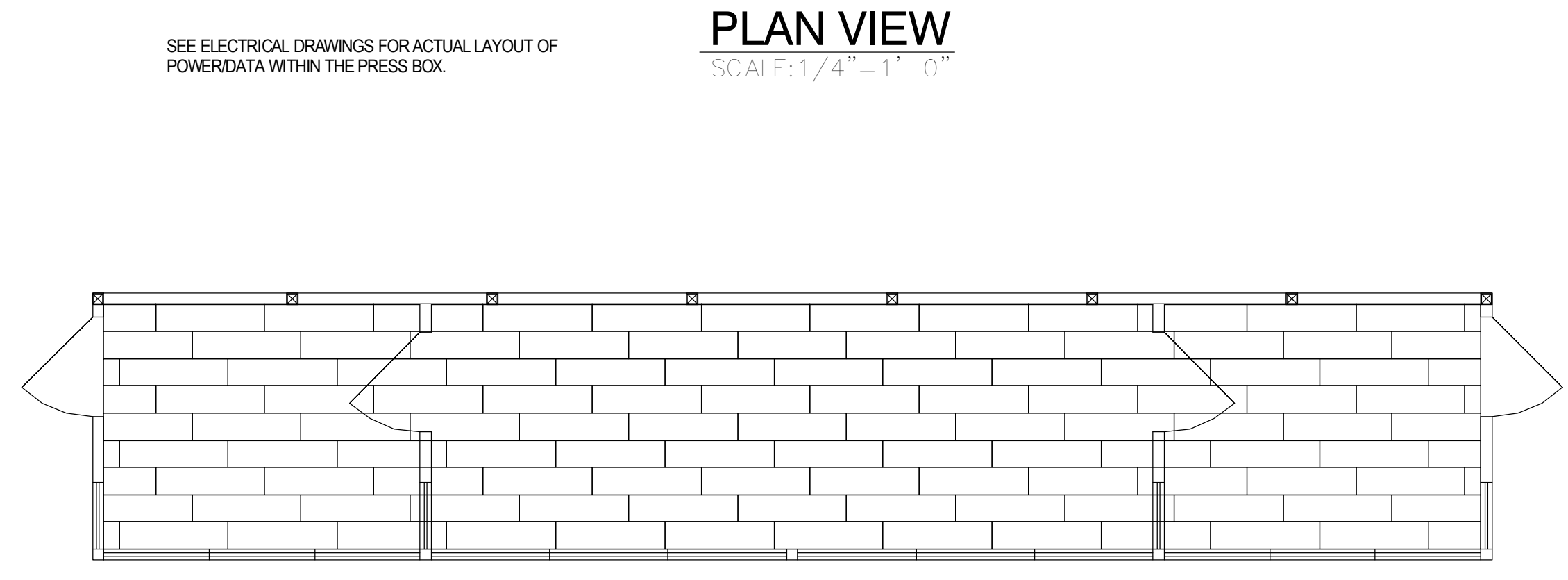
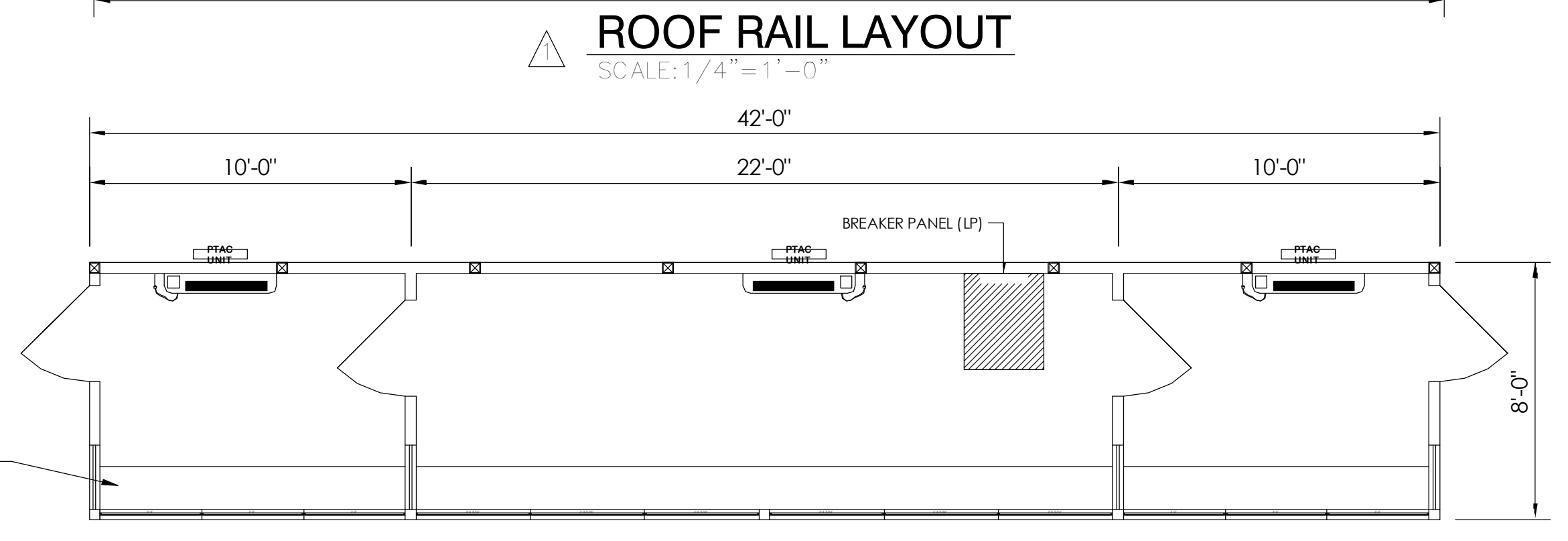
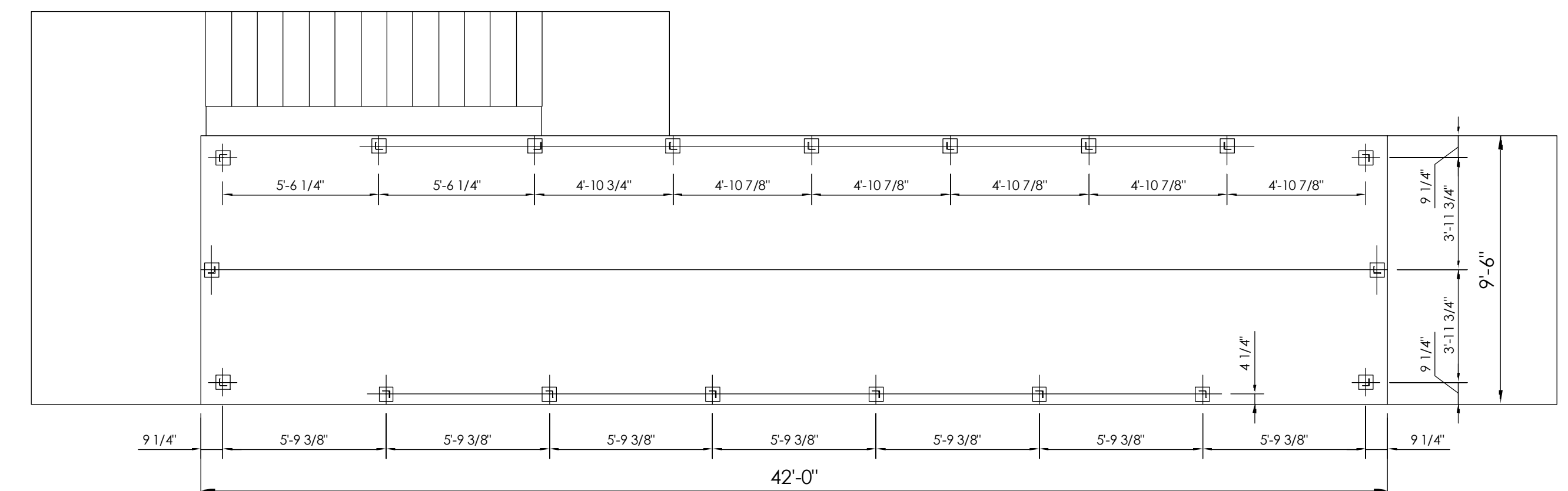
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			C-821-15
			Drawn By: CAB
			Checked By: CAB
			02/01/2023

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BLEACHER SECTION WITH PRESS BOX

