

# GUNTERSVILLE PARK IMPROVEMENTS - PHASE II

## FOR THE

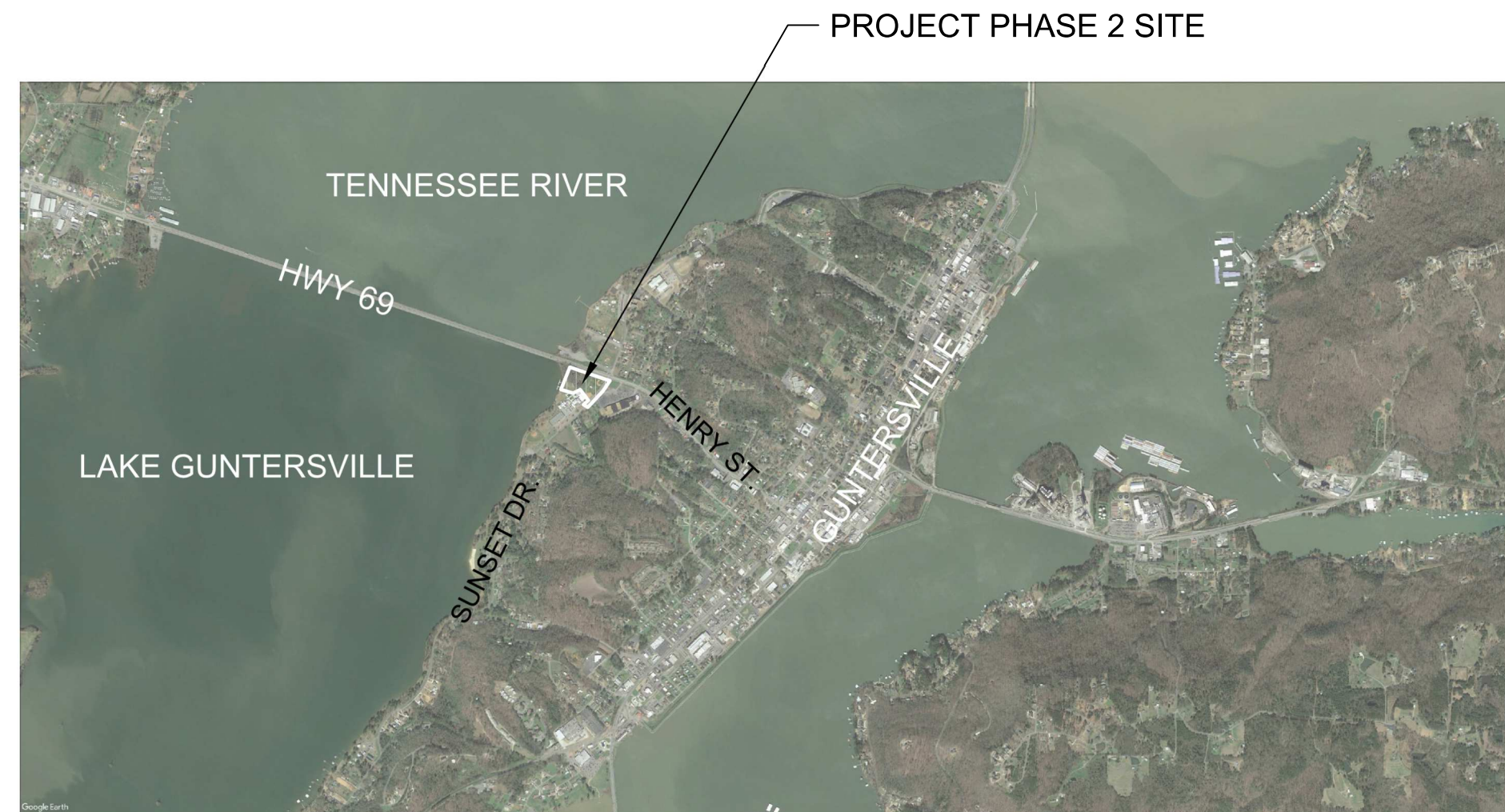
# CITY OF GUNTERSVILLE

## GUNTERSVILLE, ALABAMA

**BARGE**  
DESIGN SOLUTIONS

APRIL 21ST, 2023  
ISSUED FOR BID

### INDEX OF DRAWINGS

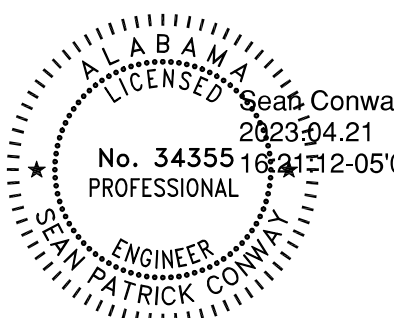


### LOCATION MAP

NOT TO SCALE

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G0.01	COVER SHEET	P0.01	PLUMBING GENERAL NOTES AND LEGEND
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C4.03	DRAINAGE PROFILES	A3.01	CONCESSION / RESTROOM REF. CLG. PLAN
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E0.02	SITE ELECTRICAL PLAN	L1.03	SITE LANDSCAPE PLAN
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E1.02	BATTING CAGE POWER AND LIGHTING	L7.03	FIELD DETAILS
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GUNTERSVILLE PARK IMPROVEMENTS - PHASE II



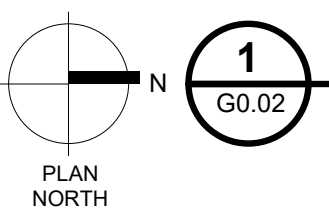
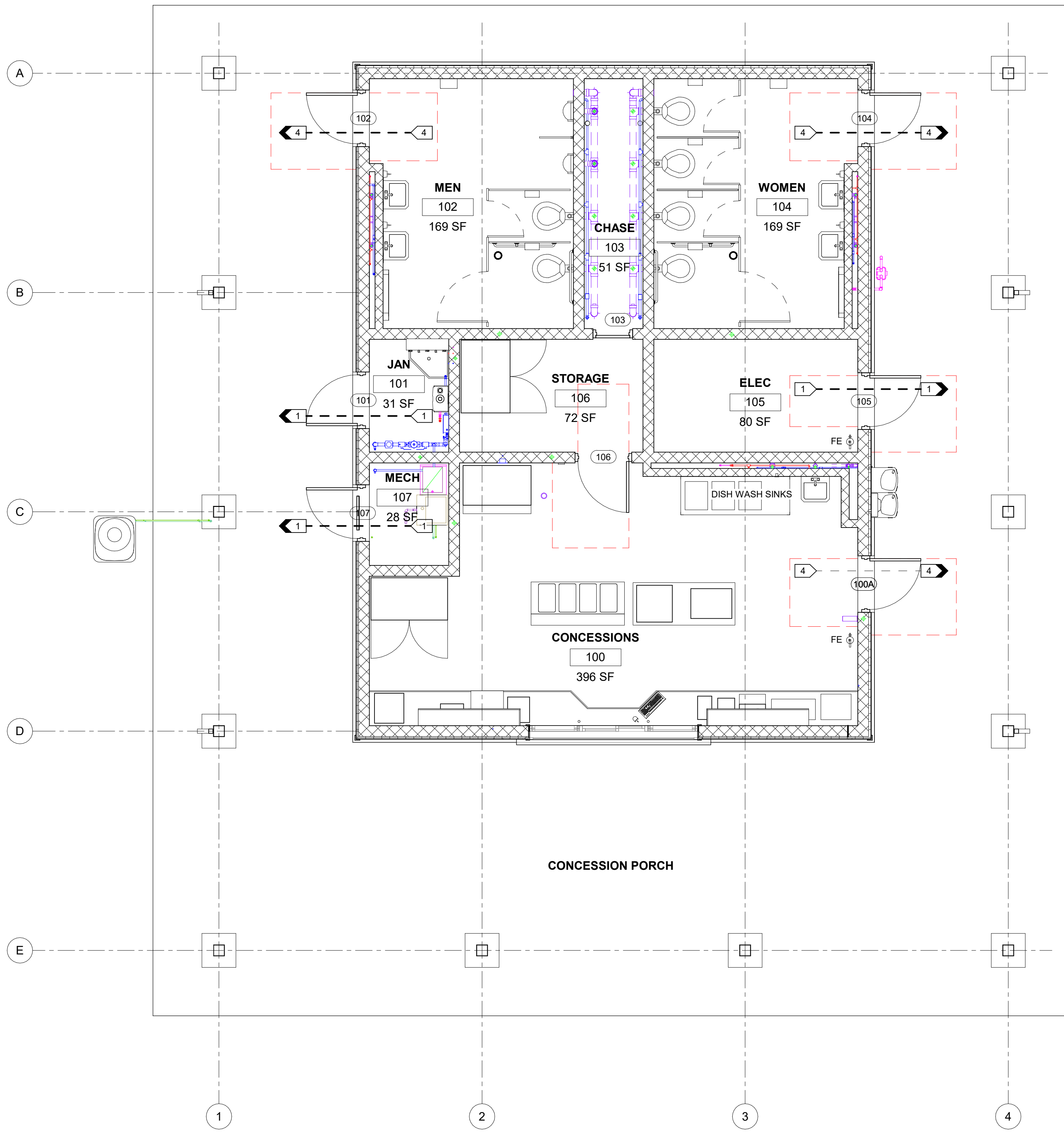
FOR THE  
CITY OF GUNTERSVILLE  
GUNTERSVILLE, ALABAMA  
ISSUED FOR BID

**BARGE**  
DESIGN SOLUTIONS

200 Clinton Avenue // Suite 800 // Huntsville, Alabama 35801  
PHONE (256) 533-1561 // FAX (256) 533-1564

**G0.01**  
PROJECT No.  
37106-05

USER:BDHEIGL  
FILE:F:\37106\371060504\_CAD\GENL\3710605\_Cover\_Phase 2.dwg  
SAVED:4/19/2023  
PLOTTED:4/21/2023



**1** CONCESSION / RESTROOM LIFE SAFETY PLAN PHASE 2  
G0.02

SCALE: 1/4" = 1'-0"

**BUILDING CODE INFORMATION**

PROJECT CODE REVIEW FOR:  
GUNTERSVILLE PARK  
CITY OF GUNTERSVILLE, ALABAMA

CONTACT  
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CITY OF GUNTERSVILLE

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BUILDING INSPECTION DEPARTMENT  
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GUNTERSVILLE, AL  
(256) 571-7564

APPLICABLE CODES  
2006 INTERNATIONAL BUILDING CODE, INCLUDING APPENDICES B,C,F,G,I AND J  
2007 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL  
ANSI/ASHRAE/IESNA STANDARD 90.1  
2000 INTERNATIONAL FIRE CODE AND 2001 SUPPLEMENT INCL. APPENDICES B,C,D,E,F AND G  
2006 INTERNATIONAL ELECTRICAL CODE  
2006 INTERNATIONAL PLUMBING CODE  
2006 INTERNATIONAL MECHANICAL CODE  
2006 INTERNATIONAL FUEL GAS CODE  
2010 AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES

MINIMUM DESIGN LOADS:  
SEE STRUCTURAL

OCCUPANCY CLASSIFICATION:  
CONCESSIONS AND RESTROOM BUILDING - GROUP B BUSINESS

TYPE OF CONSTRUCTION:  
TYPE II-B, UNSPRINKLERED

ALLOWABLE BUILDING HEIGHT:  
TABLE 503, GROUP B 55 FEET

ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE  
TABLE 503, GROUP B 4

ALLOWABLE AREA:  
TABLE 503, GROUP B 23,000

FIRE RESISTANCE RATING REQUIREMENTS:  
IBC (TABLE 601): TYPE II-B (UNPROTECTED/UNSPRINKLERED)  
0 HOUR: STRUCTURAL FRAME  
0 HOUR: EXTERIOR NON-BEARING WALLS AND PARTITIONS  
0 HOUR: INTERIOR NON-BEARING WALLS AND PARTITIONS  
0 HOUR: FLOOR CONSTRUCTION  
0 HOUR: ROOF CONSTRUCTION

OCCUPANCY SEPARATION:  
SINGLE OCCUPANCY / NOT APPLICABLE

ACTUAL GROSS FLOOR AREA (IBC DEFINITION):  
FIRST FLOOR: 1202 S.F.

SITE PLUMBING FIXTURE QUANTITY ASSESSMENT  
NUMBER OF PEOPLE ATTENDING AN EVENT  
NUMBER OF PLAYERS AND COACHES = 11 x 2 TEAMS PER EVENT = 22 PLAYERS x 2 FIELDS = 44 PEOPLE  
VIEWERS - ASSUME 2 PER PLAYER = 88 PEOPLE  
TOTAL NUMBER OF PEOPLE PER EVENT = 132 PEOPLE  
ADD PEOPLE IN AND AROUND SPLASHPAD = 68 PEOPLE  
TOTAL MAXIMUM PEOPLE IN THIS AREA = 200 PEOPLE

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES  
CONCESSIONS/RESTROOM BUILDING, ASSEMBLY (OUTDOOR SPORTING EVENTS)  
ASSUME 50/50 SPLIT FOR MALE & FEMALE

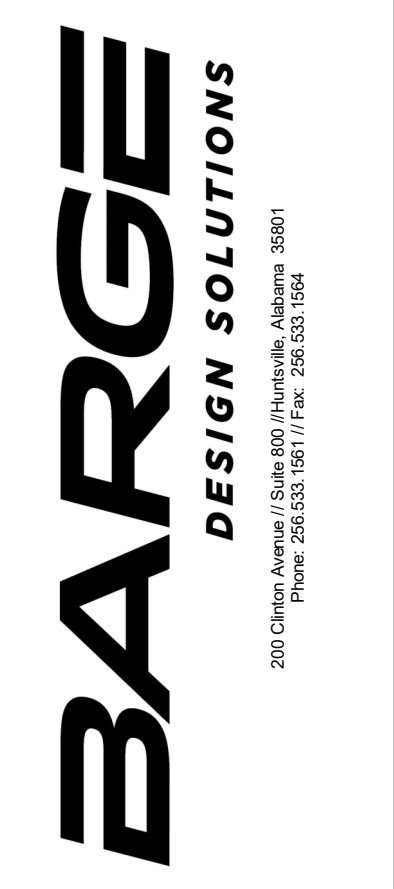
WATER CLOSETS 1/25 FOR FIRST 50, 1/50 FOR REMAINDER 5 MIN.  
MALE 2U + 1 WC  
FEMALE 3 WC

LAVATORIES 1/40 FOR FIRST 80, 1/80 FOR REMAINDER 4 MIN.  
MALE 2  
FEMALE 2

DRINKING FOUNTAINS 1  
SERVICE SINK 1

**LIFE SAFETY LEGEND**

- # → QUANTITY OF OCCUPANTS IN AREA
- # → QUANTITY OF OCCUPANTS AT POINT OF EGRESS
- FE BRACKET MOUNTED FIRE EXTINGUISHER W/ 10LB, ABC DRY CHEMICAL EXTINGUISHER - HANDLE 42" AFF



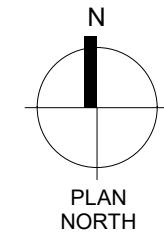
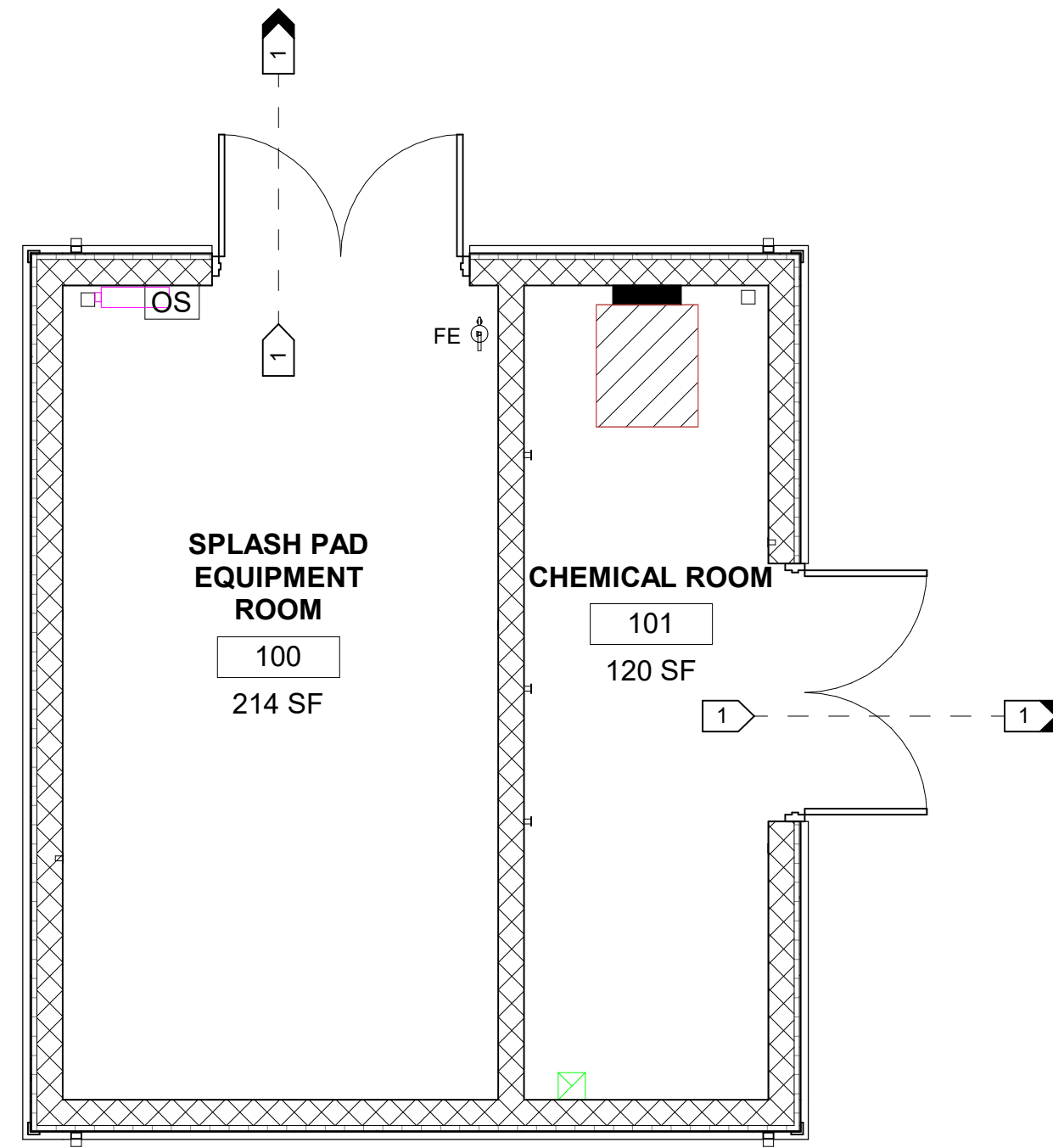
CONCESSION / RESTROOM LIFE SAFETY PLAN  
 CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DESCRIPTION
REV	CHK	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID

**G0.02**  
FILE NO. 37106-01

Drawing Set: 1.0  
 Drawing: G0.02 CONCESSION / RESTROOM LIFE SAFETY PLAN  
 File: G0.02\_Consession Restroom Life Safety Plan.dwg  
 Date: 4/21/2023 9:17:44 AM

Drawing Set: 1.0  
 Drawing: G0.03 - SPLASH PAD EQUIPMENT BUILDING - LIFE SAFETY PLAN  
 File: G0.03.dwg  
 Date: 4/21/2023 9:45:43 AM  
 User: J.Kerry



**1 LIFE SAFETY PLAN**

G0.03 SCALE: 1/4" = 1'-0"

**BUILDING CODE INFORMATION**

**PROJECT CODE REVIEW FOR:**  
GUNTERSVILLE PARK  
CITY OF GUNTERSVILLE, ALABAMA

**CONTACT:**  
MATT BRYANT - PARKS DIRECTOR  
CITY OF GUNTERSVILLE

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341 GUNTER AVENUE 35976  
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ANSI/ASHRAE/IESNA STANDARD 90.1  
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2006 INTERNATIONAL ELECTRICAL CODE  
2006 INTERNATIONAL PLUMBING CODE  
2006 INTERNATIONAL MECHANICAL CODE  
2006 INTERNATIONAL FUEL GAS CODE  
2010 AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES

**MINIMUM DESIGN LOADS:**  
LIVE LOADS - SEE STRUCTURAL

**OCCUPANCY CLASSIFICATION:**  
SPLASH PAD EQUIPMENT BUILDING - GROUP U UTILITY

**TYPE OF CONSTRUCTION:**  
TYPE II-B, UNSPRINKLERED

**ALLOWABLE BUILDING HEIGHT:**  
TABLE 503, GROUP U 55 FEET

**ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE:**  
TABLE 503, GROUP U 2

**ALLOWABLE AREA:**  
TABLE 503, GROUP U 8,500

**FIRE RESISTANCE RATING REQUIREMENTS:**  
IBC (TABLE 601): TYPE II-B (UNPROTECTED/UNSPRINKLERED)  
0 HOUR: STRUCTURAL FRAME  
0 HOUR: EXTERIOR NON-BEARING WALLS AND PARTITIONS  
0 HOUR: INTERIOR NON-BEARING WALLS AND PARTITIONS  
0 HOUR: FLOOR CONSTRUCTION  
0 HOUR: ROOF CONSTRUCTION

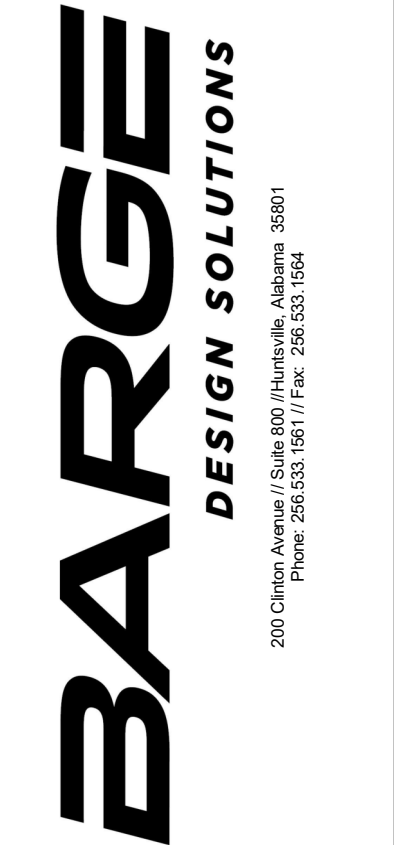
**OCCUPANCY SEPARATION:**  
SINGLE OCCUPANCY / NOT APPLICABLE

**ACTUAL GROSS FLOOR AREA (IBC DEFINITION):**  
FIRST FLOOR: 408 S.F.

**MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES:**  
NOT APPLICABLE FOR GROUP U OCCUPANCY

**LIFE SAFETY LEGEND**

- # IN AREA QUANTITY OF OCCUPANTS
- # AT POINT OF EGRESS QUANTITY OF OCCUPANTS
- FE BRACKET MOUNTED FIRE EXTINGUISHER W/ 10LB, ABC DRY CHEMICAL EXTINGUISHER - HANDLE 42" AFF



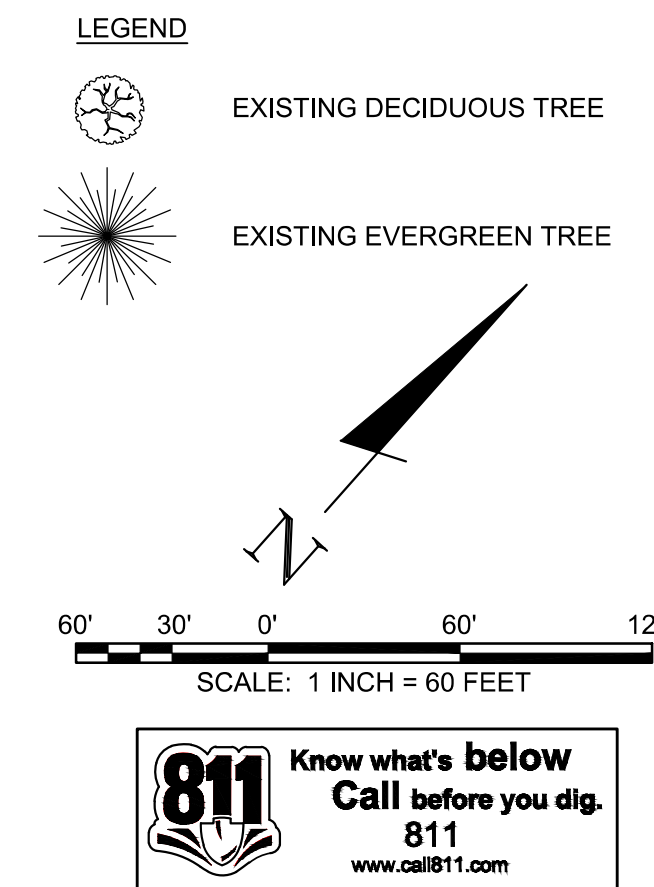
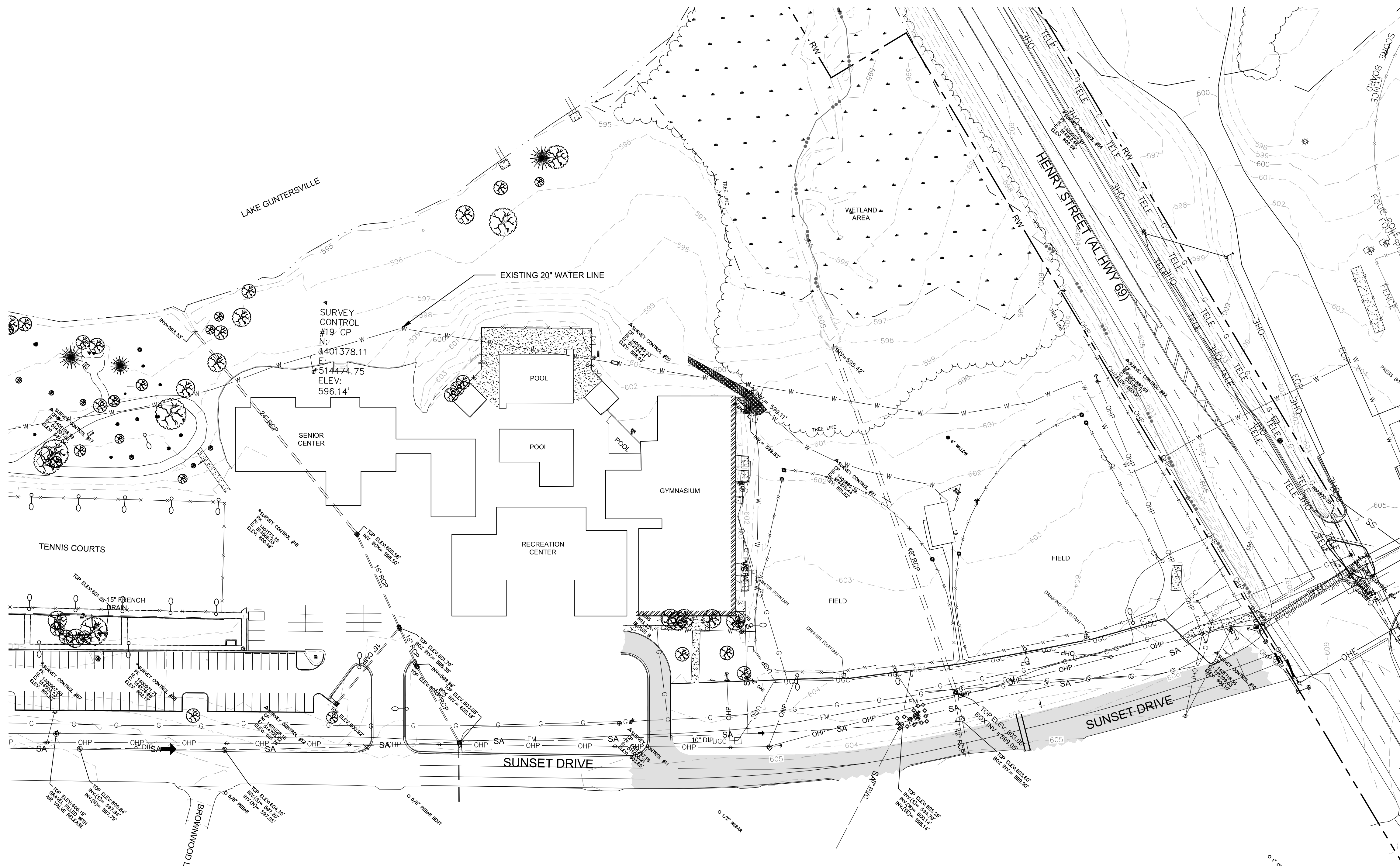
SPLASH PAD EQUIPMENT BUILDING - LIFE SAFETY PLAN  
 CITY OF GUNTERSVILLE

GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REV	DR	CHK	DATE	DESCRIPTION
0	AJ	KO	4/21/2023	ISSUED FOR BID

**G0.03**  
FILE NO. 3710601





**LEGEND - EXISTING (SURVEY)**

**MAPPING SYMBOLS AND CODES**

- [Symbol] CATCH BASIN (CB)
- [Symbol] CABLE TELEVISION (CATV)
- [Symbol] DOUBLE CATCH BASIN (DCB)
- [Symbol] TRIPLE CATCH BASIN (TCB)
- [Symbol] FINISHED FLOOR ELEVATION (F.F.E.)
- [Symbol] FIRE HYDRANT (FH)
- [Symbol] GAS METER (GM)
- [Symbol] GUY POLE (GP)
- [Symbol] GAS VALVE (GV)
- [Symbol] GUY WIRE (GW)
- [Symbol] IRON ROD NEW (IR(N))
- [Symbol] IRON ROD OLD (IR(O))
- [Symbol] IRON PIPE OLD (IP(O))
- [Symbol] IRON SPIKE OLD (IS(O))
- [Symbol] LIGHT STANDARD METAL/WOOD (LS/LP)
- [Symbol] MAIL BOX (MB)
- [Symbol] MANHOLE (MH)
- [Symbol] CONCRETE MONUMENT OLD (MON(O))
- [Symbol] CONCRETE MONUMENT NEW (MON(N))
- [Symbol] P.K. NAIL OLD (PK(O))
- [Symbol] P.K. NAIL NEW (PK(N))
- [Symbol] POST INDICATOR VALVE (PIV)
- [Symbol] POWER LIGHT POLE (PLP)
- [Symbol] POWER MANHOLE (PMH)
- [Symbol] POWER POLE (PP)
- [Symbol] POWER TELEPHONE LIGHT POLE (PTLP)
- [Symbol] POWER TELEPHONE POLE (PTP)
- [Symbol] RIGHT-OF-WAY MONUMENT (RWM)
- [Symbol] SANITARY SEWER MANHOLE (SAMH)
- [Symbol] SIGN (SN)
- [Symbol] STORMWATER MANHOLE (SWMH)
- [Symbol] TELEPHONE JUNCTION BOX (TJB)
- [Symbol] TELEPHONE LIGHT POLE (TLP)
- [Symbol] TELEPHONE POLE (TP)
- [Symbol] WATER METER (WM)
- [Symbol] WATER VALVE (WV)

**SURVEY LINE STYLES**

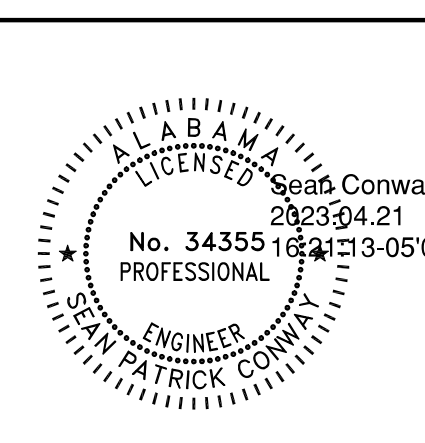
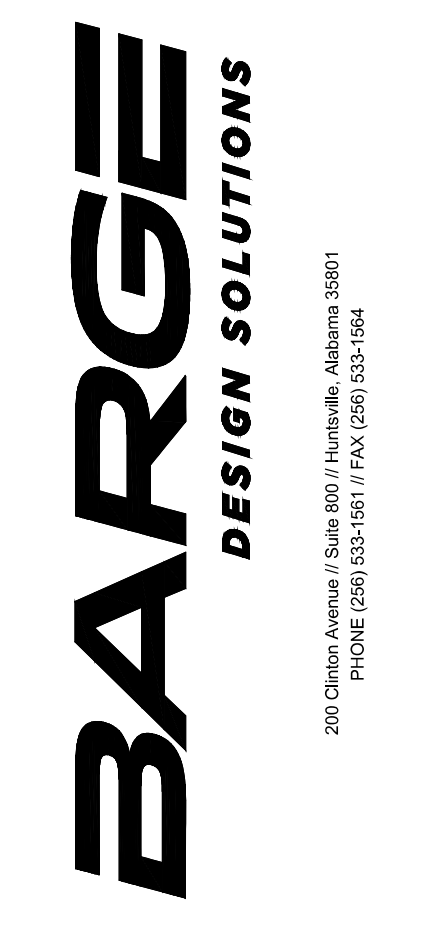
CENTERLINE	[Symbol]
EDGE OF WOODS LINE	[Symbol]
EASEMENT LINE	[Symbol]
FENCE LINE	[Symbol]
GAS LINE	[Symbol]
OVERHEAD POWER LINE	[Symbol]
OVERHEAD TELEPHONE LINE	[Symbol]
OVERHEAD POWER AND TELEPHONE LINE	[Symbol]
PROPERTY LINE	[Symbol]
SANITARY SEWER LINE	[Symbol]
STORMWATER LINE	[Symbol]
UNDERGROUND POWER LINE	[Symbol]
UNDERGROUND TELEPHONE LINE	[Symbol]
WATER LINE	[Symbol]
GUARDRAIL	[Symbol]
EDGE OF WATER	[Symbol]
CONTOURS	[Symbol]
STREAM	[Symbol]
WETLAND	[Symbol]

**OVERALL EXISTING CONDITIONS**

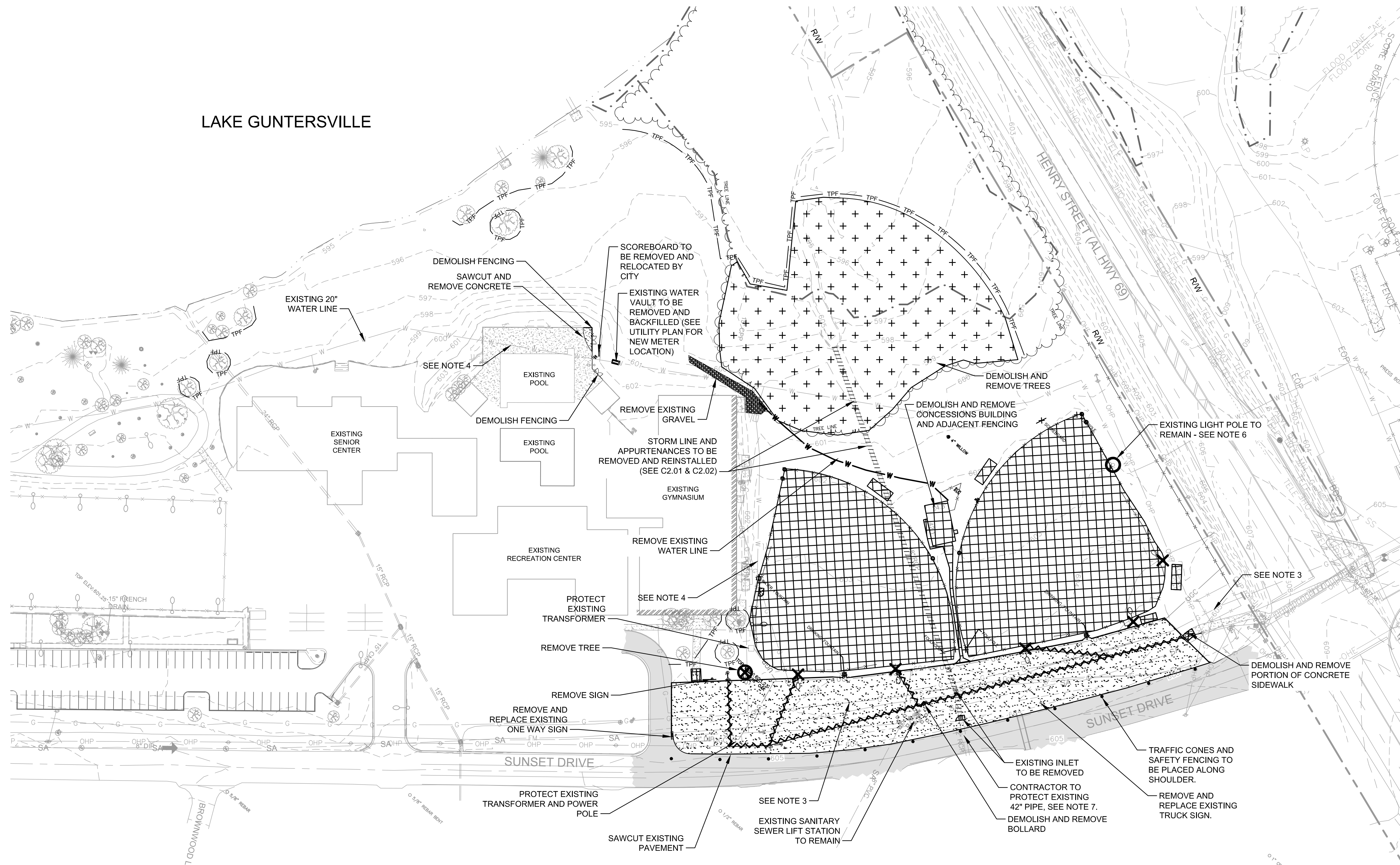
**CITY OF GUNTERVILLE  
 GUNTERVILLE PARK - PHASE 2**  
 GUNTERVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION	ISSUED FOR
0	HC	SC	04/21/2023		

**C0.21**  
 FILE NO. 37106-05



LAKE GUNTERSVILLE



NOTES:

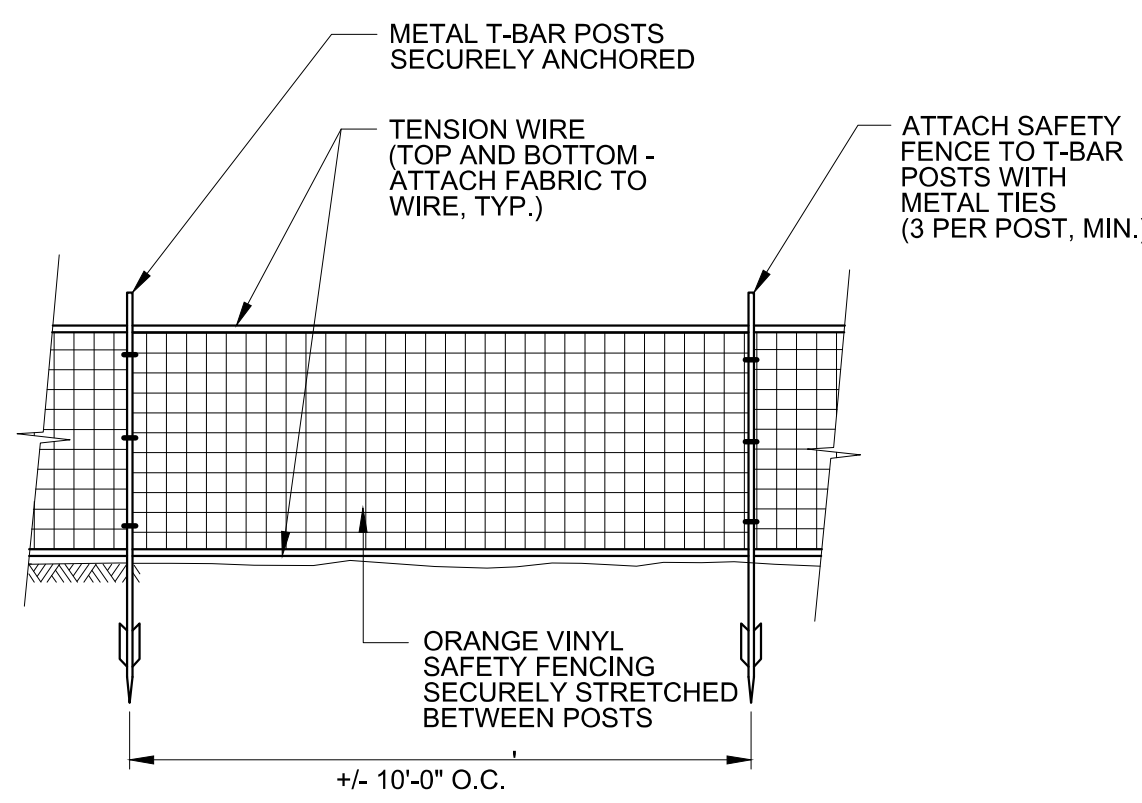
- CONTRACTOR TO REMOVE ASPHALT AND GRAVEL BASE OF PARKING LOT IN ALL AREAS PROPOSED FOR LANDSCAPING AND GRASS. FOLLOWING REMOVAL, CONTRACTOR TO BREAK UP COMPACTED SUBGRADE / HARDPAN AND PERFORM WATER PERCOLATION TEST PRIOR TO APPLYING TOPSOIL TO LANDSCAPE AREAS.
- TREE REMOVAL FOR THE PROJECT SHALL BE RESTRICTED TO BE PERFORMED BETWEEN NOVEMBER 15TH AND MARCH 15TH TO AVOID THE POTENTIAL FOR ADVERSE EFFECTS TO FEDERALLY LISTED BAT SPECIES.
- CONTRACTOR TO LOCATE EXISTING GAS LINE AND MARK LOCATION WITH SEMI-PERMANENT PAINT. CONTRACTOR IS ADVISED TO EXERCISE EXTREME CAUTION WHEN WORKING IN THIS AREA AND TO PREVENT DAMAGE TO THE GAS LINE DURING CONSTRUCTION ACTIVITIES. ANY DAMAGE TO THE GAS LINE AS A RESULT OF SAID ACTIVITIES SHALL BE REPAIRED IMMEDIATELY TO RESTORE SERVICE AT NO COST TO THE OWNER.
- CONTRACTOR TO LOCATE EXISTING WATER LINE AND MARK LOCATION WITH SEMI-PERMANENT PAINT. CONTRACTOR IS ADVISED TO EXERCISE EXTREME CAUTION WHEN WORKING IN THIS AREA AND TO PROTECT THE WATER LINE DURING CONSTRUCTION ACTIVITIES. ANY DAMAGE TO THE WATER LINE AS A RESULT OF SAID ACTIVITIES SHALL BE REPAIRED IMMEDIATELY TO RESTORE SERVICE AT NO COST TO THE OWNER.
- EXISTING CONCRETE LIGHT POLES AND FIELD LIGHTING FIXTURES ARE TO BE REMOVED BY OTHERS AND STORED FOR THE CITY OF GUNTERSVILLE. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROTECT THE EXISTING FIELD LIGHTS DURING CONSTRUCTION UNTIL THEY HAVE BEEN REMOVED.
- EXISTING LIGHT POLE TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE INFORMATION SHOWN ON THESE PLANS WILL NOT ALLOW FOR THE PRESERVATION OF THE EXISTING POLE.
- INSTALL NEW STORM PIPE TO DEMOLISHING EXISTING STORM PIPE.

TREE PROTECTION NOTES:

- ALL TREE PROTECTION SHALL BE INSTALLED PRIOR TO AND MAINTAINED THROUGHOUT THE LAND DISTURBING AND CONSTRUCTION PROCESS AND NOT BE REMOVED UNTIL FINAL LANDSCAPING IS INSTALLED.
- TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH TREE PROTECTION FENCING DETAIL ON THIS SHEET.
- THE TREE PROTECTION AREA SHALL INCLUDE NO LESS THAN THE TOTAL AREA BENEATH THE TREE CANOPY AS DEFINED BY THE DRIPLINE OF THE TREES.
- PROHIBITED ACTIVITIES WITHIN A TREE PROTECTION AREA INCLUDE, BUT ARE NOT LIMITED TO, PARKING, MATERIALS STORAGE, CONCRETE WASHOUT, PORTABLE TOILET PLACEMENT, SOIL COMPACTION AND PLACING OF WASTE MATERIAL.
- ROOT DISTURBANCE DUE TO CUTS OR FILL SHALL NOT BE ALLOWED WITHIN A TREE PROTECTION AREA. ALL EXPOSED ROOTS ONE INCH AND GREATER IN DIAMETER AT THE EDGE OF THE TREE PROTECTION AREA SHALL BE PRUNED WITH A CLEAN CUT FLUSH TO SOIL EDGE.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN A MANNER DESIGNED TO PREVENT THE ACCUMULATION OF SEDIMENT WITHIN A TREE PROTECTION AREA.

TRAFFIC CONTROL NOTES:

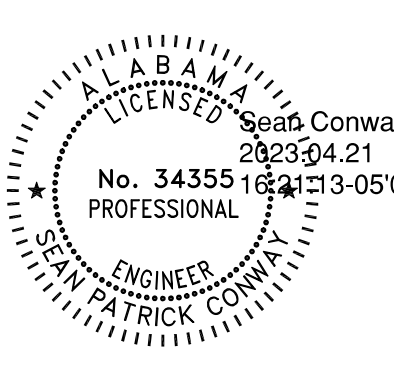
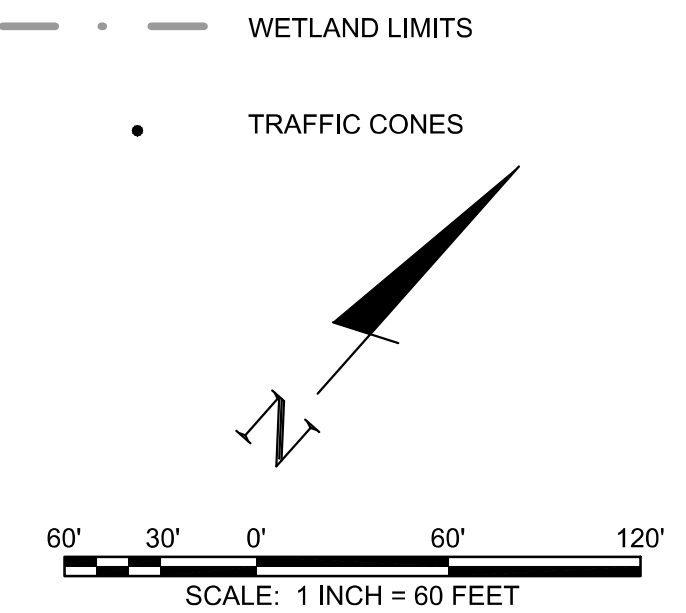
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE TEMPORARY TRAFFIC CONTROL MEASURES WITH THE CITY OF GUNTERSVILLE TO ENSURE OPERATIONS ARE NOT IMPACTED. IF ANY TEMPORARY IMPACTS ARE NECESSARY, CONTRACTOR SHALL OBTAIN CITY APPROVAL PRIOR TO IMPACT.
- ALL TRAFFIC CONTROL DEVICES USED FOR THE ROADWAY AND UTILITY CONSTRUCTION SHALL CONFORM TO PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. CONSTRUCTION WARNING SIGNS SHALL BE THE SIZE "STANDARD". FOR DETAILS OF CONSTRUCTION SIGNS SEE THE APPROPRIATE ALDOT SPECIAL DRAWINGS.
- ALL PUBLIC RIGHTS-OF-WAY SHALL BE CLEAR OF OBSTRUCTIONS. CONTRACTOR EQUIPMENT AND MATERIALS SHALL NOT BE STORED/STAGED ON PUBLIC RIGHTS-OF-WAY.



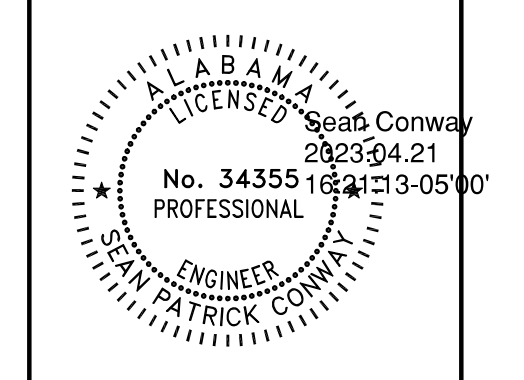
1 TREE PROTECTION FENCING DETAIL  
C0.41 N.T.S.

LEGEND

- DEMOLISH AND REMOVE EXISTING PAVEMENT AND CURBS
- DEMOLISH AND REMOVE EXISTING BALL FIELD, FENCING, SIDEWALK, STRUCTURES, WATER FOUNTAINS AND LIGHTS
- TREE REMOVAL
- DEMOLISH AND REMOVE OVERHEAD POWER LINE
- DEMOLISH AND REMOVE EXISTING WATER LINE
- DEMOLISH AND REMOVE STORM PIPE
- REMOVE EXISTING TREE
- REMOVE EXISTING LIGHT POLE
- TREE PROTECTION FENCING (SEE DETAIL THIS SHEET)
- WETLAND LIMITS
- TRAFFIC CONES



REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID



OVERALL SITE KEY PLAN

CITY OF GUNTERSVILLE  
GUNTERVILLE PARK - PHASE 2  
GUNTERVILLE, ALABAMA

REV.	CHK.	DATE	DESCRIPTION
0	DR.	04/27/2023	ISSUED FOR BID

**C1.00**

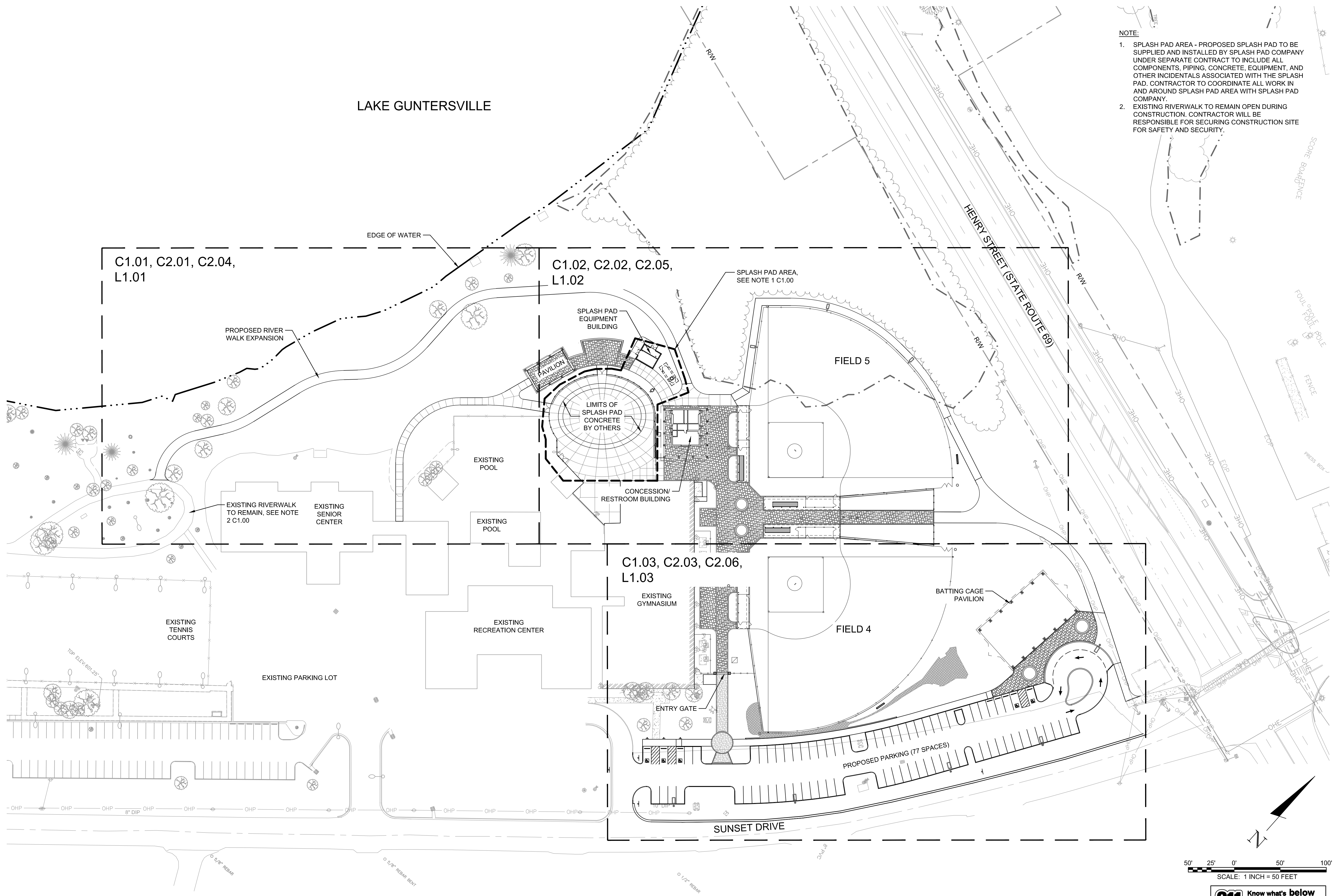
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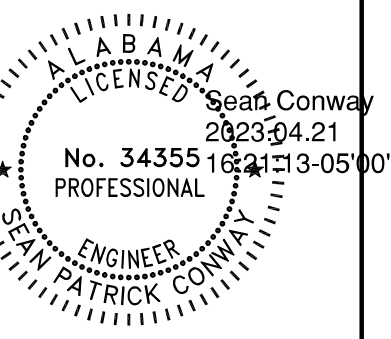
NOTE:

1. SPLASH PAD AREA - PROPOSED SPLASH PAD TO BE SUPPLIED AND INSTALLED BY SPLASH PAD COMPANY UNDER SEPARATE CONTRACT TO INCLUDE ALL COMPONENTS, PIPING, CONCRETE, EQUIPMENT, AND OTHER INCIDENTALS ASSOCIATED WITH THE SPLASH PAD. CONTRACTOR TO COORDINATE ALL WORK IN AND AROUND SPLASH PAD AREA WITH SPLASH PAD COMPANY.
2. EXISTING RIVERWALK TO REMAIN OPEN DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR SECURING CONSTRUCTION SITE FOR SAFETY AND SECURITY.

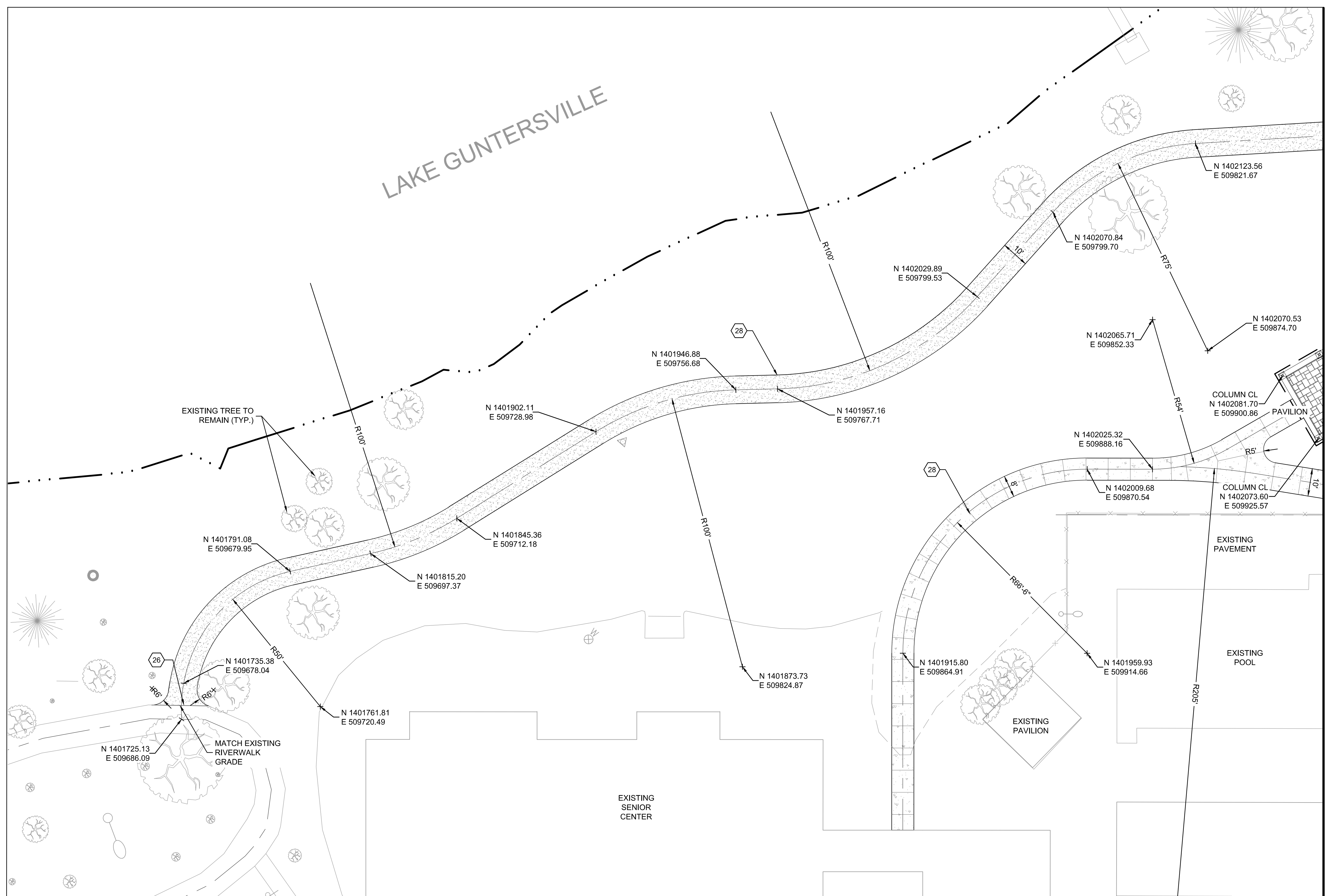
LAKE GUNTERSVILLE



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SAVED: 4/27/2023  
PLOTTED: 4/27/2023



**SITE LAYOUT PLAN**  
**CITY OF GUNTERSVILLE**  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA



**LEGEND**

- 1 DUGOUT (TYP), SEE SHEET L7.03
- 2 BLEACHERS (TYP), SEE SCHEDULE L7.01
- 3 MAIN ENTRY GATE / PLAZA, SEE DETAIL 6/L7.05
- 4 DROP-OFF AREA
- 5 EXISTING ENTRY DRIVE
- 6 PEDESTRIAN CONCRETE WALK (TYP), SEE DETAIL 1/C7.01
- 7 FLAGPOLE, SEE DETAIL 2/C7.02
- 8 ENTRY COLUMNS, SEE DETAIL 1/C7.02
- 9 BATTING CAGE PAVILION, SEE ARCHITECTURAL
- 10 ACCESSIBLE PARKING SPACES, SEE DETAILS 1,2,3/C7.03
- 11 TURN DOWN SLAB CONCRETE WALK, SEE DETAIL 3/C7.02
- 12 FIELD GATE, SEE DETAIL 2/L7.04
- 13 SCOREBOARDS, SEE SCHEDULE 1/L7.01
- 14 CONCRETE CURB (TYP), SEE DETAIL 4/C7.02
- 15 CONCRETE WHEEL STOP, SEE DETAIL 1/C7.04

- 16 ORNAMENTAL SWING GATE, SEE DETAIL 2/L7.06
- 17 MOUNTABLE CONCRETE CURB, SEE DETAIL 5/C7.02
- 18 EXISTING ASPHALT TO REMAIN
- 19 SEATWALL, SEE DETAIL 7A/C7.01 & 7D/C7.01 FOR WALL INSIDE SPLASH PAD FENCE
- 20 RETAINING SEAT WALL, SEE DETAIL 7C/C7.01
- 21 RAISED PLANTER WALL, SEE DETAIL 7B/C7.01
- 22 PERIMETER ACCENT BAND, SEE DETAIL 1/L7.05
- 23 ACCESSIBLE RAMP, SEE DETAIL 4/C7.03

- 24 STOP SIGN, SEE DETAIL 6/C7.02
- 25 BOLLARD, SEE DETAIL 5A/C7.01
- 26 PAVEMENT FLUSH WITH WALK, SEE DETAIL 1/C7.03
- 27 FLUSH CURB @ PAVEMENT EDGE, SEE DETAIL 4/L7.05
- 28 ASPHALT TRAIL, SEE DETAIL 3/C7.01
- 29 REMOVABLE BOLLARD, SEE DETAIL 5B/C7.01
- 30 ORNAMENTAL FENCE, SEE SHEET L7.06
- 31 ORNAMENTAL SLIDING GATE, SEE SHEET L7.07
- 32 4' HT. CHAIN LINK FENCE, SEE DETAIL 1/L7.04

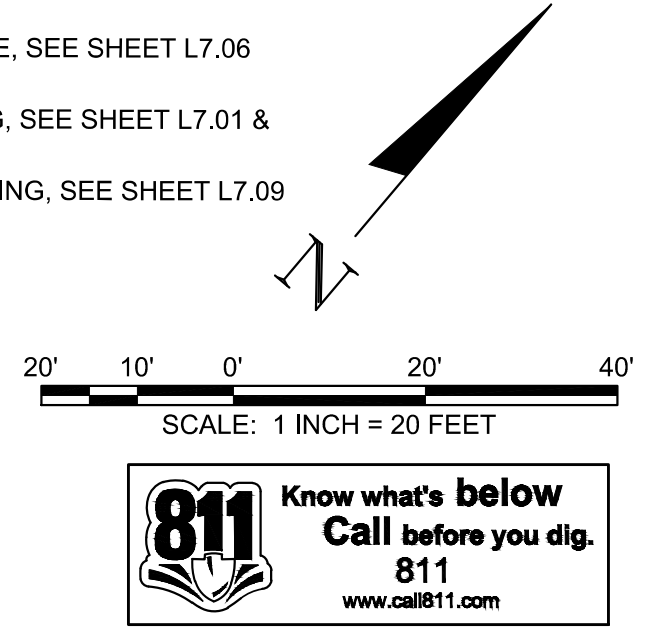
**PAVER BAND INFORMATION**  
 PAVER BAND 'A' - SEE DETAIL 1 / L7.05  
 PAVER BAND 'B' - SEE DETAIL 2 / L7.05  
 PAVER BAND 'C' - SEE DETAIL 8 / L7.05

**KEY**

- PROPOSED ASPHALT, SEE DETAIL 3/C7.01
- PROPOSED HEAVY DUTY ASPHALT, SEE DETAIL 4/C7.01
- PROPOSED CONCRETE PAVERS, SEE SHEET L7.05
- PROPOSED CONCRETE, SEE DETAIL 1/C7.01
- ELEVATED BOARDWALK, SEE SHEET XXX

**FENCE SCHEDULE**

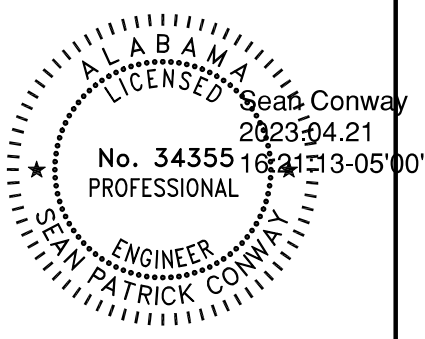
- ORNAMENTAL FENCE, SEE SHEET L7.06
- CHAIN LINK FENCING, SEE SHEET L7.01 & L7.04
- SPORTS FIELD NETTING, SEE SHEET L7.09



REVISION INFORMATION	
NO.	DESCRIPTION

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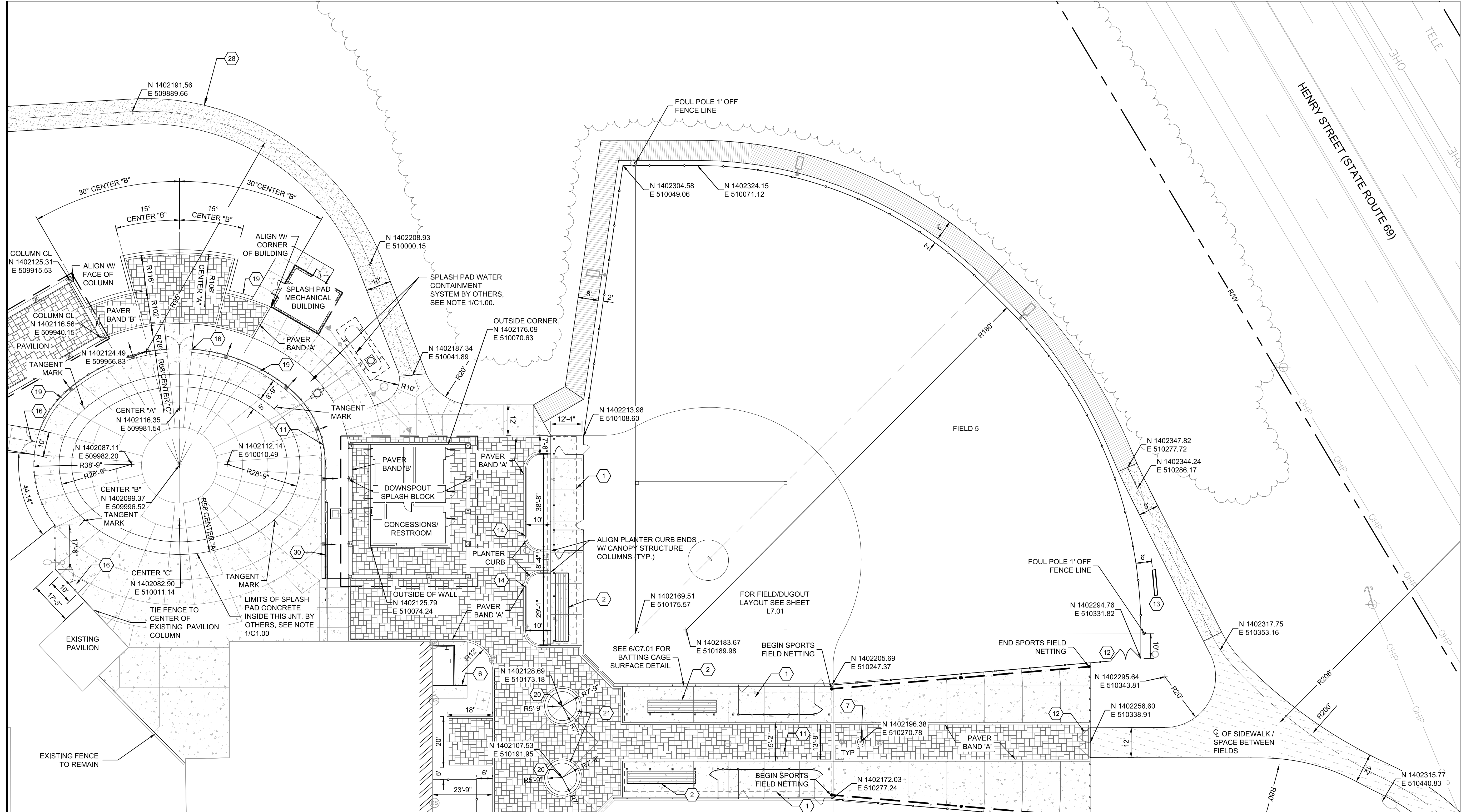




PLAZA LAYOUT PLAN  
 CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

REV.	DATE	DESCRIPTION	ISSUED FOR
0	04/21/2023	ISSUED FOR BID	

**C1.02**  
 FILE NO. 37106-05



MATCHLINE - SEE SHEET C1.01

MATCHLINE - SEE SHEET C1.03

**LEGEND**

- 1 DUGOUT (TYP.), SEE SHEET L7.03
- 2 BLEACHERS (TYP.), SEE SCHEDULE L7.01
- 3 MAIN ENTRY GATE / PLAZA, SEE DETAIL 6/L7.05
- 4 DROP-OFF AREA
- 5 EXISTING ENTRY DRIVE
- 6 PEDESTRIAN CONCRETE WALK (TYP.), SEE DETAIL 1/C7.01
- 7 FLAGPOLE, SEE DETAIL 2/C7.02
- 8 ENTRY COLUMNS, SEE DETAIL 1/C7.02
- 9 BATTING CAGE PAVILION, SEE ARCHITECTURAL
- 10 ACCESSIBLE PARKING SPACES, SEE DETAILS 1,2,3/C7.03
- 11 TURN DOWN SLAB CONCRETE WALK, SEE DETAIL 3/C7.02
- 12 FIELD GATE, SEE DETAIL 2/L7.04
- 13 SCOREBOARDS, SEE SCHEDULE 1/L7.01
- 14 CONCRETE CURB (TYP.), SEE DETAIL 4/C7.02
- 15 CONCRETE WHEEL STOP, SEE DETAIL 1/C7.04
- 16 ORNAMENTAL SWING GATE, SEE DETAIL 2/L7.06
- 17 MOUNTABLE CONCRETE CURB, SEE DETAIL 5/C7.02
- 18 EXISTING ASPHALT TO REMAIN
- 19 SEATWALL, SEE DETAIL 7A/C7.01 & 7D/C7.01 FOR WALL INSIDE SPLASH PAD FENCE
- 20 RETAINING SEAT WALL, SEE DETAIL 7C/C7.01
- 21 RAISED PLANTER WALL, SEE DETAIL 7B/C7.01
- 22 PERIMETER ACCENT BAND, SEE DETAIL 1/L7.05
- 23 ACCESSIBLE RAMP, SEE DETAIL 4/C7.03
- 24 STOP SIGN, SEE DETAIL 6/C7.02
- 25 BOLLARD, SEE DETAIL 5A/C7.01
- 26 PAVEMENT FLUSH WITH WALK, SEE DETAIL 1/C7.03
- 27 FLUSH CURB @ PAVER EDGE, SEE DETAIL 4/L7.05
- 28 ASPHALT TRAIL, SEE DETAIL 3/C7.01
- 29 REMOVABLE BOLLARD, SEE DETAIL 5B/C7.01
- 30 ORNAMENTAL FENCE, SEE SHEET L7.06
- 31 ORNAMENTAL SLIDING GATE, SEE SHEET L7.07
- 32 4' HT. CHAIN LINK FENCE, SEE DETAIL 1/L7.04
- 33 4' HT. x 4' WIDE CHAIN LINK GATE, SEE DETAIL L7.04

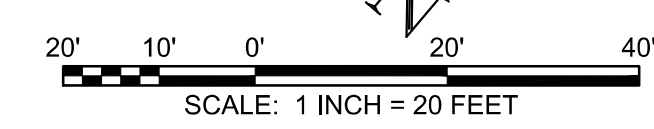
**PAVER BAND INFORMATION**  
 PAVER BAND 'A' - SEE DETAIL 1 / L7.05  
 PAVER BAND 'B' - SEE DETAIL 2 / L7.05  
 PAVER BAND 'C' - SEE DETAIL 8 / L7.05

**KEY**

- PROPOSED ASPHALT, SEE DETAIL 3/C7.01
- PROPOSED HEAVY DUTY ASPHALT, SEE DETAIL 4/C7.01
- PROPOSED CONCRETE PAVERS, SEE SHEET L7.05
- PROPOSED CONCRETE, SEE DETAIL 1/C7.01
- ELEVATED BOARDWALK, SEE SHEET XXX

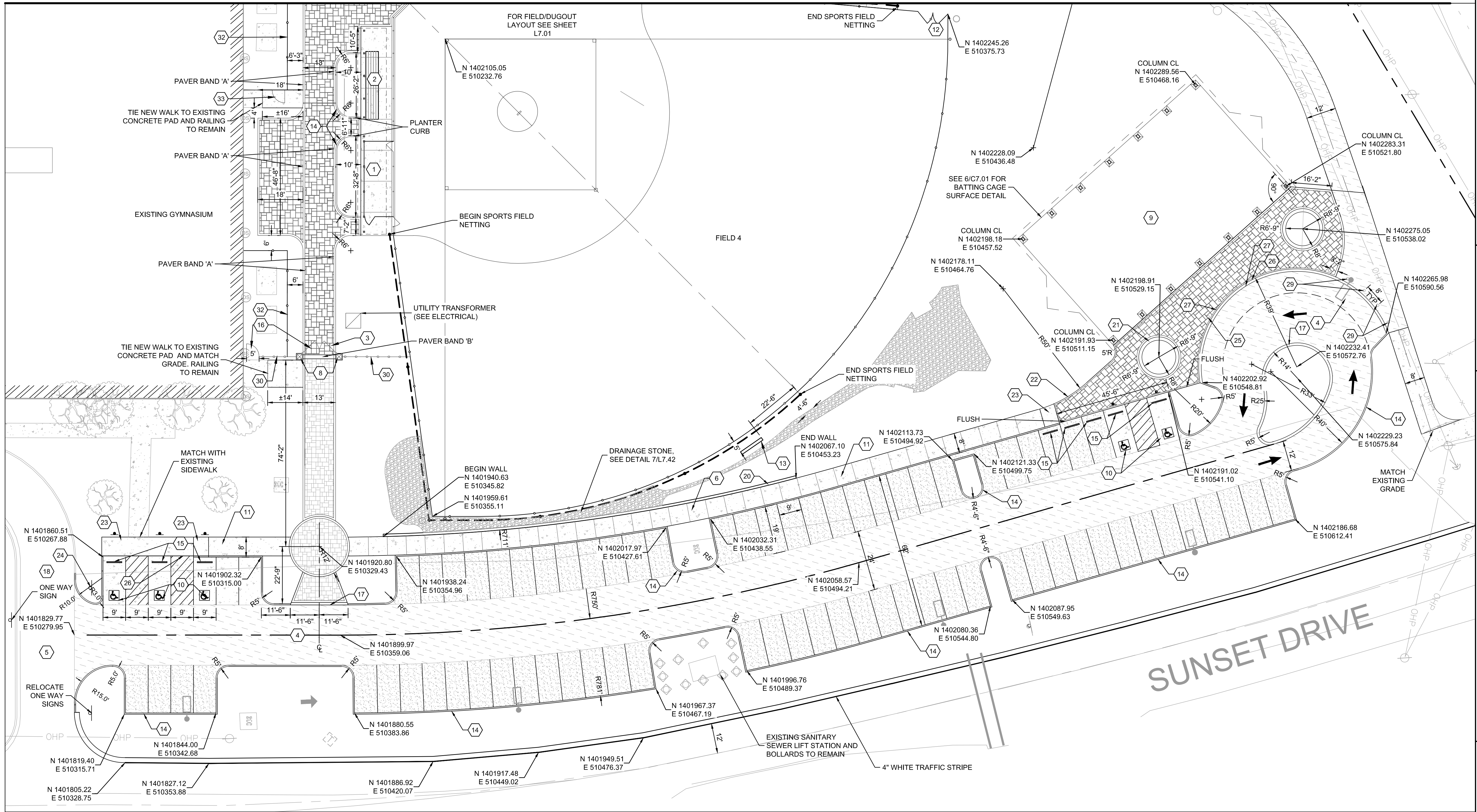
**FENCE SCHEDULE**

- ORNAMENTAL FENCE, SEE SHEET L7.06
- CHAIN LINK FENCING, SEE SHEET L7.01 & L7.04
- SPORTS FIELD NETTING, SEE SHEET L7.09

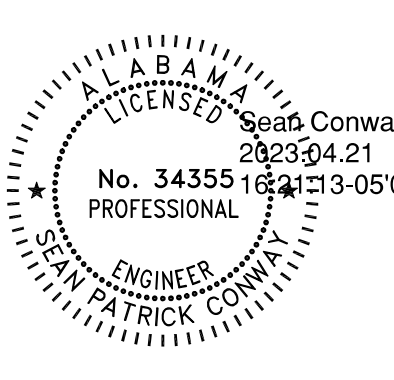


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 SAVER:4/21/2023  
 PLOTTED:4/21/2023

MATCHLINE - SEE SHEET C2.02



**BARGE**  
DESIGN SOLUTIONS



PLAZA LAYOUT PLAN  
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

**LEGEND**

- 1 DUGOUT (TYP), SEE SHEET L7.03
- 2 BLEACHERS (TYP), SEE SCHEDULE L7.01
- 3 MAIN ENTRY GATE / PLAZA, SEE DETAIL 6/L7.05
- 4 DROP-OFF AREA
- 5 EXISTING ENTRY DRIVE
- 6 PEDESTRIAN CONCRETE WALK (TYP), SEE DETAIL 1/C7.01
- 7 FLAGPOLE, SEE DETAIL 2/C7.02
- 8 ENTRY COLUMNS, SEE DETAIL 1/C7.02
- 9 BATTING CAGE PAVILION, SEE ARCHITECTURAL
- 10 ACCESSIBLE PARKING SPACES, SEE DETAILS 1,2,3/C7.03
- 11 TURN DOWN SLAB CONCRETE WALK, SEE DETAIL 3/C7.02
- 12 FIELD GATE, SEE DETAIL 2/L7.04
- 13 SCOREBOARDS, SEE SCHEDULE 1/L7.01
- 14 CONCRETE CURB (TYP), SEE DETAIL 4/C7.02
- 15 CONCRETE WHEEL STOP, SEE DETAIL 1/C7.04

- 16 ORNAMENTAL SWING GATE, SEE DETAIL 2/L7.06
- 17 MOUNTABLE CONCRETE CURB, SEE DETAIL 5/C7.02
- 18 EXISTING ASPHALT TO REMAIN
- 19 SEATWALL, SEE DETAIL 7A/C7.01 & 7D/C7.01 FOR WALL INSIDE SPLASH PAD FENCE
- 20 RETAINING SEAT WALL, SEE DETAIL 7C/C7.01
- 21 RAISED PLANTER WALL, SEE DETAIL 7B/C7.01
- 22 PERIMETER ACCENT BAND, SEE DETAIL 1/L7.05
- 23 ACCESSIBLE RAMP, SEE DETAIL 4/C7.03
- 24 STOP SIGN, SEE DETAIL 6/C7.02

- 25 BOLLARD, SEE DETAIL 5A/C7.01
- 26 PAVEMENT FLUSH WITH WALK, SEE DETAIL 1/C7.03
- 27 FLUSH CURB @ PAVER EDGE, SEE DETAIL 4/L7.05
- 28 ASPHALT TRAIL, SEE DETAIL 3/C7.01
- 29 REMOVABLE BOLLARD, SEE DETAIL 5B/C7.01
- 30 ORNAMENTAL FENCE, SEE SHEET L7.06
- 31 ORNAMENTAL SLIDING GATE, SEE SHEET L7.07
- 32 4' HT. CHAIN LINK FENCE, SEE DETAIL 1/L7.04
- 33 4' HT. x 4' WIDE CHAIN LINK GATE, SEE DETAIL L7.04

**PAVER BAND INFORMATION**

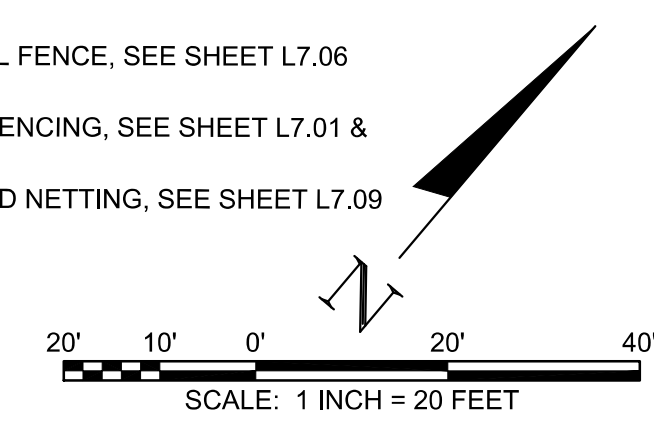
PAVER BAND 'A' - SEE DETAIL 1 / L7.05  
PAVER BAND 'B' - SEE DETAIL 2 / L7.05  
PAVER BAND 'C' - SEE DETAIL 8 / L7.05

**FENCE SCHEDULE**

- ORNAMENTAL FENCE, SEE SHEET L7.06
- CHAIN LINK FENCING, SEE SHEET L7.01 & L7.04
- SPORTS FIELD NETTING, SEE SHEET L7.09

**KEY**

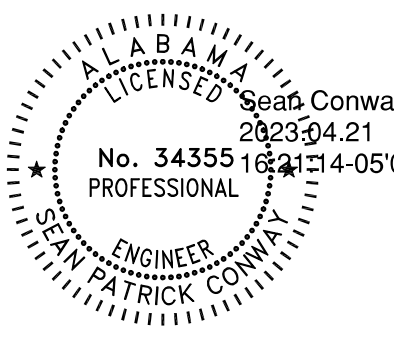
- PROPOSED ASPHALT, SEE DETAIL 3/C7.01
- PROPOSED HEAVY DUTY ASPHALT, SEE DETAIL 4/C7.01
- PROPOSED CONCRETE PAVERS, SEE SHEET L7.05
- PROPOSED CONCRETE, SEE DETAIL 1/C7.01
- ELEVATED BOARDWALK, SEE SHEET XXX



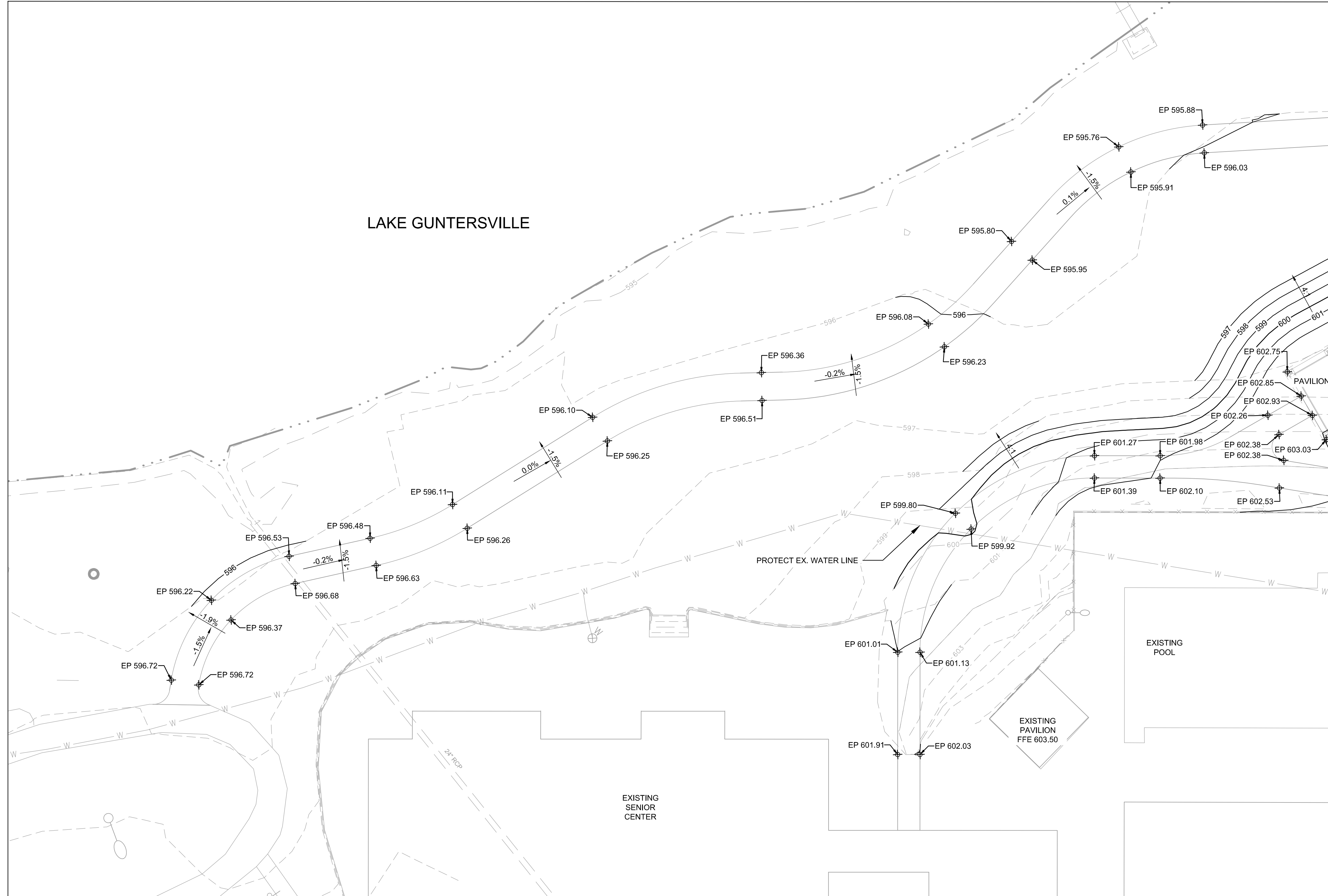
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SAVED:4/21/2023  
PLOTTED:4/21/2023



GRADING PLAN  
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

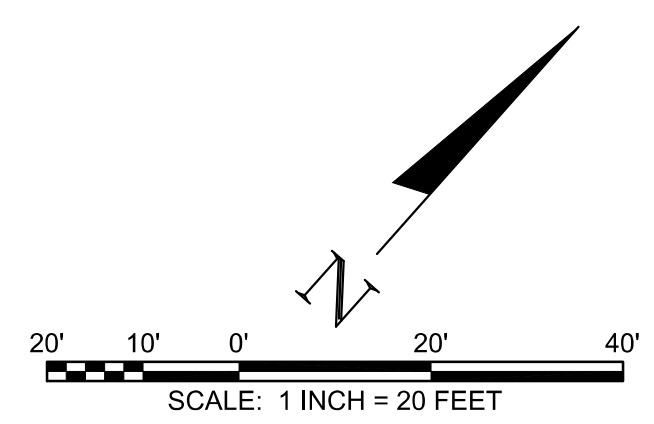


**NOTES**

- SEE SHEET C1.00 FOR OVERALL PHASE 2 KEY PLAN
- SEE SHEET L7.01 FOR FIELD LAYOUT.
- SEE ARCHITECTURAL DRAWINGS FOR CONCESSION / RESTROOM BUILDING AND PAVILION.
- SEE BALLFIELD ACCESSORIES SHEDULE (1/L7.01).

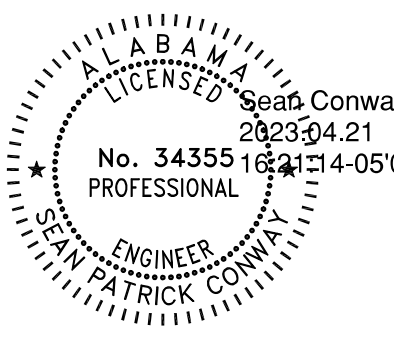
**LEGEND**

- 600 --- EXISTING CONTOURS
- 605 --- PROPOSED CONTOURS
- SWALE CENTER LINE
- BIOSWALE (SEE DETAIL 7/SHEET L7.42)
- 602.75
- ST --- PROPOSED HDPE STORM PIPE
- PROPOSED CHANNEL DRAIN (SEE DETAIL 1/SHEET C7.05)
- PROPOSED PAVERS UNDERDRAIN (SEE DETAIL 3/SHEET L7.05)
- JUNCTION BOX
- CATCH BASIN (SEE DETAILS 3 AND 4/ SHEET C7.04)
- OPEN THROAT INLET (SEE DETAIL 3/SHEET C7.04)
- DOWNSPOUT CONNECTION (SEE DETAIL 7/SHEET C7.04)
- GRATE INLET (SEE DETAILS 2 AND 5 SHEET C7.04)
- CURB INLET (S-TYPE) SEE DETIAL 1/SHEET C7.05)
- SLOPE PAVED HEADWALL (SEE DETAIL 7/SHEET C7.04)
- RIP RAP OUTLET PROTECTION
- SPOT ELEVATION ABBREVIATIONS:  
EP: EDGE OF PAVEMENT  
FG: TOP OF FINISHED GRADE  
TGW: TOP OF GRADE AT WALL  
TW: TOP OF WALL  
BW: BOTTOM OF WALL  
TC: TOP OF CURB  
BC: BOTTOM OF CURB (GUTTER)  
LP: LOW POINT  
HP: HIGH POINT

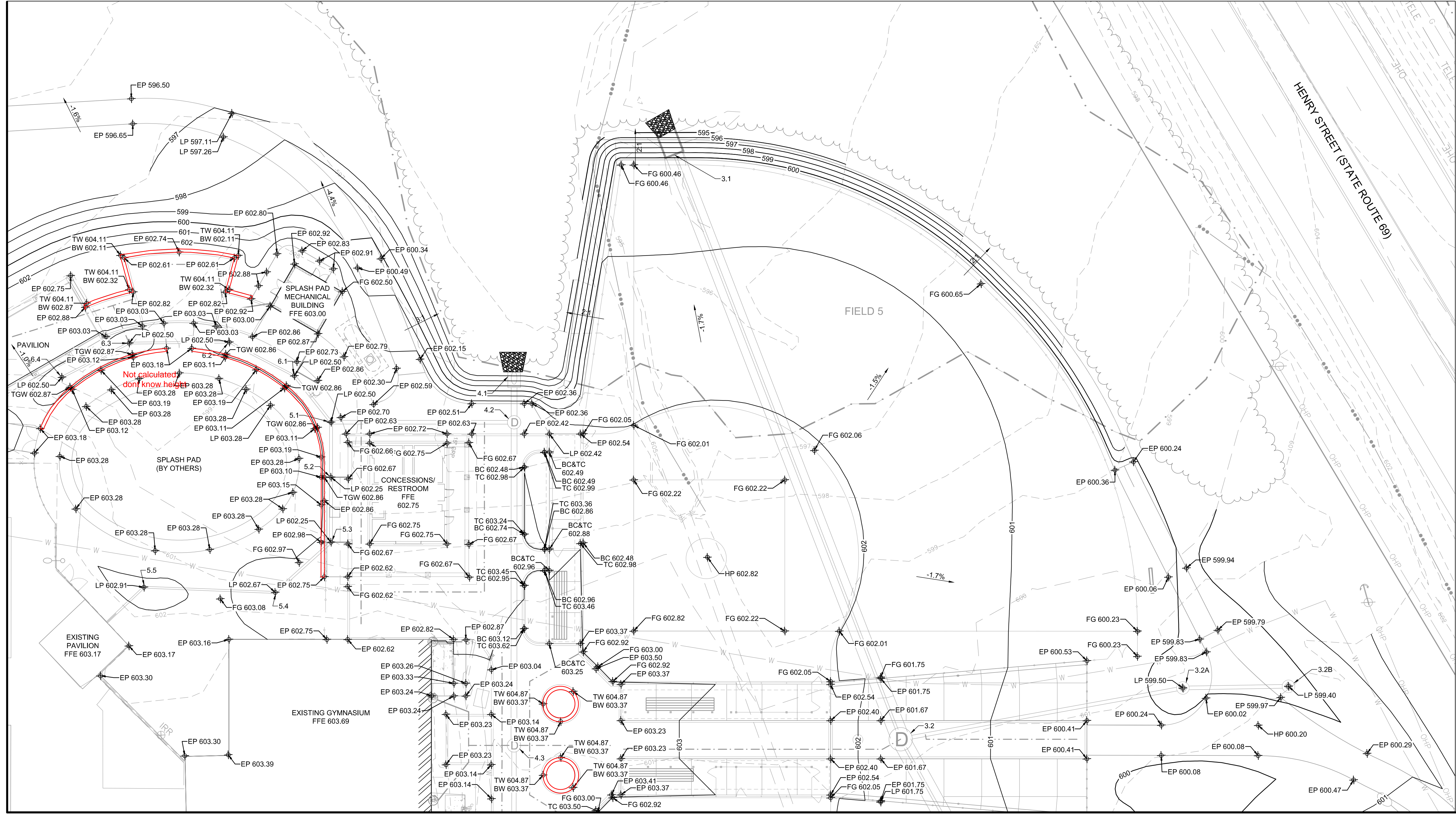


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**C2.01**  
FILE NO. 37106-05



GRADING PLAN  
 CITY OF GUNTERVILLE  
**GUNTERVILLE PARK - PHASE 2**  
 GUNTERVILLE, ALABAMA



MATCHLINE - SEE SHEET C2.01

MATCHLINE - SEE SHEET C2.03

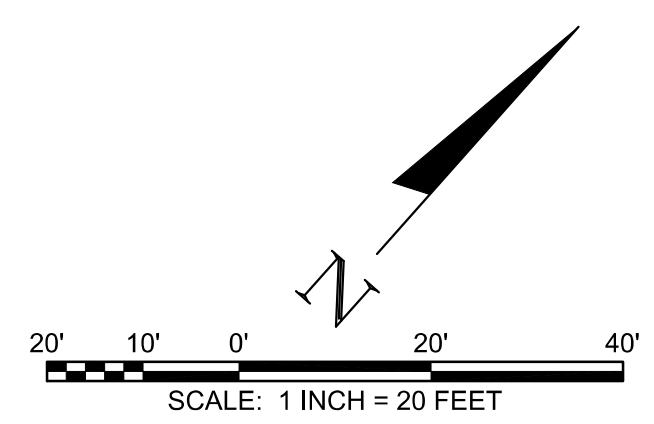
**NOTES**

- SEE SHEET C1.00 FOR OVERALL PHASE 2 KEY PLAN
- SEE SHEET L7.01 FOR FIELD LAYOUT.
- SEE ARCHITECTURAL DRAWINGS FOR CONCESSION / RESTROOM BUILDING AND PAVILION.
- SEE BALLFIELD ACCESSORIES SCHEDULE (1/L7.01).

**LEGEND**

- - - 600 - EXISTING CONTOURS
- - - 605 - PROPOSED CONTOURS
- ▲— SWALE CENTER LINE
- [Pattern] BIOSWALE (SEE DETAIL 7/SHEET L7.42)
- ⊕ 602.75 - PROPOSED HDPE STORM PIPE
- - - - - PROPOSED CHANNEL DRAIN (SEE DETAIL 1/SHEET C7.05)
- [Symbol] PROPOSED PAVERS UNDERDRAIN (SEE DETAIL 3/SHEET L7.05)
- [Symbol] JUNCTION BOX
- [Symbol] CATCH BASIN (SEE DETAILS 3 AND 4/ SHEET C7.04)
- [Symbol] OPEN THROAT INLET (SEE DETAIL 3/SHEET C7.04)
- [Symbol] DOWNSPOUT CONNECTION (SEE DETAIL 7/SHEET C7.04)
- [Symbol] GRATE INLET (SEE DETAILS 2 AND 5 SHEET C7.04)
- [Symbol] CURB INLET (S-TYPE) SEE DETAIL 1/SHEET C7.05)
- [Symbol] SLOPE PAVED HEADWALL (SEE DETAIL 7/SHEET C7.04)
- [Symbol] RIP RAP OUTLET PROTECTION

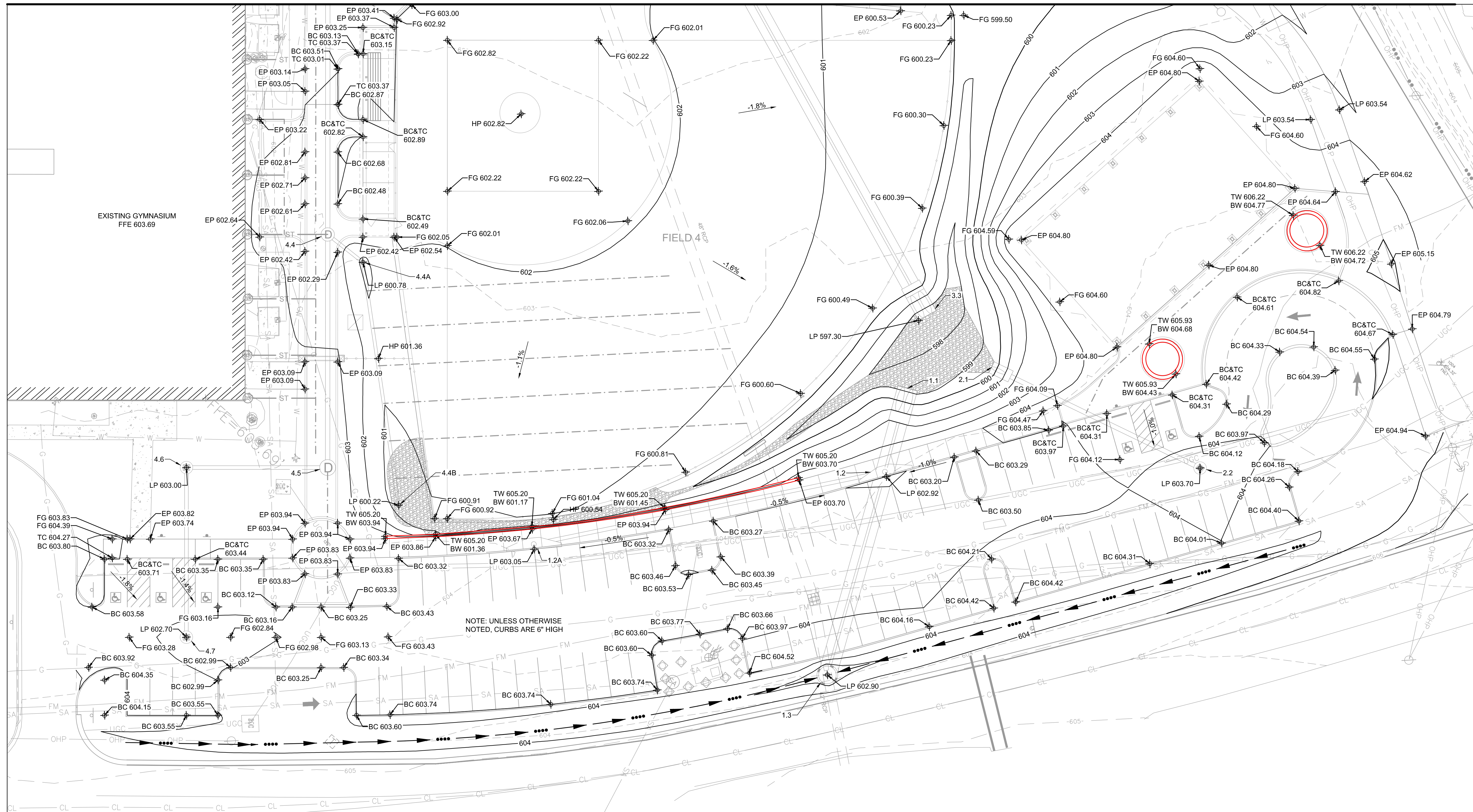
SPOT ELEVATION ABBREVIATIONS:  
 EP: EDGE OF PAVEMENT  
 FG: TOP OF FINISHED GRADE  
 TGW: TOP OF GRADE AT WALL  
 TW: TOP OF WALL  
 BW: BOTTOM OF WALL  
 TC: TOP OF CURB  
 BC: BOTTOM OF CURB (GUTTER)  
 LP: LOW POINT  
 HP: HIGH POINT



REVISION INFORMATION			
REV.	DR.	DATE	DESCRIPTION
0	HC	04/17/2023	ISSUED FOR BID

**C2.02**  
 FILE NO. 37106-05

MATCHLINE - SEE SHEET C2.02



NOTE: UNLESS OTHERWISE NOTED, CURBS ARE 6" HIGH

**NOTES**

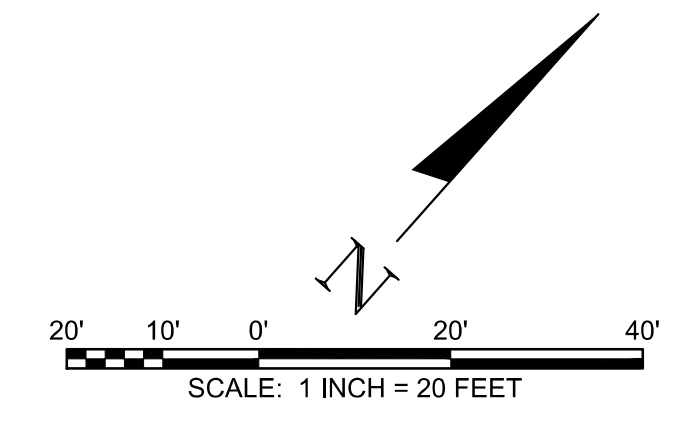
- SEE SHEET C1.00 FOR OVERALL PHASE 2 KEY PLAN
- SEE SHEET L7.01 FOR FIELD LAYOUT.
- SEE ARCHITECTURAL DRAWINGS FOR CONCESSION / RESTROOM BUILDING AND PAVILION.
- SEE BALLFIELD ACCESSORIES SCHEDULE (1/L7.01).

**LEGEND**

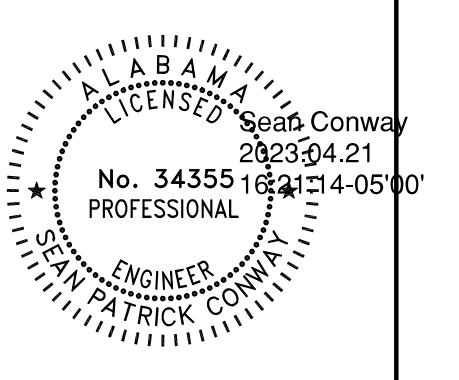
- 600 EXISTING CONTOURS
- 605 PROPOSED CONTOURS
- SWALE CENTER LINE
- BIOSWALE (SEE DETAIL 7/SHEET L7.42)
- 602.75
- PROPOSED HDPE STORM PIPE
- PROPOSED CHANNEL DRAIN (SEE DETAIL 1/SHEET C7.05)

- PROPOSED PAVERS UNDERDRAIN (SEE DETAIL 3/SHEET L7.05)
- JUNCTION BOX
- CATCH BASIN (SEE DETAILS 3 AND 4/ SHEET C7.04)
- OPEN THROAT INLET (SEE DETAIL 3/SHEET C7.04)
- DOWNSPOUT CONNECTION (SEE DETAIL 7/SHEET C7.04)
- GRATE INLET (SEE DETAILS 2 AND 5 SHEET C7.04)
- CURB INLET (S-TYPE) SEE DETAIL 1/SHEET C7.05)

- SLOPE PAVED HEADWALL (SEE DETAIL 7/SHEET C7.04)
- RIP RAP OUTLET PROTECTION
- SPOT ELEVATION ABBREVIATIONS:  
 EP: EDGE OF PAVEMENT  
 FG: TOP OF FINISHED GRADE  
 TGW: TOP OF GRADE AT WALL  
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 BW: BOTTOM OF WALL  
 TC: TOP OF CURB  
 BC: BOTTOM OF CURB (GUTTER)  
 LP: LOW POINT  
 HP: HIGH POINT



**BARGE**  
DESIGN SOLUTIONS

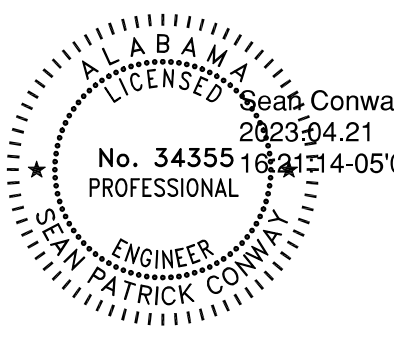


GRADING PLAN  
CITY OF GUNTERVILLE  
**GUNTERVILLE PARK - PHASE 2**  
GUNTERVILLE, ALABAMA

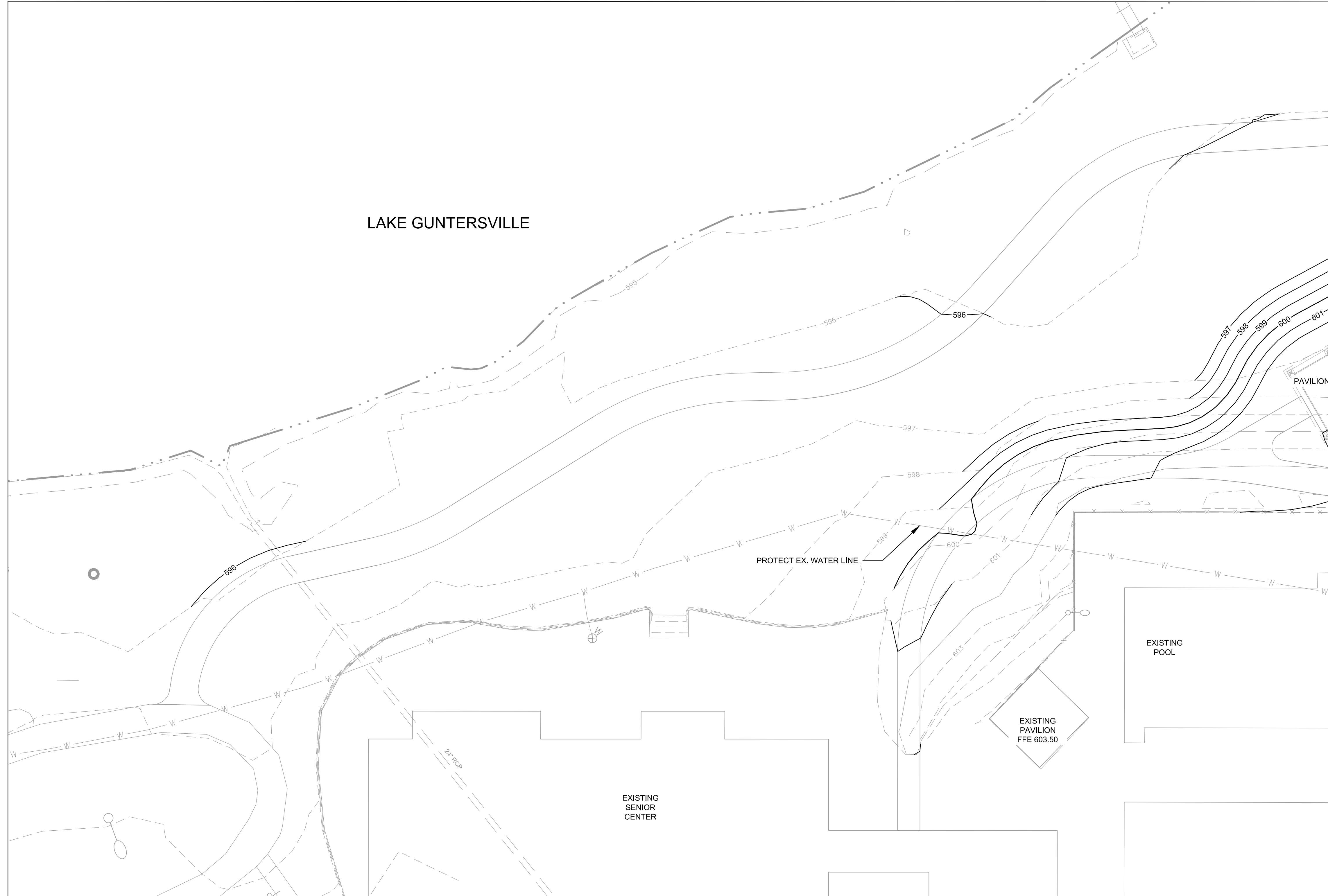
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SAVED:4/21/2023  
PLOTTED:4/21/2023



DRAINAGE PLAN  
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA



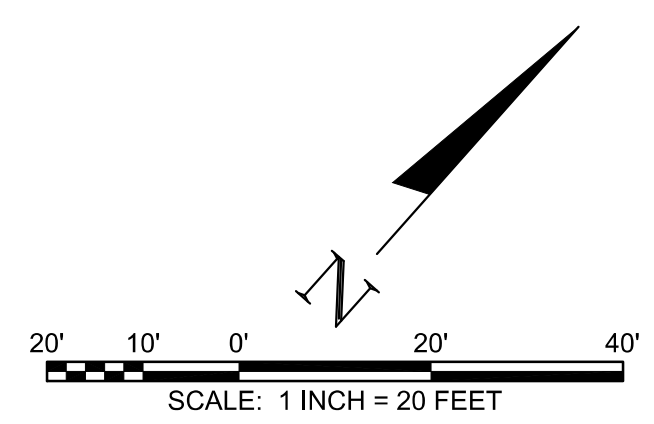
MATCHLINE - SEE SHEET C2.05

**NOTES**

- 1. SEE SHEET C1.00 FOR OVERALL PHASE 2 KEY PLAN

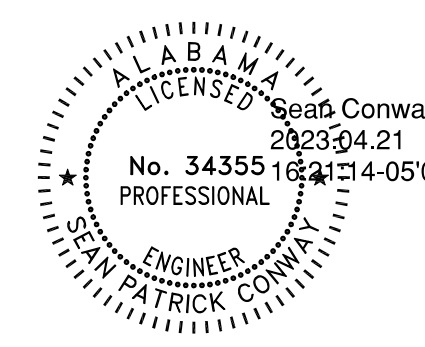
**LEGEND**

- 600 --- EXISTING CONTOURS
- 605 --- PROPOSED CONTOURS
- ← SWALE CENTER LINE
- ▨ BIOSWALE (SEE DETAIL 7/ SHEET L7.42)
- ST — PROPOSED HDPE STORM PIPE
- - - - - PROPOSED CHANNEL DRAIN (SEE DETAIL 1/SHEET C7.05)
- PROPOSED PAVERS UNDERDRAIN (SEE DETAIL 3/SHEET L7.05)
- ⊙ JUNCTION BOX
- ⊙ CATCH BASIN (SEE DETAILS 3 AND 4 SHEET C7.04)
- ⊙ OPEN THROAT INLET (SEE DETAIL 3/SHEET C7.04)
- ⊙ DOWNSPOUT CONNECTION (SEE DETAIL 7/SHEET C7.04)
- ⊙ GRATE INLET (SEE DETAILS 2 AND 5 SHEET C7.04)
- ⊙ CURB INLET (S-TYPE) SEE DETAIL 1/SHEET C7.05)
- ▨ SLOPE PAVED HEADWALL (SEE DETAIL 7/SHEET C7.04)
- ▨ RIP RAP OUTLET PROTECTION



REVISION INFORMATION	
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**C2.04**  
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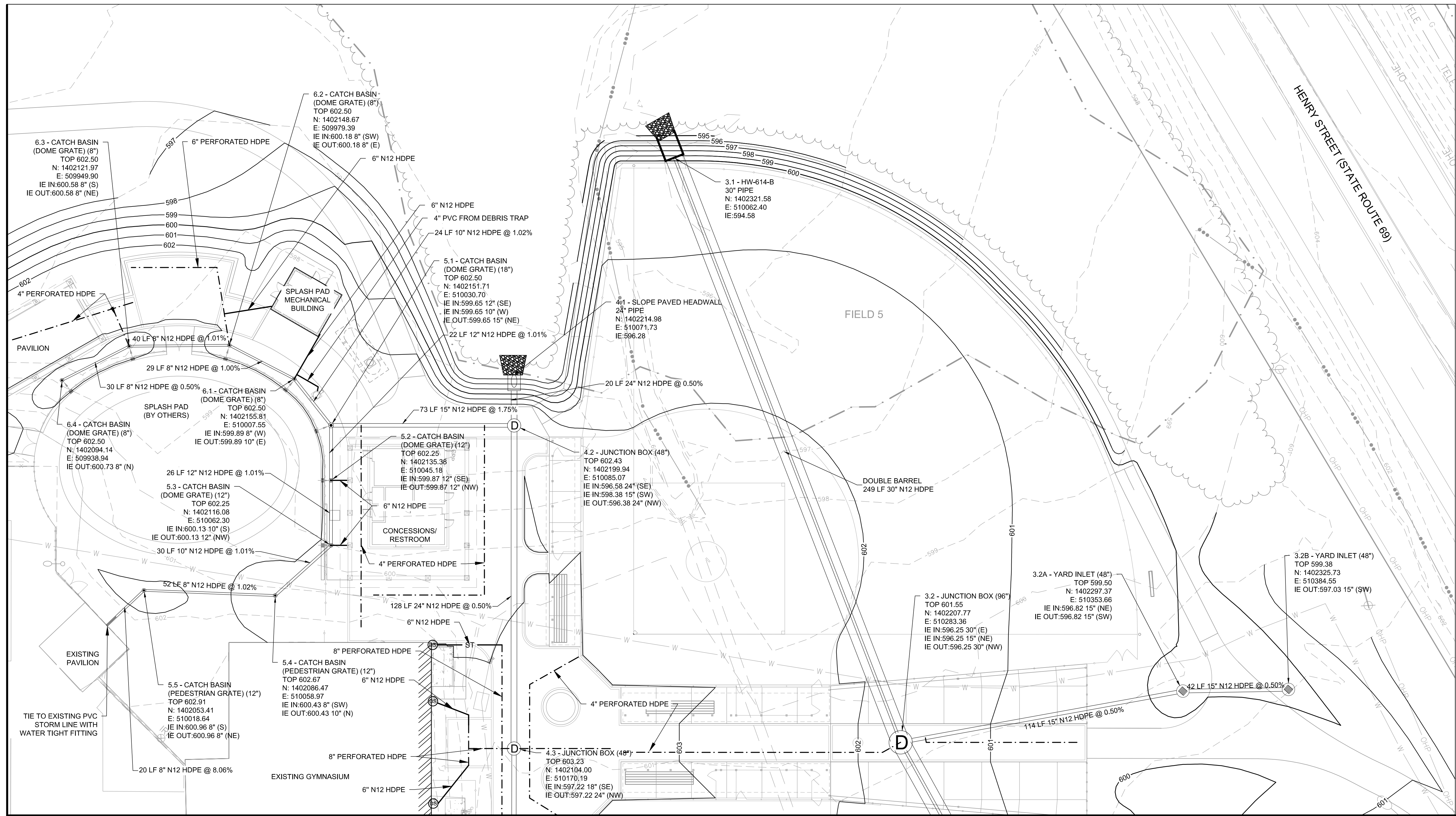


## DRAINAGE PLAN

### CITY OF GUNTERSVILLE

#### GUNTERSVILLE PARK - PHASE 2

GUNTERSVILLE, ALABAMA



MATCHLINE - SEE SHEET C2.04

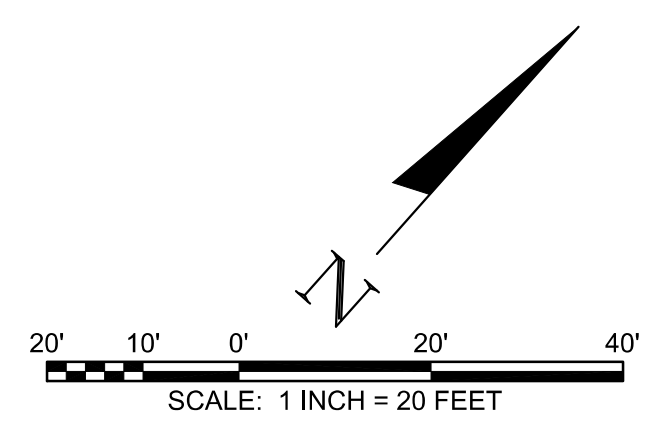
MATCHLINE - SEE SHEET C2.06

### NOTES

- SEE SHEET C1.00 FOR OVERALL PHASE 2 KEY PLAN

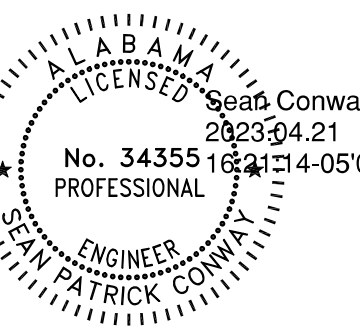
### LEGEND

- 600 — EXISTING CONTOURS
- 605 — PROPOSED CONTOURS
- SWALE CENTER LINE
- BIOSWALE (SEE DETAIL 7/ SHEET L7.42)
- ST — PROPOSED HDPE STORM PIPE
- — PROPOSED CHANNEL DRAIN (SEE DETAIL 1/SHEET C7.05)
- — PROPOSED PAVERS UNDERDRAIN (SEE DETAIL 3/SHEET L7.05)
- — JUNCTION BOX
- — CATCH BASIN (SEE DETAILS 3 AND 4 SHEET C7.04)
- — OPEN THROAT INLET (SEE DETAIL 3/SHEET C7.04)
- — DOWNSPOUT CONNECTION (SEE DETAIL 7/SHEET C7.04)
- — GRATE INLET (SEE DETAILS 2 AND 5 SHEET C7.04)
- — CURB INLET (S-TYPE) SEE DETAIL 1/SHEET C7.05)
- — SLOPE PAVED HEADWALL (SEE DETAIL 7/SHEET C7.04)
- — RIP RAP OUTLET PROTECTION



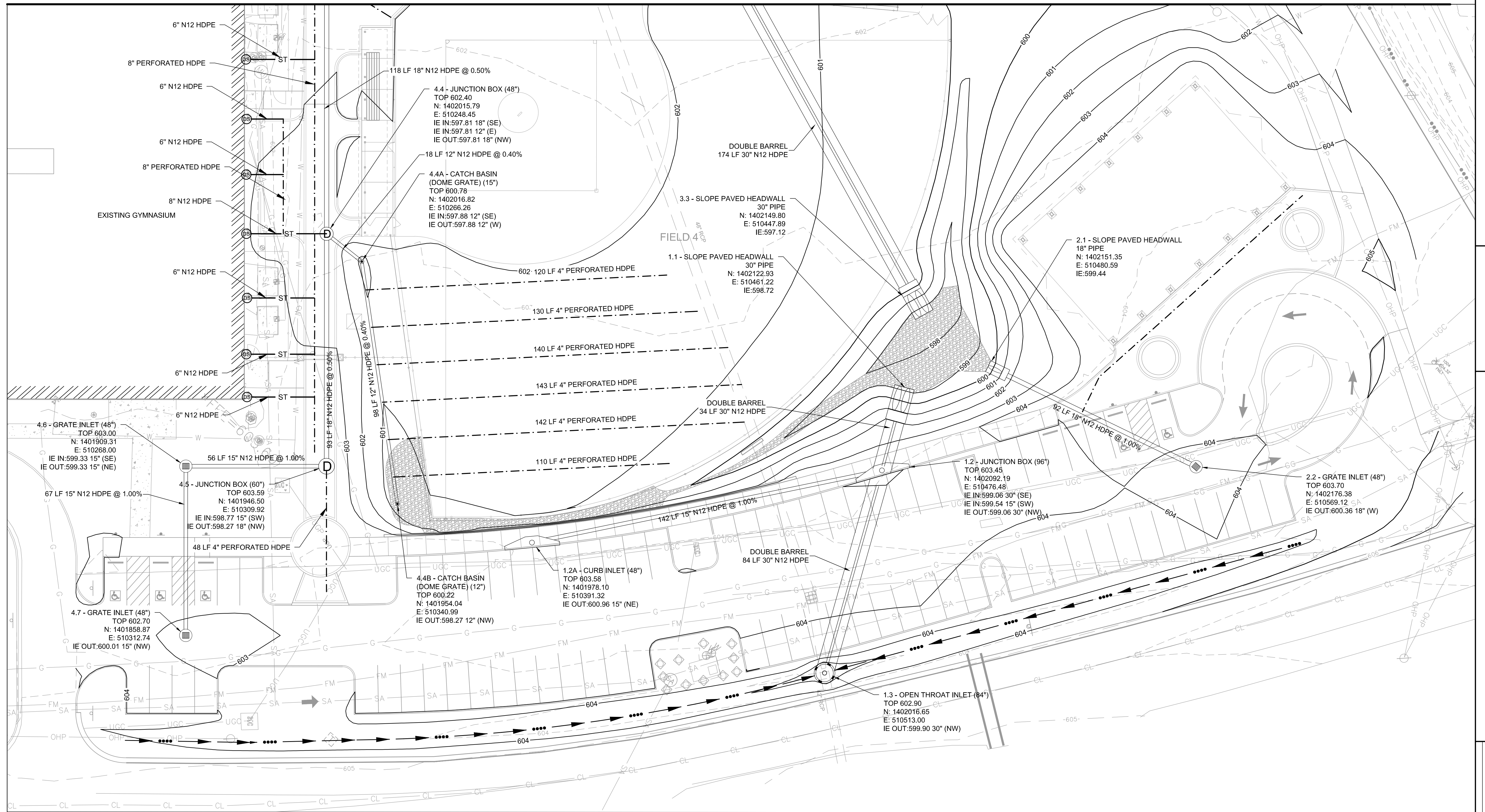
REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

**C2.05**  
FILE NO. 37106-05



DRAINAGE PLAN

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

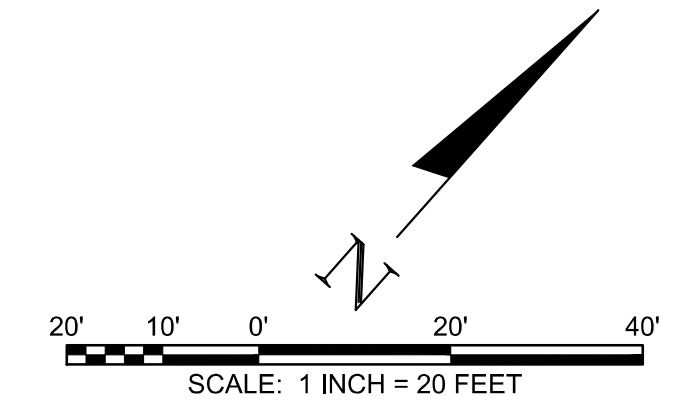


NOTES

- SEE SHEET C1.00 FOR OVERALL PHASE 2 KEY PLAN

LEGEND

- 600 EXISTING CONTOURS
- 605 PROPOSED CONTOURS
- SWALE CENTER LINE
- BIOSWALE (SEE DETAIL 7/ SHEET L7.42)
- PROPOSED HDPE STORM PIPE
- PROPOSED CHANNEL DRAIN (SEE DETAIL 1/SHEET C7.05)
- PROPOSED PAVERS UNDERDRAIN (SEE DETAIL 3/SHEET L7.05)
- JUNCTION BOX
- CATCH BASIN (SEE DETAILS 3 AND 4 SHEET C7.04)
- OPEN THROAT INLET (SEE DETAIL 3/SHEET C7.04)
- DOWNSPOUT CONNECTION (SEE DETAIL 7/SHEET C7.04)
- GRATE INLET (SEE DETAILS 2 AND 5 SHEET C7.04)
- CURB INLET (S-TYPE) SEE DETIAL 1/SHEET C7.05)
- SLOPE PAVED HEADWALL (SEE DETAIL 7/SHEET C7.04)
- RIP RAP OUTLET PROTECTION



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SAVED:4/21/2023  
PLOTTED:4/21/2023

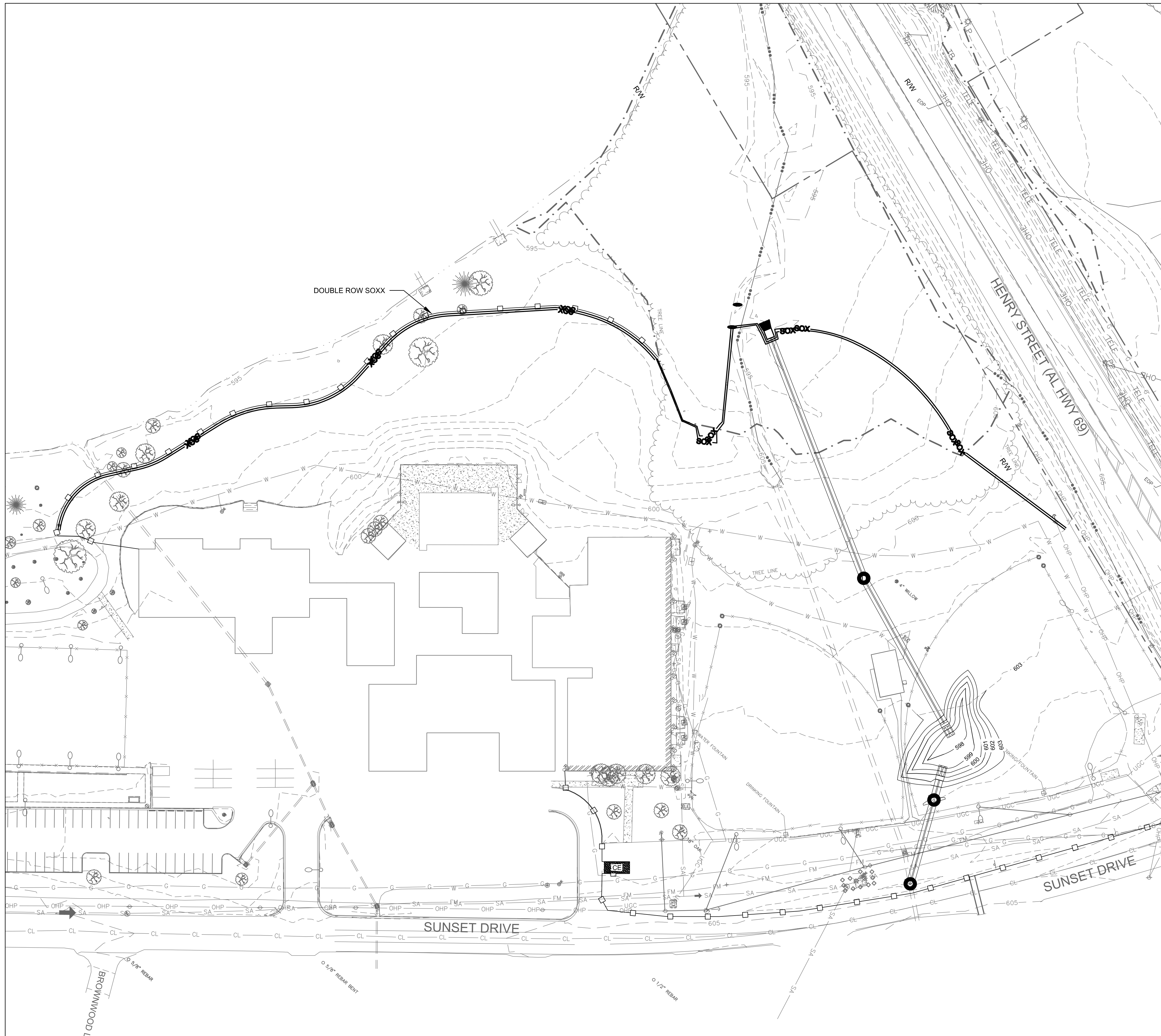
REV.	DATE	DESCRIPTION	ISSUED FOR
0	04/21/2023	ISSUED FOR BID	

## C2.06

FILE NO. 37106-05

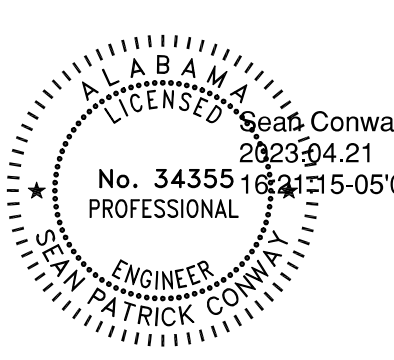
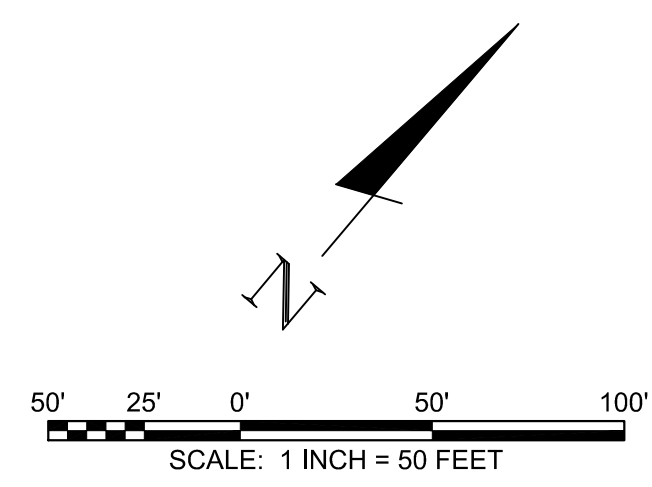


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 SAVER: 4/21/2023  
 PLOTTED: 4/21/2023



- LEGEND:**
- EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - CONSTRUCTION EXIT - DETAIL 2/C7.41
  - SOX SILT SOX - DETAIL 1/C7.41
  - SF SILT FENCE - DETAIL 8/C7.41
  - TPF TREE PROTECTION FENCING - DETAIL 1/C0.41
  - CONSTRUCTION FENCING - DETAIL 4/C7.41
  - FILTER RING - DETAIL 7/C7.41
  - INLET PROTECTION 5/C7.41
  - ▲ RIPRAP OUTLET PROTECTION - 6/C7.41
  - CHECK DAM

- NOTES:**
1. ALL CONSTRUCTION ENTRANCE/EXIT MUST BE INSTALLED AND MAINTAINED AT POINTS SHOWN.
  2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION OR OTHER ACTIVITY ON SITE.
  3. ALL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONTRACT SO AS TO PREVENT ANY SEDIMENT FROM WASHING OFF THE SITE TO ADJACENT LAKE GUNTERSVILLE OR ONTO ADJACENT PROPERTIES OR PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL MAINTENANCE ACTIVITIES FOR THE EROSION CONTROL ELEMENTS AS REQUIRED BY THE STATE OF ALABAMA DEPARTMENT OF ENVIRONMENTAL MAINTENANCE.
  4. A COPY OF THE EROSION CONTROL PLAN MUST BE AVAILABLE ON SITE FOR THE EROSION CONTROL INSPECTOR ON REQUEST.
  5. MULCH ALL BARE AREAS IMMEDIATELY FOLLOWING INITIAL GRADING PROCEDURES.
  6. BMPs TO BE INSPECTED AT LEAST MONTHLY AND WITHIN 24 HOURS OF RAIN EVENTS OF 0.75 INCHES OR GREATER. MAINTENANCE AND REPAIR MUST BE MADE WITHIN 3 DAYS OF INSPECTION UNLESS OTHERWISE NOTED.
  7. TEMPORARY SEEDING OF DISTURBED AREAS SHOULD BE IMPLEMENTED WHENEVER DISTURBED SOIL AREAS WILL NOT BE BROUGHT TO FINISH GRADE FOR PERIOD OF 14 CALENDAR DAYS OR LONGER.
  8. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL AND URBAN AREAS (LATEST EDITION) AND SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
  9. SILT SOX: REMOVE ACCUMULATED SEDIMENT WHEN DEPTH REACHES 1/4 THE HEIGHT OF THE BARRIERS.
  10. EROSION CONTROL DEVICES SHALL BE THE FIRST ITEM OF CONSTRUCTION. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTION BEFORE EARTH MOVING OPERATIONS BEGIN AND BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. PERIODIC MAINTENANCE OF THE EROSION CONTROL DEVICES WILL BE REQUIRED AS PART OF THE CONTRACT. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY OR PRIOR TO RAINFALL EVENTS.
  11. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL WHERE REQUIRED AND AS SHOWN. EROSION AND SEDIMENT CONTROL DEVICES SHOWN ON THESE DRAWINGS ARE THE MINIMUM REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL APPURTENANCES AS REQUIRED BY LOCAL, STATE, FEDERAL REGULATIONS, NPDES PERMIT AND FIELD CONDITIONS.
  12. ALL STORM SEWER APPURTENANCES SHALL BE COMPLETELY SURROUNDED WITH A SEDIMENT BARRIER CONSISTING OF EITHER A SILT FENCE, WATTLES, GRAVEL BERM, OR SILT SAVER DEVICE TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. THESE DEVICES SHALL BE CONTINUOUSLY MAINTAINED AND SECONDARY SYSTEMS INSTALLED AS NEEDED. THESE DEVICES SHALL REMAIN IN PLACE UNTIL THE FINAL SURFACE OR VEGETATION HAS BEEN ESTABLISHED.
  13. ALL EROSION CONTROL DEVICES SHALL BE REMOVED AT THE END OF THE PROJECT.



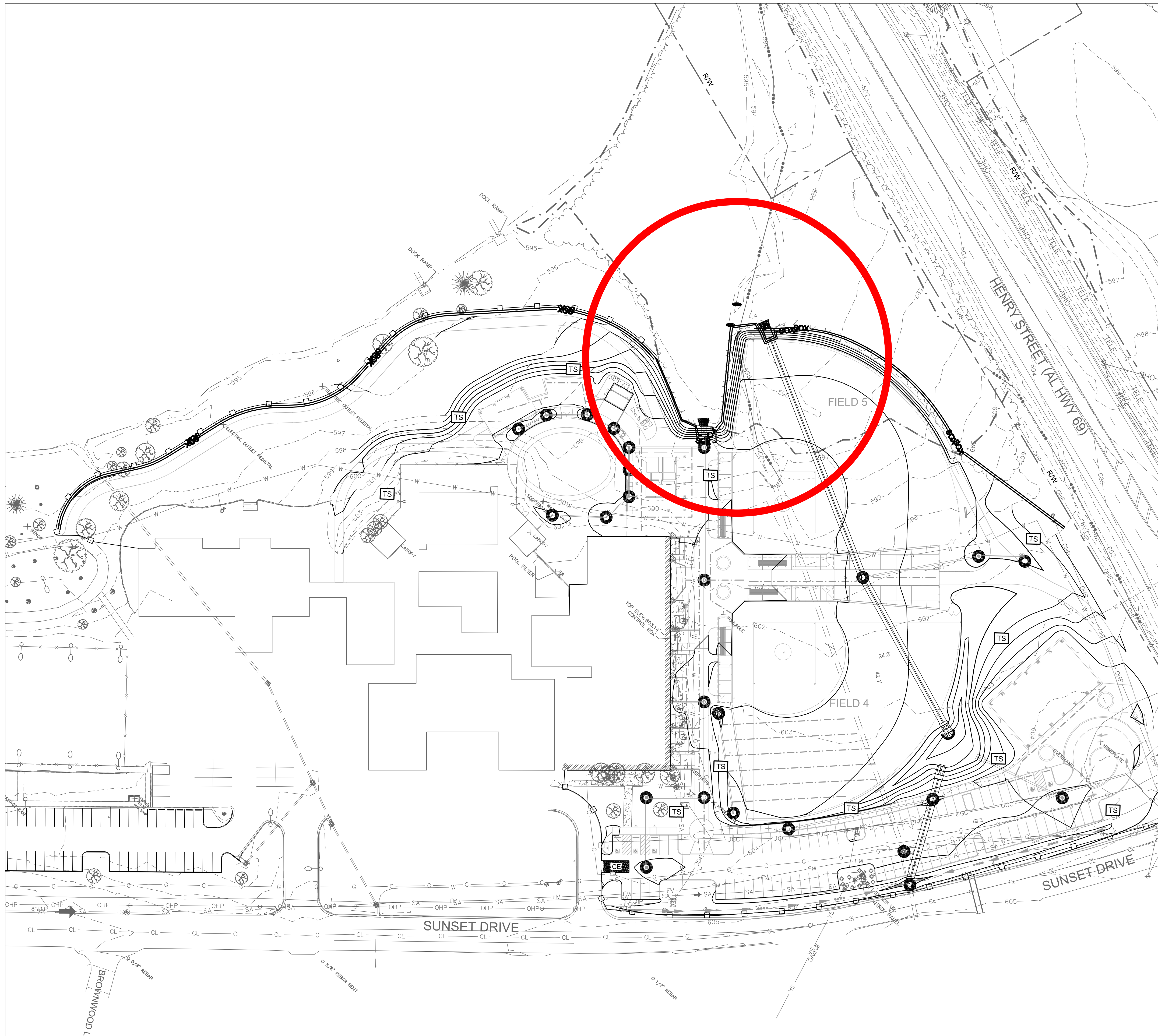
EROSION CONTROL PLAN - PHASE 1  
 CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID
1	04/21/2023



**C2.41**  
 FILE NO. 37106-05

USER:HN/C/LAB/RESE  
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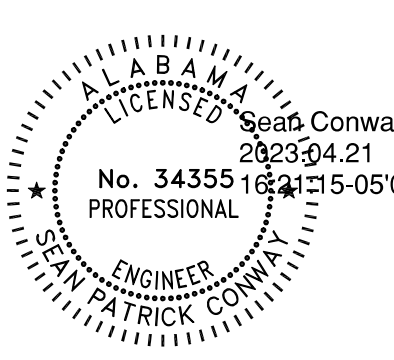
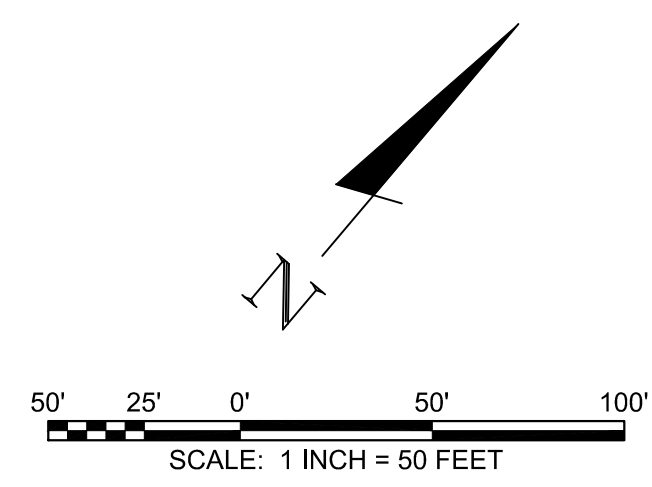


**LEGEND:**

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- TPF TREE PROTECTION FENCING - DETAIL 1/C0.41
- CE CONSTRUCTION FENCING - DETAIL 4/C7.41
- CE CONSTRUCTION EXIT - DETAIL 2/C7.41
- SOX SILT SOX - DETAIL 1/C7.41
- SF SILT FENCE - DETAIL 8/C7.41
- FILTER RING - DETAIL 7/C7.41
- INLET PROTECTION - DETAIL 5/C7.41
- RIPRAP OUTLET PROTECTION - DETAIL 6/C7.41
- TS TEMPORARY SEEDING - DETAIL 3/C7.41
- CHECK DAM

**NOTES:**

1. ALL CONSTRUCTION ENTRANCE/EXIT MUST BE INSTALLED AND MAINTAINED AT POINTS SHOWN.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION OR OTHER ACTIVITY ON SITE.
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5. MULCH ALL BARE AREAS IMMEDIATELY FOLLOWING INITIAL GRADING PROCEDURES.
6. BMPs TO BE INSPECTED AT LEAST MONTHLY AND WITHIN 24 HOURS OF RAIN EVENTS OF 0.75 INCHES OR GREATER. MAINTENANCE AND REPAIR MUST BE MADE WITHIN 3 DAYS OF INSPECTION UNLESS OTHERWISE NOTED.
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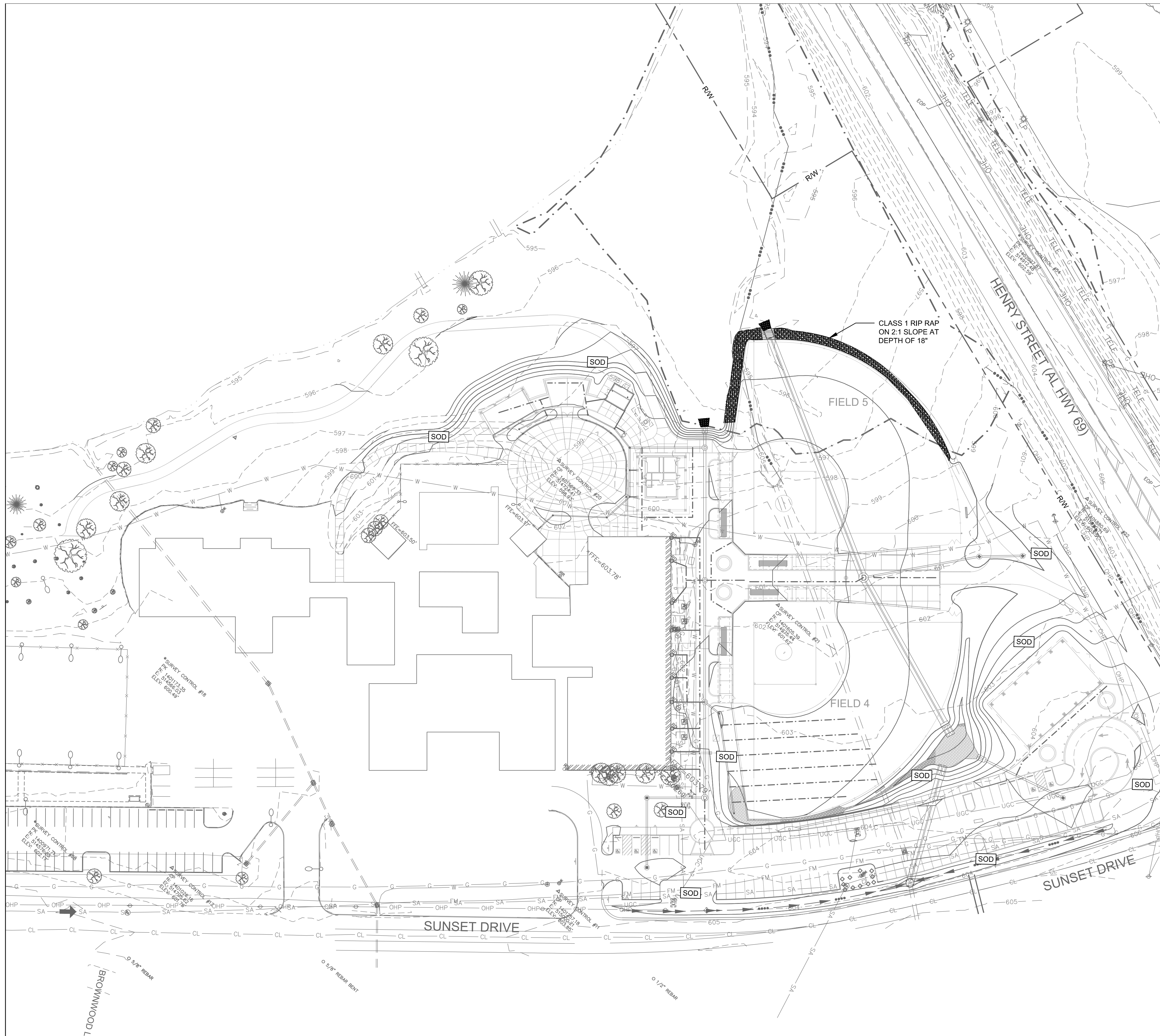
**EROSION CONTROL PLAN - PHASE 2**  
 CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION	
REV.	DESCRIPTION
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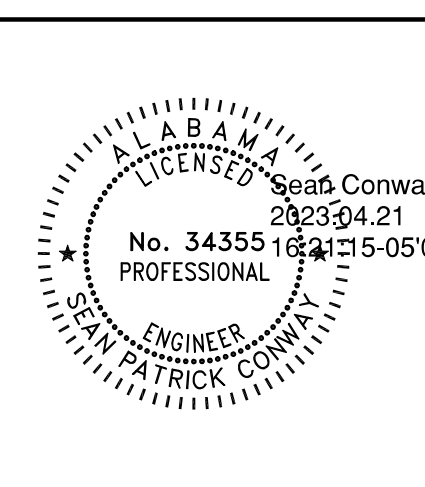
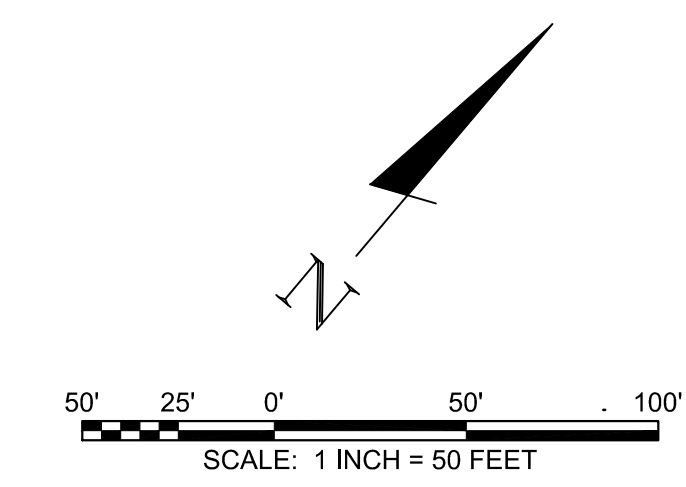
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 SAVER:4/19/2023  
 PLOTTED:4/21/2023



- LEGEND:**
- EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - PROPOSED MAJOR CONTOUR
  - PROPOSED MINOR CONTOUR
  - RIPRAP OUTLET PROTECTION - DETAIL 6/C7.41
  - SOD - SEE LANDSCAPE PLANS AND DETAILS
  - RIP RAP CLASS A-1 AT 18" DEPTH

- NOTES:**
1. ALL CONSTRUCTION ENTRANCE/EXIT MUST BE INSTALLED AND MAINTAINED AT POINTS SHOWN.
  2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION OR OTHER ACTIVITY ON SITE.
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  13. ALL EROSION CONTROL DEVICES SHALL BE REMOVED AT THE END OF THE PROJECT.
  14. SILT FENCES AND INLET PROTECTION SHOWN IN PHASE 2 SHALL REMAIN IN PLACE UNTIL ALL SODDING AND SEEDING IS COMPLETE FOR THAT DRAINAGE AREA.



EROSION CONTROL PLAN - PHASE 3

CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID



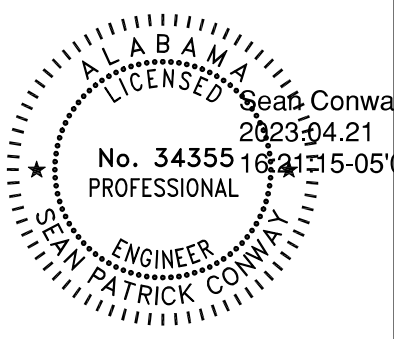
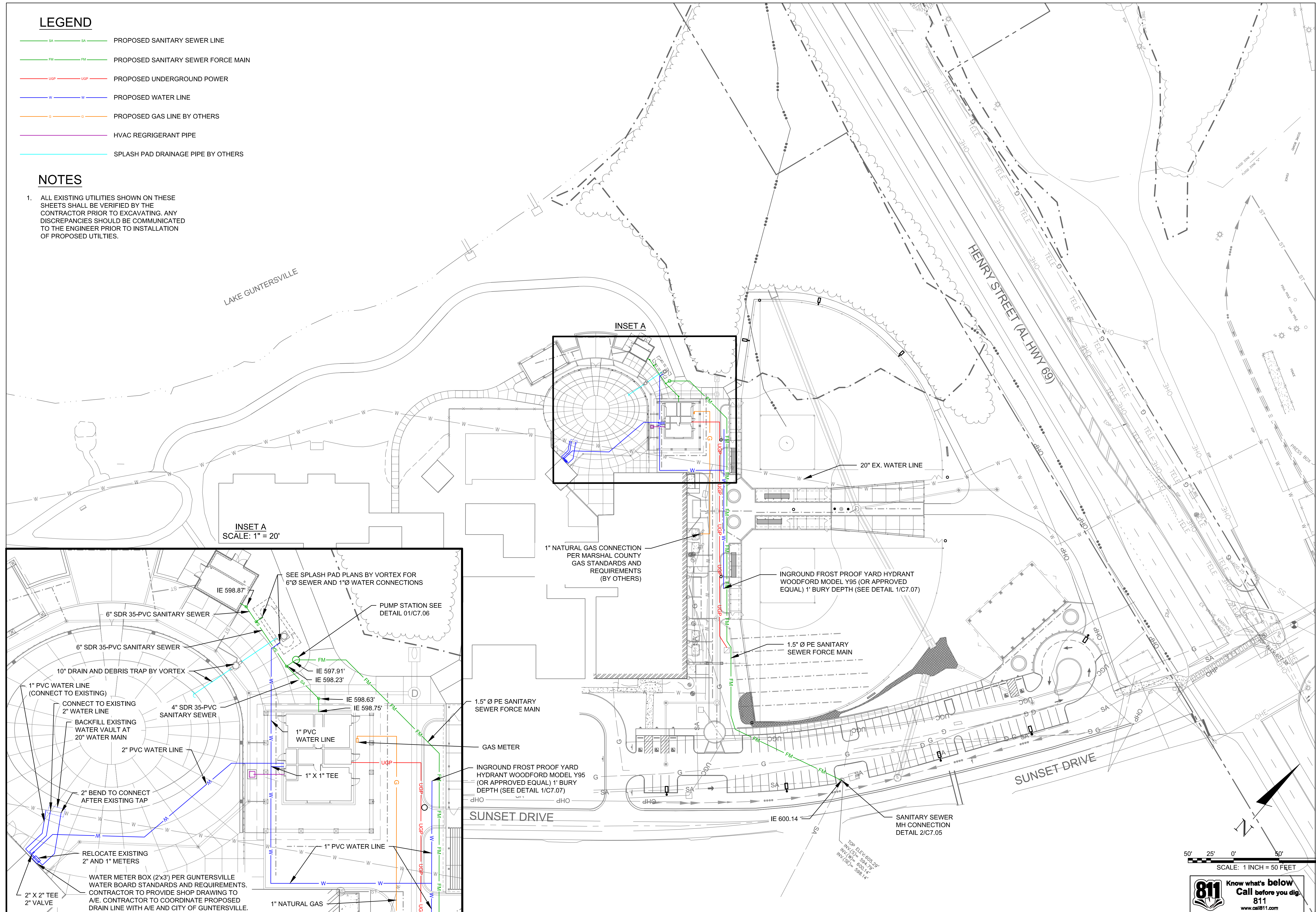
**C2.61**  
 FILE NO. 37106-05

**LEGEND**

- SA — SA — PROPOSED SANITARY SEWER LINE
- FM — FM — PROPOSED SANITARY SEWER FORCE MAIN
- UGP — UGP — PROPOSED UNDERGROUND POWER
- W — W — PROPOSED WATER LINE
- G — G — PROPOSED GAS LINE BY OTHERS
- — — HVAC REFRIGERANT PIPE
- — — SPLASH PAD DRAINAGE PIPE BY OTHERS

**NOTES**

1. ALL EXISTING UTILITIES SHOWN ON THESE SHEETS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO EXCAVATING. ANY DISCREPANCIES SHOULD BE COMMUNICATED TO THE ENGINEER PRIOR TO INSTALLATION OF PROPOSED UTILITIES.



OVERALL SITE UTILITY PLAN

CITY OF GUNTERVILLE  
**GUNTERVILLE PARK - PHASE 2**  
GUNTERVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION	ISSUED FOR BID
0	HC	SC	04/27/2023		

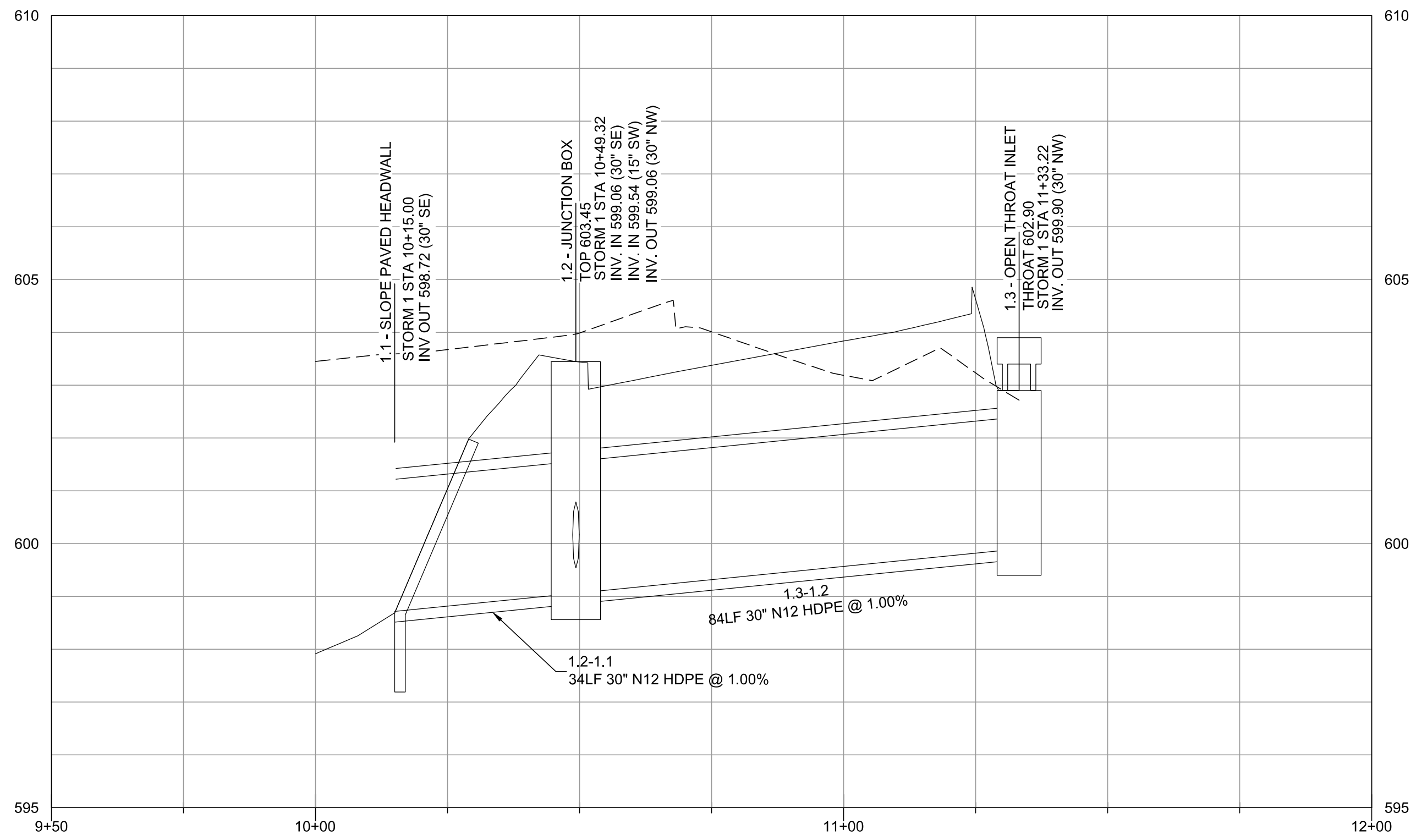
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FILE NO. 37106-05

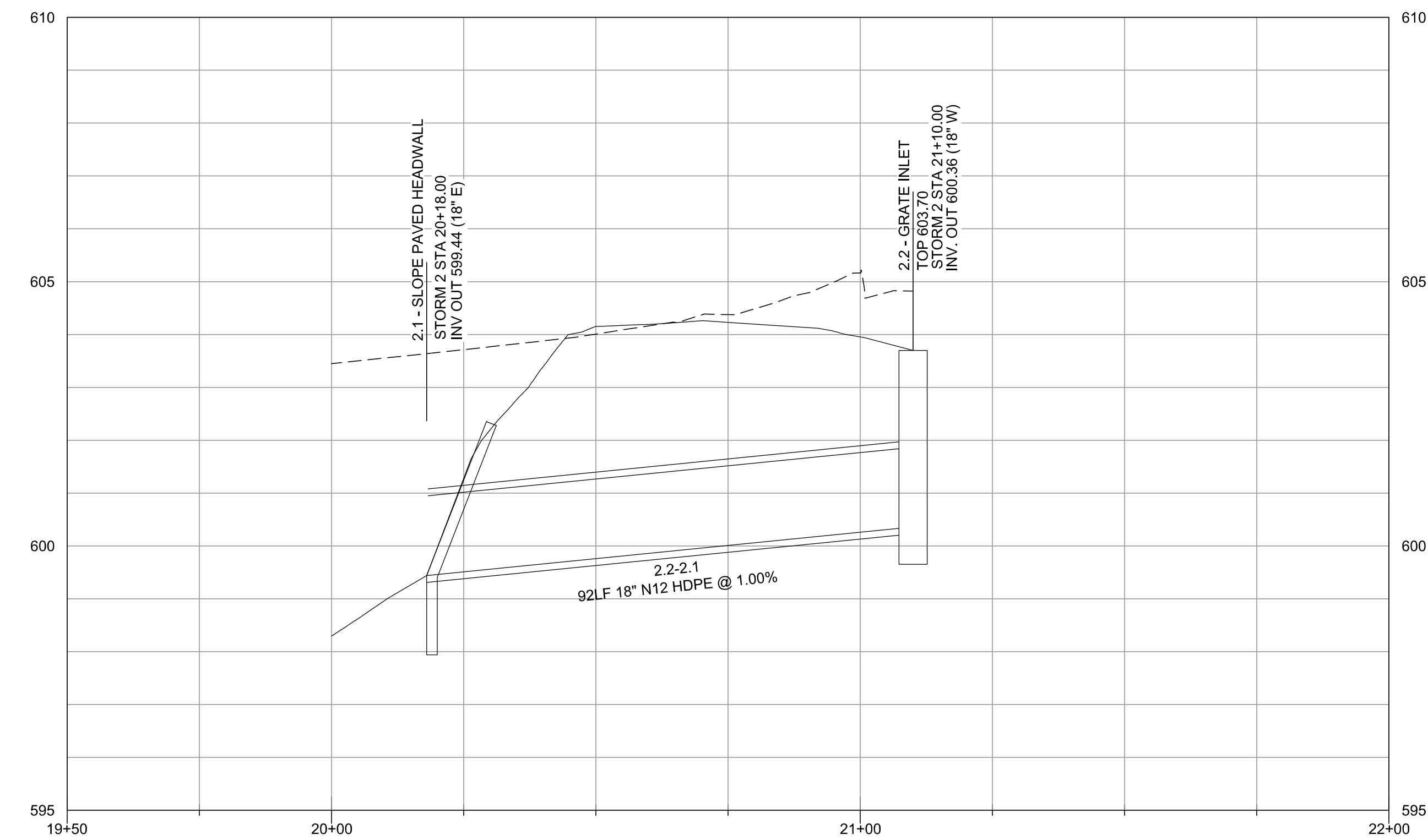
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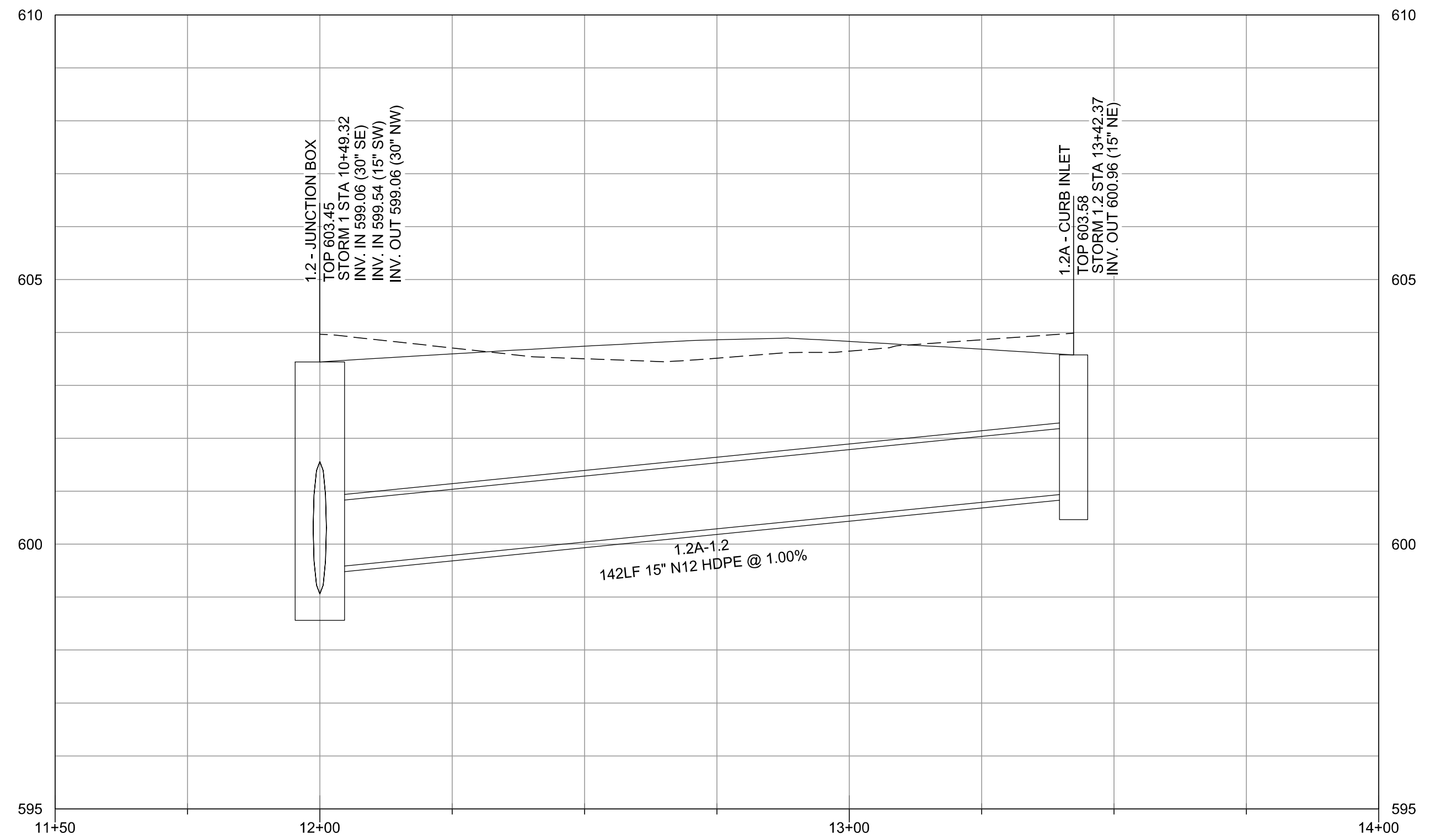
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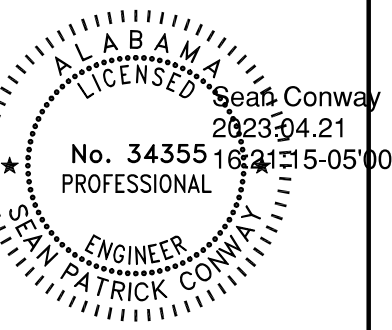
STORM 1 PROFILE STA. 9+50 TO 12+00  
 SCALE: 1"=20' H  
 1"=2' V



STORM 2 PROFILE STA. 19+50 TO 22+00  
 SCALE: 1"=20' H  
 1"=2' V



STORM 1.2 PROFILE STA. 11+50 TO 14+00  
 SCALE: 1"=20' H  
 1"=2' V



DRAINAGE PROFILES

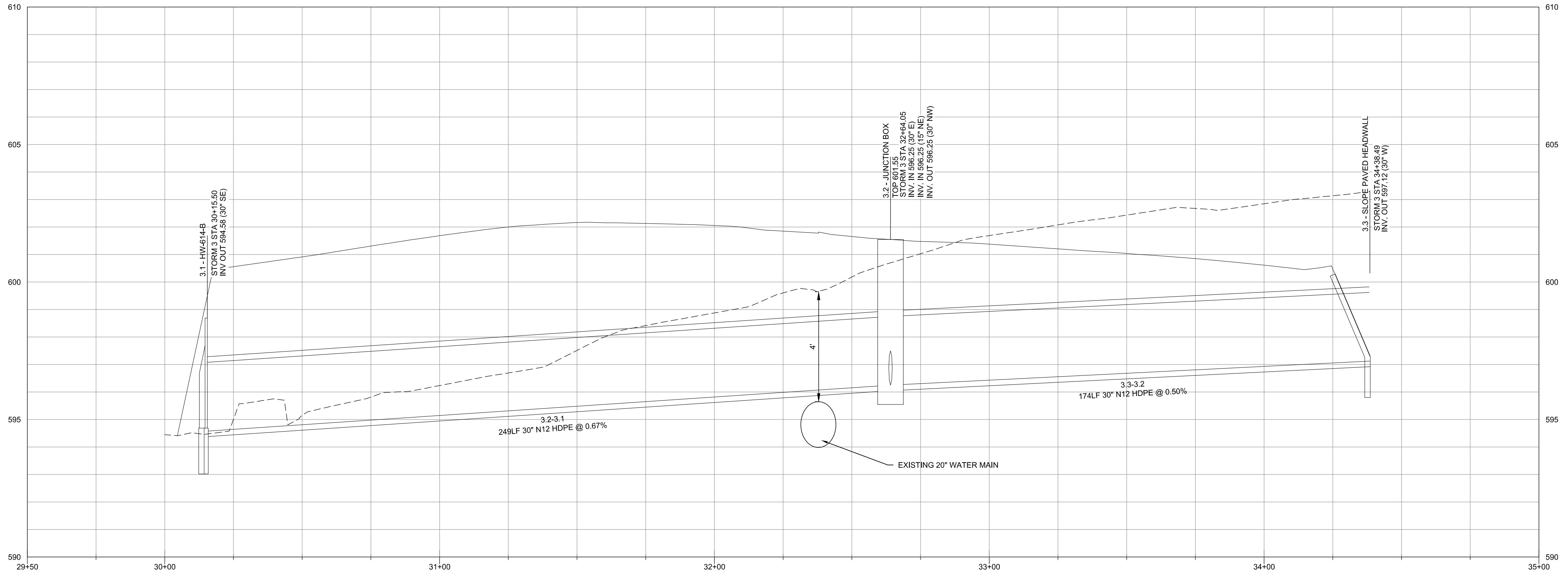
CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
REV.	CHK.	DATE	DESCRIPTION
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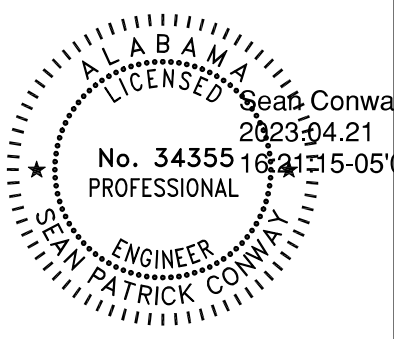
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 PLOTTED:4/21/2023



STORM 3 PROFILE STA. 29+50 TO 35+00  
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 1"=2' V



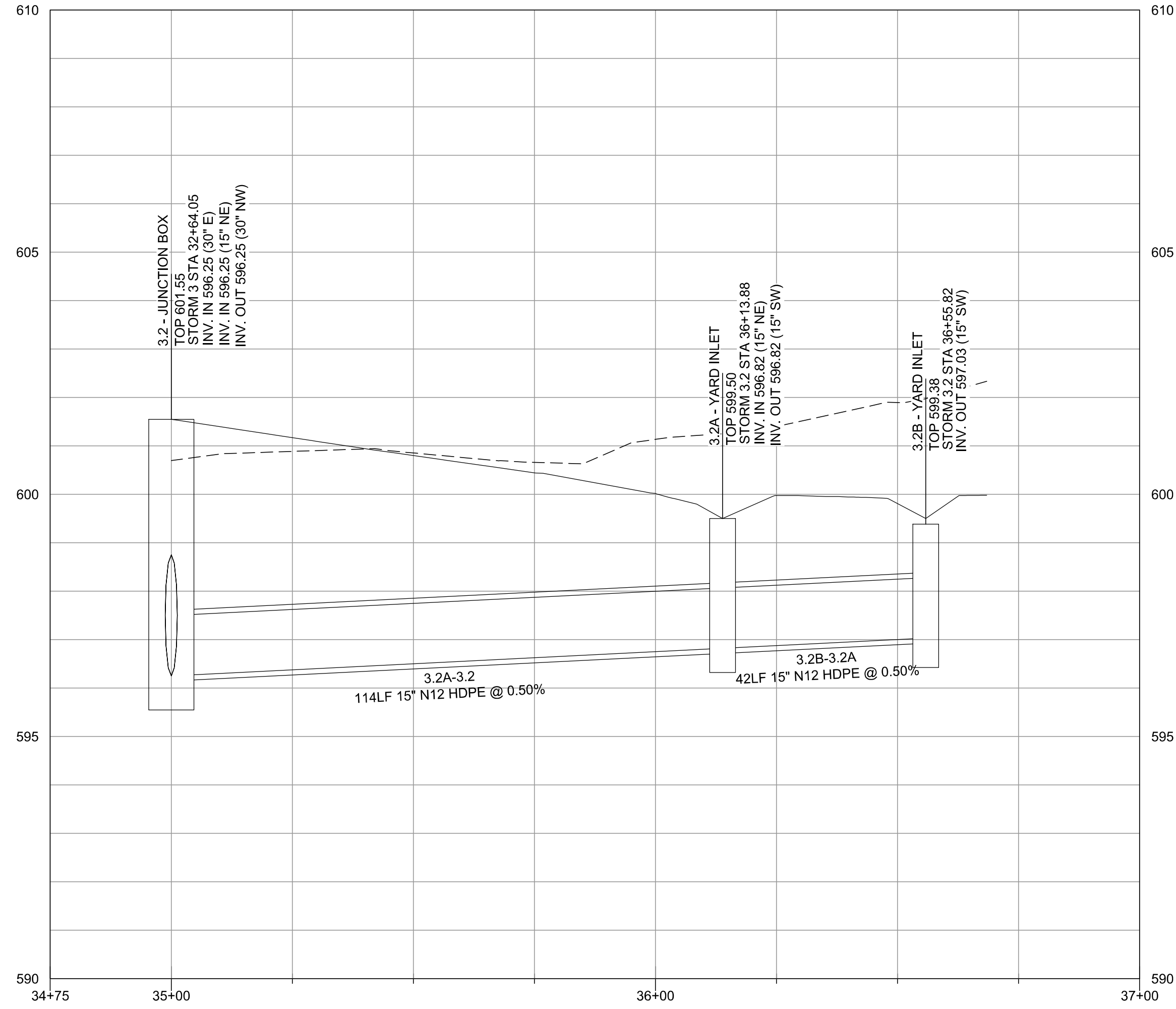
DRAINAGE PROFILES

CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION
0	HC	SC	04/21/2023	ISSUED FOR BID

**C4.02**  
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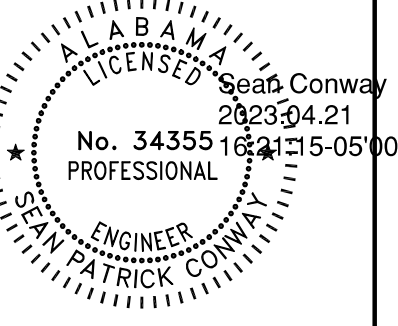
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REV.	DR.	CHK.	DATE	DESCRIPTION
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**C4.03**  
 FILE NO. 37106-05

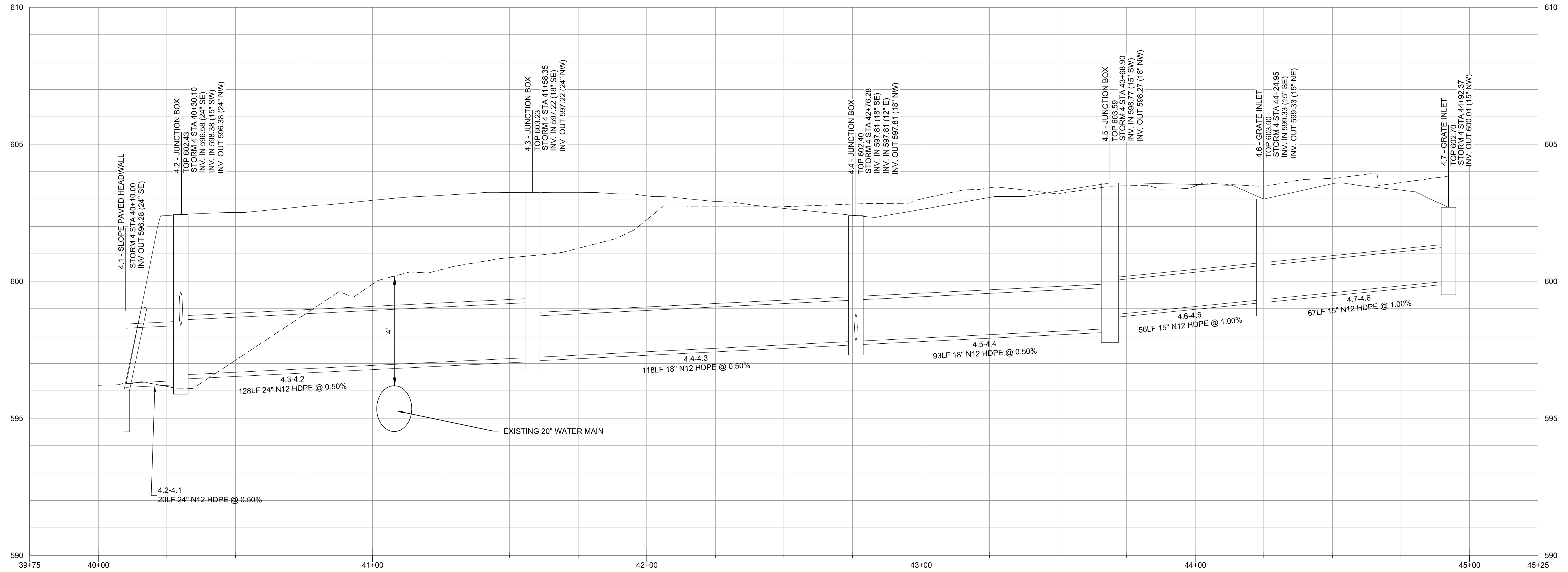
**DRAINAGE PROFILES**

**CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

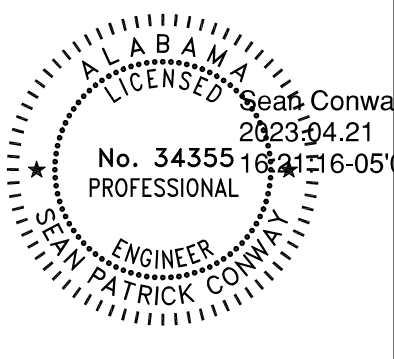


**BARGE**  
 DESIGN SOLUTIONS

200 Clinton Avenue / Suite 802 / Huntsville, Alabama 35891  
 PHONE (256) 533-1511 / FAX (256) 533-1594



STORM 4 PROFILE STA. 39+75 TO 45+25  
 SCALE: 1"=20' H  
 1"=2' V



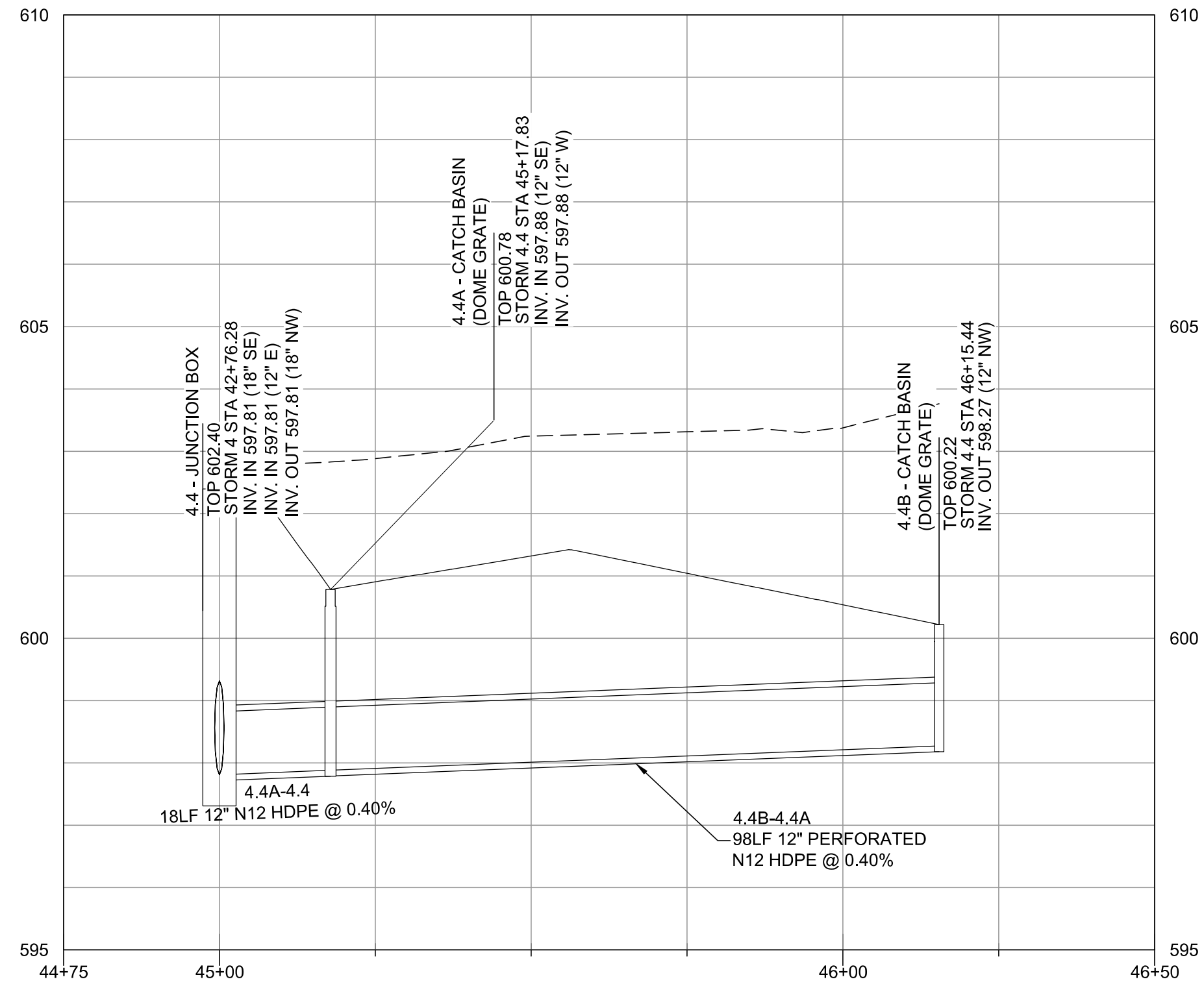
DRAINAGE PROFILES

CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

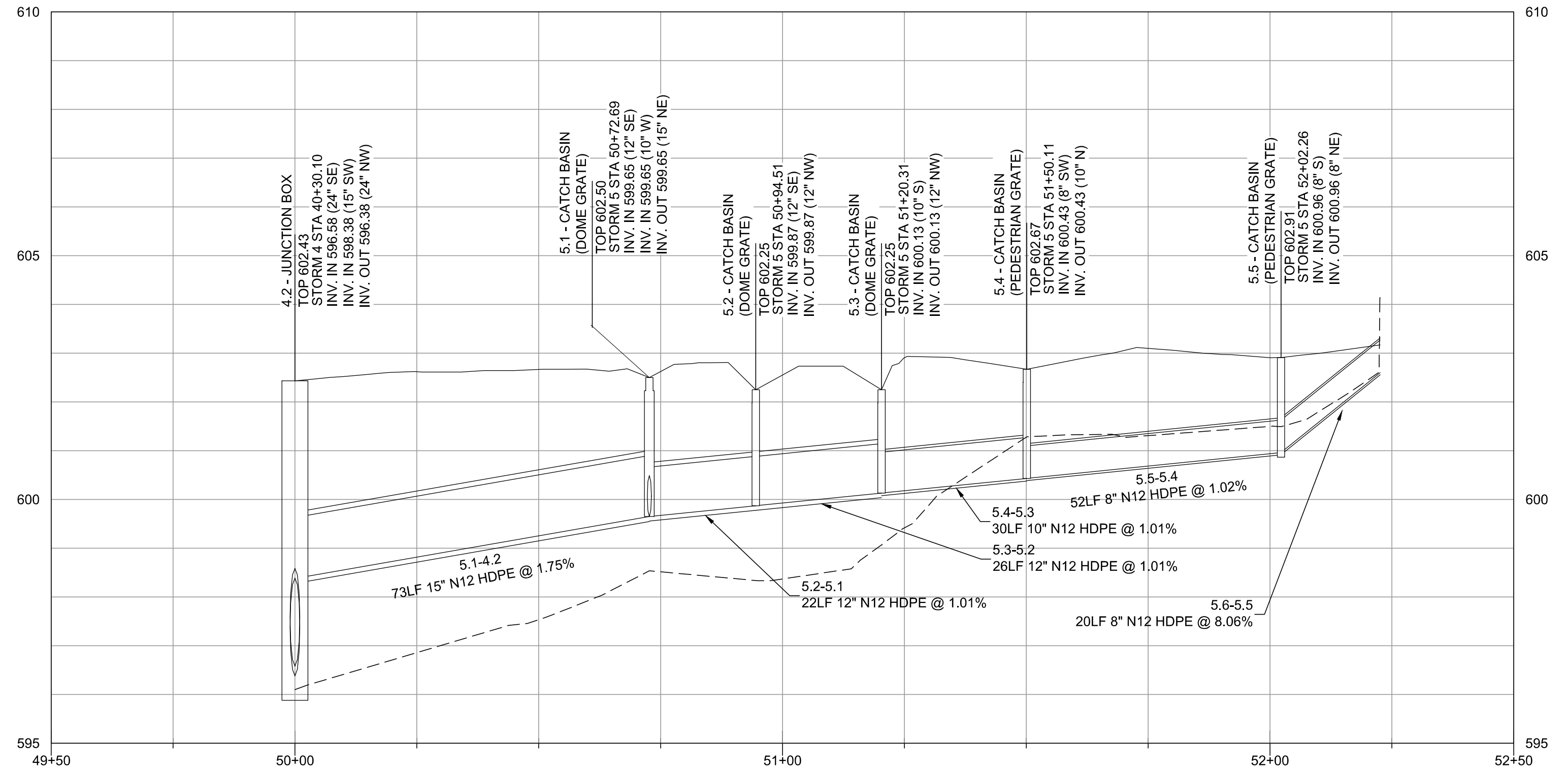
REV.	DR.	CHK.	DATE	DESCRIPTION
0	HC	SC	04/21/2023	ISSUED FOR BID



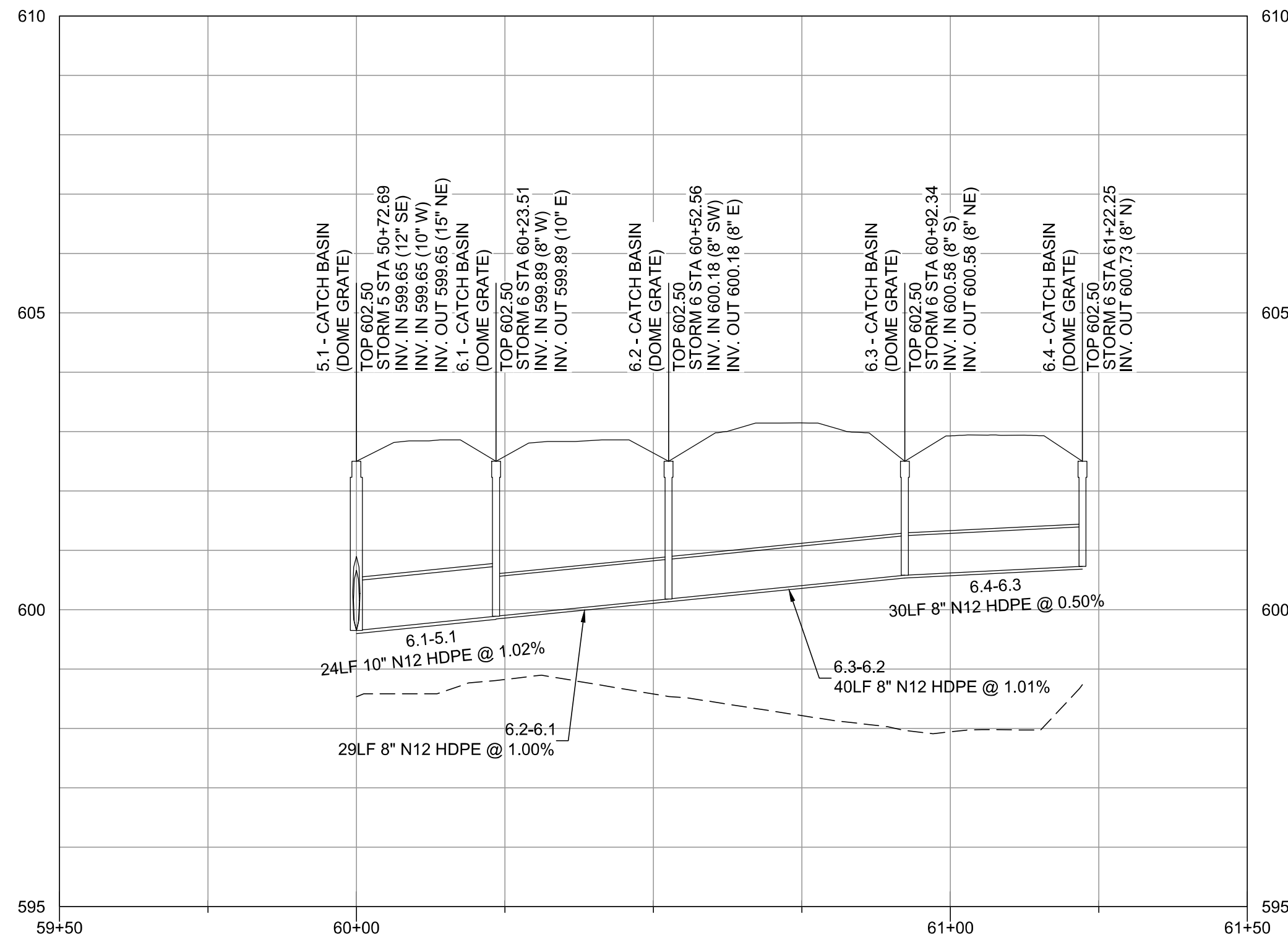
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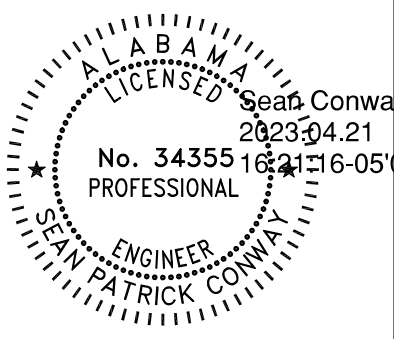
STORM 4.4 PROFILE STA. 44+75 TO 46+50  
 SCALE: 1"=20' H  
 1"=2' V



STORM 5 PROFILE STA. 49+50 TO 52+50  
 SCALE: 1"=20' H  
 1"=2' V

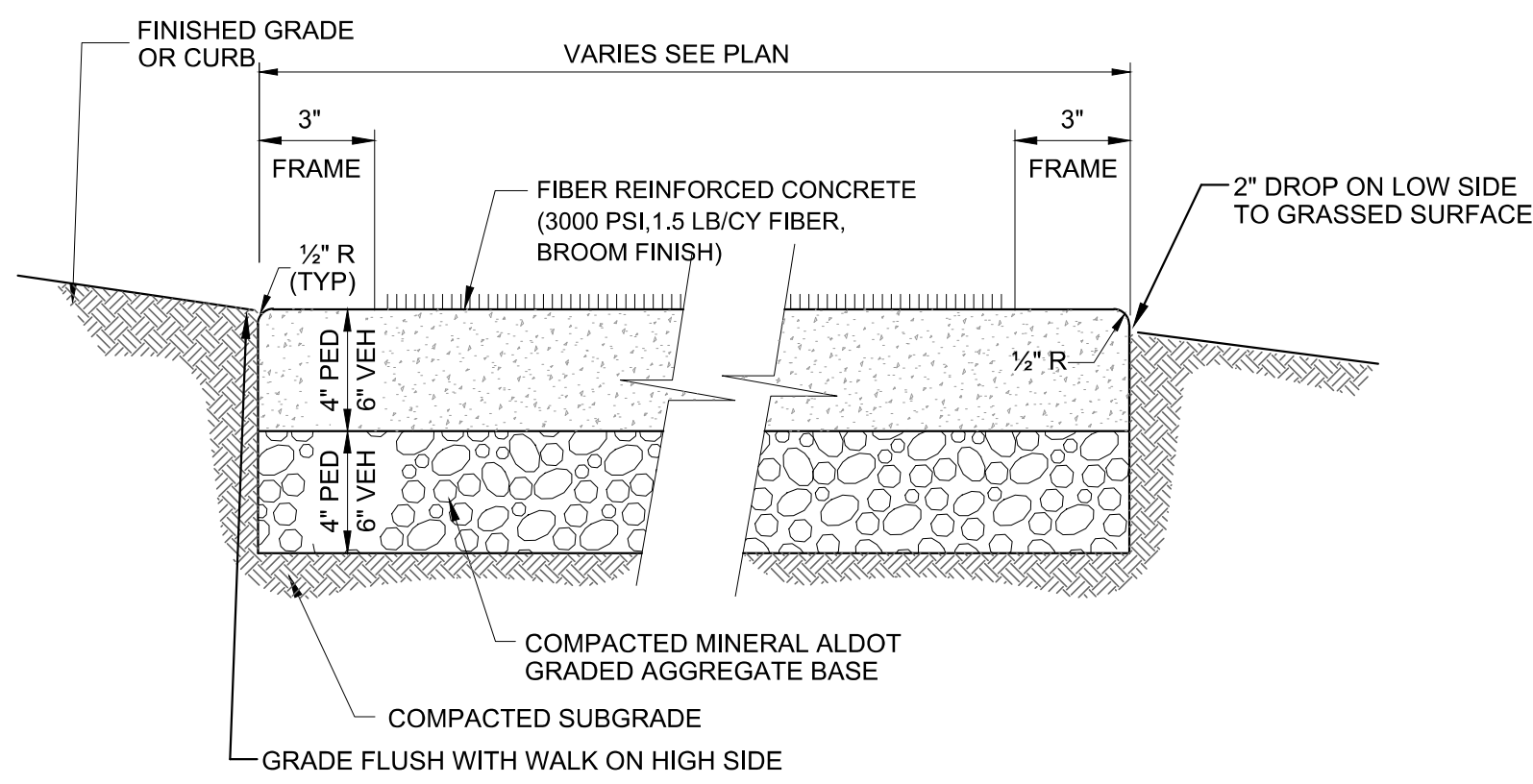


STORM 6 PROFILE STA. 59+50 TO 61+50  
 SCALE: 1"=20' H  
 1"=2' V



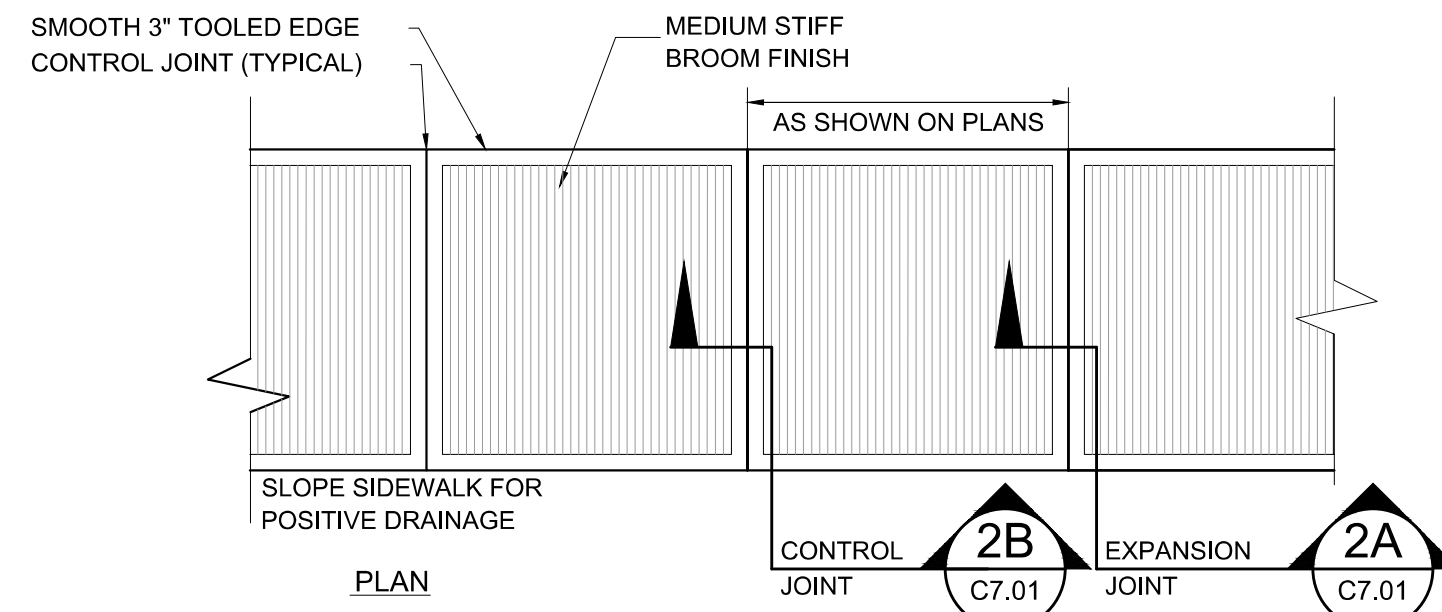
DRAINAGE PROFILES  
 CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
DR.	HC	04/21/2023	ISSUED FOR BID
REV.	0		



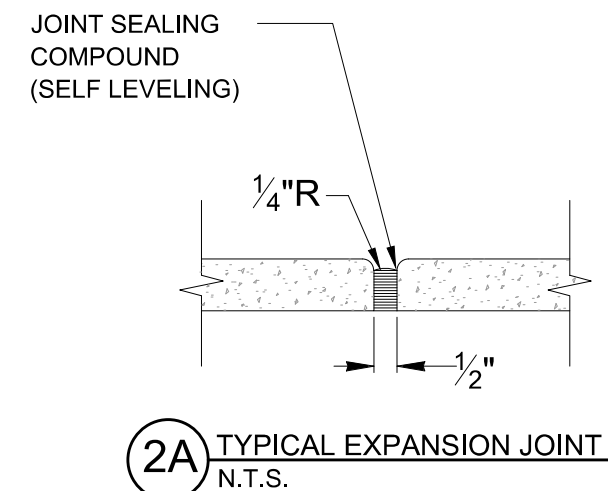
- NOTES:
1. PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT APPROX. 30' CENTERS AND 1/4" CONTRACTION JOINTS AS SHOWN ON PLANS. SEE DETAIL 3, SHEET L7.05

**1 CONCRETE SIDEWALK DETAIL**  
C7.01 N.T.S.

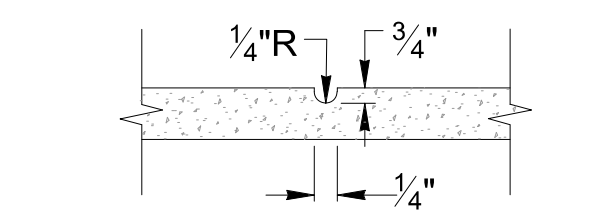


- HARDSCAPE NOTES
1. PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT APPROX. 30' CENTERS AND 1/4" CONTRACTION JOINTS AS SHOWN ON PLANS. SEE DETAIL 3, SHEET L7.05.
  2. CONCRETE FINISH TO BE MEDIUM BROOM FINISH WITH SMOOTH TOOLED EDGES AS SHOWN
  3. PATTERN OF BROOM TO BE PERPENDICULAR TO PEDESTRIAN TRAFFIC.
  4. TYPICAL CROSS SLOPE TO BE MAXIMUM 1.5%.
  5. CONCRETE TO BE 3000 PSI. / FIBER REINFORCED.

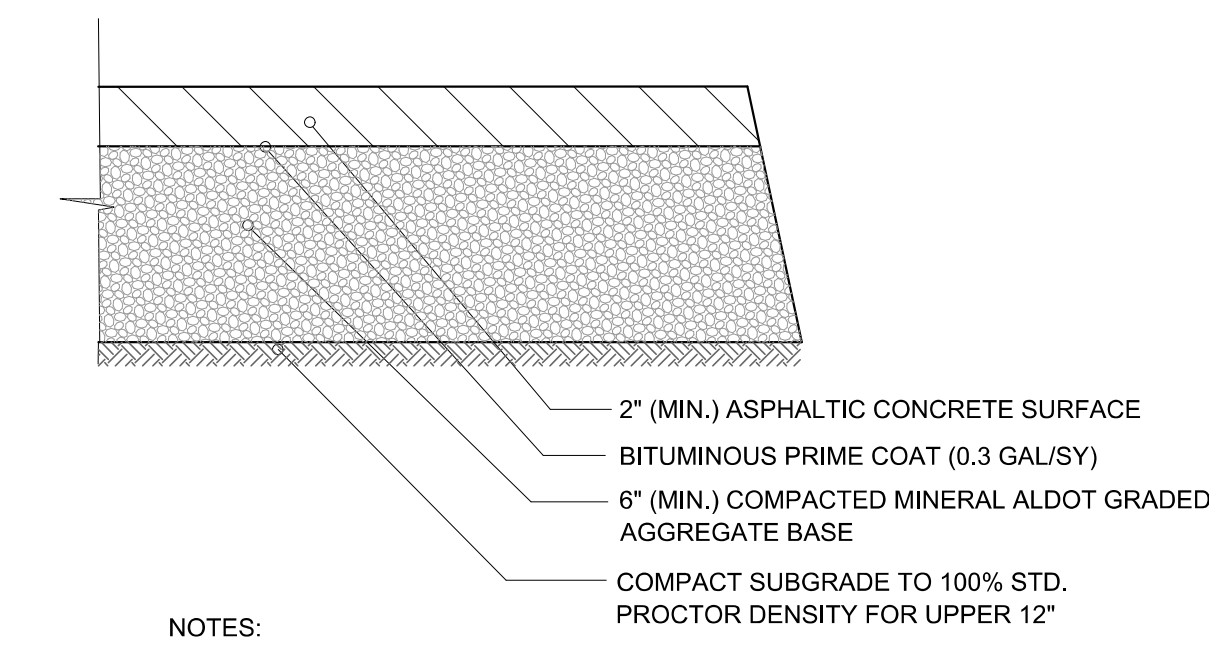
**2 CONCRETE FINISH DETAIL**  
C7.01 N.T.S.



**2A TYPICAL EXPANSION JOINT**  
N.T.S.

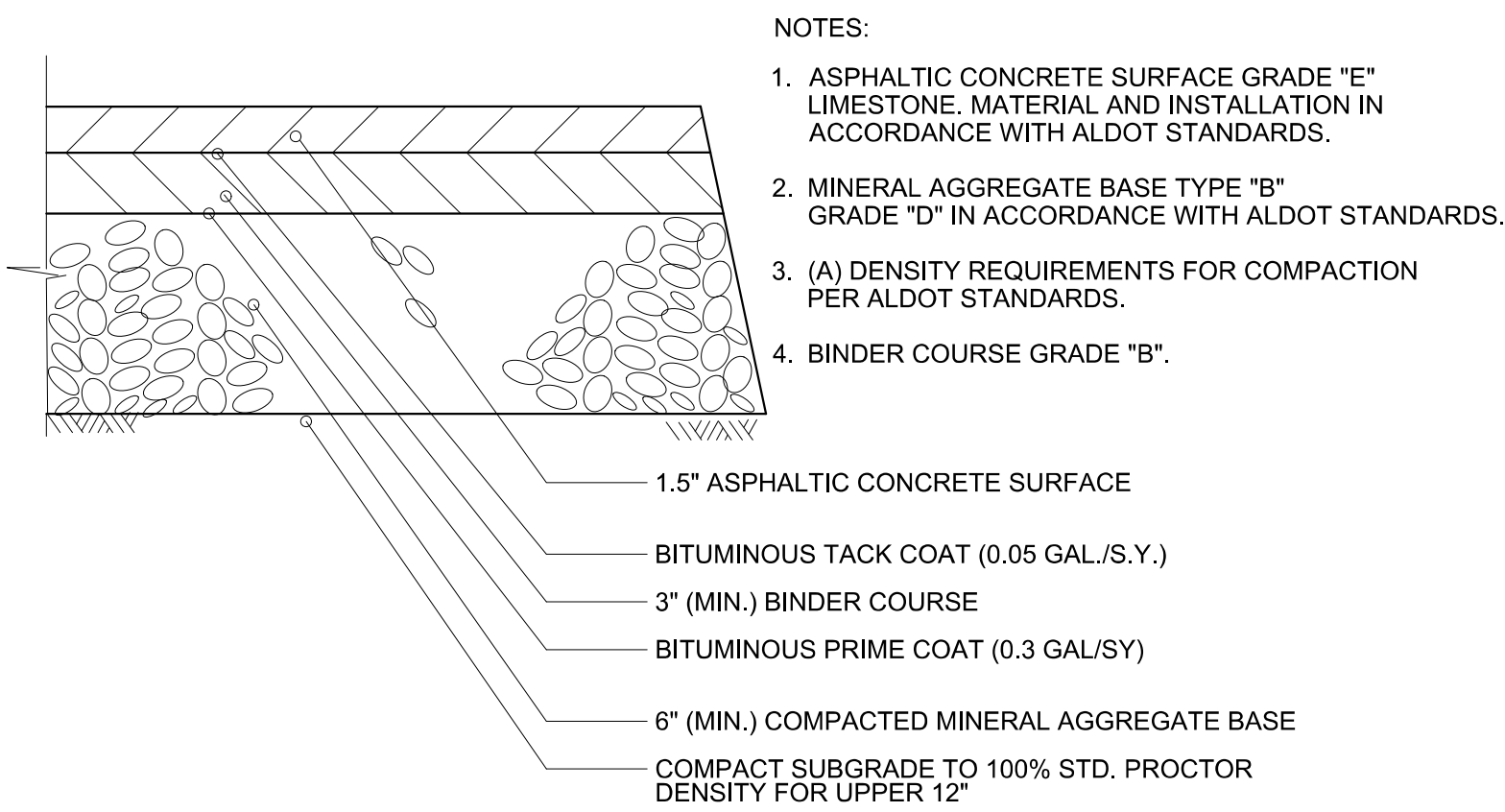


**2B TYPICAL TOOLED CONTROL JOINT**  
N.T.S.



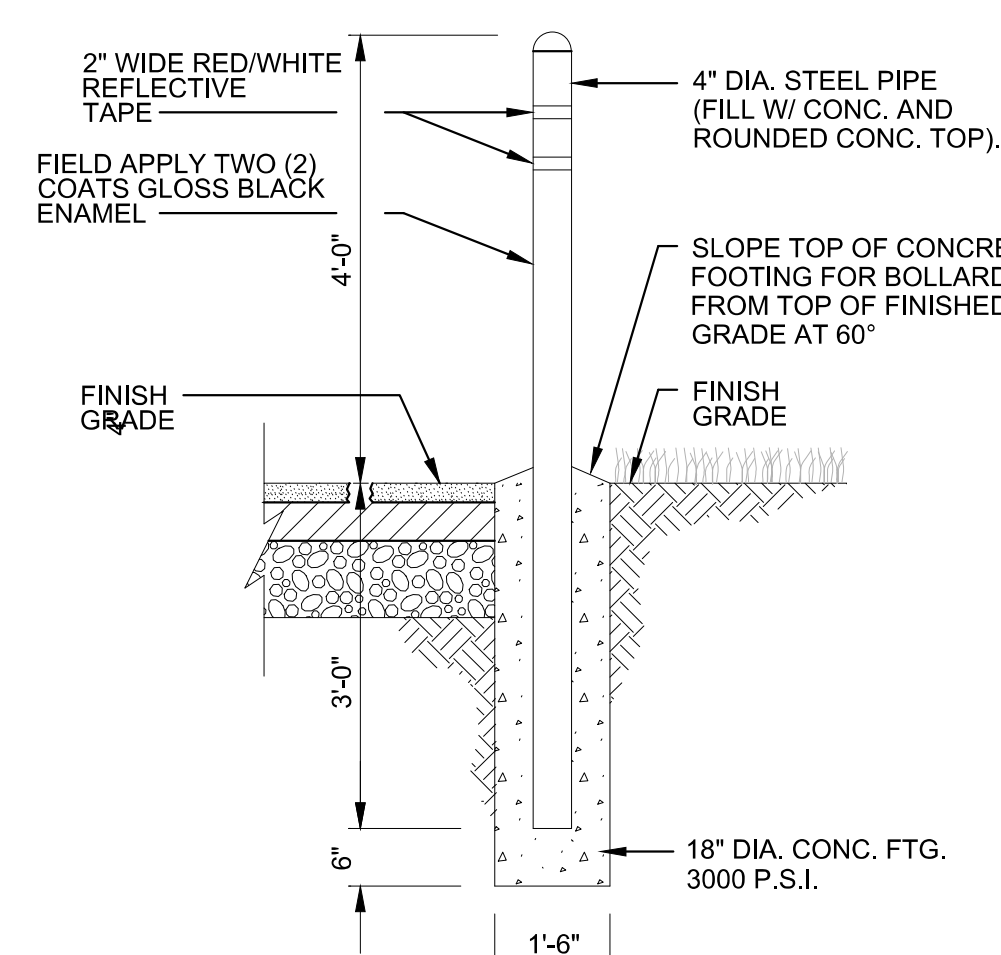
- NOTES:
1. ASPHALTIC CONCRETE SURFACE (HOT MIX) GRADE E OR F IN ACCORDANCE WITH ALDOT STANDARDS.
  2. COMPACTED MINERAL ALDOT GRADED AGGREGATE BASE.
  3. (A) DENSITY REQUIREMENTS FOR COMPACTION PER ALDOT STANDARDS.

**3 STANDARD DUTY ASPHALT PAVING DETAIL**  
C7.01 N.T.S.

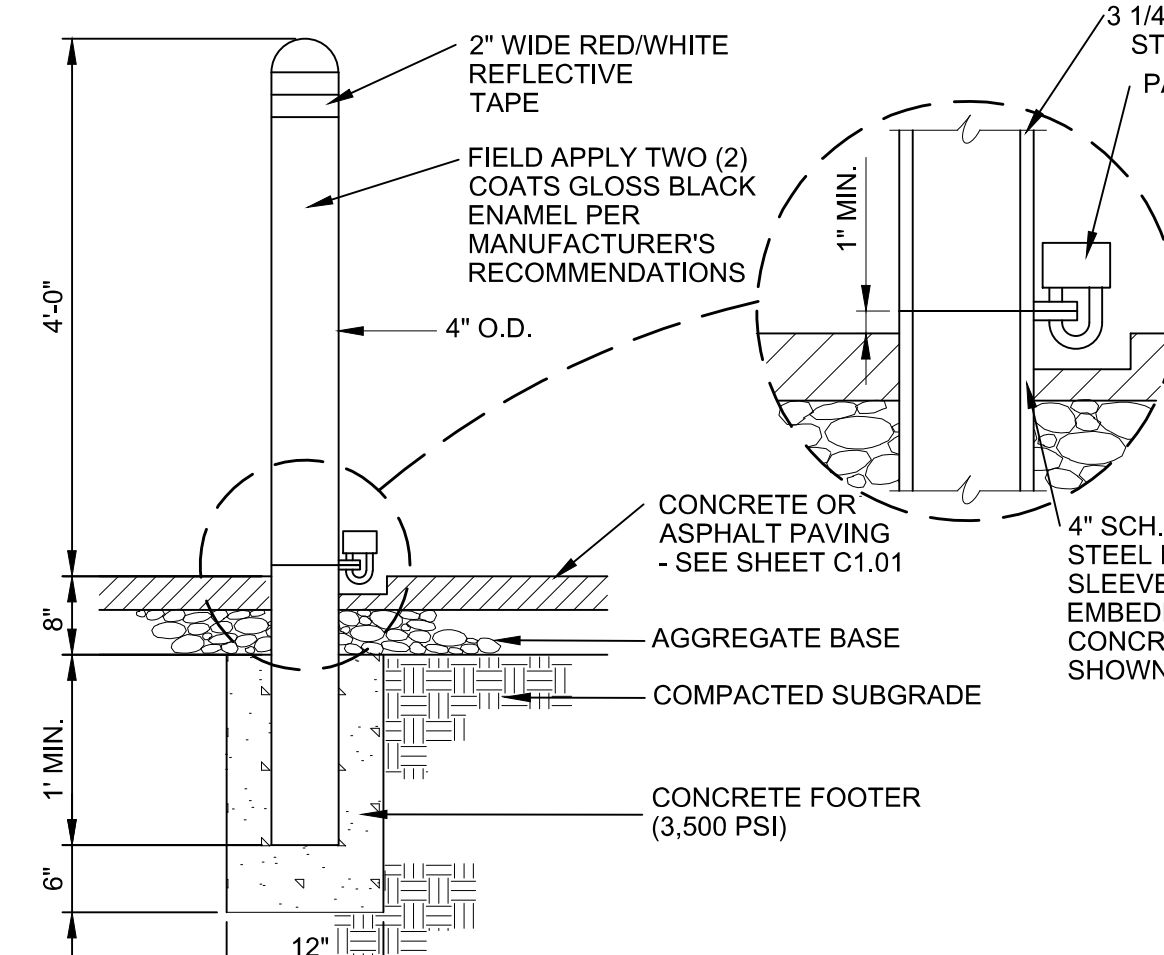


- NOTES:
1. ASPHALTIC CONCRETE SURFACE GRADE "E" LIMESTONE. MATERIAL AND INSTALLATION IN ACCORDANCE WITH ALDOT STANDARDS.
  2. MINERAL AGGREGATE BASE TYPE "B" GRADE "D" IN ACCORDANCE WITH ALDOT STANDARDS.
  3. (A) DENSITY REQUIREMENTS FOR COMPACTION PER ALDOT STANDARDS.
  4. BINDER COURSE GRADE "B".

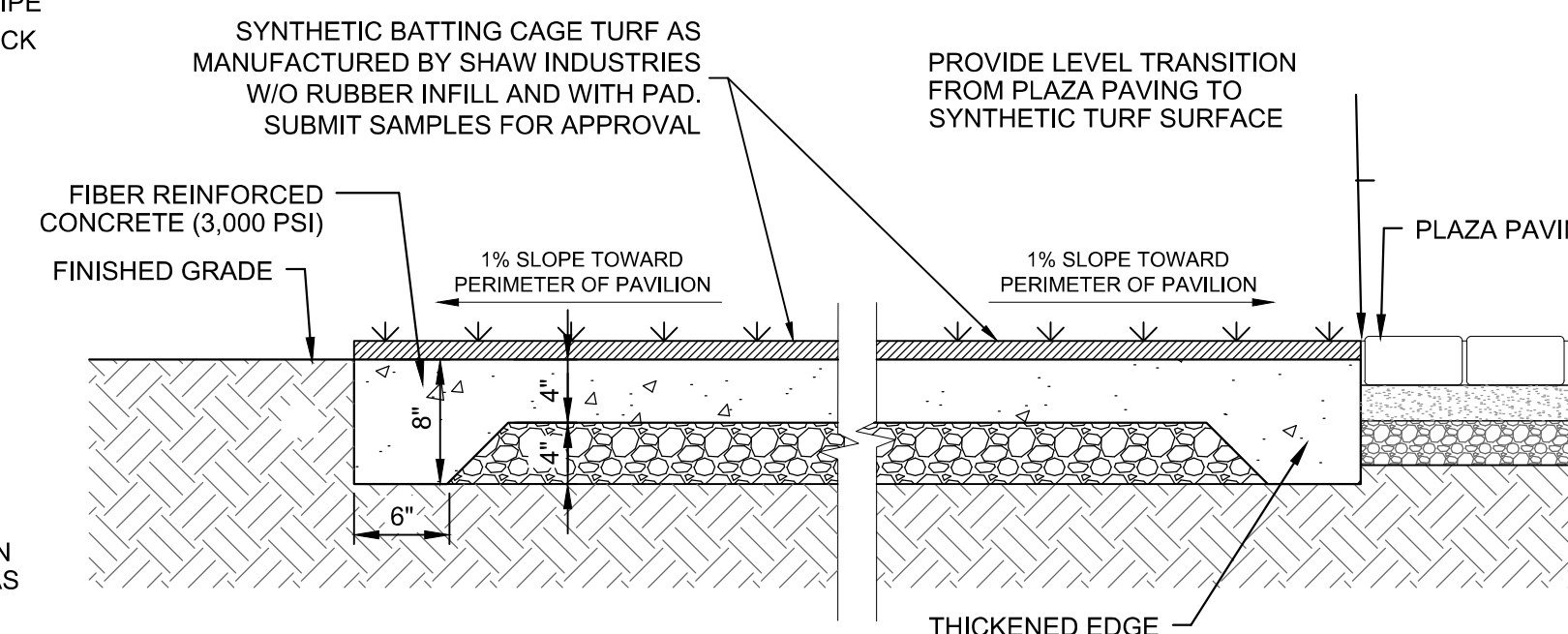
**4 HEAVY DUTY ASPHALT PAVING DETAIL**  
C7.01 N.T.S.



**5A PIPE BOLLARD**  
N.T.S.

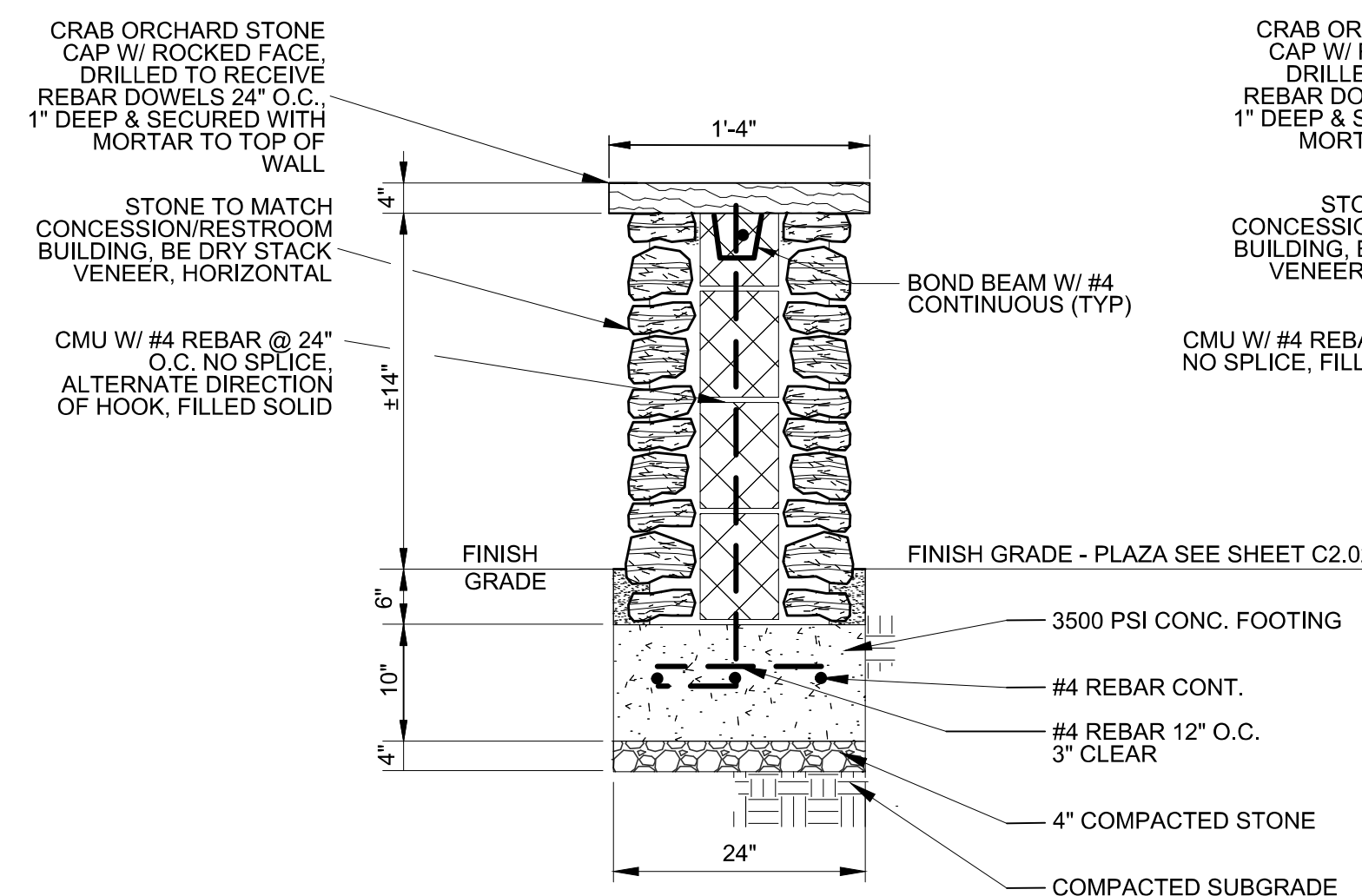


**5B REMOVABLE BOLLARD**  
N.T.S.

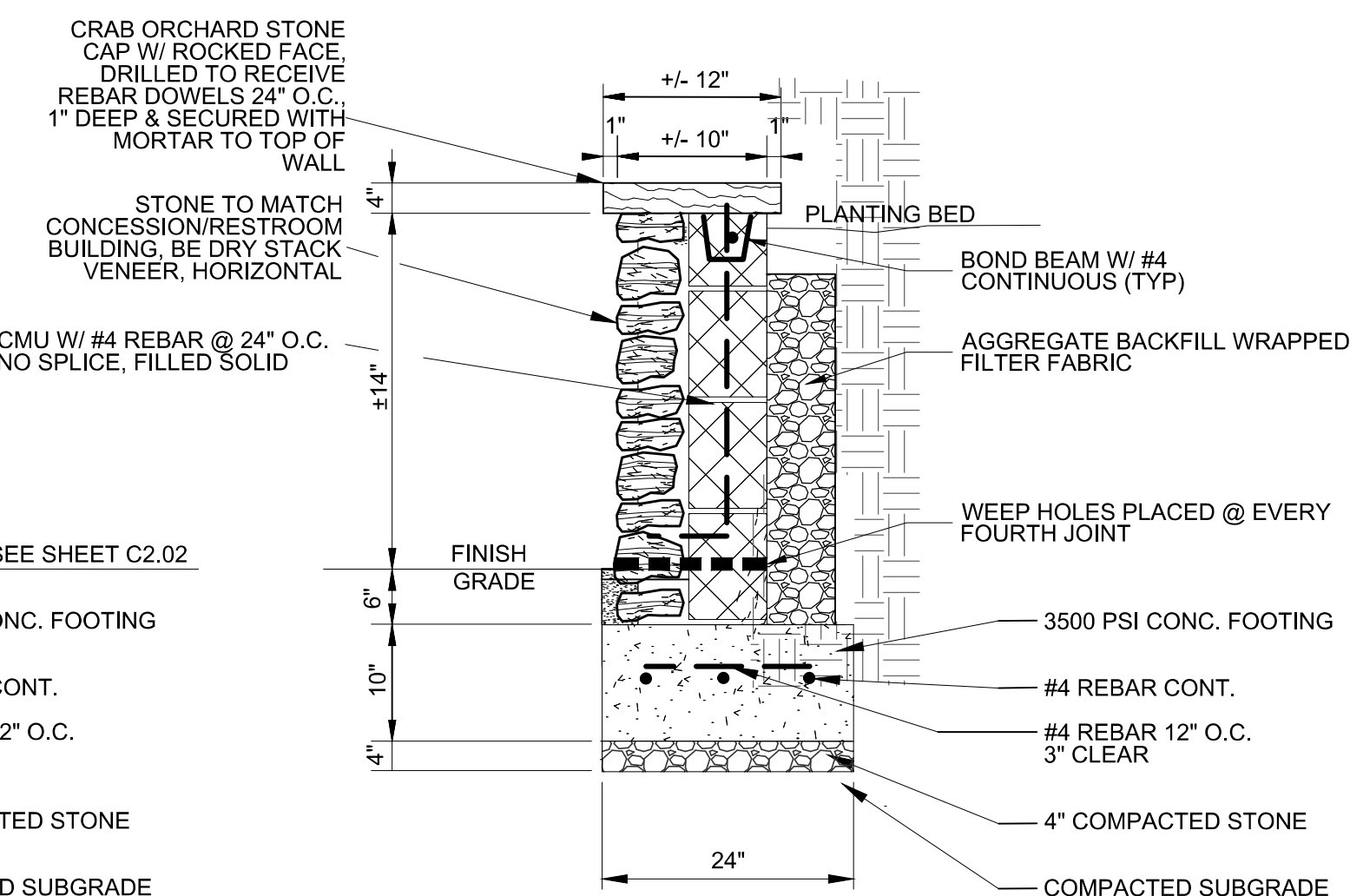


- NOTE:
1. INSTALL TURF ACCORDING TO MANUFACTURER'S RECOMMENDATIONS
  2. PROVIDE POSITIVE DRAINAGE AWAY FROM INTERIOR OF PAVILION.
  3. PREFORMED 3/8" EXPANSION JOINTS SHALL BE PLACED WHERE CONCRETE ABUTS PAVILION COLUMNS.