Drawing No.
A1.3

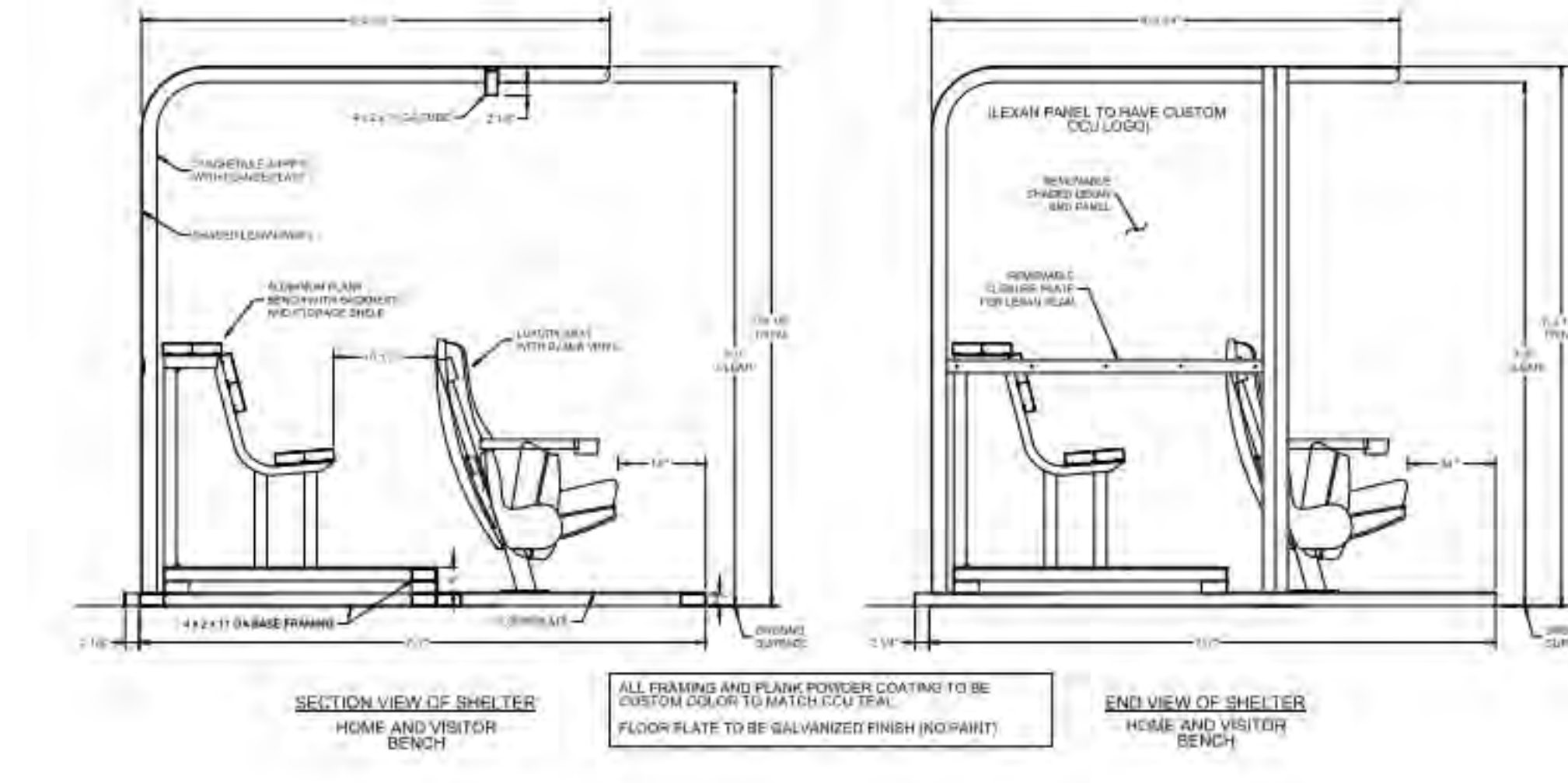
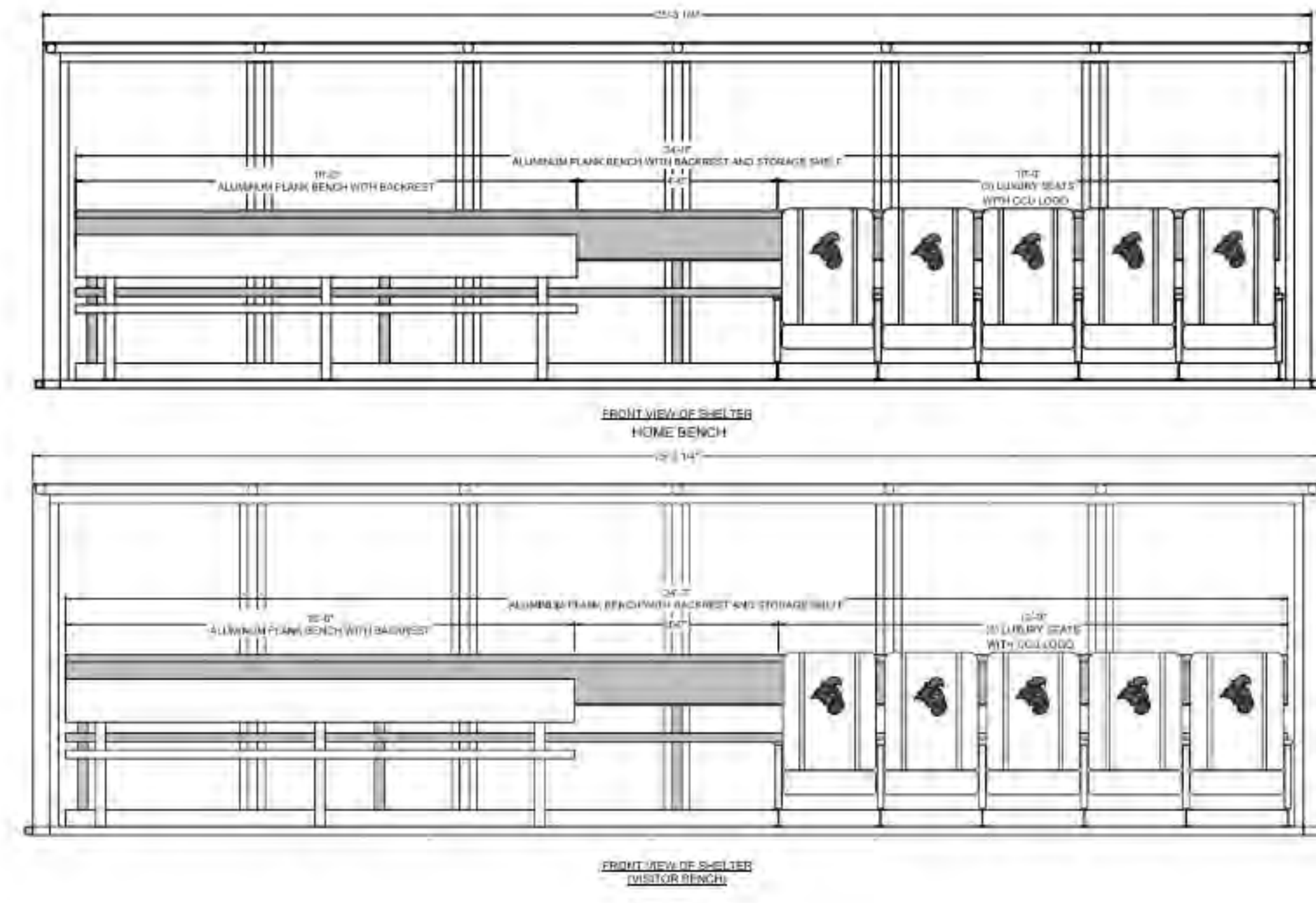
Project Number	C-821-15
Date	
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NOTE:
ROOF PLATE STEEL IS WELDED ON BOTH SIDES OF RAFTERS WITH 1-1/2" LONG 1/8" FILLET WELDS ON 12" CENTERS.
WALL PANELS ARE ATTACHED WITH #12 TEK SCREWS - 6" O.C. AT THE TOP AND BOTTOM OF THE PANELS AND 12" O.C. AT ANY INTERMEDIATE BRACE. LAP SCREWS ARE PLACED AT EACH END OF THE PANELS, AT THE INTERMEDIATE SUPPORTS, AND AT THE MID POINT BETWEEN SUPPORTS. (TEK # 14)
FLOOR PLANK ATTACHED WITH (2)-MILL ALUM. HOLD DOWN CLIP w/5/16"x1" CARRIAGE SCREW AND 5/16" FLANGE NUT AT EACH W10X12. FRONT (END) FLOOR PLANK ATTACHED TO W10X12 WITH (2)-COUNTERSINK 2" TEK SCREWS PER END OF PLANK AND AT INTERMEDIATE SUPPORTS.

1 PRESS BOX PLAN AND DETAILS
A1.4 1/4" = 1'-0"

DRAWING NOTE:
BLEACHER AND PRESS BOX DRAWINGS ARE FOR REFERENCE ONLY TO SHOW DESIGN INTENT. SELECTED MANUFACTURER WILL PROVIDE THEIR OWN SHOP DRAWINGS REFLECTING THEIR STANDARD DETAILS.



COVERED TEAM BENCH

No.	Description	Date	Project Number
			C-821-15
			Drawn By CAB
			Checked By CAB
			02/01/2023

COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
 Century Circle, Conway SC

AE Seal

AE Seal

A1.5

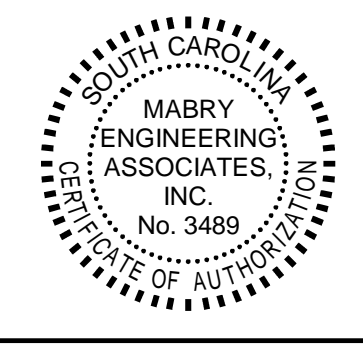
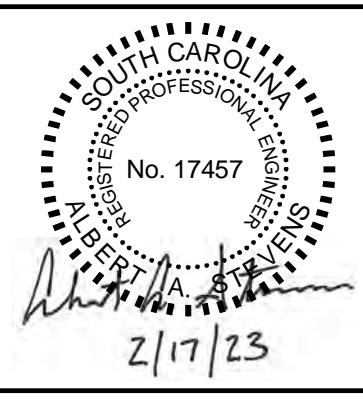
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COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
Century Circle, Conway SC
STATE PROJECT NO. H17-9609-34-J-B

Project Number	C-821-15
Date	
Description	
No.	
Drawn By	SAS
Checked By	AAS
Date	2/17/23

FOUNDATION PLAN AND DETAILS

Drawing No. **S1.1**

FOUNDATION GENERAL NOTES:
A. BOTTOM OF ALL TOE FOOTINGS @ (-1'-0") BELOW FINISH FLOOR, U.N.O.
B. ALL SLAB TO BE 4" CONCRETE SLAB W/ WVF 6X6-W1.4XW1.4 U.N.O.
C. CONTROL JOINTS TO BE SPACED 6'-0" MAX. SEE FLOOR PLAN