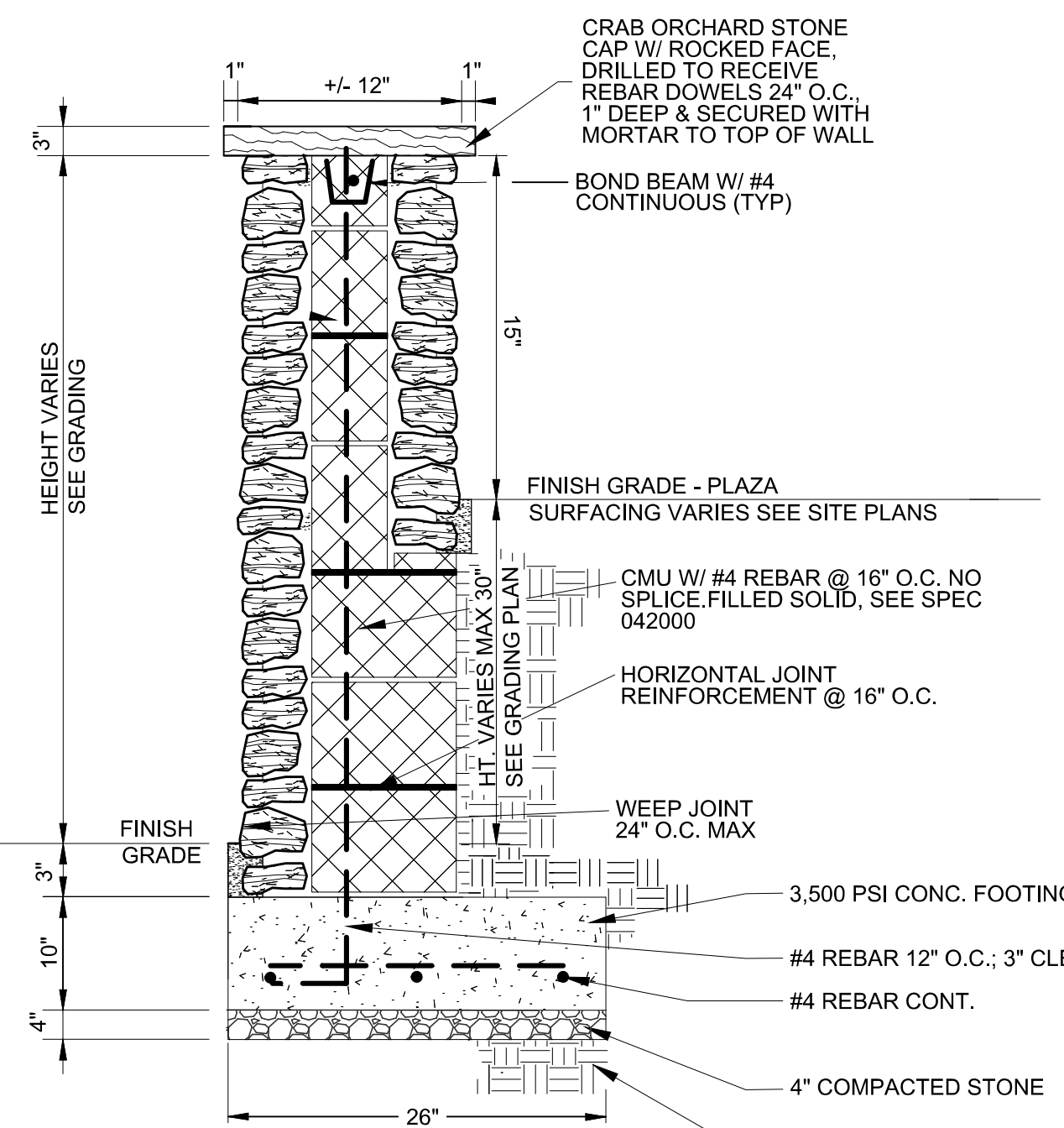
**6 BATTING CAGE SURFACE DETAIL**  
C7.01 N.T.S.



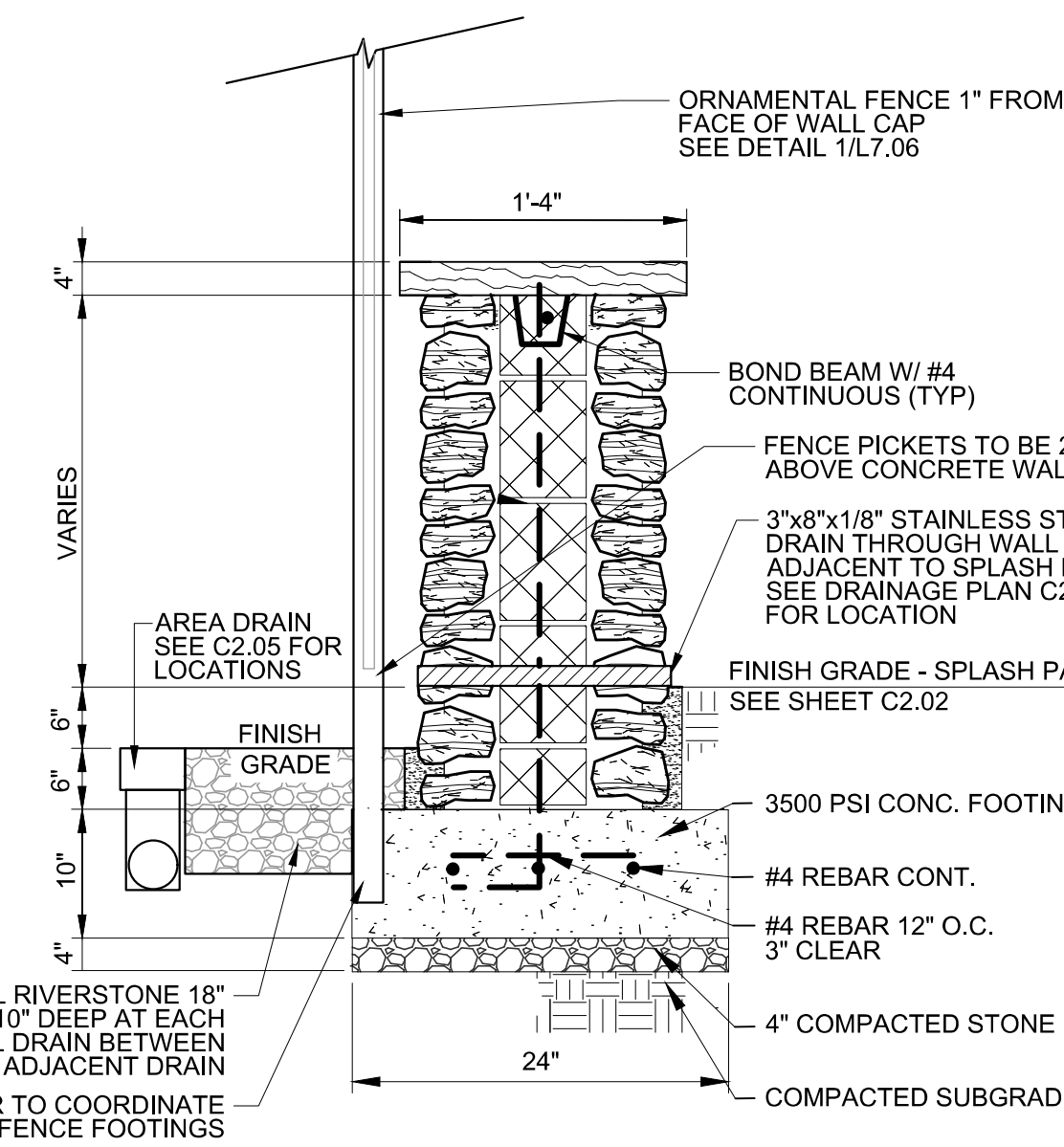
**7A SEAT WALL @ PLAZA (TYP.)**  
N.T.S.



**7B SEAT WALL @ PLANTER (TYP.)**  
N.T.S.



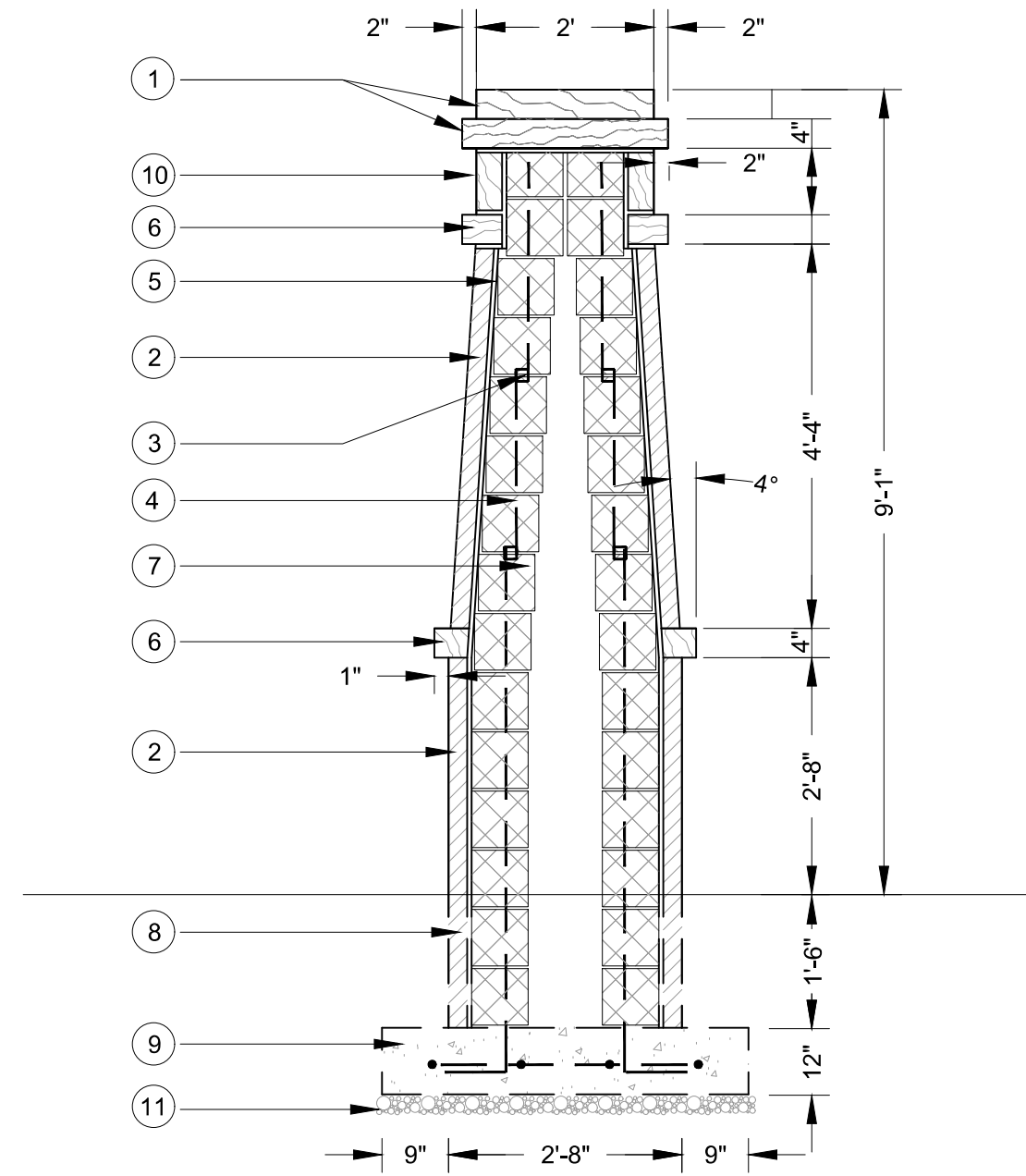
**7C SEAT / RETAINING WALL @ PARKING LOT (TYP.)**  
N.T.S.



**7D SEAT WALL @ SPLASH PAD (TYP.)**  
N.T.S.

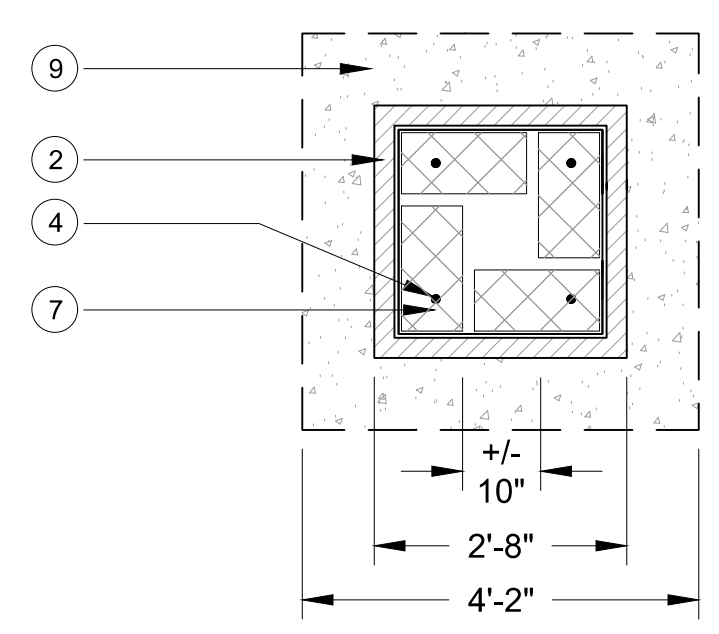
**7 SEAT / RETAINING WALL DETAILS**  
C7.01 N.T.S.

REV.	DATE	DESCRIPTION	ISSUED FOR
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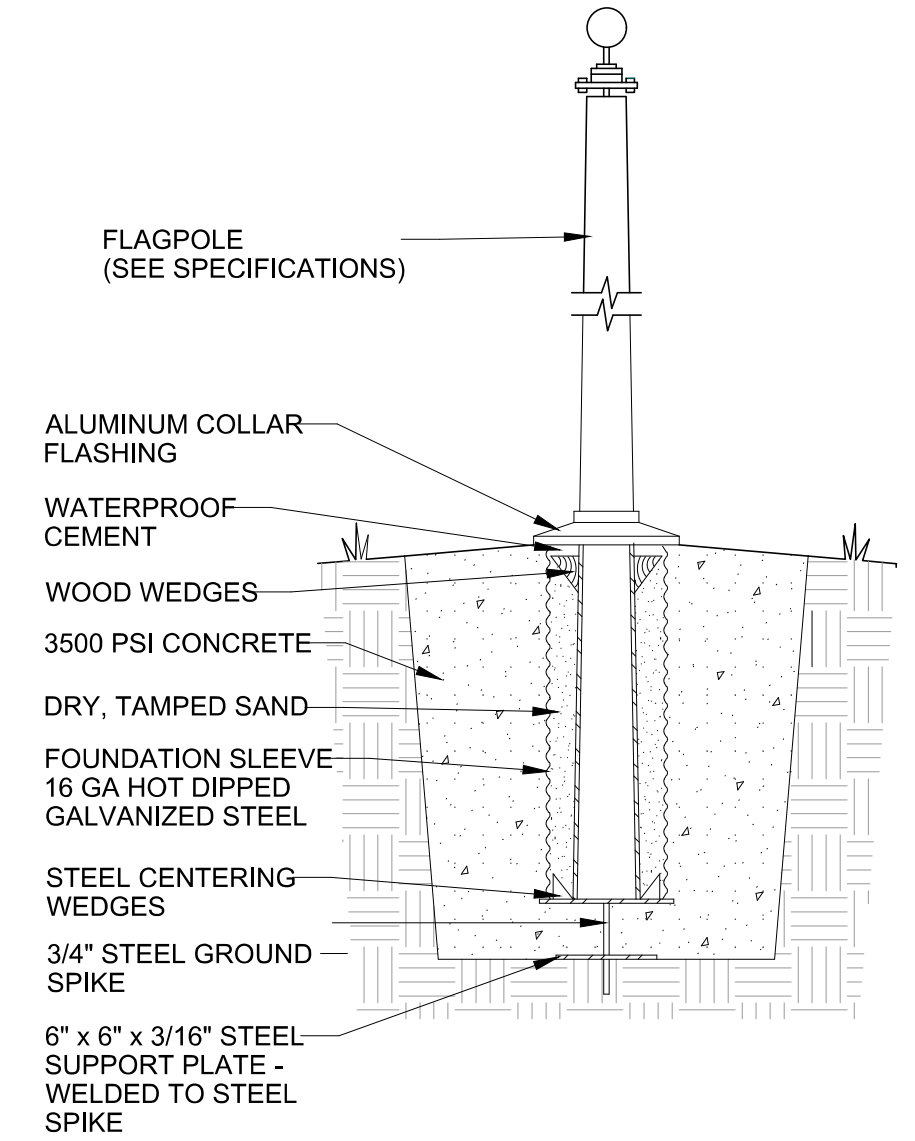


- KEY**
- 4" SEQUATCHIE COUNTY BLUE STONE CAP WITH ROCKED FACE
  - CAST STONE VENEER TO MATCH BUILDING
  - HORIZONTAL WALL TIES EVERY 2 COURSES OF CMU
  - #4 REBAR (TYP. 4 PER COLUMN) 3" CLEAR
  - BATTER COLUMN; BATTER TO MATCH ON ALL COLUMNS
  - 4" SEQUATCHIE COUNTY BLUE STONE LEDGE WITH ROCKED FACE
  - 8" CMU FILLED SOLID W/ NON SHRINKING GROUT
  - VENEER TO EXTEND MIN. 6" BELOW GRADE
  - 3500 psi CONCRETE FOOTING WITH #4 REBAR 12" O.C. BOTH WAYS
  - VERTICALLY PLACED CAST STONE (SOUTHERN LEDGE STONE) TO MATCH BUILDING
  - 6" COMPACTED STONE BASE

- NOTES**
- CAST STONE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
  - CONTRACTOR TO INSTALL WALL TIES AS REQUIRED BY MANUFACTURER

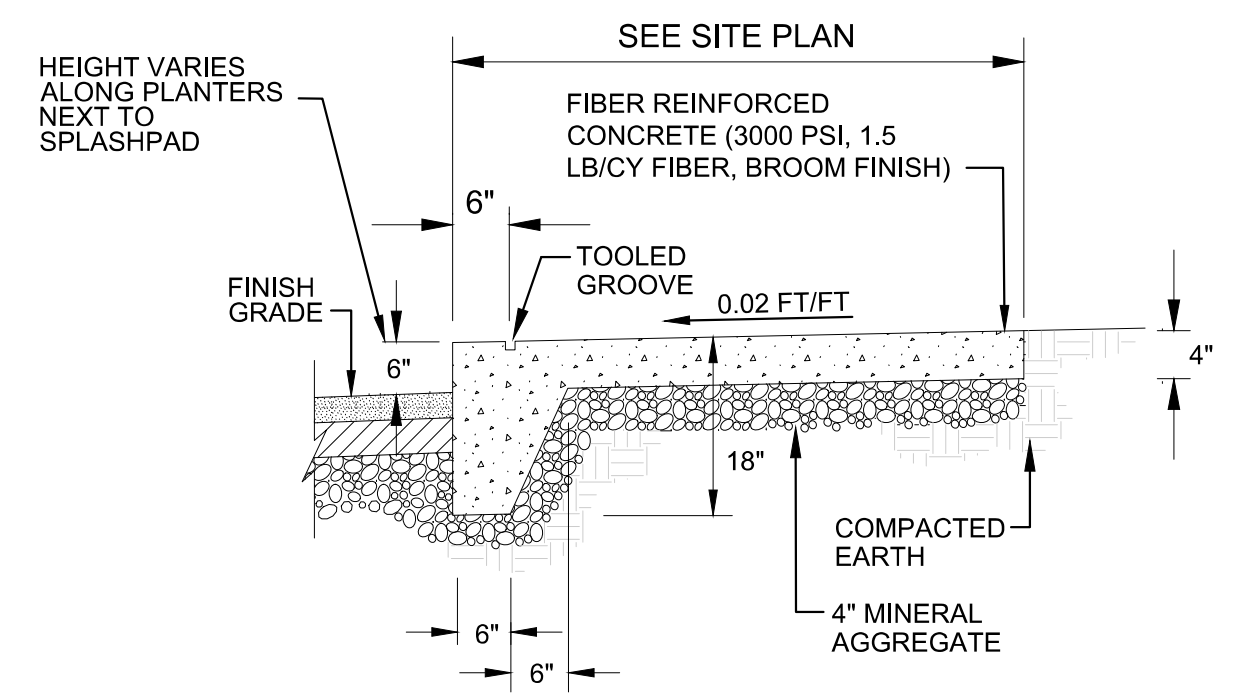


**1 COLUMN SECTION**  
C7.02 SCALE: 1/2" = 1'-0"



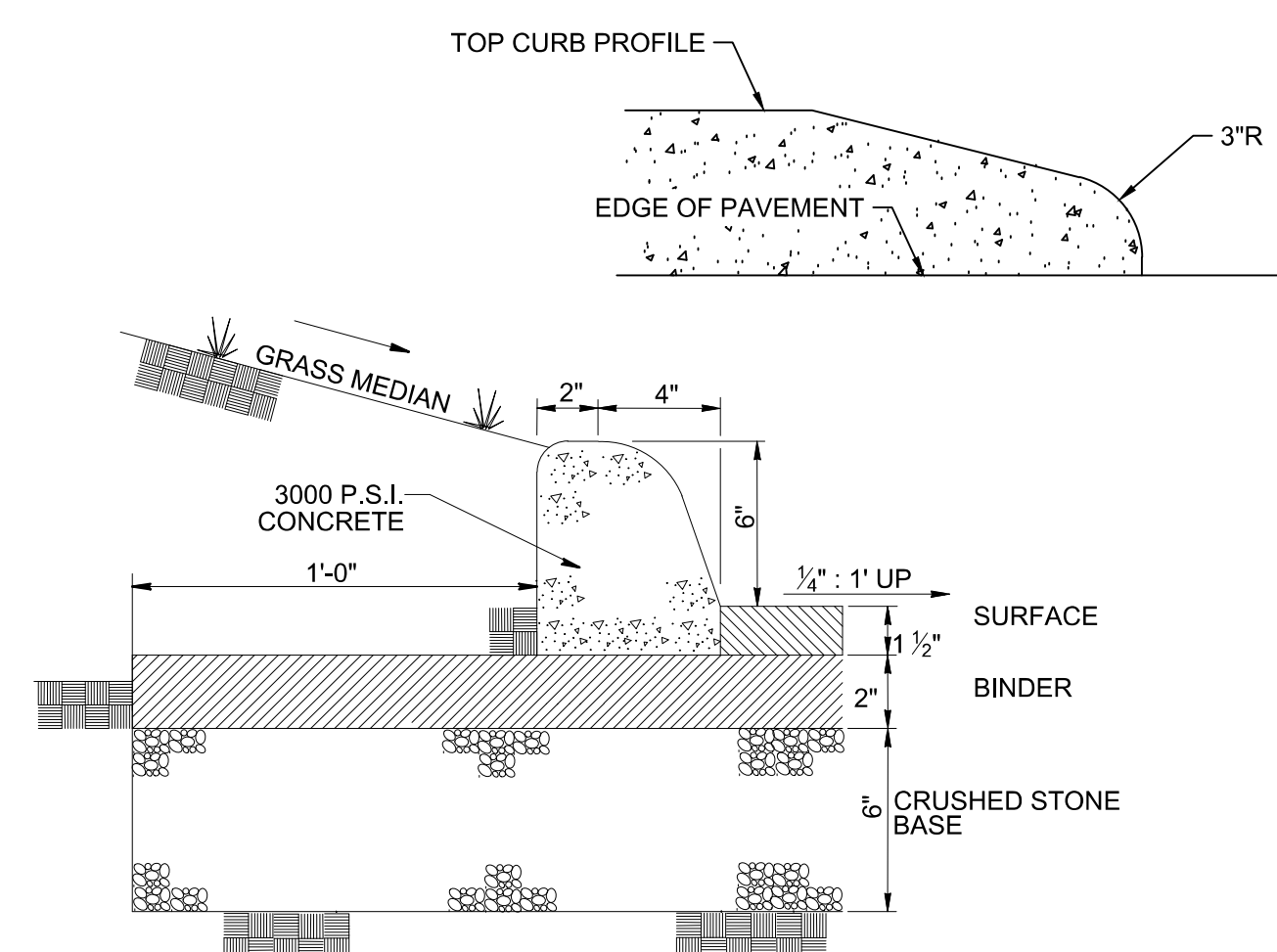
- NOTES:**
- FOOTING DIMENSIONS TO BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
  - POLE TO INCLUDE AN INTERNAL HALYARD WITH WINCH.
  - ONE FLAGPOLE REQUIRED @ 30' EXPOSED HEIGHT

**2 FLAGPOLE DETAIL**  
C7.02 NOT TO SCALE



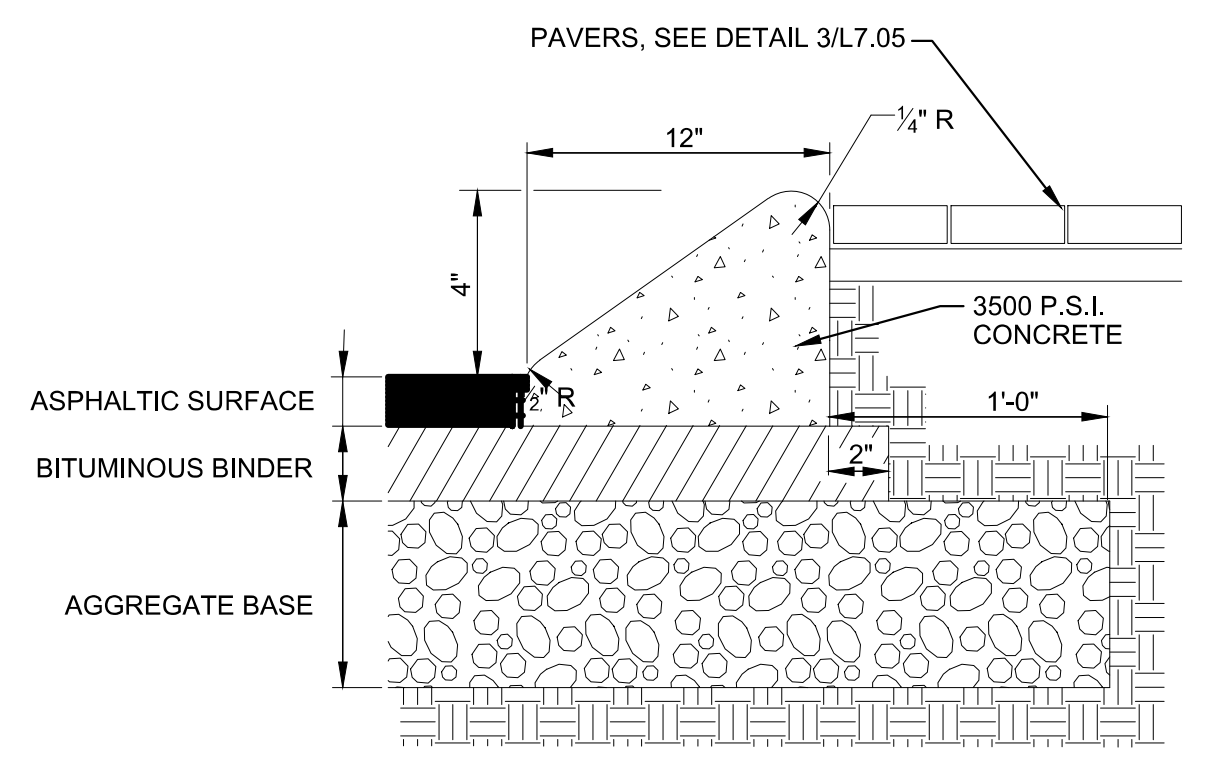
NOTE: PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 18' CENTERS AND 1/4" CONTRACTION JOINTS EQUALLY SPACED AT 6' CENTERS BETWEEN EXPANSION JOINTS.

**3 TURNDOWN SLAB CONCRETE WALK**  
C7.02 NTS



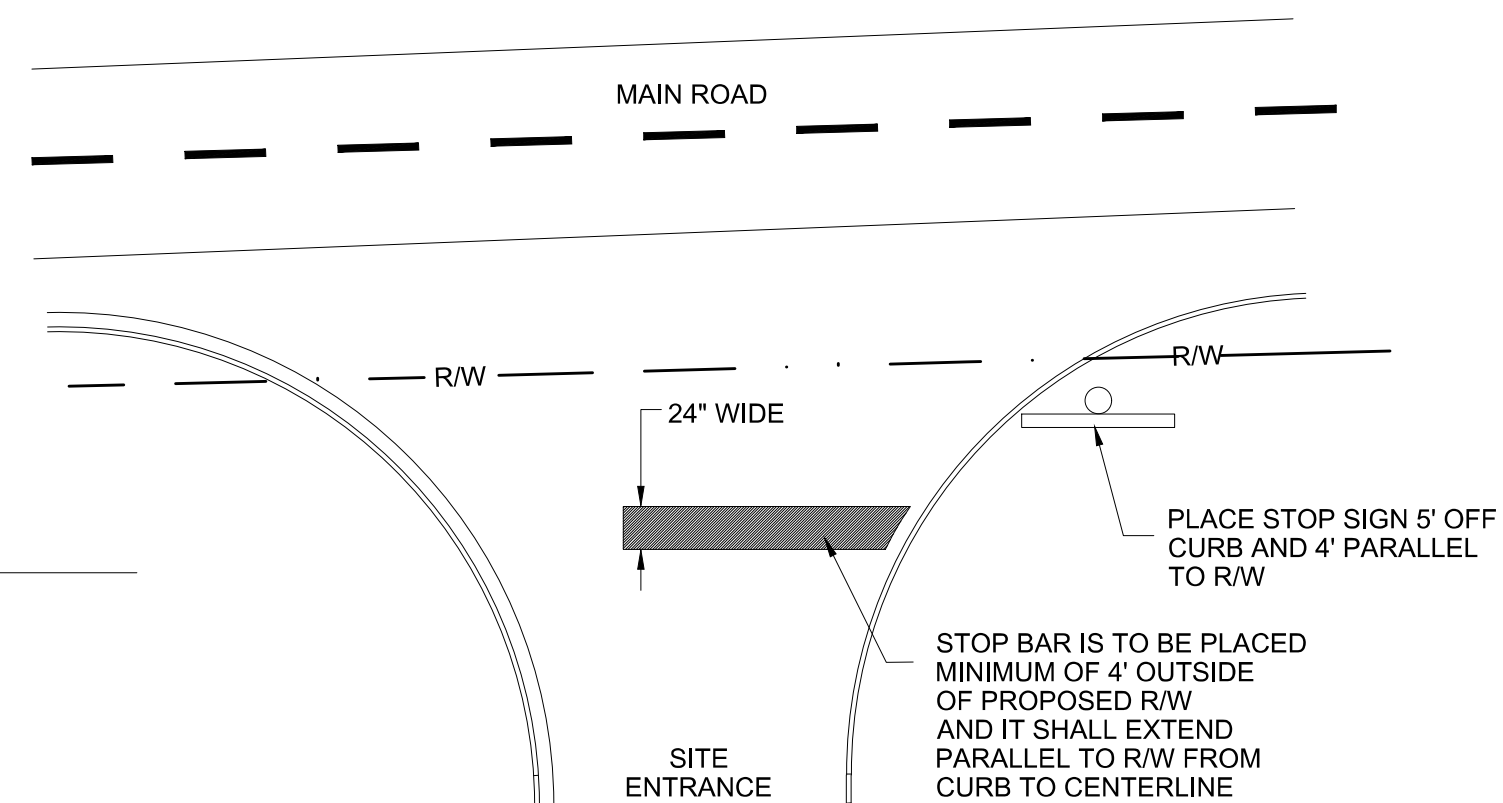
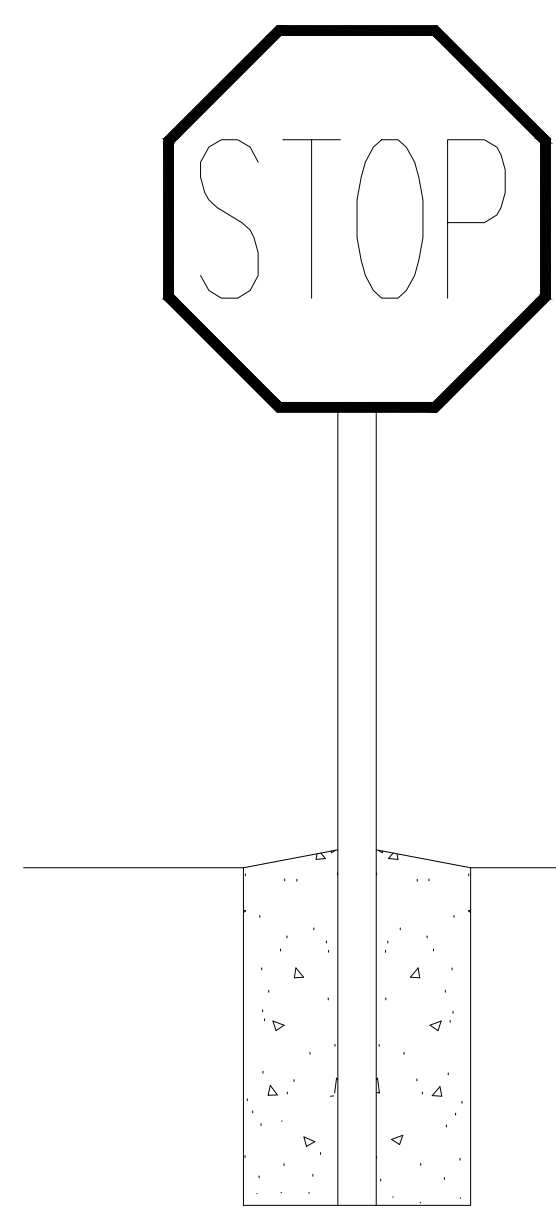
- NOTES:**
- EXPANSION AND CONTRACTION JOINTS SHALL BE SPACED AT 50' O.C. SEE TYPICAL EXPANSION JOINT DETAIL #6 THIS SHEET
  - EXACT CURB DIMENSIONS MAY BE ALTERED SLIGHTLY TO FIT STANDARD EXTRUDED CURB MACHINES, BUT SUCH VARIANCES MUST BE APPROVED BY THE ENGINEER. SUBMIT PROPOSED CURB TEMPLATE FOR APPROVAL.
  - SAME MATERIAL SPECIFICATIONS AS DETAIL 1 THIS SHEET.

**4 STANDARD EXTRUDED CURB DETAIL**  
C7.02 NTS



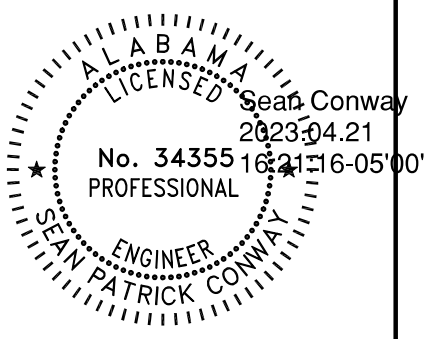
- NOTES:**
- EXPANSION JOINTS SHALL BE SPACED AT 30' CENTERS AND CONTROL JOINTS AT 10' CENTERS.
  - EXACT CURB DIMENSIONS MAY BE ALTERED SLIGHTLY TO FIT STANDARD EXTRUDED CURB MACHINES, BUT SUCH VARIANCES MUST BE APPROVED BY THE ENGINEER.

**5 MOUNTABLE EXTRUDED CURB**  
C7.02 N.T.S.

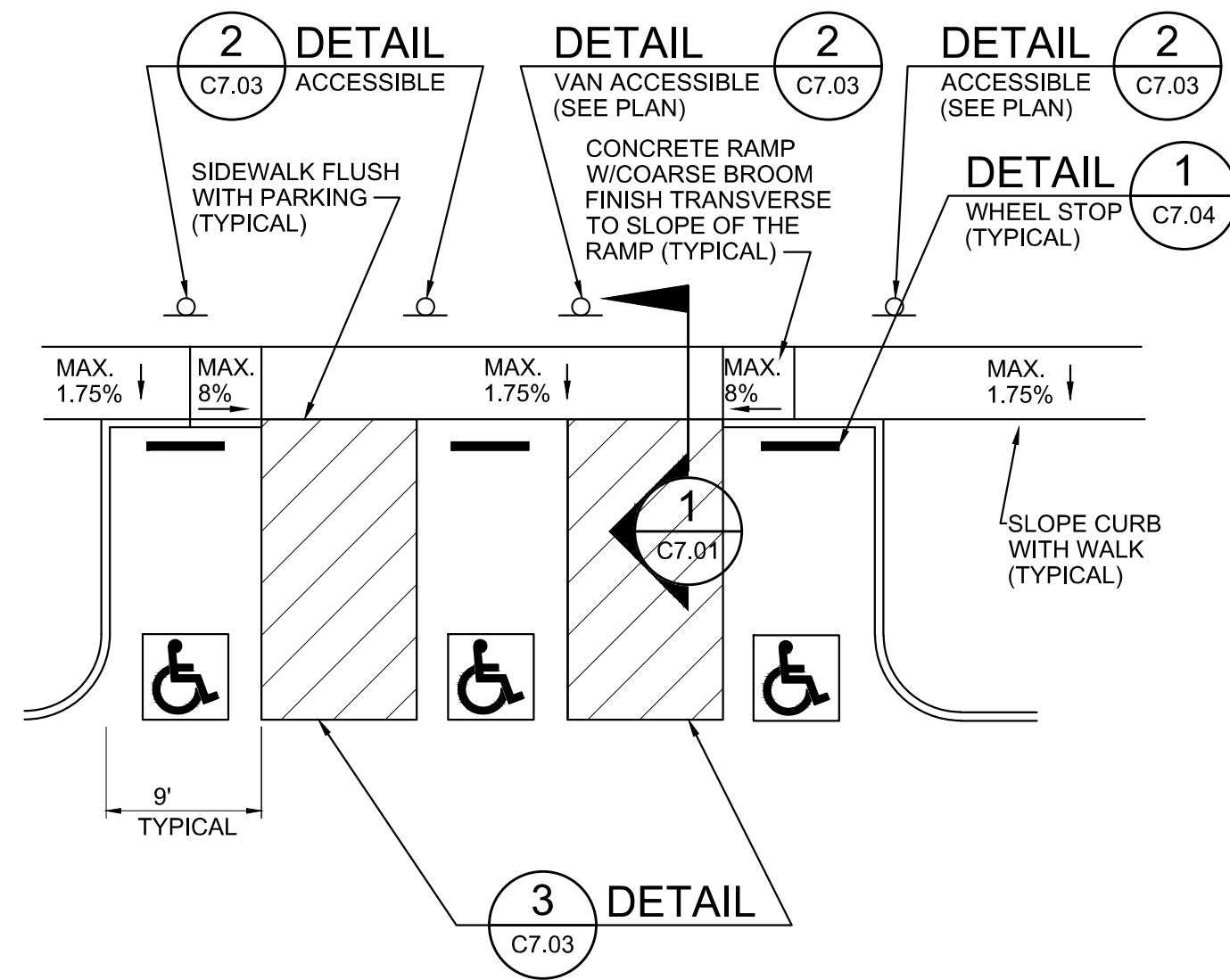


NOTE: STOP SIGN PER MUTCD STANDARD R1-1. FOLLOW ALDOT STANDARDS FOR SIGN INSTALLATION.

**6 STOP SIGN AND STOP BAR DETAIL**  
C7.02 N.T.S.

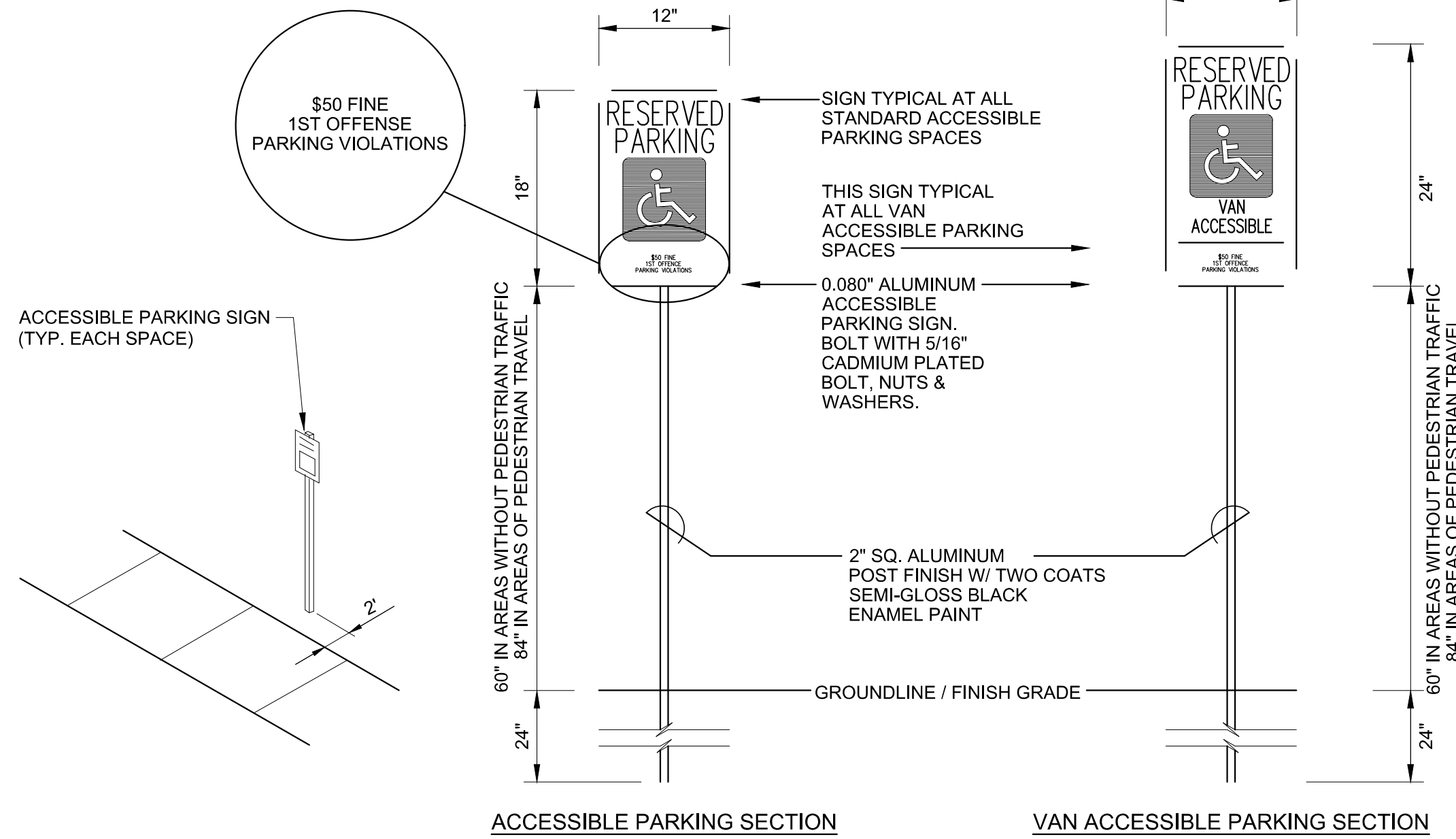


REVISION INFORMATION	
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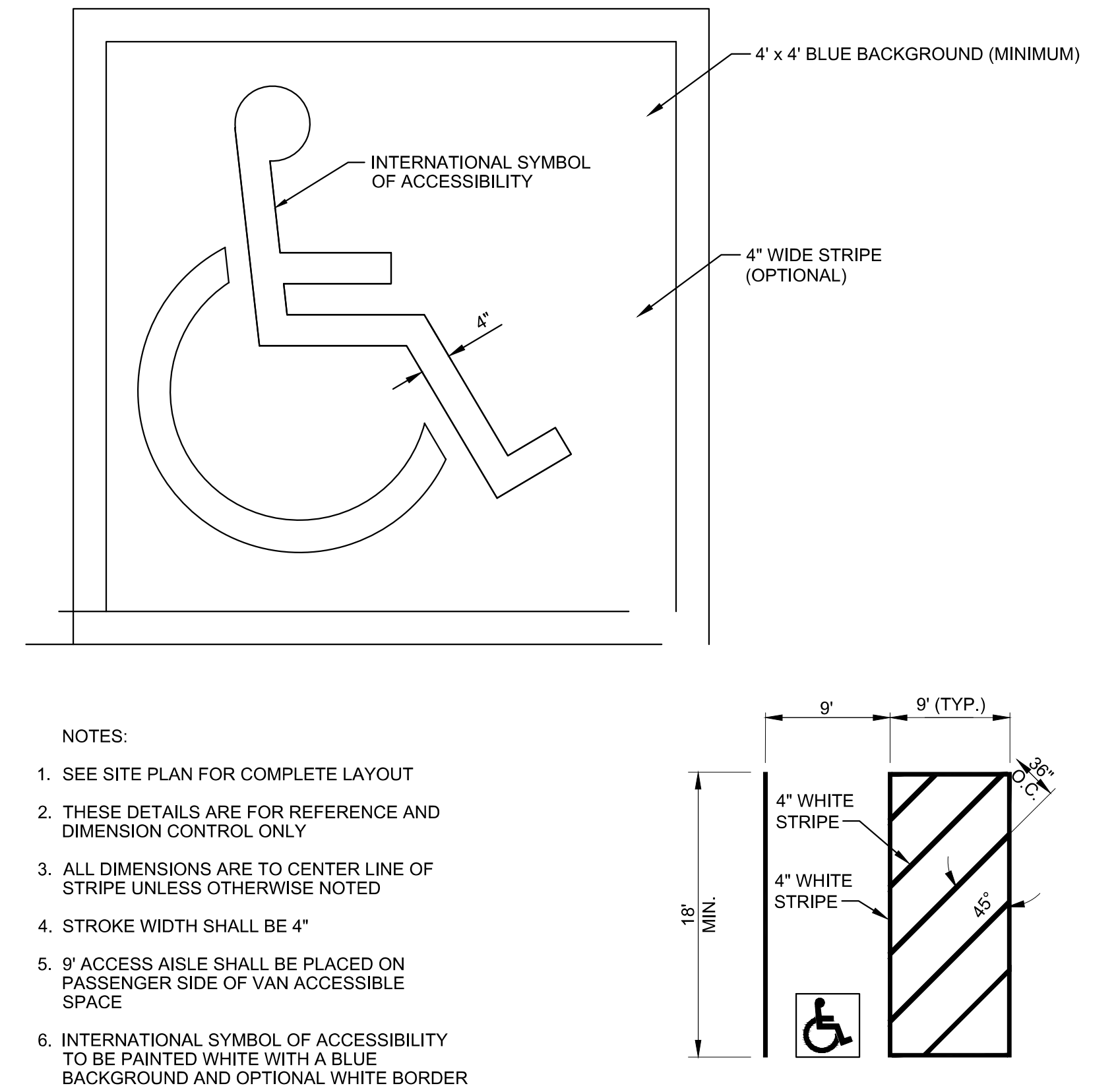
NOTE:  
1.75% MAXIMUM SLOPE IN PARKING AREA, ALL DIRECTIONS

1 ACCESSIBLE PARKING DETAIL  
C7.03 NTS



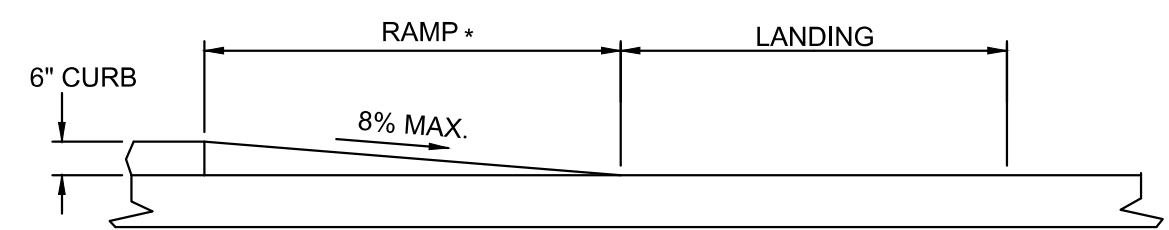
NOTES:  
1. REFERENCE: M.U.T.C.D.

2 ACCESSIBLE PARKING SIGNS  
C7.03 NTS

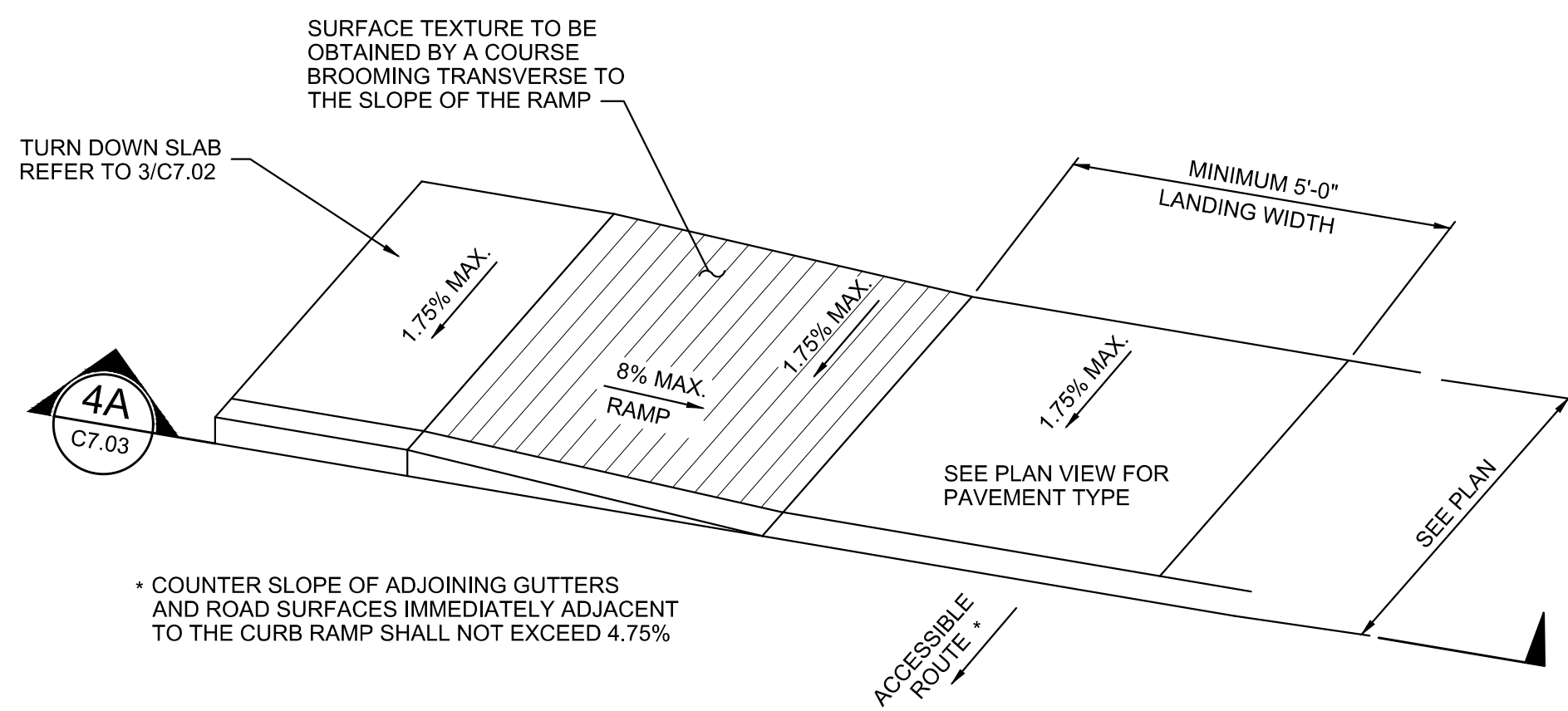


NOTES:  
1. SEE SITE PLAN FOR COMPLETE LAYOUT  
2. THESE DETAILS ARE FOR REFERENCE AND DIMENSION CONTROL ONLY  
3. ALL DIMENSIONS ARE TO CENTER LINE OF STRIPE UNLESS OTHERWISE NOTED  
4. STROKE WIDTH SHALL BE 4"  
5. 9' ACCESS AISLE SHALL BE PLACED ON PASSENGER SIDE OF VAN ACCESSIBLE SPACE  
6. INTERNATIONAL SYMBOL OF ACCESSIBILITY TO BE PAINTED WHITE WITH A BLUE BACKGROUND AND OPTIONAL WHITE BORDER

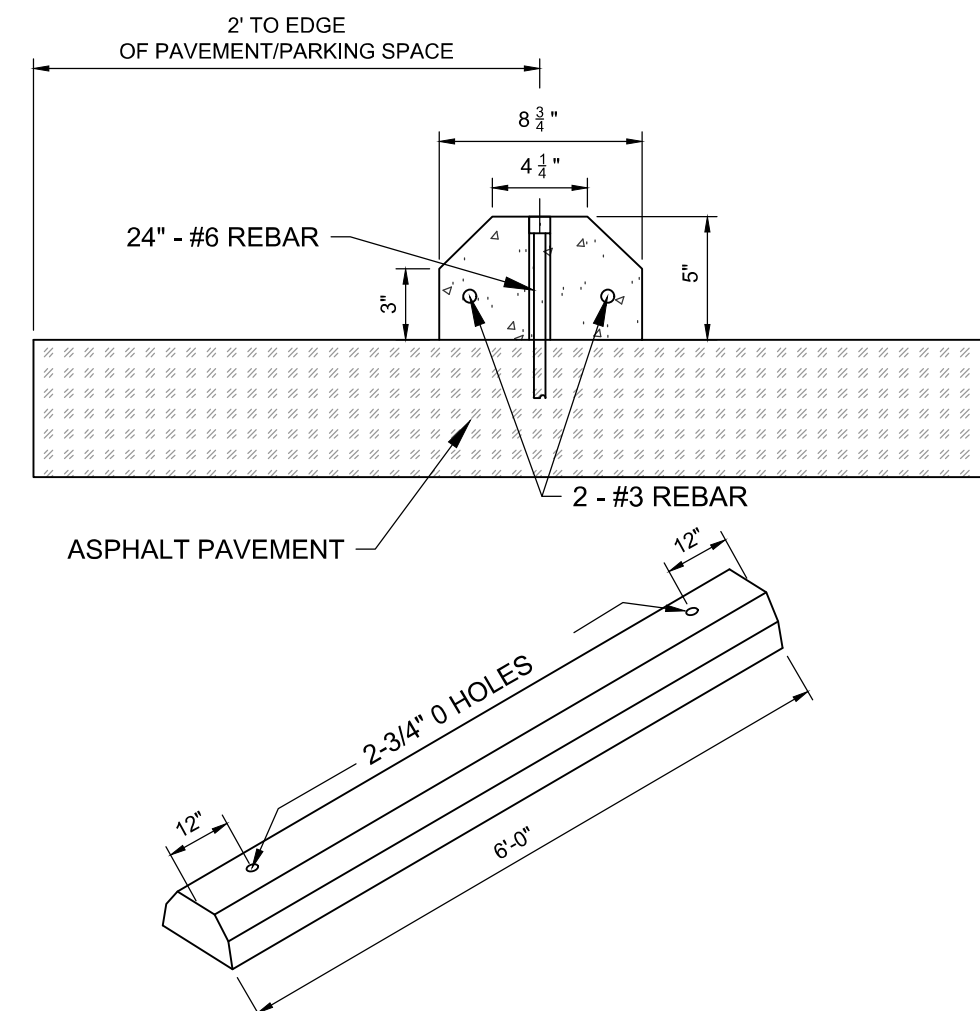
3 ACCESSIBLE PARKING PAVEMENT MARKINGS  
C7.03 NTS



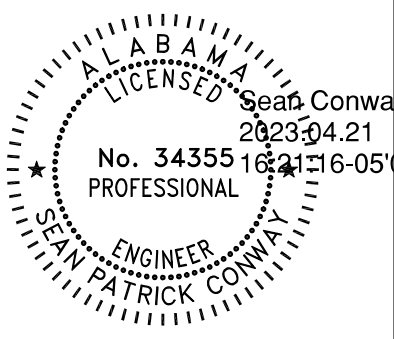
4A SECTION-A  
C7.03 \* DIMENSION RELATIVE TO LONGITUDINAL SIDEWALK GRADE



4 PARALLEL CURB RAMP  
C7.03 NTS

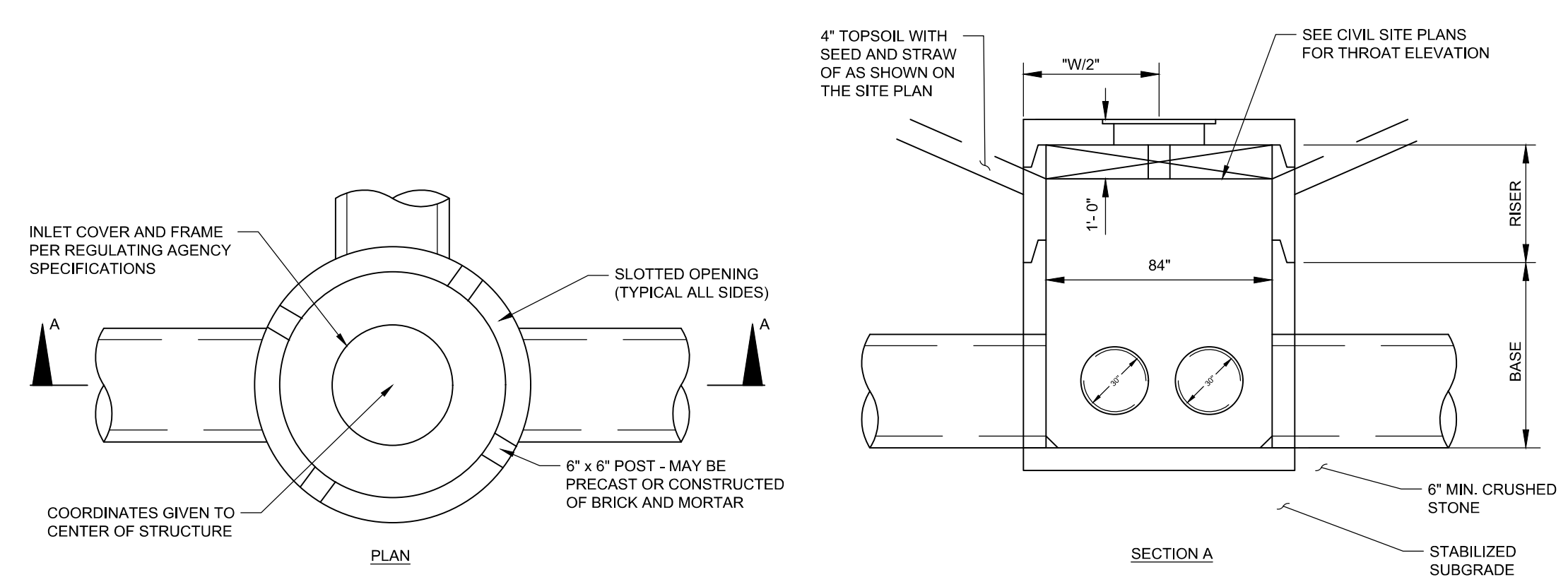


5 CONCRETE WHEEL STOP  
C7.03 NTS



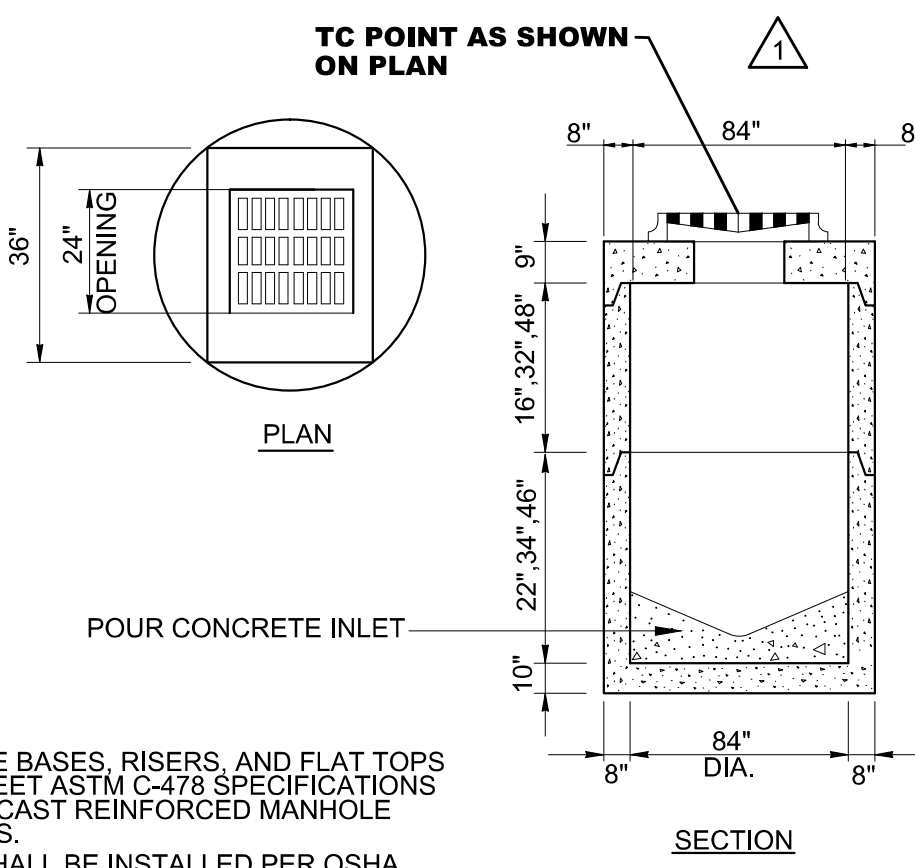
REVISION INFORMATION	
NO.	DESCRIPTION
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REV.	DATE	DESCRIPTION
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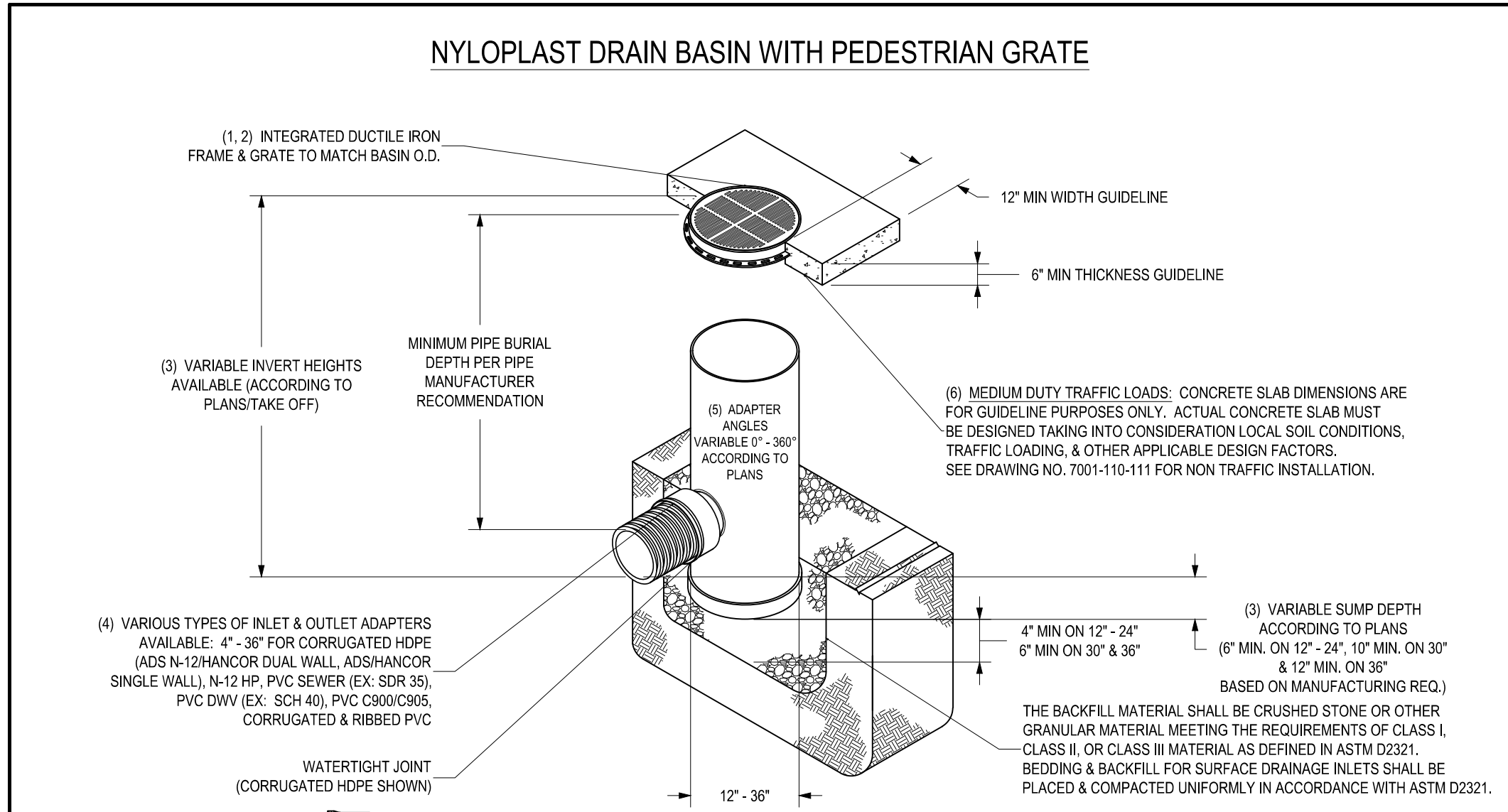
- NOTES:
- MINIMUM CONCRETE STRENGTH - 4000 PSI.
  - SEE GRADING AND DRAINAGE PLAN FOR PIPE SIZES, LOCATIONS, AND FLOW LINES.
  - PRECAST CATCH BASIN STRUCTURES SHALL BE STANDARD SHERMAN DIXIE STRUCTURES OR APPROVED SUBSTITUTION.
  - STRUCTURE SIZES VARY. SEE STORM SEWER PROFILE FOR STRUCTURE CALL OUT.
  - PROVIDE LADDER BARS ON STRUCTURES OVER 4.0' DEEP.

**1 OPEN THROAT INLET**  
C7.04 N.T.S.



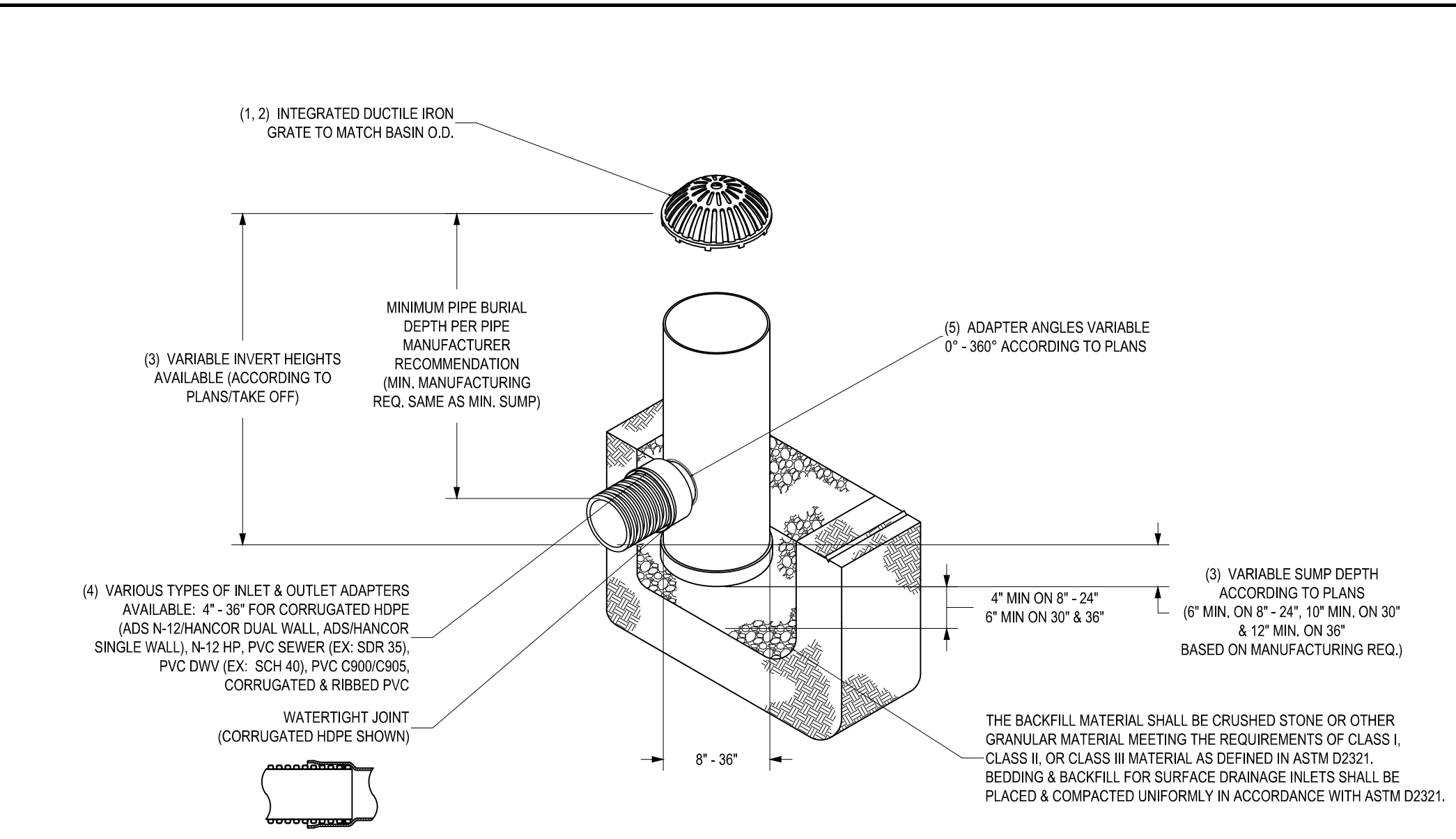
- NOTES:
- MANHOLE BASES, RISERS, AND FLAT TOPS SHALL MEET ASTM C-478 SPECIFICATIONS FOR PRECAST REINFORCED MANHOLE SECTIONS.
  - STEPS SHALL BE INSTALLED PER OSHA REGULATIONS.
  - AREA DRAIN FRAME & GRATE TO BE EAST JORDAN IRON WORKS V-5622-80 24" x 24" OR APPROVED EQUIVALENT
  - COORDINATE POINT & TC ON PLAN INDICATES CENTER OF STRUCTURE.

**2 GRATE INLET**  
C7.04 N.T.S.



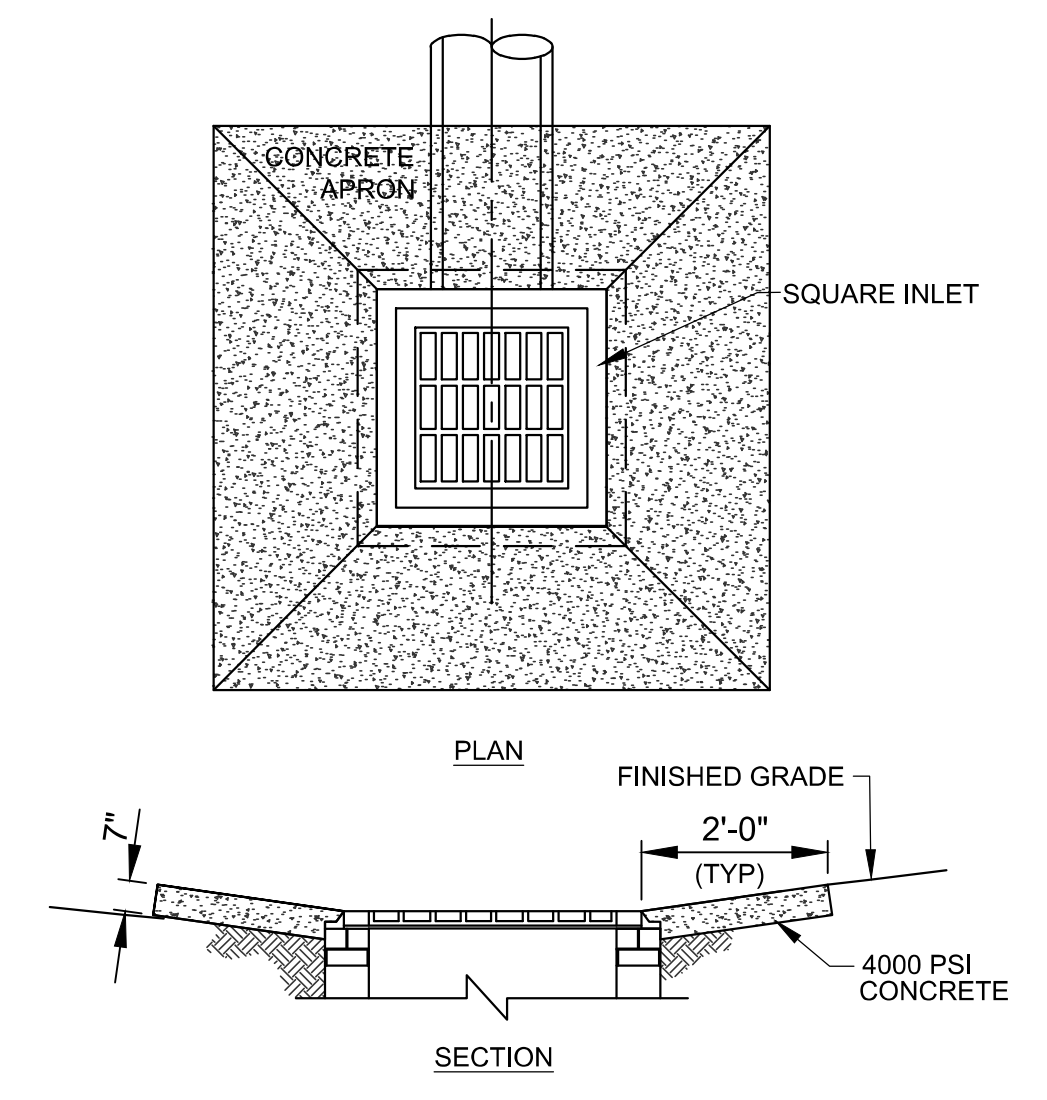
- NOTES:
- 12" - 30" PEDESTRIAN GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
  - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
  - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
  - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP & PVC SEWER (4" - 36").
  - ADAPTERS CAN BE MOUNTED 0° TO 360° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
  - 12" - 24" PEDESTRIAN GRATES SHALL MEET H-10 LOAD RATING. 30" PEDESTRIAN GRATE SHALL MEET H-20 LOAD RATING (SEE DRAWING NO. 7001-110-144 FOR H-20 TRAFFIC LOAD GUIDELINES).

**3 CATCH BASIN - PEDESTRIAN GRATE**  
C7.04 N.T.S.

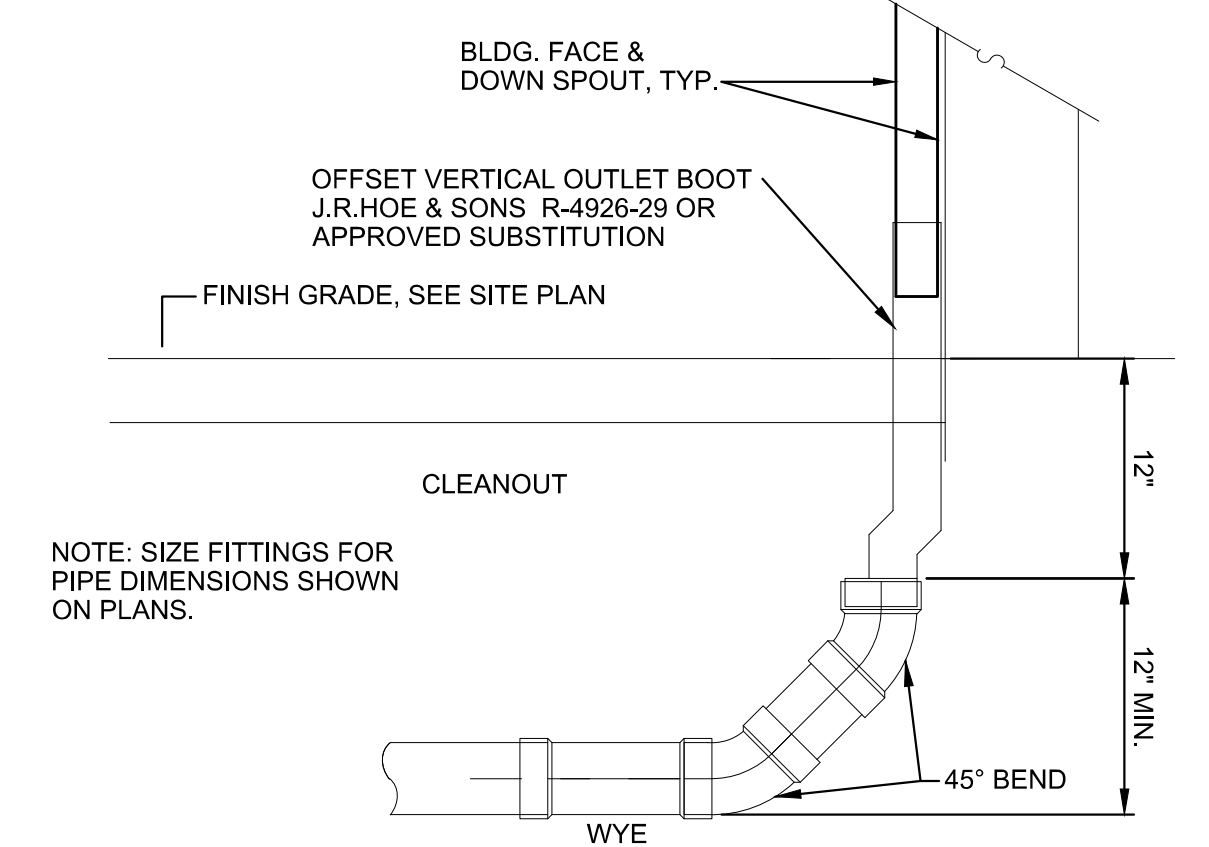


- NOTES:
- 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
  - 8" & 10" DOME GRATES FIT ONTO THE DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
  - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
  - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP & PVC SEWER (4" - 36").
  - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
  - 8" - 30" DOME GRATES HAVE NO LOAD RATING.

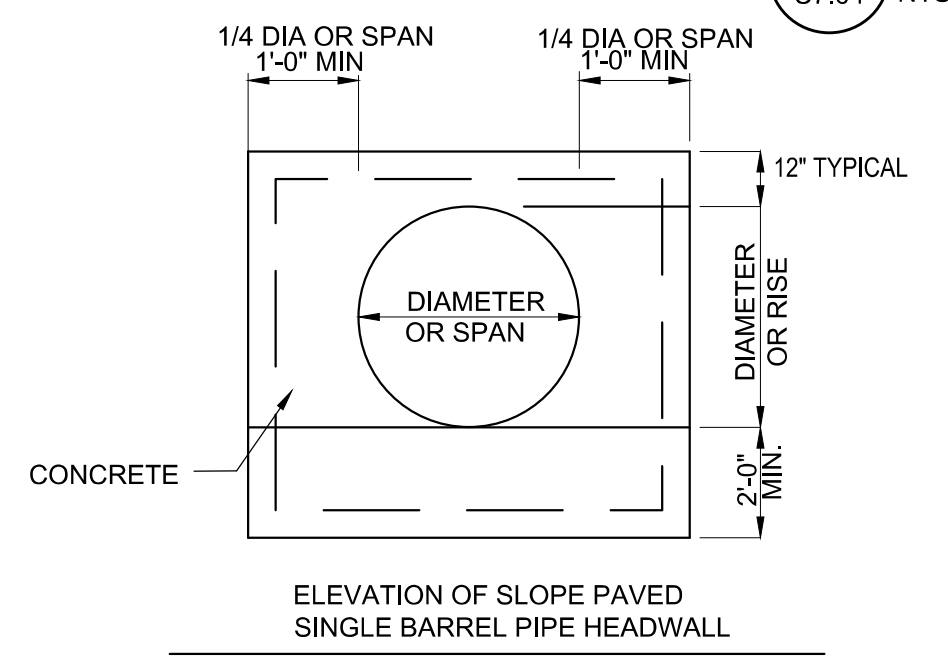
**4 CATCH BASIN - DOME GRATE**  
C7.04 N.T.S.



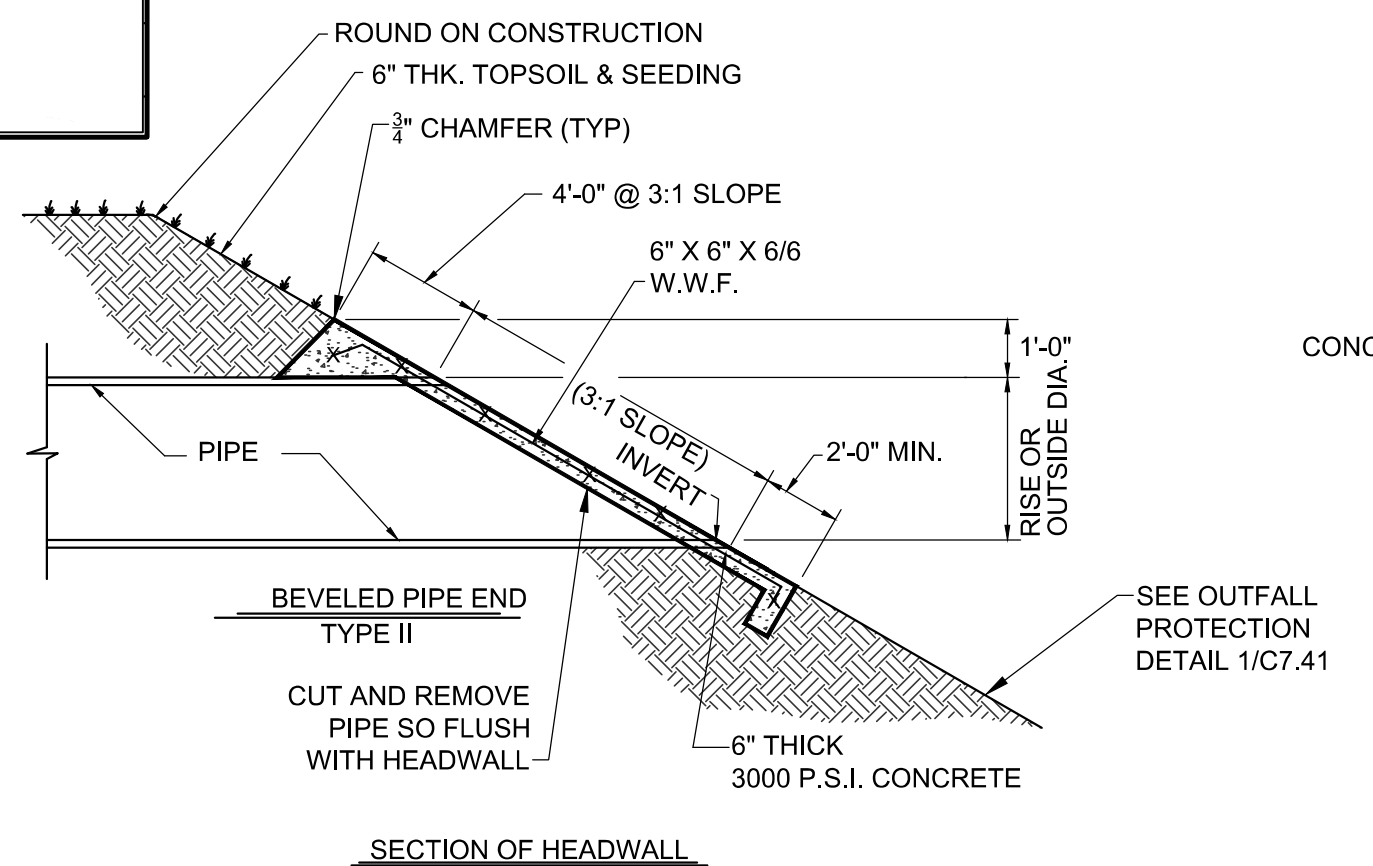
**5 CONCRETE APRON**  
C7.04 N.T.S.



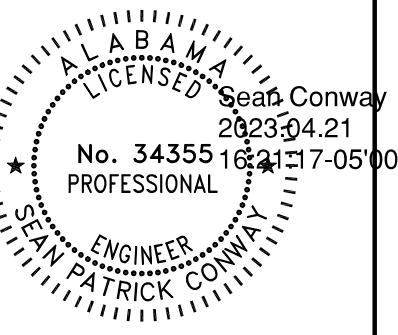
**6 DOWNSPOUT CONNECTION, TYP.**  
C7.04 N.T.S.



- NOTES FOR SLOPE PAVED HEADWALLS
- THIS HEADWALL IS NOT DESIGNED TO OFFER ANY SUPPORT TO THE PIPE. THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPE PAVING IS PLACED.
  - ALL SLOPE PAVING SHALL CONFORM TO THE CURRENT FDOT STANDARD SPECIFICATIONS.
  - CONTRACTOR SHALL INSURE THROUGH MECHANICAL MEANS OR OTHER APPROVED DEVICES THAT CONNECTION BETWEEN BEVELED PIPE END AND CONCRETE WILL NOT BE DETACHED.
  - MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I.
  - 3/8" CHAMFER ON ALL EXPOSED EDGES OF CONCRETE. WOVEN WIRE NOT TO BE WITHIN 3" OF CONCRETE EDGES.



**7 SLOPE PAVED HEADWALL**  
C7.04 N.T.S.



## SITE DETAILS

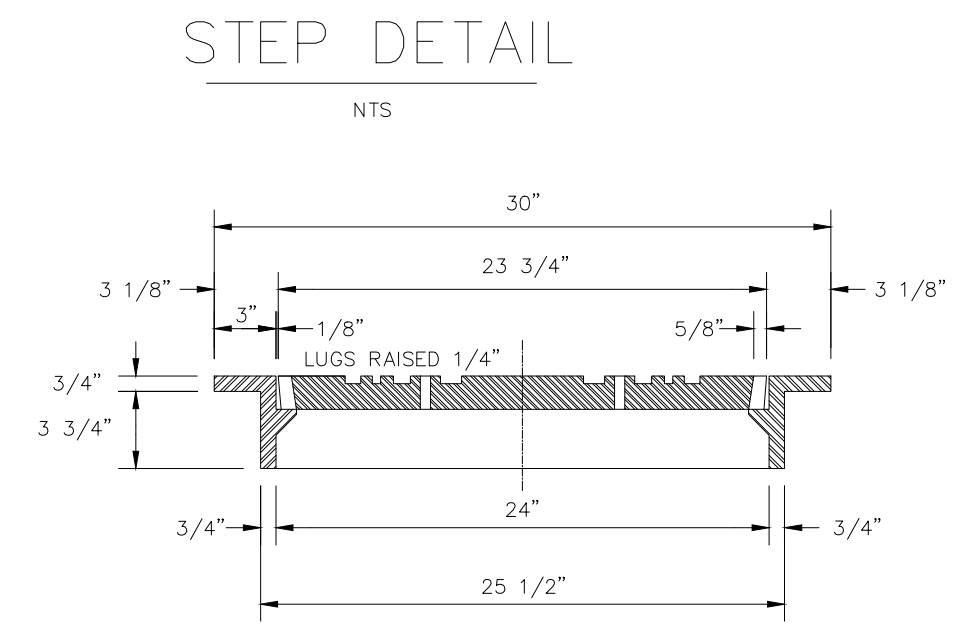
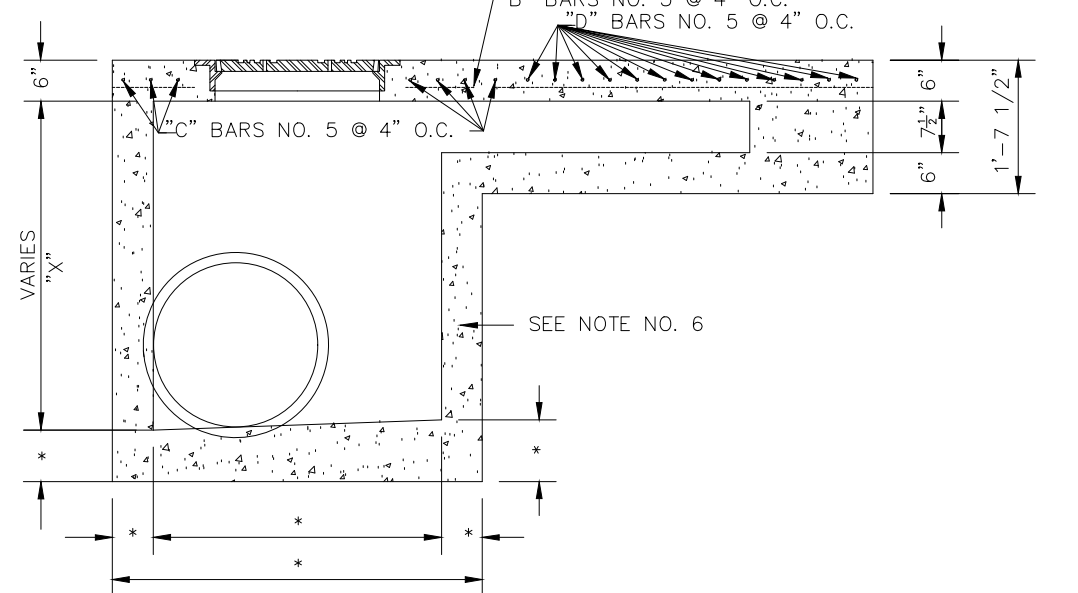
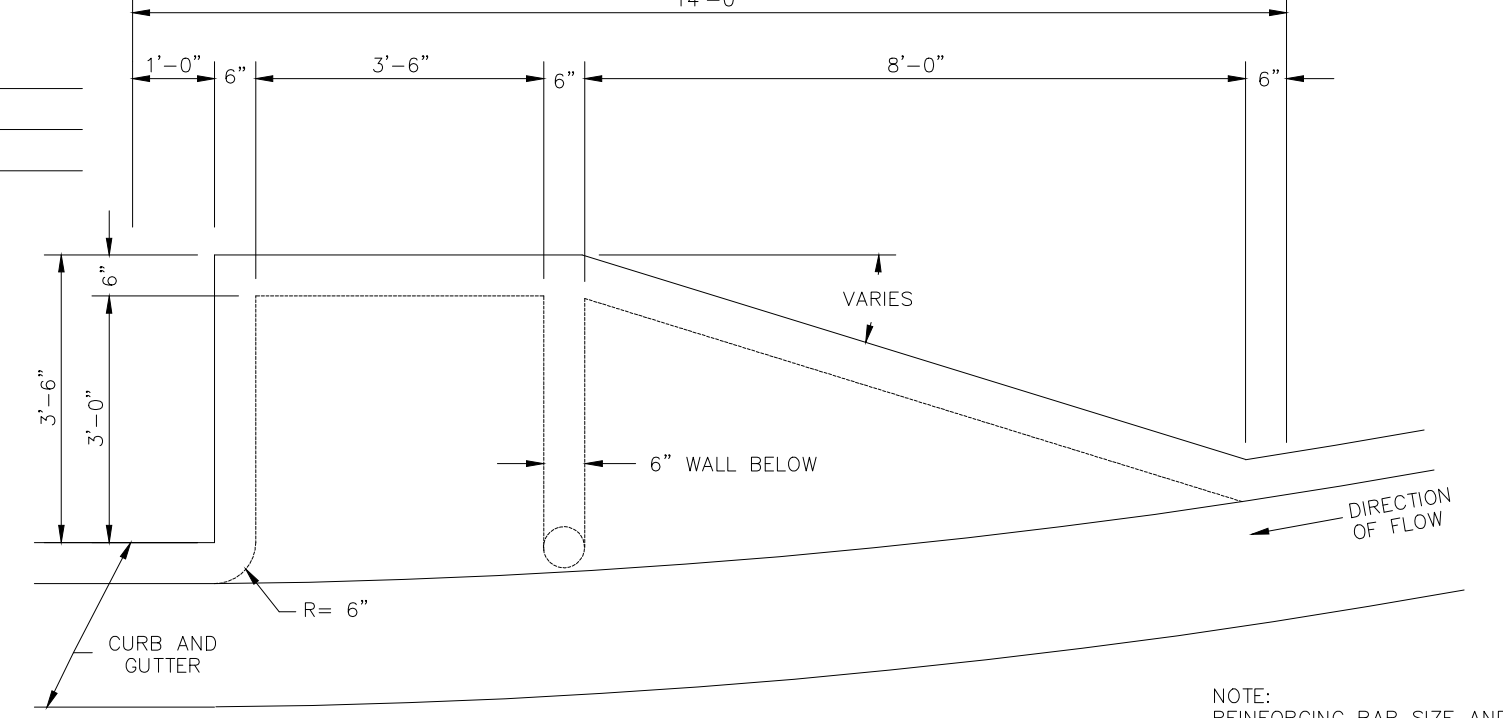
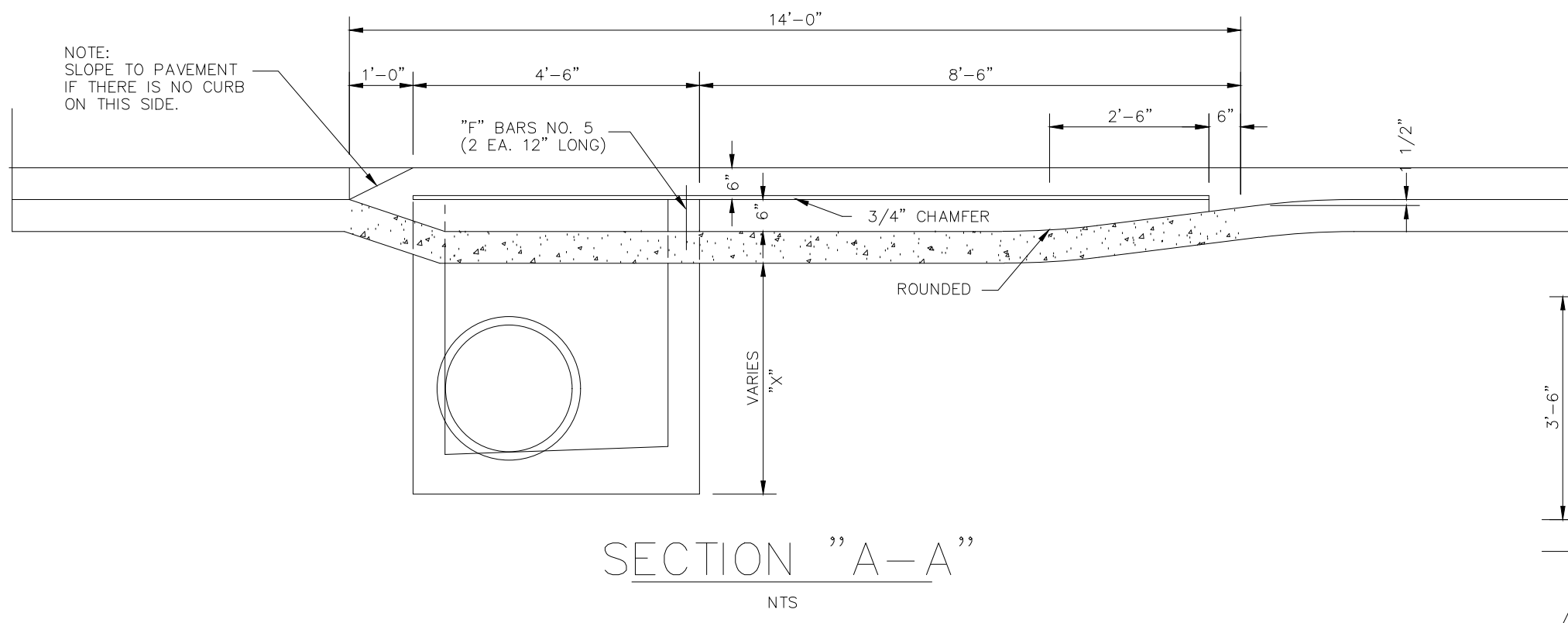
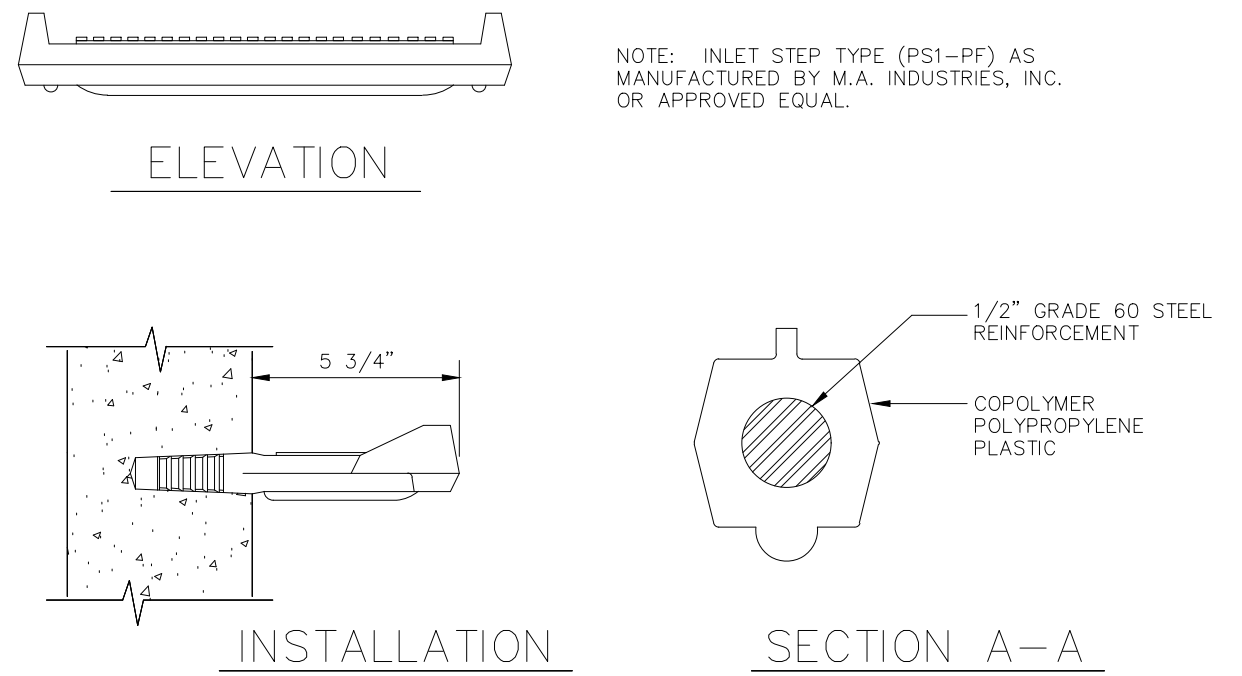
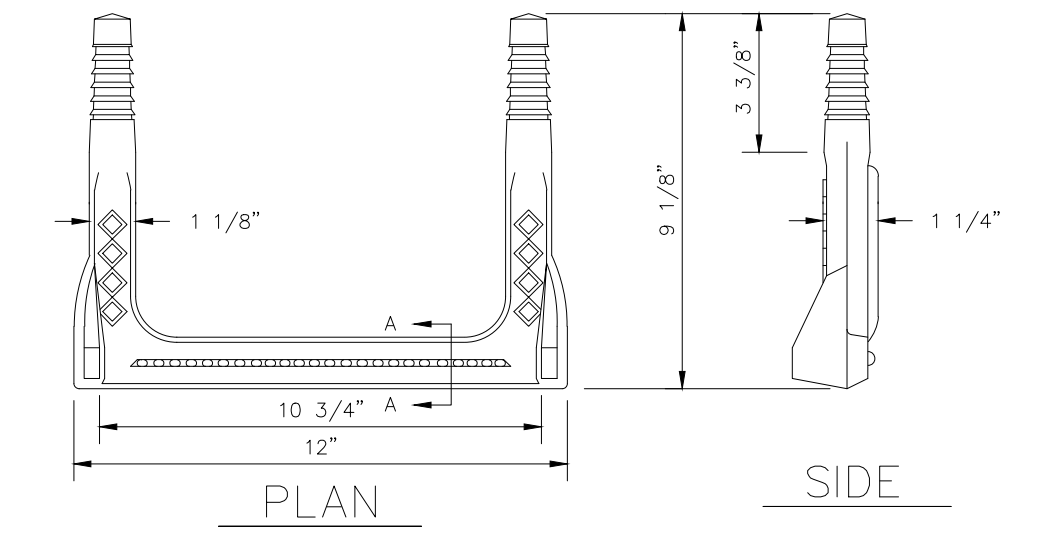
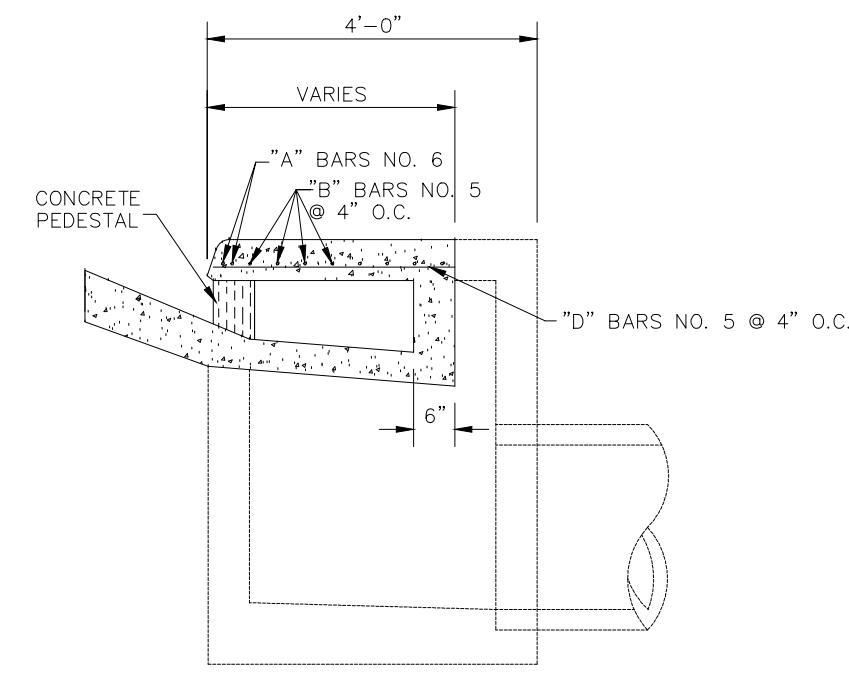
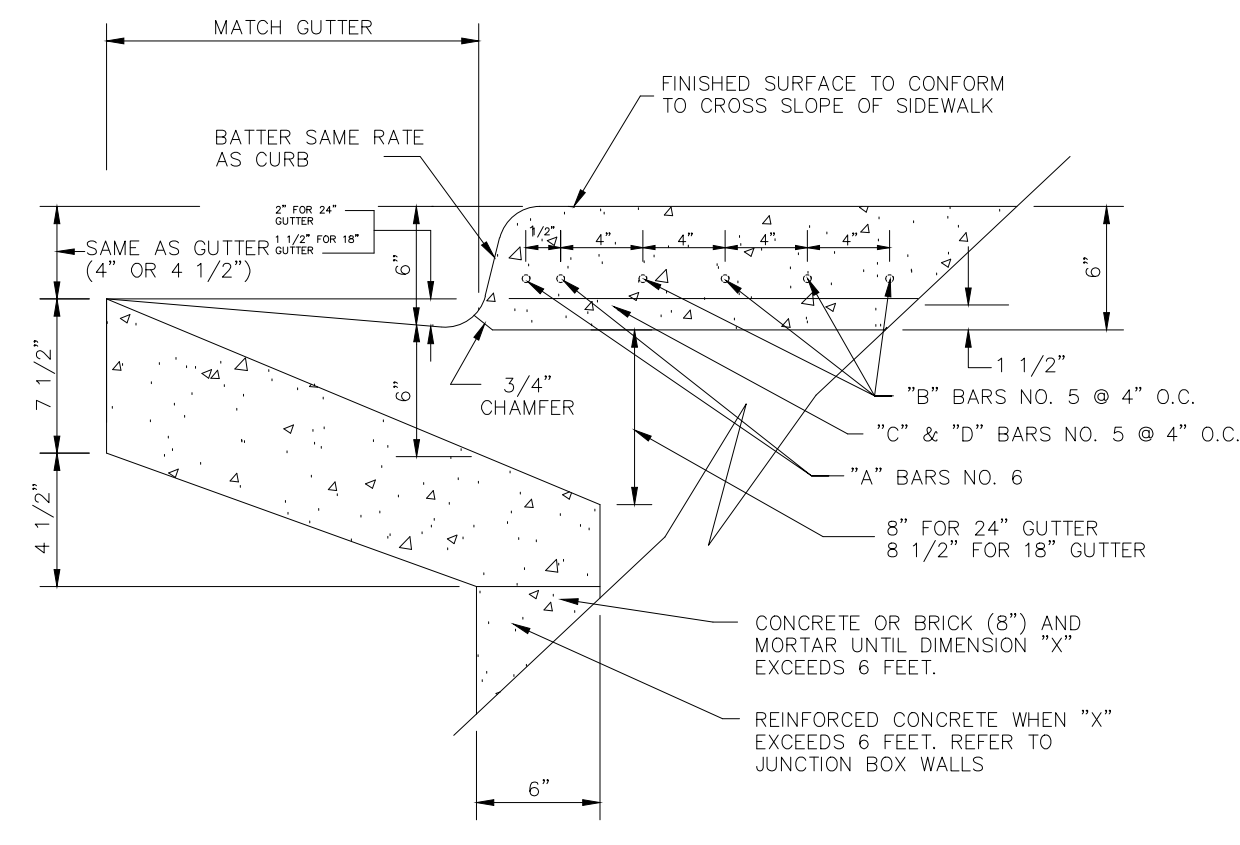
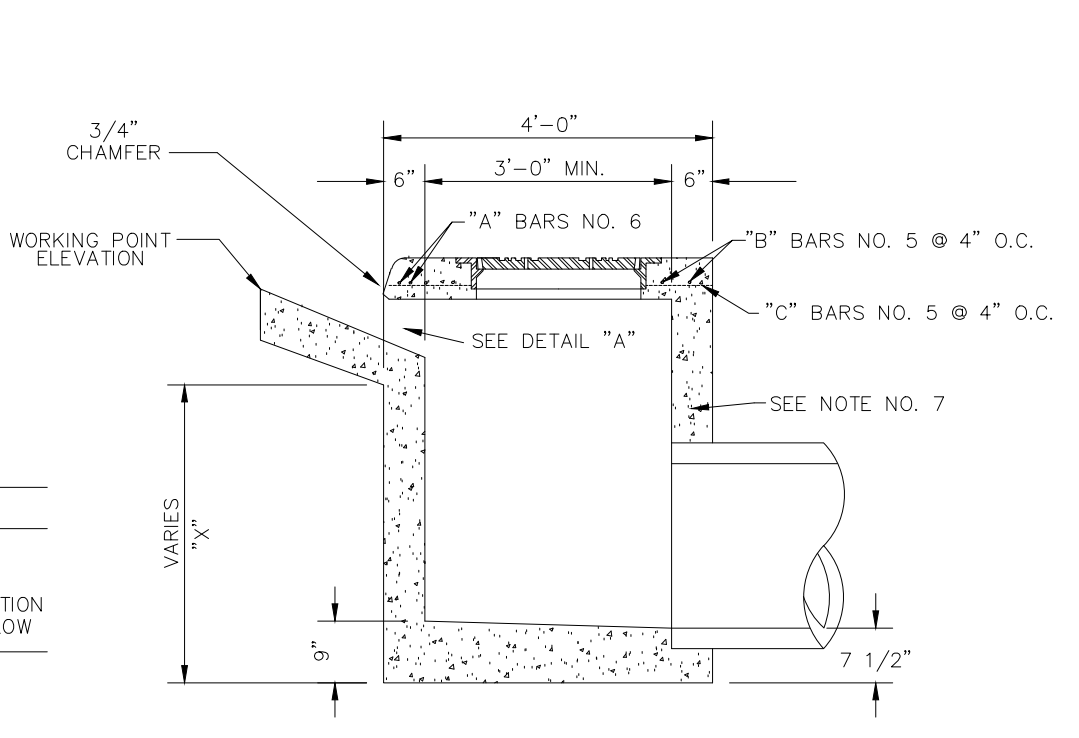
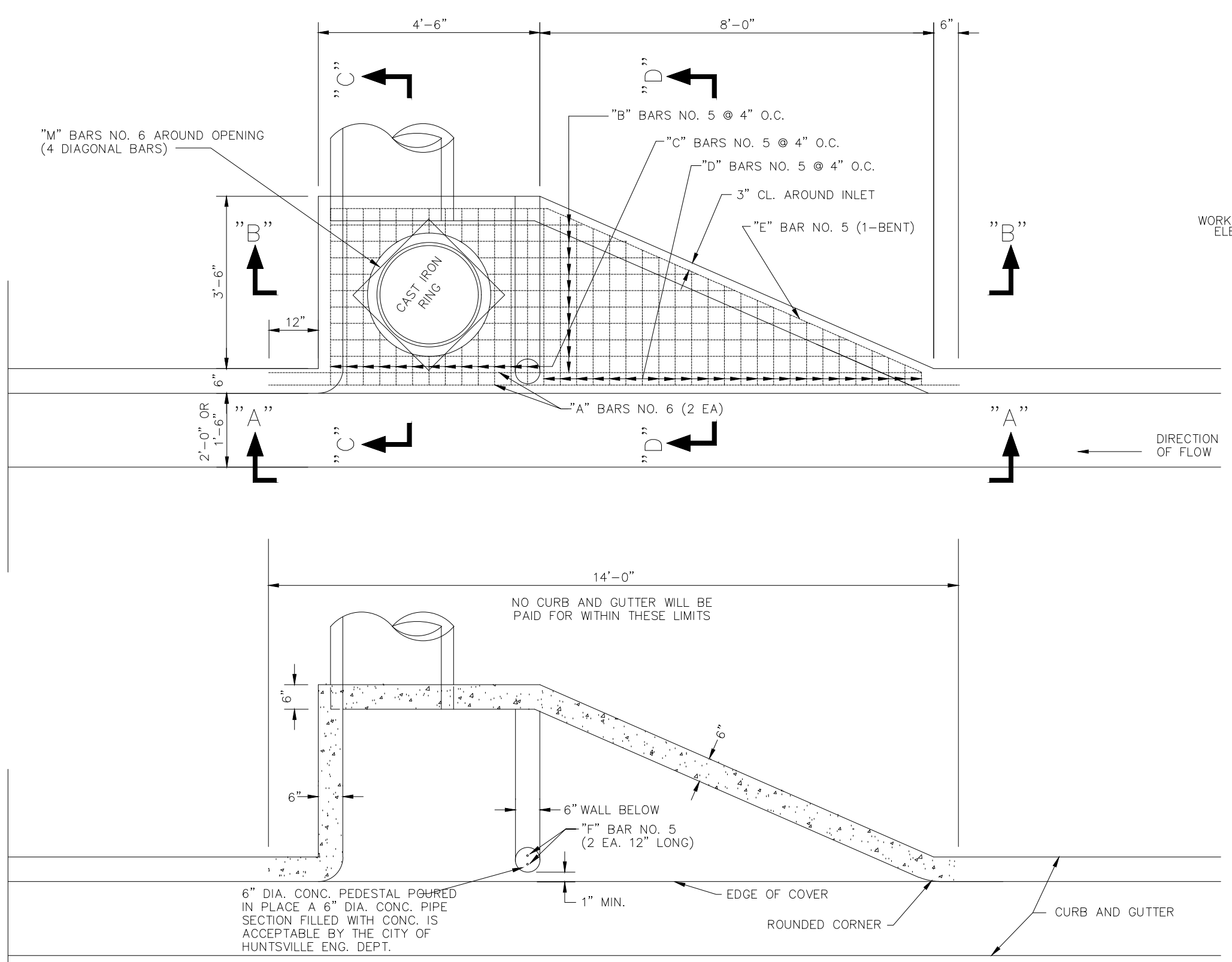
### CITY OF GUNTSVILLE

# GUNTSVILLE PARK - PHASE 2

GUNTSVILLE, ALABAMA

REVISION INFORMATION	
NO.	DESCRIPTION
0	ISSUED FOR BID

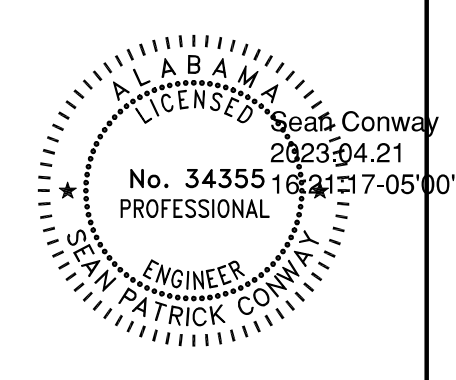
**C7.05**  
FILE NO. 37106-05



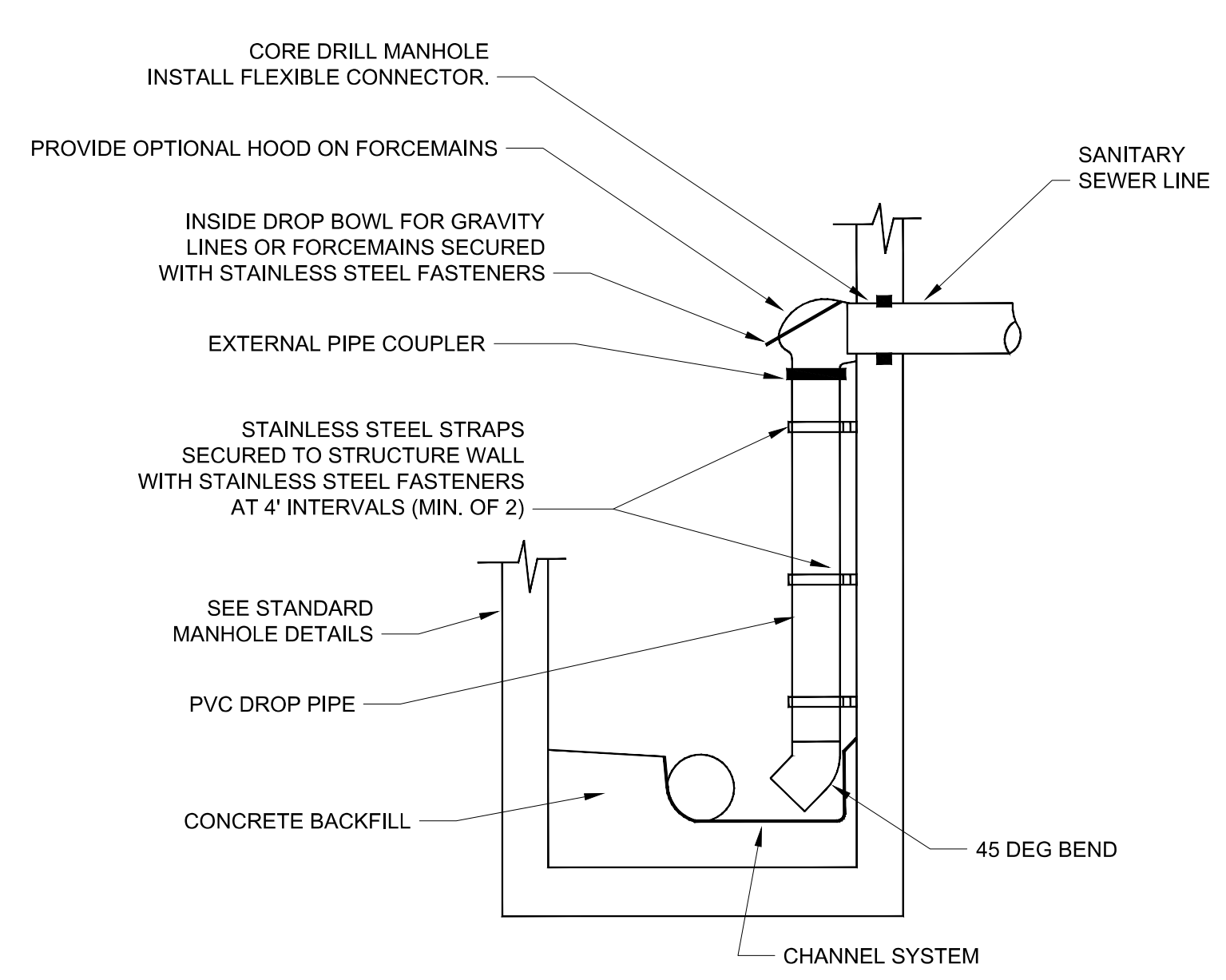
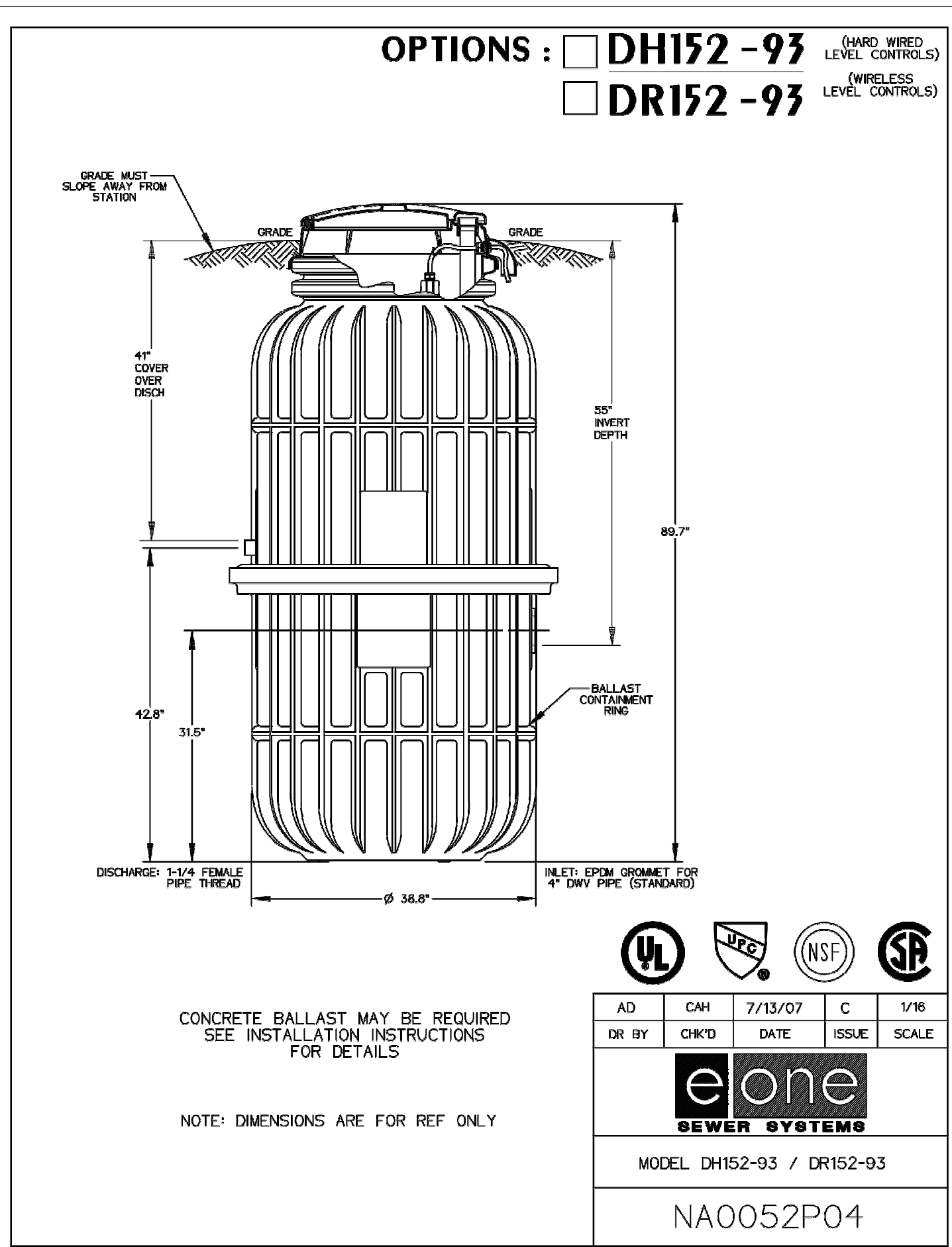
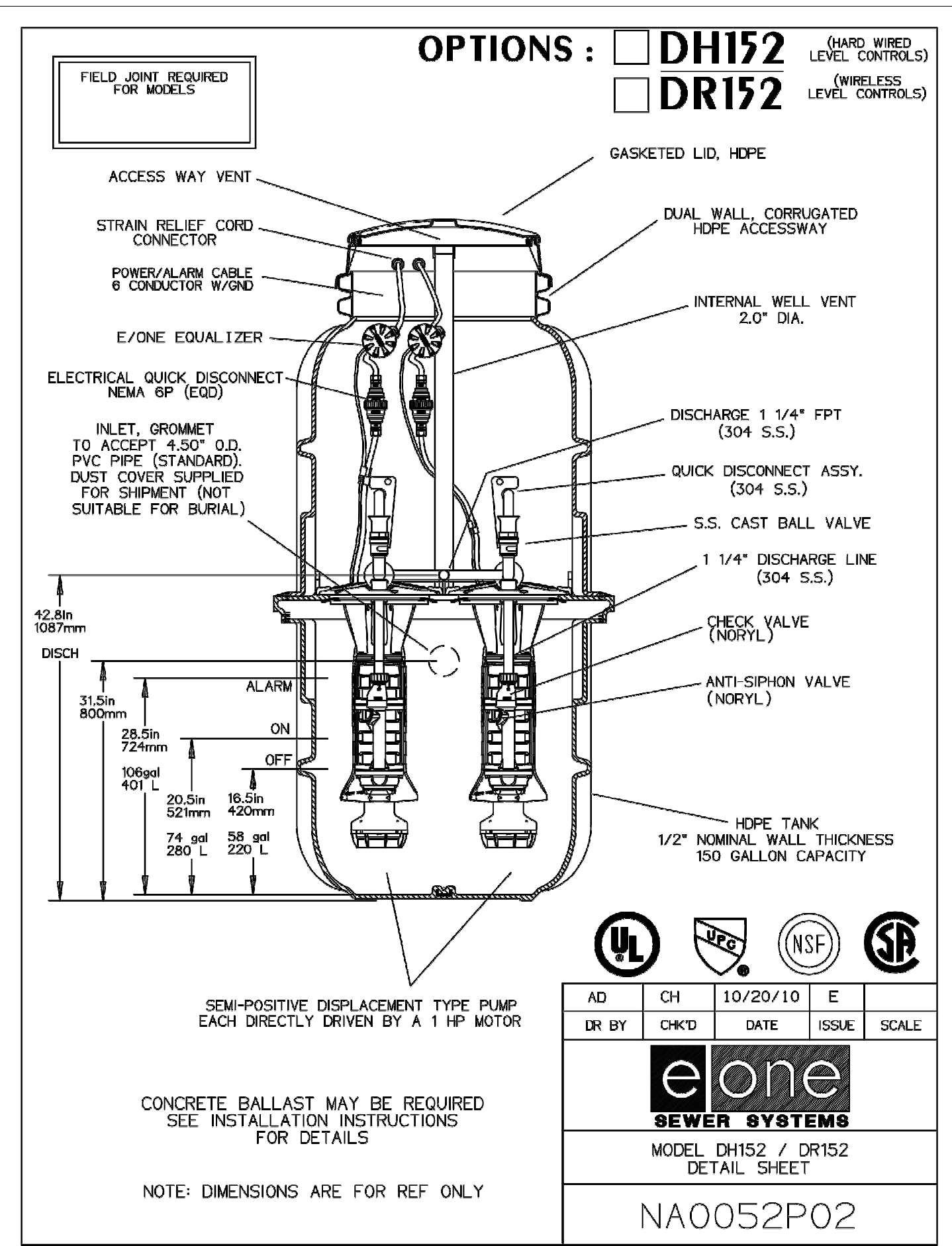
## 1 CURB INLET (S TYPE)

C7.05 NTS

(TO BE USED ONLY WHEN RADIUS EXCEEDS 30') AND APPROVED BY ENGINEER.