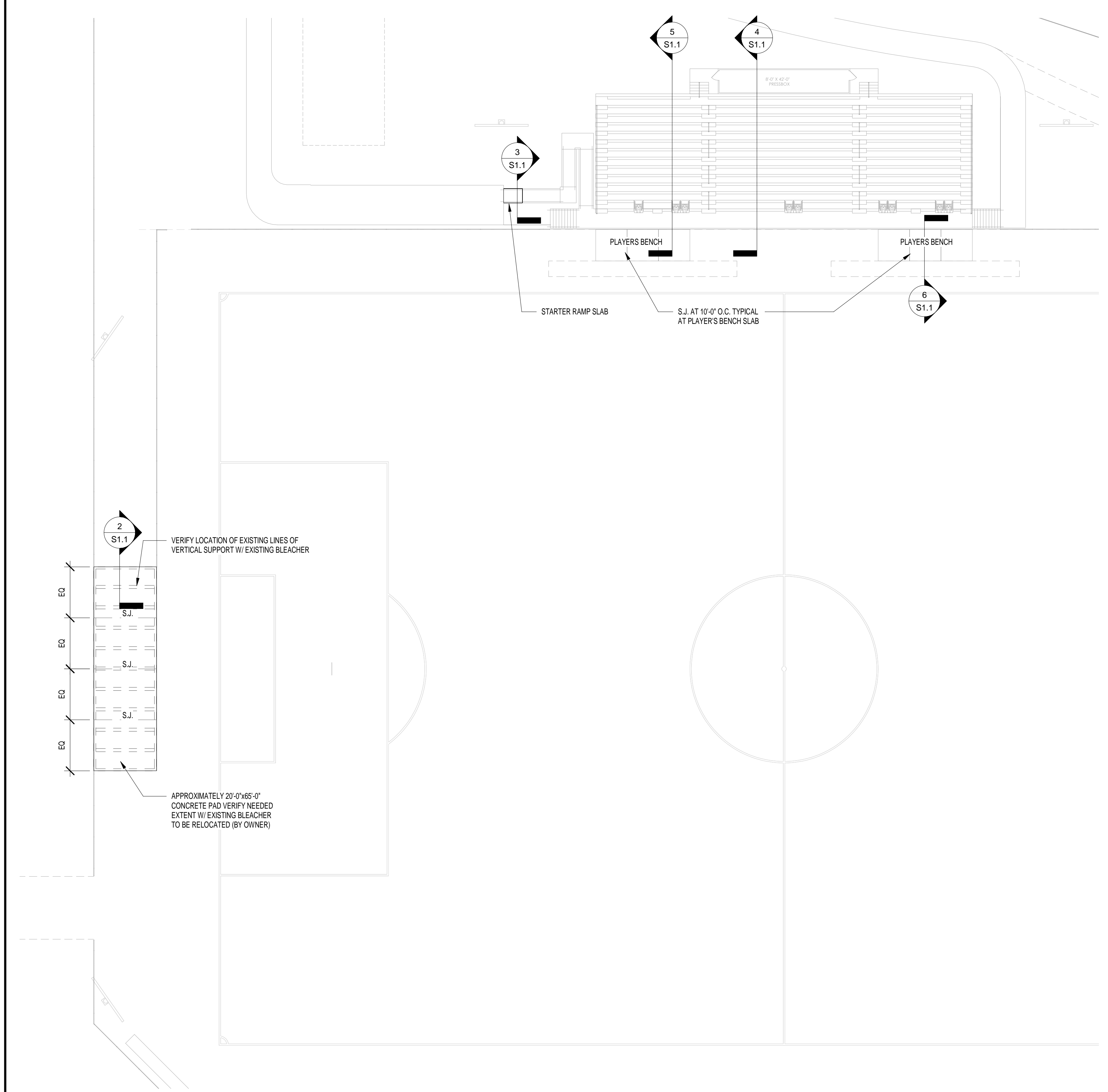
SYMBOLS
SAW JOINTS

SOIL NOTES:

- FOUNDATION SYSTEM DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 1,500 PSF BEARINGS ON PROPERLY COMPACTED SOILS VERIFIED BY GEOTECHNICAL TESTING.
- BEFORE ANY CONSTRUCTION, THE ENTIRE SITE AREA SHALL BE STRIPPED OF ANY ROOT SYSTEMS, SURFACE VEGETATION, ORGANIC SURFACE SOILS, EXISTING CONCRETE SLABS, BURIED FUEL TANKS, UNDERGROUND UTILITIES, AND ANY OTHER UNSUITABLE NEAR SURFACE MATERIALS. ALSO, ALL UNDOCUMENTED FILL SOILS BENEATH THE BUILDING AREAS SHALL BE COMPLETELY REMOVED TO A DEPTH DETERMINED BY TESTING LABORATORY AND REWORKED AS NECESSARY TO OBTAIN REQUIRED BEARING VALUE. THE UNDERCUTTING SHALL EXTEND AT LEAST FIVE FEET OUTSIDE THE BUILDING AREA. AFTER STRIPPING AND UNDERCUTTING, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER TO CONFIRM THAT ALL UNSUITABLE MATERIALS HAVE BEEN REMOVED. THE EXPOSED SUBGRADE SHALL THEN BE DENSIFIED, IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER, WITH APPROVED EQUIPMENT. TESTING LABORATORY PERSONNEL SHALL DETERMINE THE NECESSITY OF FURTHER UNDERCUTTING. THE EXPOSED BASE SOILS SHALL BE DENSIFIED TO 98% MODIFIED PROCTOR. TEST EXISTING BASE SOIL TO VERIFY THAT 98% COMPACTION HAS BEEN OBTAINED. DEPENDING UPON SOIL MOISTURE AT TIME OF GRADING, MOISTURE SHALL BE ADDED OR THE SOIL SHALL BE AERATED AND DRIED TO WITHIN +/- 2% OF OPTIMUM MOISTURE. IF WET CONDITIONS ARE ENCOUNTERED THE SUBGRADE SOILS SHALL BE SUFFICIENTLY AERATED TO PREVENT PUMPING UNDER HEAVY CONSTRUCTION EQUIPMENT. EXTREME CARE SHALL BE USED DURING STRIPPING AND DENSIFICATION OF SOIL ADJACENT TO EXISTING STRUCTURE TO PREVENT DAMAGE TO EXISTING BUILDING.
- ONCE THE EXPOSED SUBGRADE AREAS HAVE BEEN SATISFACTORILY STABILIZED, THE PLACED FILL SOILS SHALL BE COMPACTED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES IN LOOSE LIFT THICKNESS. AN IN PLACE DRY DENSITY OF APPROXIMATELY NINETY EIGHT PERCENT (98%) OF THE MAXIMUM MODIFIED PROCTOR DENSITY (ASTM D-1557) SHALL BE OBTAINED IN EACH LIFT. ALL FILL MATERIAL SHALL BE TESTED BY LABORATORY PERSONNEL TO VERIFY THEIR SUITABILITY FOR USE AS A STRUCTURAL FILL.
- THE TESTING LABORATORY SHALL DO A SUFFICIENT NUMBER OF IN PLACE DENSITY TESTS TO CONFIRM THAT THE REQUIRED DEGREE OF COMPACTION IS OBTAINED.
- PROVIDE UNDERSLAB CAPILLARY BREAK OVER NEW AREAS OF SUBGRADE BENEATH THE BUILDING FOOTPRINT. FILL SHALL BE GRANULAR SOILS CONTAINING SIX (6) OR LESS PERCENT FINES PASSING THE NO. 200 SIEVE, TO PROVIDE WHEN COMPACTED A SMOOTH AND EVEN SURFACE. COMPACT TO 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
- EACH FOOTING EXCAVATION SHALL BE THOROUGHLY TAMPED USING A MECHANICAL TAMPER BEFORE PLACING ANY STEEL OR CONCRETE. ALL SOFT, LOOSE, OR OTHERWISE QUESTIONABLE SOILS SHALL BE STABILIZED BY COMPACTING IN PLACE OR BY REMOVING AND REPLACING SUCH UNSUITABLE SOILS. IN AREAS THAT ARE DIFFICULT TO STABILIZE, A COARSE CRUSHED AGGREGATE SHALL BE USED TO STABILIZE THE EXCAVATIONS. TESTING LABORATORY SHALL VERIFY THAT THE FOOTING EXCAVATIONS HAVE BEEN COMPACTED AND THAT THE BEARING CAPACITY HAS BEEN ACHIEVED.
- IT IS REQUIRED THAT ALL FOOTINGS BE CONSTRUCTED AS SOON AS POSSIBLE AFTER EXCAVATION TO BEARING SOILS IS COMPLETED. IF THE BEARING SOILS ARE EXPOSED TO SURFACE OR RAIN WATER, THE SOFTENED SOIL SHALL BE THOROUGHLY REMOVED PRIOR TO PLACEMENT OF CONCRETE. IF IT IS ANTICIPATED THAT FOOTING EXCAVATIONS WILL REMAIN EXPOSED FOR MORE THAN 24 HOURS OR IF RAIN IS IMMINENT WHILE BEARING SOILS ARE EXPOSED, A 2" THICKNESS OF 2000 PSI MINIMUM STRENGTH CONCRETE MAY BE PLACED OVER BEARING SOILS FOR PROTECTION.
- IMMEDIATELY PRIOR TO CONSTRUCTING THE FLOOR SLAB OR PAVEMENT BASE COURSE, THE SUBGRADE SHALL BE RE-COMPACTED TO REPAIR ANY SUBGRADE SOILS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION.
- THE COMPACTION RECOMMENDATIONS GIVEN ABOVE ALSO APPLY TO BACKFILL FOR UTILITY TRENCHES WITHIN THE BUILDING AND PAVED AREAS. FIELD DENSITY TESTING SHALL BE PERFORMED THROUGHOUT BACKFILLING PROCESS TO DOCUMENT THE CONTRACTOR'S COMPACTION PERFORMANCE IN THE UTILITY TRENCH BACKFILL.

CONCRETE NOTES:

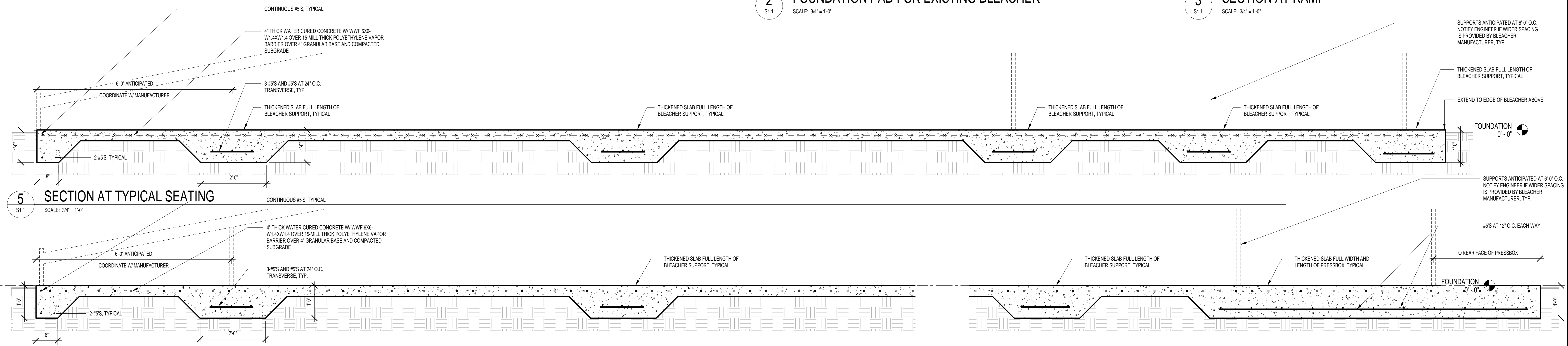
- CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS.
 - NORMAL WEIGHT (150) PCF 3000 PSI FOR ISOLATED FOOTINGS AND MISCELLANEOUS CONCRETE.
 - NORMAL WEIGHT (150) PCF 4000 PSI FOR MONOLITHIC FOOTINGS W/ SLABS ON GRADE.
- ALL REINFORCING BARS TO HAVE A MINIMUM YIELD STRENGTH OF 60 KSI.
- FOOTINGS ARE LOCATED AT COLUMN LINES OR CENTER OF WALLS UNLESS SHOWN OTHERWISE ON PLANS.
- ALL LAP SPICES ARE TO BE CLASS 'B' SPICES IN ACCORDANCE WITH ACI 318 UNLESS NOTED OTHERWISE.
- ALL CONCRETE FOOTINGS, ETC. SHALL HAVE CORNER BARS SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT. UNLESS NOTED OTHERWISE.
- PROVIDE AND INSTALL ALL PLATES, ANGLES, REINFORCING STEEL, ETC., EMBEDDED IN CAST-IN-PLACE CONCRETE.
- CONCRETE FORMWORK:
 - ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI STANDARD 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.
 - RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FORM, SHORES, BACKSHORES, FALSEWORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPROD INCLUDING THE WET WEIGHT OF CONCRETE, CONSTRUCTION EQUIPMENT, LIVE LOAD, LATERAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - TOLERANCE: UNLESS SPECIFIED OTHERWISE, ALL TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO ACI STANDARD 117, STANDARD TOLERANCE FOR CONCRETE CONSTRUCTION AND MATERIALS. THE CONTRACTOR SHALL ENGAGE A LICENSED SURVEYOR TO VERIFY THAT WORK IS WITHIN SPECIFIED TOLERANCES.
 - ALL PERMANENTLY VISIBLE EDGES OF CONCRETE SHALL HAVE A 3/4" CONTINUOUS CHAMFER. THIS INCLUDES ALL SLABS, BEAMS, COLUMNS, AND WALLS.
- ALL CONCRETE SLABS TO HAVE 3/4" CHAMFER EDGES AT EXPOSED CORNERS.



1 FOUNDATION
SCALE: 1" = 20'-0"

2 FOUNDATION PAD FOR EXISTING BLEACHER
SCALE: 3/4" = 1'-0"

3 SECTION AT RAMP
SCALE: 3/4" = 1'-0"



5 SECTION AT TYPICAL SEATING
SCALE: 3/4" = 1'-0"

4 SECTION AT PRESSBOX
SCALE: 3/4" = 1'-0"

3/23/2023 9:19:56 AM

ELECTRICAL SYSTEMS SEISMIC REQUIREMENTS PER IBC-2021/ASCE 7-16

- A. PER THE 2021 INTERNATIONAL BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7-16.
- B. EXTERIOR EQUIPMENT (INCLUDING ROOF CURBS, RAILS, SUPPORTS) EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTER 26 TO 29 OF ASCE 7-16.
- C. WHERE DESIGN FOR SEISMIC AND WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.
- D. REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC.
- E. USE THE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.
- F. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL REGISTERED IN THE STATE THE JOB IS LOCATED. SUBMITTALS MUST INCLUDE STAMPED AND SIGNED DRAWINGS AND CALCULATIONS.
- G. WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE RECEIPT OF THE APPROVED SEISMIC SUBMITTAL.
- H. SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAYS AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

ELECTRICAL COMPONENT IMPORTANCE FACTOR (Ip) DESIGNATION

Ip = 1.0 Ip = 1.5

- ALL ASSOCIATED ELECTRICAL WORK UNLESS NOTED OTHERWISE

SEISMIC DESIGN CATEGORIES D,E,F

COMPONENT IMPORTANCE FACTOR (Ip)

COMPONENT IDENTIFICATION	SEISMIC RESTRAINT REQUIREMENT	NOTES	
		1.0	1.5
ROOF MOUNTED	RESTRAIN ALL	1	-
FLOOR MOUNTED	RESTRAIN ALL	1,2	-
WALL MOUNTED	RESTRAIN ALL	1,2	-
COMPONENT SUPPORTS	RESTRAIN ALL	1	-
SUSPENDED EQUIPMENT	RESTRAIN ALL	1	-
SINGLE CONDUIT	RESTRAIN IF ≥ 2.5"	3	3
CABLE TRAY/BUS DUCT TRAPEZED CONDUIT	DO NOT DELETE ON TRAPEZE ≥ 2.5". RESTRAIN IF TOTAL WEIGHT OF SUSPENDED COMPONENT > 10 LBS/FT	3	3
COMPONENT CERTIFICATION	NOT REQUIRED	-	5
PENDANT, LAY-IN AND CAN LIGHTS	REQUIRED	4	4

- NOTES:**
1. EQUIPMENT 20 LBS. OR LESS IS EXEMPT IF THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE AND FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.
 2. RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHS 400 LBS. OR LESS, IS MOUNTED WITH THE CENTER MASS AT 4' OR LESS ABOVE A FLOOR, IS POSITIVELY ATTACHED TO THE STRUCTURE, AND HAS FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.
 3. RESTRAINT IS NOT REQUIRED IF THE CONDUIT IS SUPPORTED BY HANGERS AND EACH HANGER IN THE RUN IS 12" IN. OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING STRUCTURE. WHERE PIPES ARE SUPPORTED ON A TRAPEZE, THE TRAPEZE SHALL BE SUPPORTED BY HANGERS HAVING A LENGTH OF 12" IN. OR LESS. WHERE ROD HANGERS ARE USED, THEY SHALL BE EQUIPPED WITH SWIVELS, EYE NUTS OR OTHER DEVICES TO PREVENT BENDING IN THE ROD.
 4. THE RESTRAINT OF PENDANT, LAY-IN AND CAN LIGHTS IS ADDRESSED IN ASTM C636 AND E580.
 5. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY ENGINEER OF RECORD.

GENERAL ELECTRICAL NOTES

1. BRANCH CIRCUIT WIRING FOR 20A CIRCUITS SHALL BE SIZED PER WIRE SIZING CHART. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.
2. FEEDER CONDUITS AND BRANCH CIRCUIT ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES BEFORE AND DURING CONSTRUCTION. COORDINATE THE ROUTING OF UNDERGROUND CONDUCTORS/CONDUITS WITH CIVIL SURVEY.
3. THE USE OF MC CABLE IS NOT ALLOWED, UNLESS NOTED OTHERWISE.
4. WHEREVER THE WORD "PROVIDE" IS USED ON THE ELECTRICAL DRAWINGS, IT SHALL BE INFERRED TO MEAN "FURNISH AND INSTALL", UNLESS NOTED OTHERWISE.
5. THE ARRANGEMENT, GROUPING, AND ROUTING OF BRANCH CIRCUITS SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR ELECTRICAL WORK, THE NATIONAL ELECTRICAL CODE REQUIREMENTS, LOCAL ORDINANCES, AND THE FOLLOWING: 1 - A COMMON NEUTRAL MAY BE INSTALLED IN A HOMERUN FOR 2 OR 3 BRANCH CIRCUITS ONLY IF A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT OF ORIGIN IS PROVIDED PER NEC 210.4.B. 2 - MULTIPLE SINGLE-POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS AND 1 GROUND) RATED FOR 30A OR LESS MAY BE PULLED INTO A SINGLE RACEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE RACEWAYS AND DE-RATING CONDUCTORS PER NEC 310.15. 3 - A GROUND CONDUCTOR SHALL BE PROVIDED IN ALL RACEWAYS UNLESS NOTED OTHERWISE.

GENERAL POWER NOTES

1. THE GROUND ROD FOR THE SERVICE GROUND SHALL CONSIST OF A 3/4" X 10'-0" COPPER CLAD STEEL GROUND ROD. THE GROUND ROD SHALL BE A BARE COPPER CONDUCTOR. REFER TO ONE-LINE DIAGRAM FOR GROUNDING ELECTRODE CONDUCTOR SIZE. TOP OF THE ROD SHALL BE 12" BELOW FINISHED GRADE. CONNECTION TO THE ROD SHALL BE WITH EXOTHERMIC WELDS.

GENERAL EXISTING CONDITION NOTES

1. AREAS OF WORK EXIST FOR THIS PROJECT WHICH WERE NOT ACCESSIBLE OR HAD LIMITED ACCESS DURING DESIGN. AS SUCH, CONTRACTOR SHALL VERIFY ALL UTILITIES IN AREA OF WORK BEFORE DEMOLITION OF ANY SERVICE. ANY ELECTRICAL COMPONENTS NOT SHOWN SHALL BE IDENTIFIED AND THE ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE. NO ELECTRICAL REWORK SHALL BE COMMENCED WITHOUT COORDINATION WITH THE ENGINEER. WHERE INFORMATION SHOWN ON THESE DRAWINGS CONFLICTS WITH VERIFIED FIELD CONDITIONS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

GENERAL LOW VOLTAGE NOTES

1. LOW VOLTAGE INSTALLATION WILL BE PROVIDED BY OTHERS AND HAS BEEN INCLUDED ON DRAWINGS FOR REFERENCE AND COORDINATION PURPOSES. BOXES, CONDUIT AND RECEPTACLES FOR IT EQUIPMENT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
2. SUPPORT CABLES FROM INDICATED CABLE TRAY AND WITH J-HOOKS IF NECESSARY IN ADDITION TO CABLE TRAY. J-HOOKS SHALL BE PROVIDED AT INTERVALS LESS THAN 5 FEET. DO NOT SUPPORT CABLES FROM STRUCTURE.
3. ALL COMMUNICATION CABLING SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND EIA/TIA STANDARDS.
4. CABLE SHALL BE CONCEALED IN ALL FINISHED AREAS AND ROUTED PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE.