REV.	DATE	DESCRIPTION	ISSUED FOR
0	04/27/2023		

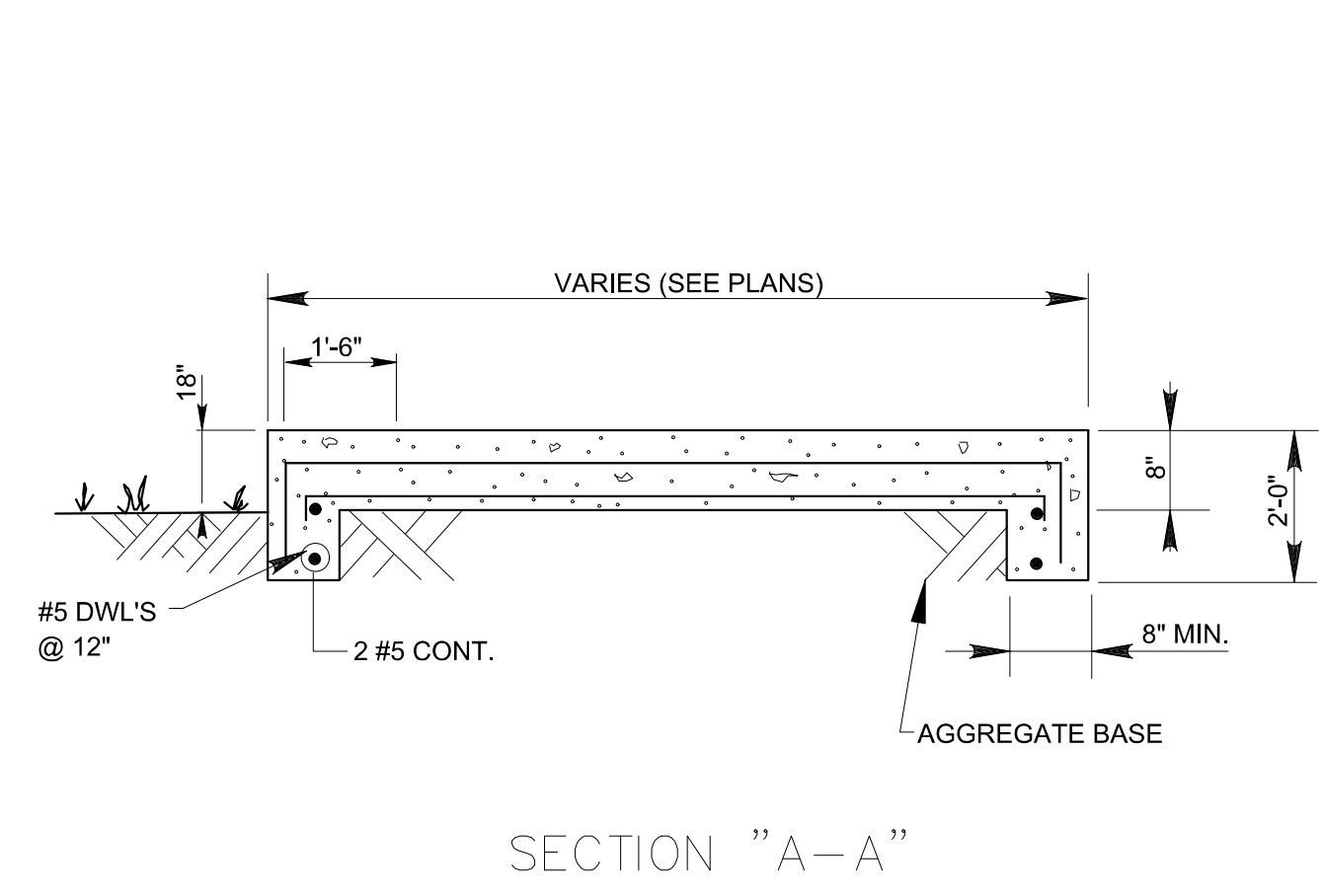


**2 FORCE MAIN MANHOLE CONNECTION**  
C7.05 N.T.S.

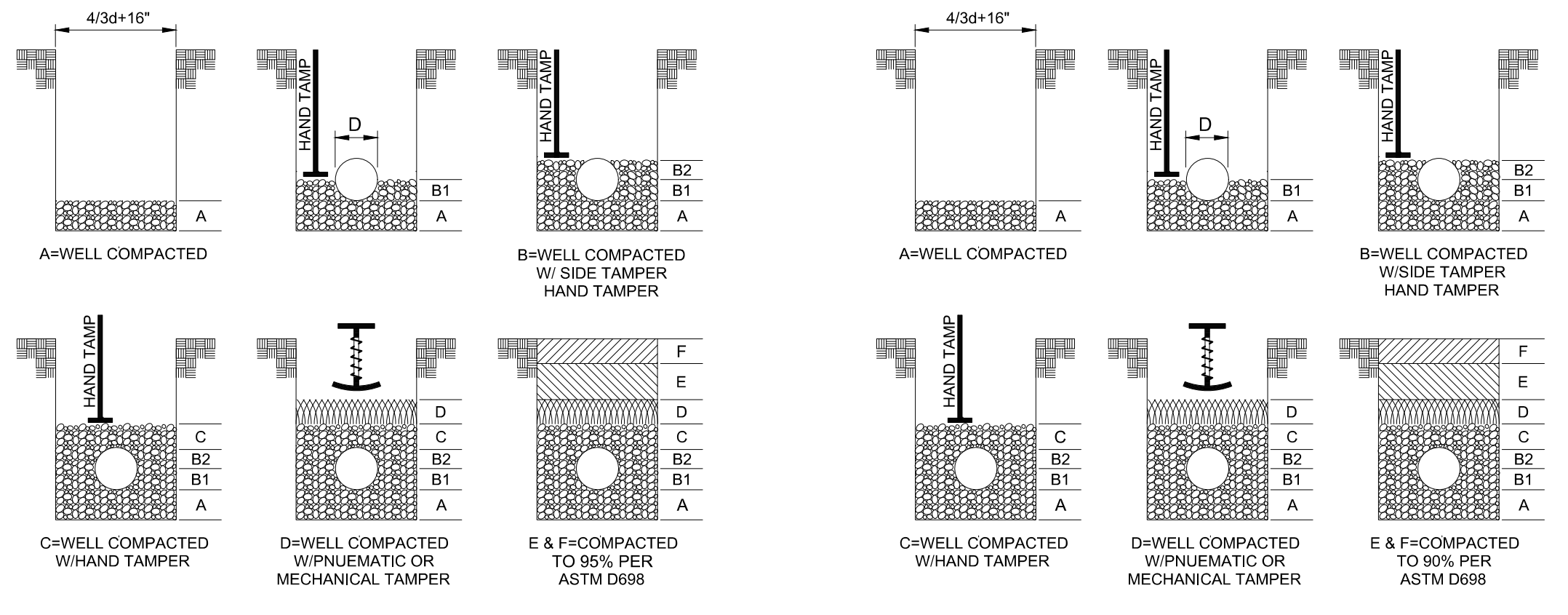
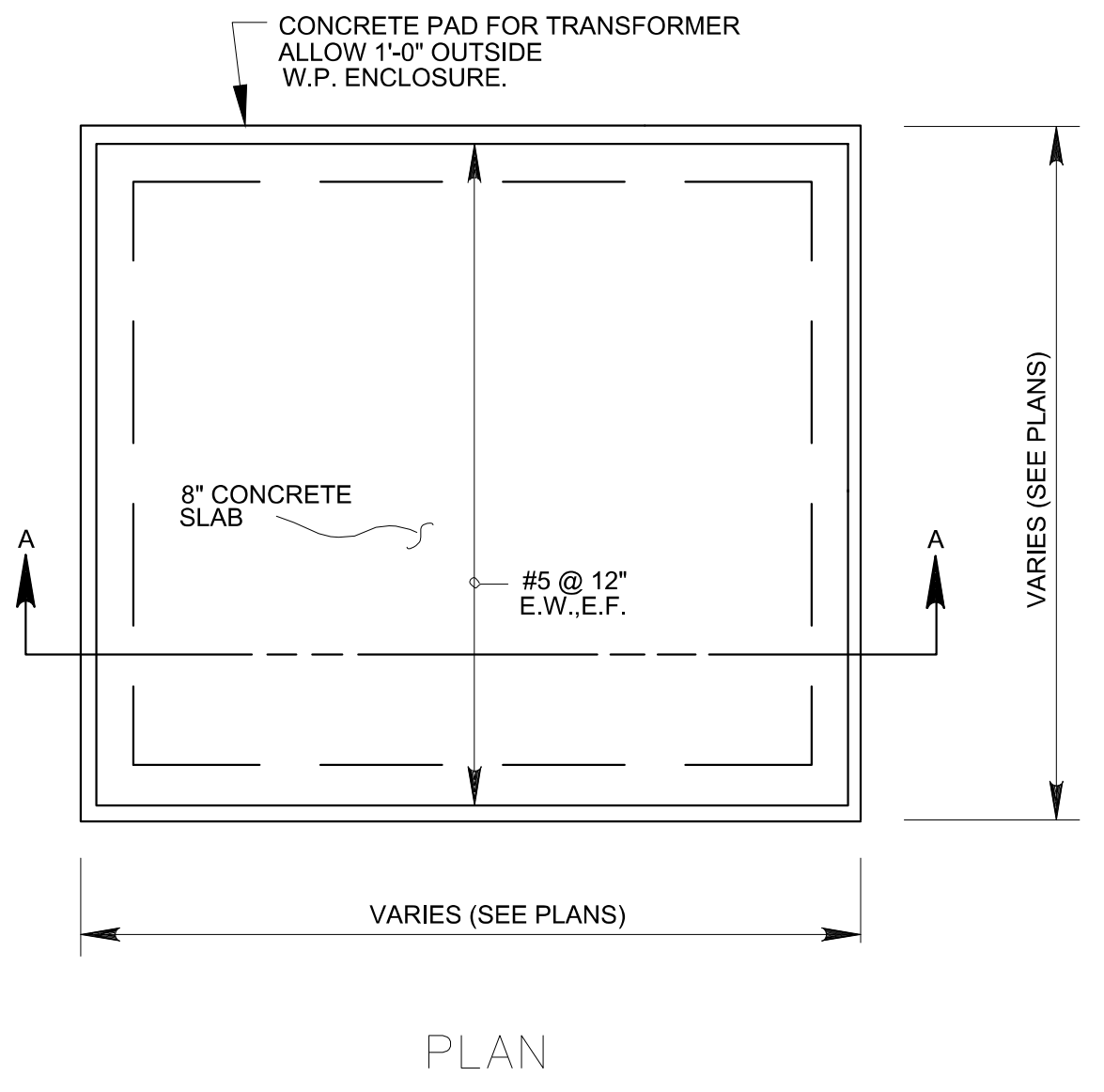
- NOTES:
- CONTRACTOR TO FURNISH AND INSTALL AN EONE GRINDER PUMP STATION MANUFACTURED BY EONE OR AN APPROVED EQUAL.
  - PUMP SHALL BE EONE DH152-93 GRINDER PUMP STATION OR APPROVED EQUAL, 1 HP, 120/208 VOLT, 1 PHASE, 1,725 RPM, 1.25" DISCHARGE, 5" IMPELLER, PUMPS SHALL BE CAPABLE OF 15 GPM @ 0 PSIG, 11 GPM @ 40 PSIG, AND 7.8 GPM @ 80 PSIG
  - CONTRACTOR SHALL FIELD LOCATE, FURNISH AND INSTALL 2" COMBINATION AIR RELEASE VALVES (ARI-D025) AT ALL HIGH POINTS ALONG FORCE MAIN BETWEEN THE PUMP STATION AND DISCHARGE POINT. AIR RELEASE VALVES SHALL INCLUDE A 2" SHUT OFF BALL VALVE AND BE LOCATED INSIDE A VALVE BOX.
  - CONTRACTOR TO PROVIDE CONCRETE ANTI-FLOTATION RING AT BASE OF WET WELL PER WET WELL MANUFACTURER'S SPECIFICATIONS.

- MOUNTING AND SUPPORT OF ALL EQUIPMENT TO BE DONE PER MANUFACTURER'S DRAWINGS SHOW GENERAL ARRANGEMENTS ONLY.
- SUBMIT SHOP DRAWINGS OF ALL COMPONENTS FOR PACKAGE PUMP STATION TO ENGINEER FOR APPROVAL BEFORE ORDERING.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR ELECTRIC SERVICE, FIELD WIRING, AND ALARM MONITORING.
- EONE PUMP CONTROL PANEL SHALL BE PROVIDED BY PUMP MANUFACTURE AND INCLUDE THE FOLLOWING: LOCKABLE SST ENCLOSURE WITH DRIP SHIELD, PHASE AND VOLTAGE MONITOR, LIGHTING ARRESTOR, H-O-A SWITCH FOR EACH PUMP, MAIN DISCONNECT W/ THROUGH THE MAIN DOOR OPERATOR HANDLE W/ LOCKABLE HASP, PUMP AND CIRCUIT CONTROL BREAKERS, PUMP ALTERNATOR WITH LEAD SELECTOR SWITCH, INTEGRATED LEVEL CONTROL SYSTEM, FLOAT CIRCUITS TO HAVE INTRINSICALLY SAFE RELAYS, RELAYS FOR SEAL FAIL DETECTION AND PUMP HEAT SENSORS, LOCAL INDICATING LIGHTS FOR PUMP RUN STATUS, SEAL FAILURE, THERMAL OVERLOAD, HIGH WATER ALARM, EXTERIOR FLASHING LIGHT AND AUDIBLE HORN FOR HIGH WATER ALARM, AND DRY CONTACTS FOR REMOTE ALARM MONITORING.

**1 GRINDER PUMP STATION**  
C7.05 N.T.S.



**3 CONCRETE UTILITY PAD**  
C7.05 N.T.S.



LAYER	DEPTH	MATERIAL
A	6"	CLASS 1 FOR PLASTIC PIPE, CLASS 1-4 FOR ALL OTHER PIPE
B	VARIES	CLASS 1 FOR PLASTIC PIPE, CLASS 1-4 FOR ALL OTHER PIPE, TAMPED IN 6" MAXIMUM LAYERS.
C	6"	CLASS 1 FOR PLASTIC PIPE, CLASS 1-4 FOR ALL OTHER PIPE
D	6"	SELECTED BACKFILL MATERIAL-CLASS 1-4 FOR ALL PIPE, UNLESS OTHERWISE NOTED
E	VARIES	CLASS 1-4 FOR ALL PIPE UNLESS OTHERWISE NOTED, 75% OF BACKFILL MATERIAL MAY CONTAIN BROKEN STONES NOT EXCEEDING 6" IN DIAMETER-TAMPED IN 6" MAXIMUM LAYERS
F	12"	CLASS 1-4 FOR ALL PIPE-EXCEPT USE CLASS A, GRADE D CRUSHED STONE ACROSS OR ALONG EXISTING PAVEMENT UNLESS OTHERWISE NOTED

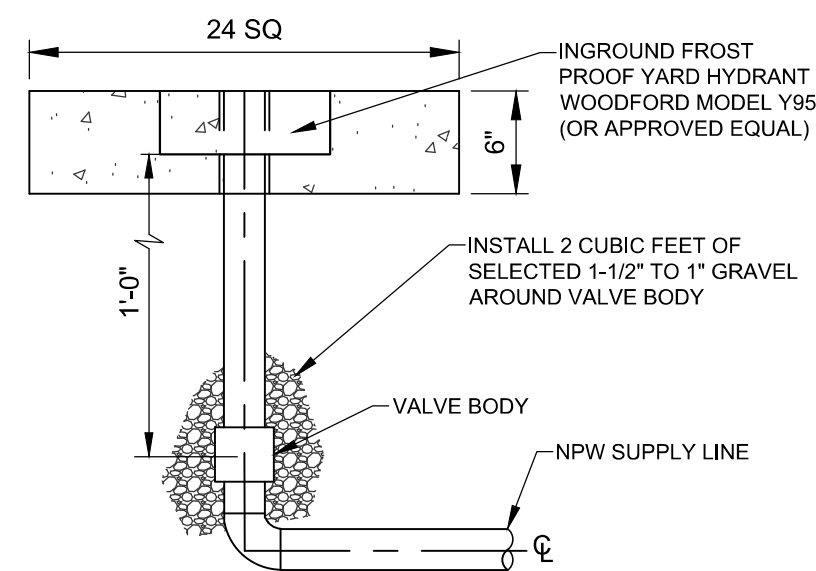
**BACKFILLING & COMPACTION OF PIPE TRENCHES IN IMPROVED AREAS**

LAYER	DEPTH	MATERIAL
A	6" MIN.	CLASS 1 FOR PLASTIC PIPE, CLASS 1-4 FOR ALL OTHER PIPE
B	VARIES	CLASS 1 FOR PLASTIC PIPE, CLASS 1-4 FOR ALL OTHER PIPE, TAMPED IN 6" MAXIMUM LAYERS.
C	6"	CLASS 1 FOR PLASTIC PIPE, CLASS 1-4 FOR ALL OTHER PIPE
D	6"	SELECTED BACKFILL MATERIAL-CLASS 1-4 FOR ALL PIPE
E	VARIES	CLASS 1-4 FOR ALL PIPE, 75% OF BACKFILL MATERIAL MAY CONTAIN BROKEN STONES NOT EXCEEDING 6" IN DIAMETER-TAMPED IN 12" MAXIMUM LAYERS
F	12"	CLASS 3 OR 4 FOR ALL PIPE, FREE OF LARGE CLODS, VEGETABLE MATTER, DEBRIS, STONE AND/OR ANY OTHER OBJECTIONABLE MATTER

**BACKFILLING & COMPACTION OF PIPE TRENCHES IN UNIMPROVED AREAS**

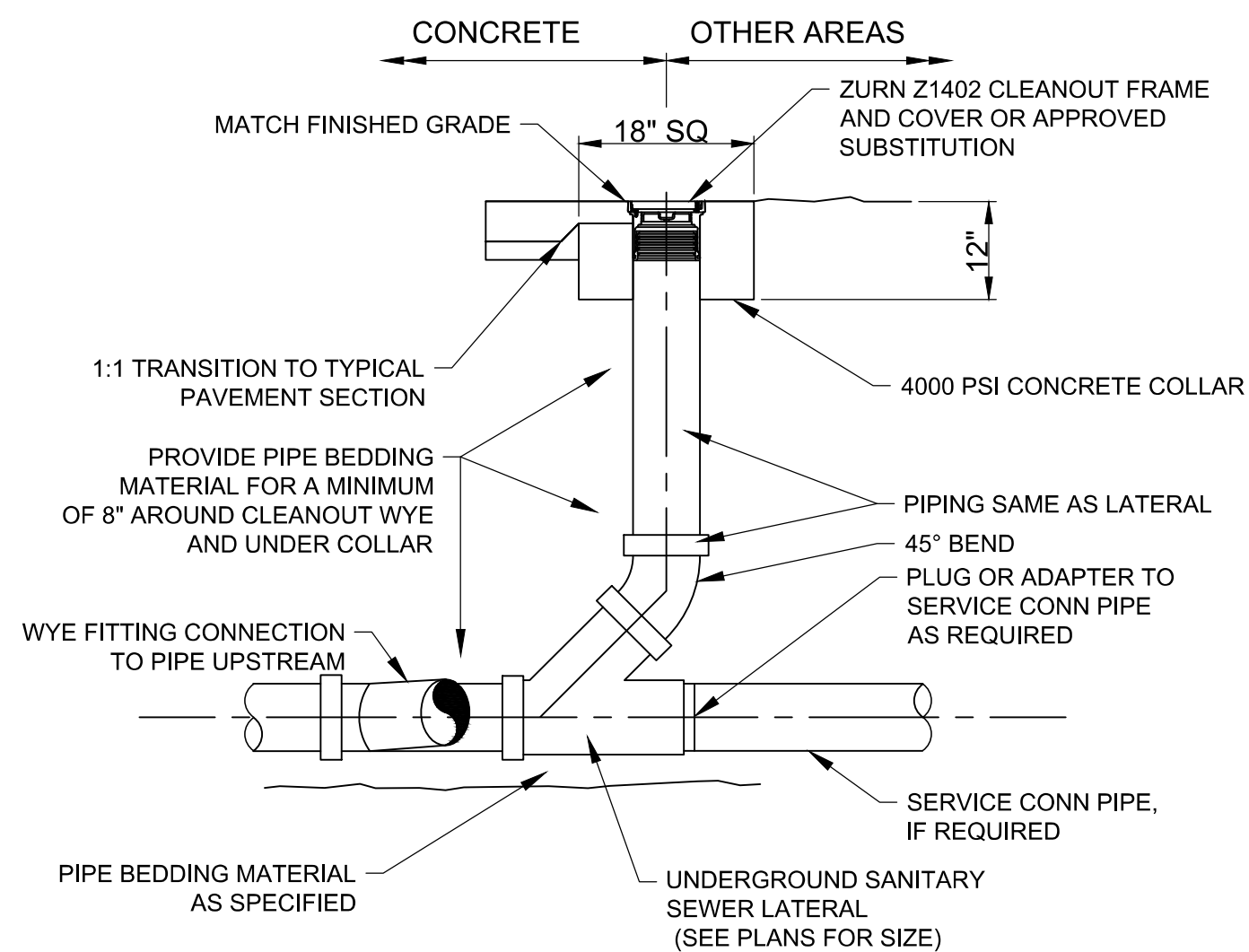
- CLASS 1 MATERIALS: ANGULAR, TO 1 INCH GRADED, TO 1 INCH GRADED STONE INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CRUSHED STONE, CINDERS, SLAG AND CRUSHED SHELLS.
- CLASS 2 MATERIALS: COARSE SANDS AND GRAVELS WITH A MAXIMUM PARTICLE DIMENSION OF 1-1/2 INCH INCLUDING VARIOUSLY GRADED SAND AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY.
- CLASS 3 MATERIAL: FINE SAND AND CLAYEY GRAVELS, INCLUDING FINE SANDS, SAND-CLAY MIXTURES, AND GRAVEL-CLAY MIXTURES.
- CLASS 4 MATERIAL: SILT, SILTY CLAYS, AND CLAYS, INCLUDING INORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS.
- CLASS 5 MATERIALS: ORGANIC SOILS, AS WELL AS SOIL CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1-1/2 INCHES AND OTHER FOREIGN MATERIALS.

**4 PIPE TRENCH BEDDING & BACKFILL MATERIAL**  
C7.05 N.T.S.



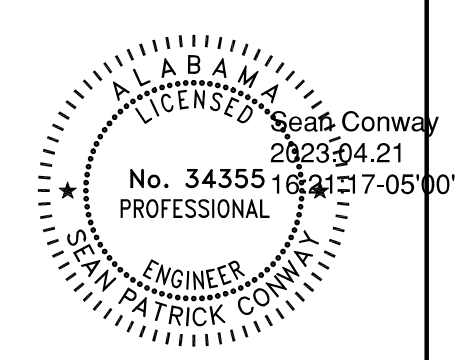
NOTE: INSTALL PER MANUFACTURER RECOMMENDATION

**1** INGROUND YARD HYDRANT  
C7.07 N.T.S



NOTE: ONE WAY COMBINATION SWEEPS MAY BE USED IN CLEANOUT LOCATIONS SHOWN ON THE PLANS.

**2** SEWER CLEANOUT  
C7.07 N.T.S

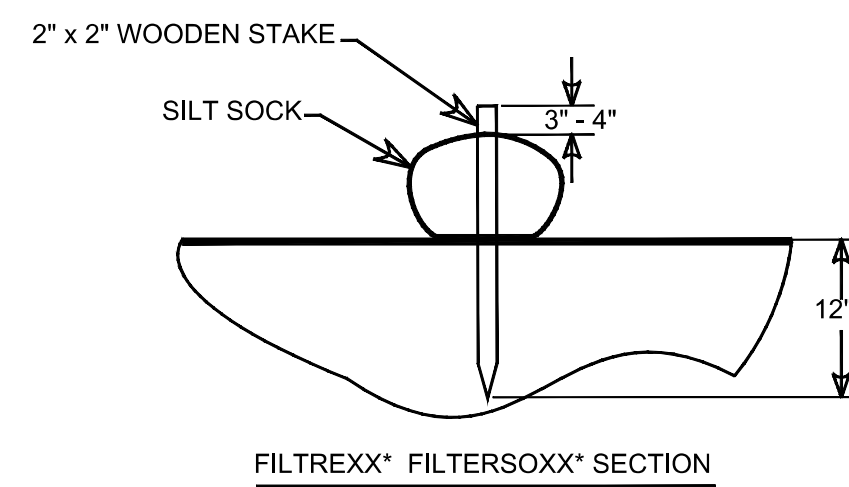
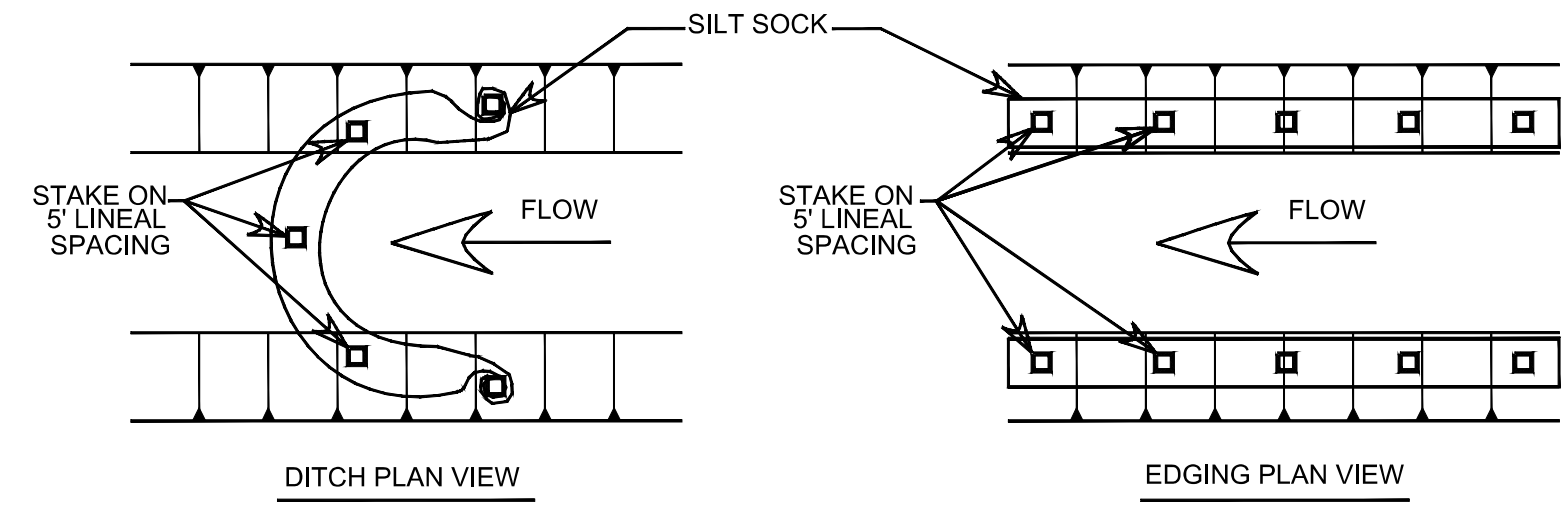


**SITE DETAILS**  
CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
GUNTERSVILLE, ALABAMA

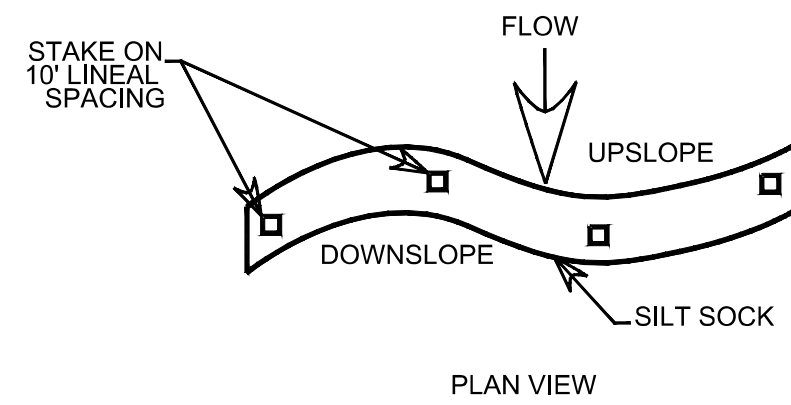
REVISION INFORMATION		DATE	DESCRIPTION
REV.	CHK.	DATE	DESCRIPTION
0	SC	04/21/2023	ISSUED FOR BID



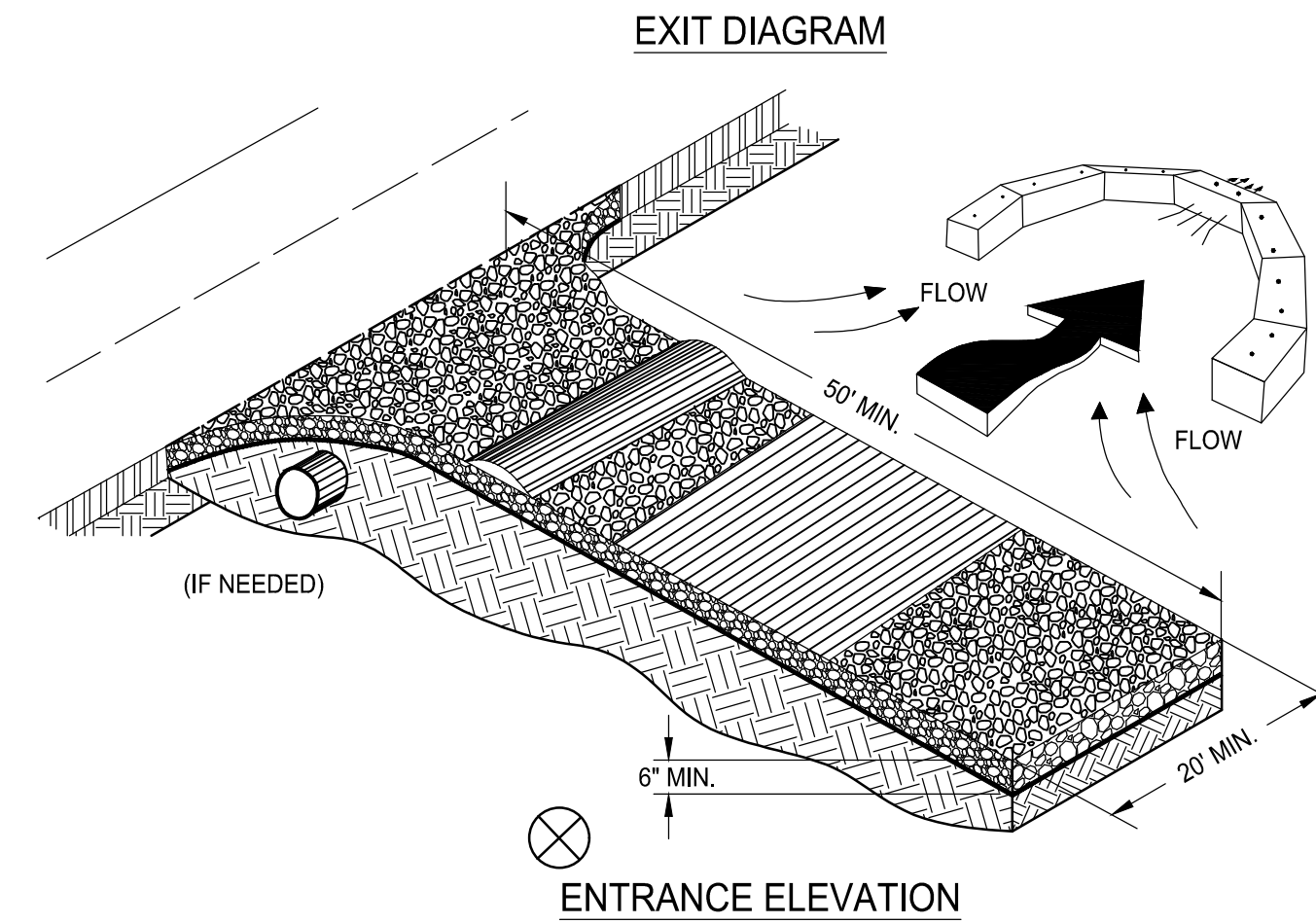
### SILT SOCK STAKING DETAILS



**1 SILT SOX**  
C7.41 SCALE: N.T.S.



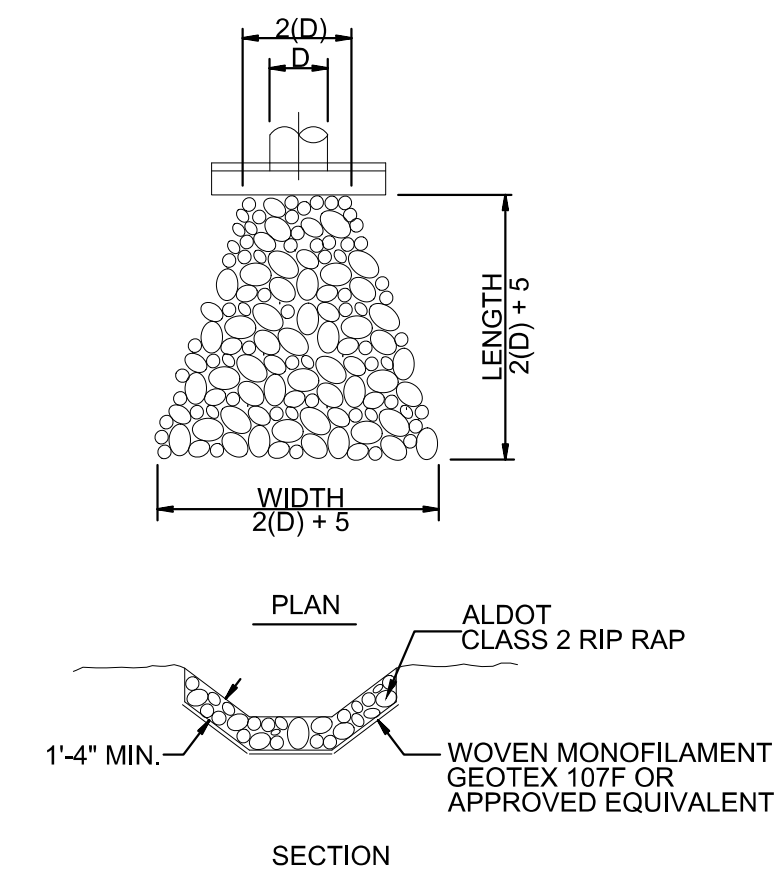
- NOTES:
1. COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS
  2. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
  3. SILT SOCK TO BE FILTREXX FILTER SOXX OR APPROVED EQUIVALENT.



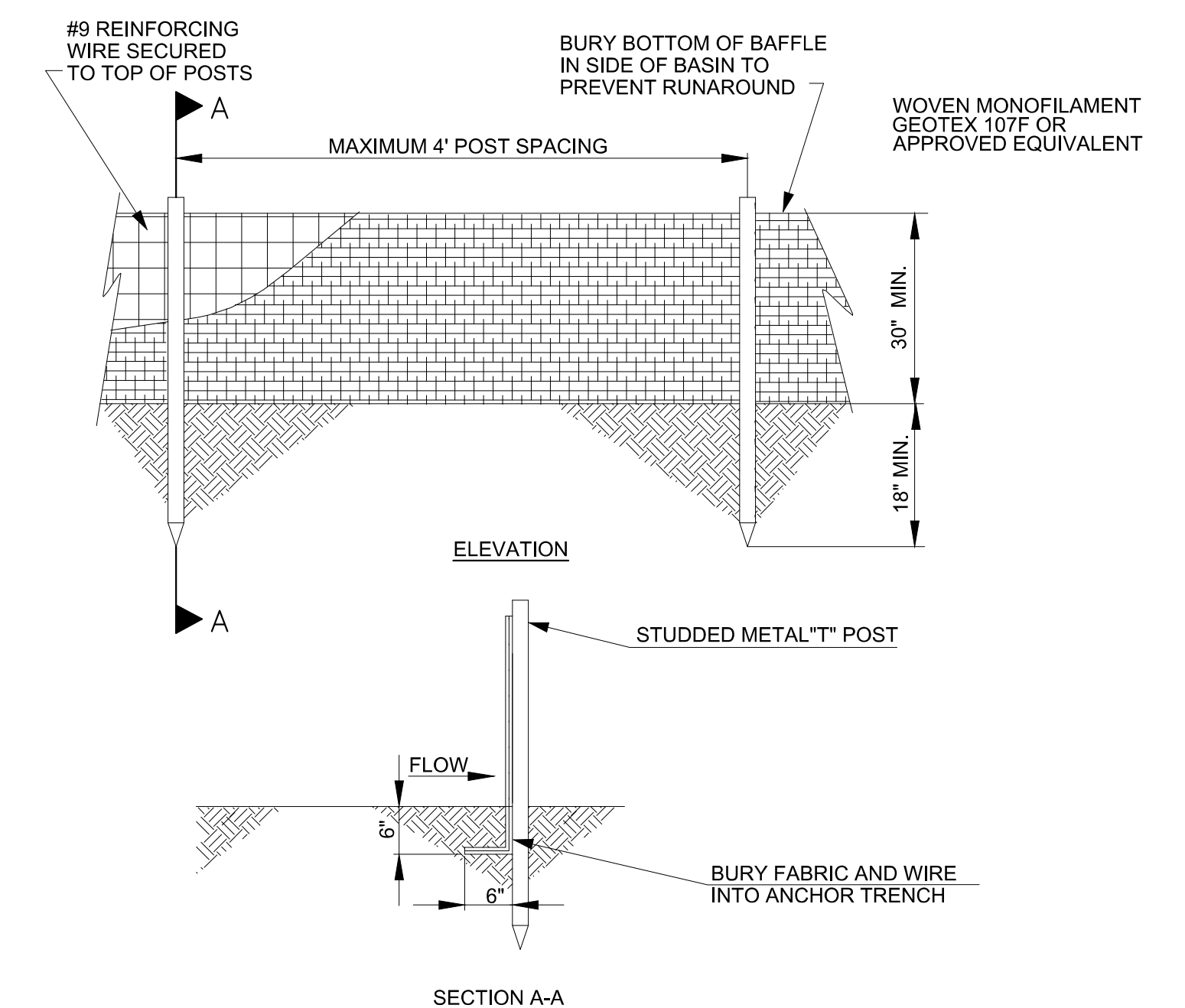
**2 CONSTRUCTION EXIT**  
C7.41 SCALE: N.T.S.

SPECIES	LBS PER ACRE	PLANTING DATES
MILLET, BROWNTOP OR GERMAN	40	APRIL 1 - AUGUST 15
RYE	3 BU	SEPTEMBER 1 - NOVEMBER 15
RYEGRASS	30	AUGUST 1 - SEPTEMBER 15
SORGHUM - SUDAN HYBRIDS	40	MAY 1 - AUGUST 1
SUDANGRASS	40	MAY 1 - AUGUST 1
WHEAT	3 BU	SEPTEMBER 1 - NOVEMBER 1
COMMON BERMUDAGRASS	10	APRIL 1 - JULY 1
CRIMSON CLOVER	10	SEPTEMBER 1 - NOVEMBER 1

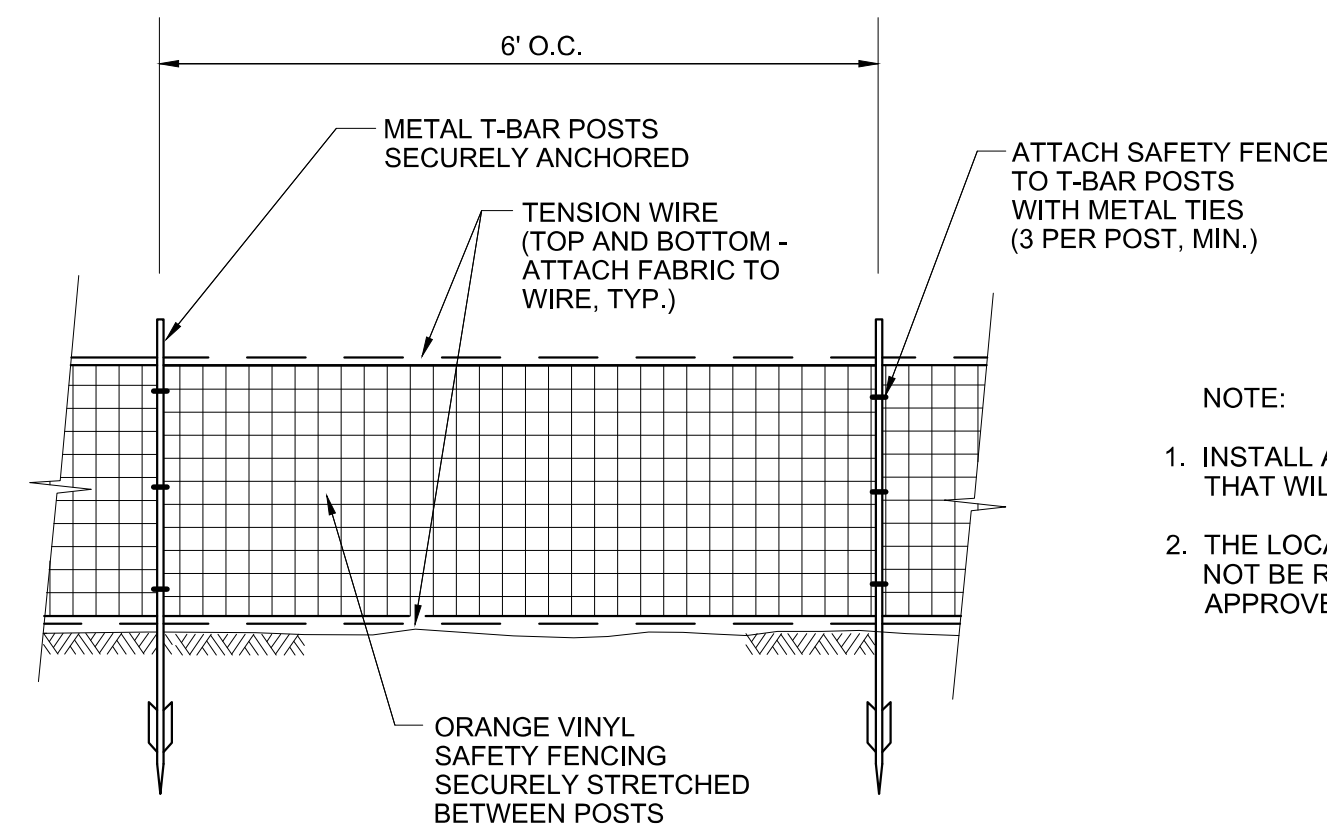
**3 TEMPORARY SEEDING**  
C7.41 SCALE: N.T.S.



**6 RIPRAP OUTLET PROTECTION**  
C7.41 SCALE: N.T.S.

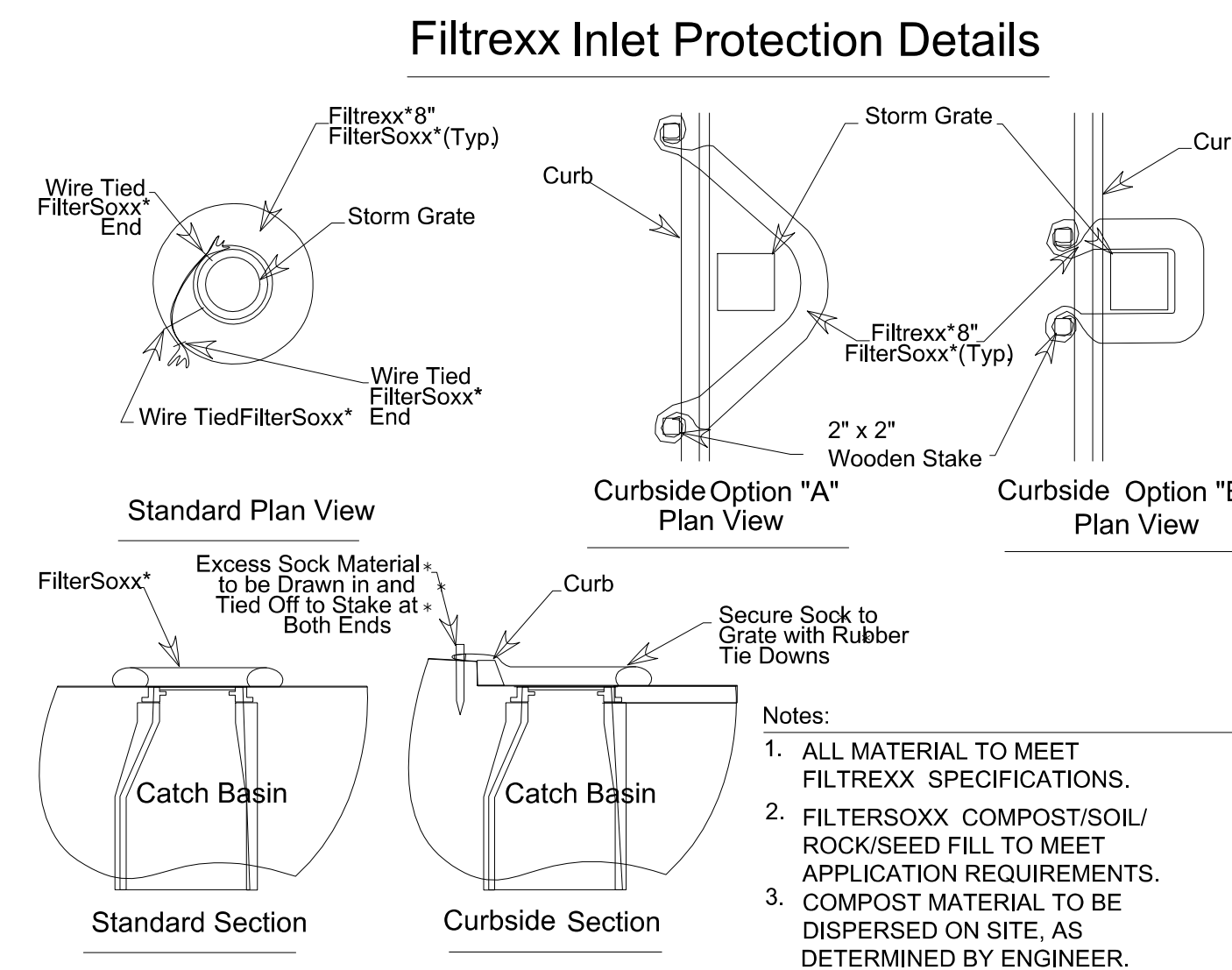


**8 SILT FENCE DETAIL**  
C7.41 N.T.S.



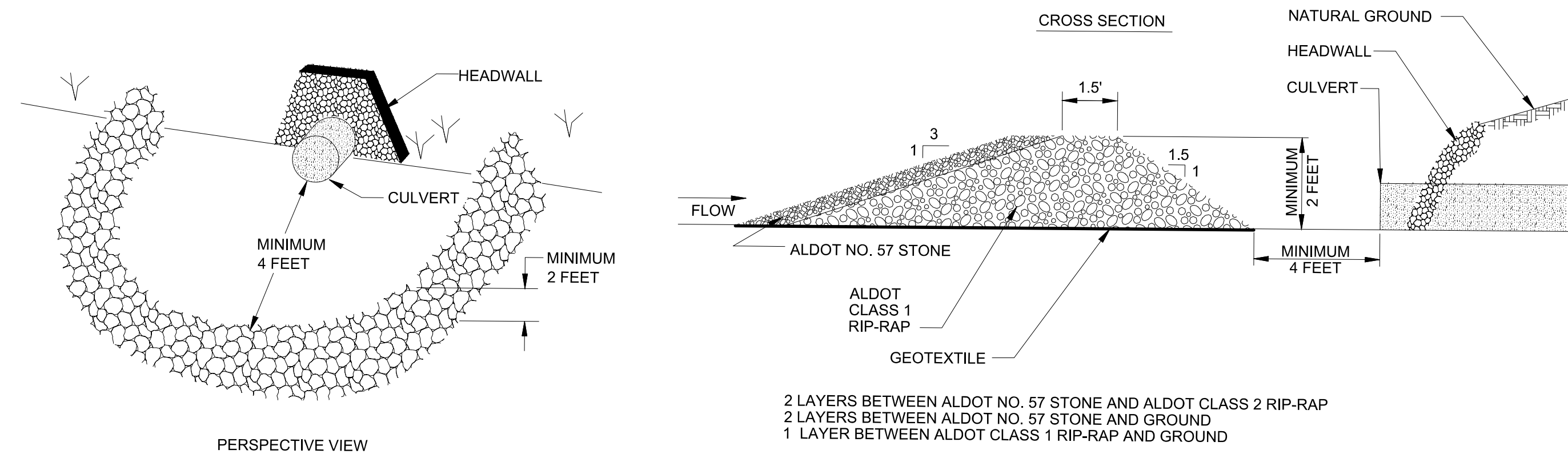
**4 CONSTRUCTION FENCING**  
C7.41 SCALE: N.T.S.

- NOTE:
1. INSTALL AT THE DRIP LINE OF ALL EXISTING TREES THAT WILL REMAIN OR THAT WILL BE TRANSPLANTED.
  2. THE LOCATION OF TREE PROTECTIVE FENCING MUST NOT BE REMOVED OR ALTERED IN ANY WAY UNLESS APPROVED BY LANDSCAPE ARCHITECT.



**5 INLET PROTECTION**  
C7.41 SCALE: N.T.S.

- Notes:
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
  2. FILTERSOXX COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
  3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.



**7 FILTER RING**  
C7.41 SCALE: N.T.S.

- 2 LAYERS BETWEEN ALDOT NO. 57 STONE AND ALDOT CLASS 2 RIP-RAP  
2 LAYERS BETWEEN ALDOT NO. 57 STONE AND GROUND  
1 LAYER BETWEEN ALDOT CLASS 1 RIP-RAP AND GROUND

REV.	DATE	DESCRIPTION	ISSUED FOR BID
0	04/21/2023		

ELECTRICAL POWER LEGEND	
SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD - 480Y/277 VOLT / 208Y/120 VOLT
	DRY-TYPE TRANSFORMER - SEE SCHEDULE
	NON-FUSED DISCONNECT SWITCH-AMPS (FUSE SIZE) POLES AS NOTED
	FUSED DISCONNECT SWITCH-AMPS (FUSE SIZE) POLES AS NOTED
	COMBINATION MOTOR STARTER/DISCONNECT
	MOTOR STARTER /CONTROLLER
	EQUIPMENT CONTROLLER OR TERMINATION BOX - FURN. W/EQUIP.
	MANUAL MOTOR STARTING SWITCH WITH OVERLOADS
	CONTROL RELAY
	CONTROL STATION - TYPE & MOUNTING AS NOTED
	DUPLEX CONVENIENCE RECEPTACLE
	QUADRUPLEX CONVENIENCE RECEPTACLE
	DUPLEX CONVENIENCE FLOOR RECEPTACLE
	DUPLEX CONVENIENCE RECEPTACLE WITH WEATHERPROOF COVER
	TAMPER RESISTANT RECEPTACLE
	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	ABOVE COUNTER RECEPTACLE
	CONDUIT TURNING UP/DOWN
	RANGE RECEPTACLE
	ELECTRIC DAMPER MOTOR
	THERMOSTAT
	GROUND ROD
	GROUND CONNECTION
	GROUND ROD IN GROUNDING WELL
	GROUNDING CONDUCTOR - #4/0 BARE COPPER, UON
	JUNCTION BOX WITH BLANK COVER - SIZE PER SPECS
	PULL BOX WITH BLANK COVER
	CONDUIT EXPOSED ON CEILING OR WALL - MIN. 2#12, 1#12G - 3/4" C
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND - MIN. 2#12, 1#12G - 3/4" C
	HOMERUN CONDUIT -MIN 3/4" C SHORT SLASHES INDICATE QTY OF #12 PHASE OR SWITCHING CONDUCTORS; LONG SLASHES INDICATE NEUTRAL CONDUCTORS CONDUIT CONCEALED IN CEILING OR WALL - MIN. 2#12, 1#12G - 3/4" C
	FLEXIBLE CONDUIT

ELECTRICAL LIGHTING LEGEND	
SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH
S <sub>2</sub>	TWO POLE TOGGLE SWITCH
S <sub>3</sub>	THREE WAY TOGGLE SWITCH
S <sub>4</sub>	FOUR WAY TOGGLE SWITCH
S <sub>P</sub>	SINGLE POLE TOGGLE SWITCH WITH PILOT LIGHT
S <sub>K</sub>	KEY OPERATED SINGLE POLE TOGGLE SWITCH
S <sub>D</sub>	DIMMER SWITCH
S <sub>a</sub> S <sub>b</sub> S <sub>c</sub>	SWITCH - SUPERScript DENOTES SWITCHING CIRCUIT(S)
PE	PHOTOELECTRIC SWITCH
TC	TIME CLOCK
LC	LIGHTING CONTACTOR
OC	WALL MOUNTED MOTION SENSING SWITCH, 48" AFF
OS	CEILING MOUNTED MOTION SENSING SWITCH
PP	MOTION SENSING SWITCH POWER PACK

ELECTRICAL ABBREVIATIONS LEGEND	
SYMBOL	DESCRIPTION
ABC	ABOVE COUNTERTOP OR LAVATORY
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
DP	DISTRIBUTION PANEL
EF	EXHAUST FAN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWB	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FBO	FURN'D BY OTHER DIV, INSTALLED AND/OR CONNECTED BY THIS DIV
G/GND/GRD	GROUND
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GWH	GAS FIRED WATER HEATER
GUH	GAS UNIT HEATER
HWP	HOT WATER PUMP
HWRP	HOT WATER RECIRCULATING PUMP
L	LOUVER
LC	LIGHTING CONTACTOR
LP	LIGHTING PANEL
MCC	MOTOR CONTROL CENTER
MSB	MOTOR STARTER
MTD	MOUNTED
OFE	OWNER FURNISHED EQUIPMENT
PP	POWER PANEL
RCP	RECIRCULATING PUMP
RP	RECEPTACLE PANEL
SCC	FIRE ALARM SYSTEM STATUS COMMAND CENTER
SS	SOUND SYSTEM
SPD	SURGE PROTECTIVE DEVICE
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
USS	UNIT SUB-STATION
WP	WEATHER PROOF
XFMR	TRANSFORMER

ELECTRICAL SYSTEMS LEGEND	
SYMBOL	DESCRIPTION
	CEILING MOUNTED SMOKE DETECTOR
	SMOKE DETECTOR WITH GUARD
	SMOKE DETECTOR WITH AUXILIARY RELAY
	DUCT SMOKE DETECTOR
	DUCT SMOKE DETECTOR WITH RELAY
	TELEPHONE CONDUIT (INSTALLATION METHOD AS INDICATED)
	TELEPHONE OUTLET
	WALL MOUNTED TELEPHONE OUTLET - MOUNTED 54" AFF UON
	TELEPHONE FLOOR OUTLET
	CEILING MOUNTED SOUND SYSTEM SPEAKER
	TELEPHONE /DATA OUTLET, MOUNTED 18" AFF MODULAR RJ-45. NUMBER INDICATES QUANTITY OF MODULES OUT OF A TOTAL 6 PER PLATE
	WALL MOUNTED SOUND SYSTEM SPEAKER
	TV OUTLET
	TV CONDUIT (INSTALLATION METHOD AS INDICATED)
	TERMINAL BACKBOARD
	TV TERMINAL CABINET - FLUSH/SURFACE MOUNTED
	DATA CONDUIT (INSTALLATION METHOD AS INDICATED)
	DATA OUTLET - "XD" DENOTES NUMBER OF CABLES/PORTS
	DATA FLOOR OUTLET
	NOTE INDICATOR

ELECTRICAL GENERAL NOTES	
1.	MAINTAIN INTEGRITY OF FIRE RESISTIVE ASSEMBLIES CLASSIFIED AS SMOKE AND FIRE/SMOKE PARTITIONS. ELECTRICAL BOXES MAY BE INSTALLED IN SUCH PARTITIONS WITHOUT AFFECTING RATING PROVIDED THAT 1) SUCH OPENINGS OCCUR ON ONLY ONE SIDE IN EACH FRAMING SPACE, 2) AREA OF OPENINGS DOES NOT EXCEED 16 SQUARE INCHES, AND 3) BOXES ON OPPOSITE FACES OF PARTITION ARE SEPARATED HORIZONTALLY BY NOT LESS THAN 24 INCHES. COMPLETELY FILL WITH APPROVED FIRE RESISTIVE COMPOUND ALL CLEARANCES BETWEEN OUTLET BOXES AND DRYWALL. BUILD WALL AROUND BOXES HAVING AREA GREATER THAN 16 SQUARE INCHES.
2.	INDEPENDENTLY SUPPORT FROM BUILDING STRUCTURE ALL CABLES, CONDUCTORS, AND WIRING NOT ROUTED ENCLOSED IN METALLIC CONDUIT, CABLE TRAY, WIREWAY, OR OTHER SPECIFIED ENCLOSURE. DO NOT DRAPE, STRAP, TAPE, OR ATTACH BY ANY MEANS TO HANGERS FOR OR THE EXTERIOR OF ANY CEILING SYSTEM, CONDUIT, DUCTWORK, PIPING, OR SIMILAR APPURTENANCE AS A MEANS OF SUPPORT.
3.	VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE / PAVING, ETC. REQUIRED. E.C. RESPONSIBLE FOR BACKFILLING TRENCHES TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.
4.	WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE OF ALABAMA, AND NATIONAL CODES AND ORDINANCES UNLESS GIVEN VARIANCE BY AHJ.
5.	PROVIDE PERMITS AND INSPECTIONS REQUIRED.
6.	REVIEW CIVIL, LANDSCAPE ARCHITECT, AND ARCHITECT DRAWINGS PRIOR TO BID.
7.	COORDINATE WITH OWNER OR OWNER'S SELECTED VENDOR PRIOR TO ROUGH-IN FOR EXACT LOCATION AND MOUNTING HEIGHT OF SPECIAL PURPOSE OUTLETS DEDICATED TO SPECIFIC EQUIPMENT. VERIFY HARD-WIRE OR RECEPTACLE CONNECTION AND REQUIRED NEMA CONFIGURATION FOR ALL SUCH DEVICES. PROVIDE CORRECT QUANTITY OR PROPERLY SIZED CIRCUIT CONDUCTORS IN PROPERLY SIZED RACEWAY, AND PROVIDE AND CONNECT TO PROPERLY SIZED OVERCURRENT PROTECTIVE DEVICE PER NEC & VENDOR REQUIREMENTS.
8.	ALL SYMBOLS SHOWN ON THE LEGEND MAY NOT BE USED ON THIS PROJECT. ONLY THOSE SYMBOLS SHOWN ON THIS SET OF CONTRACT DOCUMENTS APPLY.
9.	THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO INCLUDE EVERY DETAIL OR REQUIRED CONSTRUCTION, EQUIPMENT, AND MATERIALS. PROVIDE ALL MATERIALS AND LABOR NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS BUT WHICH ARE NECESSARY TO COMPLETE THE WORK. ROUTE CONDUIT PARALLEL AND PERPENDICULAR TO LINES OF BUILDING STRUCTURE. DO NOT ROUTE CONDUITS UNDER PLAYING FIELDS. DO NOT ROUTE UNDER STRUCTURES EXCEPT TO SERVE THE STRUCTURES.
10.	WHERE NOT LOCATED IN ASSIGNED COORDINATED ROUTING SPACES, COORDINATE ROUTING OF ALL LARGE (2" AND GREATER) CONDUITS AND PULL BOX LOCATIONS WITH DUCTWORK, PIPING, AND ALL WORK OF OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS AND ENSURE REQUIRED CLEARANCE AND ACCESSIBILITY OF ALL ELECTRICAL, MECHANICAL AND PROCESS EQUIPMENT.
11.	MINIMUM ACCEPTABLE CONDUIT SIZE IS 3/4" ABOVE GRADE AND 1" BELOW SLAB OR GRADE UNLESS OTHERWISE INDICATED.
12.	CIRCUIT AMPACITY RATINGS ARE BASED ON RACEWAYS NOT EXCEEDING (3) CURRENT-CARRYING CONDUCTORS PLUS NEUTRAL CONDUCTOR AND EQUIPMENT GROUND CONDUCTOR, PER N.E.C. PROVIDE DEDICATED NEUTRALS FOR SINGLE PHASE BRANCH CIRCUITS, UNLESS SPECIFICALLY INDICATED OTHERWISE. WHERE GROUPINGS ARE IMPLEMENTED, CONTRACTOR IS RESPONSIBLE FOR DETERMINING REQUIRED CONDUCTOR SIZE AND PROVISION OF UP-SIZED CONDUCTORS TO MAINTAIN AMPACITY RATING BASED ON APPLICABLE N.E.C. DERATING FACTORS.
13.	INCLUDE A GREEN-INSULATED GROUNDING CONDUCTOR, SIZED PER N.E.C. ARTICLE 250, IN ALL FEEDER AND BRANCH CIRCUIT RACEWAYS.
14.	PROVIDE APPROPRIATE STEEL OR NYLON PULL WIRE IN EACH EMPTY SYSTEMS CONDUIT INCLUDED IN THIS PROJECT.
15.	DO NOT USE ANY LIGHT FIXTURE AS A RACEWAY FOR CONDUCTORS NOT SERVING THAT FIXTURE, UNLESS FIXTURE IS DESIGNED AND UL-LISTED FOR USE AS A RACEWAY.
16.	REFER TO ARCHITECTURAL REFLECTED CEILING PLAN (RCP) FOR EXACT LOCATION OF ALL OVERHEAD LIGHT FIXTURES LOCATED IN SPACES HAVING CEILINGS OR EXPOSED AREAS.
17.	IN ELECTRICAL, MECHANICAL, AND PROCESS EQUIPMENT SPACES HAVING NO CEILING, COORDINATE EXACT LOCATION OF ALL OVERHEAD LIGHT FIXTURES WITH BUSWAY, CABLE TRAY, CONDUIT, AND OTHER ELECTRICAL EQUIPMENT; DUCTWORK, HEADERS, PIPING AND OTHER MECHANICAL AND PROCESS EQUIPMENT; ARCHITECTURAL AND STRUCTURAL FEATURES; AND OTHER OBSTRUCTIONS AS REQUIRED TO PROVIDE FULLY COORDINATED LAYOUT AS CLOSE AS POSSIBLE TO THAT SHOWN ON THE DRAWINGS.
18.	CONNECT BATTERY BACK-UP EMERGENCY LIGHTING UNITS INSTALLED IN FIXTURES, EXIT SIGNS HAVING BATTERY BACK-UP AND BATTERY-POWERED "EMERGENCY ONLY" LIGHTING UNITS TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT IN ACCORDANCE WITH N.E.C. AND MANUFACTURER'S RECOMMENDATIONS, TO PROVIDE FOR CONSTANT BATTERY CHARGING AND SUCH THAT FAILURE OF CIRCUIT TRANSFERS UNIT FROM NORMAL TO EMERGENCY MODE CAUSING THE LAMP TO OPERATE.
19.	COORDINATE EXACT LOCATION OF EACH ELECTRICAL OUTLET (BLANK COVERED BOXES, RECEPTACLES, SWITCHES, VOICE / DATA OUTLETS, ETC.) WITH CASEWORK, FURNITURE, AND MILLWORK WHERE NECESSARY. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS, LARGE SCALE DRAWINGS AND VENDOR DRAWINGS WHERE APPLICABLE. COORDINATE MOUNTING HEIGHT AND ORIENTATION OF "ABOVE COUNTER" DEVICES WITH ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN. IF NOT DIRECTED OTHERWISE, INSTALL "ABOVE COUNTER" OUTLETS ORIENTED VERTICALLY 4" ABOVE BACKSPLASH OR 4" ABOVE COUNTER TOP SURFACE TO CENTER LINE WHEN NO BACKSPLASH IS PROVIDED.
20.	DO NOT ATTACH STARTERS AND DISCONNECTS FURNISHED UNDER ELECTRICAL DIVISION DIRECTLY TO EQUIPMENT FURNISHED BY OTHERS. WALL MOUNT OR PROVIDE INDEPENDENT SUPPORT.
21.	BOND ALL INTERIOR METALLIC PIPING SYSTGEMS, INCLUDING NATURAL GAS, IN ACCORDANCE WITH N.E.C. ARTICLE 250.
22.	CONTRACTOR SHALL SUBMIT AS-BUILTS AND TEST RESULTS FOR ELECTRIC POWER SYSTEM WITHIN 30 DAYS OF SYSTEM ACCEPTANCE PER ENERGY CONSERVATION CODE AND PER DIVISION 1 SPECIFICATION.
23.	LABELS SHALL BE PROVIDED PER SPECIFICATION SECTION 260503 FOR ALL ELECTRICAL EQUIPMENT. LABELS FOR PANELS, TRANSFORMERS, STARTERS, DISCONNECT SWITCHES, ETC. SHALL INCLUDE CIRCUIT SOURCE.
24.	SUBMIT RECORD DRAWINGS AND O&M MANUALS OF ACTUAL LIGHTING, CONTROLS, AND ELECTRICAL INSTALLATION TO THE BUILDING OWNER, ARCHITECT AND CODE OFFICIALS IN ACCORDANCE WITH ASHRAE 90.1 PARAGRAPH 9.7.2.1 PER 9.7.2.2.

**BARGE**  
DESIGN SOLUTIONS

200 Clinton Avenue / Suite 800 / Huntsville, Alabama 35891  
Phone: 256.533.1981 / Fax: 256.533.1984

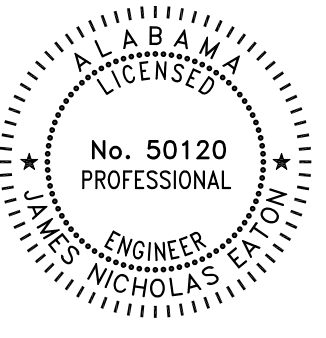
ALABAMA  
LICENSED  
No. 50120  
PROFESSIONAL  
ENGINEER  
WILLIAMS NICHOLAS EATON

ELECTRICAL LEGEND  
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

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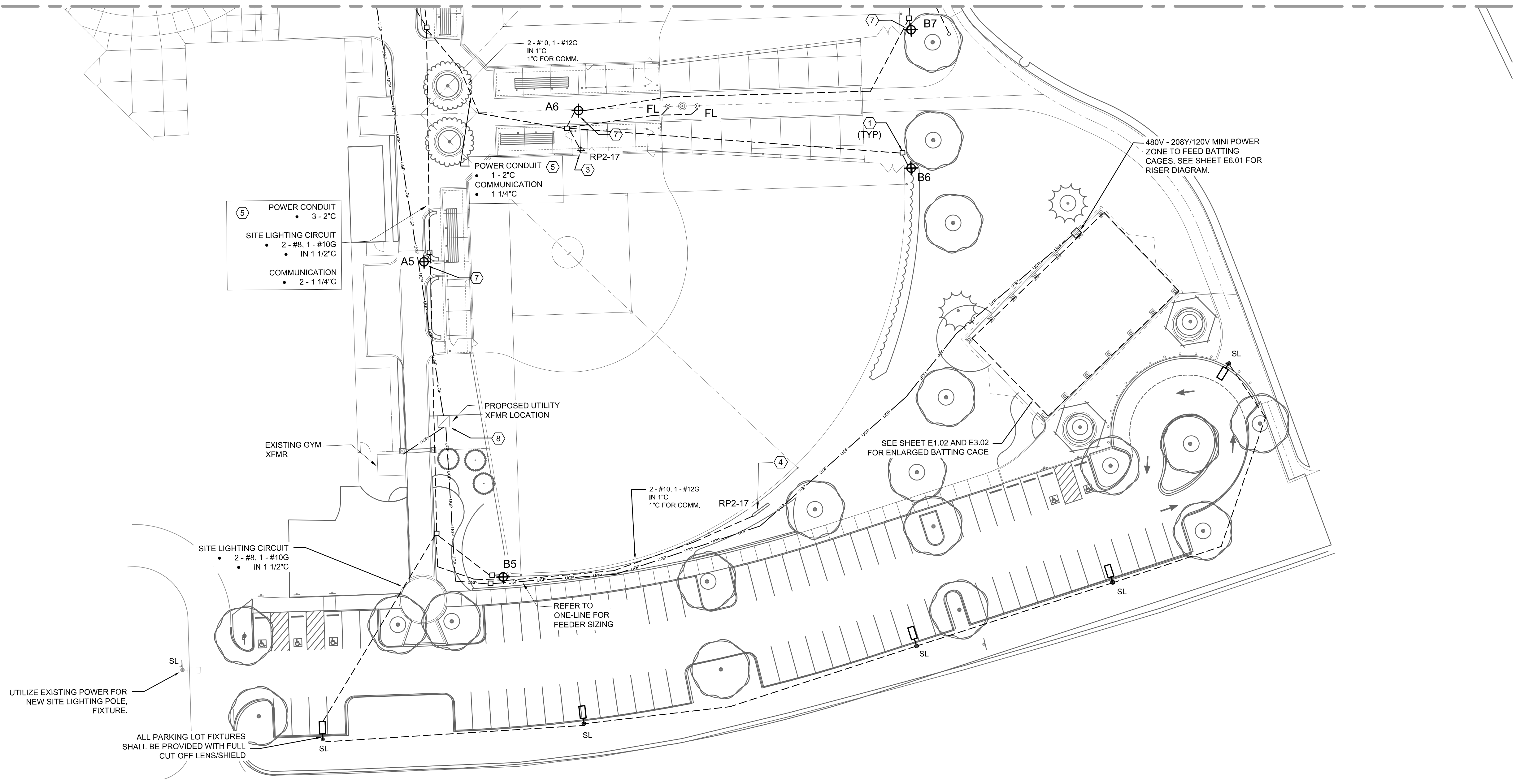
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**SITE ELECTRICAL PLAN**  
**CITY OF GUNTERSVILLE**  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

SEE DWG. E0.03



- 5 POWER CONDUIT
  - 3 - 2" C
- SITE LIGHTING CIRCUIT
  - 2 - #8, 1 - #10G
  - IN 1 1/2" C
- COMMUNICATION
  - 2 - 1 1/4" C

UTILIZE EXISTING POWER FOR NEW SITE LIGHTING POLE, FIXTURE.

ALL PARKING LOT FIXTURES SHALL BE PROVIDED WITH FULL CUT OFF LENS/SHIELD

**CIRCUIT SUMMARY BY ZONE - LCC-2 CONTACTOR SCHEDULE**

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	CIRCUIT	WIRE SIZE (FROM CONTACTOR)	ZONE
A5, B5	FIELD 4	8	8	10.7	30	C1	DP2 - 2, 4, 6	3 - #8, 1-#8G	1
A6, B6	FIELD 4	8	8	10.7	30	C2	DP2 - 8, 10, 12	3 - #8, 1-#8G	1
A6, B7	FIELD 5	8	8	10.7	30	C3	DP2 - 14, 16, 18	3 - #8, 1-#8G	2
A7, B8	FIELD 5	8	8	10.7	30	C4	DP2 - 20, 22, 24	3 - #8, 1-#8G	2
A5, A6, A7, B7, B8	SECURITY	5	5	4.8	30	C5	DP2 - 26, 28, 30	3 - #8, 1-#8G	3

NOTES:  
 A) REFER TO MUSCO DRAWINGS FOR ALL CONTROL, POWER, AND INSTALLATION REQUIREMENTS FOR ALL FIELD LIGHTING AS WELL AS PHOTOMETRICS.  
 B) CONTACTOR PROVIDED BY MUSCO, SCHEDULE FOR CLARITY ONLY. REFER TO MUSCO PROVIDED DRAWINGS.  
 C) CONDUIT SIZE PROVIDE ON SITE LAYOUT.  
 D) GROUND WIRE PROVIDED IN CONDUIT, CONTACTOR FEEDS SHALL SHARE GROUND.

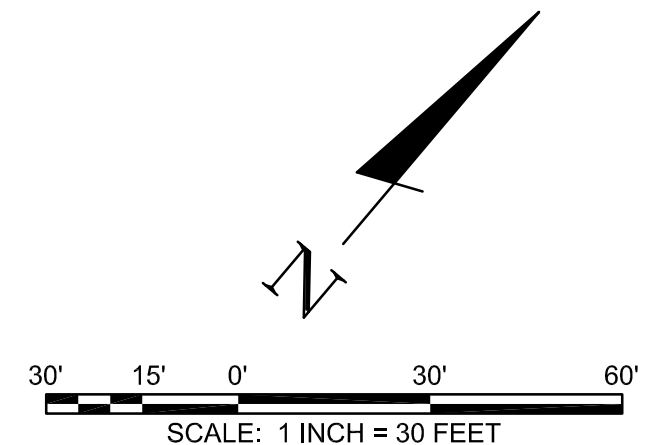
**GENERAL NOTES**

1. COORDINATE ALL WORK WITH OTHER TRADES.
2. ALL FIELD LIGHTING POLES, LUMINAIRES AND ASSOCIATED CONTROL CABINET SYSTEMS ARE TO BE FURNISHED BY THE CITY OF GUNTERSVILLE AND INSTALLED BY CONTRACTOR.
3. NO CONDUITS SHALL BE ROUTED UNDER THE FIELD PLAYING AREA. UTILIZE PERIMETER OF PLAYING SURFACES FOR ALL POWER, LIGHTING AND DATA/TELE./COMM. CONDUITS AND DUCTS.
4. ALL SITE LIGHTING CIRCUITS ARE #6 (PHASE CONDUCTORS AND NEUTRAL) WITH #10G IN 2" U.N.O.
5. ALL FENCES, GATES, BLEACHERS, DUGOUTS AND THE BACKSTOPS SHALL BE GROUNDED PER DETAIL 3, SHEET E7.01.
6. REFER TO DETAIL SHEETS E7.01-7.04.
7. REFER TO SHEET E9.01 FOR SITE FIXTURE SCHEDULE.
8. PROVIDE PULL STRING/WIRE IN ALL COMMUNICATION CONDUITS WITH 10' AT END OF EACH TERMINATION.
9. CONTRACTOR SHALL PROVIDE A BIRD DETERRENT AT THE TOP OF ALL MUSCO PROVIDED FIXTURES. COORDINATE WITH MUSCO REPRESENTATIVE ON APPLICABLE ATTACHMENTS MADE FOR THEIR POLES.
10. COORDINATE SECURITY LIGHTING CONTROLS FOR FIXTURES MOUNTED ON MUSCO POLES WITH MUSCO REP.
11. MUSCO LIGHTING POLES SHOWN ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS SHALL BE COORDINATED WITH MUSCO DRAWINGS AND MUSCO REP. ALLOW FOR 5'-10" ADJUSTMENTS PER POLE.

**KEYED NOTES**

- 1 (2)QUAZITE PG STYLE HAND HOLES OR EQUAL, (1) #PG173BA24, TIER 22, WITH COVER #PG1730HA29, TIER 22 (LIGHTING); (1) #PG1730BA24, TIER 22, WITH COVER #PG1730HA12, TIER 22 (COMM.). SEE SHEET E7.02.
- 2 QUAZITE PG STYLE HAND HOLE OR EQUAL, #PG3048BA24, TIER 22, WITH COVER #PG13240HA29, TIER 22.
- 3 STUB UP 6" ABOVE GRADE TO A WEATHERPROOF BOX AND PROVIDE QUAD GFCI RECEPTACLE AT SCORER'S TABLE. PROVIDE "IN-USE" COVERS. BRANCH CIRCUIT SHALL BE 2 - #10, 1 - #12G IN 1" C FED FROM PANEL RP2. PROVIDE 1" C TO SCOREBOARD FOR CONTROLS. CONDUIT SHALL NOT BE ROUTED UNDER PLAYING AREAS. SEE DETAIL 5, SHEET E7.02.
- 4 PROVIDE WEATHER PROOF JUNCTION BOX FOR SCOREBOARD (SEE MATERIALS SCHEDULE 1/L7.01). COORDINATE EXACT LOCATION WITH VENDOR AND PROVIDE WEATHER TIGHT FLEXIBLE CONDUIT CONNECTION TO SCOREBOARD CONNECTION POINT. PROVIDE 20A 120V SINGLE POLE NEMA 3R SWITCH. BRANCH CIRCUIT SHALL BE 2 - #10, 1 - #12G IN 1" C FROM PANEL RP3.
- 5 SEE LOAD SUMMARY FOR WIRE SIZE, GROUP (2) FEEDS FROM CONTACTOR TOGETHER IN CONDUIT. PROVIDE ALL CONDUITS WITH #8G.
- 6 CONTROL FLAG LIGHTS VIA PHOTOCELL/TIMECLOCK LOCATED ADJACENT TO PANEL RP2. ORIENT FIXTURES FOR 30' FLAG POLE TO COMPLETELY ILLUMINATE USA FLAG.

- 7 POLE PROVIDED WITH MUSCO SECURITY FIXTURE. CONTRACTOR RESPONSIBLE FOR WIRING.
- 8 PAD MOUNTED UTILITY OWNED XFMR. SEE RISER DIAGRAM ON SHEET E6.01 FOR CONDUIT/WIRE SIZE. COORDINATE PRIMARY ROUTING WITH LOCAL UTILITY.

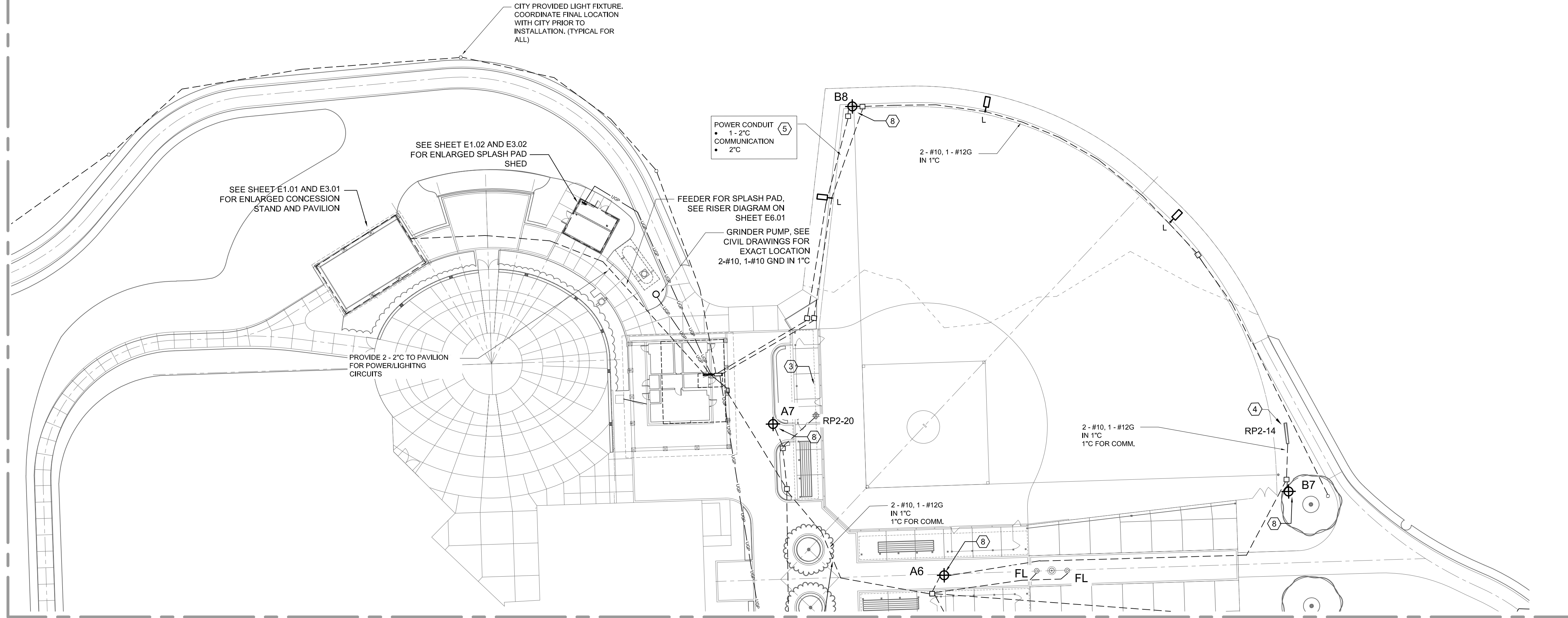


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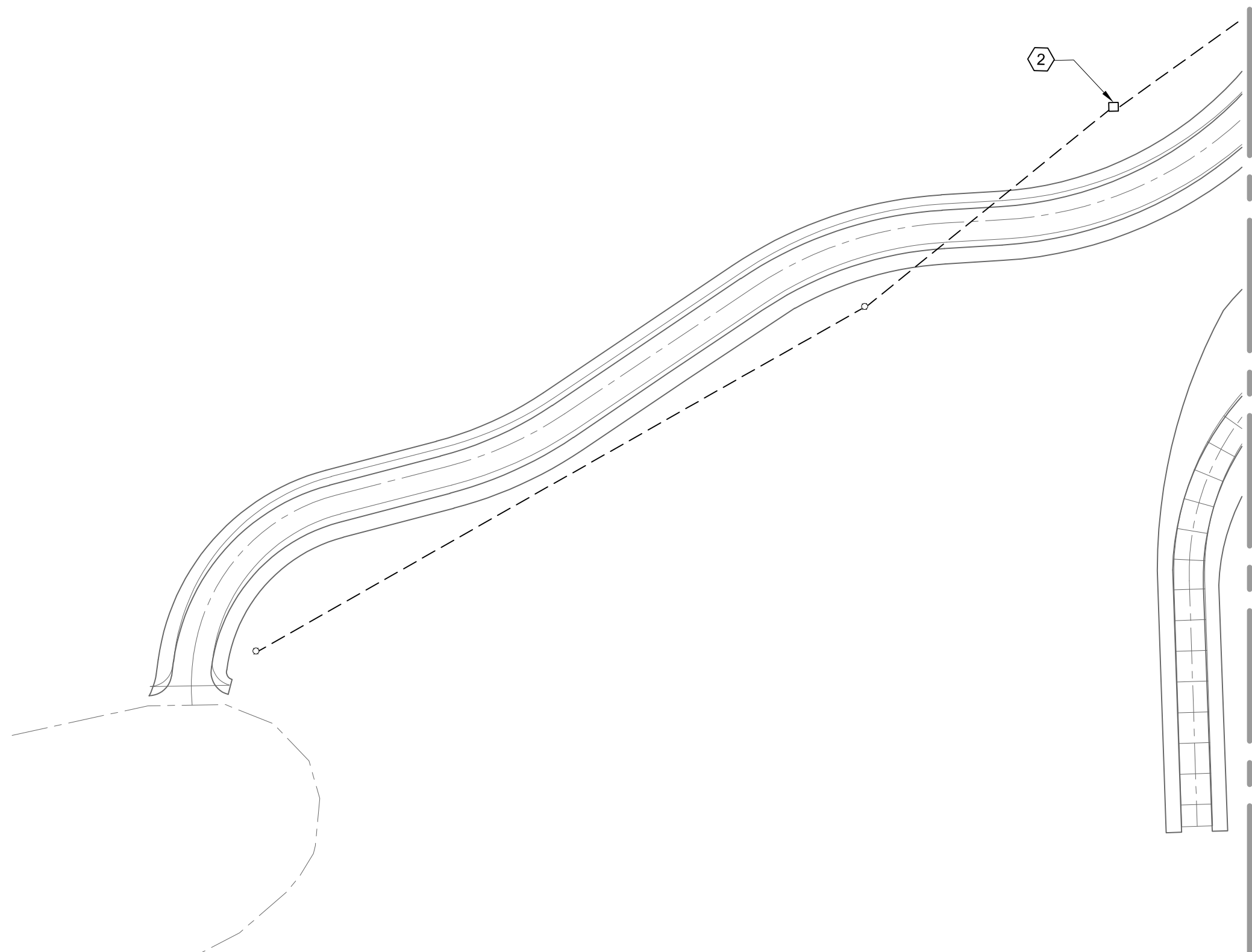
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 PLOTTED:04/21/2023

SEE DWG. E0.03 BELOW



SEE DWG. E0.02



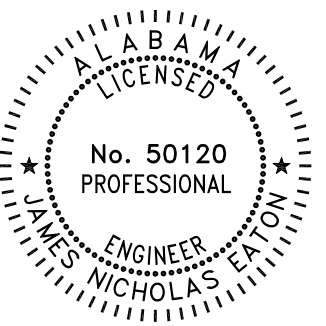
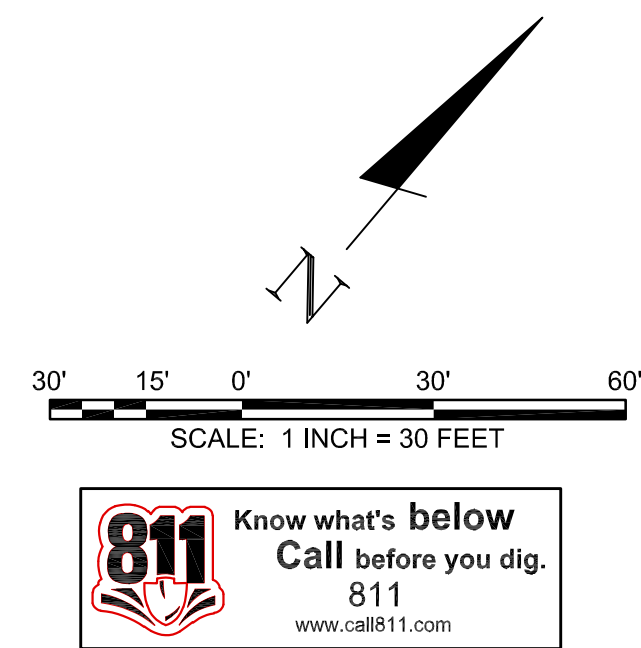
SEE DWG. E0.03 ABOVE

GENERAL NOTES

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- ALL FIELD LIGHTING POLES, LUMINAIRES AND ASSOCIATED CONTROL CABINET SYSTEMS ARE TO BE FURNISHED BY THE CITY OF GUNTERVILLE AND INSTALLED BY CONTRACTOR.
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- ALL SITE LIGHTING CIRCUITS ARE #6 (PHASE CONDUCTORS AND NEUTRAL) WITH #10G IN 2\"C U.N.O.
- ALL FENCES, GATES, BLEACHERS, DUGOUTS AND THE BACKSTOPS SHALL BE GROUNDED PER DETAIL 3, SHEET E7.01.
- REFER TO DETAIL SHEETS E7.01-7.04.
- REFER TO SHEET E9.01 FOR SITE FIXTURE SCHEDULE.
- PROVIDE PULL STRING/WIRE IN ALL COMMUNICATION CONDUITS WITH 10' AT END OF EACH TERMINATION.
- CONTRACTOR SHALL PROVIDE A BIRD DETERRENT AT THE TOP OF ALL MUSCO PROVIDED FIXTURES. COORDINATE WITH MUSCO REPRESENTATIVE ON APPLICABLE ATTACHMENTS MADE FOR THEIR POLES.
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- MUSCO LIGHTING POLES SHOWN ARE DIAGRAMMATIC ONLY, EXACT LOCATIONS SHALL BE COORDINATED WITH MUSCO DRAWINGS AND MUSCO REP. ALLOW FOR 5'-10' ADJUSTMENTS PER POLE.

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- PAD MOUNTED UTILITY OWNED XFMR. SEE RISER DIAGRAM ON SHEET E6.01 FOR CONDUIT/WIRE SIZE. COORDINATE PRIMARY ROUTING WITH LOCAL UTILITY.
- PROVIDE 2 - #8, 1 - #10G IN 1\"C FOR NEW RIVERWALK LIGHTING FIXTURES. FEED FROM SECONDARY OF XFMR. PROVIDE 277V 30A FUSED DISCONNECT ADJACENT TO XFMR MOUNTED ON CONTRACTOR PROVIDED RACK.
- SEE LOAD SUMMARY ON SHEET E0.02 FOR WIRE SIZE. GROUP (2) FEEDS FROM CONTRACTOR TOGETHER IN CONDUIT. PROVIDE ALL CONDUITS WITH #8G.
- POLE PROVIDED WITH MUSCO SECURITY FIXTURE. CONTRACTOR RESPONSIBLE FOR WIRING.



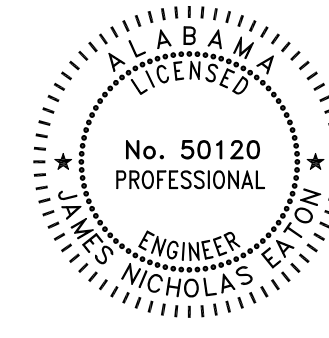
SITE ELECTRICAL PLAN

CITY OF GUNTERVILLE  
 GUNTERVILLE PARK - PHASE 2  
 GUNTERVILLE, ALABAMA

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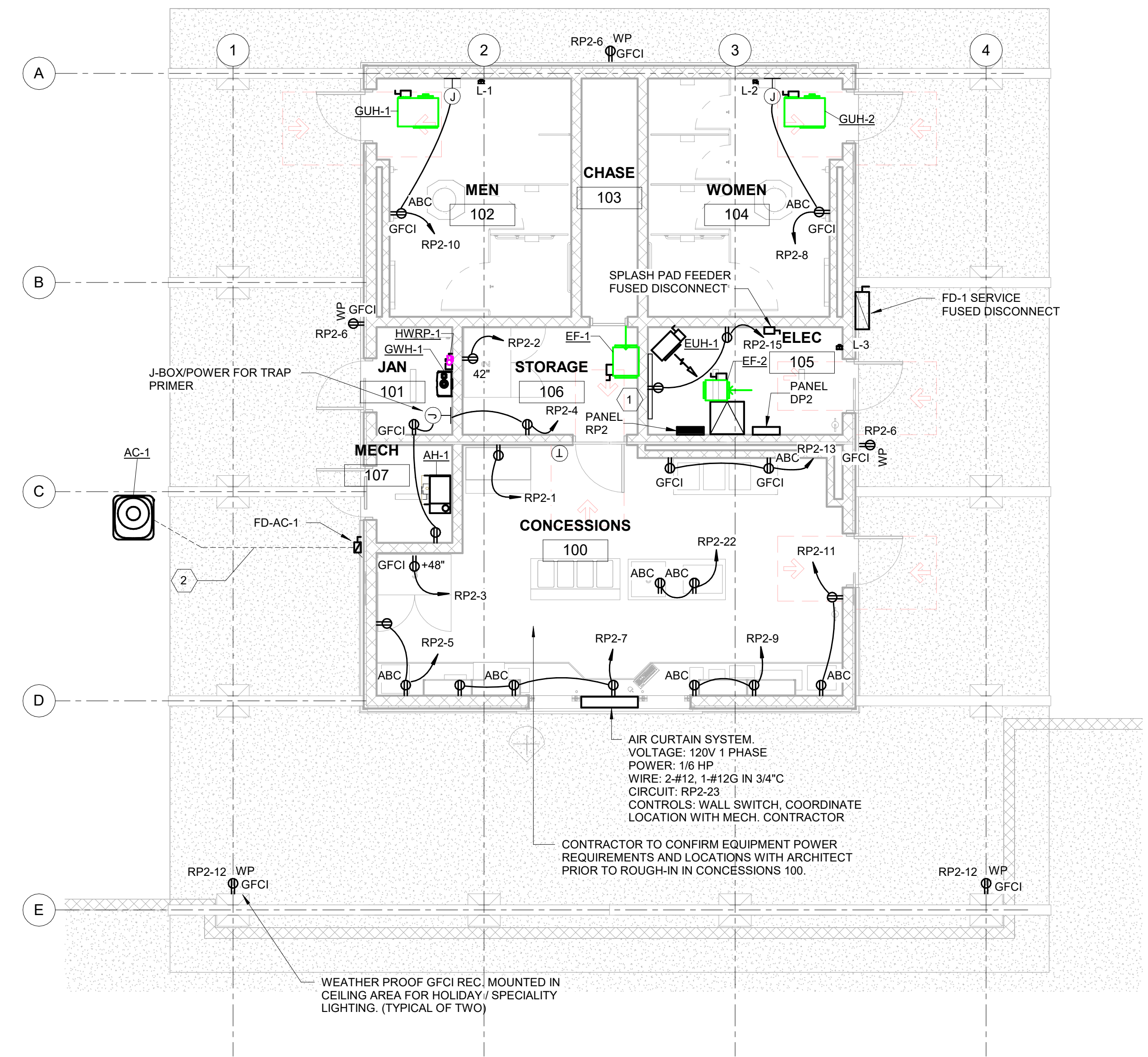
CONCESSIONS/PAVILION POWER PLANS  
CITY OF GUNTERVILLE  
GUNTERVILLE PARK - PHASE 2  
GUNTERVILLE, ALABAMA

**ELECTRICAL UNREFERENCED NOTES**

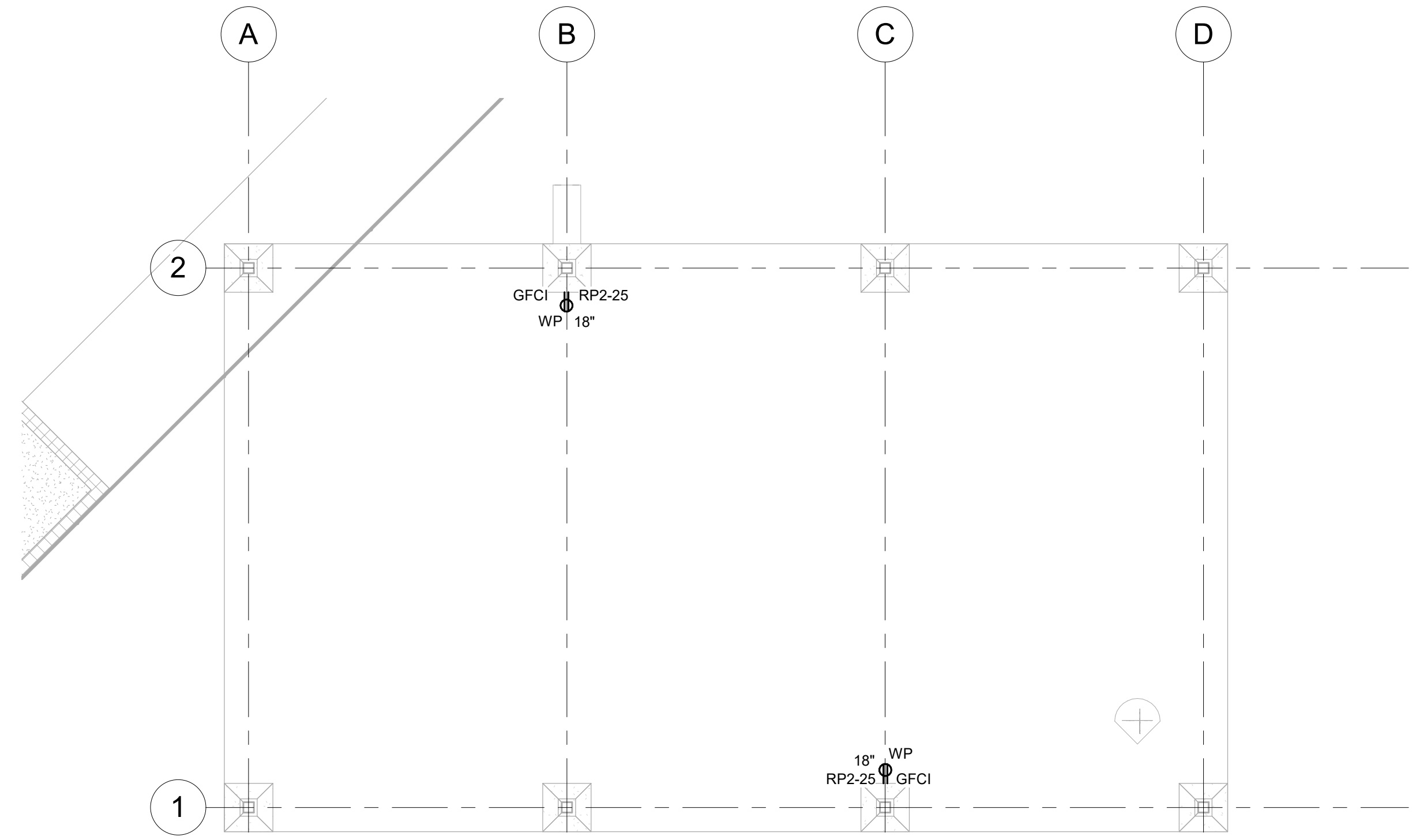
- FOR LEGEND AND GENERAL NOTES, SEE SHEET E0.01.
- PROVIDE SINGLE GANG BOX WITH 3/4" CONDUIT UP TO MECHANICALLY PROVIDED T-STAT WITH PULL WIRE/STRING IN CONDUIT. COORDINATE EXACT LOCATIONS/REQUIREMENTS AND ELEVATIONS WITH MECHANICAL PLANS.
- COORDINATE ALL CONCESSION STAND EQUIPMENT REQUIRING POWER WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. RECEPTACLES PROVIDED ARE CONVENIENCE LOCATIONS ONLY.
- COORDINATE LOCATION AND WIRING WITH MECHANICAL CONTRACTOR ON EXHAUST FANS OPERATED BY LINE-VOLTAGE THERMOSTATS.

**ELECTRICAL REFERENCED NOTES**

- INSTALL A 4'X6'X3/4" CLASS C OR BETTER PLYWOOD FOR COMMUNICATION BACKBOARD. PROVIDE 2 - 3" FROM COMMUNICATION PEDESTAL WITH PULL STRINGS TO THIS GENERAL LOCATION. COORDINATE PEDESTAL LOCATION WITH LOCAL PROVIDER.
- RUN CONDUIT UNDERGROUND AND STUB UP THEN USE FLEX CONDUIT WITHIN 24" OF UNIT.