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LED, POLE MOUNTED, STADIUM LIGHTING		LED, BOLLARD LIGHTING
	LED, POLE MOUNTED, AREA LIGHTING		LED, STRIP LIGHTING

POWER AND TELECOMMUNICATIONS SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GFCI DUPLEX RECEPTACLE "X" INDICATES RECEPTACLE TYPE		SURGE PROTECTION DEVICE
	JUNCTION BOX (FLOOR MOUNTED) "X" INDICATES JUNCTION BOX TYPE		METER
	TRANSFORMER		PANELBOARD - BRANCH, SURFACE MOUNTED
	HANDHOLE		

ELECTRICAL ABBREVIATIONS

ABBR	DESCRIPTION
(E)	EXISTING
BOD	BOTTOM OF DEVICE
CB	CIRCUIT BREAKER
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTING
GFI	GROUND-FAULT INTERRUPTING
GP	GENERAL PURPOSE
HH	HANDHOLE
J-BOX	JUNCTION BOX
KW	KILOWATTS
LCP	LIGHTING CONTROL PANEL
LCS	LIGHTING CONTROL SYSTEM
LTG	LIGHTING
NEC	NATIONAL ELECTRICAL CODE
SB	SCOREBOARD
SPD	SURGE PROTECTION DEVICE
SS	STAINLESS STEEL
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WP	WEATHERPROOF
XFMR	TRANSFORMER
LIGHT SWITCH	DESCRIPTION
T	30 MINUTE STANDALONE DIGITAL TIMER

ELECTRICAL CODES AND STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

CODE	DESCRIPTION
IBC (2021)	INTERNATIONAL BUILDING CODE
NFPA 70 (2020)	NATIONAL ELECTRICAL CODE
IECC (2009)	INTERNATIONAL ENERGY CONSERVATION CODE

WIRE SIZING CHART 20 AMP BRANCH CIRCUITS

DISTANCE, 120V	MINIMUM WIRE SIZE
0 - 90 FEET	#12 AWG
90 - 230 FEET	#10 AWG
230 - 446 FEET	#8 AWG
446 - 750 FEET	#6 AWG

LINE LEGEND

SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	NEW CONSTRUCTION
	UNDERGROUND DRAINAGE PIPES

EXISTING PANELBOARD SCHEDULE

PANEL NAME: HV-3		VOLTS: 480/277 Wye		A.I.C. RATING: 22,000 A							
LOCATION: *SEE SITE PLANS* TYP.		PHASES: 3		MAINS RATING: 400 A							
SOURCE: UTILITY		WIRES: 4		MAINS TYPE: MAIN CIRCUIT BREAKER							
MOUNTING: SURFACE		ENCLOSURE: TYPE NEMA 4X SS									
CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.	
1				3340 VA / 5850 VA						2	
3	(E) FIXTURE S1	20 A	3		3340 VA / 5850 VA		3	30 A	(E) FIXTURE S2	4	
5				5850 VA / 3340 VA		3340 VA / 5850 VA				6	
7										8	
9	(E) FIXTURE S3	30 A	3		5850 VA / 3340 VA		3	20 A	(E) FIXTURE S4	10	
11						5850 VA / 3340 VA				12	
13				3340 VA / 3340 VA						14	
15	(E) FIXTURE S5	20 A	3		3340 VA / 3340 VA		3	20 A	(E) FIXTURE S6	16	
17										18	
19				3340 VA / 480 VA		3340 VA / 3340 VA		1	20 A	BOLLARD LIGHTING WEST	
21	(E) FIXTURE S7	20 A	3		3340 VA / 180 VA		1	20 A	BOLLARD LIGHTING SOUTH	22	
23						3340 VA / 220 VA	1	20 A	BOLLARD LIGHTING EAST	24	
25	PREPARED SPACE	--	1	0 VA / 0 VA			1	--	PREPARED SPACE	26	
27	PREPARED SPACE	--	1		0 VA / 0 VA		1	--	PREPARED SPACE	28	
29	PREPARED SPACE	--	1			0 VA / 0 VA	1	--	PREPARED SPACE	30	
31	PREPARED SPACE	--	1	0 VA / 0 VA			1	--	PREPARED SPACE	32	
33	PREPARED SPACE	--	1		0 VA / 0 VA		1	--	PREPARED SPACE	34	
35	PREPARED SPACE	--	1			0 VA / 0 VA	1	--	PREPARED SPACE	36	
37				0 VA / 19850 VA						38	
39	PRESS BOX PANEL LP (VIA XFMR X2)	60 A	2		0 VA / 19850 VA		3	125 A	(E) LV-3 (VIA XFMR X1)	40	
41	PREPARED SPACE	--	1			0 VA / 19850 VA				42	
		TOTAL PHASE LOAD:		48680 VA	48397	48443					
		TOTAL PHASE CURRENT:		176 A	175 A	175 A					
PANEL TOTALS											
				TOTAL CONNECTED LOAD: 145521							
				TOTAL CONNECTED CURRENT: 175 A							

** PROVIDE NEW ABB TH BREAKER IN EXISTING PANEL. UPDATE EXISTING PANEL SCHEDULE TO ACCOUNT FOR MODIFICATIONS.

LIGHT FIXTURE INFORMATIONAL SCHEDULE

TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CAT. #	LAMP TYPE	LAMPING			ELECTRICAL		FIXTURE MOUNTING
					TOTAL LUMENS	COLOR TEMP.	LOAD (VA)	VOLTS		
G1	3'-6" TALL BOLLARD	PHILIPS HADCO	TB361 LED BOLLARD A KF 10 A N	LED	600	4000 K	25	277 V	GROUND MOUNTED	
J1	4' FIBERGLASS BODY VAPORTIGHT STRIP	ORACLE	4 0WVS1 LED 6000L DM10 MVOLT 40K 85	LED	8000	4000 K	46	120 V	25' CHAIN HUNG FROM BLEACHERS	
P1	POLE MOUNTED, SITE LIGHT, TYPE 5 DISTRIBUTION, 10' POLE, 4" X 3" TAPERED, 1/8" WALL THICKNESS 60635T4 ALUMINUM ALLOY	PHILIPS HADCO	VX151 32 G3 A F 5 N N 740 A 7 POLE SP5611A	LED	5156	4000 K	70	277 V	POLE MOUNTED	

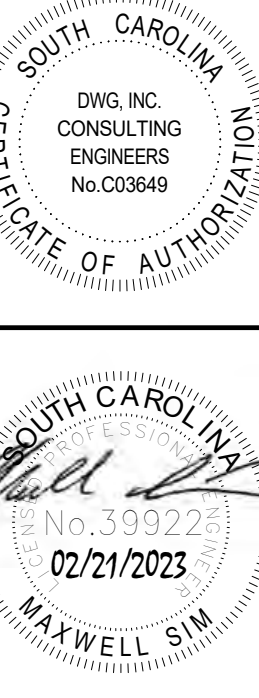
NOTES:

1. ARCHITECT TO CONFIRM FINISH/COLOR.
2. MANUFACTURE LISTED IS CAMPUS STANDARD. ALTERNATE MANUFACTURER SHALL REQUIRE APPROVAL BY OWNER.

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803.799.0247 P
BoudreauGroup.com

1519 Summer Street
Columbia, SC 29201



COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
Century Circle, Conway SC

STATE PROJECT NO: H17-9609-MJ-B

No.	Description	Date	Drawn By	Checked By
			WDB	MHS

ELECTRICAL NOTES, LEGENDS, SCHEDULES, & DETAILS

Drawing No.

E001

ELECTRICAL SERVICE GENERAL NOTES:

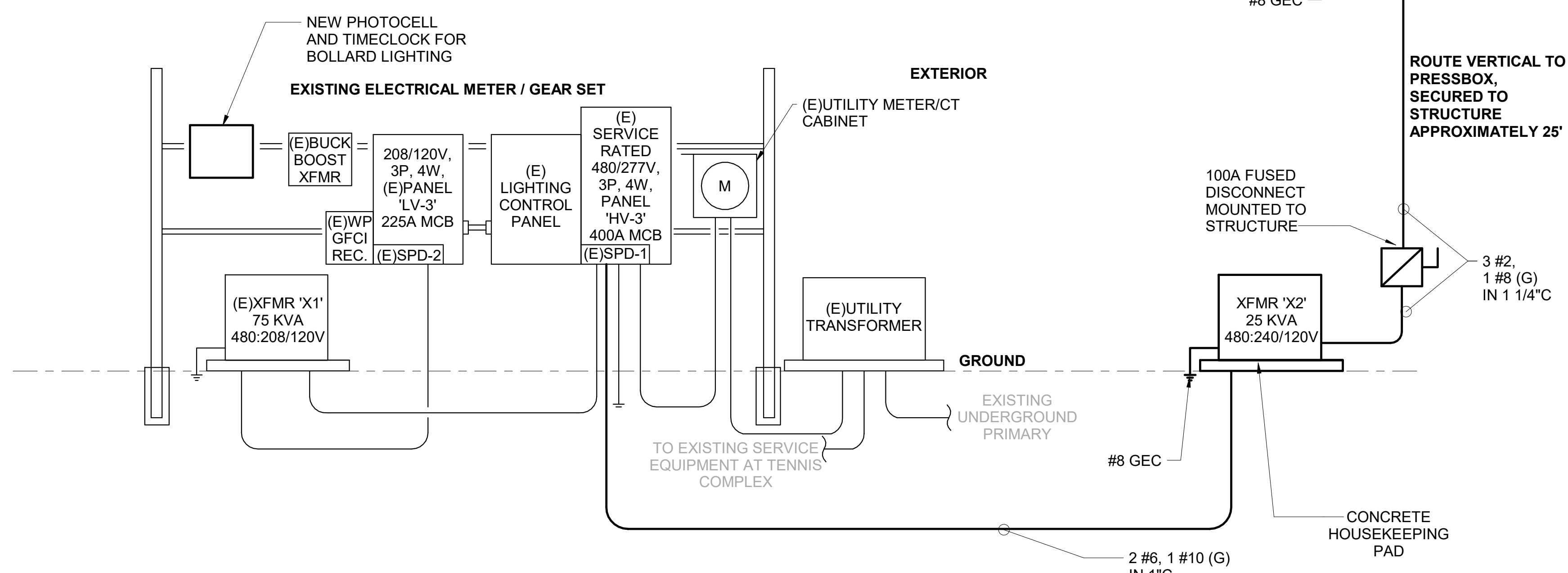
- ALL EQUIPMENT SHALL BE ENCLOSED IN NEMA 4X SS RATED ENCLOSURES.
- XFMR 'X2' SHALL BE AN EPOXY ENCAPSULATED, PAD-MOUNTED, DRY TYPE TRANSFORMER.
- SPD IS INTEGRAL TO THE PANELBOARD, MEANING THAT THE SPD SERIES IS MOUNTED DIRECTLY TO THE PANELBOARD'S BUS BARS. IN TURN TAKING UP NO CIRCUIT BREAKER SPACES ON THE PANELBOARDS.

PROVIDE 30A-3P BREAKER WITHIN PRESS BOX VENDOR PROVIDED PANELBOARD TO CONNECT EXTERNAL SPD TO. MATCH BRAND MAKE, MANUFACTURER AND RATINGS OF THE PROVIDED PANELBOARD

PROVIDE EXTERNALLY MOUNTED SPD

240/120V, 1P, 3W, PANEL 'LP' 200A RATED, 100A MCB

PANEL PROVIDED BY PRESS BOX VENDOR

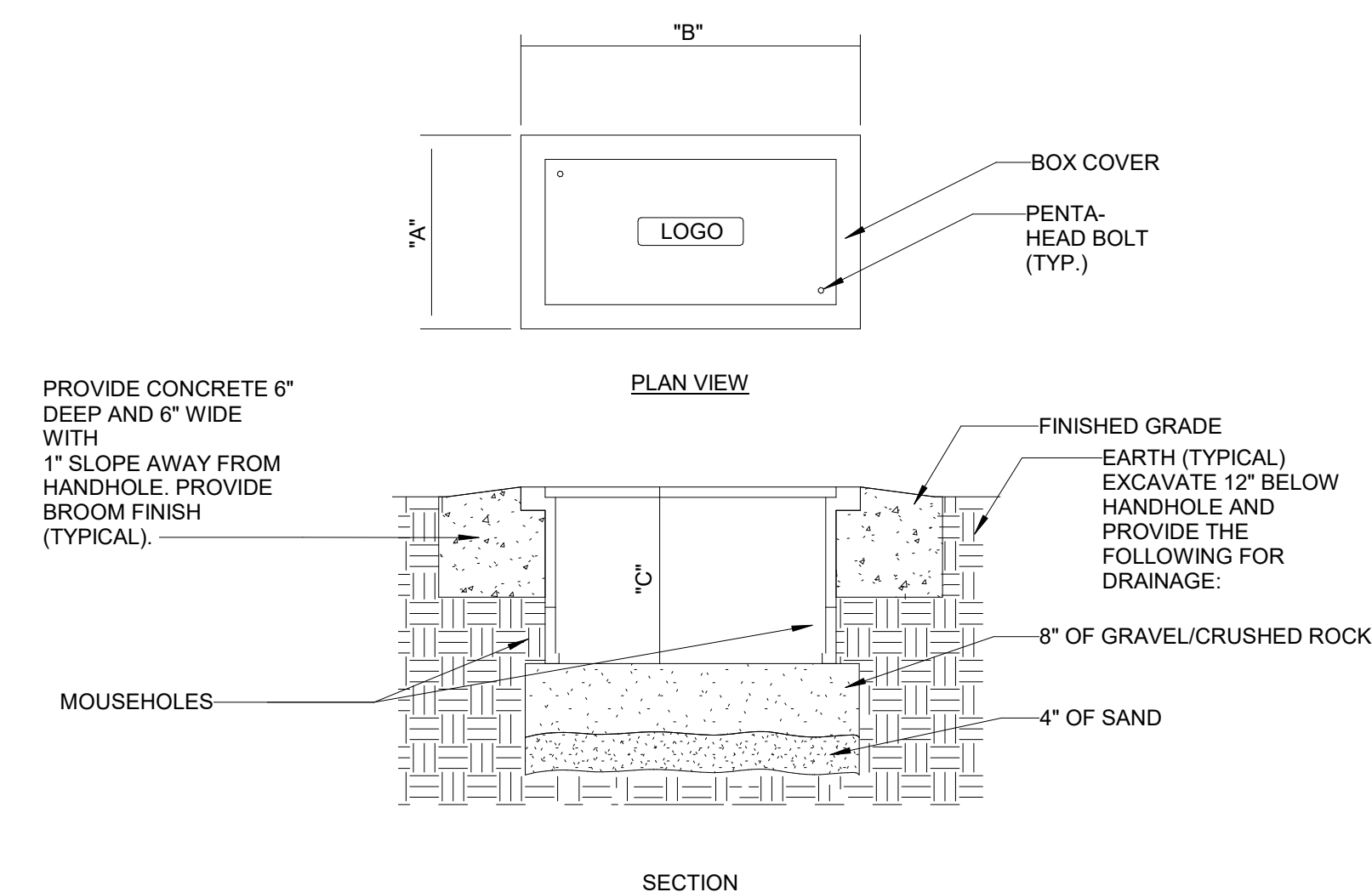


1 ONE-LINE DIAGRAM
E010 NOT TO SCALE

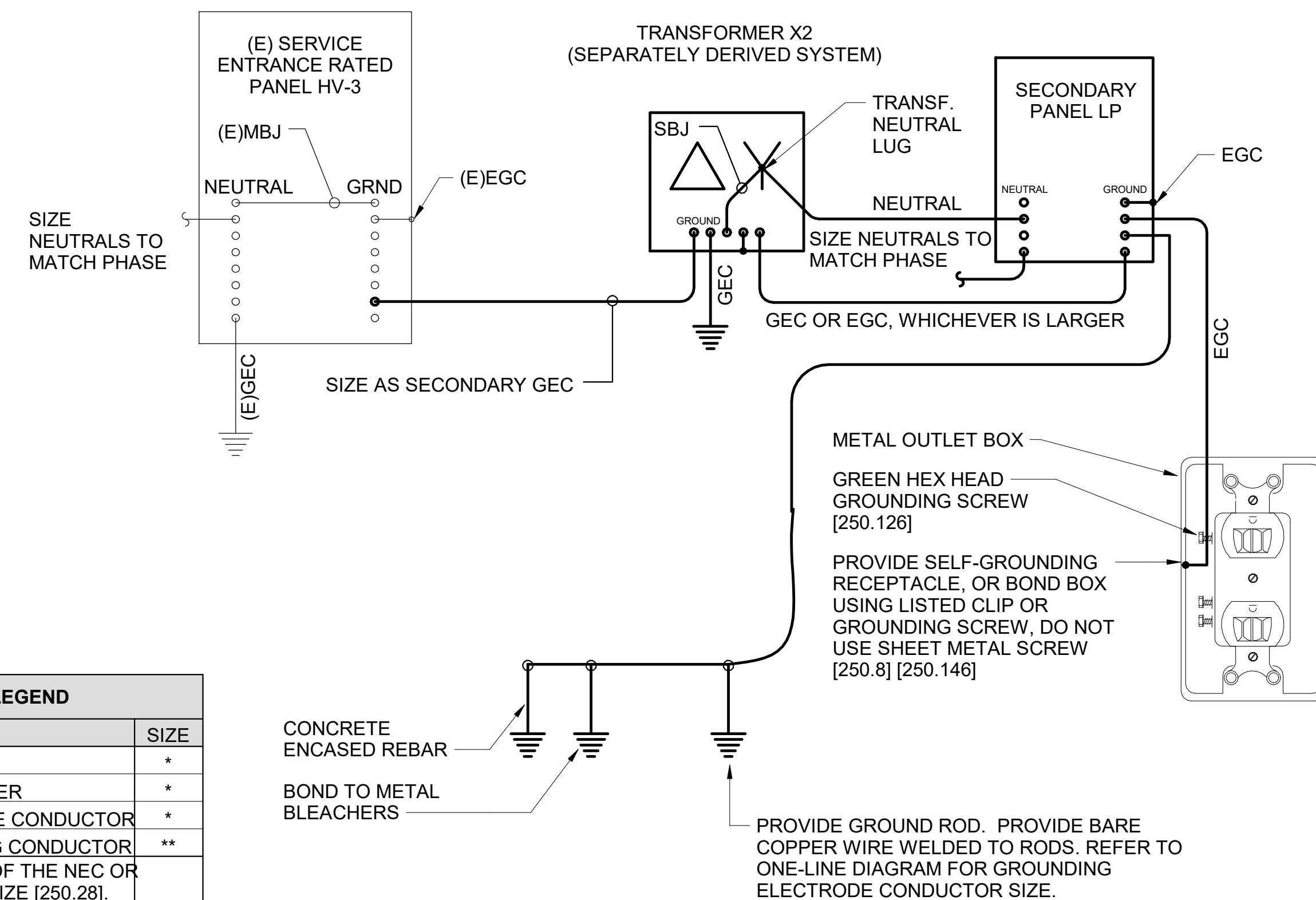
SURGE PROTECTION DEVICE (SPD) SCHEDULE						
SPD ID	LOCATION TYPE	SURGE CURRENT RATING	SURGE COUNTER	VISUAL & AUDIBLE ALARM	NETWORK MONITORING	ENCLOSURE
SPD-2	TYPE 1	60kA / mode	YES	YES	NO	NEMA1

HANDHOLE SCHEDULE				DIMENSIONS		
HANDHOLE NO.	LOAD CAPACITY	COVER LOGO		"A"	"B"	"C"
REMOVED POLE HAND HOLE	TIER 15	ELECTRICAL		10.125"	17.0"	12.0"

* BASIS OF DESIGN IS DURALITE HANDHOLES.
* ALL HANDHOLES SHALL BE UL LISTED TO MEET ANSI 77 REQUIREMENTS.
* PROVIDE TWO (2) PENTA-SOCKET LUG WRENCHES TO OWNER.
* DIMENSIONS INDICATED IN SCHEDULES INDICATES THE MINIMUM.



2 HANDHOLE DETAIL
E010 NOT TO SCALE

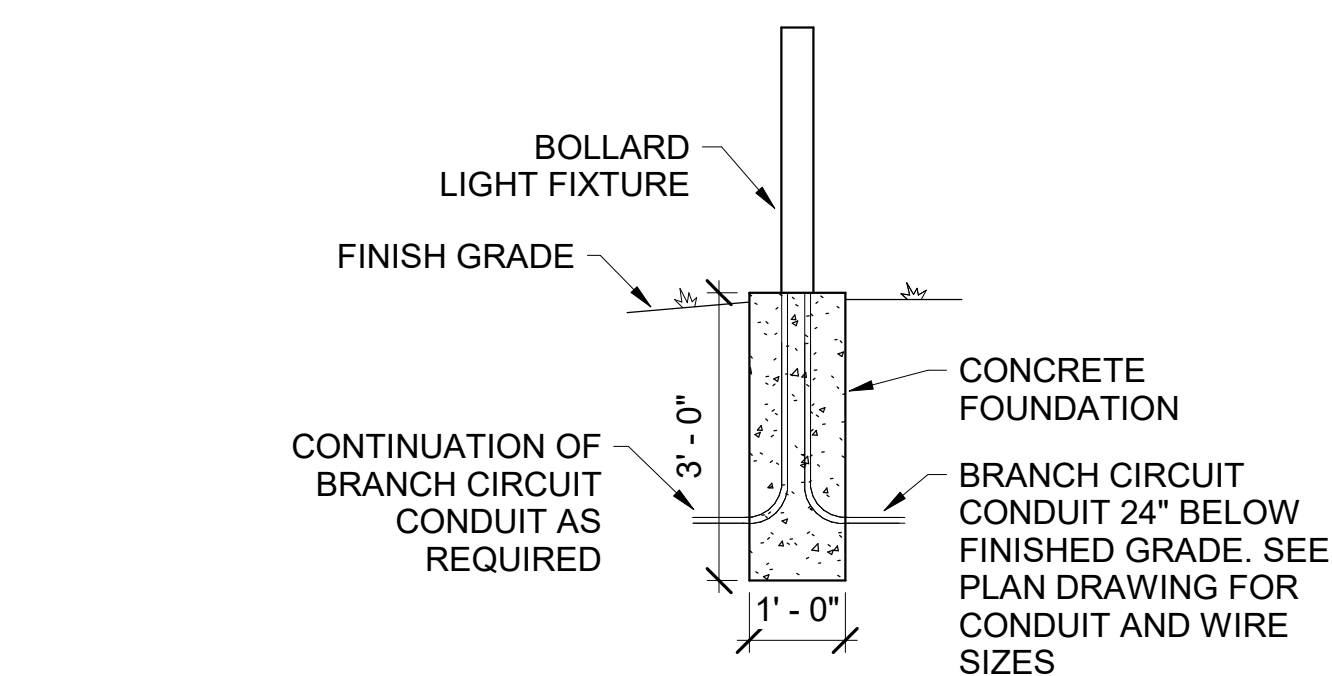


GROUNDING LEGEND		
ABBR.	DESCRIPTION	SIZE
MBJ	MAIN BONDING JUMPER	*
SBJ	SYSTEM BONDING JUMPER	*
GEC	GROUNDING ELECTRODE CONDUCTOR	*
EGC	EQUIPMENT GROUNDING CONDUCTOR	**
*	SIZE PER TABLE 250.66 OF THE NEC OR 12.5% OF CONDUCTOR SIZE [250.28].	
**	SIZE PER TABLE 250.122.	