**CONCESSIONS BUILDING POWER PLAN - PHASE II**  
1 E1.01  
SCALE: 3/16" = 1'-0"  
PLAN NORTH

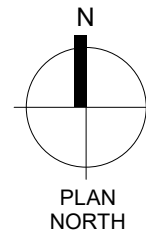
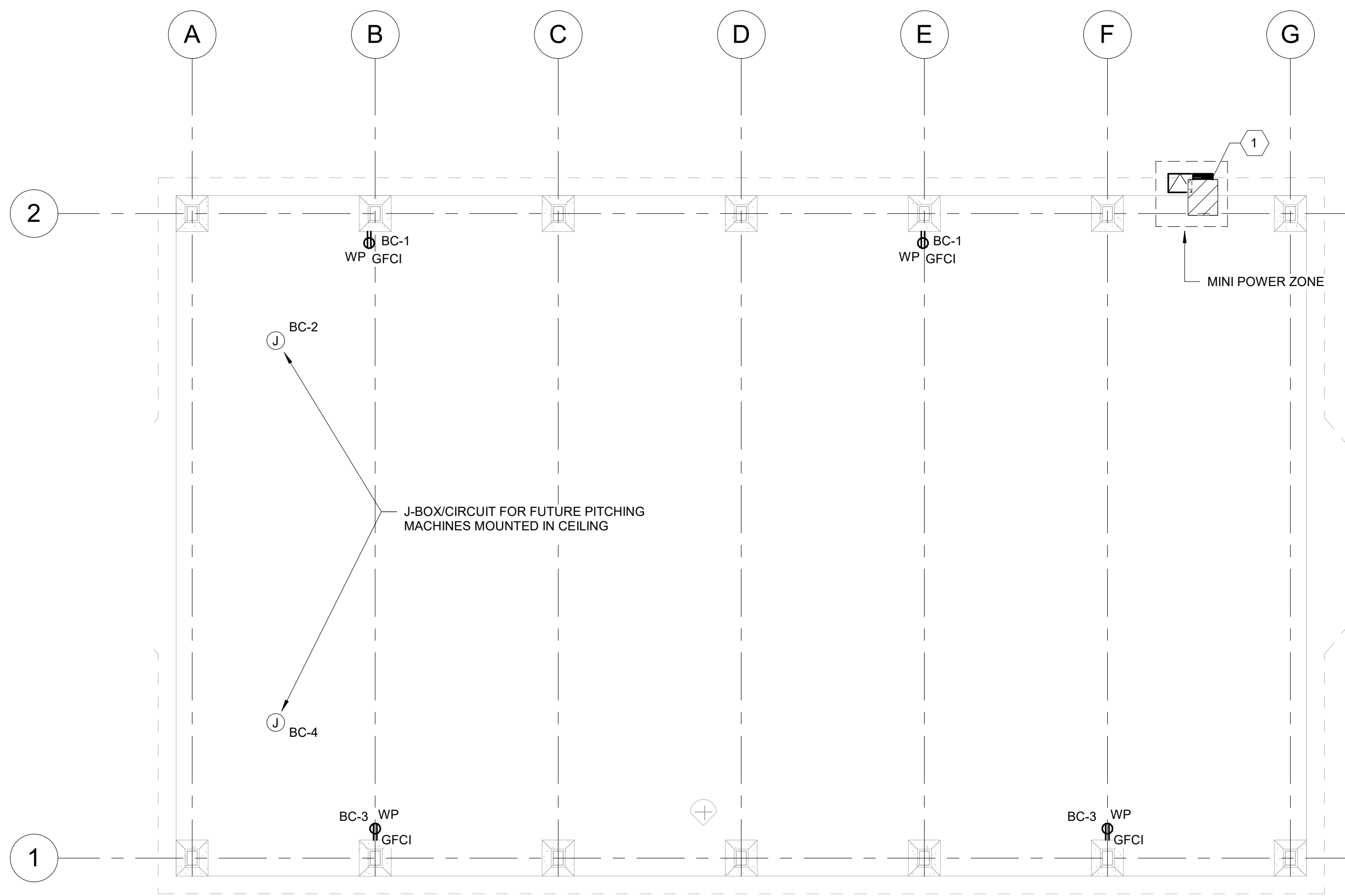


**PAVILION BUILDING POWER PLAN - PHASE II**  
2 E1.01  
SCALE: 3/16" = 1'-0"  
PLAN NORTH

Drawing: E1.01, CONCESSIONS/PAVILION POWER PLANS  
Time / Date: 4/21/2023, 1:00:31 PM  
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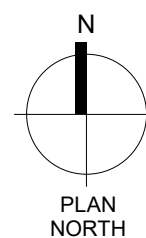
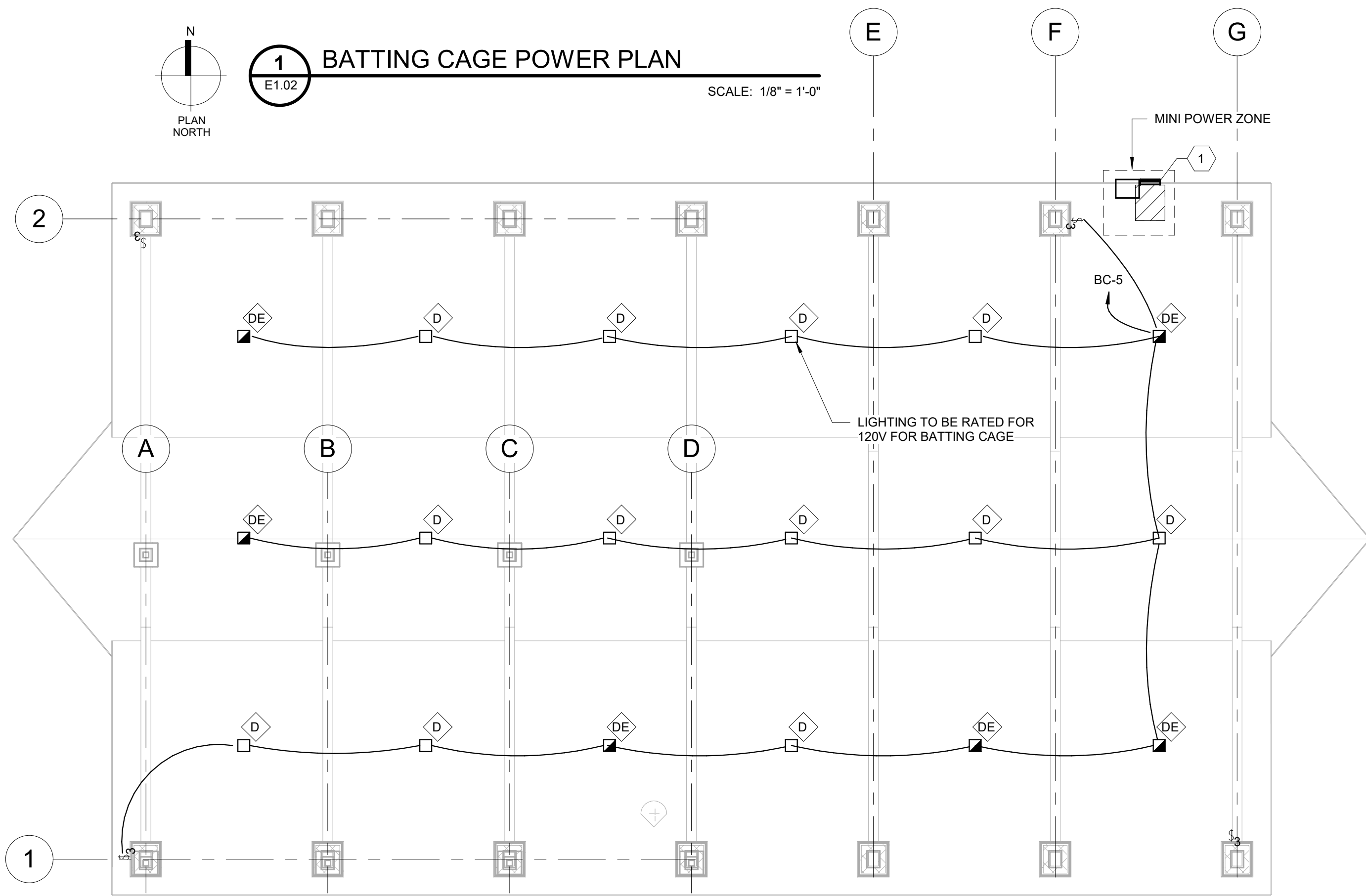
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1  
E1.02

**BATTING CAGE POWER PLAN**

SCALE: 1/8" = 1'-0"



2  
E1.02

**BATTING CAGE LIGHTING PLAN**

SCALE: 1/8" = 1'-0"

**ELECTRICAL UNREFERENCED NOTES**

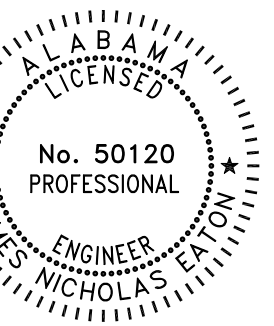
- FOR LEGEND AND GENERAL NOTES, SEE SHEET E0.01.
- BATTING CAGE LIGHTING SHALL BE CONTROLLED VIA WALL SWITCH. LIGHTS TO BE ROUTED THROUGH TIMECLOCK SO THAT THEY SHUT OFF DURING UNOCCUPIED TIMES.

**KEYED NOTES** (X)

- MINI POWER ZONE SHALL BE PROVIDED WITH SERVICE RATED MAIN BREAKER

**BARGE**  
DESIGN SOLUTIONS

200 Clifton Avenue // Suite 800 // Huntsville, Alabama 35891  
Phone: 256.533.1811 // Fax: 256.533.1594



**BATTING CAGE POWER AND LIGHTING**

CITY OF GUNTERVILLE  
GUNTERVILLE PARK

GUNTERVILLE, ALABAMA

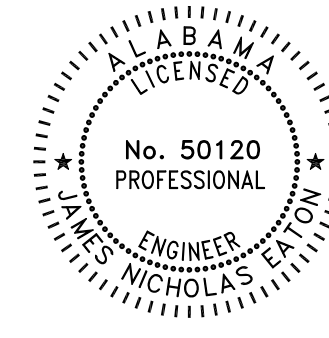
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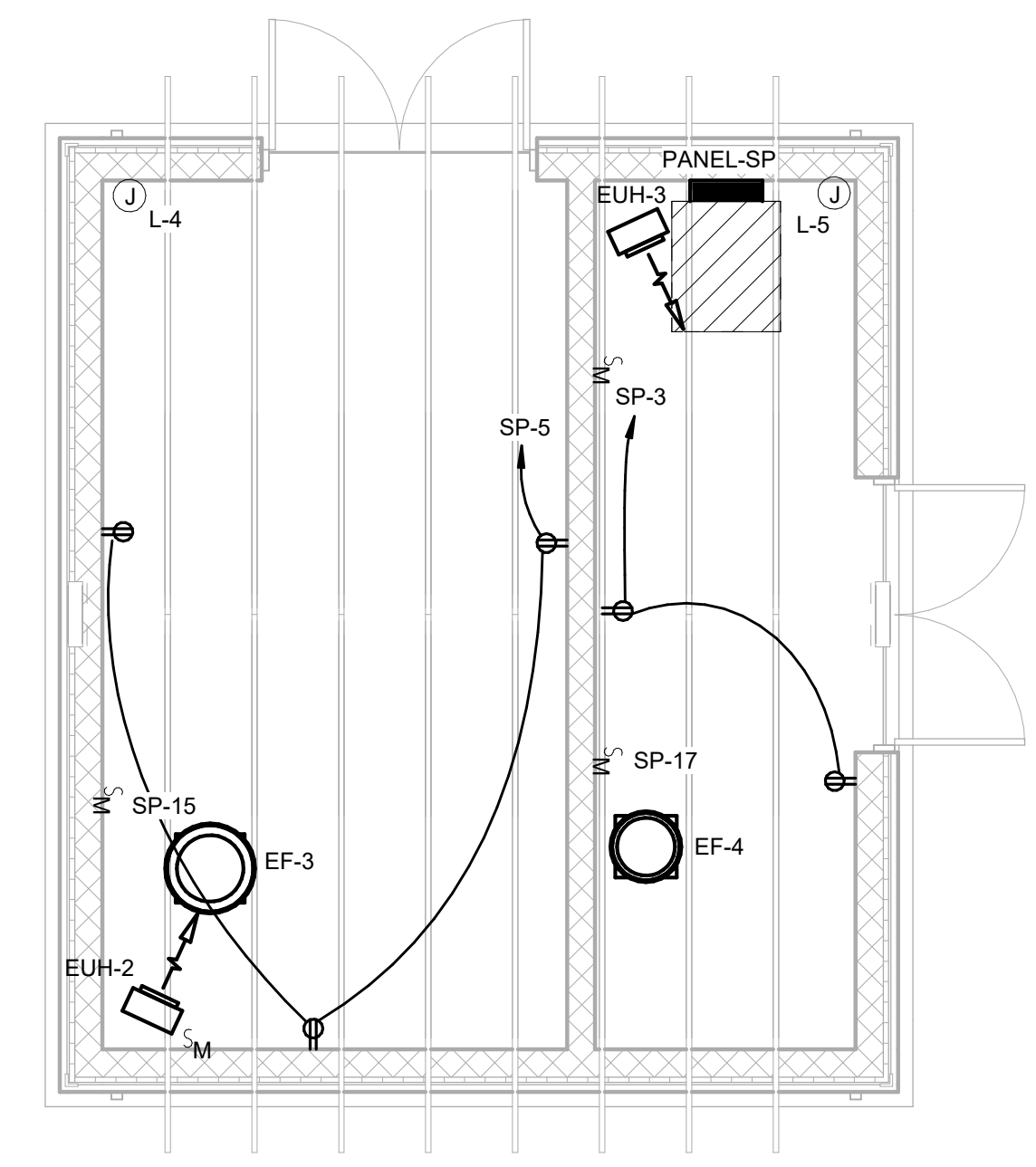
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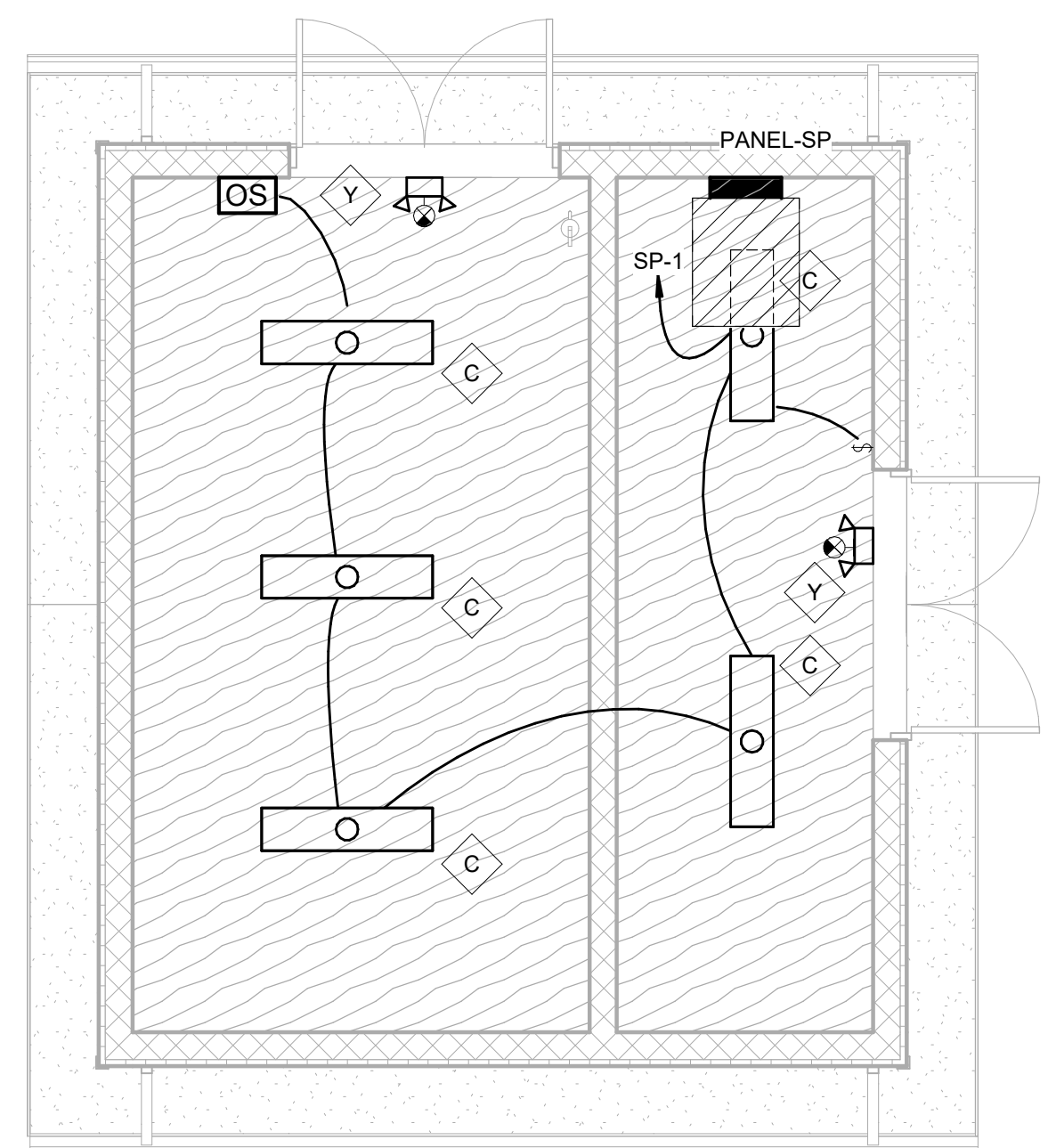
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Title/Date: 4/13/2023 10:58:43 AM



- ELECTRICAL UNREFERENCED NOTES**
- ALL SPLASH PAD EQUIPMENT BY OTHERS.
  - SEE MECHANICAL M1.02 FOR LOUVERS WITH MOTORIZED DAMPERS ELEVATION/MOUNTING HEIGHTS.
  - EXPOSED CONDUIT IN SPLASH PAD SHALL BE PVC COATED RGS TO PREVENT CORRISON.



**1 POWER PLAN**  
E1.03 SCALE: 1/4" = 1'-0"  
PLAN NORTH



**2 LIGHTING PLAN**  
E1.03 SCALE: 1/4" = 1'-0"  
PLAN NORTH

PANEL: SP				SERVICE: 208Y/120 VOLT, 3 PHASE, 4 WRE												
LOCATION: ELECTRICAL ROOM																
CKT. NO.	DIRECTORY	ACC.	POLE	CKT. BKR.	LOAD (KVA)	A	B	C	LOAD (KVA)	POLE	CKT. BKR.	ACC.	DIRECTORY	CKT. NO.		
1	SPLASH PAD LIGHTING			1	20	0.065	0.1				1	20		SPARE	2	
3	SPLASH PAD GENERAL REC.			1	20	0.54		0.5			1	20		SPARE	4	
5	SPLASH PAD GENERAL REC.			1	20	0.54			0.5		1	20		SPARE	6	
7	SPARE			1	20		0.0							SPACE	8	
9	SPARE			1	20			0.0						SPACE	10	
11	SPARE			1	20				0.0					SPACE	12	
13	L-4 / L-5			1	20	0.5		0.5						SPACE	14	
15	EF-3			1	20	0.696			0.7					SPACE	16	
17	EF-4			1	20	0.36			0.4					SPACE	18	
19						1.67	1.7							SPACE	20	
21	EUH-2			3	20	1.67		1.7						SPACE	22	
23						1.67			1.7					SPACE	24	
25						1	1.0							SPACE	26	
27	EUH-3			3	20	1		1.0						SPACE	28	
29						1			1.0					SPACE	30	
<b>BUS DATA</b>					A			B			C			TOTAL KVA		
AMPERE RATING - CONT: 225A					3.2			3.9			3.6			10.7		
SCCR: 10KA														4.4		
BUS: COPPER/NEUTRAL/GROUND														TOTAL KVA DEMAND		
TOP FEED														13.4		
MAIN BREAKER:					<b>ENCLOSURE</b>					FED FROM: T-RP2-2						
AF:					■ SURFACE					NOTES:						
AT: 225A					■ NEMA 1					1) CONTRACTOR TO CONFIRM SPLASH PAD LOADS PRIOR TO ORDERING PANEL.						

SPLASH PAD EQUIPMENT BUILDING POWER AND LIGHTING

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

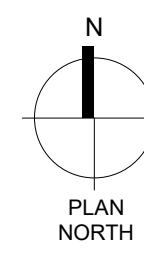
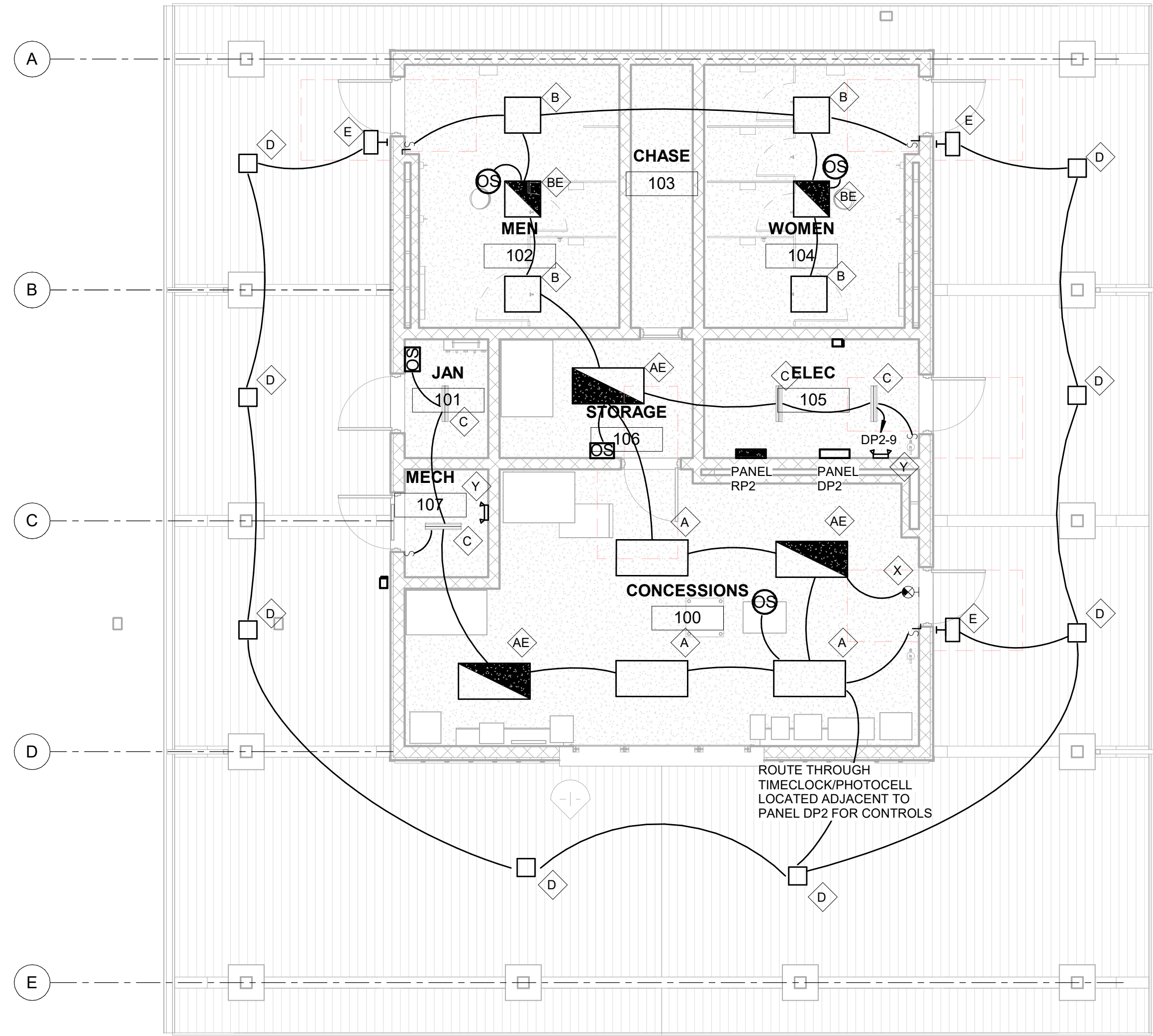
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**ELECTRICAL UNREFERENCED NOTES**

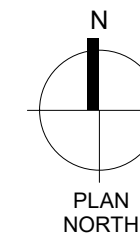
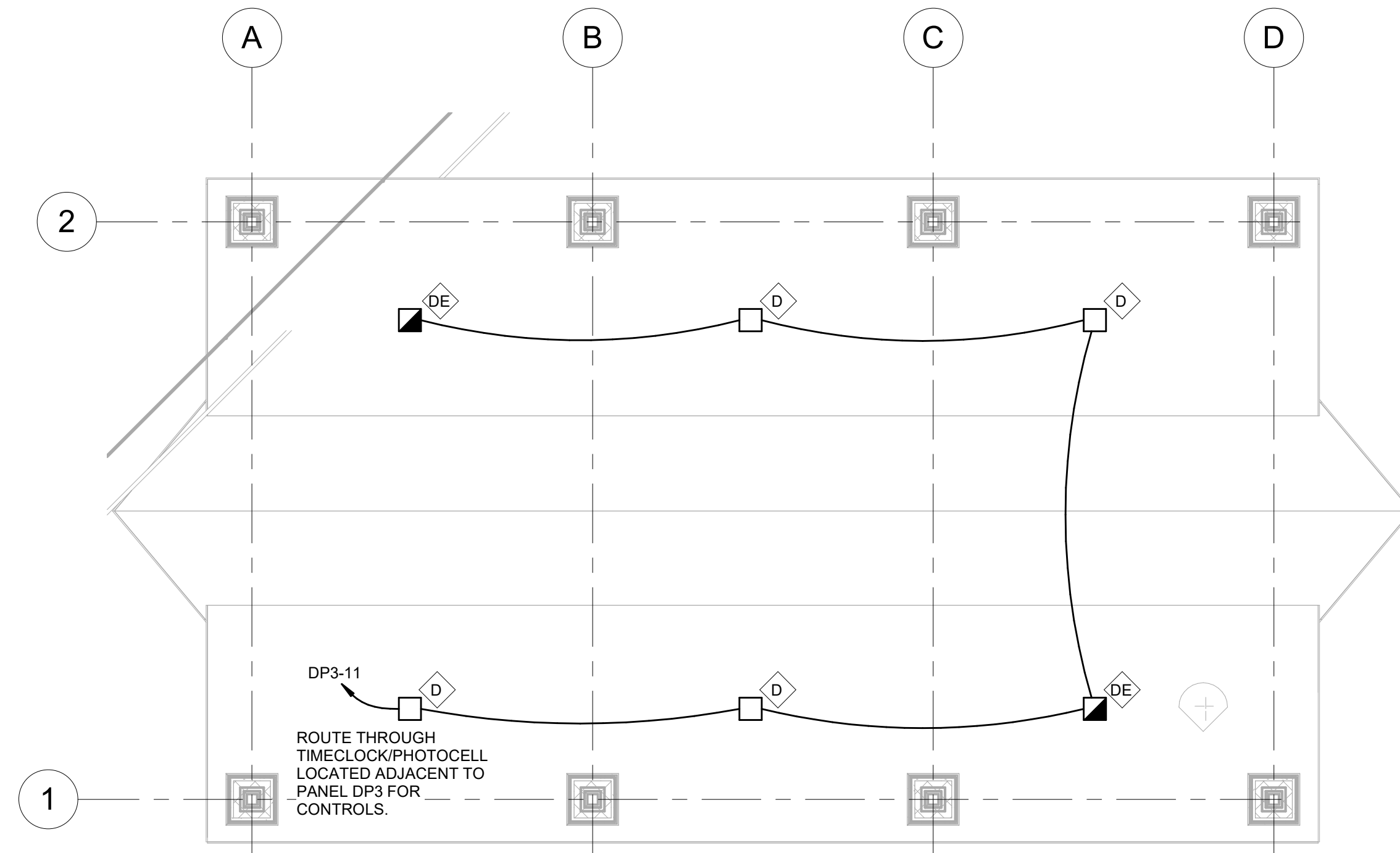
1. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED VIA TIMECLOCK/PHOTOCELL MOUNTED ADJACENT TO PANEL DP2.
2. CEILING MOUNTED OCCUPANCY SENSORS SHALL BE PROVIDED WITH LOW VOLTAGE OVERRIDE SWITCHES.



1  
E3.01

**CONCESSION BUILDING LIGHTING PLAN - PHASE II**

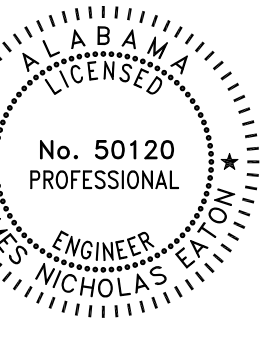
SCALE: 3/16" = 1'-0"



2  
E3.01

**PAVILION BUILDING LIGHTING PLAN - PHASE II**

SCALE: 3/16" = 1'-0"



CONCESSIONS/PAVILION LIGHTING PLANS

CITY OF GUNTERVILLE  
GUNTERVILLE PARK - PHASE 2

GUNTERVILLE, ALABAMA

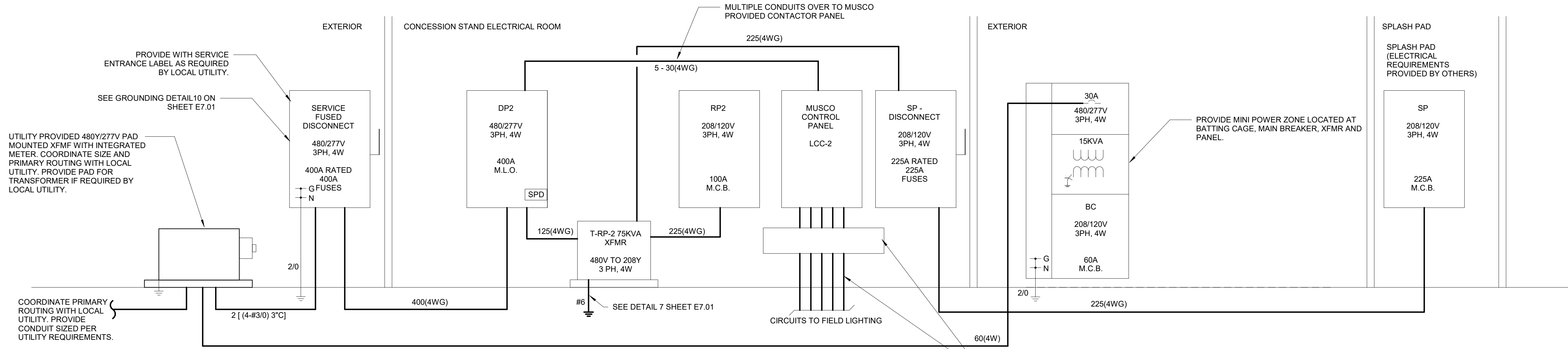
REVISION INFORMATION

REV	DR	CHK	DATE	DESCRIPTION
0	JNE	BWL	04/21/2023	ISSUED FOR BID

E3.01

FILE NO. 3710605





**1 ELECTRICAL - RISER DIAGRAM**  
E6.01 NTS

PANEL: DP2													SERVICE: 480Y/277 VOLT, 3 PHASE, 4 WIRE			
LOCATION: ELECTRICAL ROOM																
CKT NO.	DIRECTORY	ACC.	POLE	CKT. BKR.	LOAD (KVA)	A	B	C	LOAD (KVA)	POLE	CKT. BKR.	ACC.	DIRECTORY	CKT. NO.		
1	PARKING LOT LIGHTING		1	20	0.55	1.0			0.428					2		
3	SPARE		1	20			0.4		0.428	3	30		MUSCO LIGHTING CIRCUIT POLES A5, B5	4		
5								0.4	0.428					6		
7	SPARE		2	20					0.428					8		
9	INTERIOR CONC. LIGHTING		1	20	1.03		1.5		0.428	3	30		MUSCO LIGHTING CIRCUIT POLES A6, B6	10		
11	PAVILION BUILDING LIGHTS		1	20	0.384			0.8	0.428					12		
13	FLAG POLE LIGHTING		1	20	0.5	0.9			0.428					14		
15	SPARE		1	20			0.4		0.428	3	30		MUSCO LIGHTING CIRCUIT POLES A6, B7	16		
17	SPARE		1	20				0.4	0.428					18		
19	SPARE		1	20		0.4			0.428					20		
21	SPARE		1	20			0.4		0.428	3	30		MUSCO LIGHTING CIRCUIT POLES A7, B8	22		
23	SPARE		1	20				0.4	0.428					24		
25	SPARE		1	20		0.2			0.192					26		
27	SPARE		1	20			0.2		0.192	3	30		MUSCO LIGHTING CIRCUIT SECURITY FIXTURES	28		
29	SPARE		1	20				0.2	0.192					30		
31					1.1	1.1								32		
33	EUH-1		3	20	1.1		1.1			3	30		SPARE	34		
35					1.1			1.1						36		
37					11.2				11.185					38		
39	SPD		3	20		12.5			12.526	3	125		T-RP-2 75 TRANSFORMER	40		
41								11.5	11.464					42		
<b>BUS DATA</b>					A	B	C	<b>DEMAND KVA</b>								
					4.1	4.0	14.9	22.9				TOTAL KVA				
									28.7				TOTAL KVA DEMAND			
<b>AMPERE RATING - CONT: 400A</b>																
<b>SCCR: 65KA</b>																
<b>BUS: COPPER/NEUTRAL/GROUND</b>																
<b>TOP FEED</b>																
<input checked="" type="checkbox"/> MAIN LUGS ONLY																
<input type="checkbox"/> MAIN BREAKER																
AF: _____																
AT: _____																
<b>ENCLOSURE</b>																
<input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH																
<input checked="" type="checkbox"/> NEMA 1 <input type="checkbox"/> NEMA 3R																
<input type="checkbox"/> NEMA 12																
<b>MANUFACTURER:</b>																
<b>TYPE:</b>																
<b>NOTES:</b>																

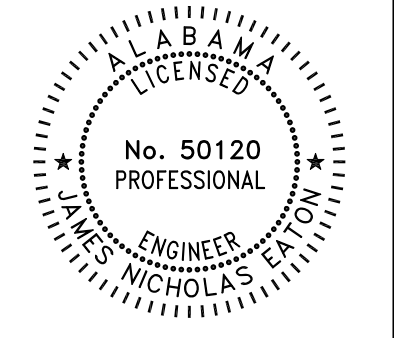
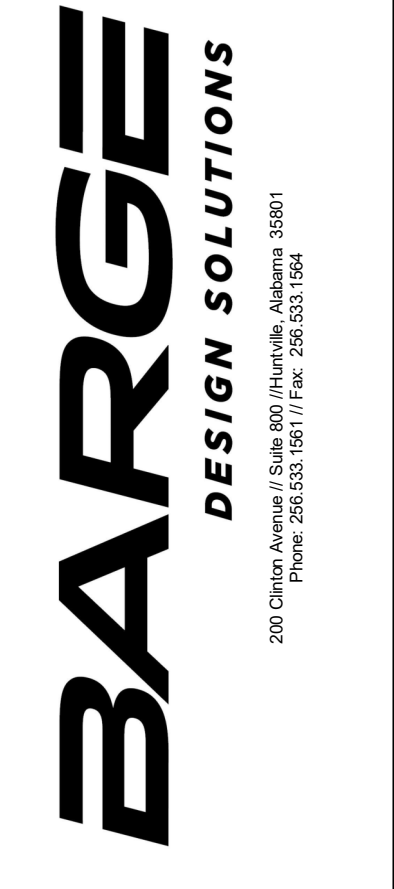
WIRING SCHEDULE				
COPPER				
AMPS	10, 3 WIRE, GROUND (4WG)	10, 3 WIRE, GROUND OR 30, 3 WIRE, GROUND (3WG)	30, 4 WIRE, GROUND (4WG)	AMPS
20	(2#12 & 1#12 G) 3/4"	(3#12 & 1#12 G) 3/4"	(4#12 & 1#12 G) 3/4"	20
30	(2#10 & 1#10 G) 3/4"	(3#10 & 1#10 G) 3/4"	(4#10 & 1#10 G) 3/4"	30
40	(2#8 & 1#10 G) 3/4"	(3#8 & 1#10 G) 3/4"	(4#8 & 1#10 G) 1"	40
50	(2#6 & 1#10 G) 3/4"	(3#6 & 1#10 G) 1"	(4#6 & 1#10 G) 1"	50
60	(2#4 & 1#10 G) 1"	(3#4 & 1#10 G) 1"	(4#4 & 1#10 G) 1 1/4"	60
70	(2#4 & 1#8 G) 1"	(3#4 & 1#8 G) 1 1/4"	(4#4 & 1#8 G) 1 1/4"	70
80	(2#2 & 1#8 G) 1"	(3#2 & 1#8 G) 1 1/4"	(4#2 & 1#8 G) 1 1/2"	80
90	(2#2 & 1#8 G) 1"	(3#2 & 1#8 G) 1 1/4"	(4#2 & 1#8 G) 1 1/2"	90
100	(2#1 & 1#8 G) 1 1/4"	(3#1 & 1#8 G) 1 1/2"	(4#1 & 1#8 G) 1 1/2"	100
110	(2#1 & 1#8 G) 1 1/4"	(3#1 & 1#8 G) 1 1/2"	(4#1 & 1#8 G) 1 1/2"	110
125	(2#1 & 1#8 G) 1 1/4"	(3#1 & 1#8 G) 1 1/2"	(4#1 & 1#8 G) 1 1/2"	125
150	(2#1/0 & 1#8 G) 1 1/4"	(3#1/0 & 1#8 G) 1 1/2"	(4#1/0 & 1#8 G) 2"	150
175	(2#2/0 & 1#8 G) 1 1/2"	(3#2/0 & 1#8 G) 2"	(4#2/0 & 1#8 G) 2"	175
200	(2#3/0 & 1#8 G) 1 1/2"	(3#3/0 & 1#8 G) 2"	(4#3/0 & 1#8 G) 2"	200
225	(2#4/0 & 1#4 G) 2"	(3#4/0 & 1#4 G) 2"	(4#4/0 & 1#4 G) 2 1/2"	225
250	(2-250 KCMIL & 1#4 G) 2"	(3-250 KCMIL & 1#4 G) 2 1/2"	(4-250 KCMIL & 1#4 G) 3"	250
300	(2-350 KCMIL & 1#4 G) 2"	(3-350 KCMIL & 1#4 G) 3"	(4-350 KCMIL & 1#4 G) 3"	300
380	(2-500 KCMIL & 1#3 G) 2 1/2"	(3-500 KCMIL & 1#3 G) 3"	(4-500 KCMIL & 1#3 G) 3 1/2"	380
400	2[(2#3/0 & 1#3 G) 1 1/2"]	2[(3#3/0 & 1#3 G) 2"]	2[(4#3/0 & 1#3 G) 2 1/2"]	400
450	2[(2#4/0 & 1#2 G) 2"]	2[(3#4/0 & 1#2 G) 2"]	2[(4#4/0 & 1#2 G) 2 1/2"]	450

CONDUCTOR SIZES ARE BASED ON 60° TERMINATIONS LESS THAN 100A AND 75° TERMINATIONS GREATER THAN 100A PER NEC 110.14  
ADJUSTMENT FACTORS ARE BASED ON 90° TEMPERATURE RATINGS PER NEC 110.14  
CONDUIT SIZES ARE BASED ON NEC CH 9 TABLE 4 (RNC SCHED 90) FOR WORST CASE AND TABLE 5 (THIN INSULATION)

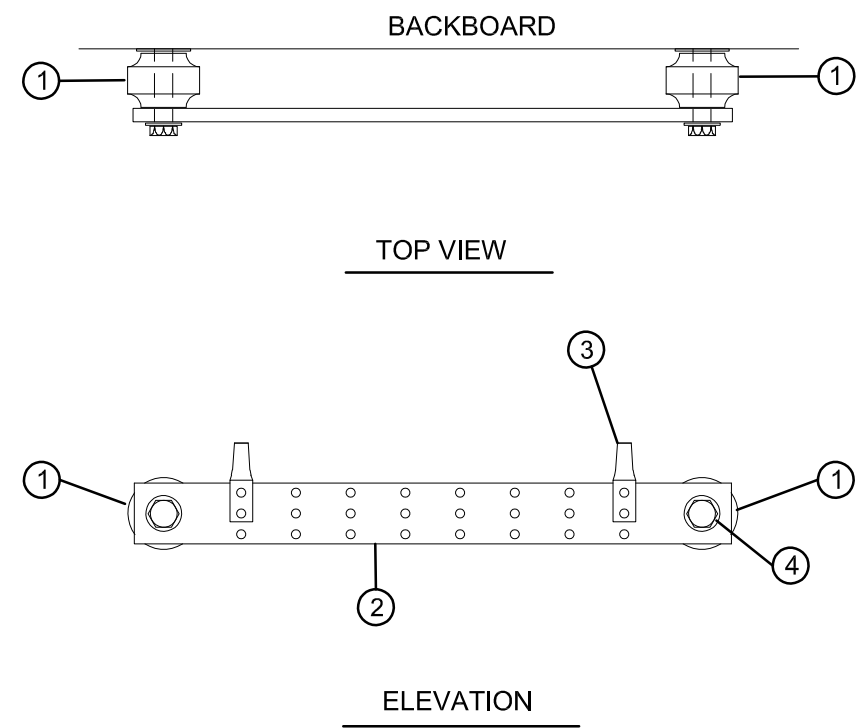
ELECTRICAL ONE-LINE DIAGRAMS  
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DATE	DESCRIPTION
0	BWL	04/21/2023	ISSUED FOR BID

**E6.01**  
FILE NO. 3710605

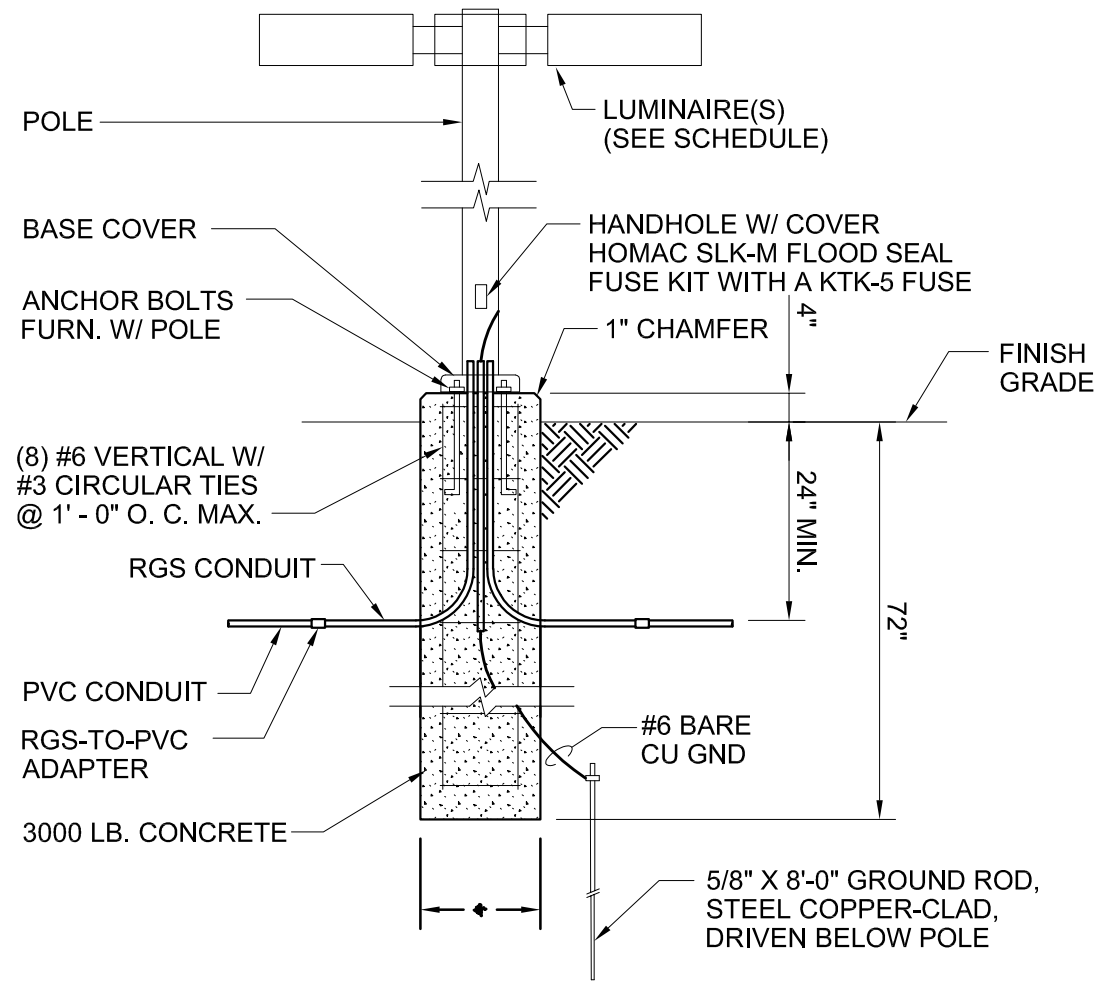


Drawing: E6.01 ELECTRICAL ONE-LINE DIAGRAMS  
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Date: 04/21/2023 10:59:34 AM

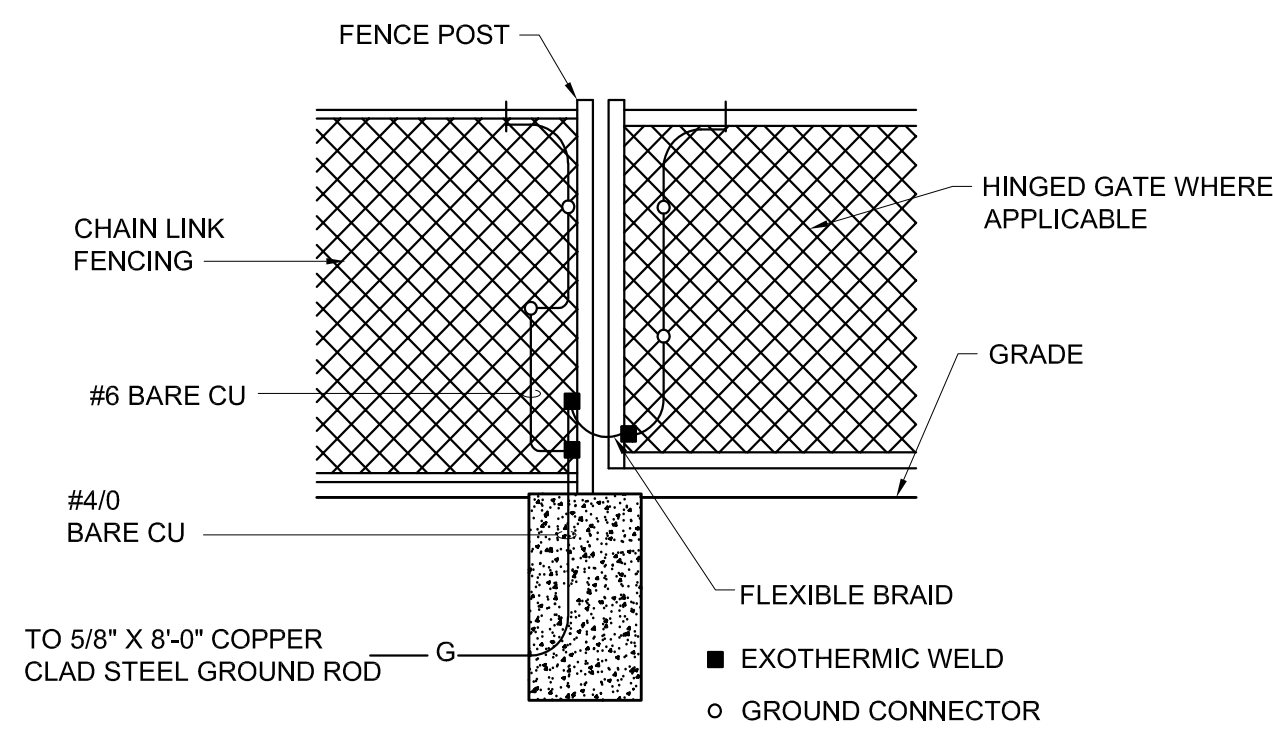


- ① 5" PORTER RED-POLY INSULATORS, NEMA CLASS "B".
- ② 4" x 3/8" x 20" COPPER BUS, DRILLED AS SHOWN.
- ③ COPPER COMPRESSION FITTING W/ (2) LUG CONNECTION, - TYP.
- ④ 3/8" x 1" BRASS BOLT, LOCK WASHER AND NUT (TYPIC FOR 2).

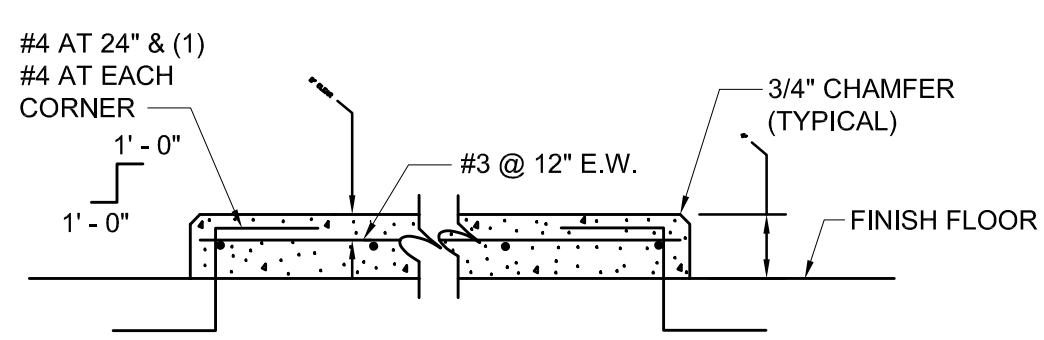
1  
E7.01  
DETAIL - GROUND BAR  
N.T.S.



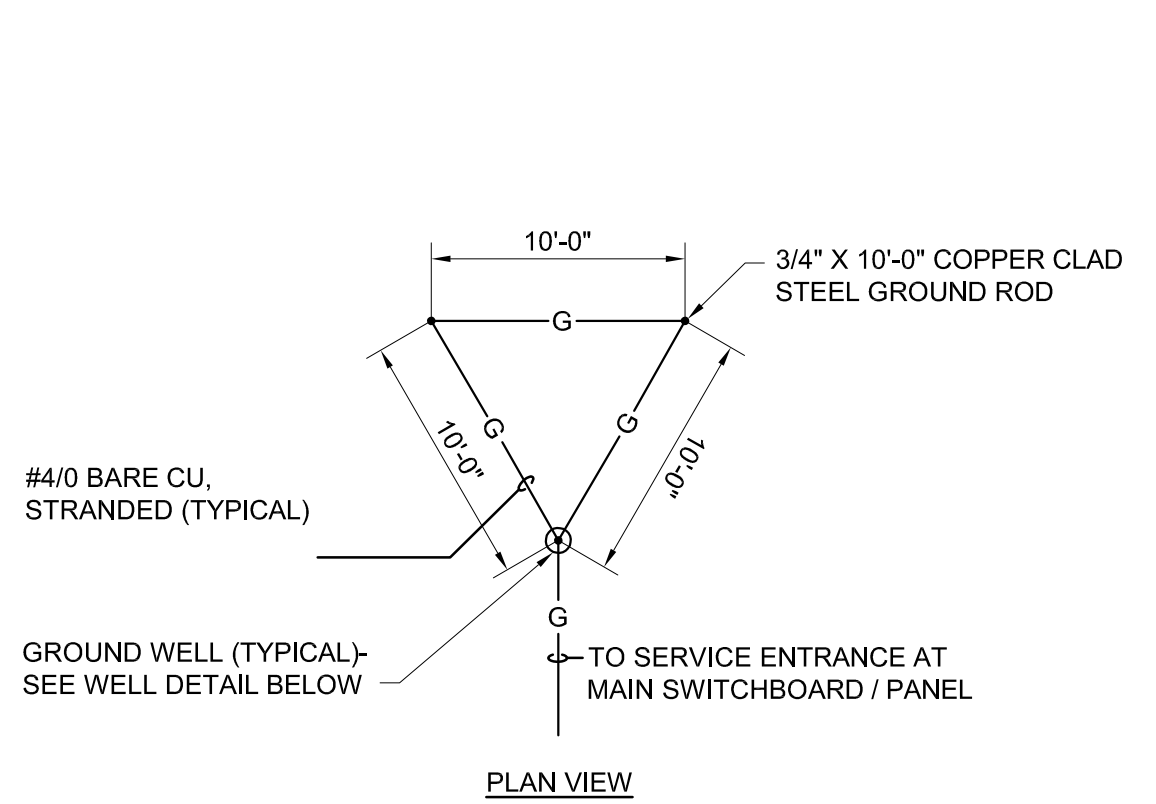
2  
E7.01  
DETAIL - AREA LIGHTING POLE BASE  
N.T.S.



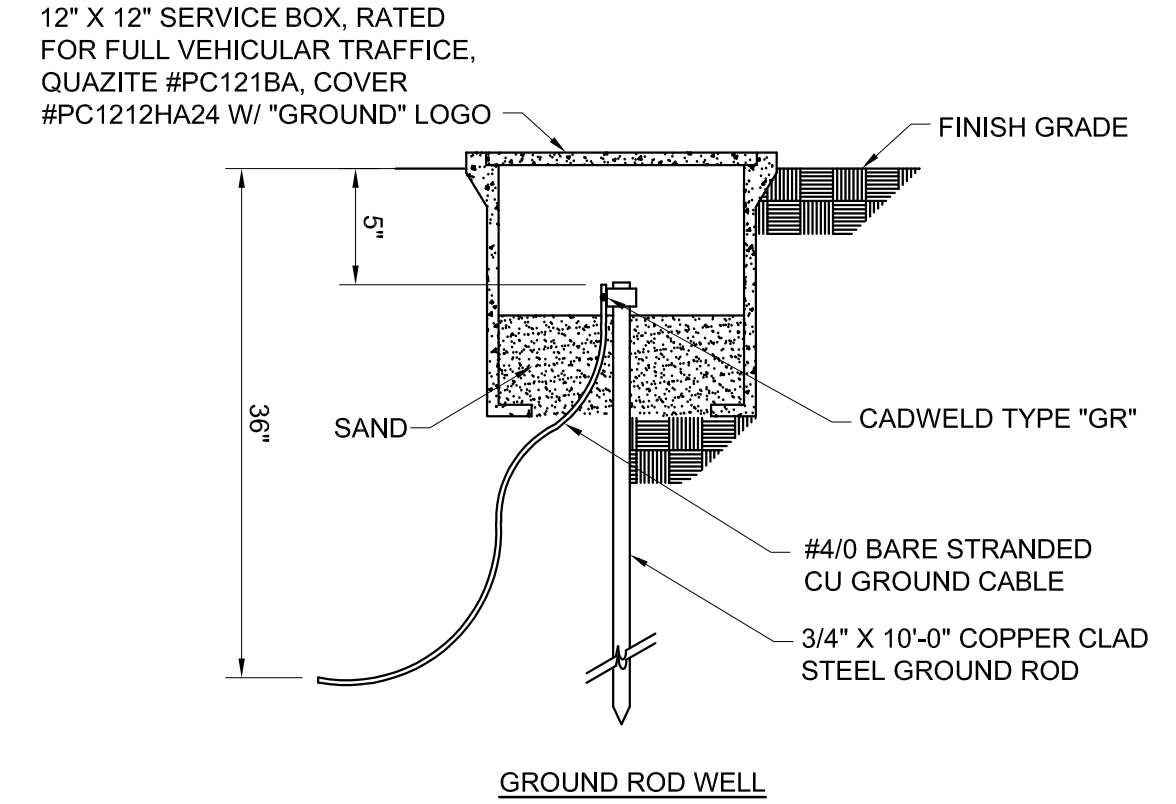
3  
E7.01  
DETAIL - GROUNDING FENCE AND GATE POST  
N.T.S.



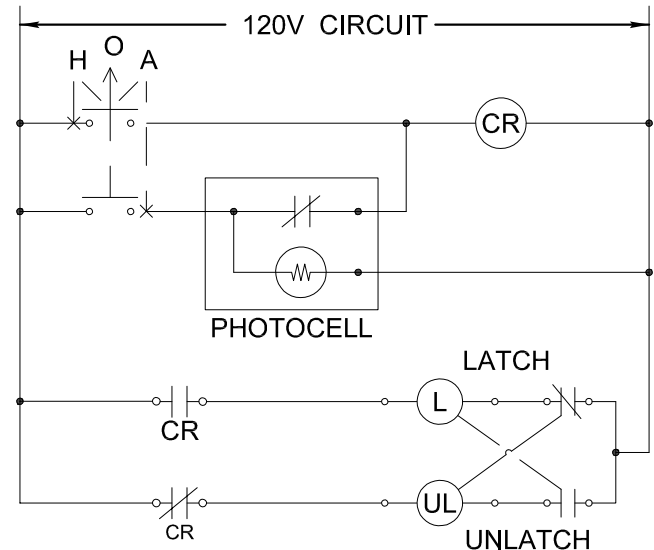
4  
E7.01  
DETAIL - TYPICAL HOUSEKEEPING PAD  
N.T.S.



5  
E7.01  
DETAIL - GROUND BAR  
N.T.S.

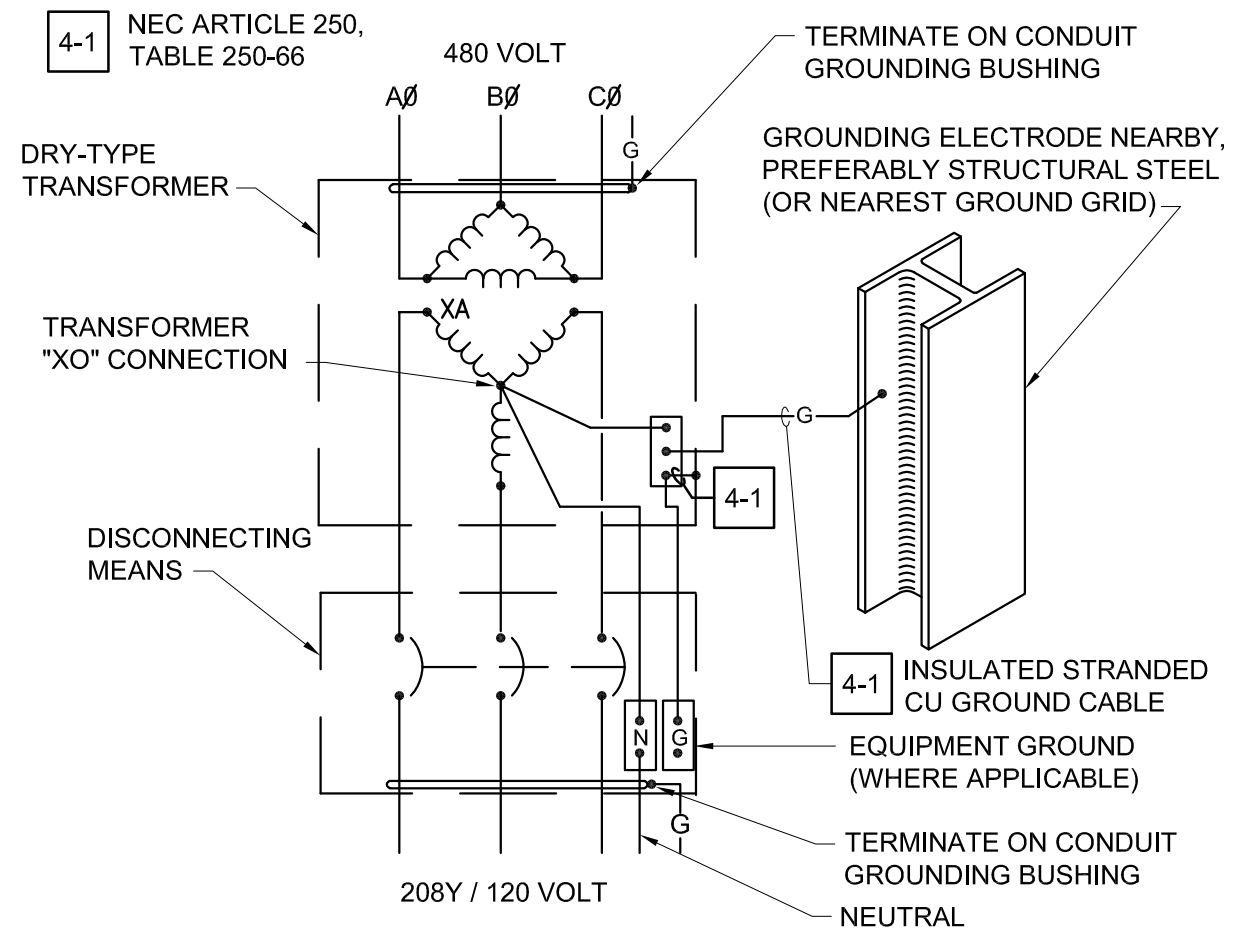


GROUND ROD WELL

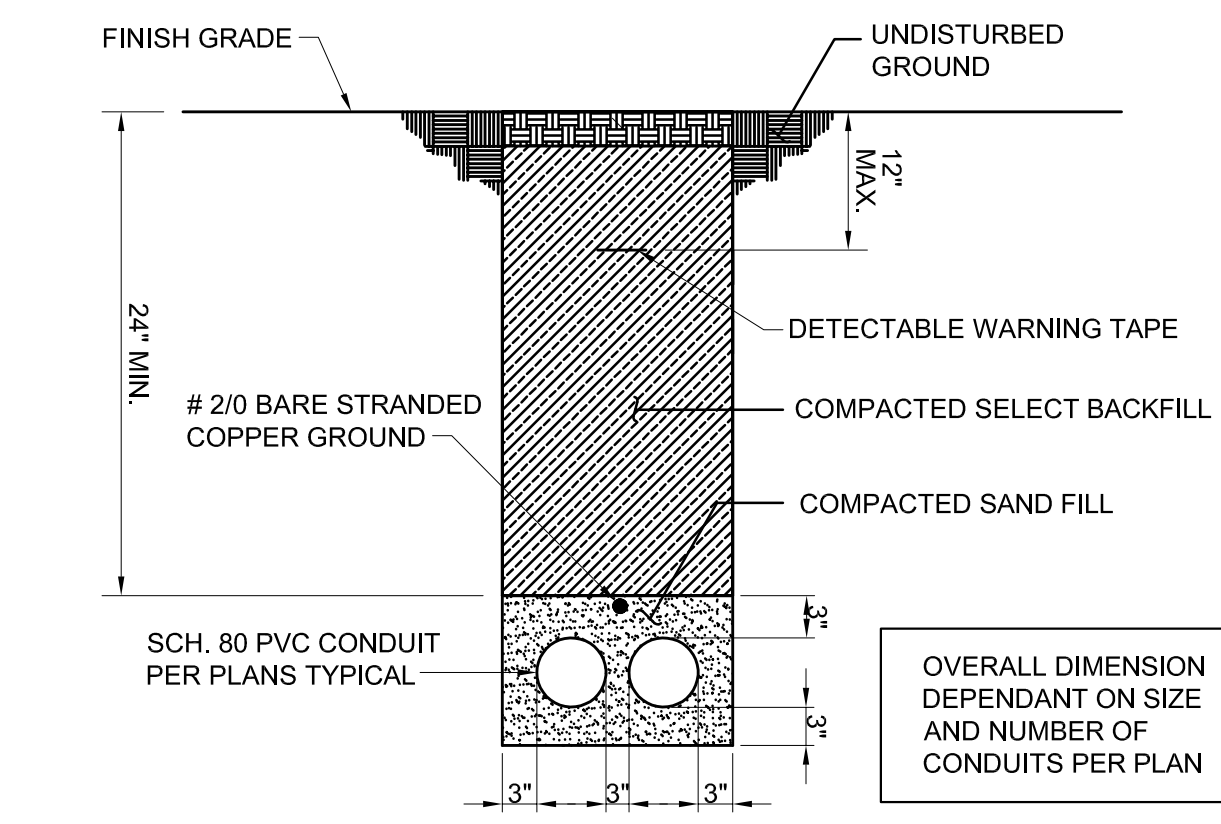


- CKT. DP2 - 11 } PAV./EXTERIOR
- CKT. DP2 - 1 } PARKING LOT

6  
E7.01  
DETAIL - LIGHTING CONTACTOR CONTROL  
N.T.S.

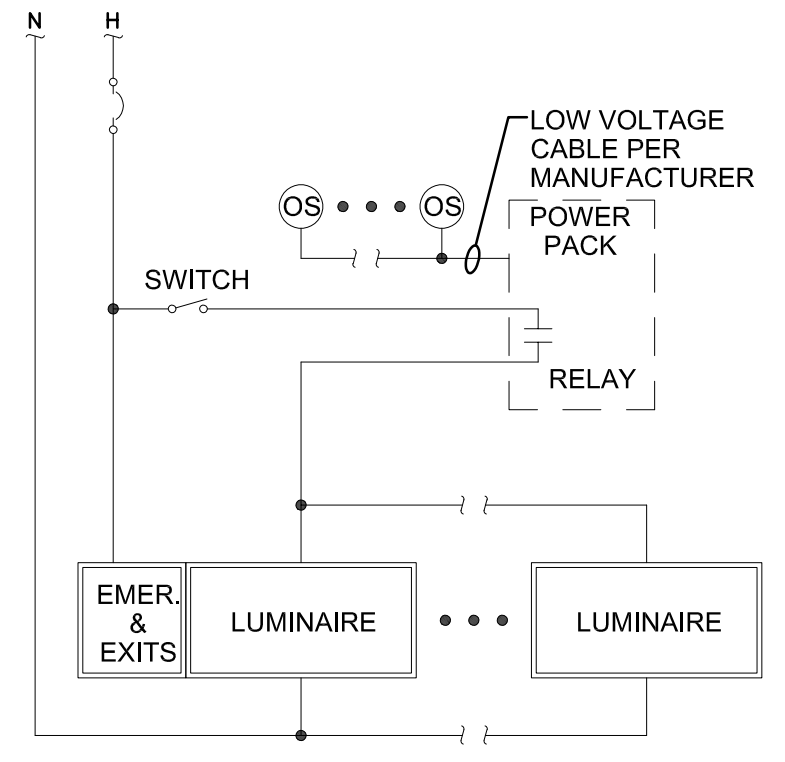


7  
E7.01  
DETAIL - LOW VOLTAGE TRANSFORMER GROUNDING  
N.T.S.

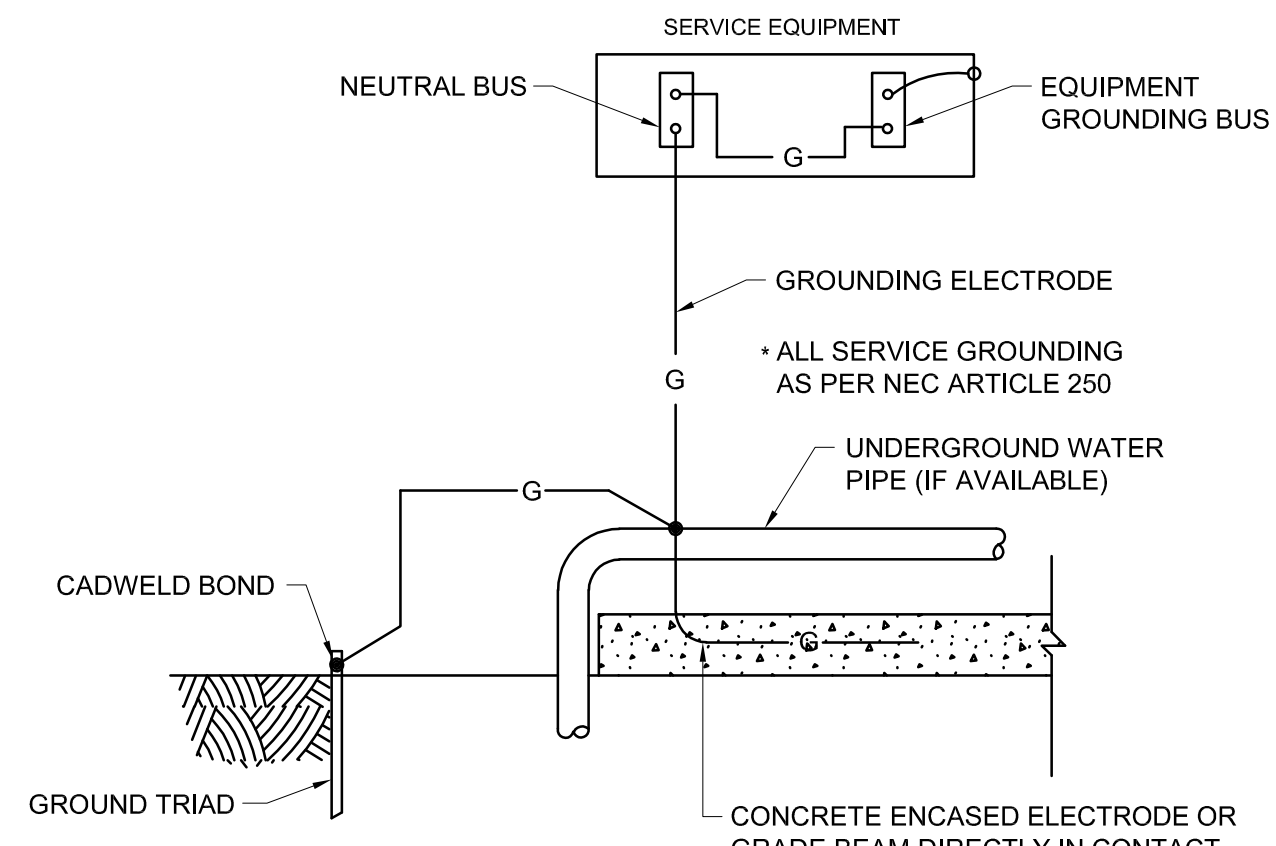


NOTE: COMPACTION SHALL BE >95%

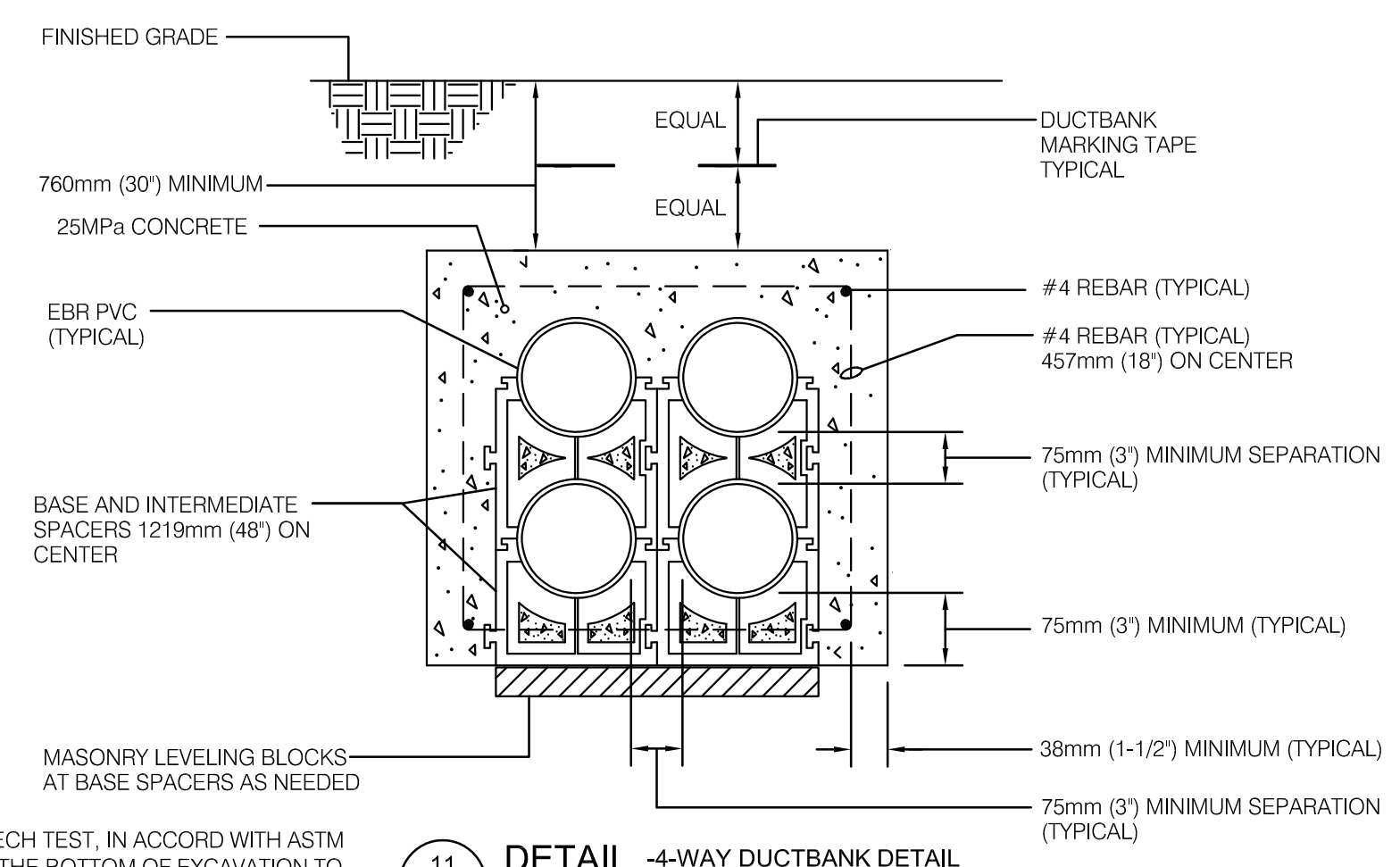
8  
E7.01  
DETAIL - UNDERGROUND DUCT / CONDUIT ROUTING  
N.T.S.



9  
E7.01  
DETAIL - OCCUPANY SENSOR CONTROL  
N.T.S.



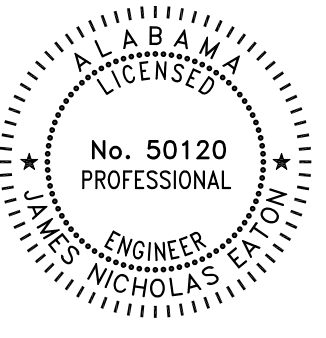
10  
E7.01  
DETAIL - SERVICE ENTRANCE GROUNDING  
N.T.S.



NOTES:  
1. GEOTECH TEST, IN ACCORD WITH ASTM D698. THE BOTTOM OF EXCAVATION TO ACHIEVE 85% TO 95% OF MAXIMUM DRY DENSITY, PRIOR TO CONCRETE PLACEMENT.

11  
E7.01  
DETAIL - 4-WAY DUCTBANK DETAIL  
N.T.S.

REV.	DATE	DESCRIPTION
0	JUNE 04/21/2023	ISSUED FOR BID



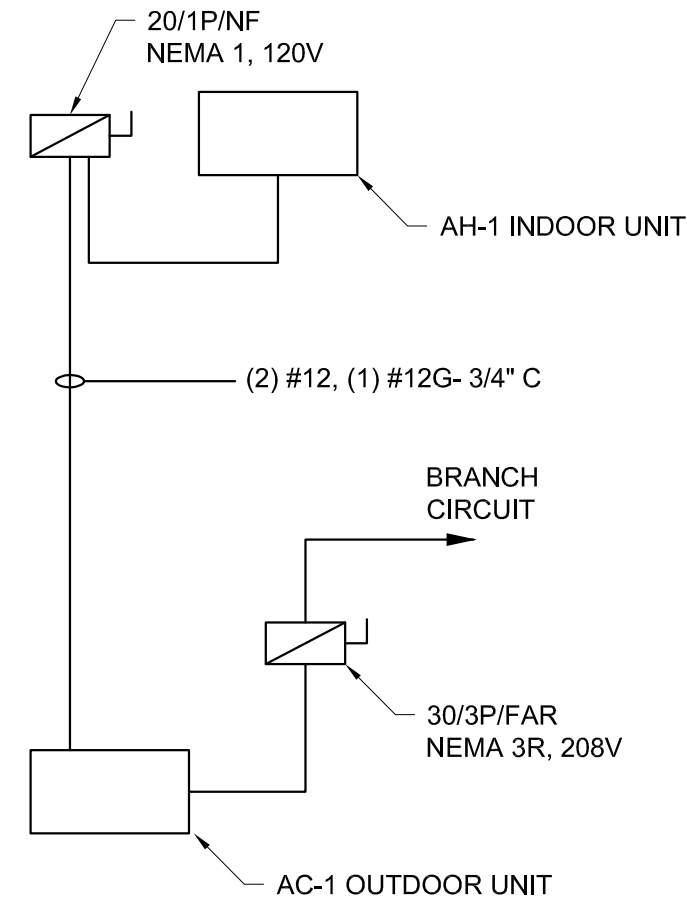
ELECTRICAL DETAILS

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

REVISION INFORMATION	
NO.	DESCRIPTION
0	ISSUED FOR BID

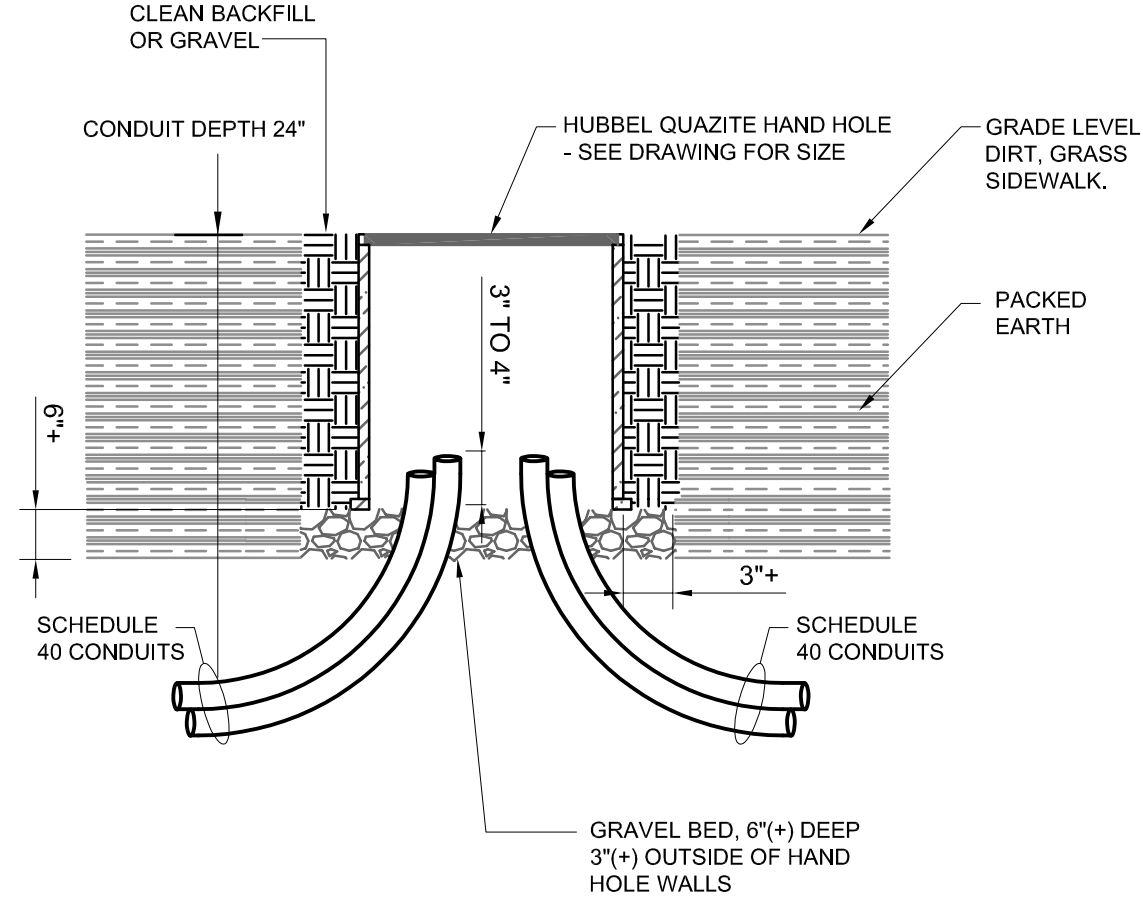
**E7.02**

FILE NO. 3710605



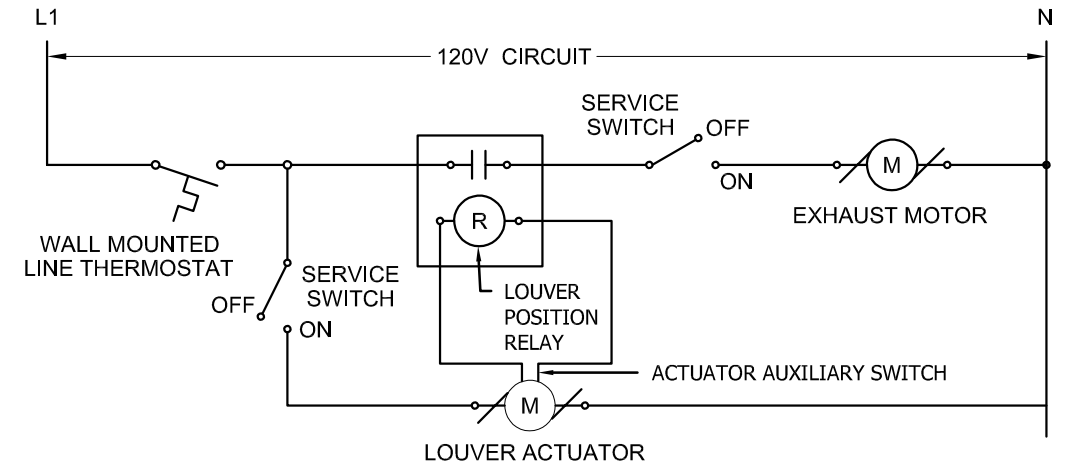
- NOTES:
- ROUTE POWER AND CONTROL FEEDS TO FOLLOW MECHANICAL PIPING.
  - EQUIPMENT POWER REQUIREMENTS TO BE VERIFIED PRIOR TO ROUGH-IN. ADJUST FEEDER AS NECESSARY.

**1** DETAIL - AC-1 / AH-1 CONNECTION  
E7.02 N.T.S.

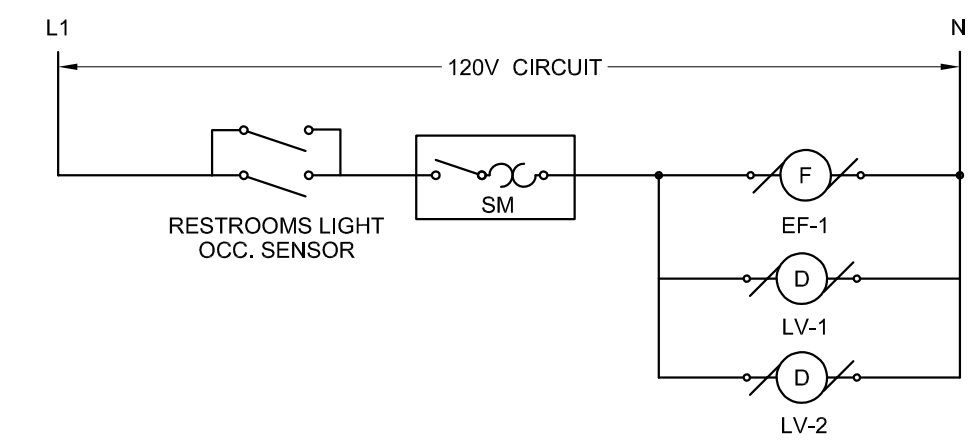


- GENERAL NOTES:
- HAND HOLE COVERS SHALL BE HEAVY DUTY E/W (2) BOLTS TIER 22 RATED. PART NO. \*36 X 60 HH WILL REQUIRE (1) PIECE LIDS.
  - HAND HOLE OPEN BOTTOM SHALL BE HEAVY DUTY, STACKABLE & TIER 22 RATED. PART NO.
  - HAND HOLE SUBMITTALS MUST BE APPROVED BY OWNER.
  - DETAIL NOTES APPLICABLE TO ANY SIZE CONDUIT OR HAND HOLE BEING INSTALLED.
  - NO SIDE ENTRY OF CONDUITS IS ALLOWED.
  - CONDUITS TO EXTEND 3" TO 4" MAXIMUM OUT OF GRAVEL BED.
  - IF PVC INSTALLATION IS REQUIRED, 90-DEGREE 36" RADIUS ELBOWS ARE REQUIRED TO TURN UP INTO HAND HOLE.
  - THERE SHALL BE A MINIMUM OF 6" OF GRAVEL BETWEEN HAND HOLE BOTTOM EDGE AND THE CONDUITS EXTENDING OUT 3" FROM ALL SIDES.
  - INSTALL BUSHING ENDS ON PVC CONDUIT ENDS.
  - CLOSE ATTENTION SHOULD BE GIVEN TO TRENCH DEPTH IN USING LONG MECHANICAL RADIUS BENDS TO ASSURE THAT NO PORTION OF THE RADIUS BEND HAS TO BE CUT ABOVE THE GRAVEL BED THAT WOULD PREVENT THE BUSHING END ATTACHMENTS.
  - THE TRENCH SHALL BE AT THE REQUIRED DEPTH TO MAINTAIN 6" OR MORE BELOW THE EDGE OF HAND HOLE FROM THE CONDUIT.
  - SCHEDULE 40 PVD 90-DEGREE 36" RADIUS ELBOWS SHALL BE USED. ANY OTHER BENDS SHALL NOT BE USED UNLESS APPROVED BY AUI.
  - DE-BURR AND MAKE SMOOTH THE CONDUIT ENDS ENTERING THE HAND HOLES.
  - COMPRESSION TYPE PLUGS SHALL BE USED ON ALL CONDUIT ENDS.
  - ALL CONDUITS SHALL BE SUPPLIED WITH MULE TAPE OR PULL STRING, IN ACCORDANCE TO THE TYPE OF CONDUIT INSTALLED. \*HDPE CONDUIT SHOULD HAVE MULE TAPE SUPPLIED WHEN ORDERED. ALL OTHER CONDUITS SHALL HAVE PULL STRING INSTALLED.
  - HAND HOLE SIZE DEPENDS ON QUANTITY AND SIZE OF CONDUITS.

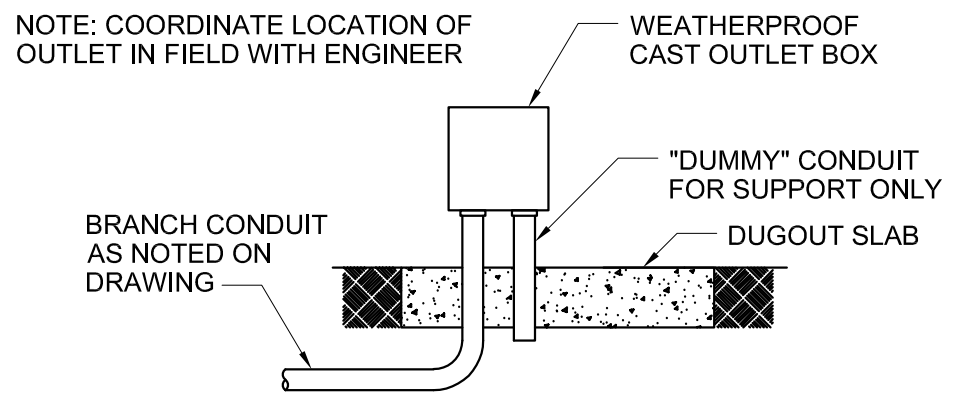
**2** DETAIL - STANDARD HAND HOLE DETAIL  
E7.02 N.T.S.



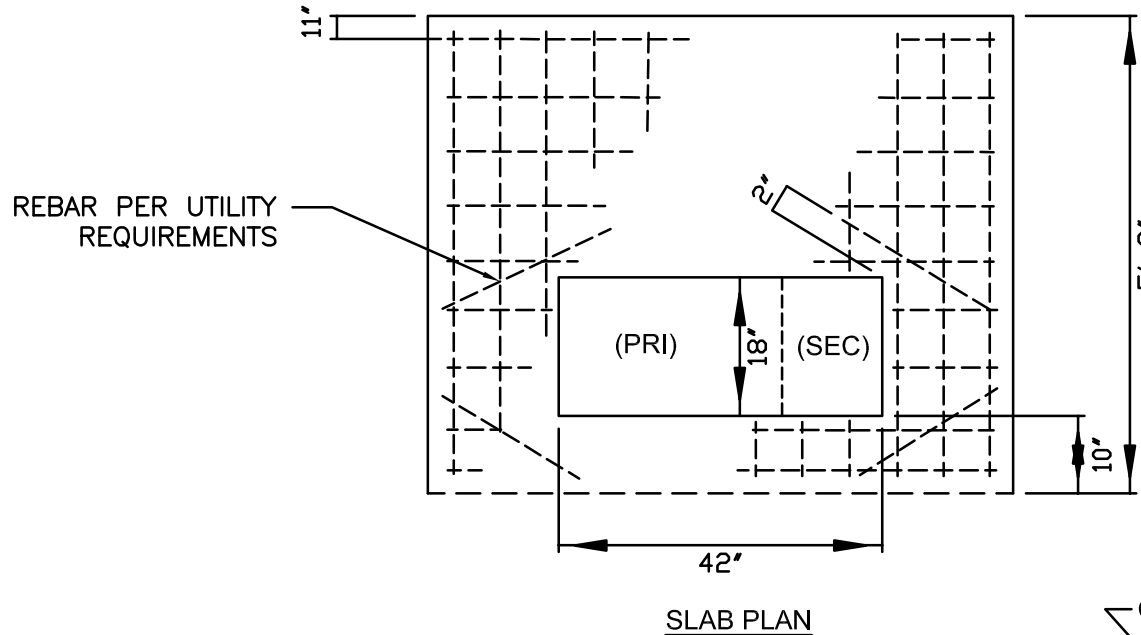
**3** DETAIL - EXHAUST FAN / LOUVER  
E7.02 N.T.S.



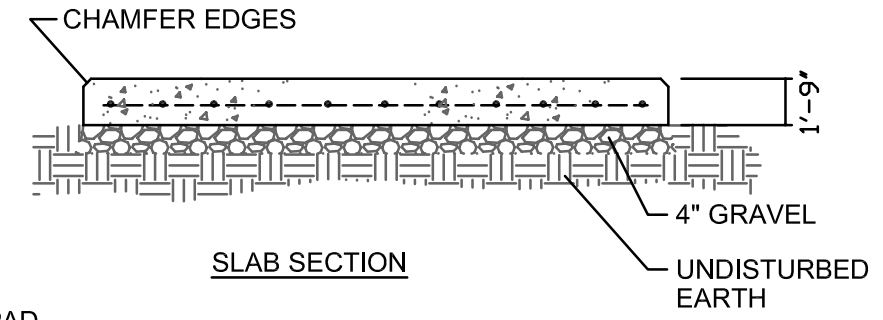
**4** DETAIL - EXHAUST FAN "EF-1" / LOUVER "LV-1 AND LV-2"  
E7.02 N.T.S.



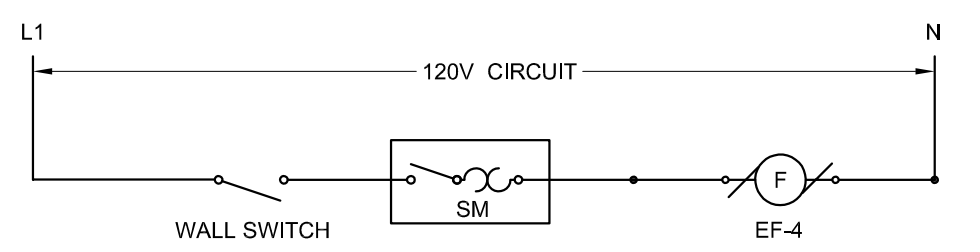
**5** DETAIL - OUTLET AT SCORER'S TABLE  
E7.02 N.T.S.



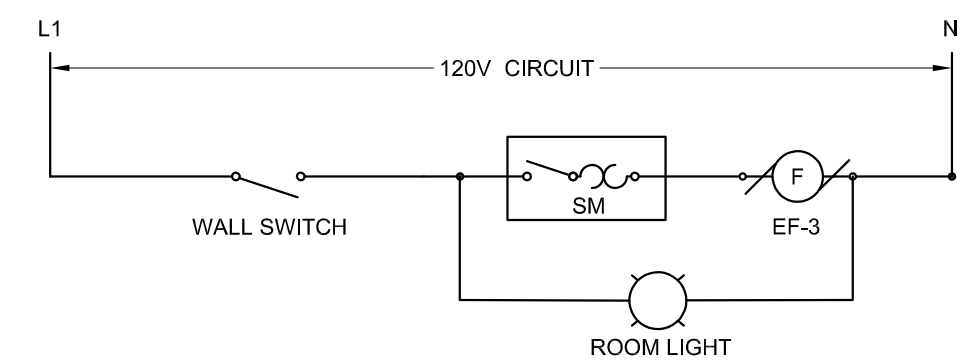
- NOTES:
- CONTRACTOR TO VERIFY EXACT DIMENSIONS, CONDUIT ARRANGEMENTS, AND LOCATION OF PAD WITH LOCAL UTILITY.



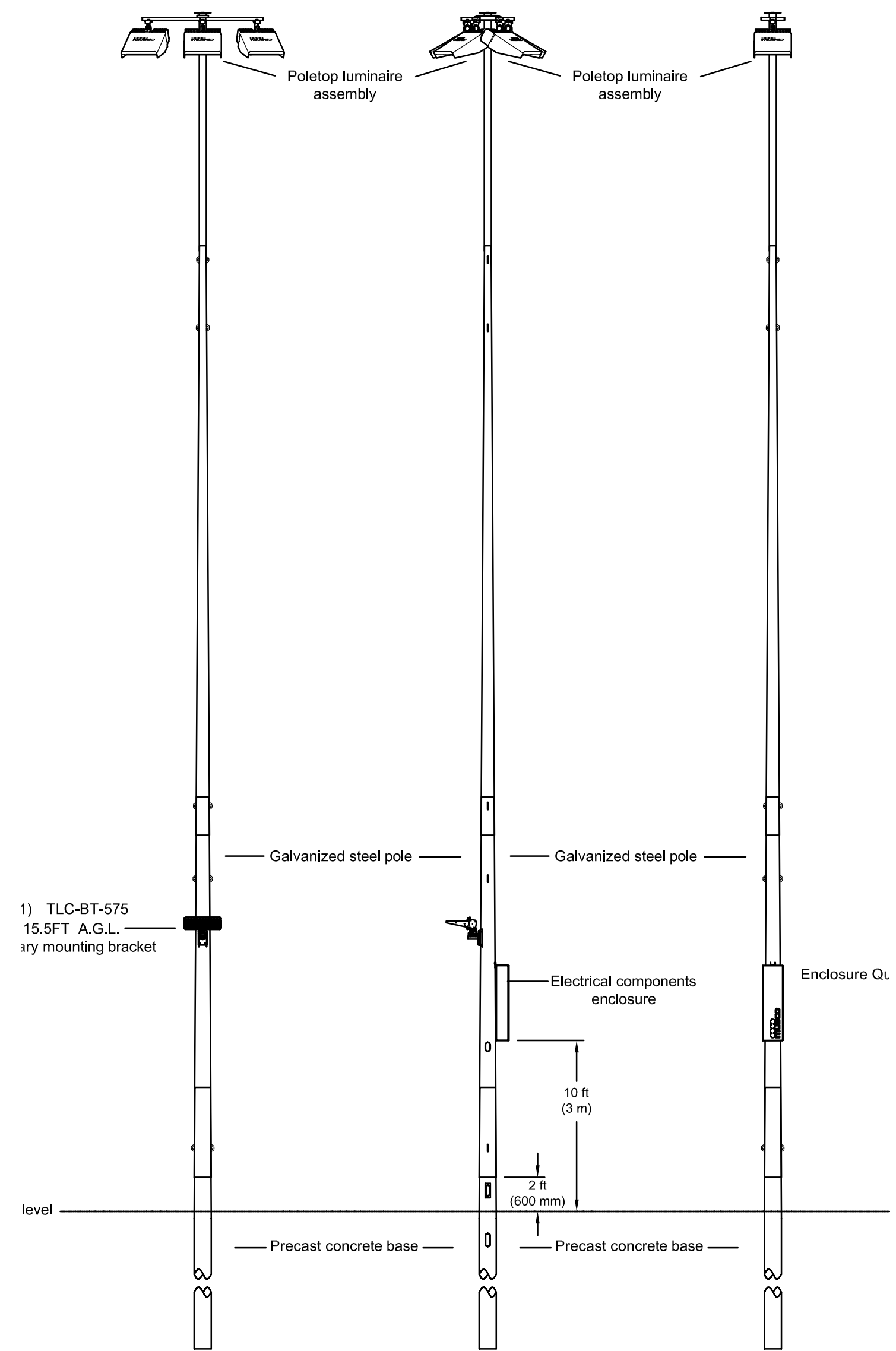
**6** DETAIL - UTILITY TRANSFORMER PAD  
E7.02 N.T.S.



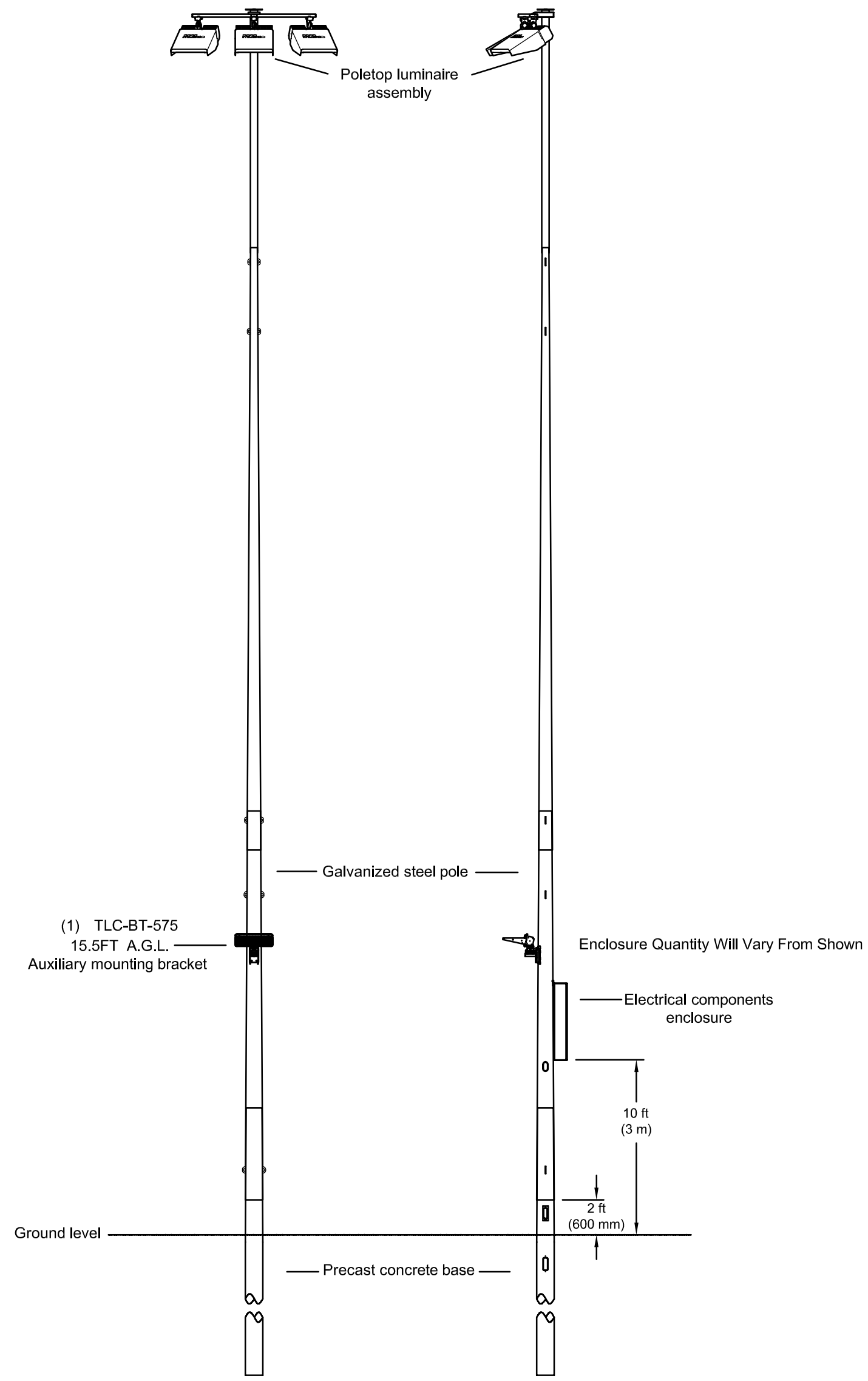
**7** DETAIL - EXHAUST FAN "EF-4" CONTROL  
E7.02 N.T.S.



**8** DETAIL - EXHAUST FAN "EF-3" CONTROL  
E7.02 N.T.S.



**POLE(S): B7,B8**  
 Musco 70FT Light-Structure System™ pole  
 TLC for LED™ luminaires  
 (1) TLC-LED-1500



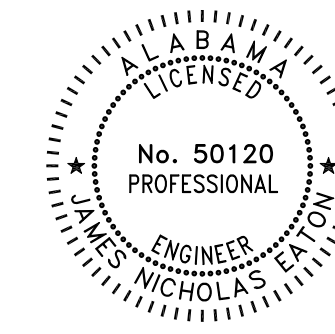
**POLE(S): B5,B6**  
 Musco 70FT Light-Structure System™ pole  
 TLC for LED™ luminaires  
 (1) TLC-LED-1500

REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

**E7.03**  
 FILE NO. 3710605

**ELECTRICAL DETAILS**

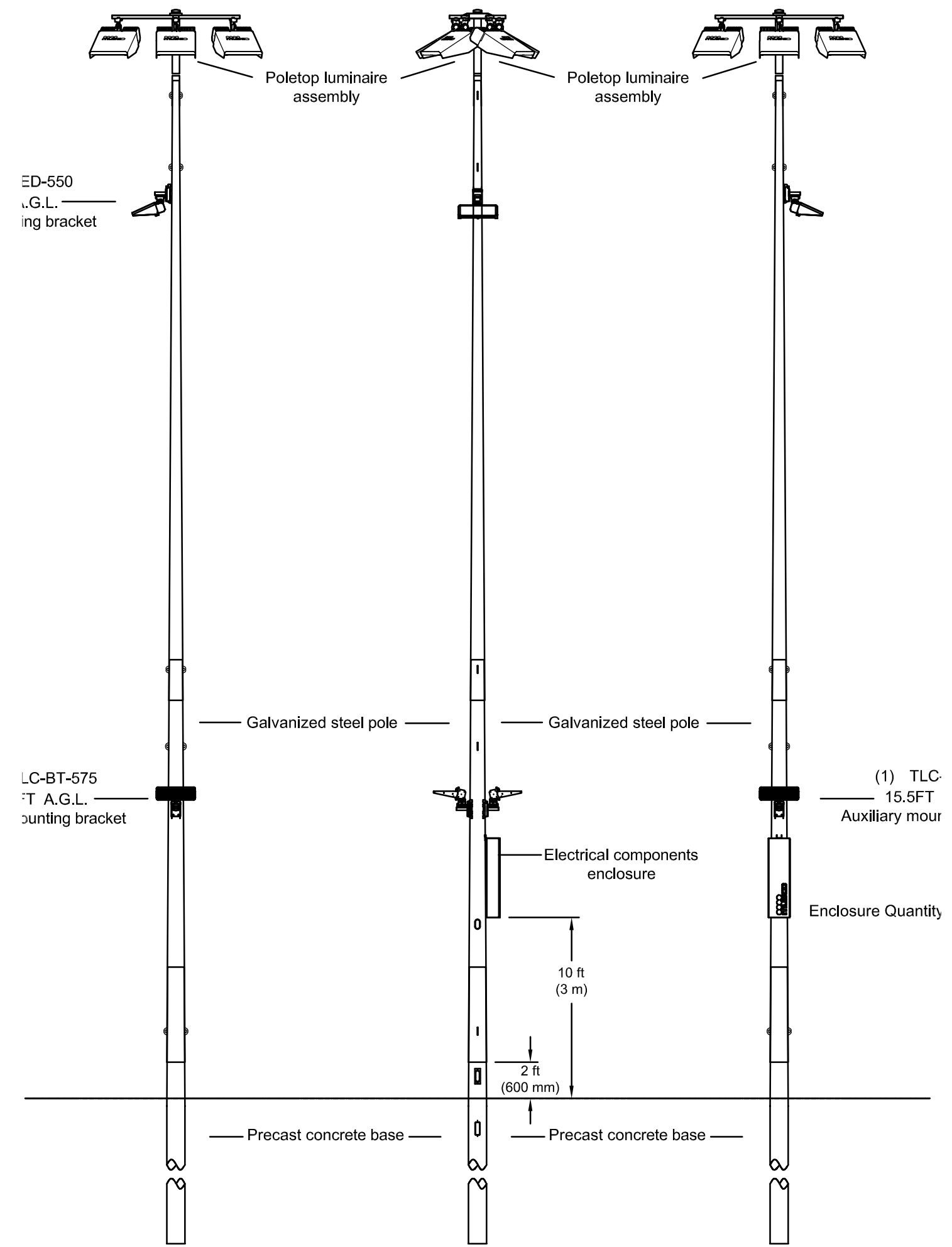
**CITY OF GUNTSVILLE**  
**GUNTSVILLE PARK - PHASE 2**  
 GUNTSVILLE, ALABAMA



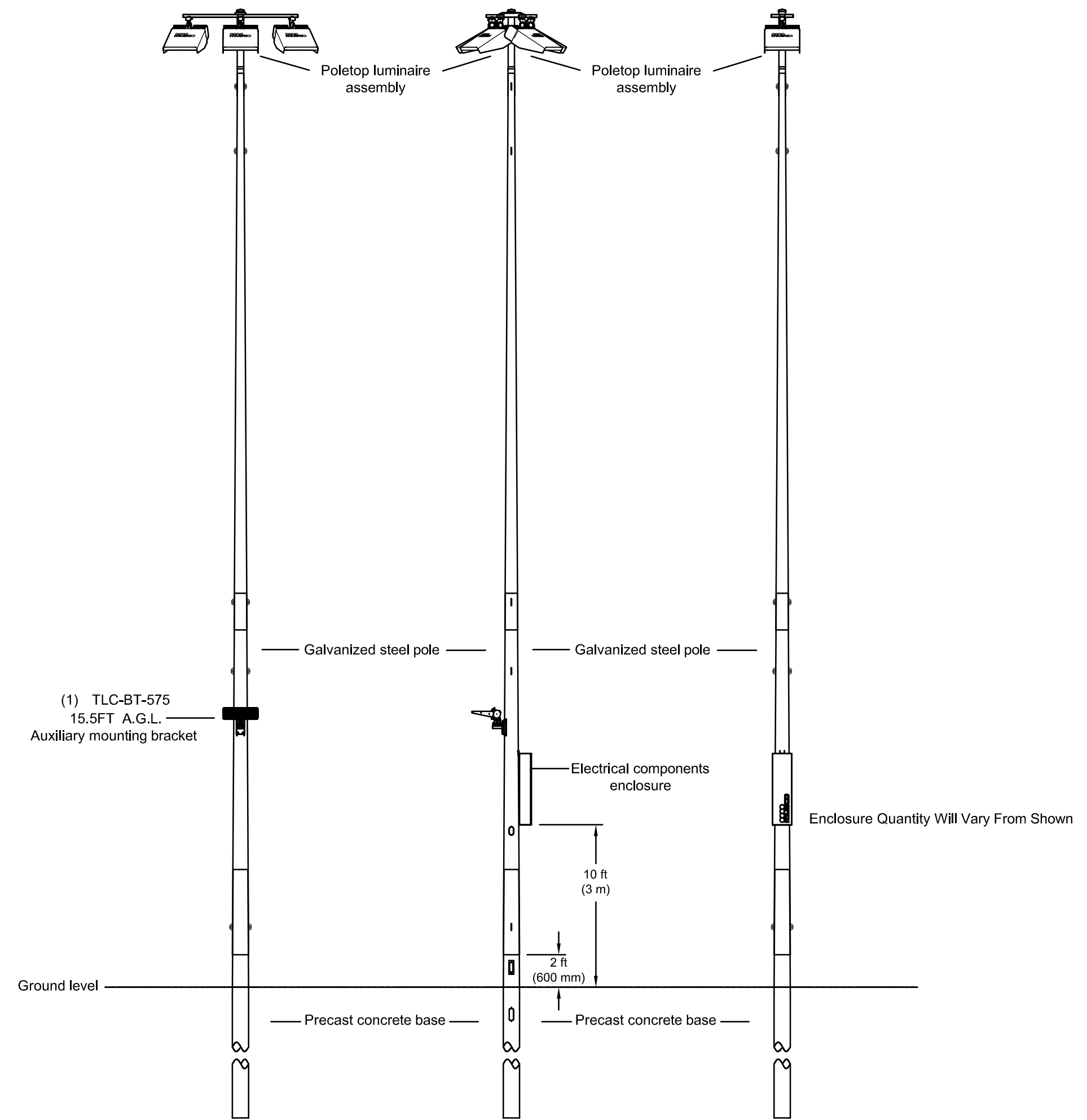
**BARGE**  
**DESIGN SOLUTIONS**

200 Clinton Avenue / Suite 800 / Huntsville, Alabama 35891  
 PHONE (256) 933-8181 / FAX (256) 932-1994

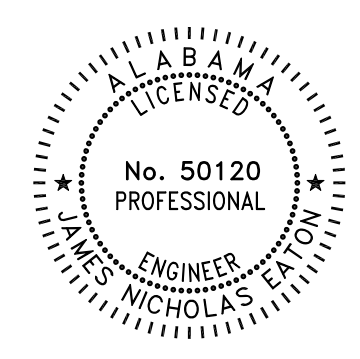
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 PLOTTED:4/13/2023



**POLE(S): A6**  
 Musco 60FT Light-Structure System™ pole  
 TLC for LED™ luminaires  
 (7) TLC-LED-550  
 (2) TLC-BT-575



**POLE(S): A5,A7**  
 Musco 60FT Light-Structure System™ pole  
 TLC for LED™ luminaires  
 (4) TLC-LED-550  
 (1) TLC-BT-575



**ELECTRICAL DETAILS**

**CITY OF GUNTSVILLE  
 GUNTSVILLE PARK - PHASE 2**  
 GUNTSVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION
0	JNE	BWL	04/21/2023	ISSUED FOR BID

## LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	MODEL NUMBER	MOUNTING	LAMPS	VOLTAGE	Wattage	REMARKS (DESCRIPTION/ACCESSORIES)
A	LITHONIA	2BLTX4	SURFACE	4800 LUMEN (3500K) LED	277V	36 W	2' x 4' LED SURFACE MOUNTED FIXTURE
B	LITHONIA	2BLTX2	SURFACE	4000 LUMEN (3500K) LED	277V	36 W	2' X 2' LED SURFACE MOUNTED FIXTURE
BE	LITHONIA	2BLTX2	SURFACE	4000 LUMEN (3500K) LED	277V	36 W	2' X 2' LED SURFACE MOUNTED FIXTURE W/ SELF DIAGNOSTIC BATTERY BACKUP
C	LITHONIA	ZL1D	SURFACE	5000 LUMEN (3500K) LED	277V	13 W	48" SURFACE MOUNTED FIXTURE
D	LITHONIA	OLCFM	SURFACE	5000 LUMEN (3500K) LED	277V	64 W	1' X 1' LED CEILING SURFACE MOUNTED LUMINAIRE.
DE	LITHONIA	OLCFM	SURFACE	5000 LUMEN (3500K) LED	277V	64 W	2' X 4' LED SURFACE MOUNTED LUMINAIRE W/ SELF DIAGNOSTIC BATTERY BACKUP
E	LITHONIA	AFN-DB-EXT	WALL ABOVE DOOR	LED - 4000K / 70 CRI	277V	11 W	LED EMERGENCY EGRESS LIGHT WITH BATTERY PACK
X	LITHONIA	LHQM-LED-R-HO	WALL	RED LETTERING AND WHITE LED	UNV		EXIT SIGN w/ EMERGENCY LIGHTS SUITABLE FOR ADDITIONAL REMOTE HEAD PROVIDE WITH BATTERY PACK

## TRANSFORMER SCHEDULE

TAG NO.	RATING KVA	VOLTAGE		PHASE	MOUNTING	REMARKS
		PRIMARY	SECONDARY			
75KVA XFMR T-RP-2	75 kVA	480 V - 3P,3W	208Y/120V - 3P, 4W	3	FLOOR	115 °C TEMP. RISE

## EQUIPMENT CONNECTION SCHEDULE

MARK	DESCRIPTION	LOCATION	VOLT/PHASE	HP/WATTS	FLA	MCA	MOCF	DISCONNECT/FUSE SIZE	FEEDER	CIRCUIT	NOTES
AC-1	OUTDOOR UNIT	EXTERIOR	208/3	-	14.4	18.0	30.0	30A 3P FUSED DISCONNECT	3 - #10, 1 - #10G IN 3/4"C	RP2-38,40,42	
AH-1	INDOOR UNIT	MECH. 107	120/1	-	5	6.5	15	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-34	
	FURNACE LOCATED ABOVE INDOOR UNIT	MECH. 107	120/1	-	8.6	10.8	15	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-36	
L-1	LOUVER	MENS RESTROOM	120/1	-	-	-	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-19	1,3
L-2	LOUVER	WOMENS RESTROOM	120/1	-	-	-	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-19	1,3
L-3	LOUVER	ELECTRICAL ROOM	120/1	-	-	-	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-19	2,3
L-4	LOUVER	SPLASH PAD BUILDING	120/1	-	-	-	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	SP-13	
L-5	LOUVER	SPLASH PAD BUILDING	120/1	-	-	-	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	SP-13	
EF-1	EXHAUST FAN	CEILING	120/1	1/6 HP				20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-21	1
EF-2	EXHAUST FAN	ELEC. ROOM CEILING	120/1	1/12 HP				20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-21	2
EF-3	EXHAUST FAN	SPLASH PAD BUILDING	120/1	1/4 HP	5.8	7.25	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	SP-15	
EF-4	EXHAUST FAN	SPLASH PAD BUILDING	120/1	1/15 HP	3	3.8	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	SP-17	
GWH-1	GAS WATER HEATER	JAN. 101	120/1	-	-	-	15	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-19	
HWRP-1	RECIRC. PUMP	JAN. 101	120/1	1/35 HP	-	-	15	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-18	
EUH-1	ELECTRIC HEATER	ELEC. 105	480/3	3.3 KW	3.97	4.96	15	30A 3P FUSED DISCONNECT	3 - #12, 1 - #12G IN 3/4"C	DP2-31,33,35	
EUH-2	ELECTRIC HEATER	SPLASH PAD BUILDING	208/3	5.0 KW	13.9	17.3	20	30A 3P FUSED DISCONNECT	3 - #12, 1 - #12G IN 3/4"C	SP-19,21,23	
EUH-3	ELECTRIC HEATER	SPLASH PAD BUILDING	208/3	3.0 KW	8.3	10.4	20	30A 3P FUSED DISCONNECT	3 - #12, 1 - #12G IN 3/4"C	SP-25,27,29	
GUH-1	GAS UNIT HEATER	MEN 102	120/1	1/20 HP	-	-	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-18	
GUH-2	GAS UNIT HEATER	WOMEN 104	120/1	1/20 HP	-	-	20	20A 1P MOTOR RATED SWITCH	2 - #12, 1 - #12G IN 3/4"C	RP2-18	

**GENERAL NOTES:**  
 A. SEE MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATIONS.  
 B. PROVIDE PHASE PROTECTION FOR ALL THREE PHASE MOTORS ABOVE 7-1/2 HP.  
 C. PROVIDE ALL EXTERIOR DISCONNECTS WITH NEMA 3R RATING.  
 D. COORDINATE ALL DISCONNECTS WITH MECHANICAL CONTRACTOR.