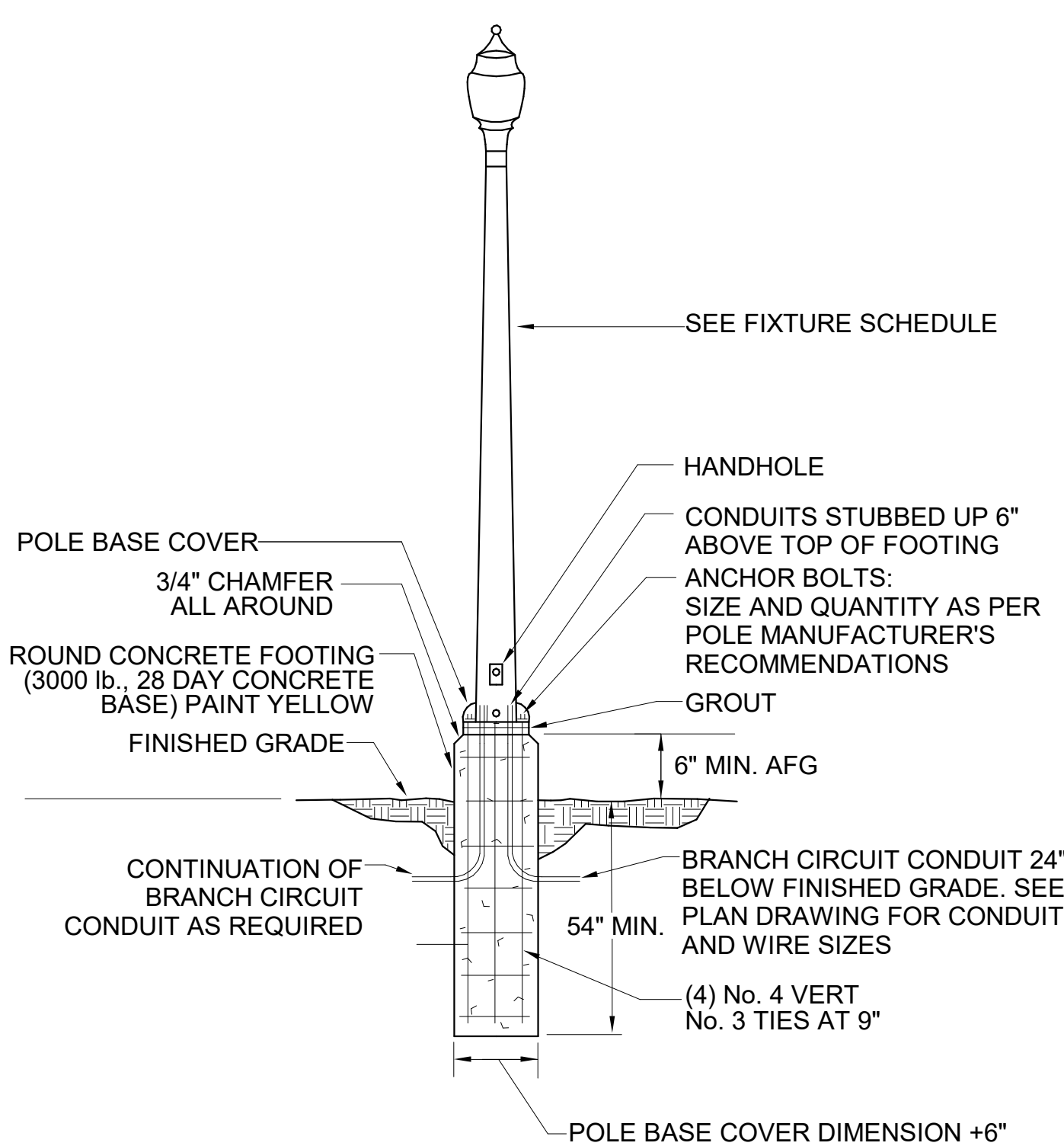
GROUNDING NOTES:

- NUMBERS IN BRACKETS REFER TO SPECIFIC SECTIONS OF THE NATIONAL ELECTRICAL CODE.
- ALL UNDERGROUND OR OTHERWISE INACCESSIBLE GROUND CONNECTIONS AND SPLICES SHALL BE EXOTHERMICALLY WELDED [250.68].
- GROUND ELECTRODE FOR SEPARATELY DERIVED SYSTEMS SHALL BE THE NEAREST METAL WATER PIPE OR STRUCTURAL METAL. IF EITHER IS NOT AVAILABLE, PROVIDE GROUNDING CONDUCTOR BACK TO MAIN GROUND BUS AT SERVICE ENTRANCE.
- PROVIDE A GROUND WIRE IN ALL CONDUITS.
- EARTH SHALL NOT BE USED AS THE SOLE GROUND RETURN PATH FOR ANY EQUIPMENT POWERED UNDER THIS PROJECT. OTHERWISE OVERCURRENT PROTECTION MIGHT NOT WORK, OR IT MIGHT CAUSE POWER QUALITY PROBLEMS.
- NO ALUMINUM SHALL BE USED FOR GROUNDING WORK WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. EXCEPTION: ALUMINUM BUILDING STRUCTURAL MATERIALS SHALL BE BONDED WITH LISTED ALUMINUM EQUIPMENT WITH ALUMINUM TO COPPER CONNECTORS FOR ROUTING COPPER EGC'S.
- PROVIDE GROUNDING BUSHING ON BOTH ENDS OF ALL SERVICE ENTRANCE RACEWAYS IF METAL RACEWAY IS USED, SIZE AS A GEC [250.80]. THIS INCLUDES RIGID STEEL ELBOWS ON PVC CONDUIT.
- ALL METAL ENCLOSURES AND RACEWAYS SHALL BE BONDED TO GROUND [250.86]. FOR CIRCUITS OVER 250V PROVIDE BOND PER [250.97]. STANDARD LOCKNUTS ARE NOT ACCEPTABLE.
- PROVIDE EGC CONNECTED TO ANY JUNCTION BOX WHERE SPLICE IS MADE [250.148].
- PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].
- PROVIDE BOND TO METAL BLEACHERS.

3 GROUNDING DETAIL
E010 NOT TO SCALE



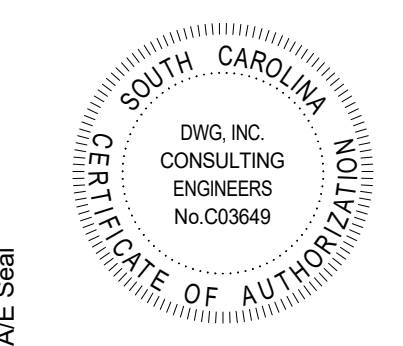
4 BOLLARD LIGHT INSTALLATION DETAIL
E010 NOT TO SCALE



5 POLE MOUNT INSTALLATION DETAIL
E010 NOT TO SCALE

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803.799.0247 P
BoudreauGroup.com
1519 Sumner Street
Columbia, SC 29201



COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
Century Circle, Conway SC
STATE PROJECT NO: H17-9609-MJ-B

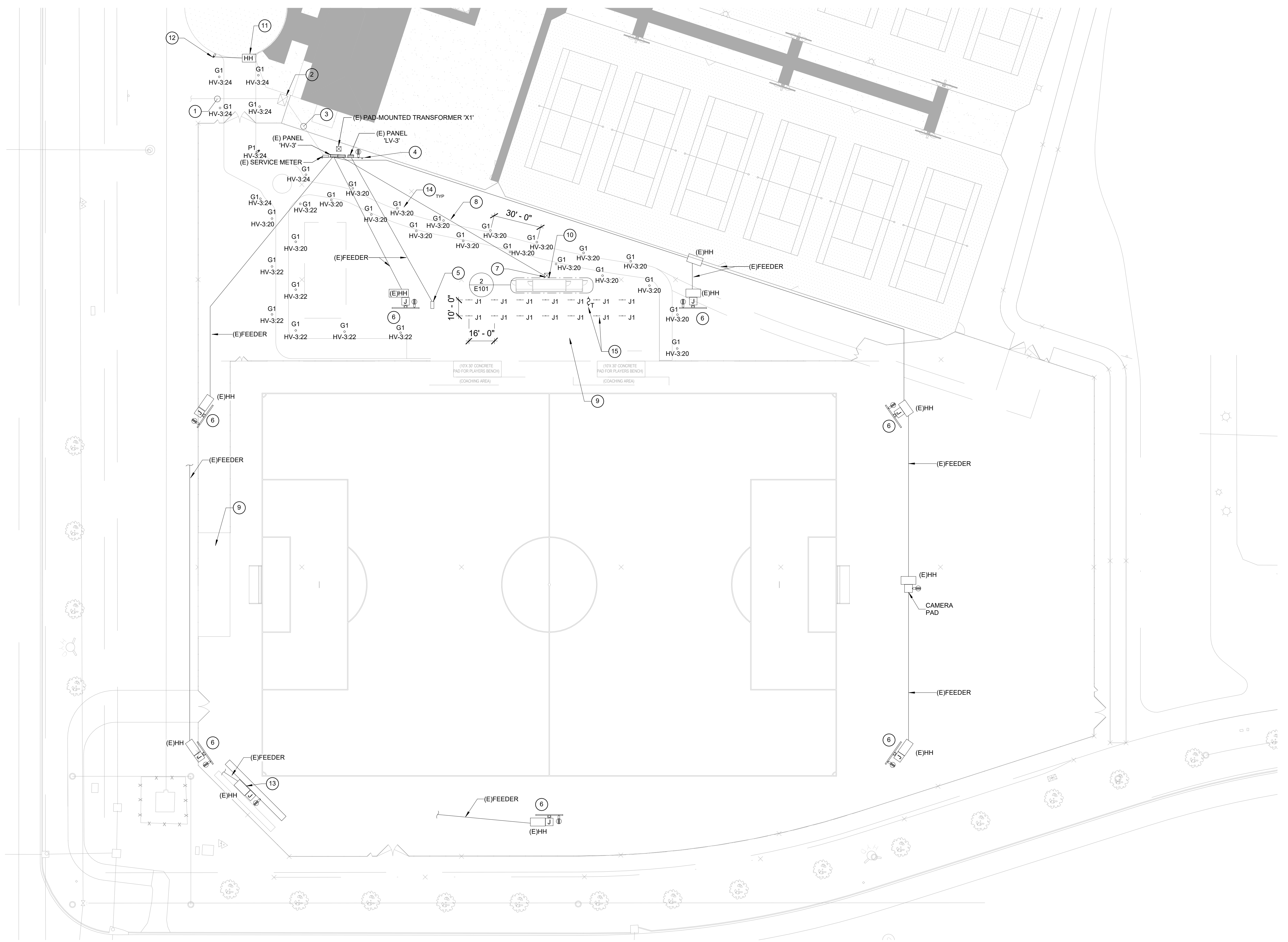
No.	Description	Date	Project Number
			22265
			Drawn By: WDB
			Checked By: MHS
			02/21/2023