**SPECIFIC NOTES:**  
 1) EXHAUST FAN TO BE INTERLOCKED WITH LOUVERS AS WELL AS OCC. SENSOR IN RESTROOM. FAN TO TURN ON AND ACUATE LOUVER TO OPEN WHEN ACTIVATED.  
 2) EXHAUST FAN TO BE INTERLOCKED WITH LOUVERS AS WELL AS ROOM THERMOSTAT SWITCH IN ELECTRICAL ROOM. FAN TO TURN ON AND ACUATE LOUVER TO OPEN WHEN ACTIVATED.  
 3) CIRCUIT TO CONTROLS XFMR, PROVIDE CONTROL WIRING OVER TO LOUVER FROM LOW VOLTAGE XFMR. LOCATE IN CEILING, COORDINATE EXACT XFMR AND WIRING TO PROVIDE WITH MECHANICAL CONTRACTOR.

## SITE LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMPS			INPUT WATTS	VOLT	MANUFACTURER	CATALOG NUMBER	SPECIFIC NOTES
			QTY	TYPE	LUMENS					
P1	SITE LIGHTING	POLE	-	LED	15,000	110	277	LITHONIA	DSX2-LED-P1-50K-80CRI-T4M-MVOLT-SPA-EGSR-DBLXD	1
FL	IN-GROUND FLAG POLE LIGHTING	GROUND	-	LED	5128	46	MVOLT	HYDREL	M9710C-SS-LED-P3-30K-NSP-FLC-SLF-DNA	
L	WALKWAY LIGHTING	POLE	-	LED	4,735	33	MVOLT	LITHONIA	DSX0-LED-P1-40K-T2M-MVOLT-SPA-EGSR-DBLXD	

**GENERAL NOTES:**  
 A. THE LUMINAIRE SCHEDULE CAN NOT BE USED INDEPENDENTLY OF THE DRAWINGS AND SPECIFICATIONS TO OBTAIN LUMINAIRE COSTS. THE INDIVIDUAL ESTABLISHING LUMINAIRE COSTS SHALL NOT QUOTE PRICING WITHOUT FIRST SEEING APPLICABLE ELECTRICAL DRAWINGS AND ELECTRICAL DIVISION SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY DRAWINGS AND SPECIFICATIONS TO THE INDIVIDUAL QUOTING LUMINAIRE PRICING.  
 B. ALL FIXTURES SHALL BE APPROVED BY THE CITY OF GUNTERSVILLE PRIOR TO INSTALLATION. COORDINATE EXISTING FIXTURES AND FEEDERS WITH UTILITY/CITY.

**SPECIFIC NOTES:**  
 (1) PROVIDE WITH SQUARE STEEL MATCHING POLE WITH BASE. SEE SHEET E7.01 FOR POLE BASE DETAILS. MOUNTING HEIGHT SHALL BE 20' TO TOP OF POLE INCLUDING BASE.  
 (2)  
 (3)  
 (4)

## LIGHTING AND RECEPTACLE BRANCH CIRCUIT CONDUCTORS WITH VOLTAGE DROP ADJUSTMENTS

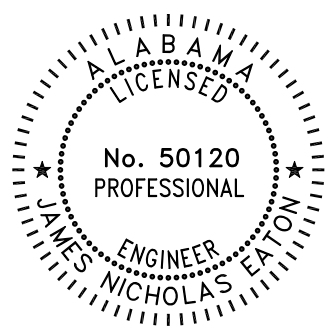
AWG	20A BKR			30A BKR		
	480V	277V	120V	480V	277V	120V
#12	245'-0"	140'-0"	95'-0"	160'-0"	95'-0"	N/A
#10	405'-0"	235'-0"	160'-0"	270'-0"	155'-0"	N/A
#8	615'-0"	355'-0"	245'-0"	410'-0"	235'-0"	N/A
#6	960'-0"	560'-0"	380'-0"	640'-0"	365'-0"	N/A

\* MEASUREMENT SHALL BE MADE TO THE CENTER OF THE LOAD SUPPLIED BY THE CIRCUIT CONDUCTORS  
 \*\* IF THE MAXIMUM DISTANCES FOR #6 AWG ARE EXCEEDED, CONTACT ENGINEER

Drawing: E9.01, ELECTRICAL SCHEDULES  
 Title: Gunterville Park Campsite 710605\_GDPD2\_E\_0201.rvt  
 Date: 02/28/2023 10:45:49



200 Chilton Avenue // Suite 800 // Huntsville, Alabama 35891  
 Phone: 256.533.1961 // Fax: 256.533.1964



ELECTRICAL SCHEDULES

CITY OF GUNTERSVILLE

GUNTERSVILLE PARK - PHASE 2

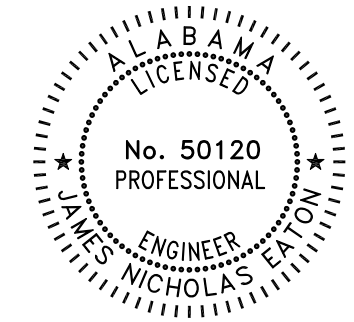
GUNTERSVILLE, ALABAMA

REVISION INFORMATION

REV	CHK	DATE	DESCRIPTION
0	BWL	04/21/2023	ISSUED FOR BID

# E9.01

FILE NO. 3710605



ELECTRICAL SCHEDULES

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2

GUNTERSVILLE, ALABAMA

REV	DR	CHK	DATE	DESCRIPTION
0	JNE	BWL	04/21/2023	ISSUED FOR BID

## E9.02

FILE NO. 3710605

PANEL: BC														
SERVICE: 208Y/120 VOLT, 3 PHASE, 4 WIRE														
LOCATION: ELECTRICAL ROOM														
CKT NO.	DIRECTORY	ACC.	POLE	CKT. BKR.	LOAD (KVA)	A	B	C	LOAD (KVA)	POLE	CKT. BKR.	ACC.	DIRECTORY	CKT. NO.
1	BATTING CAGE GENERAL POWER		1	20	0.36	1.4			1	1	20		PITCHING MACHINE POWER	2
3	BATTING CAGE GENERAL POWER		1	20	0.36		1.4		1	1	20		PITCHING MACHINE POWER	4
5	BATTING CAGE LIGHTING		1	20	1.152			1.2		1	20		SPARE	6
7	SPARE		1	20		0.0				1	20		SPARE	8
9	SPARE		1	20						1	20		SPARE	10
<b>BUS DATA</b>					A			B			C			
AMPERE RATING - CONT: 60A					1.4			1.4			1.2			
SCCR: 10KA											3.9			
BUS: COPPER/NEUTRAL/GROUND											10.8			
TOP FEED											4.8			
											TOTAL KVA			
											TOTAL AMPS			
											TOTAL KVA DEMAND			
<b>ENCLOSURE</b>					<b>MINI POWER ZONE</b>									
<input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH <input type="checkbox"/> NEMA 1 <input type="checkbox"/> NEMA 12					<input type="checkbox"/> NEMA 3R <input checked="" type="checkbox"/> NEMA 3R									
<input checked="" type="checkbox"/> MAIN LUGS ONLY <input type="checkbox"/> MAIN BREAKER 30A PRIMARY BREAKER; 15KVA XFMR 60A					MANUFACTURER: TYPE:					NOTES:				

PANEL: RP2														
SERVICE: 208Y/120 VOLT, 3 PHASE, 4 WIRE														
LOCATION: ELECTRICAL ROOM														
CKT NO.	DIRECTORY	ACC.	POLE	CKT. BKR.	LOAD (KVA)	A	B	C	LOAD (KVA)	POLE	CKT. BKR.	ACC.	DIRECTORY	CKT. NO.
1	CONCESSION STAND EQUIPMENT		1	20	1	2.0			1	1	20		STORAGE 106 EQUIPMENT	2
3	CONCESSION STAND EQUIPMENT		1	20	1		1.5		0.54	1	20		MECH 107/JAN 101/STORAGE 106 REC.	4
5	GENERAL CONCESSION EQUIPMENT		1	20	0.9			1.4	0.54	1	20		EXTERIOR WP REC.	6
7	GENERAL CONCESSION EQUIPMENT		1	20	1.2	2.4			1.2	1	20		WOMEN RESTROOM GFCI/DRYER	8
9	GENERAL CONCESSION EQUIPMENT		1	20	1.2		2.4		1.2	1	20		MENS RESTROOM GFCI/DRYER	10
11	GENERAL CONCESSION EQUIPMENT		1	20	1.2			1.6	0.36	1	20		EXTERIOR WP REC.	12
13	GENERAL CONCESSION	GFCI	1	20	0.36	0.9			0.5	1	20		SCOREBOARD FIELD 5	14
15	ELECTRICAL ROOM REC.		1	20	0.36		0.9		0.5	1	20		LIGHTING CONTACTOR CIRCUIT	16
17	SCORES TABLE FIELD 4		1	20	0.36			0.9	0.5	1	20		GUH-1 AND GUH-2	18
19	LOUVER POWER, GAS WATER HEATER		1	20	0.1	0.6			0.5	1	20		SCORES TABLE FIELD 5	20
21	EF-1 AND EF-2		1	20	0.59		0.6			1	20		SPARE	22
23	AIR CURTAIN		1	20	0.528			0.5		1	20		SPARE	24
25	PAVILLION POWER		1	20	0.36	0.4				1	20		SPARE	26
27	SCOREBOARD FIELD 4		1	20	0.5		0.5			1	20		SPARE	28
29	SPARE		1	20				0.7	0.746	1	20		GRINDER PUMP	30
31	SPARE		1	20		0.0				1	20		SPARE	32
33	SPARE		1	20			1.0		1	1	20		AH-1	34
35	SPARE		1	20				1.0	1.03	1	20		AH-1 FURNACE	36
37	SPARE		1	20		1.7			1.73					38
39	SPARE		1	20			1.7		1.73	3	30		AC-1	40
41	SPARE		1	20				1.7	1.73					42
<b>BUS DATA</b>					A			B			C			
AMPERE RATING - CONT: 100A					8.0			8.6			7.9			
SCCR: 22KA											24.5			
BUS: COPPER/NEUTRAL/GROUND											68.0			
TOP FEED											30.6			
											TOTAL KVA			
											TOTAL AMPS			
											TOTAL KVA DEMAND			
<b>ENCLOSURE</b>					<b>FED FROM: T-DP2</b>									
<input type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> NEMA 1 <input type="checkbox"/> NEMA 12					<input type="checkbox"/> NEMA 3R <input type="checkbox"/> NEMA 3R									
<input type="checkbox"/> MAIN LUGS ONLY <input checked="" type="checkbox"/> MAIN BREAKER AF: AT: 100A					MANUFACTURER: TYPE:					NOTES:				

Drawing: M0.01 - HVAC GENERAL NOTES AND LEGEND  
 Title: Gunterville Park Design 37106-05\_GPPDC2\_M\_0201.rvt  
 Date: 4/21/2023 10:27:15 AM

HVAC LEGEND		
SYMBOL	DESCRIPTION	ABBV.
	SUPPLY AIR CEILING DIFFUSER	CD
	SIDE WALL SUPPLY AIR GRILLE/REGISTER	SG/SR
	RETURN AIR GRILLE / REGISTER	RG / RR
	EXHAUST GRILLE / REGISTER	EG / ER
	EXHAUST DUCT RISE/DROP	
	DOOR GRILLE	DG
	UNDERCUT DOOR	UC
	LINED RETURN TRANSFER DUCT ABOVE CEILING (SIZE AS INDICATED)	TD
	SQUARE ELBOW WITH DOUBLE THICKNESS TURNING VANES	
	MANUAL VOLUME DAMPER	MVD
	FLEXIBLE DUCT CONNECTOR	FLEX.CONN.
	NEW DUCTWORK	
	TEMPERATURE SENSOR	
	IN-LINE EXHAUST FAN	EF
	THERMOSTAT	T'STAT
	WALL MOUNTED ON/OFF SWITCH	
	WALL MOUNTED CARBON-MONOXIDE SENSOR	
	PNEUMATIC DAMPER ACTUATOR	
	MOTORIZED DAMPER ACTUATOR	DMPR.MTR.
	AIRFLOW DIRECTION RETURN / EXHAUST	
	AIRFLOW DIRECTION SUPPLY	
SA	SUPPLY AIR	
RA	RETURN AIR	
OA	OUTSIDE AIR	
OFE	OWNER-FURNISHED EQUIPMENT	
AFF	ABOVE FINISHED FLOOR	
B.O.D.	BOTTOM OF DUCT	
NIC	NOT IN CONTRACT	
FBO	FURNISHED BY OTHERS	
	CONNECT TO EXISTING	
	--- DIFFUSER NECK SIZE --- DIFFUSER SCHEDULE --- CFM	NOTE: DUCT RUNOUT TO NECK SAME SIZE UNLESS OTHERWISE NOTED

### GENERAL NOTES (MECHANICAL):

- FURNISH LABOR, INSTALL MATERIALS AND EQUIPMENT, AND INCLUDE SERVICES AND INCIDENTALS PROPER TO THE INSTALLATION OF WORK INVOLVED FOR A COMPLETE AND OPERATING FACILITY.
- GUARANTEE WORK TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE OR AS REQUIRED BY SPECIFICATIONS.
- THE CONTRACTOR TO OBTAIN AND PAY FOR REQUIRED PERMITS, FEES AND INSPECTIONS FOR THE PROJECT.
- PROVIDE EQUIPMENT THAT BEARS ACCEPTANCE LABEL FROM CERTIFIED TESTING LABORATORY (UL OF OTHER).
- COORDINATE WITH OTHER TRADES, SPECS AND DRAWINGS, AND OWNER'S DIRECTIONS.
- SURVEY JOB SITE TO OBTAIN A FULL UNDERSTANDING OF THE WORK INVOLVED IN CONNECTION WITH EXISTING CONDITIONS. ADDITIONAL FEES WILL NOT BE PAID FOR MISSING OR OVERLOOKED CONDITIONS REQUIRING ADDITIONAL WORK IF DETERMINED BY THE ENGINEER THAT SAID CONDITIONS COULD HAVE BEEN REASONABLY DETECTED DURING THE JOB SURVEY.
- EQUIPMENT SELECTION AS SHOWN ON THE DRAWING IS FOR DESIGN PURPOSES ONLY. ACTUAL INSTALLED EQUIPMENT MAY DIFFER FROM THAT SHOWN. EQUIPMENT PERFORMANCE CHARACTERISTICS AND TYPE ARE THE GOVERNING FACTORS IN SUBSTITUTION "OR EQUAL" COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS.
- THE MECHANICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATION. DETAILS AND ASSEMBLY DRAWINGS ARE SPECIFIC AND SHOULD BE CLOSELY FOLLOWED.
- INSTALL THE MECHANICAL SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, THE 2015 INTERNATIONAL BUILDING CODE, THE 2015 INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FUEL GAS CODE, NFPA 90A, NFPA 54, ETC.
- FABRICATE AND INSTALL DUCTS IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS." RECTANGULAR DUCT WILL HAVE PITTSBURGH LOCK LONGITUDINAL SEAMS AND DRIVE AND SLIP TRANSVERSE JOINTS. ROUND DUCT WILL HAVE SNAP-LOCK LONGITUDINAL SEAMS WITH CRIMPED TRANSVERSE JOINTS SECURE WITH SHEET METAL SCREWS. TAPE SEAL JOINT AS REQUIRED, DUCTMATE SYSTEM MAY BE USED WHERE SPACE PERMITS.
- FABRICATE SHEET METAL DUCTWORK FROM MIN. 26 GAUGE GALVANIZED STEEL SHEET, ASTM 527.
- SPACE DUCT HANGERS IN ACCORDANCE WITH SMACNA RECOMMENDATIONS. MAXIMUM SPACING OF 8 FEET, PROVIDE SUPPORT WITHIN 2 FEET OF EACH TAKEOFF.
- DUCTWORK ELBOWS WILL BE RADIUS TYPE WHERE INSULATION PERMITS. CENTERLINE RADIUS WILL BE NOMINALLY 1.5 X W, WHERE A RADIUS TYPE ELBOW IS NOT FEASIBLE, ELBOW WILL BE SQUARE THROATED TYPE WITH TURNING VANES.
- INSTALL SLEEVES WHERE DUCTS OR PIPING PENETRATE FOUNDATION WALLS, PARTITIONS, FLOOR OR ROOF. PACK AROUND SLEEVES AND SEAL WEATHER TIGHT. INSTALL FLASHING AS REQUIRED. SLEEVES WILL BE MINIMUM OF 16GA. GALV. STEEL.
- CONDENSATE DRAIN LINE WILL BE 3/4" SCHEDULE 40 PVC PIPE. ROUTE TO NEAREST FLOOR DRAIN OR ELSEWHERE AS DIRECTED.
- UNLESS OTHERWISE NOTED, MOUNT WALL THERMOSTATS AT 4'-6" ABOVE FINISH FLOOR AND SET 70 DEGREES F. FOR HEATING AND 75 DEGREES F. FOR COOLING.
- INSTALL CONTROLS IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
- ADJUST THE FINAL LOCATION OF GRILLS AND DIFFUSERS AS NECESSARY TO CLEAR THE STRUCTURAL SYSTEM. COORDINATE LOCATION OF CEILING AIR DISTRIBUTION DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN AND INSTALLED GRILLED SYSTEM.
- COORDINATE THE LOCATIONS OF EQUIPMENT TO PROVIDE NECESSARY CLEARANCES FOR MAXIMUM PERFORMANCE AND MAINTENANCE.
- SIZE REFRIGERANT LINES IN ACCORDANCE WITH DX EQUIPMENT MANUFACTURERS' RECOMMENDATION, ASHRAE STANDARDS IN APPLICABLE DETAILS AND SPECIFICATIONS, WHERE CONDITIONS WARRANT, CONSIDER LENGTH OF RUN AND CHANGE AN ELEVATION IN SIZING REFRIGERANT LINES.

### HVAC GENERAL NOTES AND LEGEND

CITY OF GUNTERVILLE  
 GUNTERVILLE PARK - PHASE 2

GUNTERVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DATE	DESCRIPTION
0	PCJ	04/21/2023	ISSUED FOR BID

M0.01

FILE NO. 37106-05



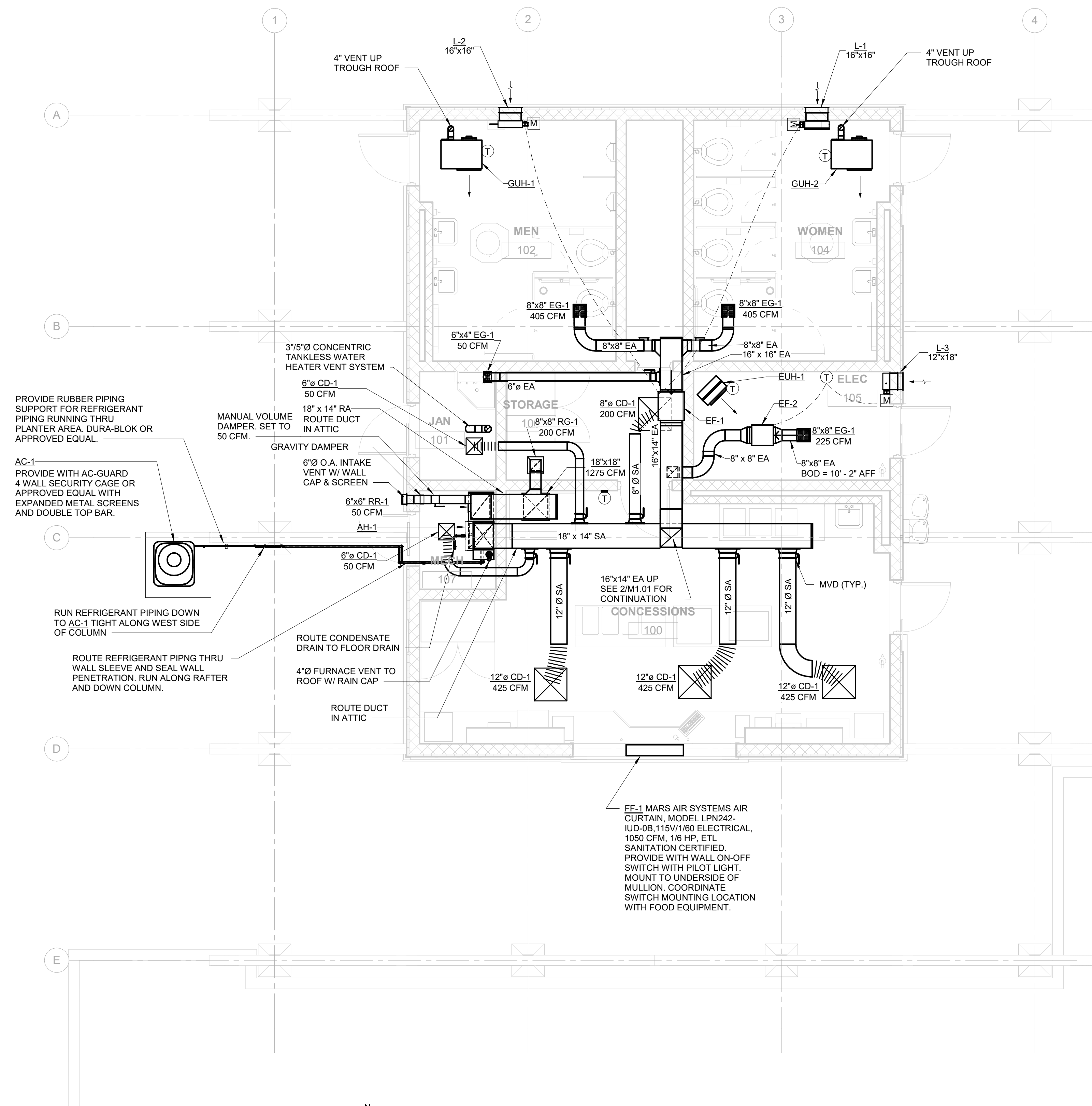
**BARGE**  
 DESIGN SOLUTIONS  
 200 Chilton Avenue // Suite 800 // Huntsville, Alabama 35891  
 Phone: 256.533.1811 // Fax: 256.533.1584



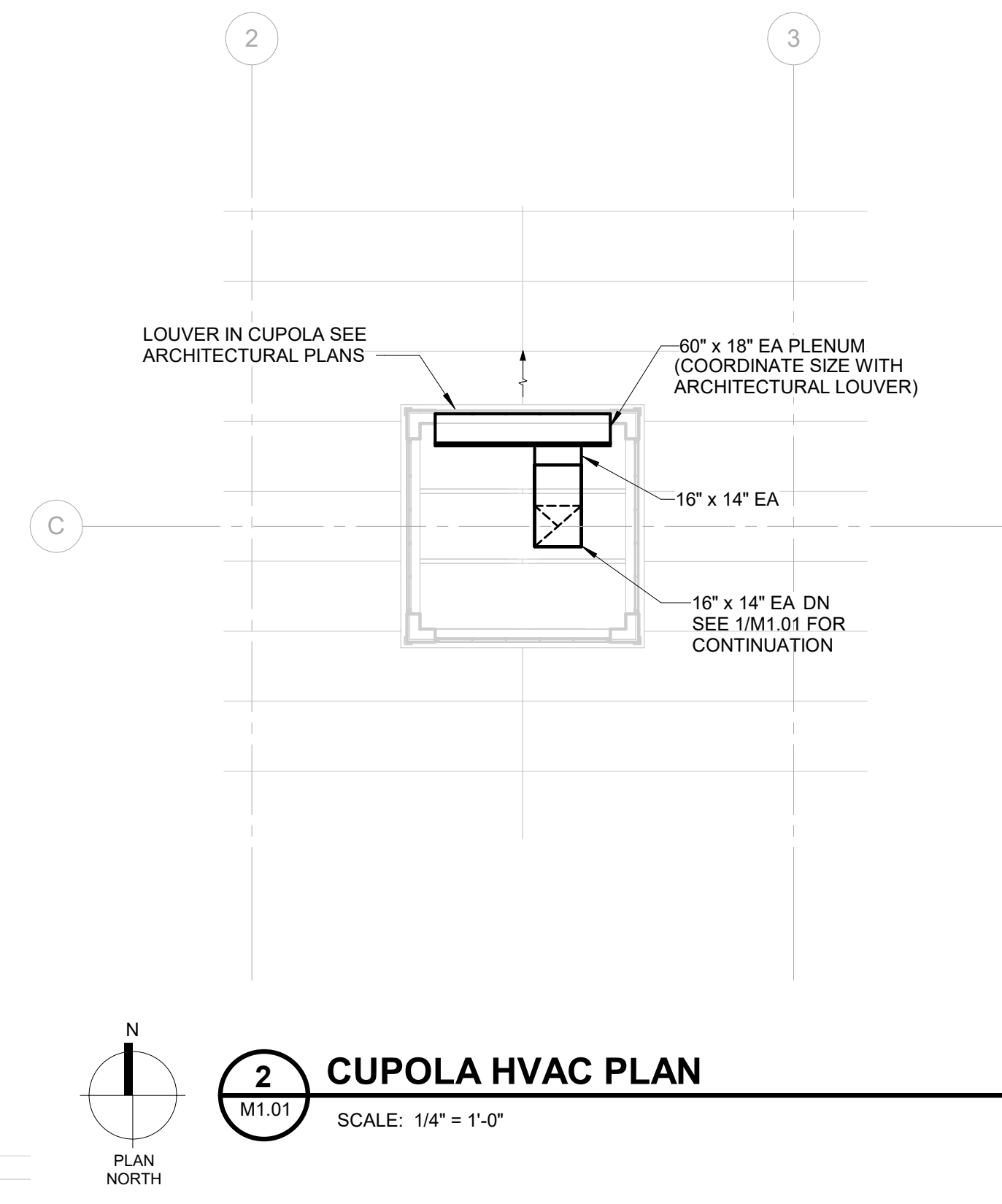


**GENERAL NOTES:**

1. PROVIDE REQUIRED CLEARANCES FROM COMBUSTIBLES FOR GAS VENTS. SEE DETAIL.
2. EXTERNALLY INSULATE SUPPLY AND RETURN DUCTWORK IN ATTIC. SEE SPEC.
3. POSITIVELY ATTACH NATURAL GAS CONTAINING EQUIPMENT TO THE BUILDING STRUCTURE TO WITHSTAND SEISMIC FORCES IN ACCORDANCE WITH ASCE 7 AND THE IBC.
4. FLEX DUCT RUNOUTS TO THE DIFFUSERS TO BE FACTORY INSULATED IF INSTALLED IN THE ATTIC.
5. PROVIDE A 3"5/8" CONCENTRIC TANKLESS WATER HEATER VENT SYSTEM WITH BUG GUARD, ROOF FLASHING, SUPPORT BRACKETS, AND NECESSARY ADAPTERS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS TO PROPERLY VENT THE RINNAI CU160IN TANKLESS WATER HEATER SPECIFIED ON THE PLUMBING DRAWINGS. SEAL ROOF PENETRATION WATER TIGHT AS REQUIRED.
6. INSULATE REFRIGERANT PIPING WITH 2" ARMAFLEX OR APPROVED EQUAL AND PAINT WITH UV PROTECTIVE COATING. PROVIDE EXTERIOR INSTALLATION WITH FIELD APPLIED ALUMINUM JACKETING.



**1 CONCESSION/RESTROOM HVAC FLOOR PLAN**  
M1.01 SCALE: 1/4" = 1'-0"



**2 CUPOLA HVAC PLAN**  
M1.01 SCALE: 1/4" = 1'-0"

**HVAC FLOOR PLAN**

**CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2**

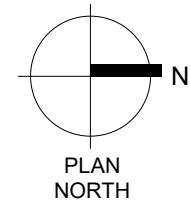
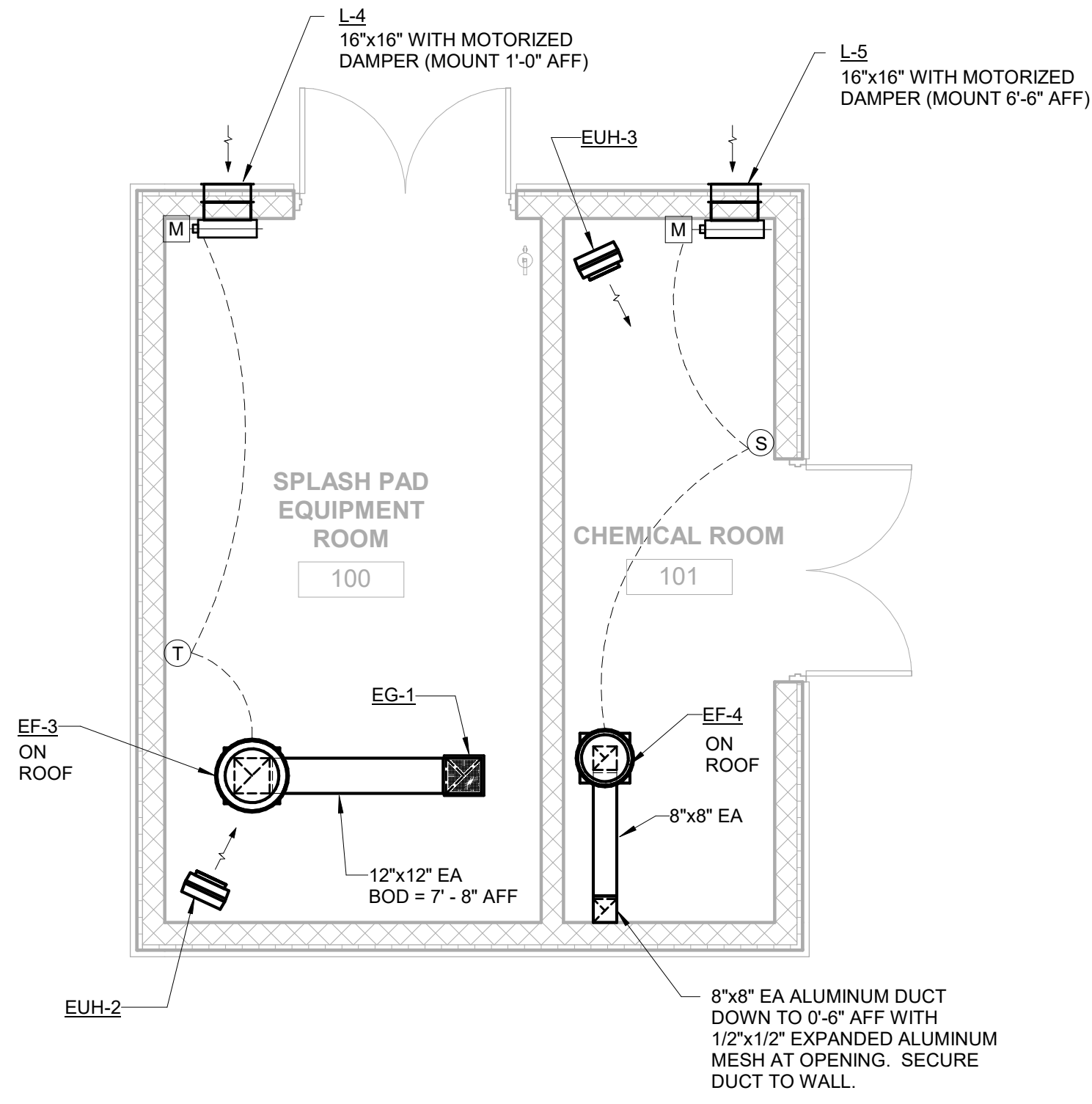
GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DESCRIPTION
REV	CHK	DATE
0	PCJ	04/21/2023
	DCG	ISSUED FOR BID

**M1.01**

FILE NO. 37106-05

Drawing: S1.0  
 Drawing: M1.02 SPLASH PAD EQUIPMENT BUILDING HVAC PLAN  
 Title: Guntersville Park Design/Phase Construction, M1.02  
 Date: 02/2023 10:48:13 AM



**1**  
 M1.02 **MECHANICAL PLAN**  
 SCALE: 1/4" = 1'-0"



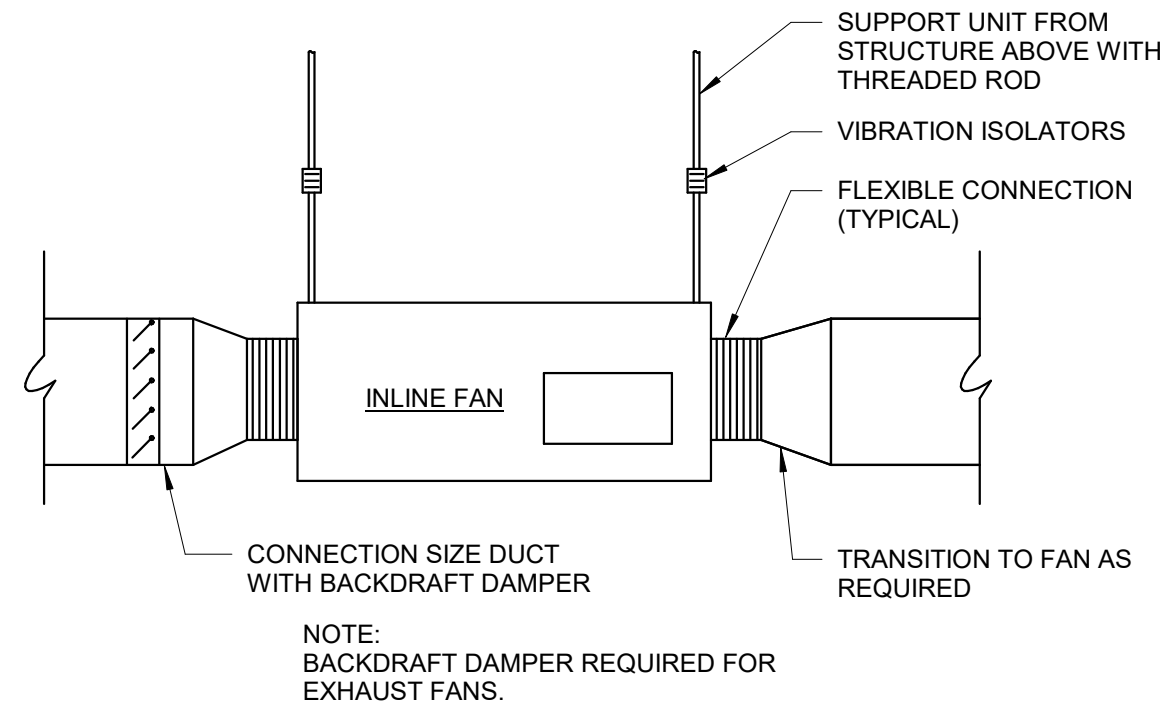
SPLASH PAD EQUIPMENT BUILDING HVAC PLAN

CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

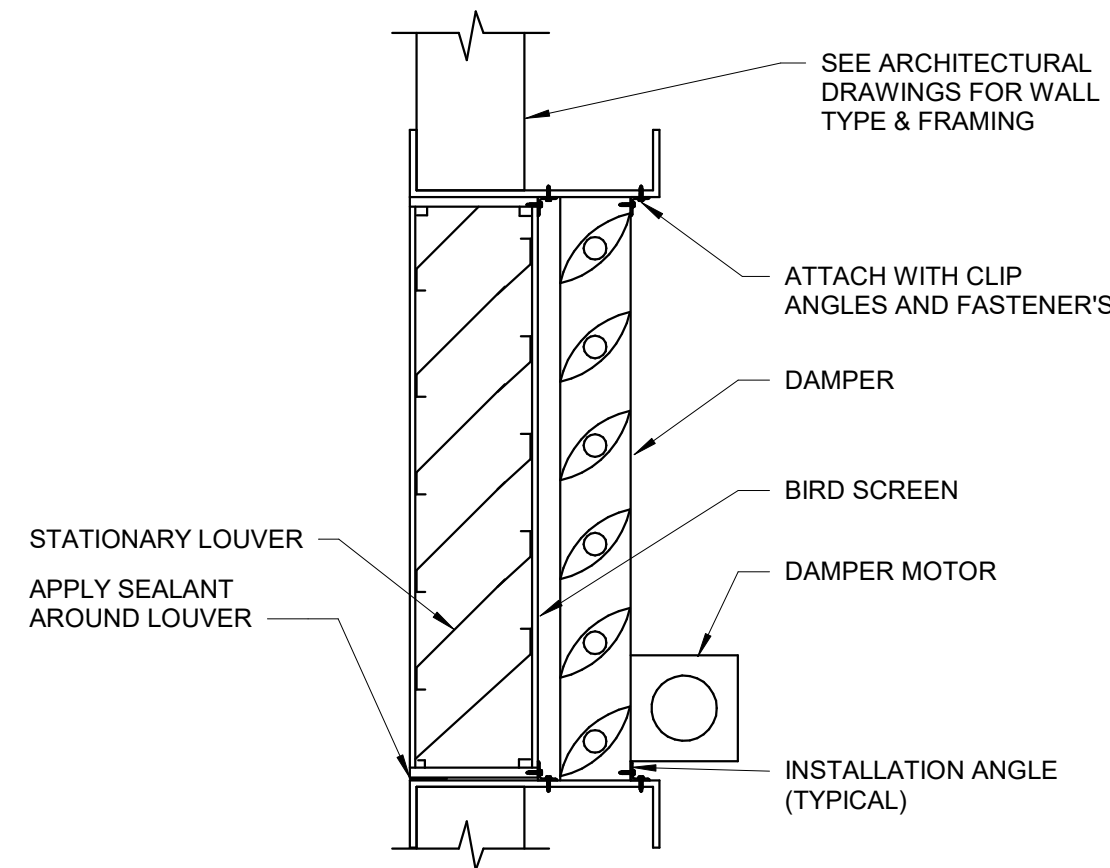
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REV	CHK	DATE	DESCRIPTION
0	PCJ	04/21/2023	ISSUED FOR BID

M1.02

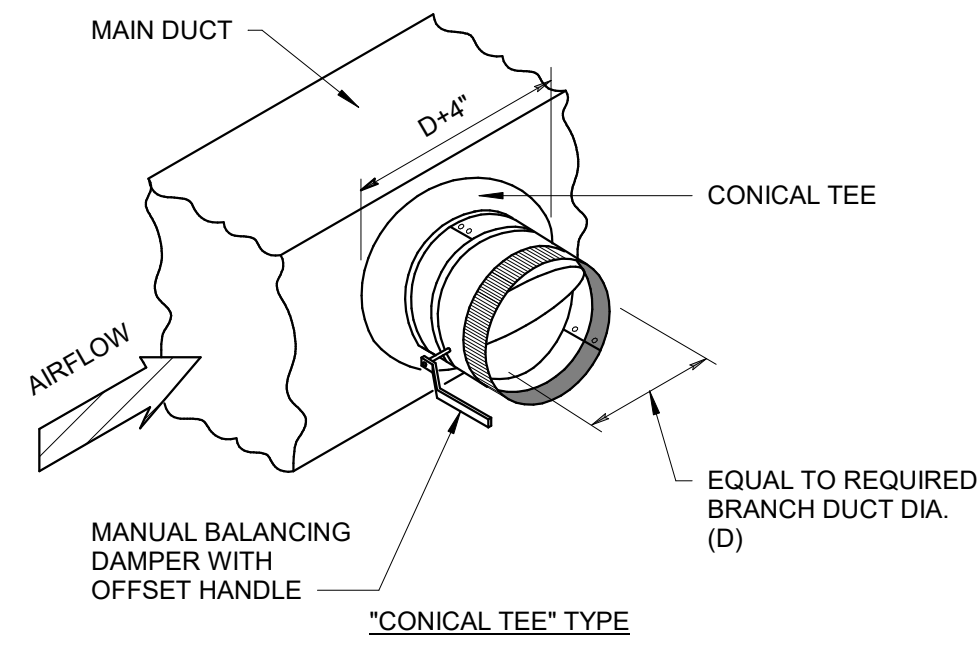
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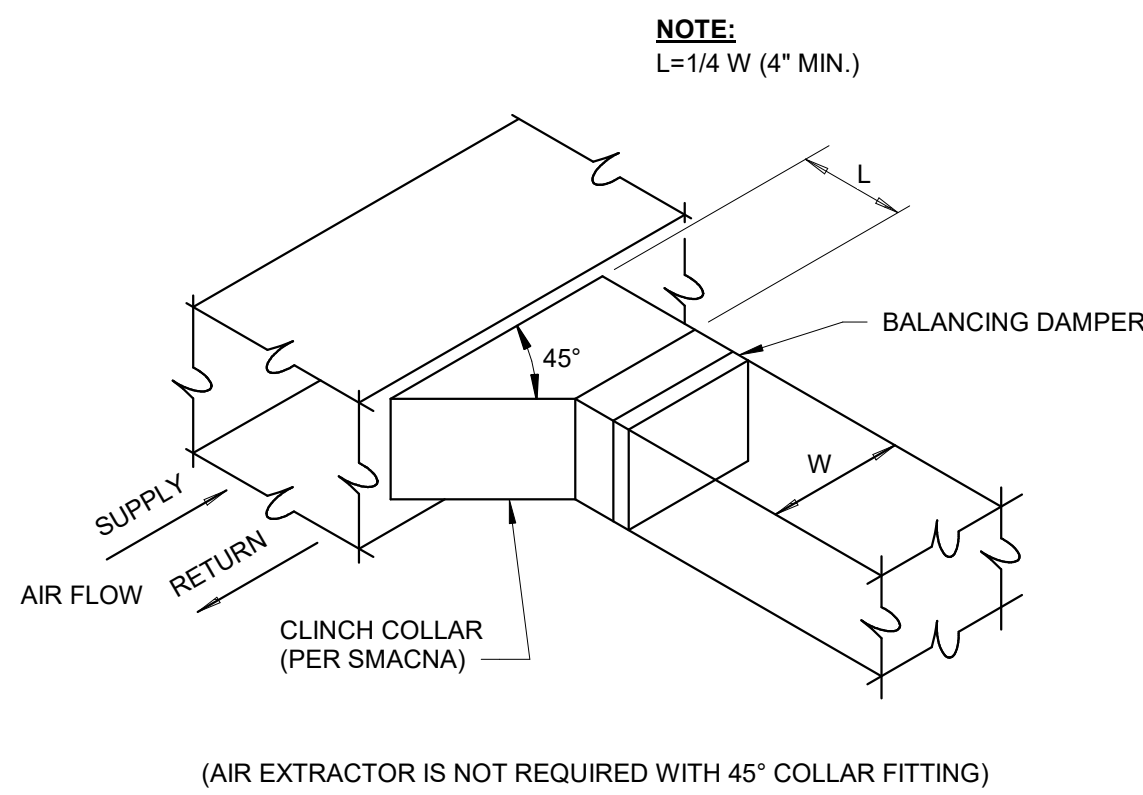
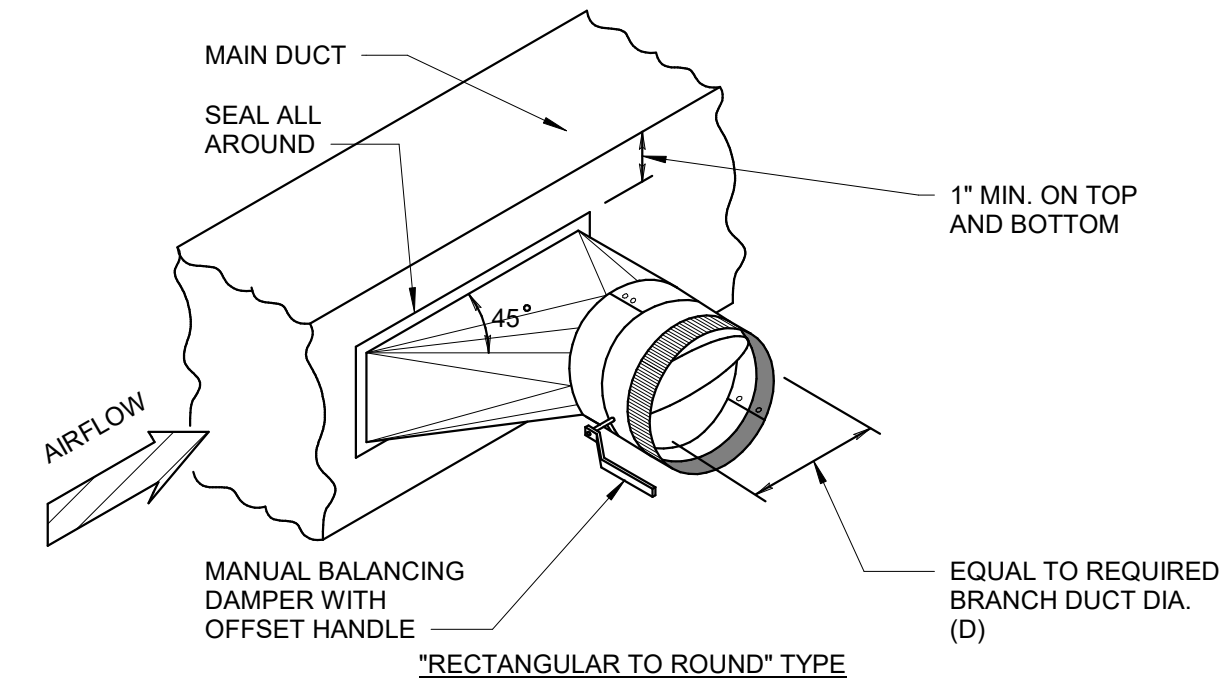
**1 IN LINE FAN DETAIL**  
M7.01 NTS



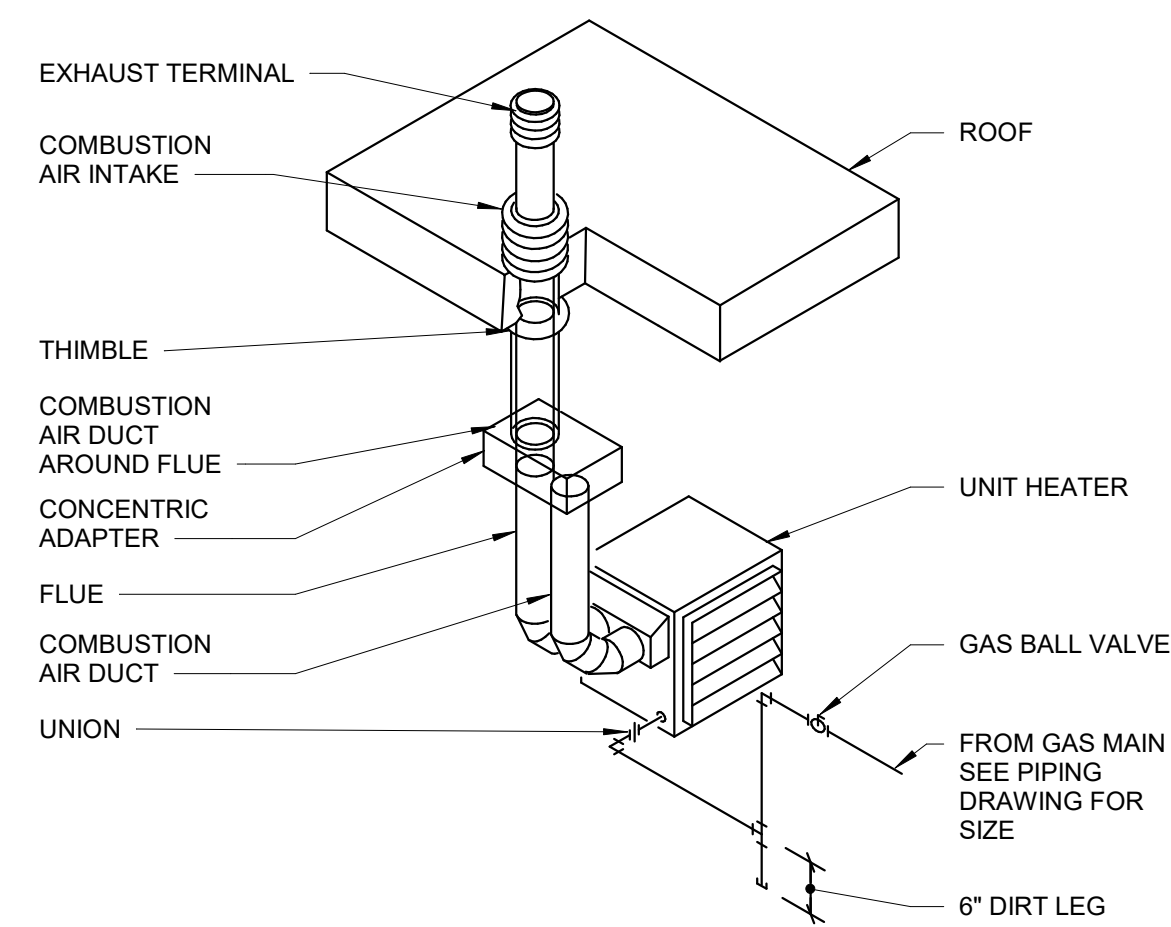
**2 LOUVER AND DAMPER**  
M7.01 NTS



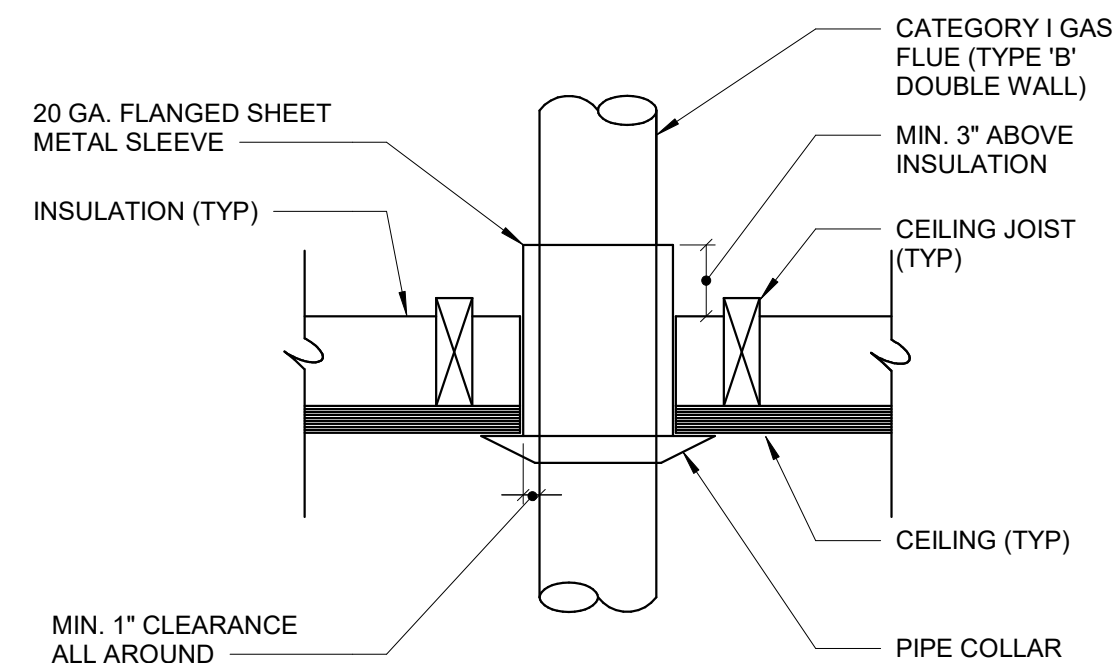
**3 TYPICAL ROUND BRANCH TAKEOFF FITTINGS**  
M7.01 NTS



**4 BRANCH DUCT CONNECTION**  
M7.01 NTS



**5 SEPERATED COMBUSTION GAS UNIT HEATER DETAIL**  
M7.01 NTS



**6 GAS FLUE CEILING PENETRATION**  
M7.01 NTS

REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DATE	DESCRIPTION
0	PCJ	04/21/2023	ISSUED FOR BID

## SPLIT SYSTEM AIR CONDITIONER SCHEDULE

IDENT.		NOMINAL TONS	MANUFACTURER	MODEL NUMBER		CFM	O.A. CFM	ESP (IN.)	FAN HP	COOLING CAPACITY			NG HTG. CAPACITY		FURNANCE ELEC.			CONDENSING UNIT ELECTRICAL			AIR HANDLER ELEC. (SINGLE POINT)			ACCESSORIES
COND. UNIT	AIR HANDLER			COND. UNIT	AIR HANDLER					TMBH	SMBH	SEER	INPUT MBH	OUTPUT MBH	V/PH/HZ	MCA	MOCF	V/PH/HZ	MCA	MOCF	V/PH/HZ	MCA	MOCF	
AC-1	AH-1	4	TRANE	4TTA4048	4TXC+S9V2B	1,550	50	0.5	3/4	46.8	34.7	14.5	60.0	58	120/1/60	10.8	15	208/3/60	18	30	120/1/60	6.25	15	1,2,3,4,5,6

- REMARKS / ACCESSORIES:
- INSTALL INDOOR UNIT ON STAND FOR BOTTOM RETURN W/ VERTICAL AIR HANDLER CONFIGURATION.
  - COOLING EFFICIENCY IS AT @ AHRI CONDITIONS WITH MATCHING AIR HANDLER OR COIL.
  - MIN. HEATING EFFICIENCY: 95% AFUE
  - PROVIDE TRANE NATURAL GAS FURNANCE MODEL S9V2B060 W/ CONCENTRIC VENT KIT, UPFLOW ARRANGEMENT. PROVIDE GAS PRESSURE REGULATOR AND 2-STAGE HEATING. PROVIDE WITH SEISMIC CERTIFICATE.
  - STAND-ALONE, DIGITAL, WALL-MOUNTED THERMOSTAT
  - MULTI-SPEED COMPRESSOR.

## LOUVER / DAMPER SCHEDULE

IDENT.	MANUFACTURER / MODEL NO.	MOUNTING HEIGHT	DEPTH	CFM	PRESSURE DROP (IN.)	FREE AREA (SQ. FT.)	FRAME TYPE	SCREEN TYPE	DAMPER ACTUATOR	DAMPER Y/N	DAMPER TYPE	DAMPER POSITION	DAMPER VOLTS / PH	REMARKS
L-1	RUSKIN / ELF350DMP	8'-0"	6"	405	0.095	0.63	INTEGRAL FLANGE	BIRD	ELECTRIC	YES	PARALLEL	NC	120	1,2,3
L-2	RUSKIN / ELF350DMP	8'-0"	6"	405	0.095	0.63	INTEGRAL FLANGE	BIRD	ELECTRIC	YES	PARALLEL	NC	120	1,2,3
L-3	RUSKIN / ELF350DMP	8'-0"	6"	225	0.095	0.63	INTEGRAL FLANGE	BIRD	ELECTRIC	YES	PARALLEL	NC	120	1,2,3
L-4	RUSKIN / ELF350DMP	1'-0"	6"	450	0.095	0.63	INTEGRAL FLANGE	BIRD	ELECTRIC	YES	PARALLEL	NC	120	1,2,3
L-5	RUSKIN / ELF350DMP	6'-6"	6"	200	0.095	0.63	INTEGRAL FLANGE	BIRD	ELECTRIC	YES	PARALLEL	NC	120	1,2,3

- REMARKS/ACCESSORIES:
- BIRDSCREEN
  - PAINT TO MATCH FROM EXTENDED COLOR SELECTION. COLOR BY ARCHITECT.
  - REFER TO PLANS FOR LOUVER LENGTH AND WIDTH DIMENSIONS.

## FAN SCHEDULE

IDENT.	DESCRIPTION	SERVICE / LOCATION	MANUFACTURER / MODEL NO.	CFM	ESP IN W.C.	DRIVE TYPE	FAN RPM	MOTOR HP	V/PH/HZ	WEIGHT	REMARKS
EF-1	IN-LINE CENTRIFUGAL	RESTROOM EXHAUST	GREENHECK / SQ-120-B	860	0.5	DIRECT	1140	1/6	115/1/60	63	1,2,3,4,5,6,12
EF-2	IN-LINE CENTRIFUGAL	ELECTRICAL ROOM EXHAUST	GREENHECK / SQ-80-D	215	0.5	DIRECT	1550	1/12	115/1/60	54	1,2,3,4,5,7,12
EF-3	CENTRIFUGAL UPBLAST	ROOF	GREENHECK / CUE-99-VG	450	0.5	DIRECT	1174	1/4	115/1/60	39	1,2,3,4,5,8,10,11,12
EF-4	CENTRIFUGAL UPBLAST	ROOF	GREENHECK / CUE-070-VG	200	0.375	DIRECT	1630	1/15	115/1/60	24	1,2,3,4,5,9,10,11,12

- REMARKS/ ACCESSORIES:
- BACKDRAFT DAMPER.
  - MOTOR GUARD.
  - HIGH EFFICIENCY MOTOR.
  - BIRDSCREEN.
  - MOTOR THERMAL OVERLOAD PROTECTION.
  - INTERLOCK FAN WITH ROOM LIGHTING CONTROLS & L-1 AND L-2 DAMPERS.
  - INTERLOCK FAN WITH LINE VOLTAGE THERMOSTAT & L-3 DAMPER.
  - INTERLOCK FAN WITH ROOM LIGHTING CONTROLS & L-4 DAMPER.
  - PROVIDE WITH WALL SWITCH AND INTERLOCK WITH L-5 DAMPER.
  - PROVIDE WITH FACTORY ROOF CURB.
  - PROVIDE WITH HI-PRO POLY CORROSION RESISTANT COATING.
  - COORDINATE WIRING WITH ELECTRICAL CONTRACTOR.

## DIFFUSER / GRILLE SCHEDULE

IDENT.	DESCRIPTION	USE	MOUNT	MANUFACTURER / MODEL NO.	PRESSURE DROP (IN.)	NC	REMARKS
CD-1	SQUARE CONE DIFFUSER	SUPPLY	SURFACE MOUNT CEILING	TITUS / TDC	0.083	18	1, 2, 3
EG-1	EGG CRATE GRILLE	EXHAUST	SURFACE MOUNT CEILING	TITUS/50F	0.095	<30	1, 2, 3
RG-1	GRILLE	RETURN	SURFACE MOUNT CEILING	TITUS / 50F	0.095	<30	1, 2, 3
RR-1	DOUBLE DEFLECTION REGISTER	RETURN	DUCT MOUNTED	TITUS / 111RL	0.016	<20	1, 2, 3

- REMARKS/ACCESSORIES:
- ALUMINUM OPPOSED BLADE DAMPERS.
  - ALUMINUM CONSTRUCTION. WHITE FINISH.
  - PAINT TO MATCH CEILING. COLOR BY ARCHITECT.

## ELECTRIC HEATER SCHEDULE

IDENT.	MANUFACTURER / MODEL NO.	CAPACITY (KW)	MOUNTING HEIGHT	SERVICE	V/PH/HZ	REMARKS
EUH-1	MARKEL / F3FUH3001	3.3	7'-0"	SPACE HEATER	480/3/60	1,2
EUH-2	CHROMALOX / HD3D	5	6'-6"	SPLASHPAD	208/3/60	1,2,3
EUH-3	CHROMALOX / HD3D	3	6'-6"	SPLASHPAD	208/3/60	1,2,3

- REMARKS/ACCESSORIES:
- UNIT MOUNTED THERMOSTAT.
  - FIELD INSTALLED DISCONNECT SWITCH.
  - PROVIDE WITH EPOXY COATING ON CASE, MOTOR AND FAN.

## NATURAL GAS UNIT HEATER SCHEDULE

IDENT.	MANUFACTURER / MODEL	CFM	TYPE	NAT. GAS INPUT (MBH)	HEAT OUTPUT (MBH)	AFUE (%)	FAN HP	MOUNT HEIGHT AFF	V/PH/HZ	REMARKS
GUH-1	REZNOR / UDAS	370	PROPELLER	30	25	83	1/20	7'-6"	115/1/60	1,2,3,4
GUH-2	REZNOR / UDAS	370	PROPELLER	30	25	83	1/20	7'-6"	115/1/60	1,2,3,4

- REMARKS / ACCESSORIES:
- PROVIDE CEILING SUSPENSION KIT.
  - PROVIDE UNIT MOUNTED THERMOSTAT.
  - PROVIDE WITH GAS PRESSURE REGULATOR.
  - PROVIDE VERTICAL CONCENTRIC VENT KIT.

**BARGE**  
DESIGN SOLUTIONS

200 Chilton Avenue / Suite 800 / Huntsville, Alabama 35891  
Phone: 256.533.1981 / Fax: 256.533.1984



HVAC SCHEDULES

CITY OF GUNTERSVILLE

GUNTERSVILLE PARK - PHASE 2

GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
CHK	DCG	04/21/2023	ISSUED FOR BID
DR	PCJ		
REV	0		

M9.01

FILE NO. 37106-05

Drawing: M9.01 - HVAC SCHEDULES  
Title / Date: 4/21/2023 10:27:16 AM  
Project: Gunterville Park Design 37106-05 - GPCD - JG\_V201.rvt

## PLUMBING LEGEND

SYMBOL	DESCRIPTION	ABBV.
	COLD WATER	DCW
	HOT WATER	DHW
	HOT WATER RECIRC.	DHWR
	SANITARY WASTE (ABOVE SLAB)	SS
	SANITARY WASTE (BELOW SLAB)	SS
	VENT LINE (ABOVE OR BELOW SLAB)	V
	NATURAL GAS LINE (ABOVE SLAB)	NG
	CLEANOUT (ABOVE GROUND PIPING)	CO
	CLEANOUT (BURIED PIPING)	CO
	CLEANOUT (IN WALL)	WCO
	PIPE TURNED UP/DOWN	
	GATE VALVE	
	CHECK VALVE	
	BUTTERFLY VALVE	
	BALL VALVE	
	GAS COCK	
	GLOBE VALVE	
	A.S.M.E. RATED T&P RELIEF VALVE	
	3-WAY MODULATING VALVE	
	HUB DRAIN	HD
	FLOOR DRAIN	FD
	SHOCK ARRESTOR	SA
	FLEXIBLE CONNECTOR	
	UNION IN LINE	
	CAP OR PLUG	
	TEE	
	ELBOW	
	THERMOMETER	
	PRESSURE GAUGE & GAUGE COCK	
	EXT. C.O.	EXT.C.O.
	DIRECTION OF FLOW	
	WC-1, ETC.	
	VTR	VTR
	I.E.	I.E.
	RPBP	RPBP
	AFF	AFF
	BFF	BFF
	AFG	AFG
	O.F.E.	O.F.E.
	R.I.O.	R.I.O.
	REFER TO NOTE NO.	
	RISER DIAGRAM IDENTIFICATION	
	FLOOR LEVEL ON RISER (TYP)	
	STEAM TRAP	
	N.I.C.	
	F.B.O.	
	CALIBRATED BALANCING VALVE	CBV
	PRESSURE / TEMPERATURE PORT	

## GENERAL NOTES (PLUMBING):

- A. FURNISH LABOR, INSTALL MATERIALS AND EQUIPMENT, AND INCLUDE SERVICES AND INCIDENTALS PROPER TO THE INSTALLATION OF WORK INVOLVED FOR A COMPLETE AND OPERATING FACILITY.
- B. GUARANTEE WORK TO BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE OR AS REQUIRED BY SPECIFICATIONS.
- C. OBTAIN AND PAY FOR REQUIRED PERMITS, FEES, INSPECTIONS AND CONNECTIONS AS MAY BE REQUIRED FOR THIS WORK.
- D. EQUIPMENT SHALL BE NEW AND BEAR ACCEPTANCE LABEL FROM CERTIFIED TESTING LABORATORY (JL OR OTHER).
- E. COORDINATE WITH OTHER TRADES AND NOTIFY OTHERS OF CHASES OR ACCESS REQUIREMENTS FOR THIS PORTION OF THE WORK.
- F. EQUIPMENT SELECTION AS SHOWN ON THE DRAWINGS IS FOR DESIGN PURPOSES ONLY. ACTUAL INSTALLED EQUIPMENT MAY DIFFER FROM THAT SHOWN. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS. SUBSTITUTED EQUIPMENT MUST FIT IN THE ALLOWED SPACE ENVELOPES SHOWN ON THE DRAWINGS.
- G. THE PLUMBING DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATIONS.
- H. INSTALL THE PLUMBING SYSTEM IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, THE 2015 INTERNATIONAL BUILDING CODE, THE 2015 INTERNATIONAL PLUMBING CODE, ETC.
- I. INSTALL SLEEVES WHERE PIPING PENETRATE FOUNDATION WALLS, PARTITIONS, FLOORS OR ROOF. PACK AROUND SLEEVES AND SEAL WEATHER TIGHT. INSTALL FLASHING AS REQUIRED. SLEEVES: MINIMUM 16 GA. GALV. STEEL.
- J. INSTALL CONTROLS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- K. COORDINATE THE LOCATIONS OF EQUIPMENT TO PROVIDE NECESSARY CLEARANCES FOR MAXIMUM PERFORMANCE AND MAINTENANCE.
- L. VENT PIPING TO PENETRATE ROOF A MINIMUM OF 12". FLASH AND SEAL WEATHERTIGHT TO ROOF.
- M. WASTE PIPING 2 1/2 " AND SMALLER TO SLOPE A MINIMUM OF 1/4 " PER FOOT, 3" AND LARGER TO SLOPE A MINIMUM OF 1/8 " PER FOOT. SLOPE POTABLE WATER LINES AT A MINIMUM OF 1/8 " PER FOOT. SLOPE PIPES BACK IN DIRECTION OF WATER ENTRANCE.
- N. INSTALL PIPING TO CONSERVE BUILDING SPACE AND TO AVOID INTERFERING WITH USE OF SPACE. GROUP PIPING WHENEVER PRACTICAL AT COMMON ELEVATIONS. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS OR CONNECTED EQUIPMENT. PROVIDE CLEARANCE FOR INSTALLATION OF INSULATION AND ACCESS TO VALVES AND FITTINGS. PROVIDE ACCESS WHERE VALVES AND FITTINGS ARE NOT EXPOSED.
- O. INSTALL BALL VALVES FOR SHUT-OFF AND TO ISOLATE EQUIPMENT, PART OF SYSTEMS, OR VERTICAL RISERS. INSTALL MANUAL AIR VENTS AT HIGH POINTS OF POTABLE WATER LINES. INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL, NOT INVERTED.
- P. PROVIDE NEW WATER SERVICE COMPLETE WITH PRESSURE REDUCING VALVE WITH STRAINER AND BY-PASS.
- Q. HOT AND COLD WATER, BUILDING SERVICE PIPING BELOW GRADE: ASTM B88 TYPE K SOFT DRAWN COPPER TUBING WITH ASME B16.18 CAST BRONZE OR ASME B16.22 WROUGHT COPPER AND BRONZE FITTINGS AND ASTM B32 SOLDER, GRADE 95TA JOINTS WITH NO JOINTS BELOW SLAB.
- R. ADJUST STOPS OR VALVES FOR INTENDED WATER FLOW RATE TO FIXTURES WITHOUT SPLASHING, NOISE OR OVERFLOW.
- S. EXTEND CLEANOUTS TO FINISHED FLOOR OR WALL SURFACE. LUBRICATE THREADED CLEANOUT PLUGS WITH MIXTURE OF GRAPHITE AND LINSEED OIL. ENSURE CLEARANCE OF CLEANOUT FOR RODDING OF DRAINAGE SYSTEM. ENCASE EXTERIOR CLEANOUTS IN CONCRETE FLUSH WITH GRADE.
- T. INSTALL WATER HAMMER ARRESTORS COMPLETE WITH ACCESSIBLE ISOLATION VALVE ON HOT AND COLD WATER SUPPLY PIPING.
- U. INSTALL WATER HEATER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH PLUMBING AND RELATED ELECTRICAL WORK TO ACHIEVE OPERATING SYSTEM.
- V. HANGERS FOR PIPE SIZES 1/2" TO 1 1/2": STAINLESS STEEL, ADJUSTABLE SWIVEL SPLIT RING. HANGERS FOR PIPE SIZES 2" TO 4" TO BE STAINLESS STEEL, ADJUSTABLE CLEVIS. INSTALL HANGERS TO PROVIDE MINIMUM 1/2" SPACE BETWEEN FINISHED COVERING AND ADJACENT WORK. USE HANGERS WITH 1 1/2" MINIMUM VERTICAL ADJUSTMENT. PLACE A HANGER WITHIN 12" OF EACH HORIZONTAL ELBOW AND SUPPORT RISER PIPING INDEPENDENTLY OF CONNECTED HORIZONTAL PIPING.
- W. FLASHING FOR WATERPROOFING: NEOPRENE WITH GALVANIZED FLANGE. COPPER PIPE SUPPORTS: CARBON STEEL RING, ADJUSTABLE, COPPER PLATED. PROVIDE SLEEVES FOR PIPE THROUGH FIRE RATED AND FIRE RESISTIVE FLOORS AND WALLS AND FIREPROOF IN ACCORDANCE WITH THE SPECIFICATIONS.
- X. SIZE SLEEVES LARGE ENOUGH TO ALLOW FOR MOVEMENT DUE TO EXPANSION AND CONTRACTION. PROVIDE FOR CONTINUOUS INSULATION WRAPPING OF GLASS FIBER TYPE, NON-COMBUSTIBLE. PROVIDE FLEXIBLE FLASHING AND METAL COUNTER FLASHING WHERE PIPING PENETRATES WEATHER OR WATERPROOFED WALLS, FLOORS AND ROOFS.
- Y. WHERE PIPING PENETRATES FLOOR, CEILING OR WALL, CLOSE OFF SPACE BETWEEN PIPE AND ADJACENT WORK WITH STUFFING INSULATION AND CAULK SEAL. PROVIDE CLOSE FITTING METAL COLLAR OR ESCUTCHEON COVERS AT BOTH SIDES OF PENETRATION.
- Z. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. THAT WALL AND FLOOR FINISHES ARE PREPARED AND READY FOR INSTALLATION OF FIXTURES, THAT ELECTRIC POWER IS AVAILABLE AND OF THE CORRECT CHARACTERISTICS AND THAT THE MILLWORK IS CONSTRUCTED WITH ADEQUATE PROVISION FOR THE INSTALLATION OF COUNTER TOP LAVATORIES AND SINKS.
- AA. ROUGH-IN FIXTURE PIPING CONNECTIONS IN ACCORDANCE WITH MINIMUM SIZES INDICATED IN FIXTURE ROUGH-IN SCHEDULE FOR PARTICULAR FIXTURES. INSTALL EACH FIXTURE WITH TRAP THAT IS EASILY REMOVABLE FOR SERVICING. PROVIDE CHROME PLATED RIGID OR FLEXIBLE SUPPLIES TO FIXTURES WITH LOOSE KEY STOPS, REDUCERS AND ESCUTCHEONS.
- BB. INSTALL COMPONENTS LEVEL AND PLUMB.
- CC. SEAL FIXTURES TO COUNTER, WALL AND FLOOR SURFACES WITH SEALANT IN ACCORDANCE WITH SEALANT MANUFACTURERS' REQUIREMENTS FOR PREPARATION OF SURFACES AND MATERIAL INSTALLATION INSTRUCTIONS, COLOR TO MATCH FIXTURE.
- DD. BALL VALVES FOR DOMESTIC WATER SERVICE: FULL PORT, BRONZE, 2 PIECE BODY.



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PLUMBING GENERAL NOTES AND LEGEND

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK -PHASE 2  
GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DATE	DESCRIPTION
A	PCJ	04/21/2023	ISSUED TO BID

P0.01

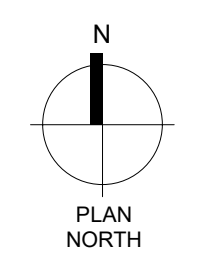
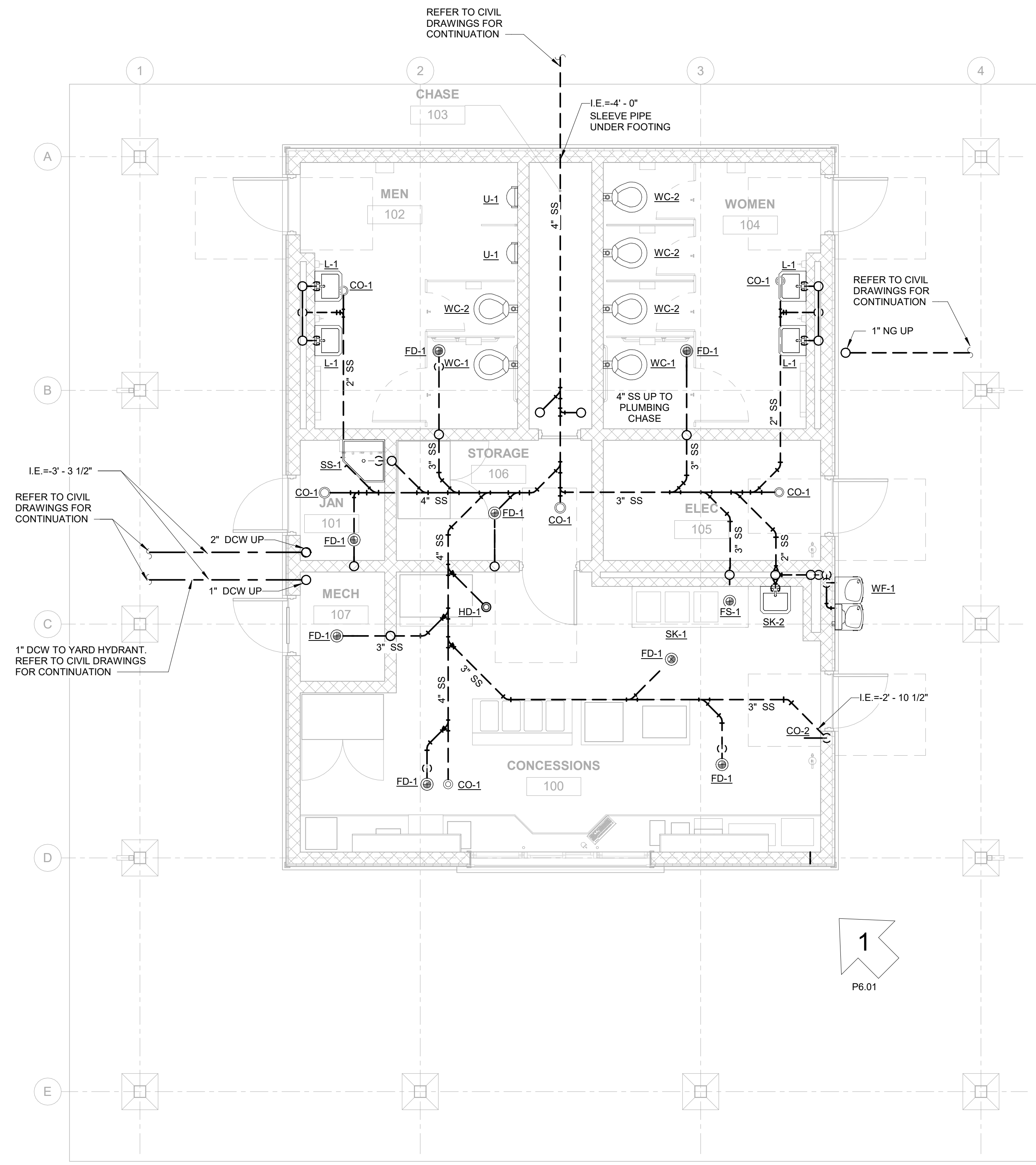
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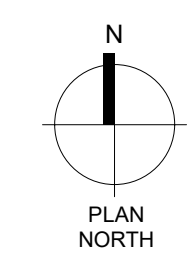
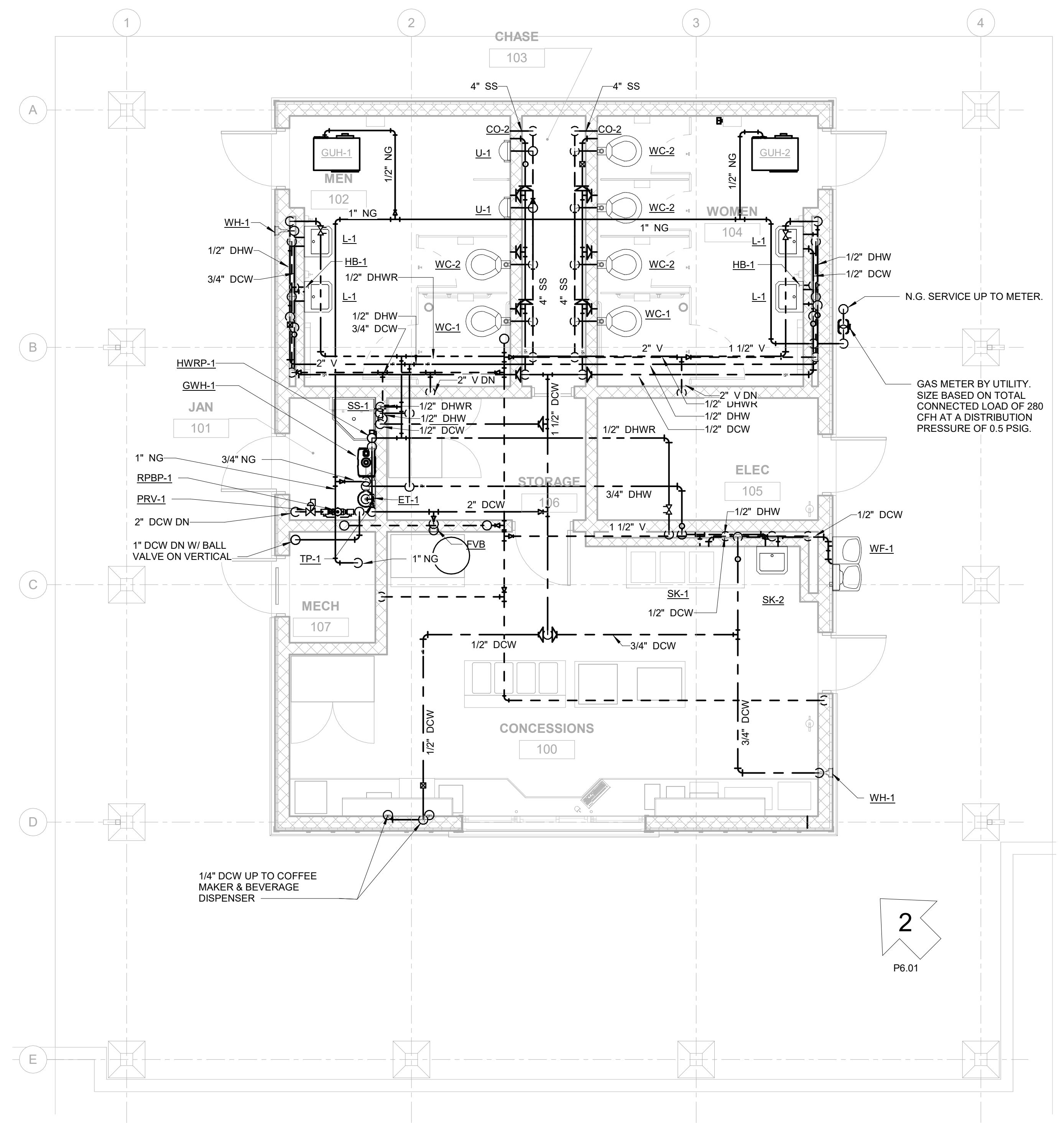
PLUMBING CONCESSION / RESTROOM PLANS  
 CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
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**P1.01**  
 FILE NO. 37106-05



**1** UNDERSLAB PLUMBING PLAN  
 P1.01 SCALE: 1/4" = 1'-0"



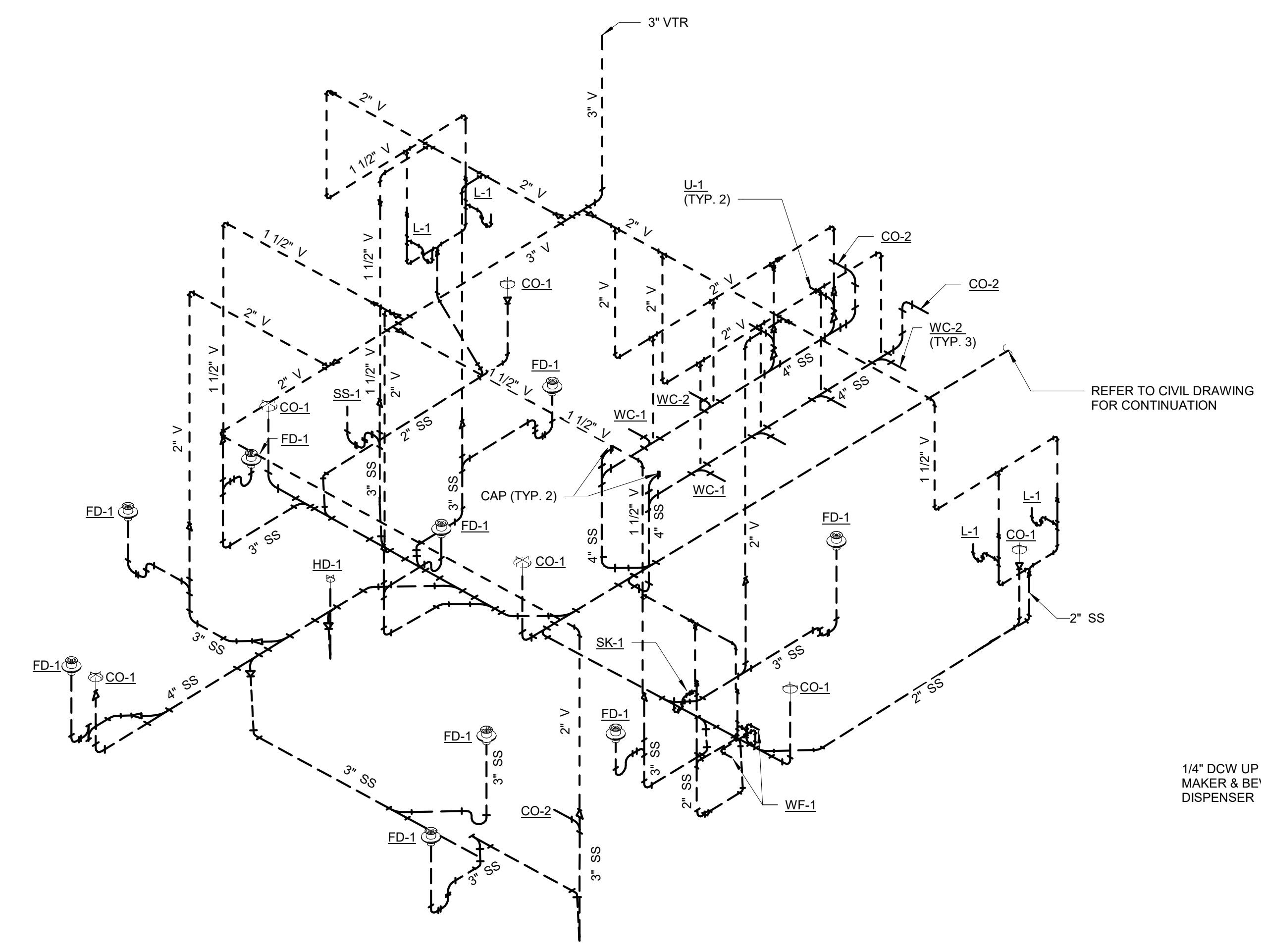
**2** ABOVESLAB PLUMBING PLAN  
 P1.01 SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- FOR PLUMBING PIPING INSTALLED IN ATTIC, PIPING TO BE FULLY INSULATED AND INSTALLED BELOW BATT INSULATION AT CEILING LEVEL.
  - CONCESSIONS AREA FOR FOOD WARMING ONLY. GREASE WASTE NOT GENERATED BY KITCHEN COOKING.
  - PROVIDE SEISMIC BRACING FOR NATURAL GAS PIPING UNLESS RIGIDLY ATTACHED TO STRUCTURE.
  - RIGIDLY ATTACH WATER HEATER TO WALL. PROVIDE BLOCKING AS NEEDED TO SUPPORT EQUIPMENT.
  - PROVIDE PROPER ACCESS TO WATER HAMMER ARRESTORS AND GAS DRIP LEGS.

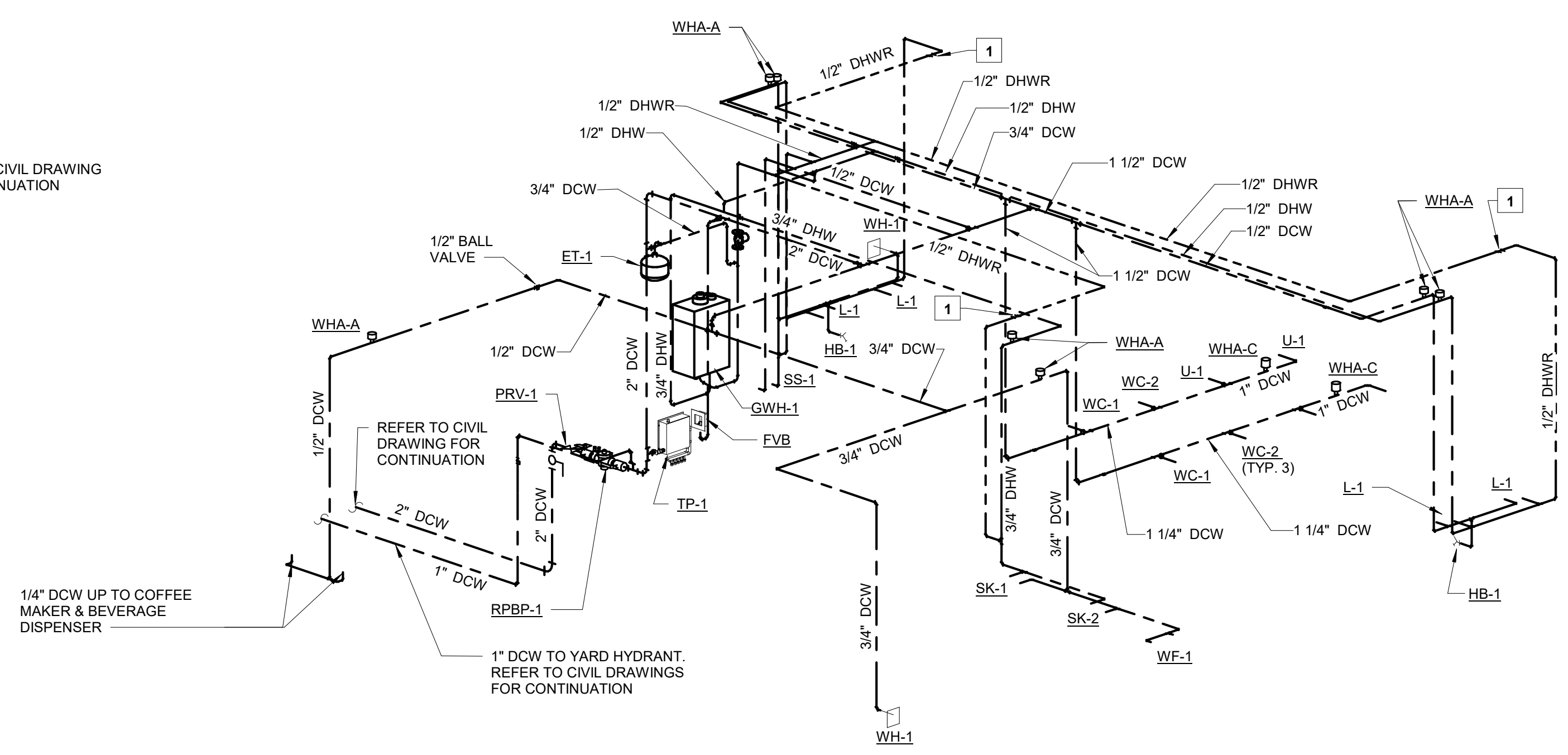


PLUMBING RISER DIAGRAMS  
CITY OF GUNTSVILLE  
GUNTSVILLE PARK - PHASE 2  
GUNTSVILLE, ALABAMA

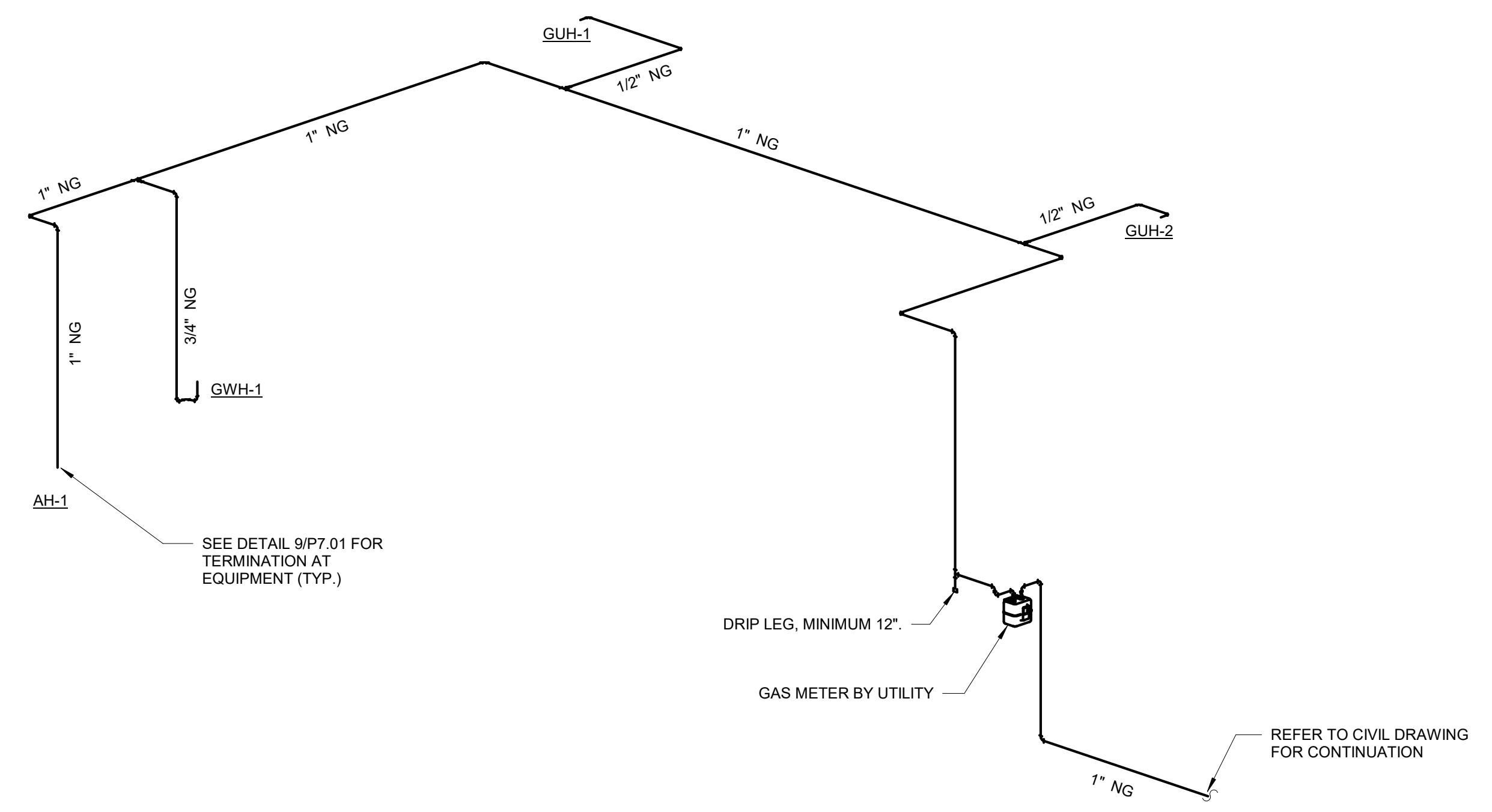
- # KEYED NOTES:
1. CBV-1, BALANCE TO 0.5 GPM.



**1 WASTE & VENT RISER DIAGRAM**  
P6.01 NTS



**2 DOMESTIC WATER RISER DIAGRAM**  
P6.01 NTS

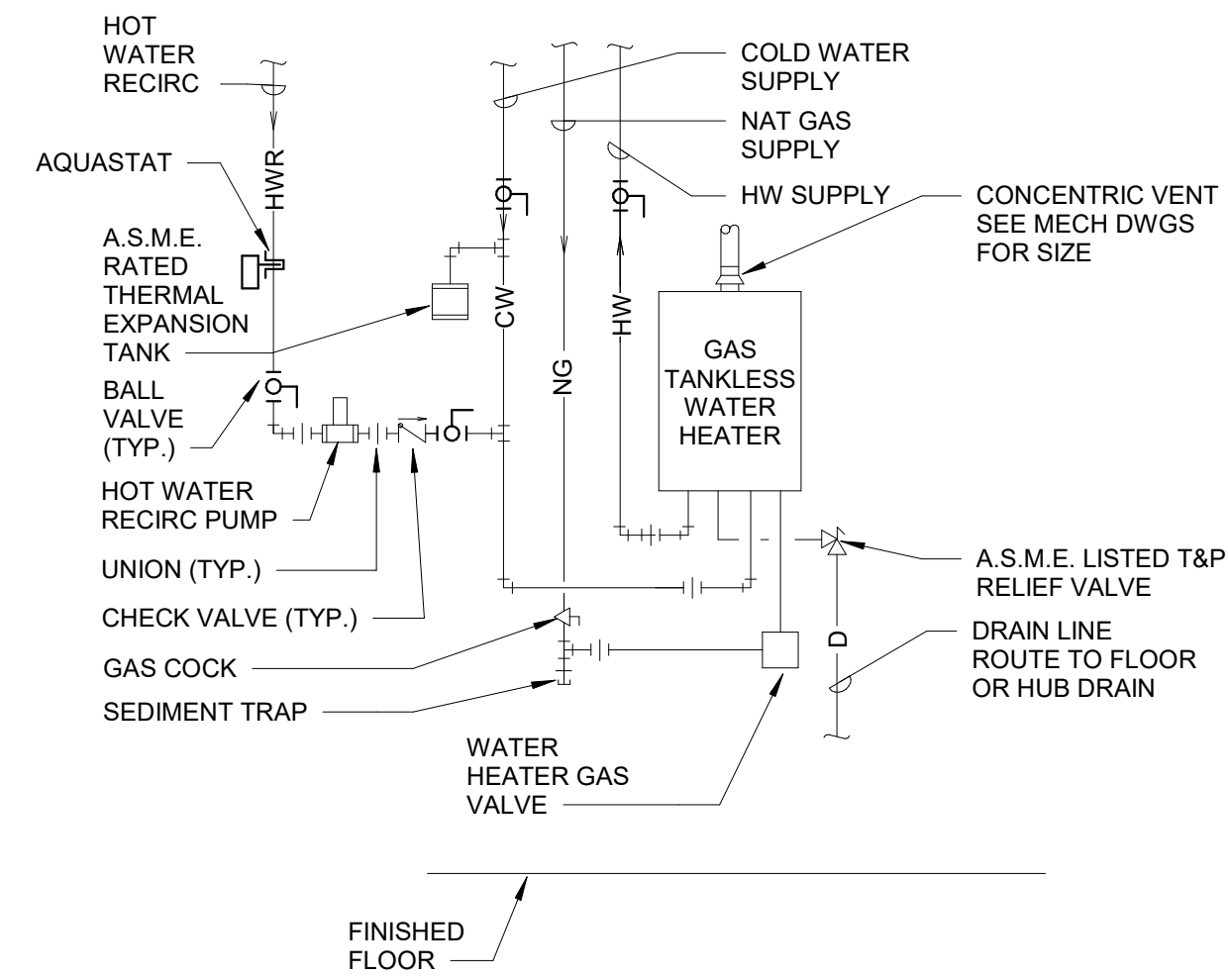


**3 NATURAL GAS PIPING DIAGRAM**  
P6.01 NTS

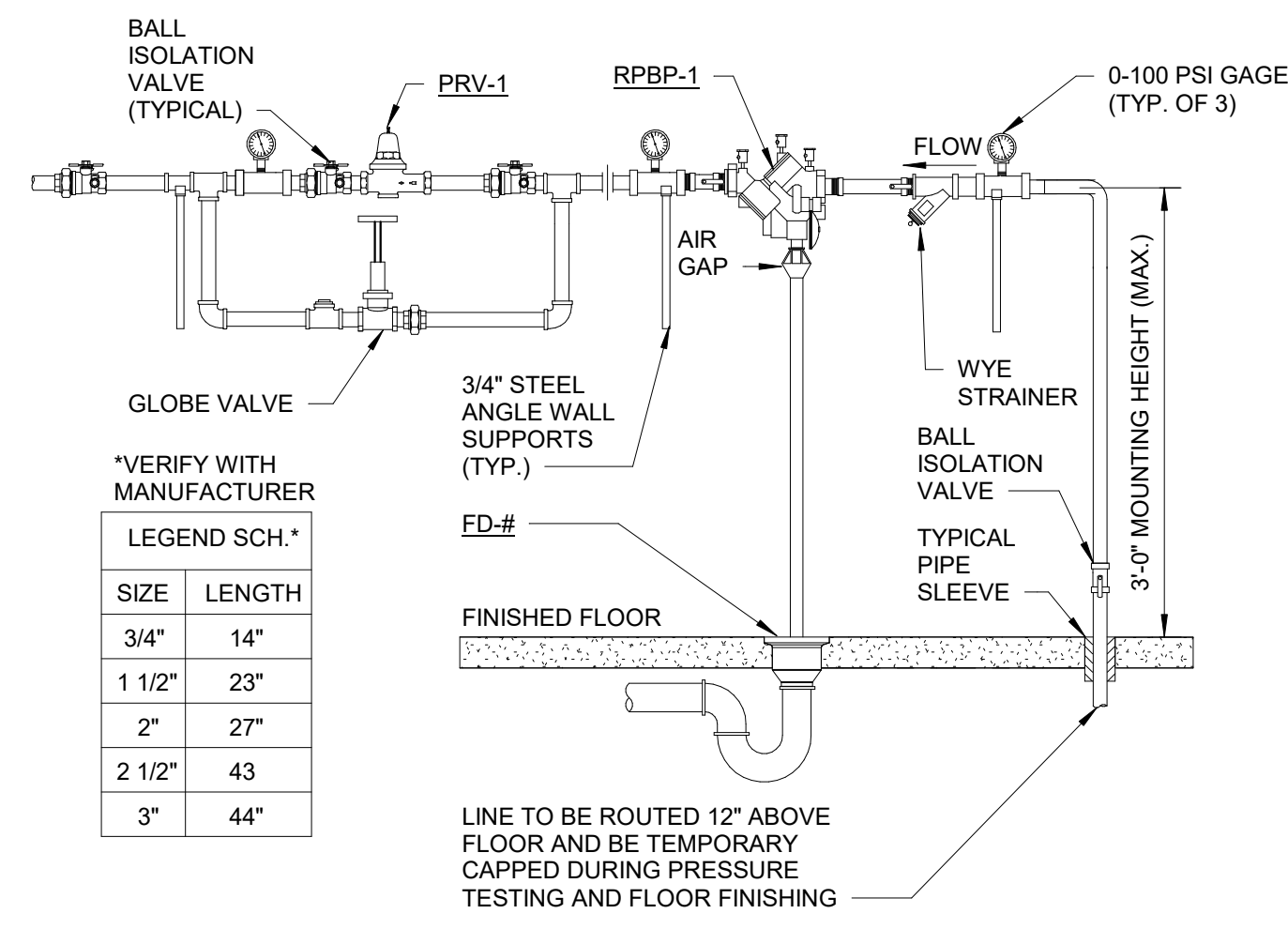
REVISION INFORMATION

REV	CHK	DCG	DATE	DESCRIPTION
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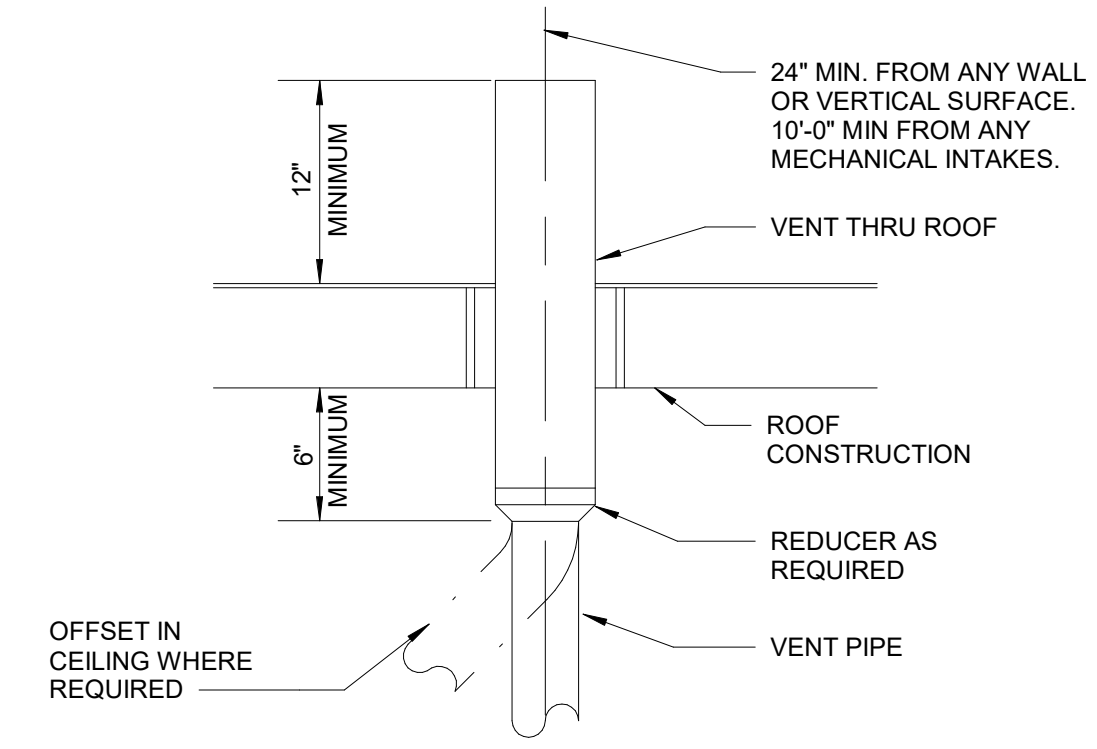
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FILE NO. 37106-05



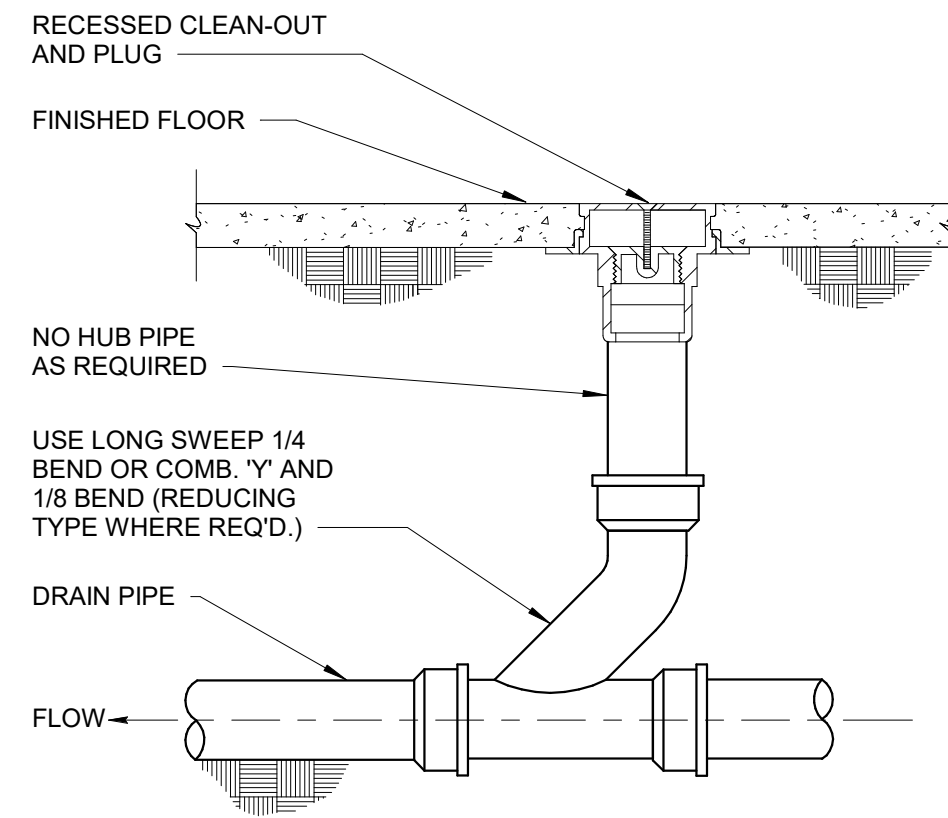
**1 GAS TANKLESS WATER HEATER PIPING**  
P7.01 NTS



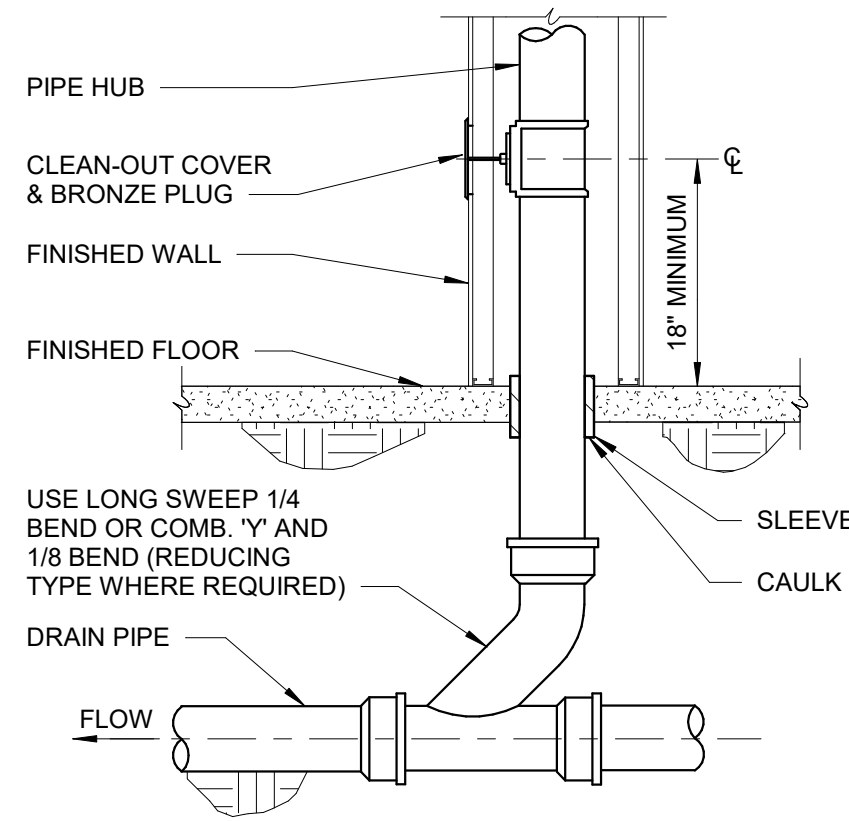
**2 ABOVE GROUND BACKFLOW PREVENTER**  
P7.01 NTS



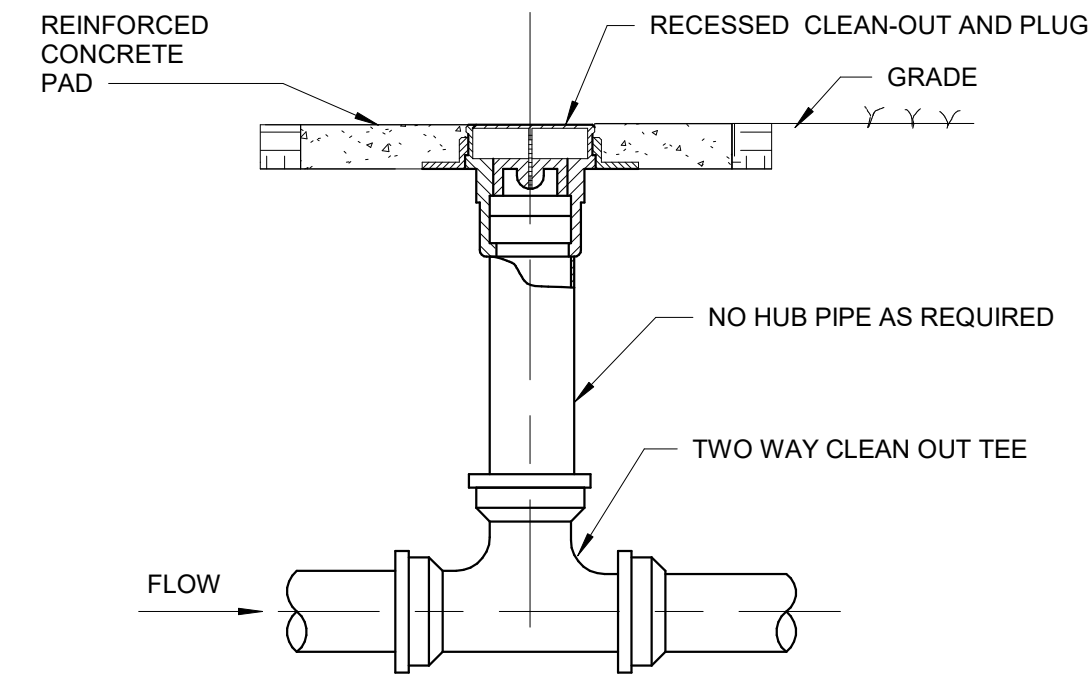
**3 VENT THROUGH ROOF**  
P7.01 NTS



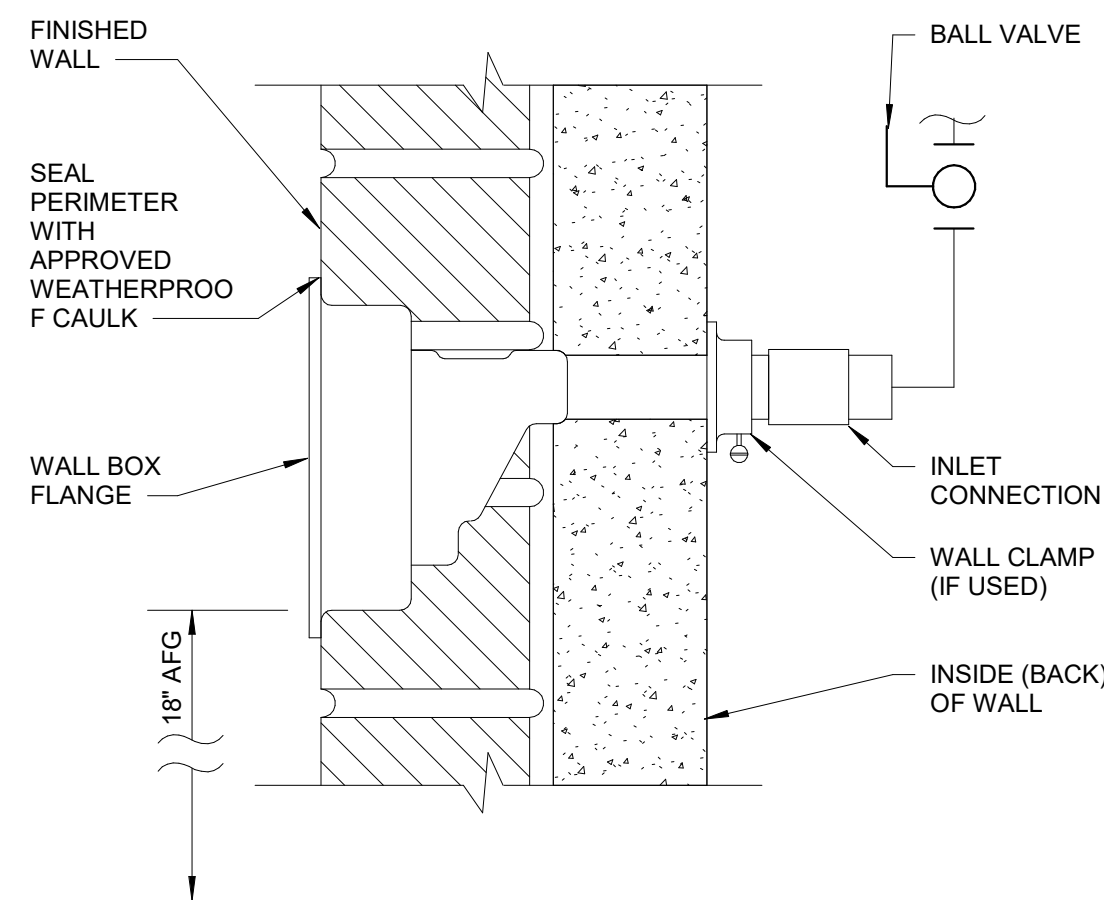
**4 FLOOR CLEANOUT**  
P7.01 NTS



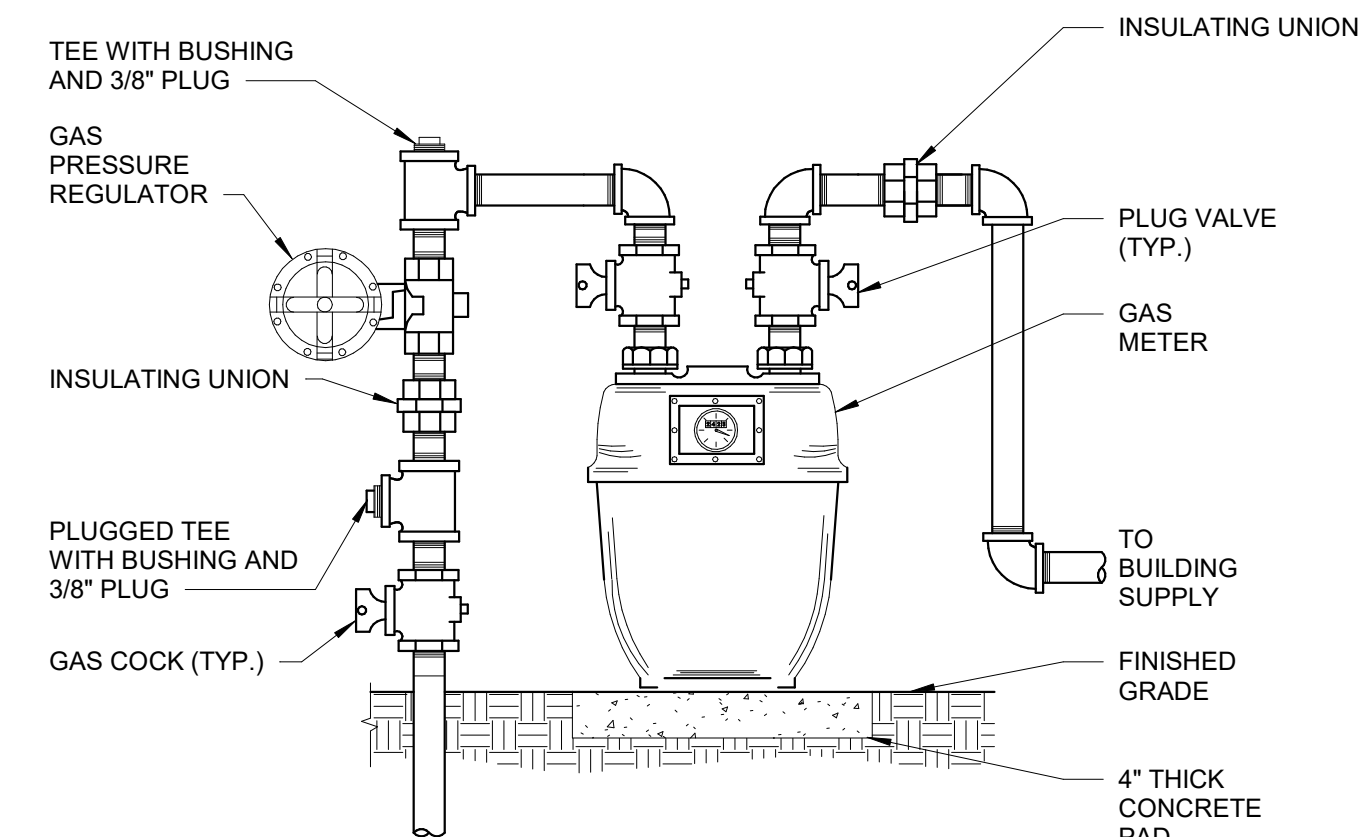
**5 WALL CLEAN-OUT (WCO)**  
P7.01 NTS



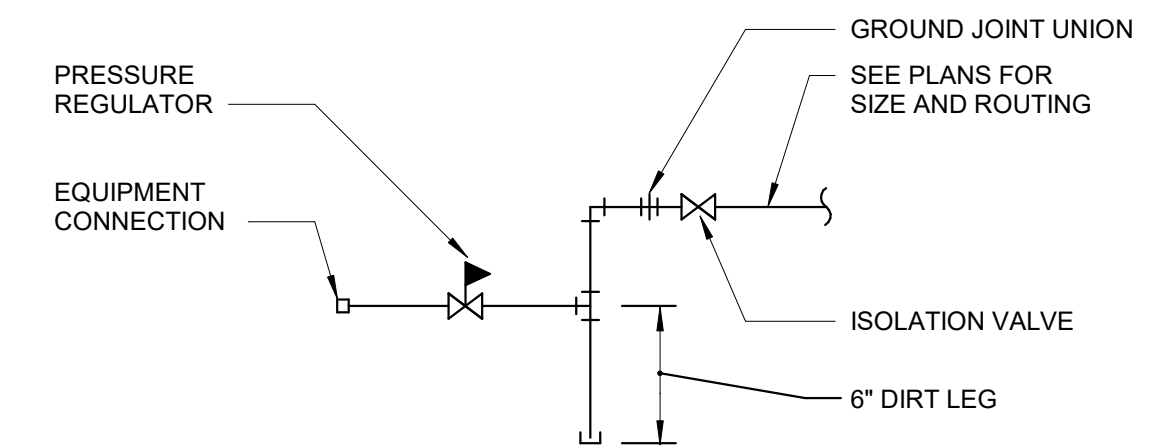
**6 EXTERIOR TWO-WAY CLEAN-OUT**  
P7.01 NTS



**7 FREEZEPROOF WALL HYDRANT**  
P7.01 NTS



**8 GAS METER DETAIL**  
P7.01 NTS



**9 TYPICAL GAS CONNECTION WITH REGULATOR**  
P7.01 NTS



REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DCG	04/21/2023
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## NATURAL GAS WATER HEATER

IDENT.	MANUFACTURER / MODEL NO.	STORAGE CAPACITY (GAL.)	FIRST HOUR RECOVERY (100°F)	MBTU	EFFICIENCY (%)	WATER CONN. SIZE (IN.)	FLUE SIZE (IN.)	WEIGHT (LBS)	NOTES
GWH-1	RINNAI / CU160IN	-	120 GPH	15 - 160	97	3/4"	SEE BELOW	62	1,2,3,4
<p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ASME TEMP/PRESSURE RELIEF VALVE</li> <li>2. PROVIDE WITH GAS PRESSURE REGULATOR</li> <li>3. PROVIDE UL LISTED 3"/5" CONCENTRIC VENT KIT</li> <li>4. MANUFACTURER AND MODEL NO. LISTED ARE BASIS OF DESIGN. ANY ALTERNATIVE PROVIDED MUST BE EQUAL TO THE BASIS OF DESIGN AND APPROVED BY THE ENGINEER.</li> </ol>									

## WATER HAMMER ARRESTOR SCHEDULE

TAG	FIXTURE UNIT CAPACITY	CONNECTION SIZE	NOTES
TYPE A	1-11	3/4"	1,2,3,4
TYPE B	12-32	1"	1,2,3,4
TYPE C	33-60	1"	1,2,3,4
TYPE D	61-113	1"	1,2,3,4
<p>NOTES:</p> <ol style="list-style-type: none"> <li>1. TESTED AND CERTIFIED BY PDI WH-201.</li> <li>2. INSTALL PER MANUFACTURER'S INSTRUCTIONS.</li> <li>3. PROVIDE STAINLESS STEEL PISTON TYPE WATER HAMMER ARRESTORS AT ALL FAST CLOSING VALVES, AS A MINIMUM AT WATER CLOSETS, URINALS, ICE MAKER BOXES AND TOILET GROUPS AND AT SINKS ON HOT AND COLD WATER LINES. SIZE SHOCK ARRESTORS PER THE PDI SIZING METHOD BASED ON DRAINAGE FIXTURE UNITS. EXAMPLE: 3 WATER CLOSETS 30 DRAINAGE FIXTURE UNITS = TYPE C, 1" ARRESTOR.</li> <li>4. MANUFACTURER AND MODEL NO. LISTED ARE BASIS OF DESIGN. ANY ALTERNATIVE PROVIDED MUST BE EQUAL TO THE BASIS OF DESIGN AND APPROVED BY THE ENGINEER.</li> </ol>			

## PLUMBING FIXTURE CONNECTION SCHEDULE

IDENTITY	FIXTURE	C.W.	H.W.	WASTE	VENT	REMARKS
CO-1	CLEANOUT - INTERIOR - FLOOR	---	---	SEE PLAN	---	ZURN ZN1400-K DURA-COATED CAST IRON BODY WITH ANCHOR FLANGE, THREADED TOP ASSEMBLY, AND ROUND GASKETED SCORED COVER IN SERVICE AREAS AND ROUND GASKETED DEPRESSED COVER FOR FLOOR FINISH IN FINISHED AREAS, PROVIDE CARPET MARKER WHERE REQ.
CO-2	CLEANOUT - WALL	---	---	SEE PLAN	---	ZURN ZN1443-BP SQUARE STAINLESS STEEL ACCESS COVER AND FRAME SECURED WITH MACHINE SCREWS WITH CAST IRON BODY, ROUND NO-HUB CLEANOUT WITH BRASS PLUG.
ECO-1	CLEANOUT - EXTERIOR	---	---	SEE PLAN	---	ZURN ZN-1400-HD ROUND, CAST NICKEL BRONZE ACCESS FRAME, WITH VANDAL-PROOF SCREWS.
ET-1	THERMAL EXPANSION TANK	3/4"	---	---	---	AMTROL THERM-X-TROL ST-5C. PROVIDE WITH MINIMUM 2 GALTANK VOLUME, 0.9 GAL ACCEPTANCE VOLUME, FACTORY PRE-CHARGE 55 PSIG, ASME RATED, 150 PSIG WORKING PRESSURE.
FD-1	FLOOR DRAIN	1/2"	---	SEE PLAN	2"	ZURN Z415B-P-VP DURA-COATED CAST IRON, 2 PIECE BODY FLOOR DRAIN WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, ROUND ADJUSTABLE NICKEL-BRONZE STRAINER WITH VANDAL-PROOF SCREWS, TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	---	---	SEE PLAN	---	ZURN ZN-1900 SQUARE CAST IRON BODY WITH ACID RESISTANT PORCELAIN EMAMEL INTERIOR, ALUMINUM DOME STRAINER, 12"x12"x6" DIMENSIONS, ANCHOR FLANGE, 1/2" TRAP PRIMER CONNECTION AND 1/2" GRATE.
FVB	FIXTURE VALVE BOX	1/2"	---	---	---	GUY GRAY ICE MAKER OUTLET BOX MIB2HAAB, POWDER COATED METAL OUTLET BOX, 1/4 TURN LEAD FREE HAMMER ARRESTOR BRASS VALVE.
HB-1	HOSE BIBB	3/4"	---	---	---	ZURN Z1341PC OR EQUAL, CHROME PLATED BRASS HOSE BIBB WITH INTEGRAL MOUNTING FLANGE, KEYED ACTUATED LOCKABLE ACTUATOR, HOSE THREADED SPOUT, INTEGRAL ANTI-SIPHON VACUUM BREAKER IN CONFORMANCE WITH ANS/ASSE 1011.
HD-1	HUB DRAIN	1/2"	---	SEE PLAN	2"	ZURN XXXXXXXXXX DURA-COATED CAST IRON, 2 PIECE BODY HUB DRAIN WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, ROUND ADJUSTABLE NICKEL-BRONZE STRAINER WITH VANDAL-PROOF SCREWS, TRAP PRIMER CONNECTION.
HWRP-1	HOT WATER RECIRC. PUMP	---	3/4"	---	---	GRUNDFOS GTK03 PUMP KIT FOR RINNAI TANKLESS WATER HEATER CIRC-LOGIC SYSTEM. STAINLESS STEEL WITH CHECK VALVE, FLANGE KIT, MAX 145 PSI, MAX TEMP 150 DEG F, 5 GPM AT 14 FOOT OF HEAD, 0.75 A, 115V-1PH-60HZ.
L-1	LAVATORY WALL HUNG 20 X 18 ADA COMPLIANT	1/2"	1/2"	1 1/4"	1 1/4"	ZURN Z5344 VITREOUS CHINA LAVATORY, WALL HUNG, 20 X 18 INCH MINIMUM, 2 1/2" HIGH BACKSPASH, 4" CENTERS, FRONT OVERFLOW, ADA COMPLIANT WHEN INSTALLED 34" FROM FINISHED FLOOR. PROVIDED WITH HANGER PLATE AND HOLES FOR WALL MOUNTED CONCEALED ARM CARRIER SYSTEMS. ZURN Z-1231 CONCEALED ARM CARRIER; ZURN Z8800 SERIES STOP WITH FLEXIBLE SUPPLIES; ZURN Z6915-XL BATTERY POWERED, SENSOR OPERATED FAUCET, 0.5 GPM, Z8743-PC GRID STRAINER, Z8700 SERIES P-TRAP, Z8946-3-NT ADA TRAP, STOP AND SUPPLY PROTECTORS. PROVIDE ASSE 1016 THERMOSTATIC MIXING VALVE AT EACH FAUCET.
RPBP-1	REDUCED PRESSURE BACKFLOW PREVENTER	2"	---	---	---	WATTS 009 BRONZE BODY BACKFLOW PREVENTER WITH BRONZE INTERNAL PARTS AND STAINLESS STEEL SPRINGS, 2 SPRING LOADED CHECK VALVES, DIAPHRAGM TYPE DIFFERENTIAL PRESSURE RELIEF VALVE LOCATED BETWEEN SPRING CHECK VALVES, THIRD CHECK VALVE OPENING UNDER BACK PRESSURE, NON-THREADED VENT OUTLET, ASSEMBLED WITH 2 GATE VALVES, STRAINER, 4 TEST COCKS, AND AIR GAP FITTING.
SK-1	TRIPLE COMPARTMENT SINK	1/2"	1/2"	2"	1 1/2"	ADVANCE TABCO MODEL 93-23-60-24RL STAINLESS STEEL FREE STANDING SINK, TRIPLE COMPARTMENT, 16 GAGE, 115"x27" OUTSIDE DIMENSION, 20 X 20 X 12" DEEP BOWLS, 24" DRAIN BOARDS, UNDERCOUNTER, 8" BACKSPASH WITH 2 HOLES, PERFORATED STRAINER, ELKAY FAUCET LK94SAT12T4, TWO HOLE FAUCET MOUNTED IN SINK BACKSPASH, QUARTER TURN CERAMIC DISC CARTRIDGE, SOLID BRASS CONSTRUCTION, 4" WRIST PLATE HANDLES, 12" SWING SPOUT, 1.5 GPM AERATOR. PROVIDE ZURN Z89600 CHROME PLATED CAST BRASS TWIST DRAIN.
SK-2	HAND WASH SINK	1/2"	1/2"	1 1/2"	1 1/2"	ADVANCE TABCO MODEL 7-PS-60, ONE PIECE DEEP DRAWN SINK BOWL, TYPE 304 STAINLESS STEEL, WALL MOUNTED, 10"x14"x5" BOWL, 8" BACKSPASH, PROVIDE WITH K-59 WALL MOUNTED FAUCET, CHROME PLATED, CAST BRASS CONSTRUCTION WITH LEVER HANDLES, THERMOSTATIC MIXING VALVE, GRID DRAIN AND TAIL PIECE, SUPPLY LINES, STOPS, MCGUIRE PRO WRAP WHEELCHAIR ACCESSIBLE INSULATION KIT.
SS-1	SERVICE SINK FLOOR BASIN CORNER	1/2"	1/2"	3"	1 1/2"	STERN-WILLIAMS SBC-1700 CORNER MODEL MOLDED STONE SINK, FLOOR BASIN, 24 X 24 X 12" HIGH BOWL, 6" DROP FRONT, STAINLESS STEEL CAP AND CHROME PLATED STRAINER, 12" HIGH STAINLESS STEEL TWO WALL SPLASH PANELS, T-15-18 WALL TYPE COMBINATION SUPPLY WITH POLISHED CHROME FINISH, SPOUT WALL BRACE, VACUUM BREAKER, HOSE END SPOUT.
TP-1	TRAP PRIMER	3/4"	---	---	---	PRECISION PLUMBING PRODUCTS PTS-10 PRIME TIME ELECTRONIC TRAP PRIMING ASSEMBLY, SURFACE MOUNT, PRESET 24 HR ADJUSTABLE TIMER WITH ATMOSPHERIC VACUUM BREAKER, 120V SOLENOID AND 10 SUPPLY DISTRIBUTION UNIT.
U-1	URINAL 1.0 GPF ADA COMPLIANT	3/4"	---	3"	1 1/2"	ZURN Z5755-U 1.0 GPF TOP SPUD WASHOUT URINAL, ADA COMPLIANT MOUNTED WITH RIM AT 17" AFF, BATTERY OPERATED AQUAVANTAGE SENSOR FLUSH VALVE; DOME STRAINER AND PROVIDED WITH A FIVE YEAR WARRANTY. USE MANUFACTURER'S SUGGESTED CARRIER.
VTR	VENT THRU ROOF	---	---	---	3"	OATEY 12949 NO CAULK VENT THRU ROOF, ALUMINUM BASE, NON-FADING COLLAR.
WC-1	WATER CLOSET FLUSH VALVE 1.6 GPF WALL MOUNTED ADA COMPLIANT	1"	---	4"	2"	ZURN Z5615-BWL 1.6 GPF FLUSH VALVE SYSTEM WITH WALL-MOUNTED ADA COMPLIANT WHEN MOUNTED AT 17" VITREOUS CHINA FIXTURE; BATTERY OPERATED AQUAVANTAGE SENSOR FLUSH VALVE; ELONGATED, OPEN FRONT TOILET SEAT WITH STAINLESS STEEL SELF SUSTAINING CHECK HINGES, LESS COVER, NEO SEAL GASKET KIT WITH CAP NUTS AND PROVIDED WITH FIVE YEAR WARRANTY. USE MANUFACTURERS SUGGESTED CARRIERS.
WC-2	WATER CLOSET FLUSH VALVE 1.6 GPF WALL MOUNTED	1"	---	4"	2"	ZURN Z5615-BWL 1.6 GPF FLUSH VALVE SYSTEM WITH WALL-MOUNTED VITREOUS CHINA FIXTURE; BATTERY OPERATED AQUAVANTAGE SENSOR FLUSH VALVE; ELONGATED, OPEN FRONT TOILET SEAT WITH STAINLESS STEEL SELF SUSTAINING CHECK HINGES, LESS COVER, NEO SEAL GASKET KIT WITH CAP NUTS AND PROVIDED WITH FIVE YEAR WARRANTY. USE MANUFACTURERS SUGGESTED CARRIERS.
WF-1	WATER FOUNTAIN WITH BOTTLE FILLER ADA COMPLIANT	1/2"	---	1 1/2"	1 1/2"	MOST DEPENDABLE FOUNTAINS MODEL 10485WM, WALL MOUNTED BARRIER FREE, BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER, STAINLESS STEEL CONSTRUCTION, POWDER COATED, OUTDOOR INSTALLATION, FRONT PUSH BUTTON CONTROLS, LEAD FREE WATERWAYS, COLOR AS SELECTED BY ARCHITECT.
WH-1	WALL HYDRANT	3/4"	---	---	---	ZURN 1320 OR EQUAL, NON-FREEZE, SELF DRAINING WALL HYDRANT WITH POLISHED BRONZE WALL PLATE, 3/4" HOSE THREADED SPOUT, INTEGRAL VACUUM BREAKER AND REMOVABLE KEY.
PRV-1	PRESSURE REDUCING VALVE	2"	---	---	---	WATTS 223, 2" PRESSURE REDUCING VALVE, IRON BODY, STAINLESS STEEL SEAT, REINFORCED BUNA-N DIAPHRAGM, EPDM VALVE DISC, ADJUSTABLE REDUCED PRESSURE RANGE: 25-75 PSI, REDUCED PRESSURE SETTING : 60 PSI, VALVE SHALL MEET ASSE 1003.
<p>NOTES:</p> <ol style="list-style-type: none"> <li>1. MANUFACTURER AND MODEL NO. LISTED ARE BASIS OF DESIGN. ANY ALTERNATIVE PROVIDED MUST BE EQUAL TO THE BASIS OF DESIGN AND APPROVED BY THE ENGINEER.</li> </ol>						



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### PLUMBING SCHEDULES

CITY OF GUNTERSVILLE

### GUNTERVILLE PARK - PHASE 2

GUNTERVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
CHK	DCG	04/21/2023	ISSUED TO BID
DR	PCJ		
REV	A		

## P9.01

FILE NO. 37106-05



STATEMENT OF SPECIAL INSPECTIONS - IBC 2006

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS DURING CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE AND THE FOLLOWING TABLES. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

CONTRACTOR RESPONSIBILITIES

THE CONTRACTOR SHALL SUBMIT TO THE BUILDING OFFICIAL AND THE ARCHITECT A WRITTEN STATEMENT OF RESPONSIBILITY THAT CONTAINS THE FOLLOWING:

- ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED WITHIN THIS STRUCTURAL QUALITY ASSURANCE PLAN.
- ACKNOWLEDGEMENT THAT CONTROL SHALL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
- PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.
- IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

THE STRUCTURAL TESTING/INSPECTION AGENCY THAT IS TO ACT AS THE SPECIAL INSPECTOR WILL BE HIRED BY THE OWNER.

CONTRACTOR SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR WORK OR MATERIALS NOT COMPLYING WITH THE CONSTRUCTION DOCUMENTS DUE TO NEGLIGENCE OR NONCONFORMANCE AND SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR HIS CONVENIENCE.

CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SPECIAL INSPECTOR IS PRESENT FOR ALL WORK REQUIRING SPECIAL INSPECTION. ANY WORK THAT REQUIRES SPECIAL INSPECTION AND IS PERFORMED WITHOUT THE SPECIAL INSPECTOR BEING PRESENT IS SUBJECT TO BEING DEMOLISHED AND RECONSTRUCTED.

CONTRACTOR HAS THE FOLLOWING RESPONSIBILITIES TO THE SPECIAL INSPECTOR:

- PROVIDE COPY OF CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR.
- NOTIFY THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW ASSIGNMENT OF PERSONNEL AND SCHEDULING OF TESTS.
- COOPERATE WITH SPECIAL INSPECTOR AND PROVIDE ACCESS TO WORK.
- PROVIDE SAMPLES OF MATERIALS TO BE TESTED IN REQUIRED QUANTITIES.
- PROVIDE STORAGE SPACE FOR THE SPECIAL INSPECTOR'S EXCLUSIVE USE, SUCH AS FOR STORING AND CURING CONCRETE TESTING SAMPLES.
- PROVIDE LABOR TO ASSIST THE SPECIAL INSPECTOR IN PERFORMING TESTS/INSPECTIONS.

SPECIAL INSPECTOR RESPONSIBILITIES

SPECIAL INSPECTOR SHALL MAINTAIN RECORDS OF INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE AND SHALL DISTRIBUTE THESE RECORDS TO THE BUILDING OFFICIAL, ARCHITECT, AND STRUCTURAL ENGINEER ON A WEEKLY BASIS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL. AT THE CONCLUSION OF THE PROJECT THE SPECIAL INSPECTOR SHALL SUBMIT A WRITTEN STATEMENT THAT THE SPECIAL INSPECTIONS DURING CONSTRUCTION HAVE COMPLIED WITH THIS STRUCTURAL QUALITY ASSURANCE PLAN AND THAT ANY DISCREPANCIES NOTED DURING CONSTRUCTION HAVE BEEN CORRECTED.

IBC 2006 - TABLE 1704.7

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

IBC 2006 - TABLE 1704.4

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCE D STANDARD	IBC REFERENCE
INSPECTION OF REINFORCING STEEL, AND PLACEMENT.	-	X	ACI 318: 3.5, 7.1-7.7	1913.4
INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO PLACEMENT OF CONCRETE	X	-	ACI 318: 8.1.3, 21.2.8	1911.5, 1912.1
INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	-	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11-5.13	1913.9
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 6.1.1	-

IBC 2006 - TABLE 1704.5.1

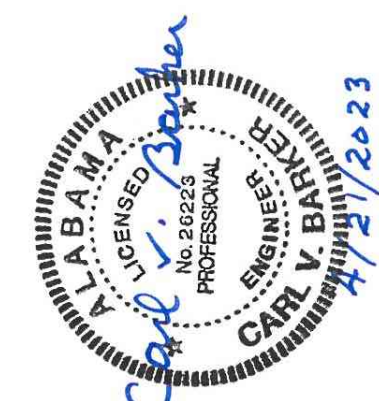
LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	IBC SECTION	TMS 402/ACI 530/ASCE 5 <sup>5</sup>	TMS 602/ACI 530.1/ASCE 6 <sup>6</sup>
COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	-	X	-	-	Art. 1.5
VERIFICATION OF F <sub>u</sub> PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	-	X	-	-	Art. 1.4B
AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR.	-	X	-	-	Art. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	Art. 3.3B
C. LOCATION OF REINFORCEMENT, CONNECTORS.	-	X	-	-	Art. 3.4, 3.6A
DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:					
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	-	X	-	-	Art. 3.3F
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	-	X	-	Sec. 1.2.2(e), 1.16.1	-
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, AND ANCHORAGES.	-	X	-	Sec. 1.15	Art. 2.4, 3.4
D. WELDING OF REINFORCING BARS.	X	-	-	Sec. 2.1.9.7.2, 3.3.3.4(b)	Art. 3.3F
E. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	-	X	Sec. 2104.3, 2104.4	-	Art. 1.8C, 1.8D
PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. GROUT SPACE IS CLEAN	-	X	-	-	Art. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS.	-	X	-	Sec. 1.13	Art. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT.	-	X	-	-	Art. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	Art. 3.3B
GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	X	-	-	-	Art. 3.5
PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	-	X	Sec. 2105.2.2, 2105.3	-	Art. 1.4

Drawing: S0.02, SPECIAL INSPECTIONS  
 File: I:\3000\37106\_Guntersville Park Design\37106-GDPS02-S\_V20.rvt  
 Date: 4/21/2023 9:53:41 AM

**BARGE**  
DESIGN SOLUTIONS

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SPECIAL INSPECTIONS

CITY OF GUNTERSVILLE

GUNTERSVILLE PARK - PHASE 2

GUNTERSVILLE, ALABAMA

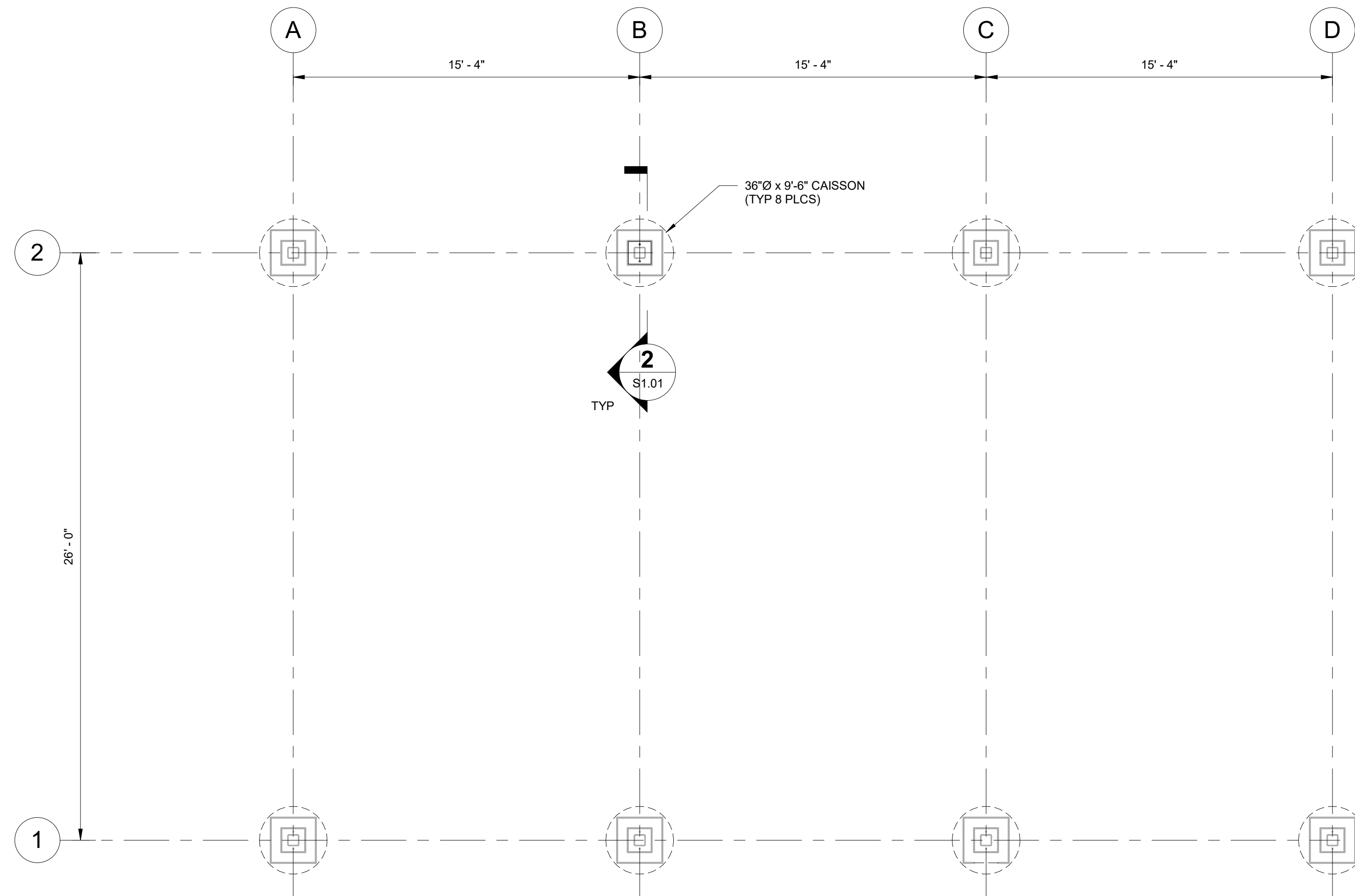
REVISION INFORMATION

DATE: 4/21/2023  
 DESCRIPTION: ISSUED FOR BID

**S0.02**

FILE NO. 37106-05

Drawing: S1.01, PAVILION - FOUNDATION PLAN AND DETAILS  
 File: 4/16/2023 12:10:00 Guntersville Park Design 37106-05\_GPD12\_3\_V20.rvt  
 Date: 4/16/2023 12:10:00



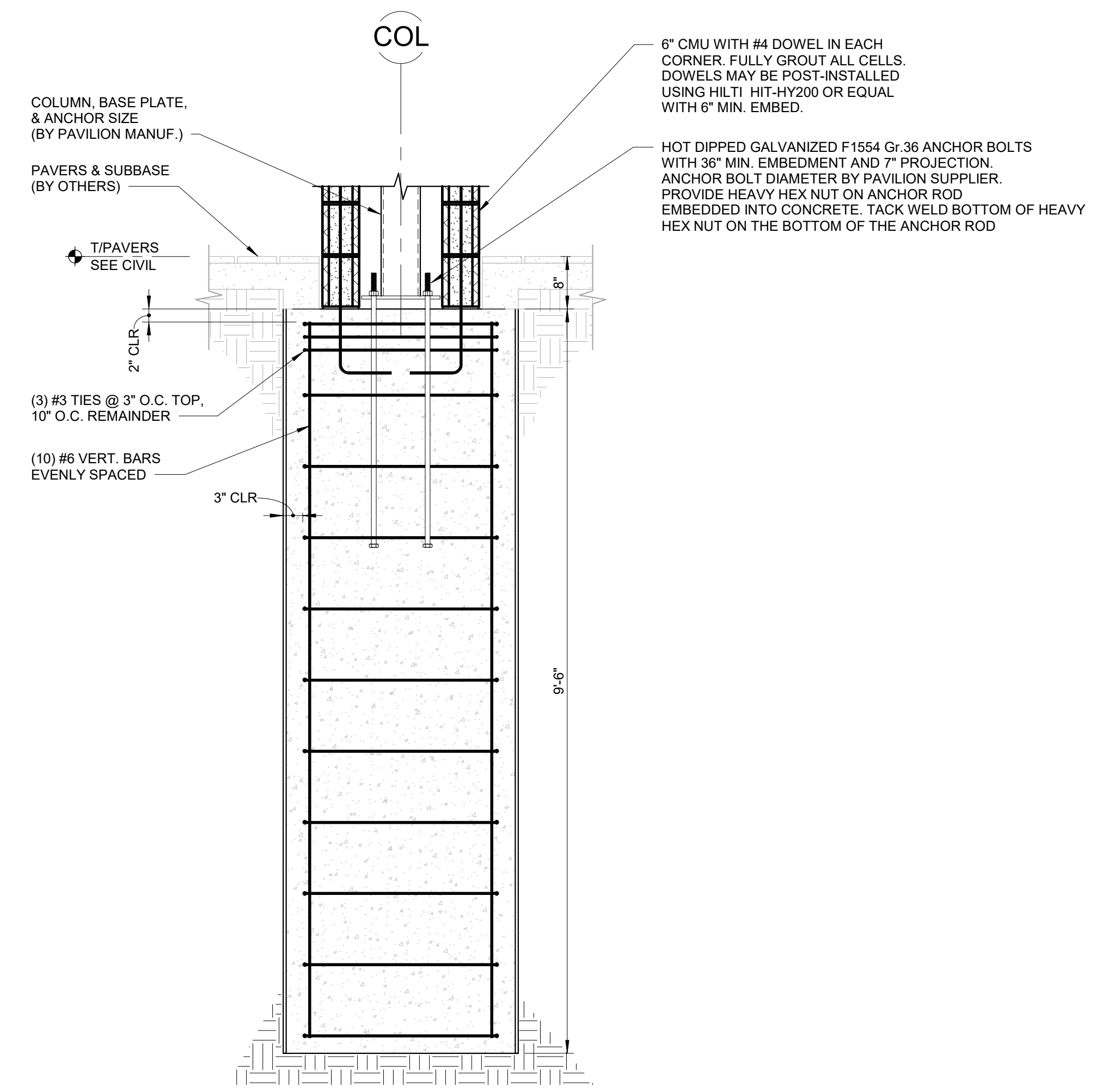
**1 PLAN - FOUNDATION**  
 S1.01 SCALE: 1/4" = 1'-0"

**PLAN NOTES:**

- SEE CIVIL DRAWINGS FOR PAVILION LOCATIONS, PAVER ELEVATIONS AND SIDEWALK INTERSECTIONS.
- VERIFY ALL ANCHOR BOLT LOCATIONS WITH APPROVED PAVILION SHOP DRAWINGS.
- SEE S0.01 AND S0.02 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
- DUE TO POTENTIAL FOR SHALLOW BEDROCK (REFER TO GEOTECHNICAL REPORT), BOTTOM OF PIERS MAY REQUIRE SOCKETING INTO ROCK. CONTACT THIS ENGINEER IF FULL EMBEDMENT IS NOT POSSIBLE TO REVIEW MINIMUM SOCKETING REQUIRED.

**CONTRACTOR NOTES:**

- THE FOUNDATIONS HAVE BEEN DESIGNED FOR ESTIMATED COLUMN AND FRAME REACTIONS. PRIOR TO FABRICATION AND PRIOR TO ANY FOUNDATION WORK, THE ACTUAL COLUMN AND FRAME REACTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. IF, IN THE OPINION OF THE ENGINEER, THE ACTUAL REACTIONS DIFFER APPRECIABLY FROM THE ESTIMATED, THE ENGINEER SHALL REDESIGN THE FOUNDATION FOR THE ACTUAL REACTIONS.
- FOUNDATIONS DESIGNED BY PAVILION MANUF. MAY BE USED AS AN ALTERNATE FOR FOUNDATION SIZES NOTED IF REVIEWED AND APPROVED BY THIS ENGINEER IN PAVILION SUBMITTAL.



**2 SECTION - FOOTING @ COL.**  
 S1.01 SCALE: 3/4" = 1'-0"



**PAVILION - FOUNDATION PLAN AND DETAILS**

CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DATE	DESCRIPTION
0	ACM	4/21/2023	ISSUED FOR BID



CONCESSION - FOUNDATION PLAN

CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2

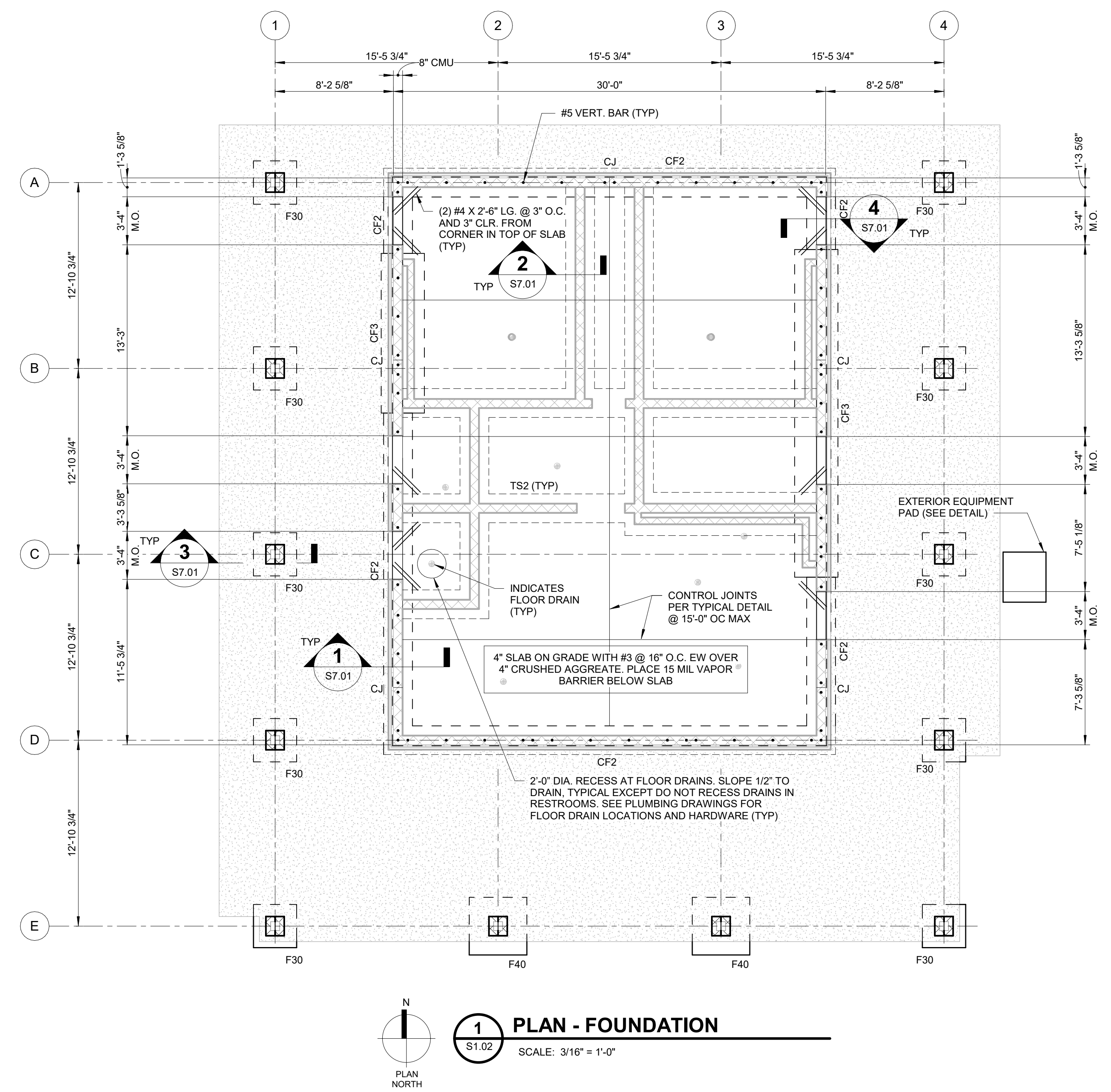
GUNTERSVILLE, ALABAMA

**PLAN NOTES:**

- ALL ELEVATIONS ARE BASED ON A FIRST FLOOR SLAB ELEVATION OF 0'-0". REFER TO CIVIL PLANS FOR MEAN SEA LEVEL ELEVATION.
- SEE 9 / S7.01 FOR TYPICAL CMU REINFORCEMENT AT CORNERS, JAMBS, WALLS AND CONTROL JOINTS.
- SEE 10 / S7.01 FOR CMU WALL OPENING WITH MASONRY LINTEL UNLESS SIZE/DETAILING IS NOTED OTHERWISE ON PLAN.
- "CJ" REPRESENTS CONTROL JOINT LOCATION IN CMU WALL. CONTROL JOINTS ARE ONLY SHOWN FOR EXTERIOR, BEARING, OR SHEARWALLS. TYP. INTERIOR PARTITION JOINTS ARE NOT SHOWN, BUT SHALL BE PLACED @ 24" O.C. MAX.
- REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS TO INTERIOR MASONRY WALLS AND OTHER DIMENSIONS NOT SHOWN.
- F# INDICATES SPREAD FOOTING MARK, SEE SPREAD FOOTING SCHEDULE THIS SHEET.
- TS# AND CF# INDICATES CONTINUOUS FOOTING MARK, SEE CONTINUOUS FOOTING SCHEDULE THIS SHEET.
- TOP OF FOOTING ELEVATION = -1'-4" U.N.O.

**MASONRY REINFORCING SCHEDULE:**

- 8" EXTERIOR CMU**  
 VERT. - #5 @ 32" O.C.  
 JOINT - 9 GA. LADDER TYPE SPACED AT 16" O.C.  
 HORIZ. - 8" BOND BEAM @ TOP OF WALL W/ (2) #5 CONT.
- 8" INTERIOR CMU**  
 VERT. - #4 @ 48" O.C.  
 JOINT - 9 GA. LADDER TYPE SPACED AT 16" O.C.  
 HORIZ. - 8" BOND BEAM @ TOP OF WALL W/ (2) #5 CONT.



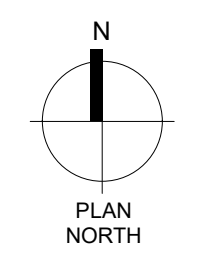
**SPREAD FOOTING SCHEDULE**

MARK	DIMENSIONS			REINFORCING	
	WIDTH	LENGTH	THICKNESS	BOTTOM	TOP
F30	3' - 0"	3' - 0"	1' - 0"	(4) #5 EW	-
F40	4' - 0"	4' - 0"	1' - 0"	(5) #5 EW	-

**CONTINUOUS FOOTING SCHEDULE**

MARK	DIMENSIONS		REINFORCING	
	WIDTH	THICKNESS	BOTTOM	TOP
TS2	2' - 0"	1' - 0"	(3) #5 CONT. W/#4 TIES @ 24" OC	-

**1 PLAN - FOUNDATION**  
 S1.02 SCALE: 3/16" = 1'-0"



Drawing: S1.02, CONCESSION - FOUNDATION PLAN  
 File: 4/16/2023 10:19:06, Gunterville Park Design710605\_GPD02\_S\_V2.rvt  
 Date: 4/16/2023 10:19:06

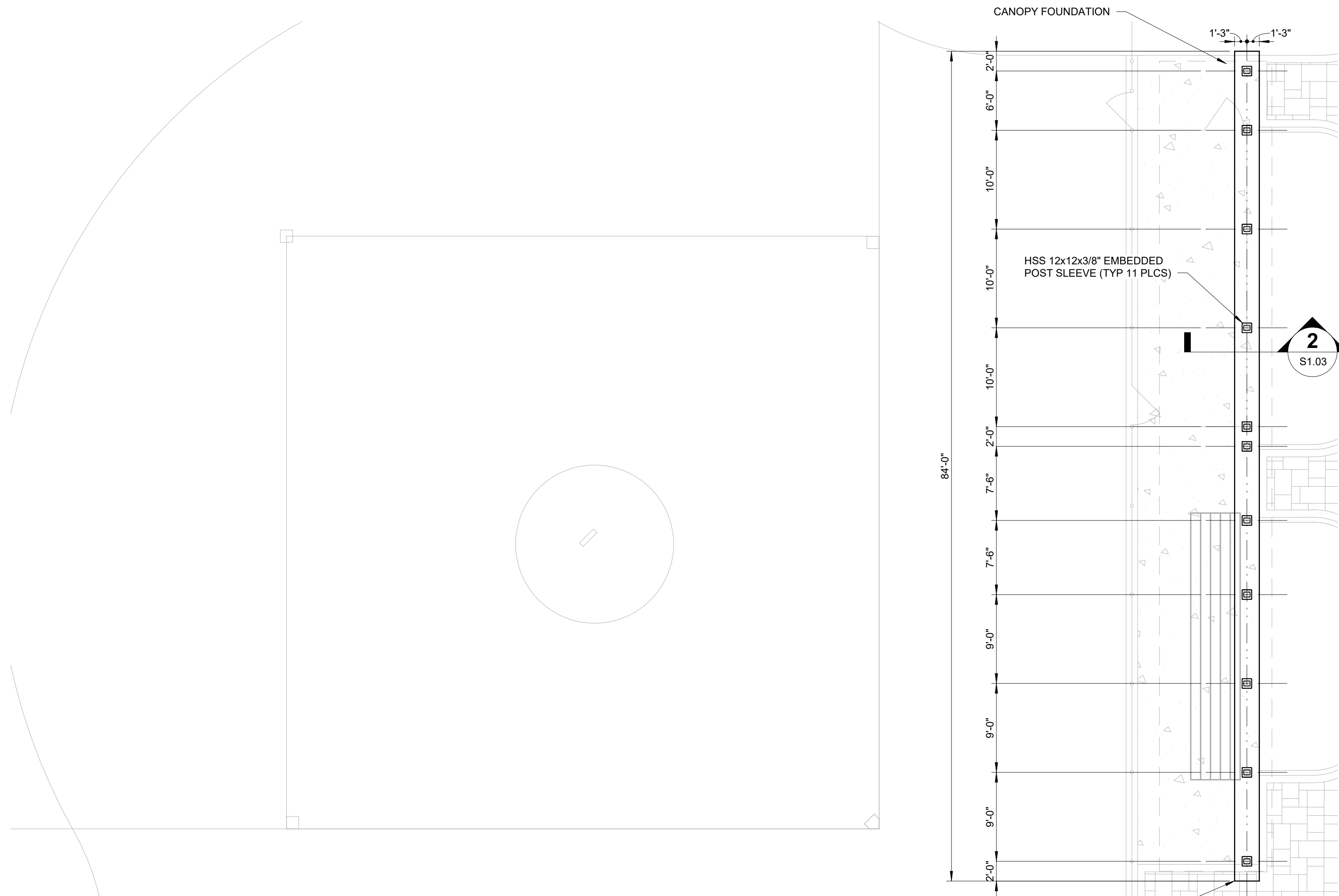
REVISION INFORMATION

REV	DR	CHK	DATE	DESCRIPTION
0	ACM	CB	4/21/2023	ISSUED FOR BID

**S1.02**

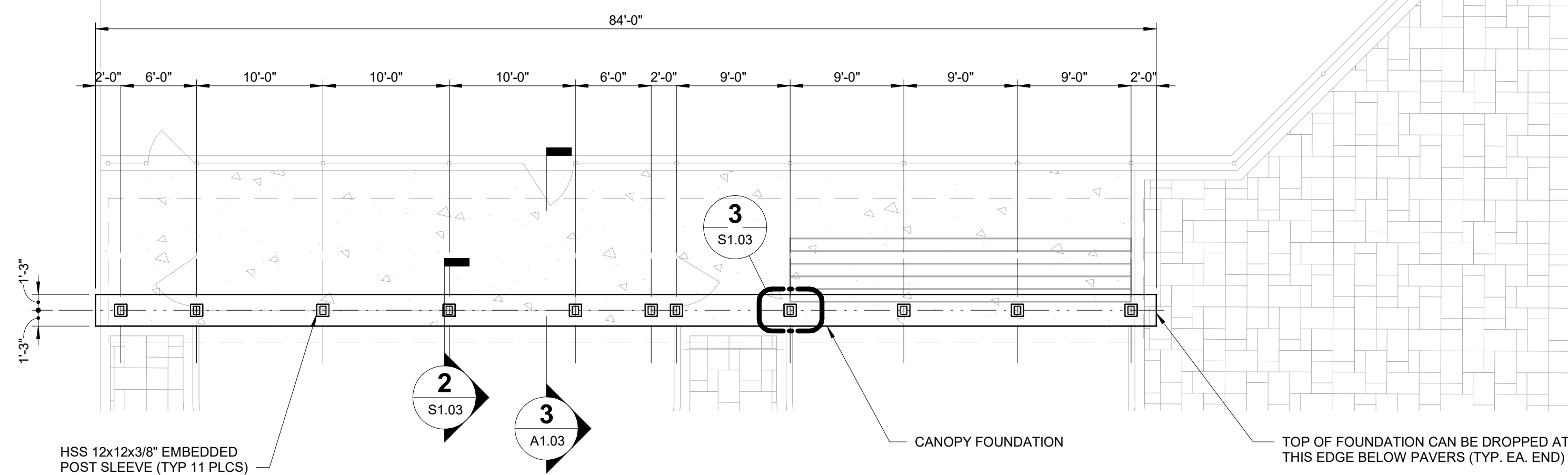
FILE NO. 37106-05

Drawing: S1.03, DUGOUT CANOPY - FOUNDATION PLAN & DETAILS  
 File: 4/14/2023 10:10:00, Guntersville Park Design 10000\_GDPDPZ\_3\_V20.rvt  
 Date: 4/14/2023 10:10:00



NOTE:  
SEE CIVILLANDSCAPE DRAWINGS FOR LOCATION OF STEEL FRAMES.

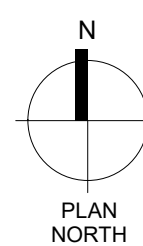
TOP OF FOUNDATION CAN BE DROPPED AT THIS EDGE BELOW PAVERS (TYP EA. END)



HSS 12x12x3/8" EMBEDDED POST SLEEVE (TYP 11 PLCS)

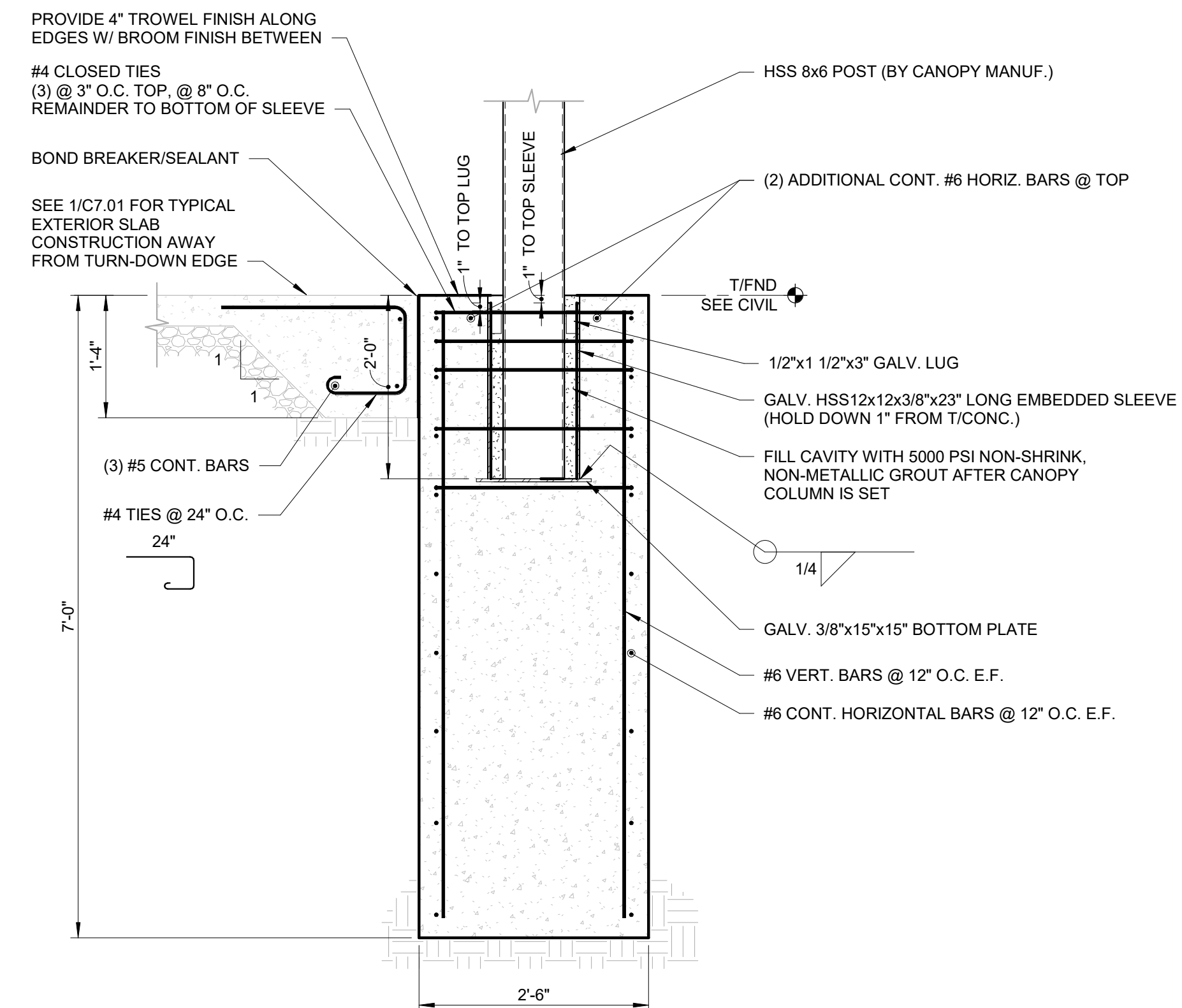
CANOPY FOUNDATION

TOP OF FOUNDATION CAN BE DROPPED AT THIS EDGE BELOW PAVERS (TYP EA. END)



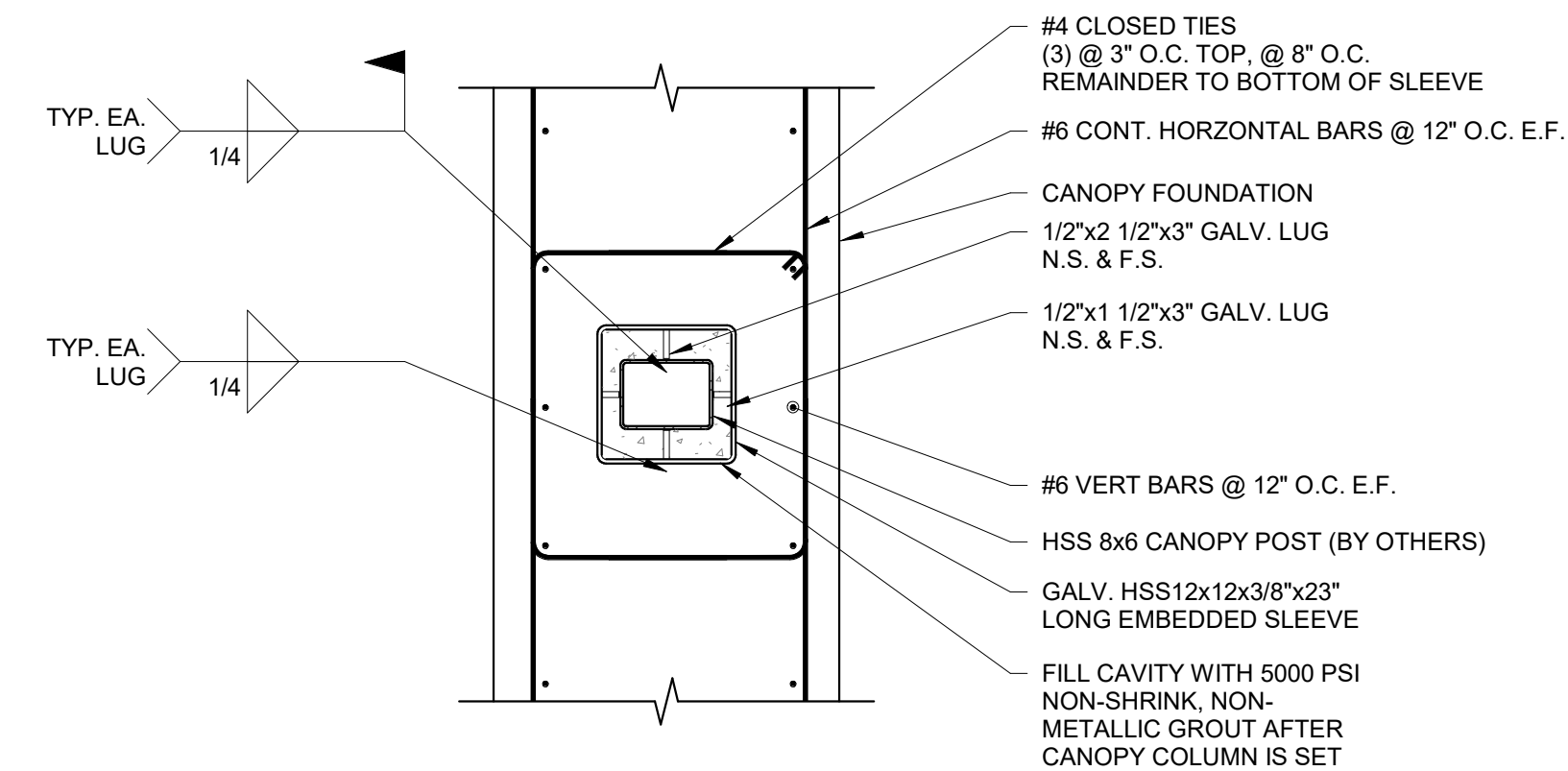
**1 PLAN - FOUNDATION (TYP. @ 2 LOCATIONS)**

S1.03 SCALE: 1/8" = 1'-0"



**2 SECTION - TIMBER FRAME FOUNDATION**

S1.03 SCALE: 3/4" = 1'-0"



**3 SECTION - PLAN**

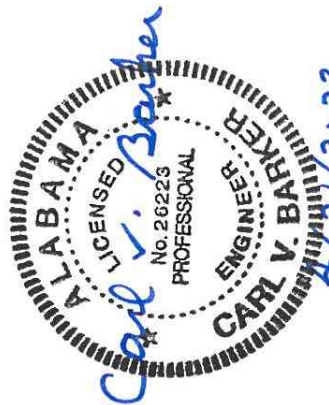
S1.03 SCALE: 3/4" = 1'-0"

**PLAN NOTES:**

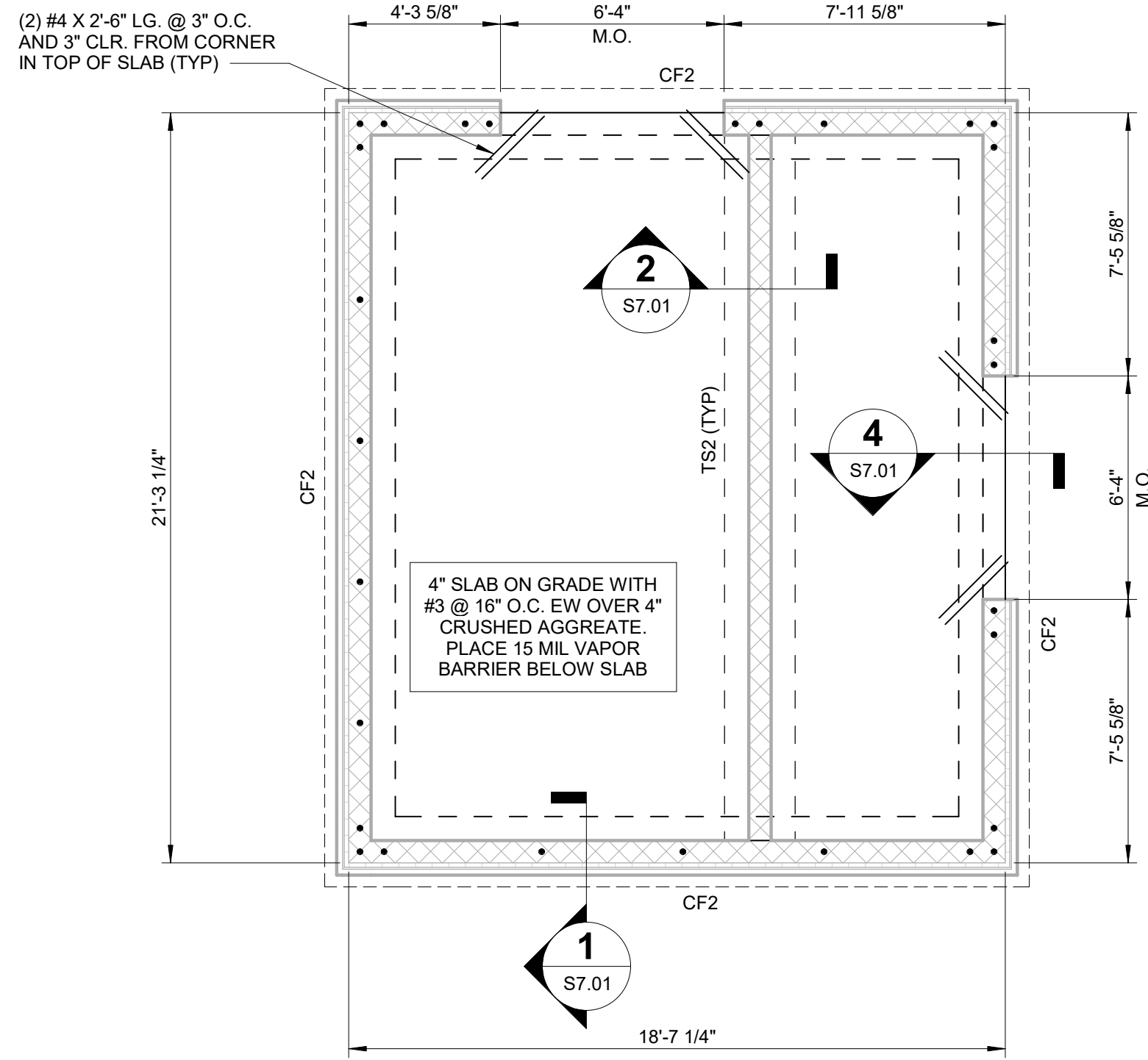
1. TIMBER CANOPY FRAMING AND CONNECTIONS SHALL BE DESIGNED BY SOUTHERN TIMBERWRIGHTS. PROVIDE SEALED DRAWINGS AND CALCULATIONS FOR THIS ENGINEER'S REVIEW.
2. TYPICAL HEAVY TIMBER CONNECTIONS SHALL BE MADE WITH EMBEDDED STEEL PLATES WITH EXPOSED BOLTS, LAG SCREWS, ETC. ALL STEEL SHALL BE GALVANIZED.
3. REFER TO CIVIL PLANS FOR SLOPE ACROSS SITE. MATCH TOP DUGOUT FOUNDATION WITH ADJACENT SLAB.
4. REFER TO SHEET A1.03 FOR DIMENSIONS AND ADDITIONAL INFORMATION REGARDING LAYOUT OF TIMBER FRAMING.

**CONTRACTORS NOTES:**

1. THE FOUNDATIONS HAVE BEEN DESIGNED BASED ON PRELIMINARY ASSUMED BASE CANOPY REACTIONS. PRIOR TO FABRICATION AND PRIOR TO ANY FOUNDATION WORK, THE ACTUAL BASE REACTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. IF, IN THE OPTION OF THE ENGINEER, THE ACTUAL REACTIONS DIFFER APPRECIABLY FROM THE ESTIMATED, THE ENGINEER SHALL REDESIGN THE FOUNDATIONS FOR THE ACTUAL REACTIONS.

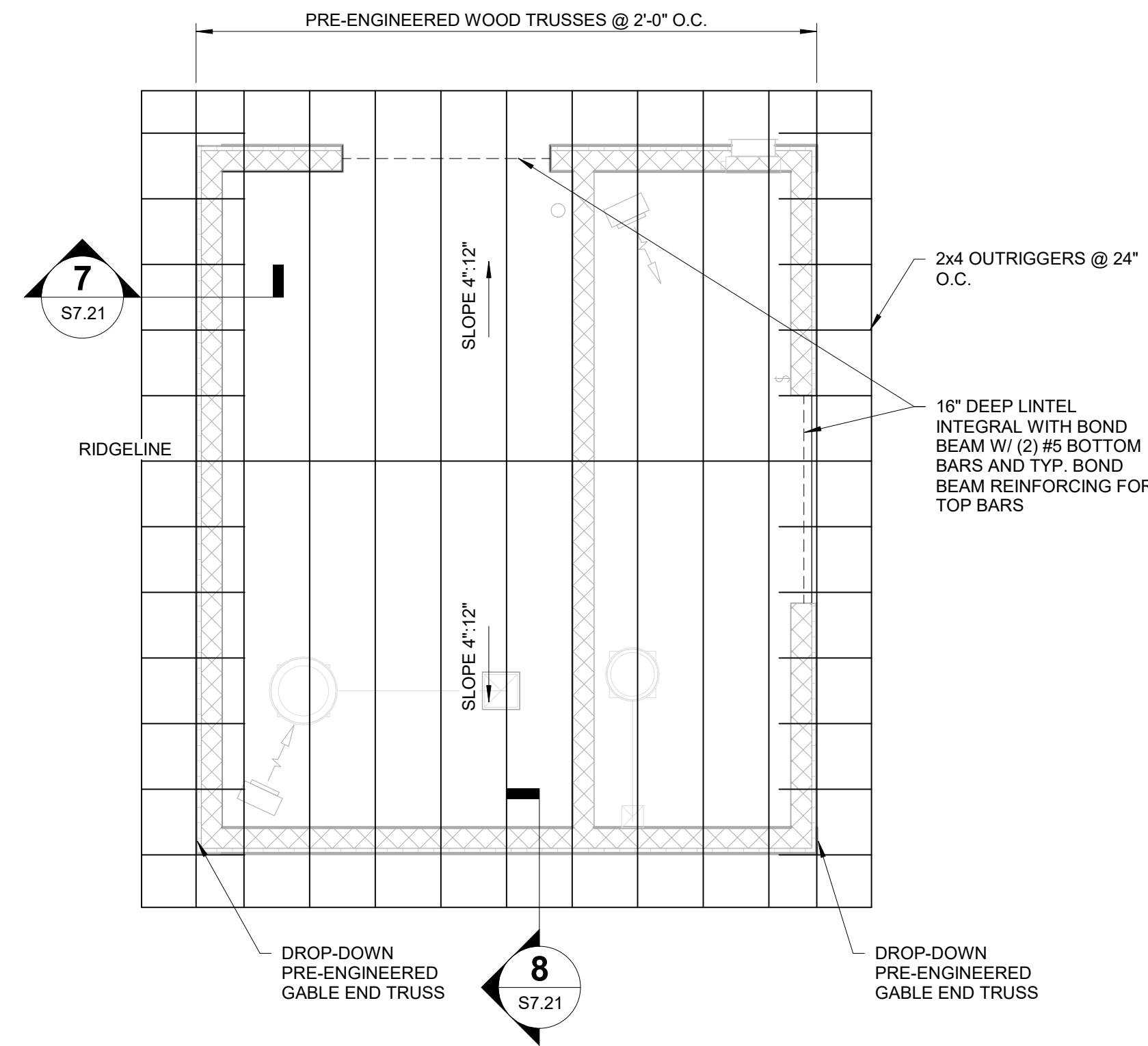


REVISION INFORMATION		DESCRIPTION
REV.	CHK. / DR. / ACM.	DATE / ISSUED FOR BID
0	ACM / CB	4/21/2023



1 PLAN - FOUNDATION  
S1.04 SCALE: 1/4" = 1'-0"

MARK	DIMENSIONS		REINFORCING	
	WIDTH	THICKNESS	BOTTOM	TOP
CF2	2' - 0"	1' - 0"	(3) #5 CONT. W/#4 TIES @ 24" OC	-
TS2	2' - 0"	1' - 0"	(3) #5 CONT. W/#4 TIES @ 24" OC	-



2 PLAN - ROOF FRAMING  
S1.04 SCALE: 1/4" = 1'-0"

FOUNDATION PLAN NOTES:

- ALL ELEVATIONS ARE BASED ON A FIRST FLOOR SLAB ELEVATION OF 0'-0". REFER TO CIVIL PLANS FOR MEAN SEA LEVEL ELEVATION.
- SEE 9 / S7.01 FOR TYPICAL CMU REINFORCEMENT AT CORNERS, JAMBS, WALLS AND CONTROL JOINTS.
- SEE 10 / S7.01 FOR CMU WALL OPENING WITH MASONRY LINTEL UNLESS SIZE/DETAILING IS NOTED OTHERWISE ON PLAN.
- "CJ" REPRESENTS CONTROL JOINT LOCATION IN CMU WALL. CONTROL JOINTS ARE ONLY SHOWN FOR EXTERIOR, BEARING, OR SHEARWALLS. TYP. INTERIOR PARTITION JOINTS ARE NOT SHOWN, BUT SHALL BE PLACED @ 24" O.C. MAX.
- REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS TO INTERIOR MASONRY WALLS AND OTHER DIMENSIONS NOT SHOWN.
- TS# AND W# INDICATES CONTINUOUS FOOTING MARK, SEE CONTINUOUS FOOTING SCHEDULE THIS SHEET.
- TOP OF FOOTING ELEVATION = -1'-4" U.N.O.

ROOF FRAMING NOTES:

- TRUSS BEARING ELEVATION = 8'-11" ABOVE FLOOR SLAB.
- TYP. MASONRY ELEVATION = 8'-8" ABOVE FLOOR SLAB.
- ROOF SHEATHING SHALL BE 1932" CDX PLYWOOD FASTEN TO SUPPORTING FRAMING W/ 10d COMMON NAILS @ 6" O.C. EDGES, 12" O.C. FIELD.
- TRUSS LAYOUT SHOWN AS SCHEMATIC. FINAL LAYOUT & DESIGN OF TRUSSES, FASTENERS, & BRACING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. DRAWINGS/CALCULATIONS SHALL BE PROVIDED FOR FINAL APPROVAL OF ENGINEER OF RECORD.
- COORDINATE TRUSS LAYOUT W/ MECHANICAL & PLUMBING RUNS.
- BOND BEAM REINFORCING AT WALL CORNERS, T-INTERSECTIONS, ETC. SHALL HAVE (2) #5 CORNER BARS LAP SPICED ON EA. SIDE OF JOINT.

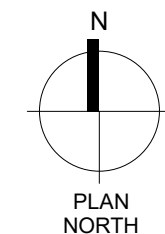
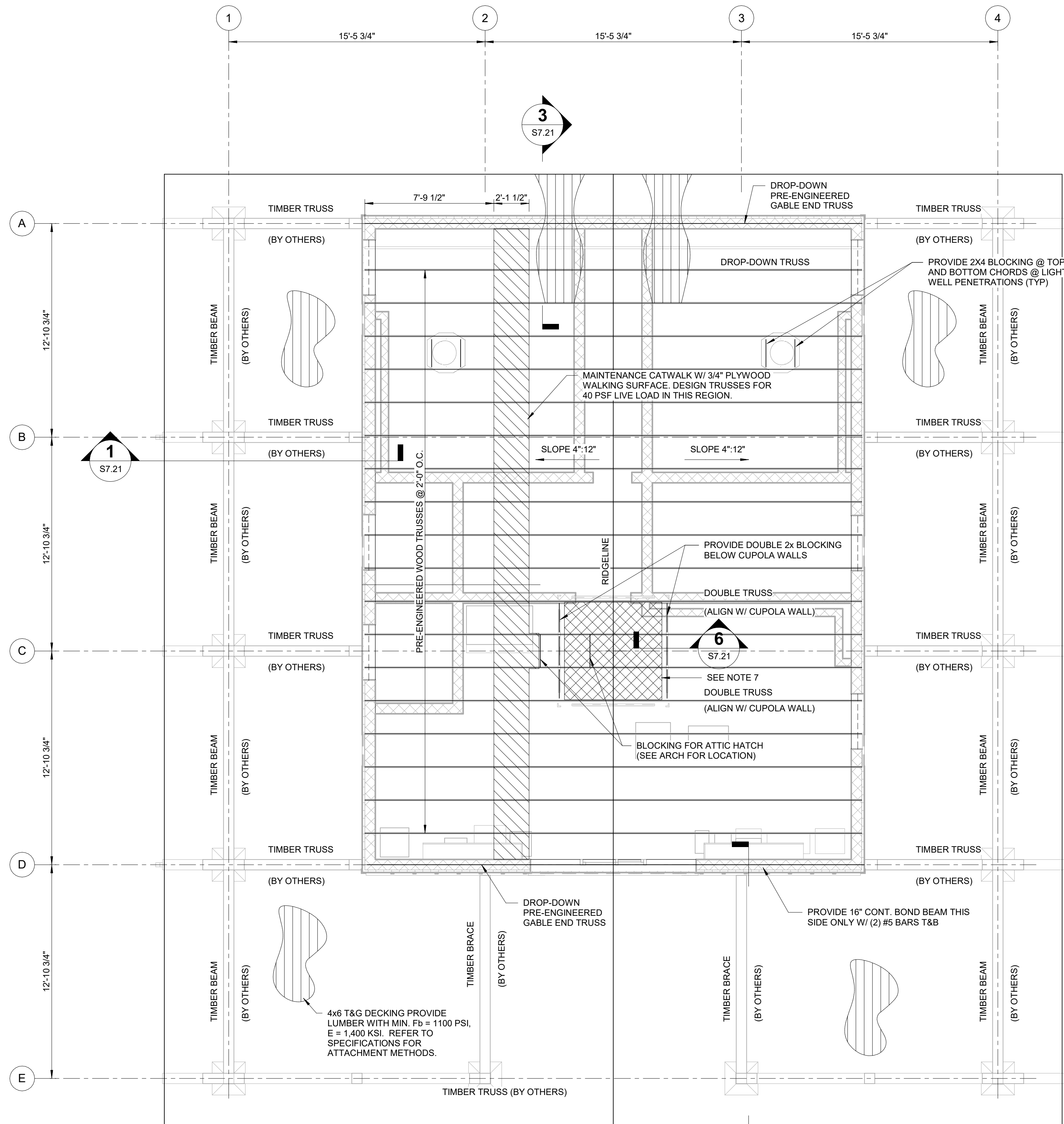
MASONRY REINFORCING SCHEDULE:

- 8" EXTERIOR CMU  
VERT. - #5 @ 48" O.C.  
JOINT - 9 GA. LADDER TYPE SPACED AT 16" O.C.  
HORIZ. - 8" BOND BEAM @ TOP OF WALL W/ (2) #5 CONT.
- 8" INTERIOR CMU  
VERT. - #4 @ 48" O.C.  
JOINT - 9 GA. LADDER TYPE SPACED AT 16" O.C.  
HORIZ. - 8" BOND BEAM @ TOP OF WALL W/ (2) #5 CONT.



REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DATE	DESCRIPTION
0	ACM	4/21/2023	ISSUED FOR BID

S2.01 CONCESSION - ROOF FRAMING PLAN  
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 Date: 01/10/2023 09:10:00



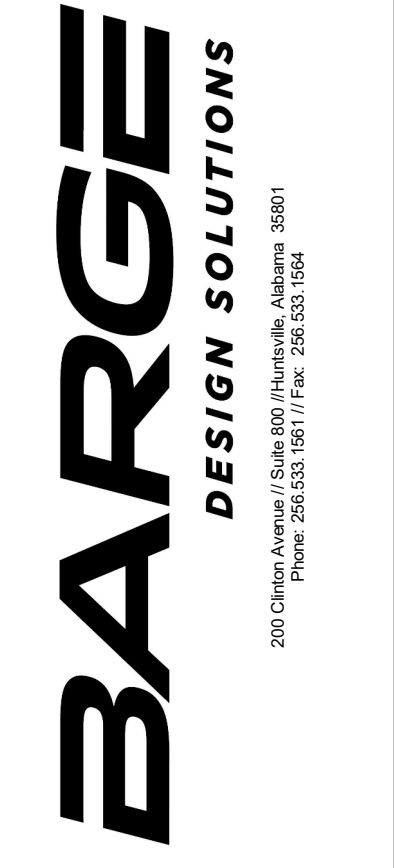
**1 PLAN - ROOF FRAMING**  
 S2.01 SCALE: 1/4" = 1'-0"

**ROOF FRAMING NOTES:**

- PRE-ENGINEERED WOOD TRUSS BEARING ELEVATION = 9'-7" ABOVE FLOOR SLAB. TYP. MASONRY ELEVATION = 9'-4" ABOVE FLOOR SLAB.
- ROOF SHEATHING SHALL BE 19/32" CDX PLYWOOD. FASTEN TO ROOF TRUSSES/TIMBER DECKING W/ 10d COMMON NAILS @ 6" O.C. EDGES, 12" O.C. FIELD.
- ROOF SHEATHING SHALL RUN CONTINUOUS OVER TIMBER DECKING.
- TRUSS LAYOUT SHOWN AS SCHEMATIC. FINAL LAYOUT & DESIGN OF TRUSSES, FASTENERS, & BRACING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. DRAWINGS/CALCULATIONS SHALL BE PROVIDED FOR FINAL APPROVAL OF ENGINEER OF RECORD.
- COORDINATE TRUSS LAYOUT W/ MECHANICAL & PLUMBING RUNS.
- NO ROOF SHEATHING TO BE INSTALLED IN SHADED REGION. TRUSS MANUF. MUST DESIGN TRUSS TOP CHORDS AS UNBRACED IN THIS AREA OR PROVIDE NECESSARY BRACING.
- HEAVY TIMBER FRAMING AND CONNECTIONS SHALL BE DESIGNED BY TIMBER MANUFACTURER'S ENGINEER. PROVIDE SEALED DRAWINGS AND CALCULATIONS FOR THIS ENGINEER'S REVIEW. BRACKETS FOR ATTACHMENTS TO MASONRY WALLS SHALL BE MADE WITH EPOXY OR SCREW TYPE POST-INSTALLED ANCHORS.
- TYPICAL HEAVY TIMBER CONNECTIONS SHALL BE MADE WITH EMBEDDED STEEL PLATES WITH EXPOSED BOLTS, LAG SCREWS, ETC. ALL STEEL SHALL BE GALVANIZED.
- BOND BEAM REINFORCING AT WALL CORNERS, T-INTERSECTIONS, ETC. SHALL HAVE (2) #5 CORNER BARS LAP SPLICED ON EA. SIDE OF JOINT. SEE 10 / S7.01 FOR CMU WALL OPENING WITH MASONRY LINTEL UNLESS SIZE/DETAILING IS NOTED OTHERWISE ON PLAN.

**MASONRY REINFORCING SCHEDULE:**

- 8" EXTERIOR CMU**  
 VERT. - #5 @ 32" O.C.  
 JOINT - 9 GA. LADDER TYPE SPACED AT 16" O.C.  
 HORIZ. - 8" BOND BEAM @ TOP OF WALL W/ (2) #5 CONT.
- 8" INTERIOR CMU**  
 VERT. - #4 @ 48" O.C.  
 JOINT - 9 GA. LADDER TYPE SPACED AT 16" O.C.  
 HORIZ. - 8" BOND BEAM @ TOP OF WALL W/ (2) #5 CONT.

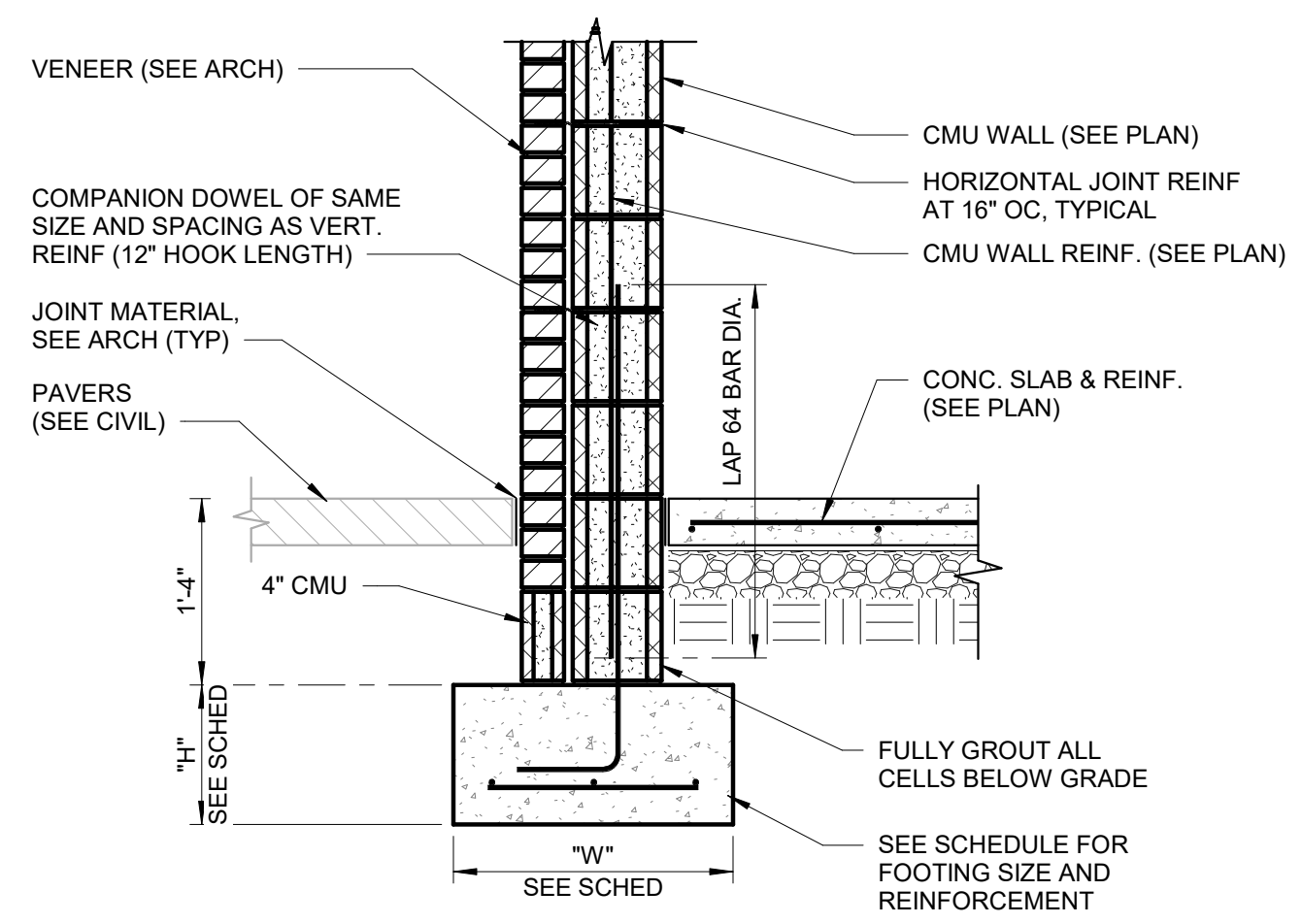


CONCESSION - ROOF FRAMING PLAN  
 CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

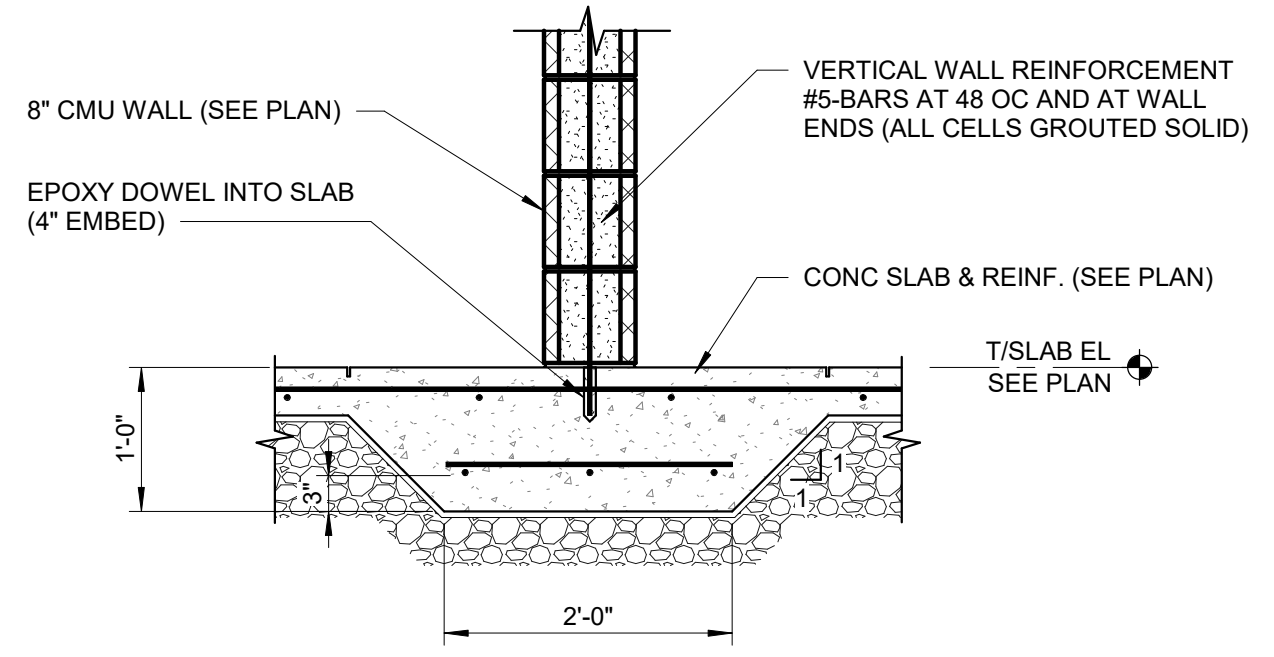
REVISION INFORMATION		DESCRIPTION
REV.	CHK.	DATE
0	ACM	4/21/2023
	CB	
		ISSUED FOR BID

**S2.01**  
 FILE NO. 37106-05

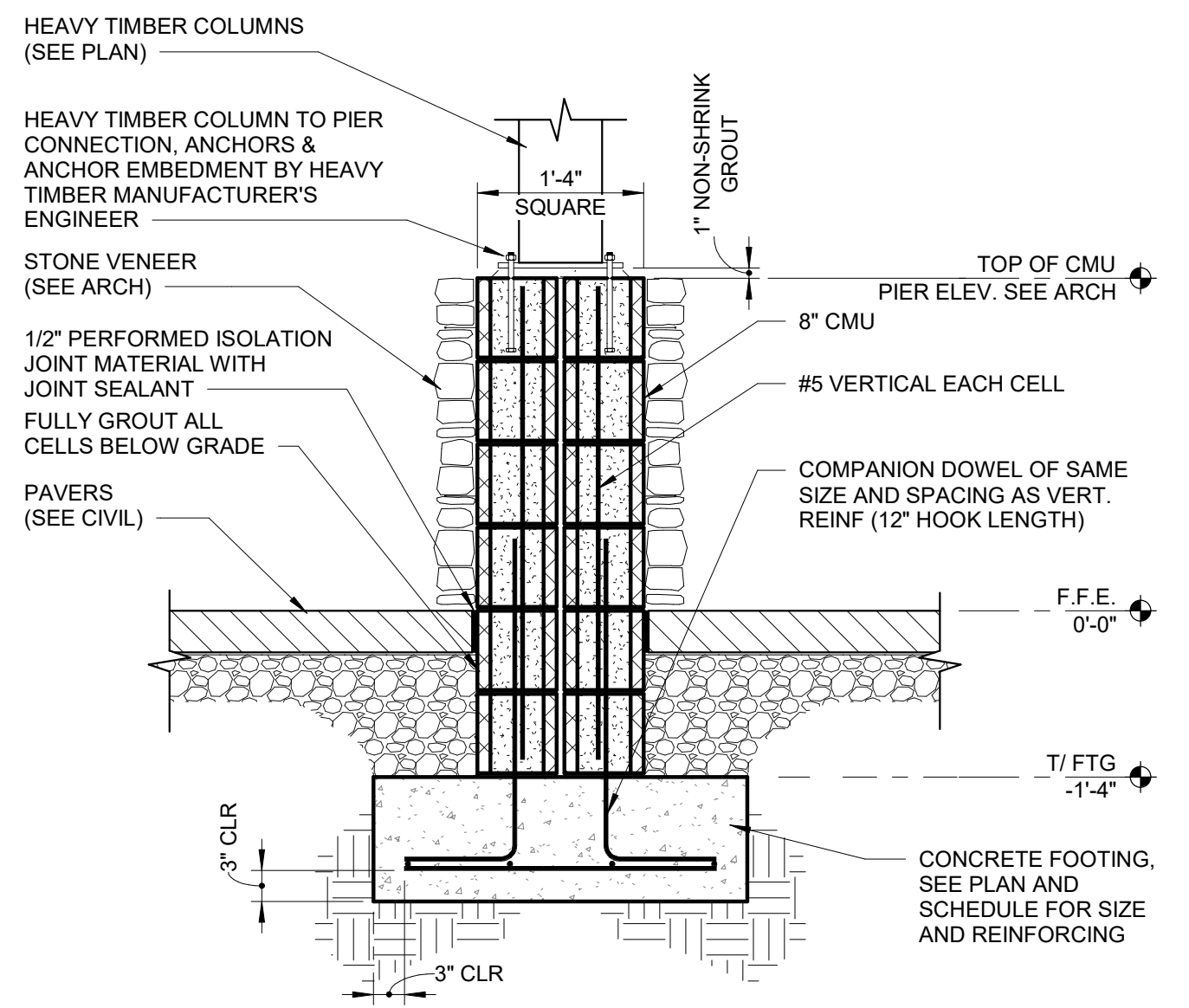




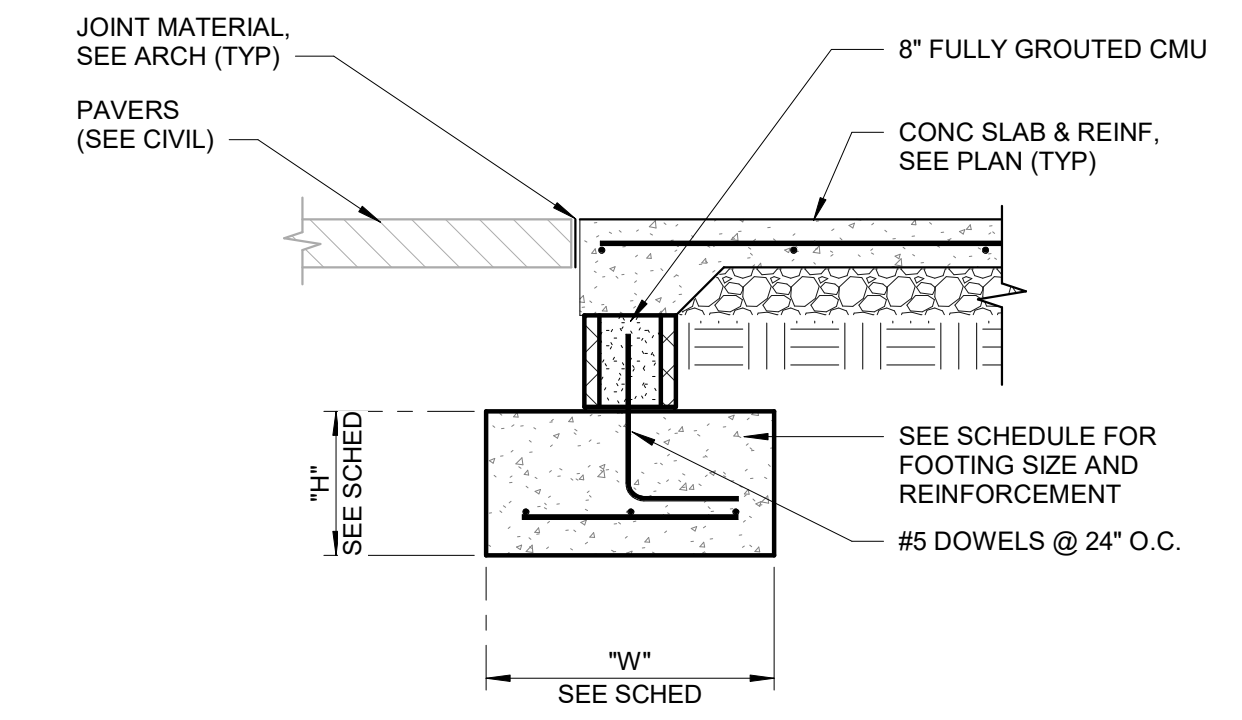
**1 SECTION - CMU WALL W/ VENEER**  
S7.01 SCALE: 3/4" = 1'-0"



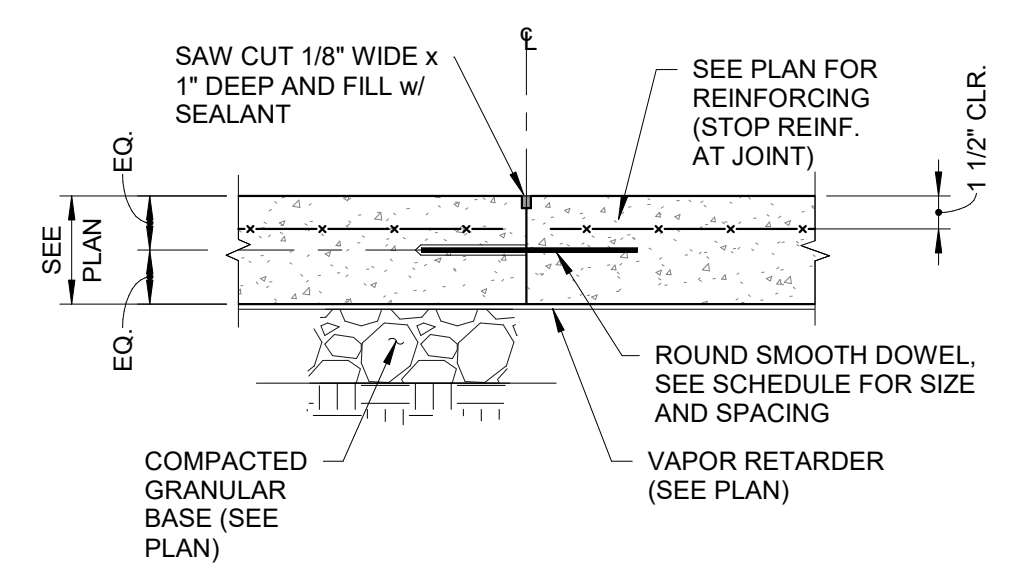
**2 SECTION - THICKENED SLAB**  
S7.01 SCALE: 3/4" = 1'-0"



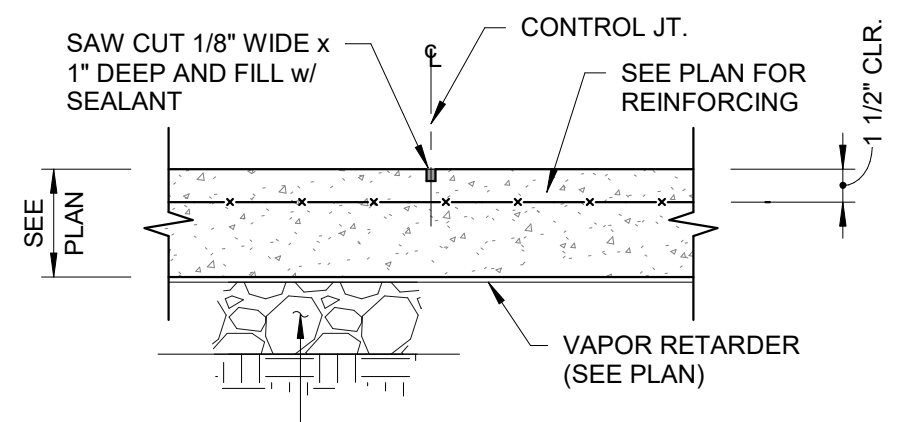
**3 SECTION - COLUMN FOUNDATION**  
S7.01 SCALE: 3/4" = 1'-0"



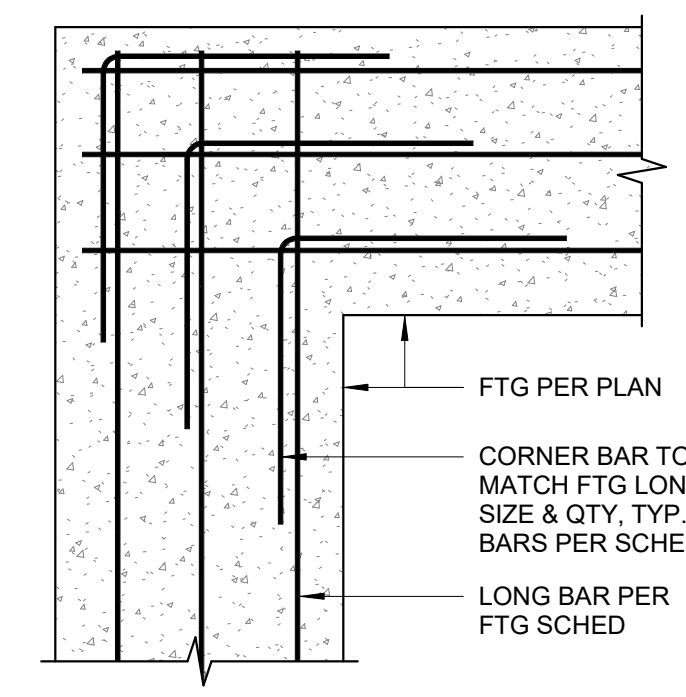
**4 SECTION - SLAB @ DOOR OPENING**  
S7.01 SCALE: 3/4" = 1'-0"



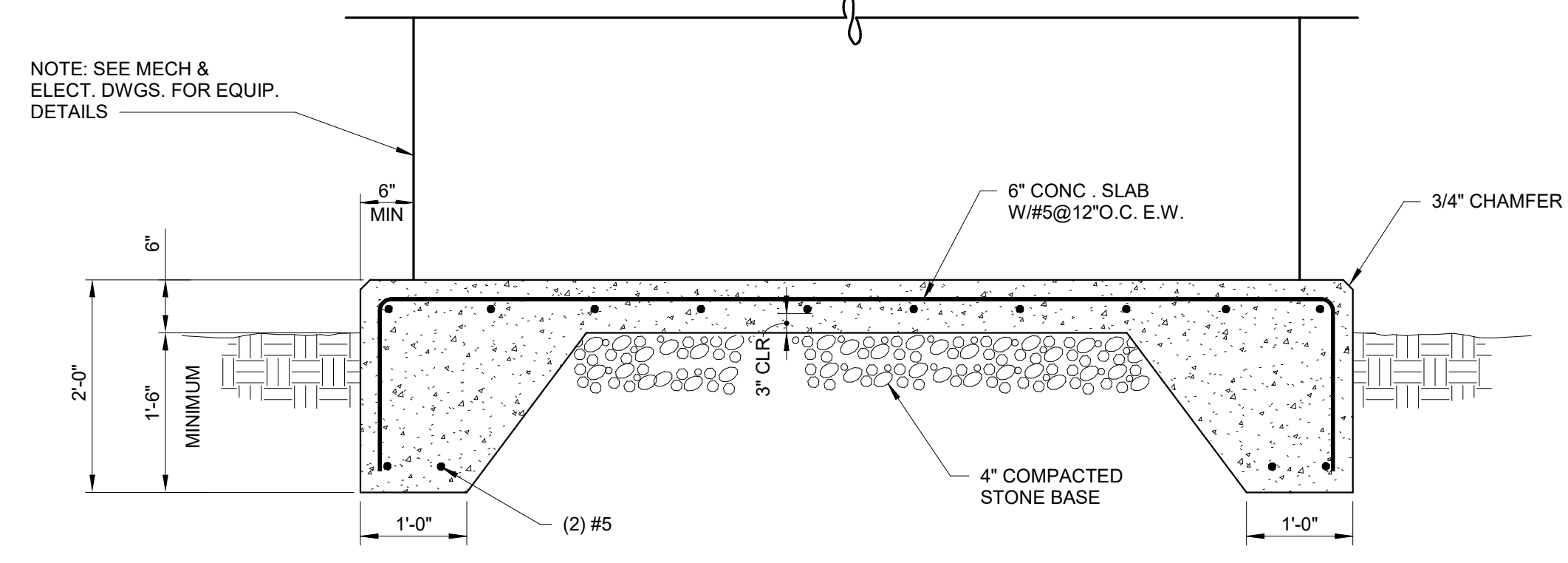
**5 (OPTIONAL) SLAB CONSTRUCTION JOINT**  
S7.01 SCALE: 3/4" = 1'-0"



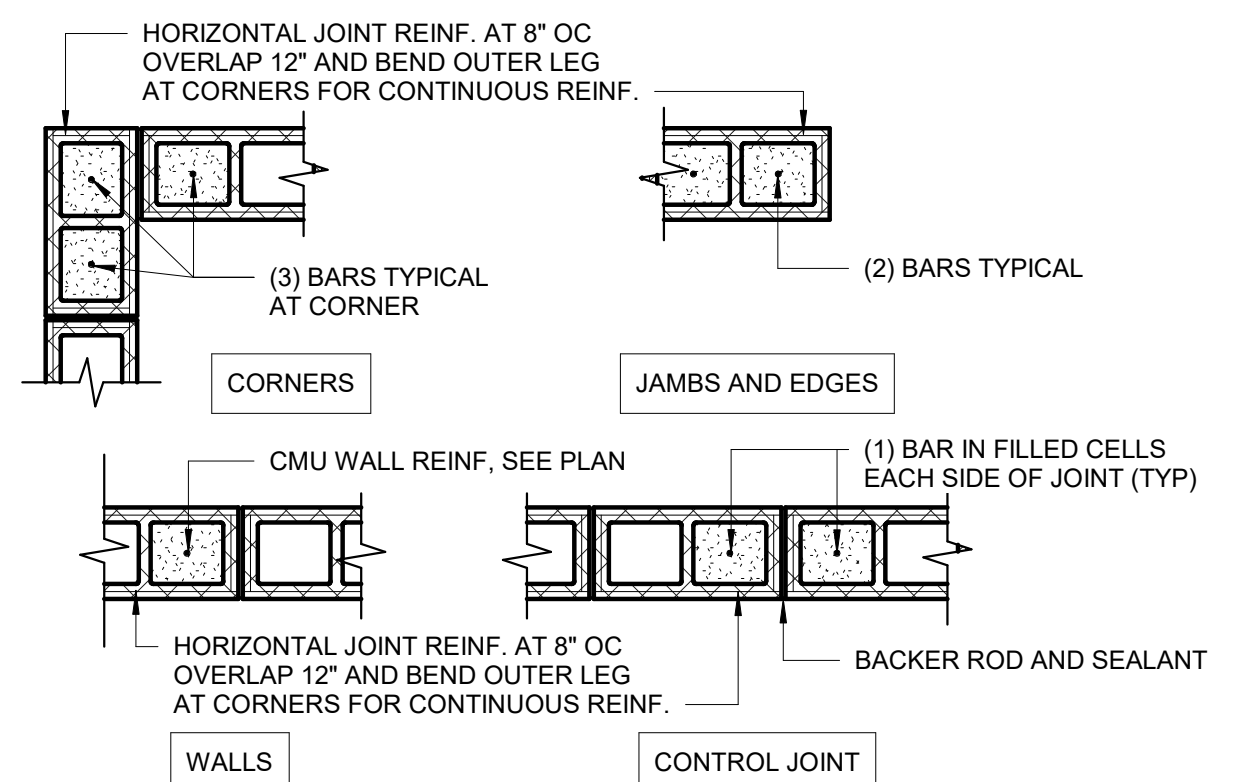
**6 TYPICAL SLAB CONTROL JOINT**  
S7.01 SCALE: 3/4" = 1'-0"



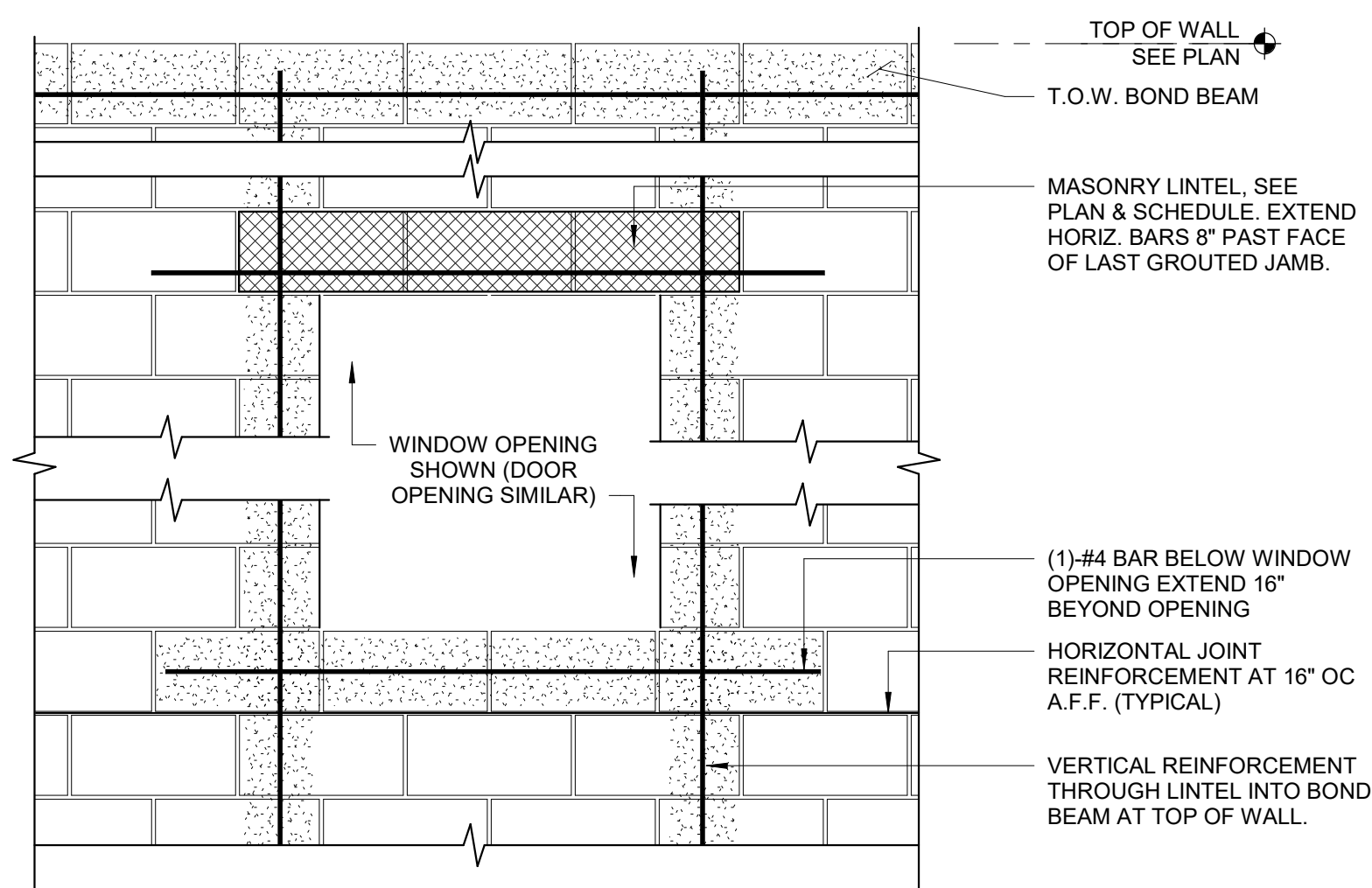
**7 TYPICAL FOOTING CORNER BARS**  
S7.01 NTS



**8 TYPICAL EXTERIOR EQUIPMENT PAD**  
S7.01 NTS

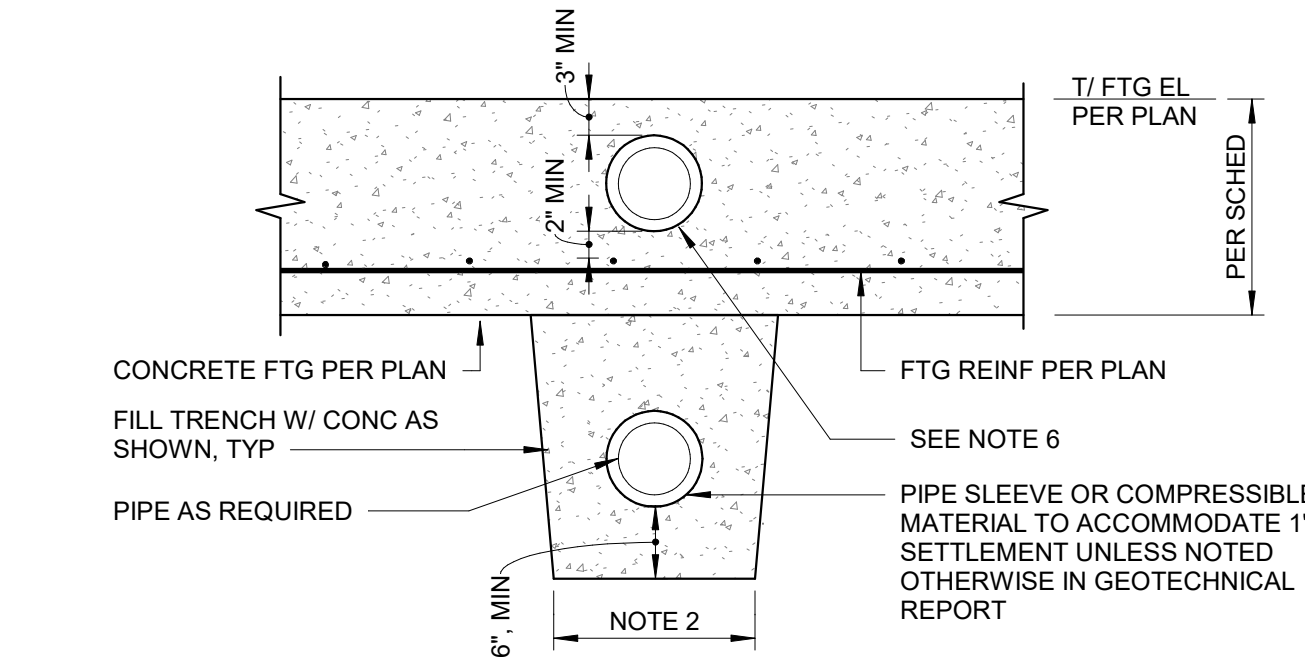


**9 TYPICAL CMU REINFORCEMENT (SHORT-FORM)**  
S7.01 NTS



**10 CMU WALL OPENING WITH MASONRY LINTEL**  
S7.01 NTS

MASONRY OPENING	LINTEL SIZE	LINTEL REINFORCEMENT	LINTEL BEARING
3'-4" OR LESS (U.N.O.)	8"Hx8"W	(2)-#5 BAR	8"
ABOVE 3'-4" TO 6'-4"	16"Hx8"W	(4)-#5 BAR (2-TOP, 2-BOTT)	16"
ABOVE 6'-4" TO 8'-0"	24"Hx8"W	(4)-#5 BAR (2-TOP, 2-BOTT)	16"

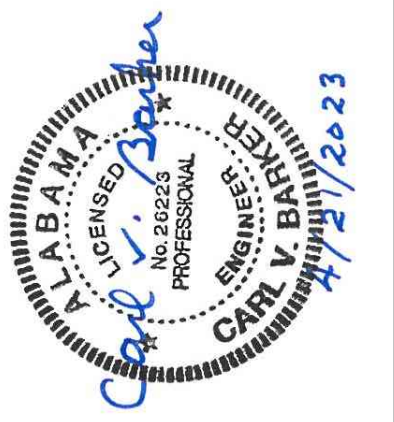


- NOTES:**
- IF PIPE IS GREATER THAN 4'-0" BELOW BOTTOM OF FOOTING, NO CONCRETE TRENCH SHALL BE REQUIRED.
  - TRENCH WIDTH TO EQUAL FOOTING WIDTH ABOVE.
  - FTG & TRENCH MAY BE POURED MONOLITHICALLY @ CONTRACTORS OPTION.
  - FOR PIPES RUNNING PARALLEL TO STRIP FOOTINGS, FOOTING DEPTH AND PIPE LOCATION SHALL BE COORDINATED SO THAT THE PIPE IS NOT WITHIN THE FTG LOAD DISTRIBUTION THAT EXTENDS AT 45 DEGREE ANGLE OUT FROM THE BOTTOM EDGE OF THE FOOTING.
  - PIPES MAY BE PLACED BETWEEN THE FOOTING AND THE SLAB ON GRADE THROUGH THE STEM WALL AS LONG AS A PROPER PIPE SLEEVE IS PROVIDED TO ACCOUNT FOR 1" MIN VERTICAL MOVEMENT.
  - FOR PIPES RUNNING THROUGH FOOTING, PIPE SHALL PASS ABOVE FOOTING REINF. DO NOT BREAK FOOTING REINF. MAINTAIN 3" MIN CONCRETE COVER, MAINTAIN 2" OF CONCRETE BETWEEN PIPE SLEEVE AND REINFORCEMENT, MIN.