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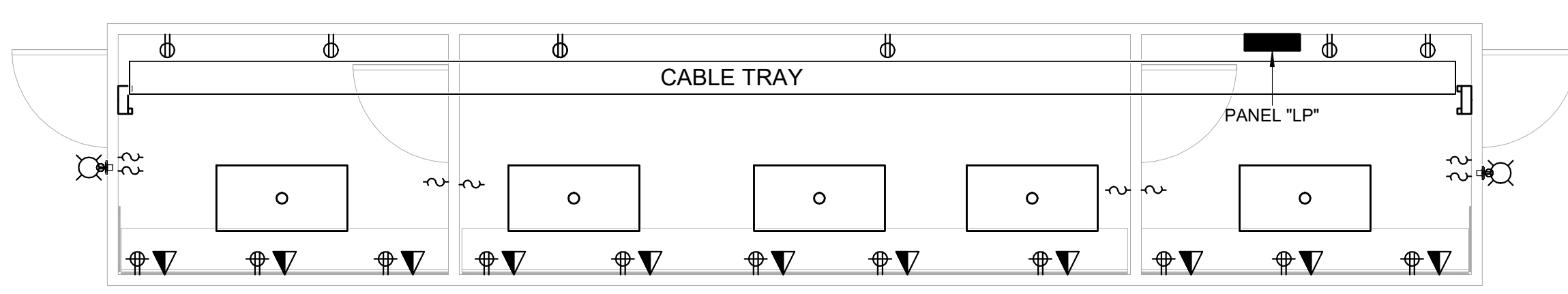
ELECTRICAL ONE-LINE DIAGRAM & DETAILS

Drawing Title:
E010
Drawing No.





1 SOCCER FIELD ELECTRICAL POWER AND LIGHTING SITE PLAN
E101 SCALE: 1" = 30'-0"



1. PRESS BOOTH WORK TO BE DONE BY PRESS BOOTH VENDOR. ONLY EC SCOPE OF WORK IS FINAL PANEL FEEDER CONNECTION, SPD INSTALLATION, GROUNDING OF THE PANELBOARD, AND INSTALLATION OF CABLE TRAY. ALL WORK SHOWN IN THIS VIEW TO BE DONE BY PRESS BOOTH VENDOR. VIEW PROVIDED FOR REFERENCE ONLY.
2. COMMUNICATIONS CABLING SHALL BE PROVIDED BY OWNER PROVIDED LOW VOLTAGE CONTRACTOR.

2 PRESS BOOTH EXPANDED VIEW
E101 SCALE: 1/4" = 1'-0"

RENOVATION KEYNOTES

- 1 EXISTING UNDERGROUND UTILITY PRIMARY CONDUCTORS.
- 2 EXISTING 150KVA, 480/277V, PAD MOUNTED UTILITY TRANSFORMER CURRENTLY FEEDING THE ADJACENT TENNIS COMPLEX.
- 3 EXISTING UNDERGROUND SECONDARY SERVICE, TAPPED FROM THE EXISTING 150KVA TRANSFORMER, SEE ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
- 4 EXISTING METER AND GEAR RACK, SEE ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
- 5 EXISTING FOOD TRUCK PEDESTAL.
- 6 EXISTING FIELD LIGHT POLE.
- 7 PAD-MOUNTED TRANSFORMER, 'X2'. SEE ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
- 8 U/G SECONDARY FEEDER FROM 480V PANEL TO PAD MOUNTED TRANSFORMER, SEE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 9 PROVIDE GROUND BOND TO METAL BLEACHERS.
- 10 SERVICE TO PRESSBOX PANEL SHALL ROUTE VERTICAL, SECURED TO STRUCTURE, SEE ONE-LINE DIAGRAM FOR SIZING.
- 11 EXISTING LAMP POST LOCATION. PROVIDE NEW HANDHOLE AT EXISTING LOCATION IN ORDER TO EXTEND CIRCUIT TO NEW LOCATION. MECHANICAL SPLICE KIT SHALL BE UTILIZED FOR EXTENSION. FIELD VERIFY CONDUCTOR SIZE AND EXTEND TO NEW LOCATION. SEE HAND HOLE DETAIL FOR HAND HOLE SIZING.
- 12 EXISTING LAMP POST LOCATION. PROVIDE BASE AS NECESSARY TO MATCH EXISTING INSTALLATION.
- 13 PROVIDE NEMA 4X STAINLESS STEEL 200A-3P DISCONNECT WITH 60 AMP FUSES. TERMINATE EXISTING CONDUCTORS COMING FROM HANDHOLE THAT ARE INTENDED FOR THE SCOREBOARD. FINAL CONNECTION TO SCOREBOARD TO BE DONE BY OTHERS.
- 14 ENTIRE LIGHTING CIRCUIT FOR BOLLARDS SHALL BE CONTROLLED BY ASTRONOMICAL TIMECLOCK & PHOTOCELL. SCHEDULE TO BE MAINTAINED BY OWNER.
- 15 UNDER BLEACHER LIGHTING SHALL BE WIRED TO PRESS BOOTH PANELBOARD UP. PROVIDE NEW 20A-1P BREAKER FOR PANELBOARD UP AND EDIT THE PANEL DIRECTORY TO REFLECT ADDED BREAKER AND LOAD DESCRIPTION. LOCATE WEATHERPROOF TIMER SWITCH NEAR UNDER BLEACHER STORAGE AREA ENTRANCE. COORDINATE WITH OWNER. PROVIDE 120V PHOTOCELL CONTROL FOR THE UNDER BLEACHER LIGHTING CONTROL.

GENERAL NOTES

1. ALL CONDUIT ROUTING SHOWN IS DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL BORE UNDERGROUND CONDUIT. HAND DIGGING SHALL ALSO BE ACCEPTABLE AT CLOSE TOGETHER LOCATIONS.
2. PROVIDE HAND DUG PILOT HOLES TO CONFIRM DEPTH OF EXISTING DRAINAGE AND IRRIGATION PIPE. BORES SHALL RUN BENEATH PIPE DEPTH. CONTRACTOR SHALL PROVIDE ALL DILIGENCE TO AVOID EXISTING DRAINAGE AND IRRIGATION PIPE, AND SHALL REPAIR IF DAMAGE OCCURS.
3. COORDINATE WITH PRESSBOX PROVIDER FOR POWER REQUIREMENTS TO PRESSBOX ELECTRICAL PANEL. CONFIRM EXACT CONNECTION LOCATION IN THE FIELD.
4. DRAINAGE PIPE LOCATIONS INDICATED ARE APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED. IRRIGATION PIPING IS PRESENT AS WELL BUT IS NOT INDICATED.
5. CONDUITS SHOWN ON THIS SHEET ARE POWER ONLY. SEE E102 FOR TELECOMMUNICATIONS ROUGH-IN CONDUIT.

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1519 Summer Street
Columbia, SC 29201

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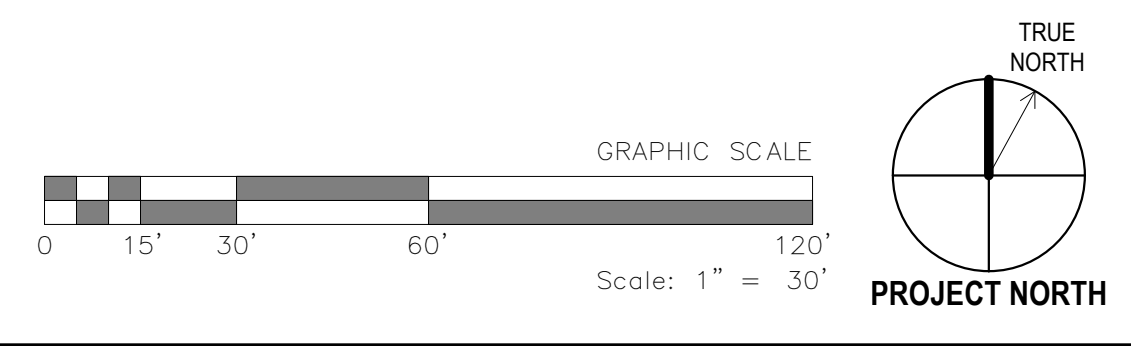
STATE OF SOUTH CAROLINA
REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
No. 33922
02/21/2023
MAXWELL SIMS

COASTAL CAROLINA UNIVERSITY
SOCCER COMPLEX - BLEACHERS AND PRESS BOX
Century Circle, Conway SC
STATE PROJECT NO: H17-9609-MJ-B

No.	Description	Date	Project Number
		2/2/25	2225

Drawing Title:
SOCCER FIELD ELECTRICAL POWER SITE PLAN

Drawing No.
E101



DWG
CONSULTING ENGINEERS
EMPLOYEES OWNED

1009 Anna Knapp Blvd., Suite 200
Mt. Pleasant, SC 29464
843-849-1141