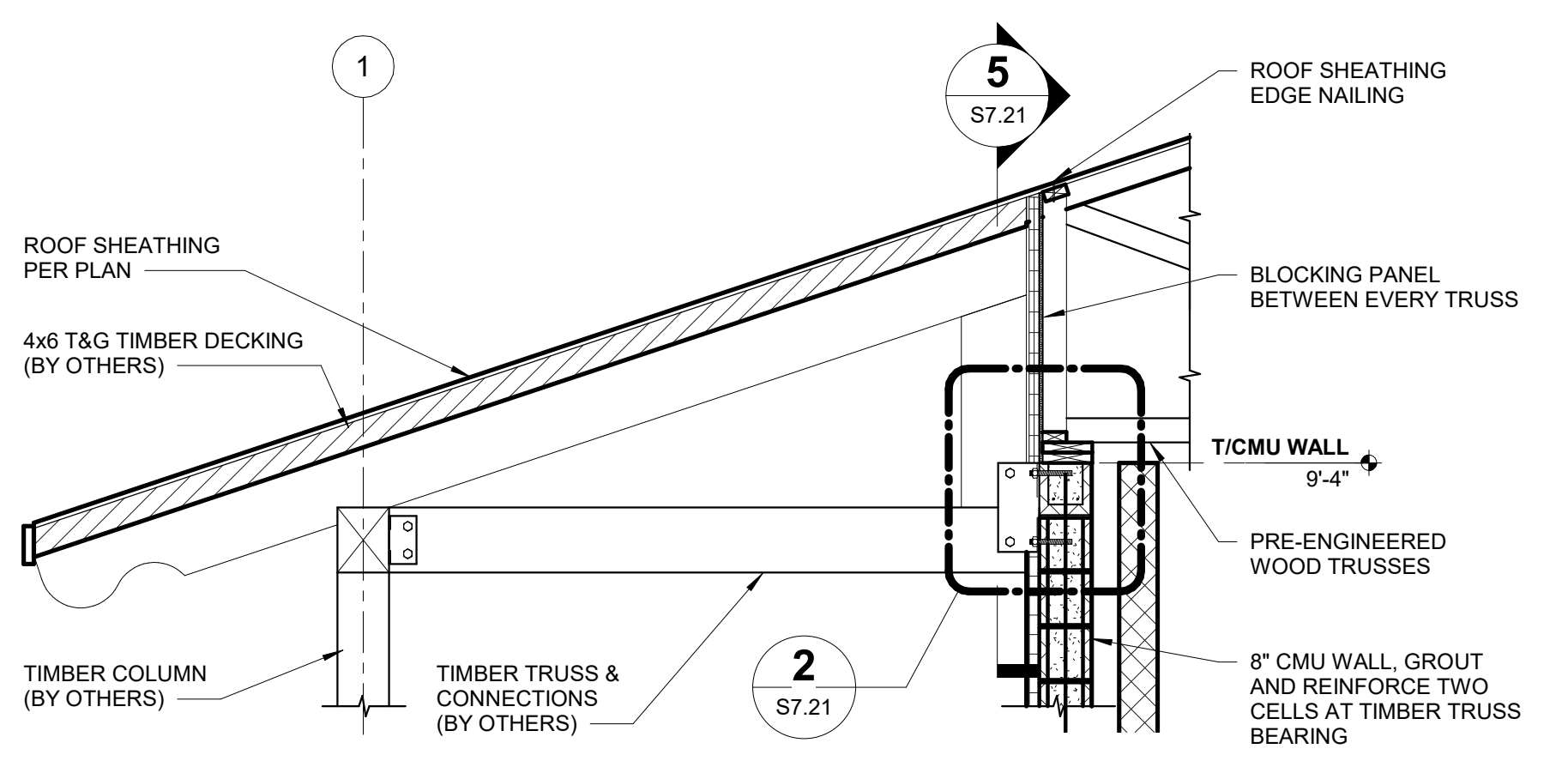
**11 TYPICAL PIPE PENETRATION DETAIL**  
S7.01 NTS

ST-01.L FOUNDATION DETAILS  
REV: 02/2023  
DATE: 4/21/2023  
ISSUED FOR BID

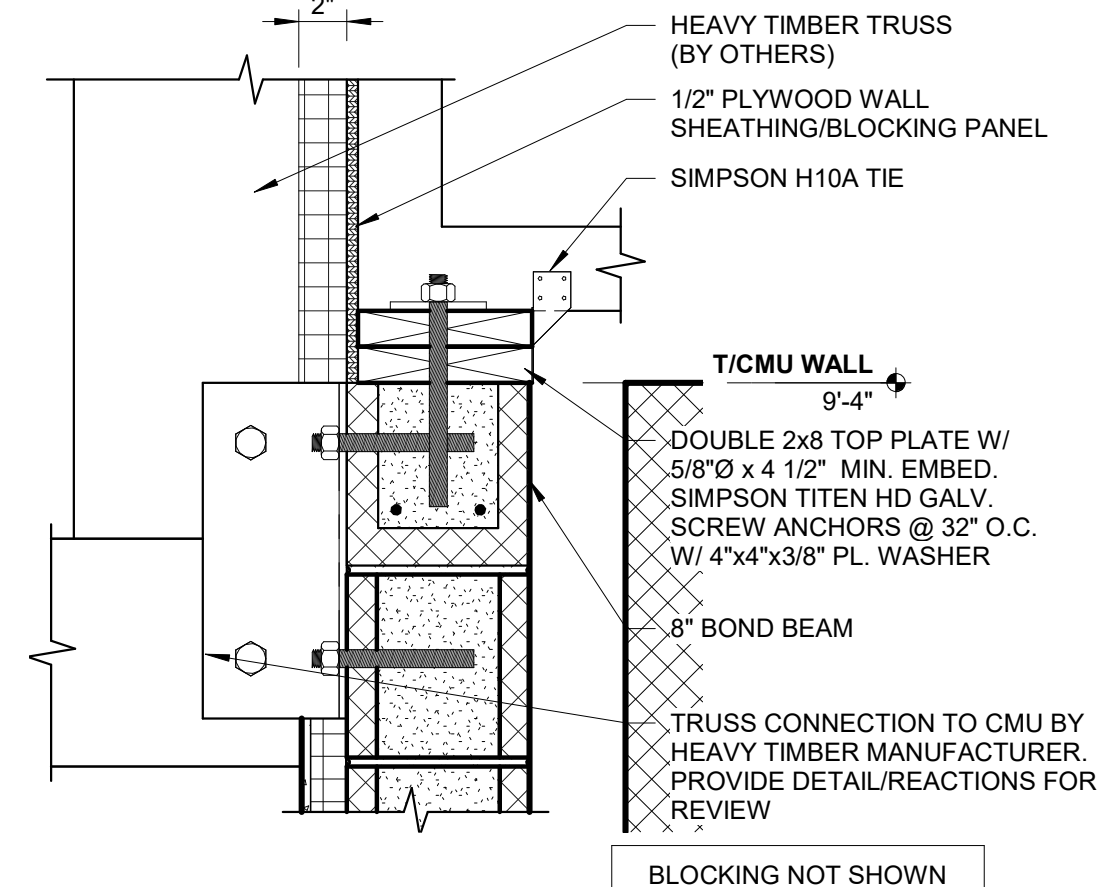
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0	ACM	CB	4/21/2023	ISSUED FOR BID



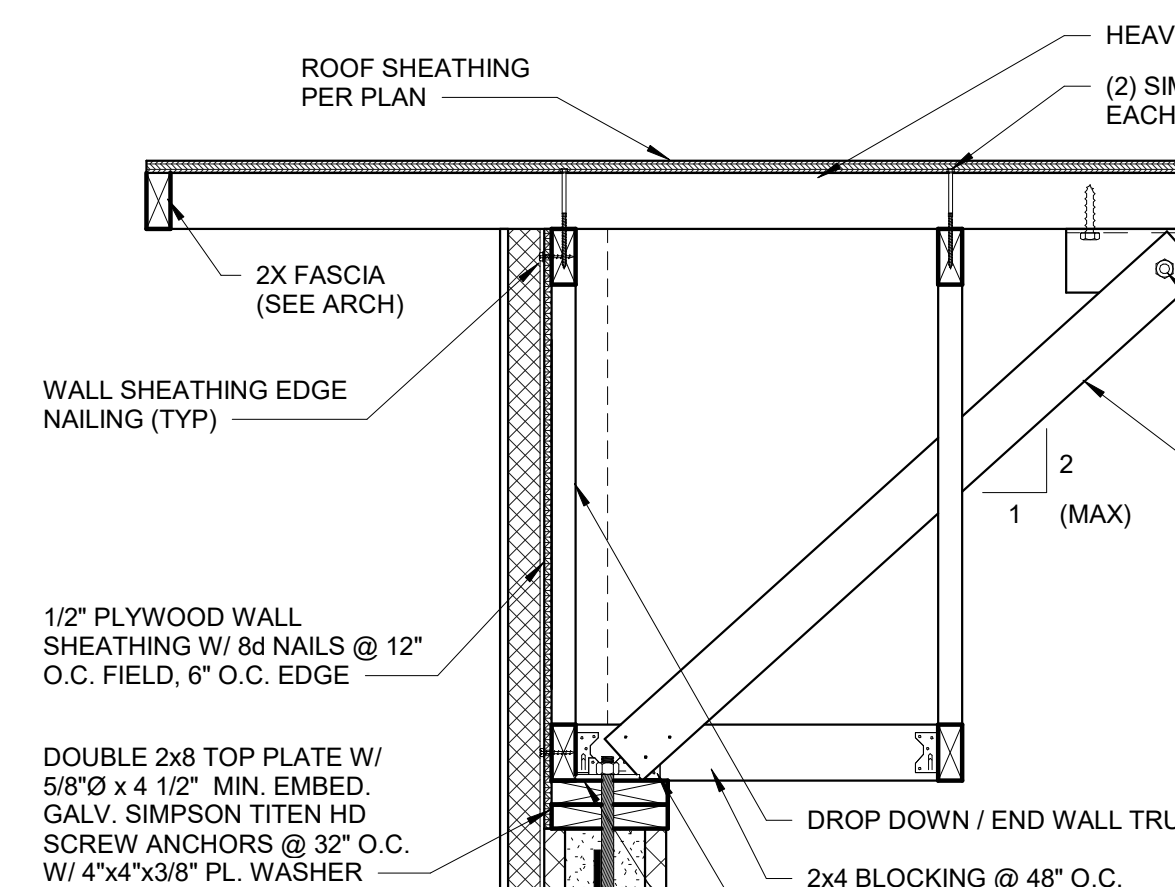
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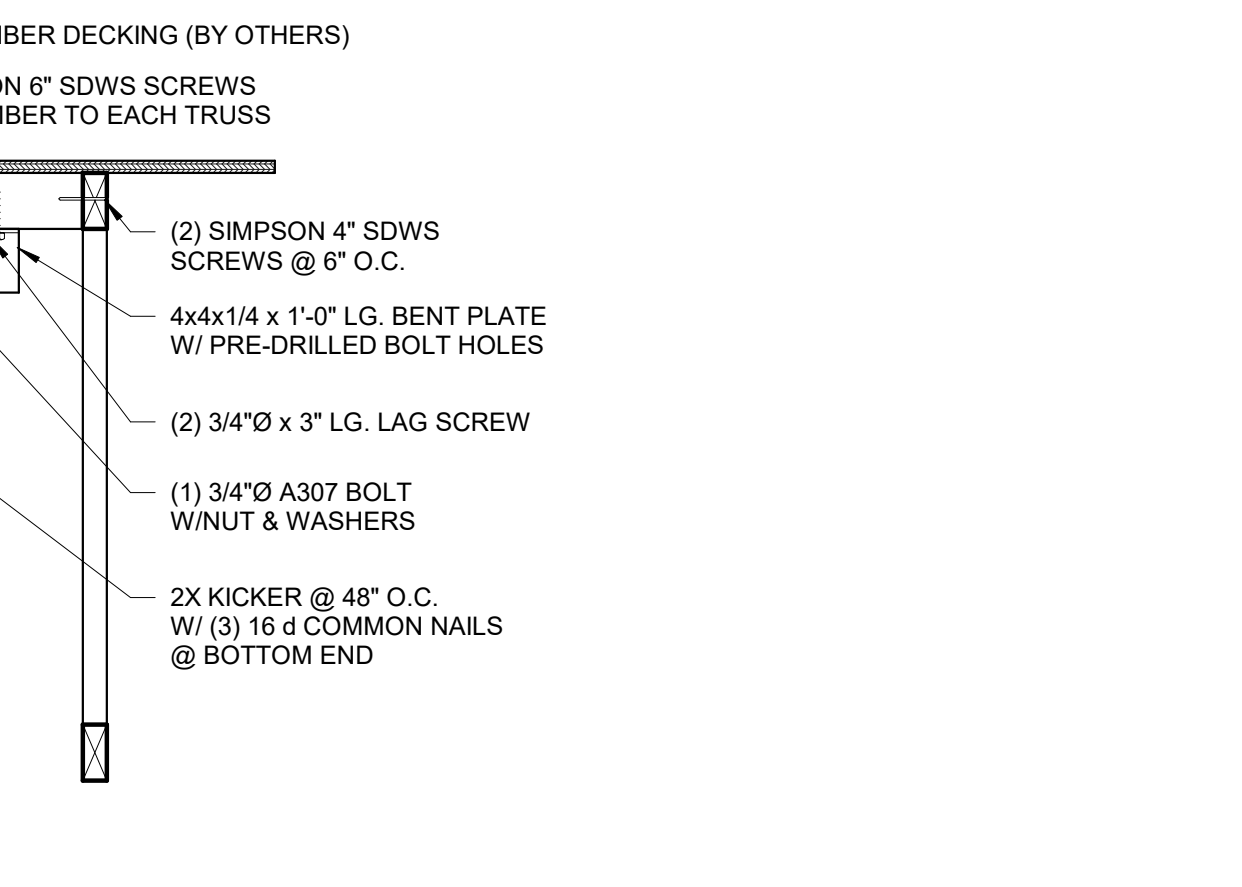
**1 SECTION**  
S7.21 SCALE: 1/2" = 1'-0"



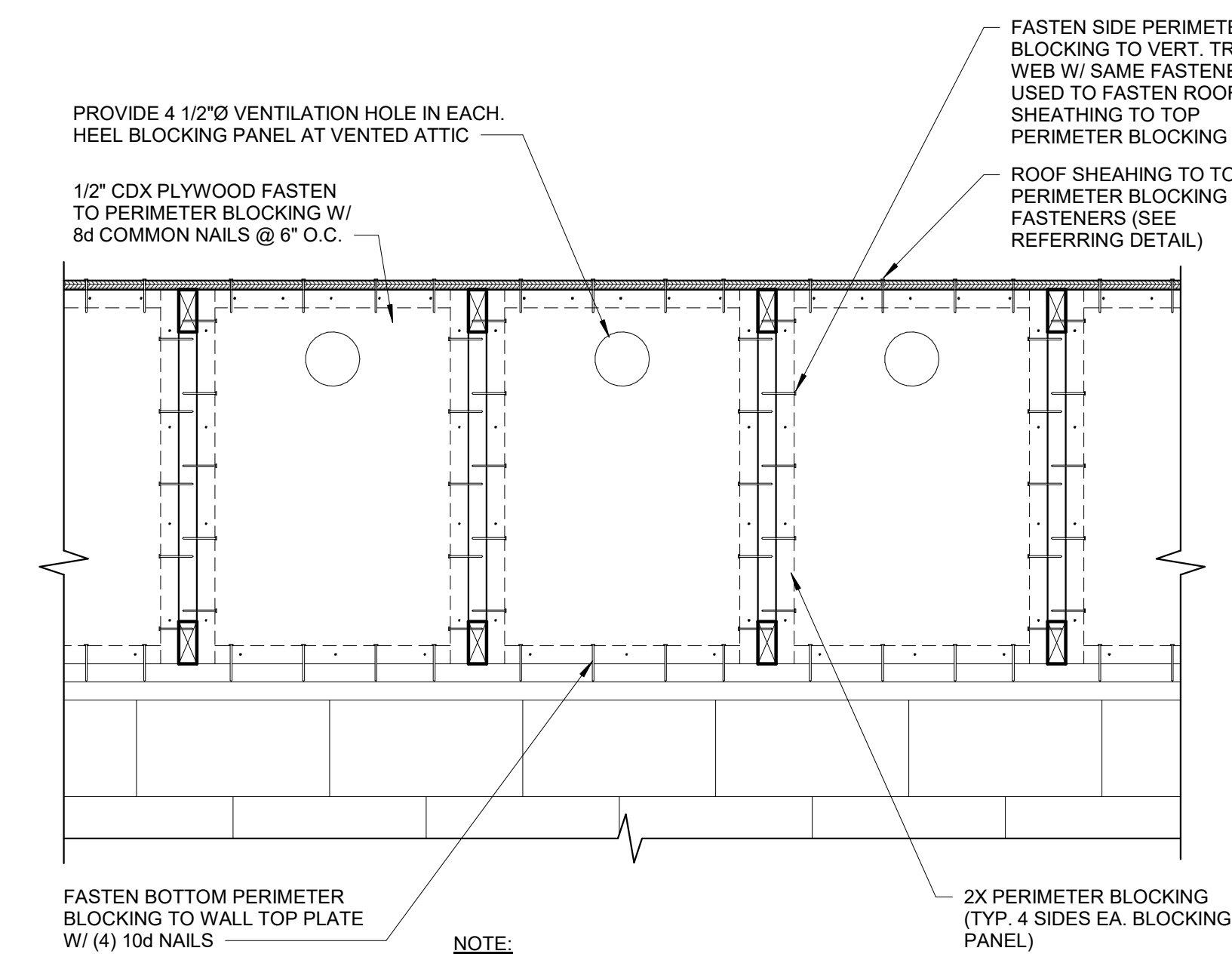
**2 DETAIL - CMU WALL BEARING**  
S7.21 SCALE: 1 1/2" = 1'-0"



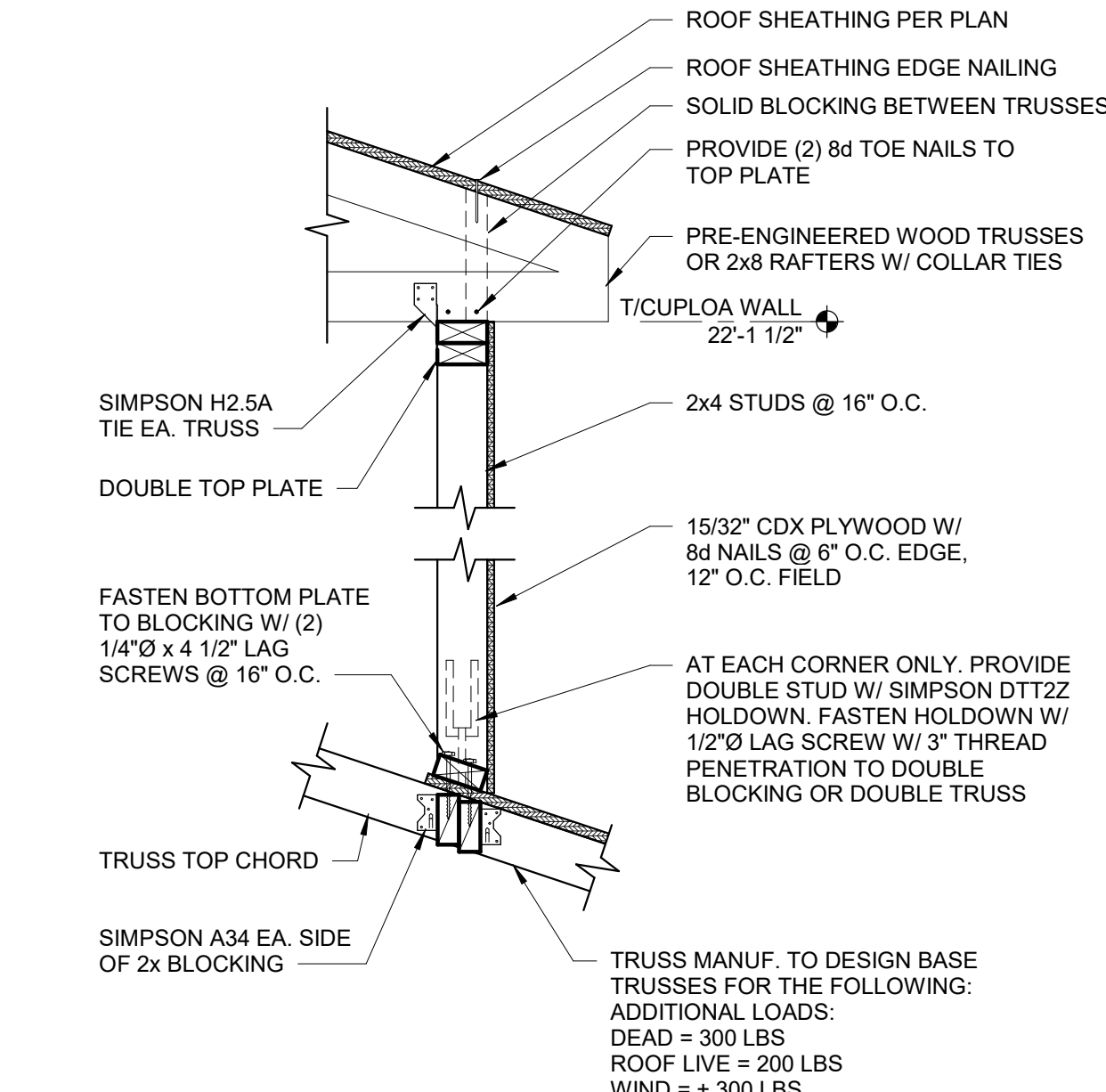
**3 SECTION - ENDWALL ROOF**  
S7.21 SCALE: 1" = 1'-0"



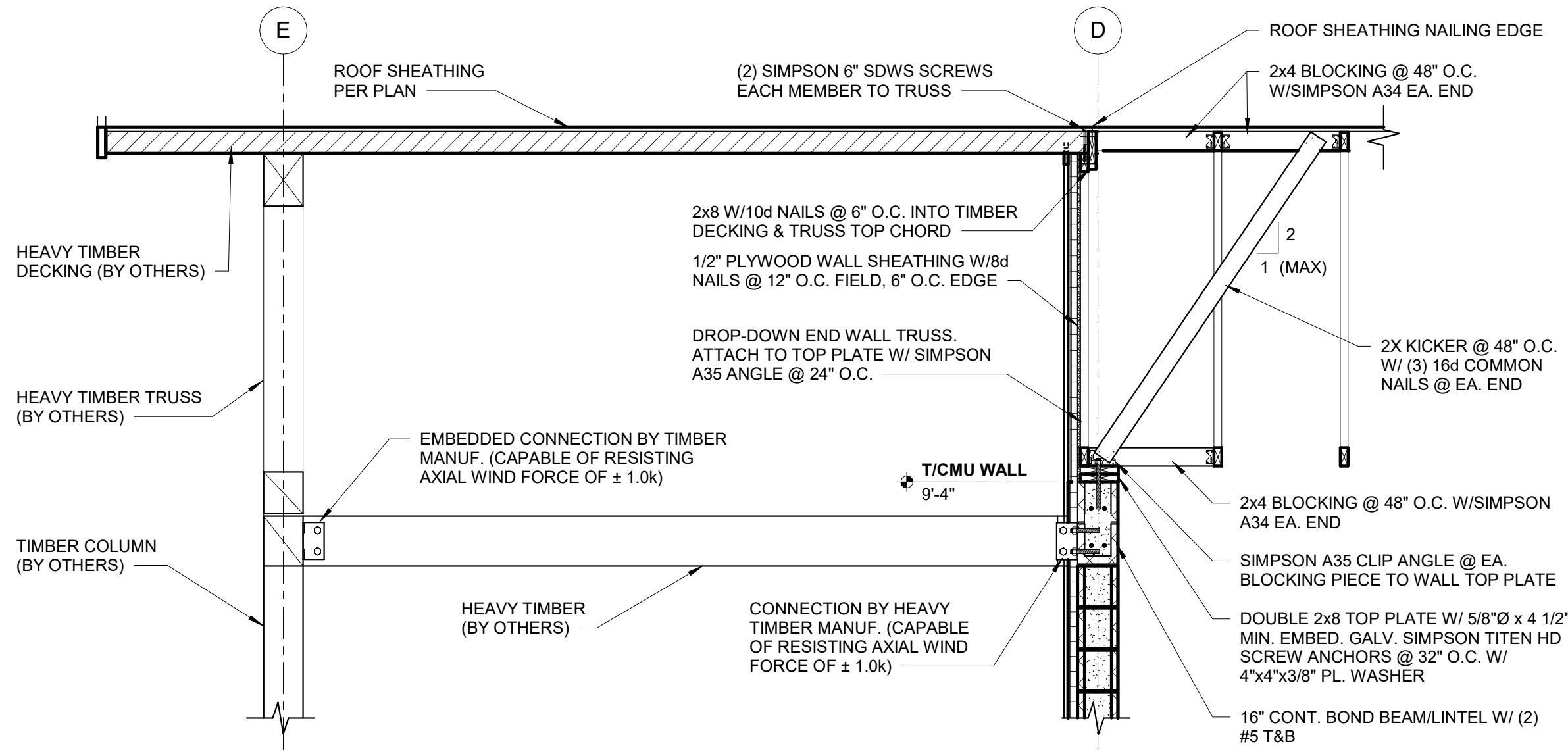
**4 SECTION - ENDWALL @ HEAVY TIMBER ROOF**  
S7.21 SCALE: 1/2" = 1'-0"



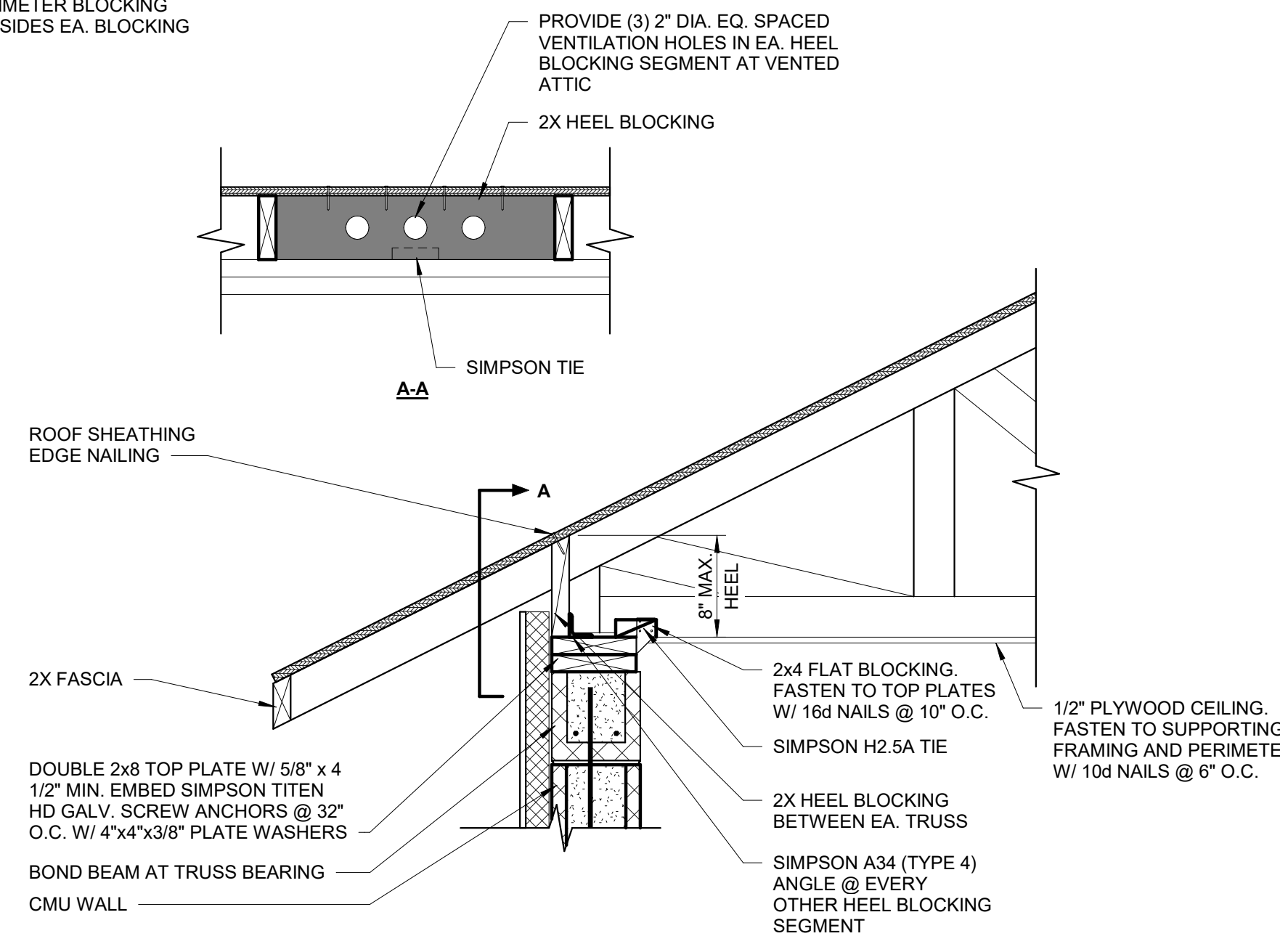
**5 SECTION - SIDEWALL @ ROOF**  
S7.21 NTS



**6 SECTION - CUPOLA STRUCTURE**  
S7.21 SCALE: 1" = 1'-0"

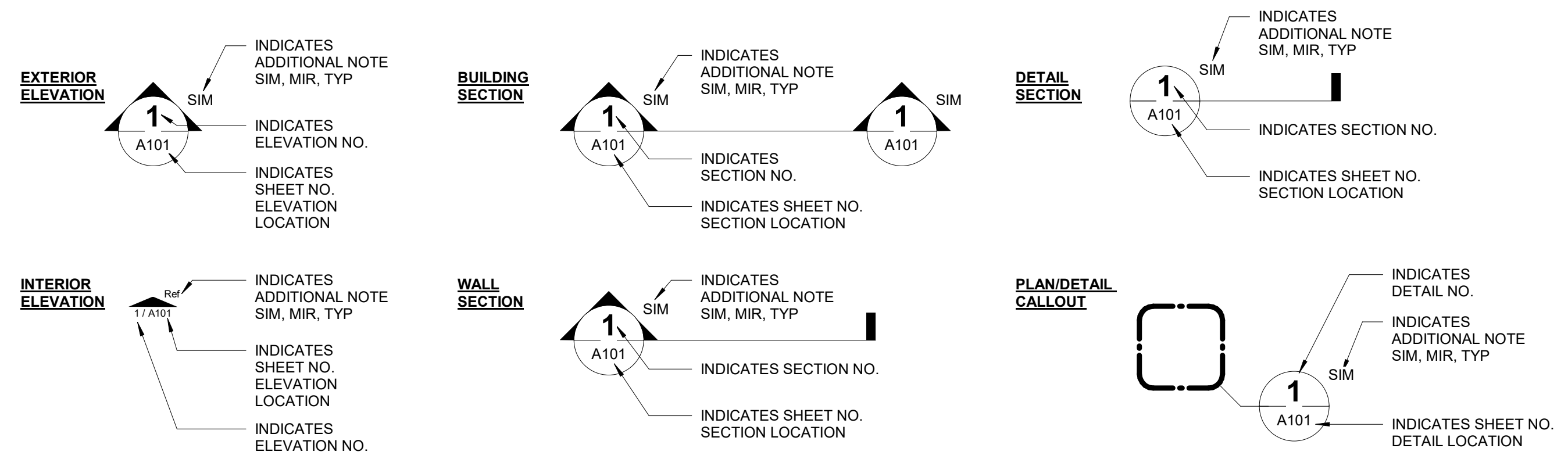


**7 SECTION - ENDWALL ROOF SPLASH PAD BLDG**  
S7.21 SCALE: 1" = 1'-0"



**8 SECTION - SPLASH PAD ROOF**  
S7.21 SCALE: 1" = 1'-0"

DRAWING: S7.21, FRAMING DETAILS, 04/21/2023, 10:00 AM - Gunterville Park Design 37106-05\_GDPDCZ\_S\_V2.rvt  
FILE: S7.21.rvt  
DATE: 4/21/2023 10:00 AM

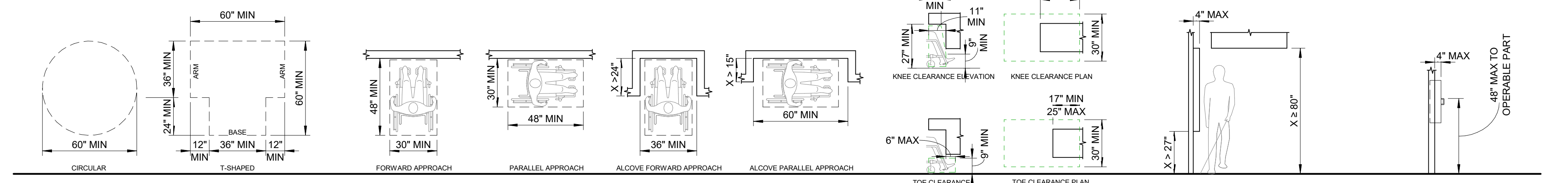


<b>DOOR TAG</b>	101
<b>KEY NOTE</b>	?
<b>REVISION TAG</b>	1 VE--
<b>ROOM TAG</b>	Room name 101
<b>WALL TYPE</b>	G12-2F
<b>WINDOW TAG</b>	1t

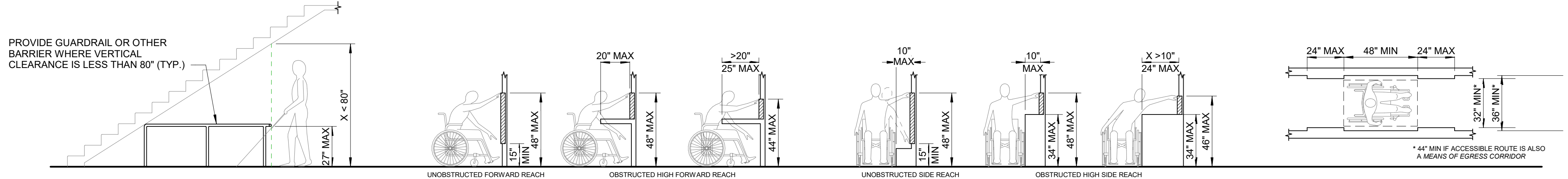
**GENERAL PROJECT NOTES**

- A. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT, IN A TIMELY MANNER TO AVOID DELAYS, BEFORE CONTINUING WITH CONSTRUCTION.
- B. ALL TYPICAL INTERIOR STUDS TO BE MIN 20 GA BY WIDTH INDICATED ON WALL RATINGS AND TYPES DRAWINGS. GAUGE, FLANGE SIZE, AND SPACING TO BE PER MANUF SPECIFIC LOAD TABLE, BASED ON 5 PSF LATERAL LOAD (UNO), FOR MAX VERT SPAN.
- C. EXTEND ALL SMOKE AND RATED PARTITIONS TO DECK ABOVE. FILL ALL VOIDS WITH SEALANT AS REQUIRED AND CAULK CONTINUOUS FOR A SMOKE/TIGHT SEAL.

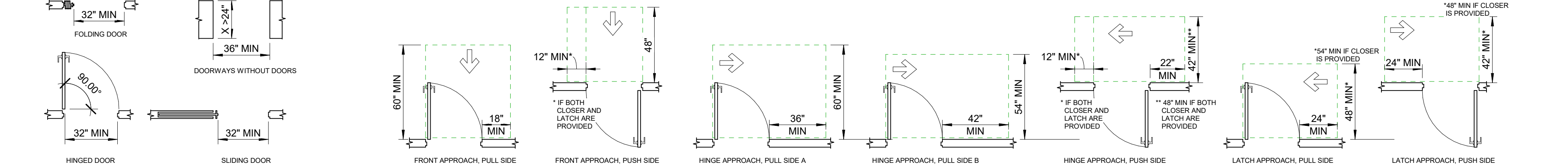
**ANNOTATION SYMBOL LEGEND**



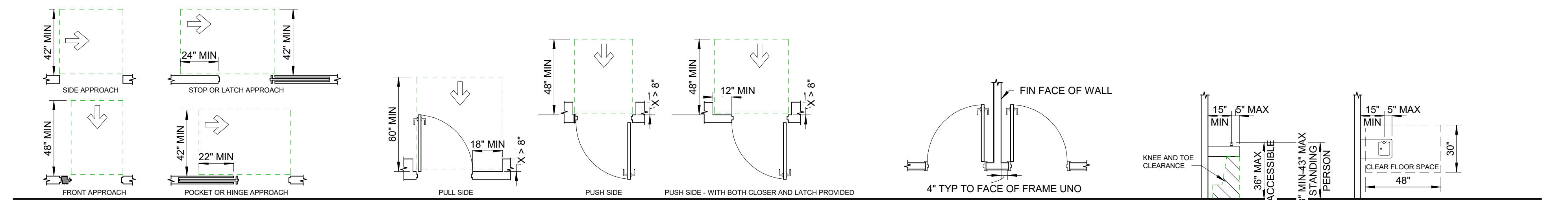
**TURNING SPACE** ICC A117.1/ADA §304.3  
**CLEAR FLOOR OR GROUND SPACE** ICC A117.1/ADA §305  
**KNEE AND TOE CLEARANCES** ICC A117.1/ADA §306.2 & §306.3  
**PROTRUDING OBJECTS IN CIRCULATION PATH** ICC A117.1/ADA §307.2  
**FIRE EXTINGUISHER CABINET ACCESSIBLE HEIGHT** ICC A117.1/ADA §308.2.1 & §308.3.1



**VERTICAL CLEARANCE** ICC A117.1/ADA §307.4  
**FORWARD REACH** ICC A117.1/ADA §308.2  
**SIDE REACH** ICC A117.1/ADA §308.3  
**CLEAR WIDTH OF AN ACCESSIBLE ROUTE** ICC A117.1 §403.5 ADA §403.5.1

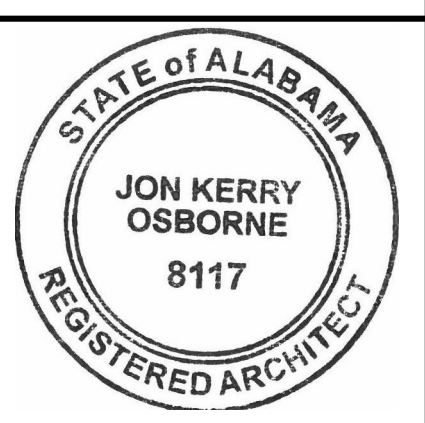
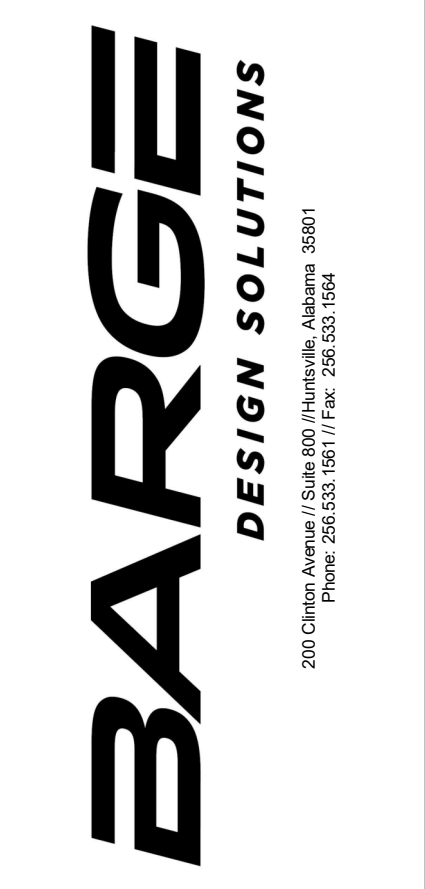


**CLEAR WIDTH OF DOORWAYS** ICC A117.1 §404.2.2 ADA §404.2.3  
**MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS** ICC A117.1 §404.2.3 ADA §404.2.4



**MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS** ICC A117.1 §404.2.3.3 ADA §404.2.4.2  
**MANEUVERING CLEARANCES AT RECESSED DOORS AND GATES** ICC A117.1 §404.2.3.5 ADA §404.2.4.3  
**STANDARD LAYOUT FOR DOORS ADJACENT TO A WALL**  
**DRINKING FOUNTAIN SPOUT HEIGHT AND CLEARANCE** ICC A117.1/ADA §602

Drawing Set: AG0.01 - GENERAL INFORMATION AND ACCESSIBILITY REQUIREMENTS  
 Drawing: 01 - CITY OF GUNTERSVILLE PARK - PHASE 2  
 File: 01.dwg  
 Date: 4/21/2023 9:53:41 AM



**GENERAL INFORMATION AND ACCESSIBILITY REQUIREMENTS**  
 CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DESCRIPTION
REV	CHK	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID

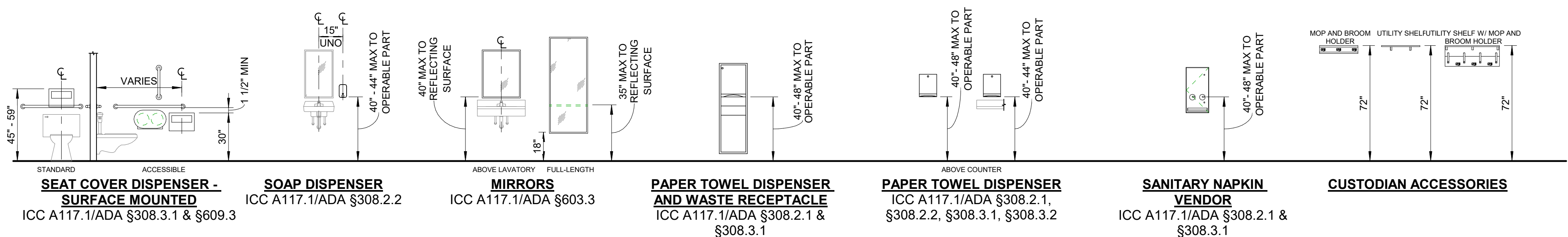
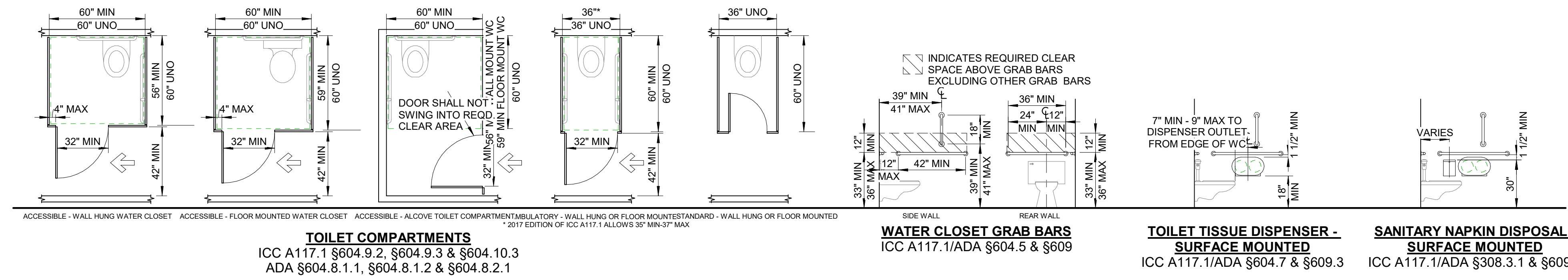
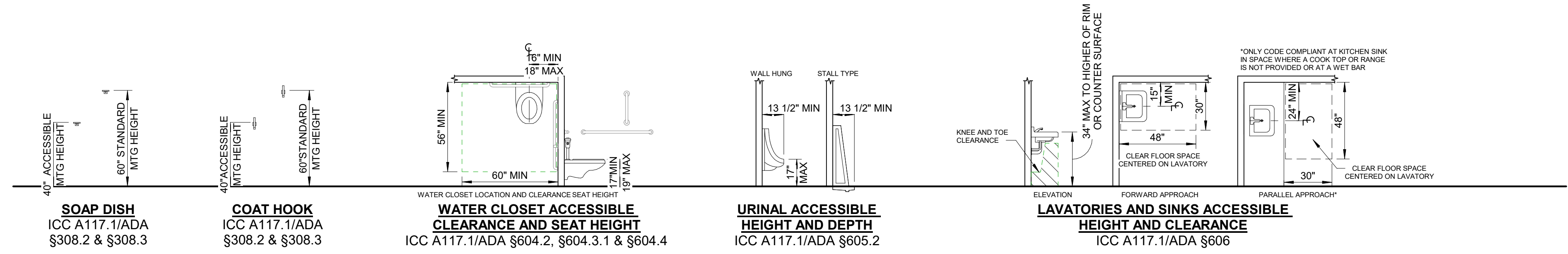
**AG0.01**  
FILE NO. 37106-01

**WASHROOM ACCESSORY GENERAL NOTES**

- A. ALL DIMENSIONS INDICATING WASHROOM ACCESSORY AND/OR PLUMBING FIXTURE CLEARANCES AND/OR LOCATIONS ARE TO THE FINISHED FACE OF THE WALL/FLOOR UNO.
- B. PROVIDE SOLID BLOCKING, AS REQUIRED, FOR ALL WALL MOUNTED ACCESSORIES, WHETHER INDICATED ON THIS SHEET OR NOT, AND ANCHOR AS INDICATED PER MFR PUBLISHED INSTALLATION INSTRUCTIONS.
- C. REFER TO PLUMBING FOR INFORMATION RELATED TO ALL WATER CLOSETS, LAVATORIES, URINALS, PRE-FABRICATED SHOWER UNITS, AND DRINKING FOUNTAINS.

**BARGE**  
DESIGN SOLUTIONS

200 Clinton Avenue // Suite 800 // Huntsville, Alabama 35801  
Phone: 256.533.1961 // Fax: 256.533.1954



**FIXTURE ACCESSIBILITY REQUIREMENTS AND WASHROOM ACCESSORIES**

**CITY OF GUNTERSVILLE**  
**GUNTERSVILLE PARK - PHASE 2**  
GUNTERSVILLE, ALABAMA

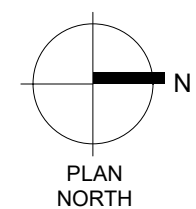
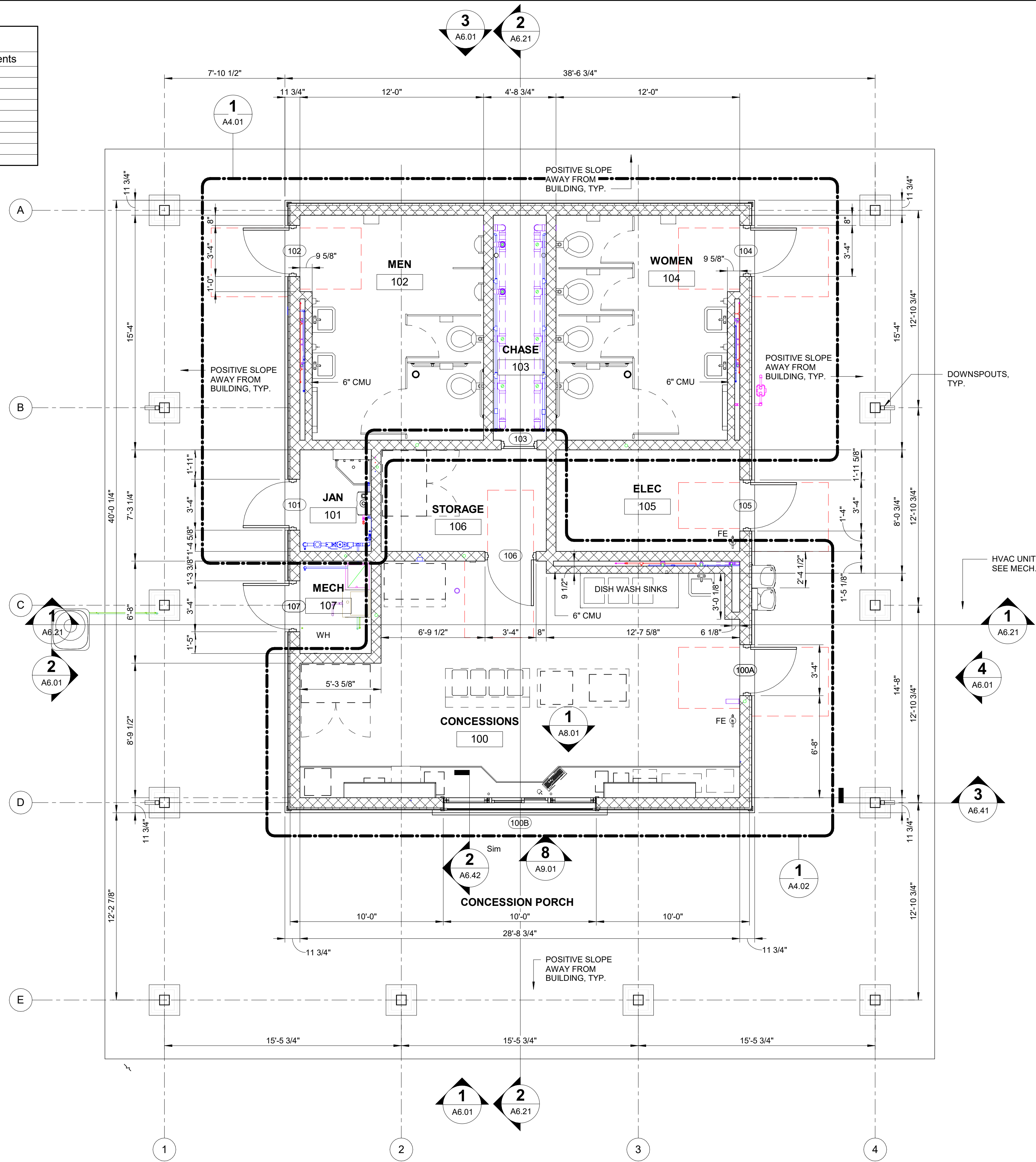
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REV	CHK	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID

**AG0.02**  
FILE NO. 37106-01

Describe Set: AG0.02 - FIXTURE ACCESSIBILITY REQUIREMENTS AND WASHROOM ACCESSORIES  
Drawing: 37106-01-00 - Gunterville Park - Design 11/16/20 - GP02Z\_A\_120.rvt  
File: 37106-01-00 - Gunterville Park - Design 11/16/20 - GP02Z\_A\_120.rvt  
Title: (Date: 4/21/2023 9:12:34 AM)

**ROOM FINISH SCHEDULE**

Number	Name	Area	Wall Finish	Base Finish	Floor Finish	Ceiling Finish	Comments
100	CONCESSIONS	396 SF	CMU PTD	RUBBER	NON-SLIP EPOXY	GYP BD PTD.	
101	JAN	31 SF	CMU PTD	WALL	SEALED CONC.	GYP BD PTD.	
102	MEN	169 SF	CMU PTD	RUBBER	NON-SLIP EPOXY	GYP BD PTD.	
103	CHASE	51 SF	CMU PTD	NONE	SEALED CONC.	GYP BD PTD.	
104	WOMEN	169 SF	CMU PTD	RUBBER	NON-SLIP EPOXY	GYP BD PTD.	
105	ELEC	80 SF	CMU PTD	NONE	SEALED CONC.	GYP BD PTD.	
106	STORAGE	72 SF	CMU PTD	NONE	SEALED CONC.	GYP BD PTD.	
107	MECH	28 SF	CMU PTD	NONE	SEALED CONC.	GYP BD PTD.	
Grand total:		8	994 SF				



1  
A1.01

**CONCESSION / RESTROOM FLOOR PLAN - PHASE 2**

SCALE: 1/4" = 1'-0"

Drawing Set: A1.01, CONCESSION / RESTROOM BLDG. FLOOR PLAN  
 Drawing: A1.01, CONCESSION / RESTROOM BLDG. FLOOR PLAN  
 File: A1.01.dwg  
 Date: 4/21/2023 9:18:44 AM

**BARGE**  
DESIGN SOLUTIONS

200 Clifton Avenue // Suite 800 // Huntsville, Alabama 35801  
 Phone: 256.533.1981 // Fax: 256.533.1984



**CONCESSION / RESTROOM BLDG. FLOOR PLAN**

CITY OF GUNTERSVILLE

**GUNTERSVILLE PARK - PHASE 2**

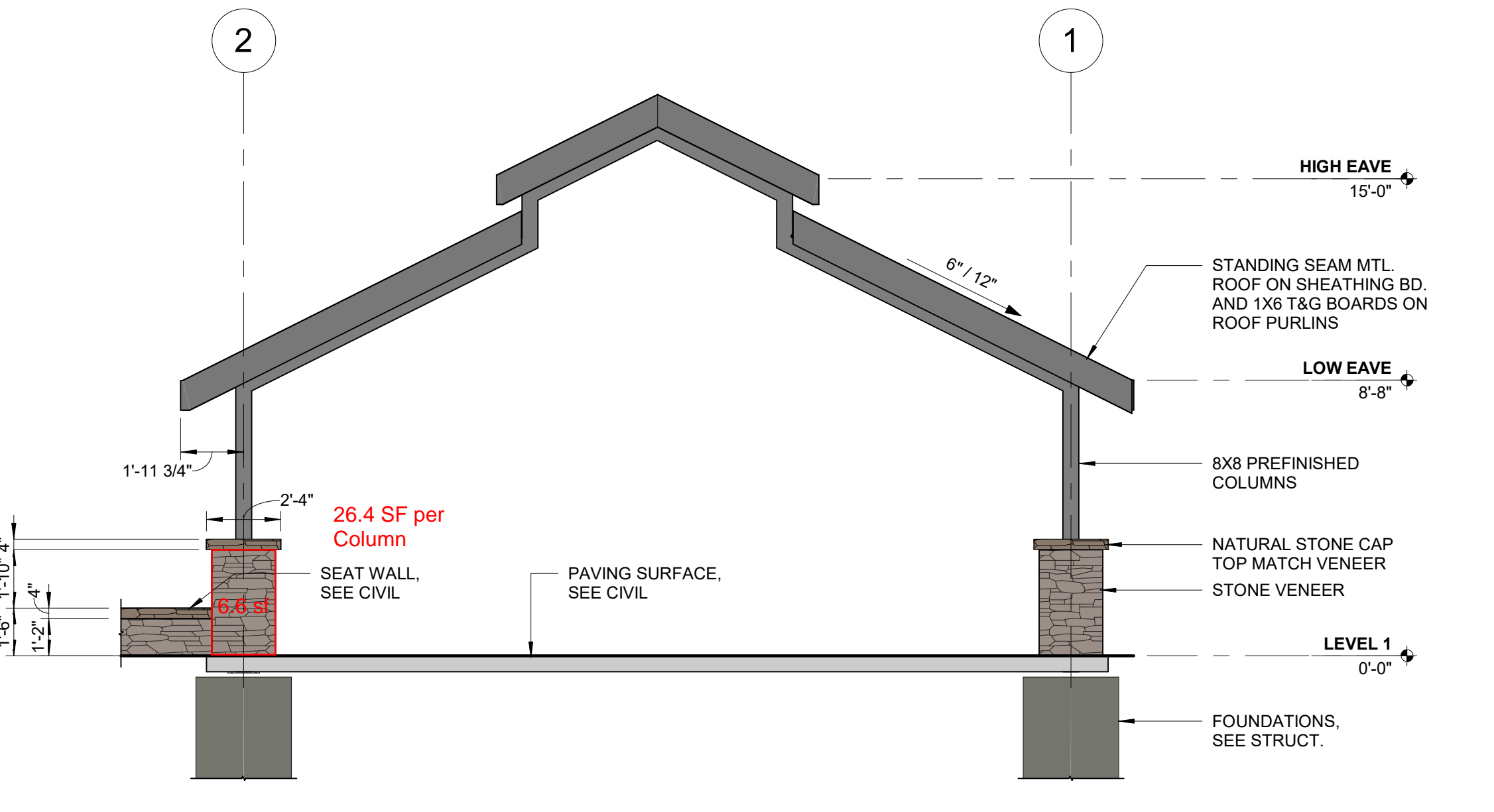
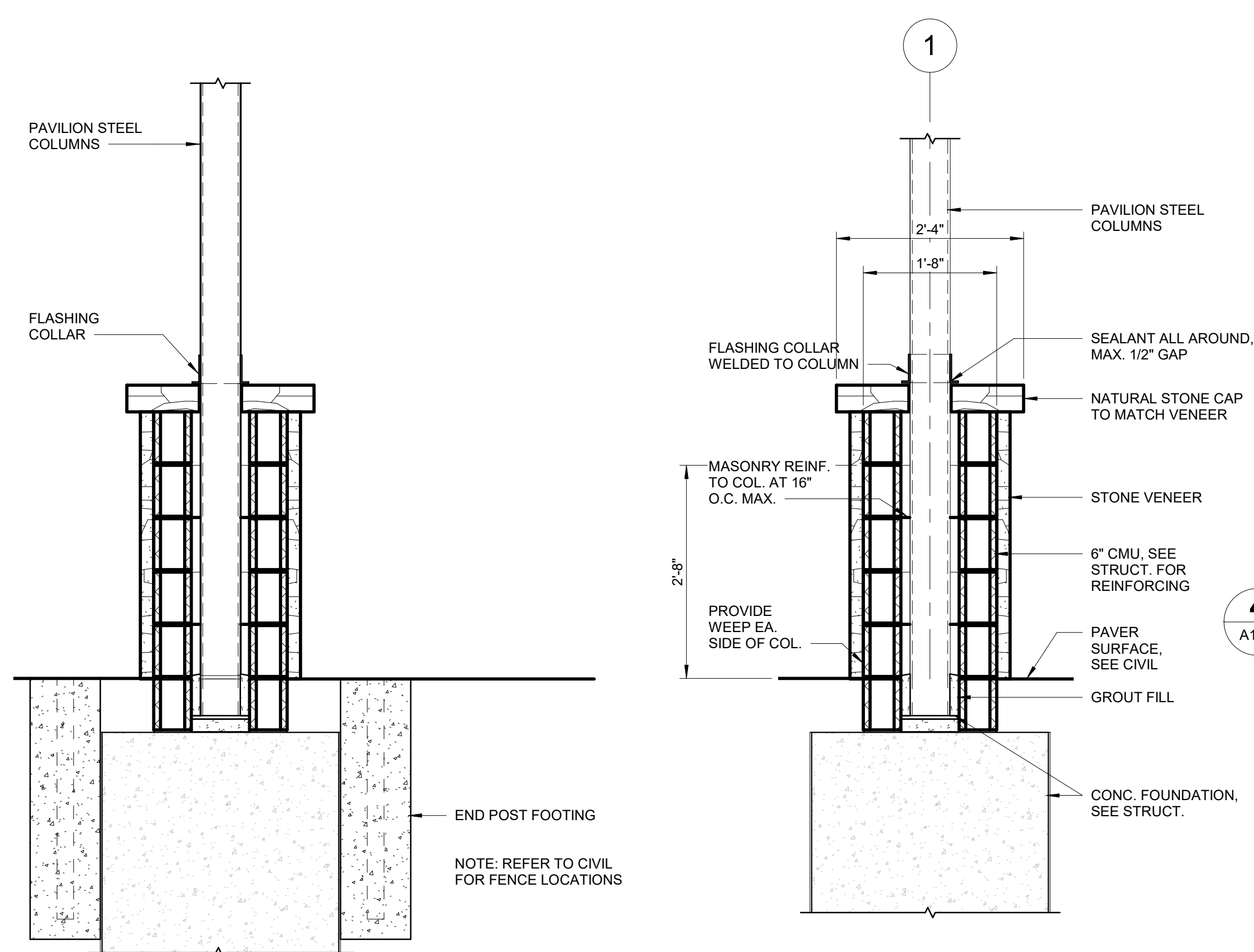
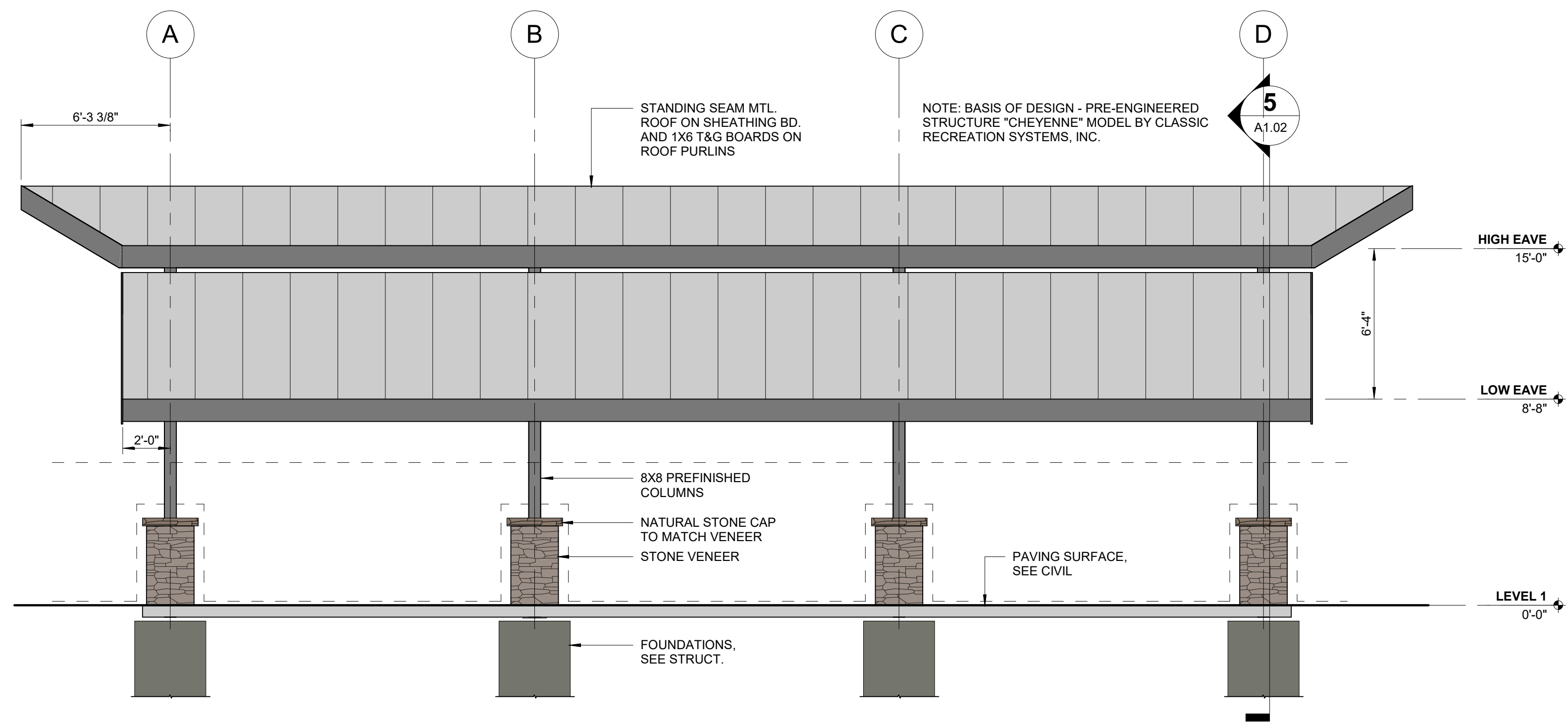
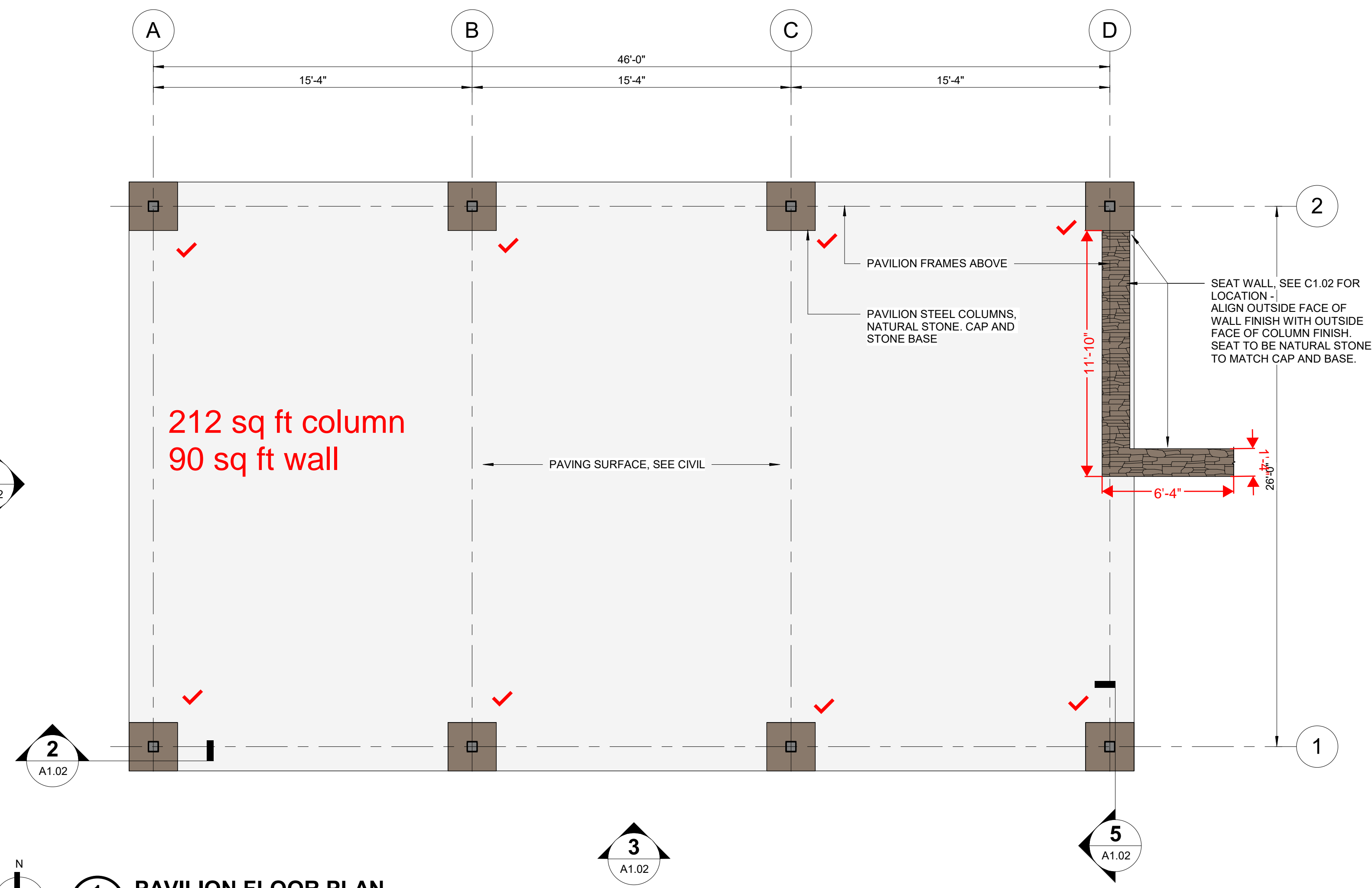
GUNTERSVILLE, ALABAMA

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REV	CHK	DATE
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	KO	ISSUED FOR BID

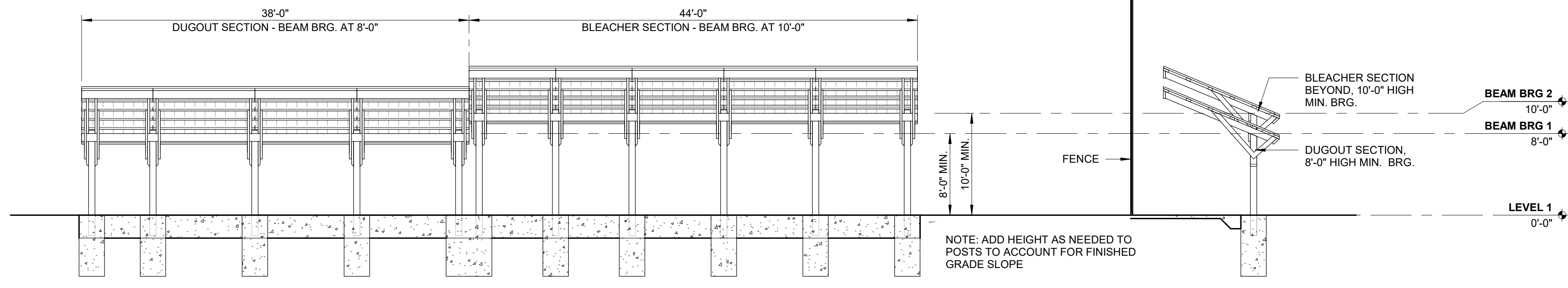
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FILE NO. 37106-01

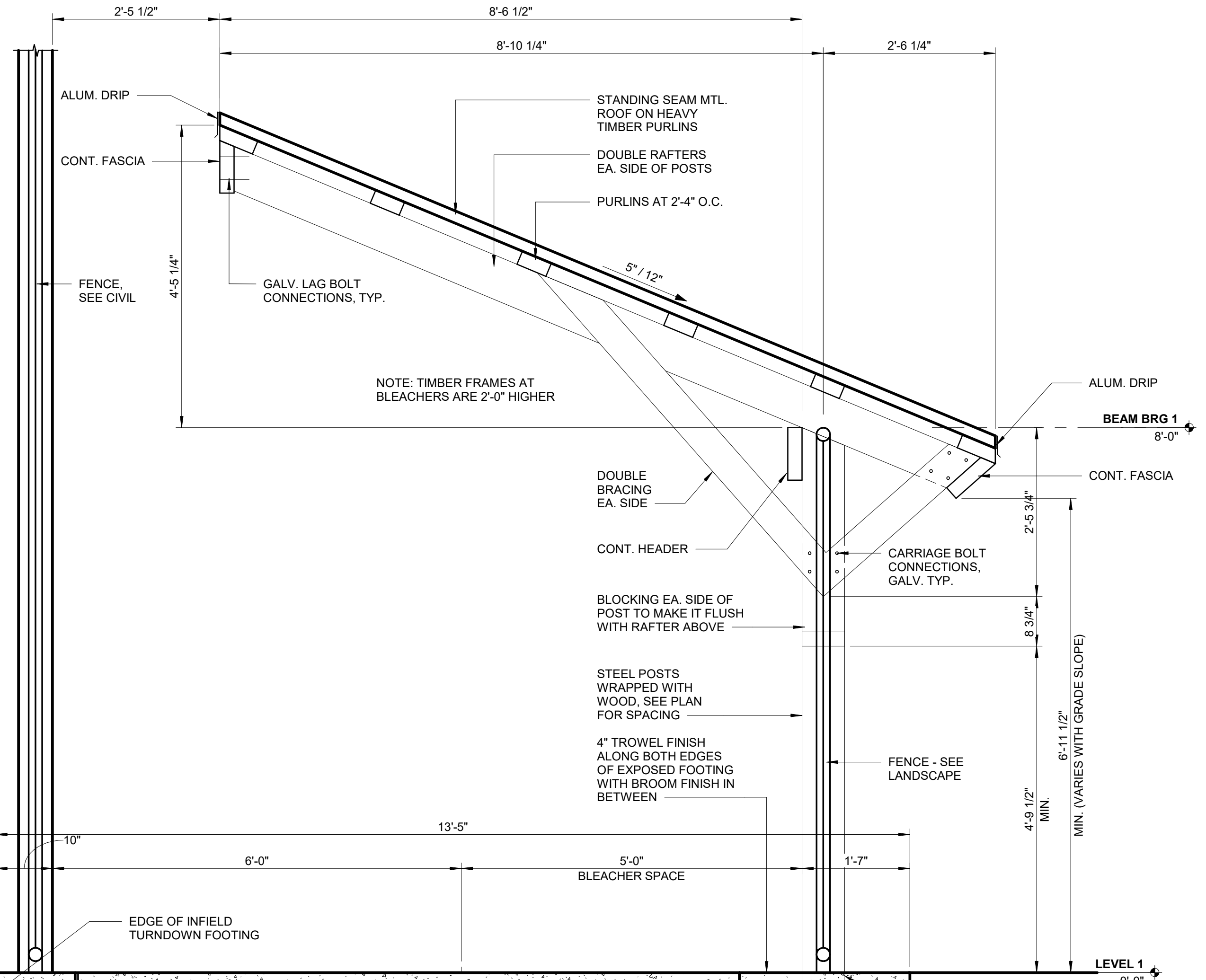
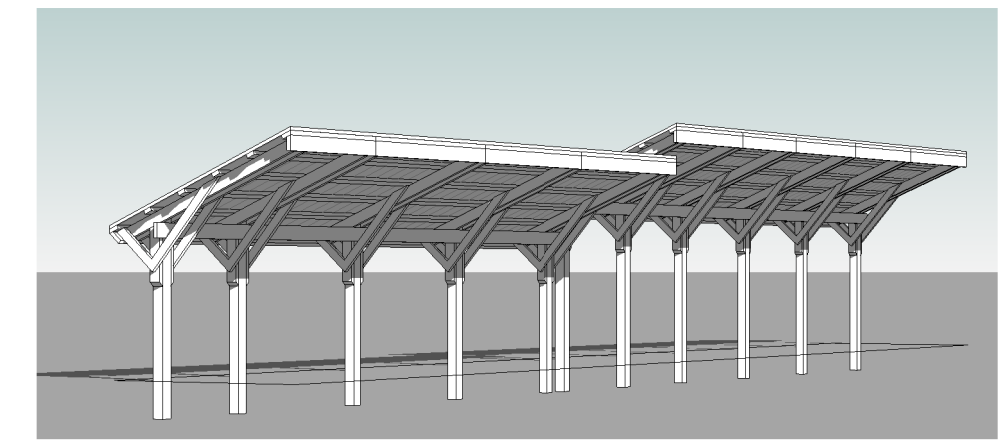
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REV	DR	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID



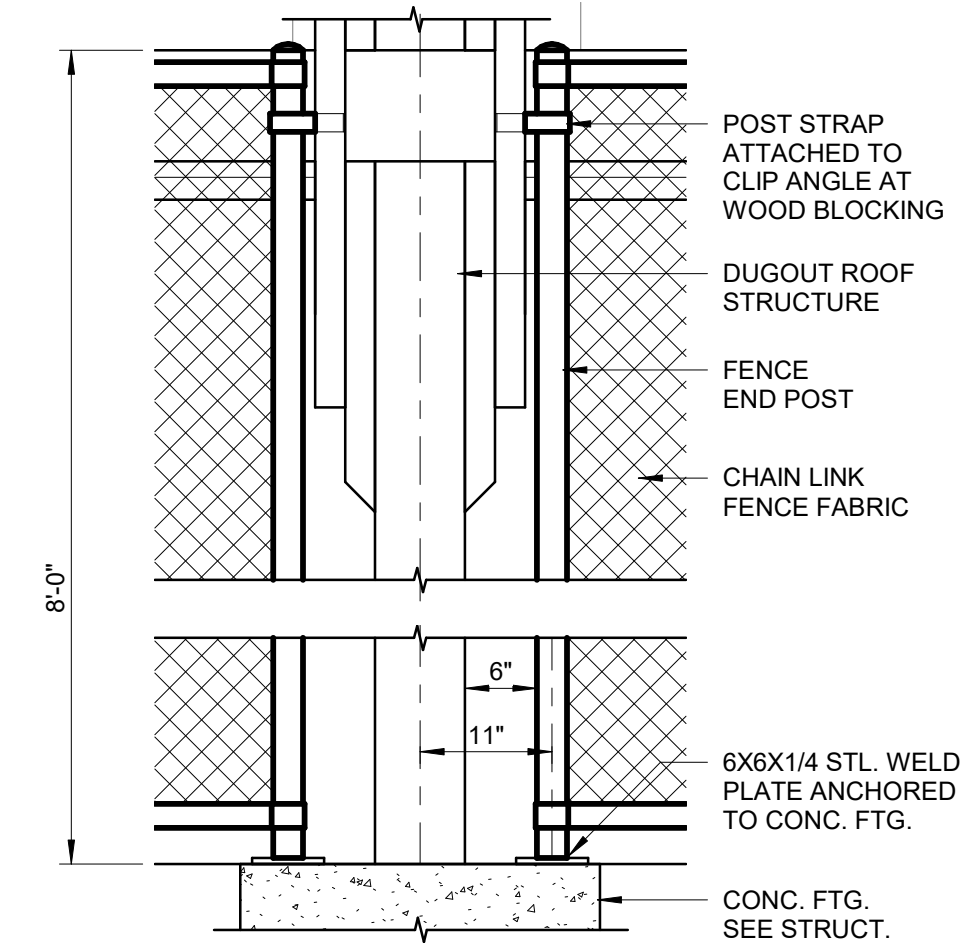
Drawing Set: A1.02 - PAVILION FLOOR PLAN AND ELEV.  
 Drawing: 001 - 20230715 - Gunterville Park Design/16060\_CDDP2\_A1.0201.rvt  
 File: 20230715.rvt  
 Date: 4/21/2023 9:17:54 AM



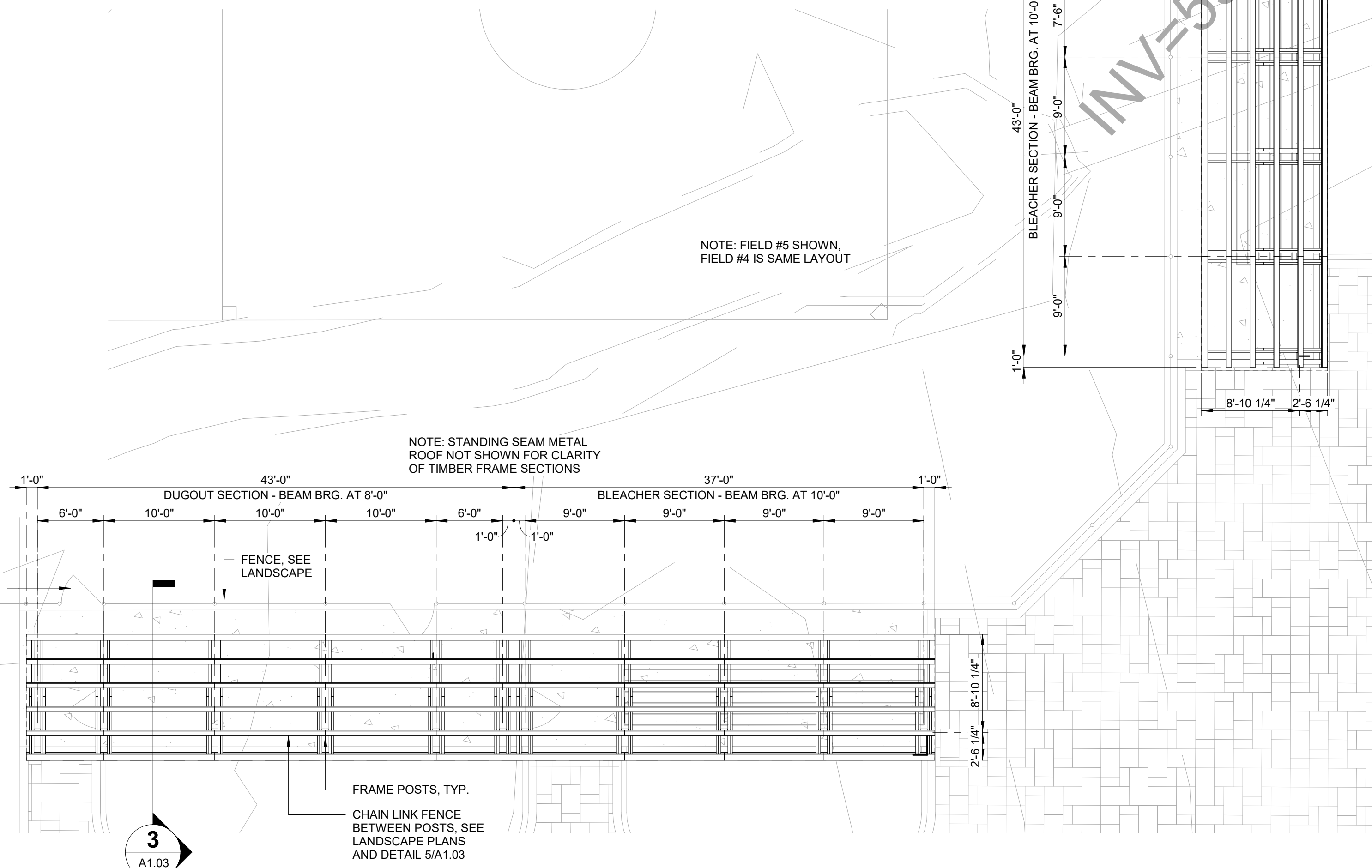
**2 DUGOUTS WEST ELEVATION**  
A1.03 SCALE: 1/8" = 1'-0"



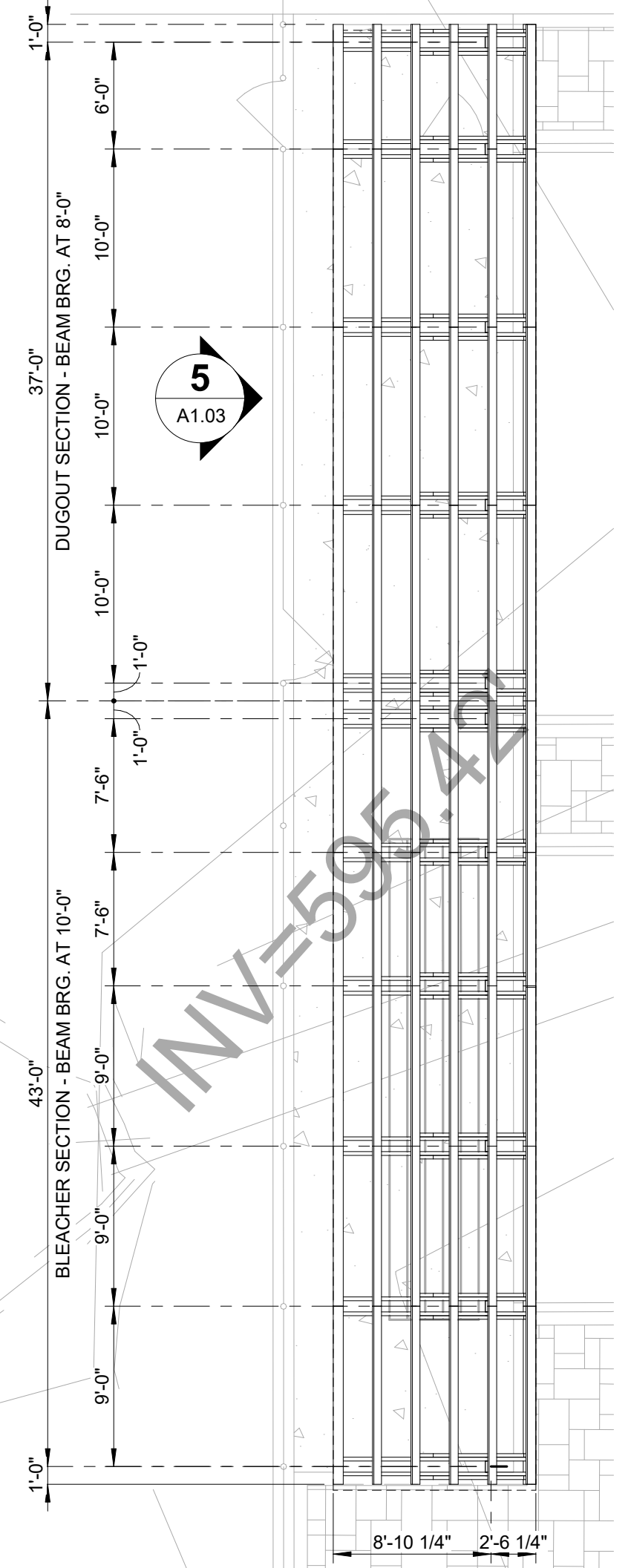
**3 TIMBER FRAME SECTION AT DUGOUTS**  
A1.03 SCALE: 3/4" = 1'-0"



**5 DUGOUT FENCE ATTACHMENT DETAIL**  
A1.03 SCALE: 3/4" = 1'-0"



**1 DUGOUT FRAMING PLAN TYP. FIELD**  
A1.03 SCALE: 1/8" = 1'-0"

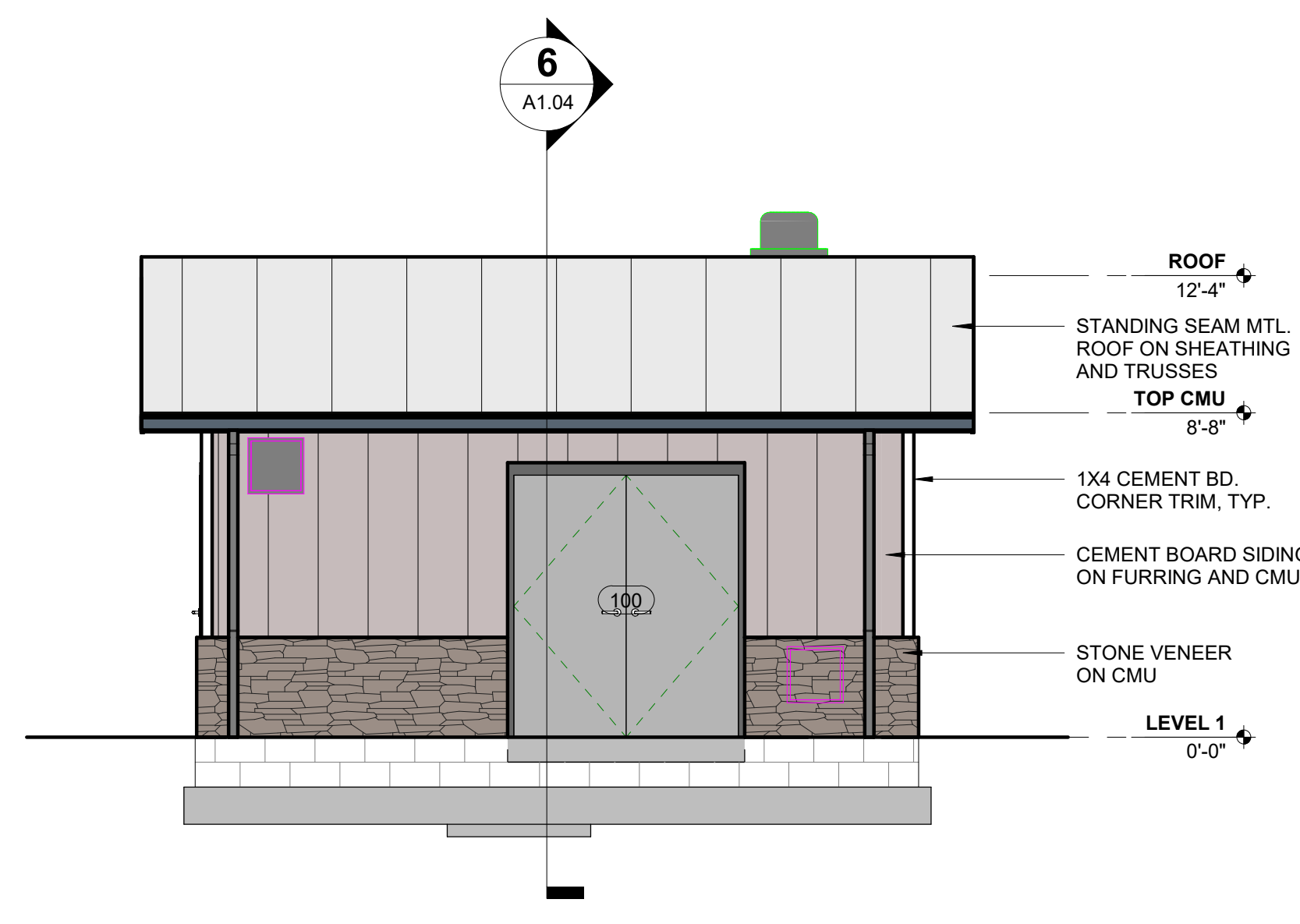


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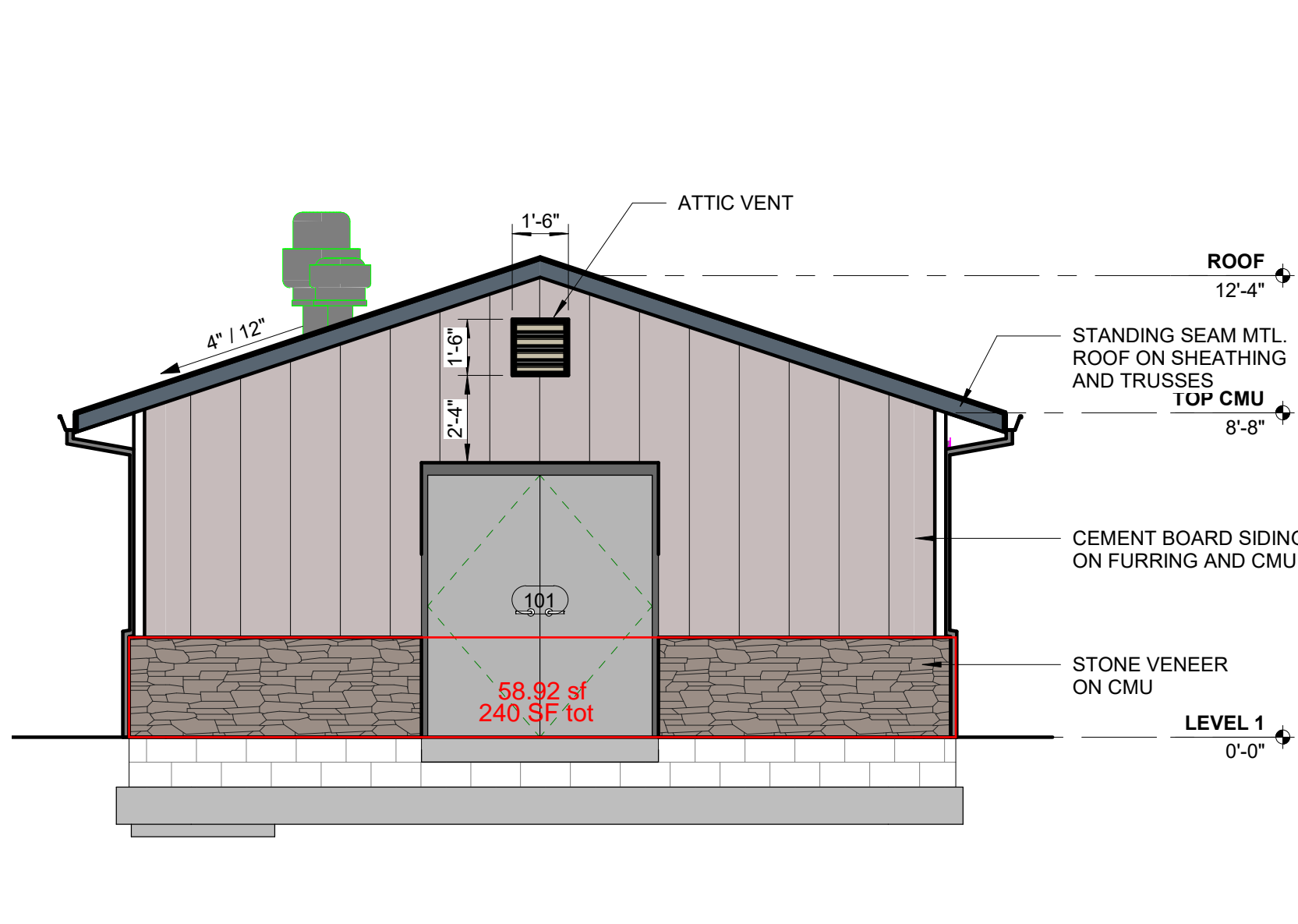
Drawing Set: A1.03, DUGOUT PLANS AND DETAILS  
 Drawing: 37106-01, Gunterville Park, Gunterville Park, Gunterville Park, Gunterville Park  
 File: 37106-01.dwg  
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REVISION INFORMATION		DESCRIPTION
REV.	CHK.	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID

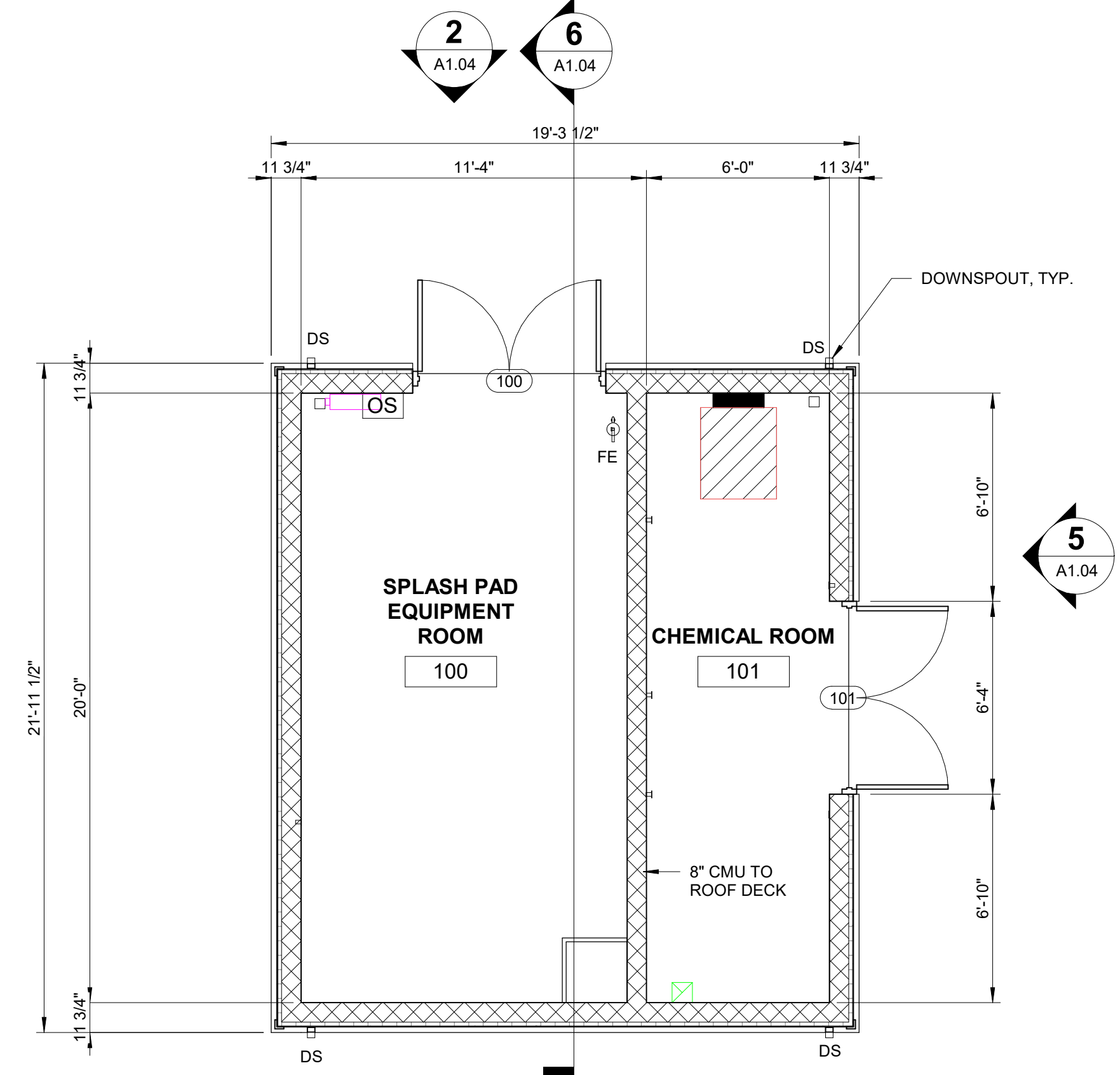
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REV	CHK	DATE
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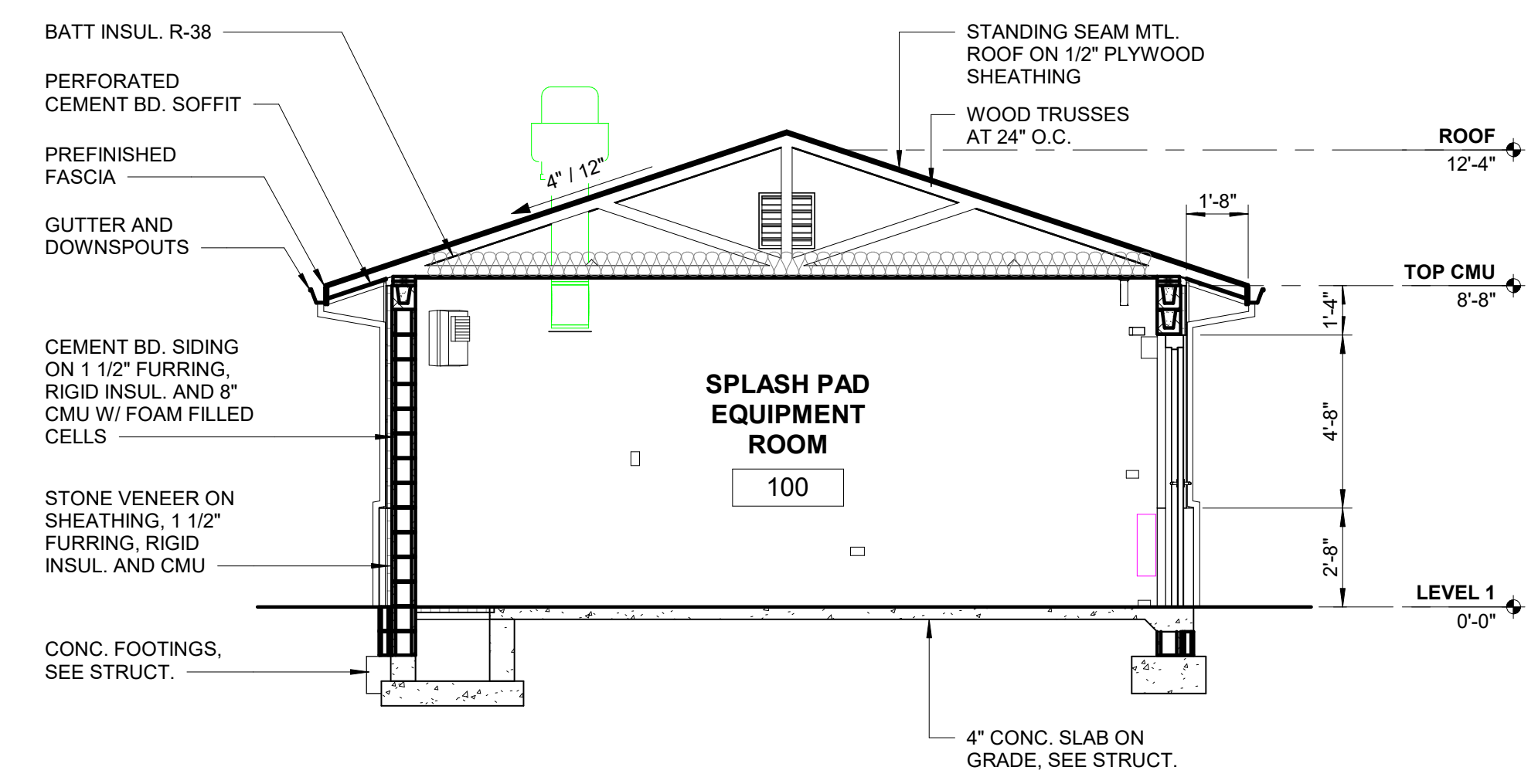
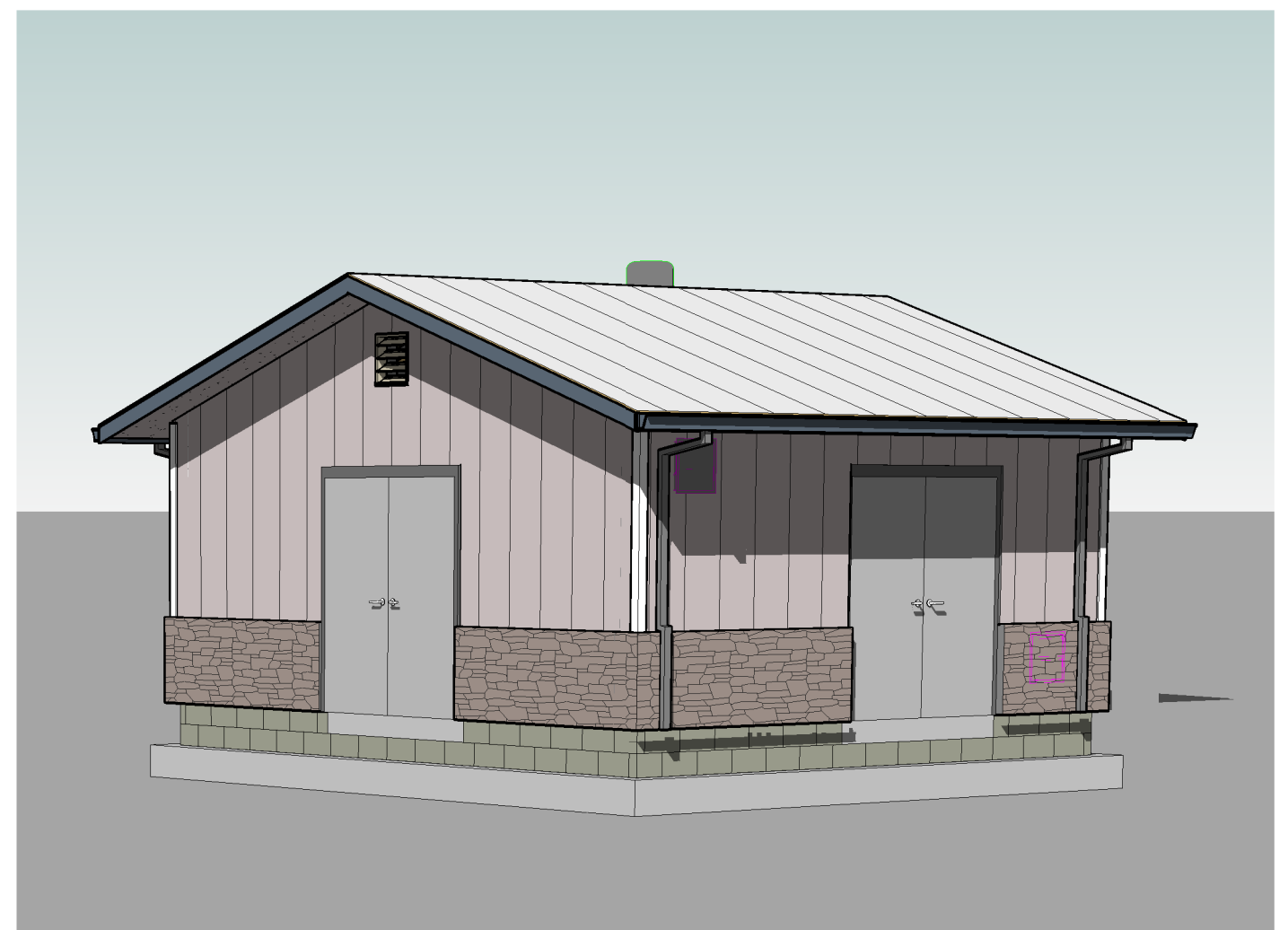
**2 SPLASH PAD EQUIP. BLDG. NORTH ELEVATION**  
 A1.04 SCALE: 1/4" = 1'-0"



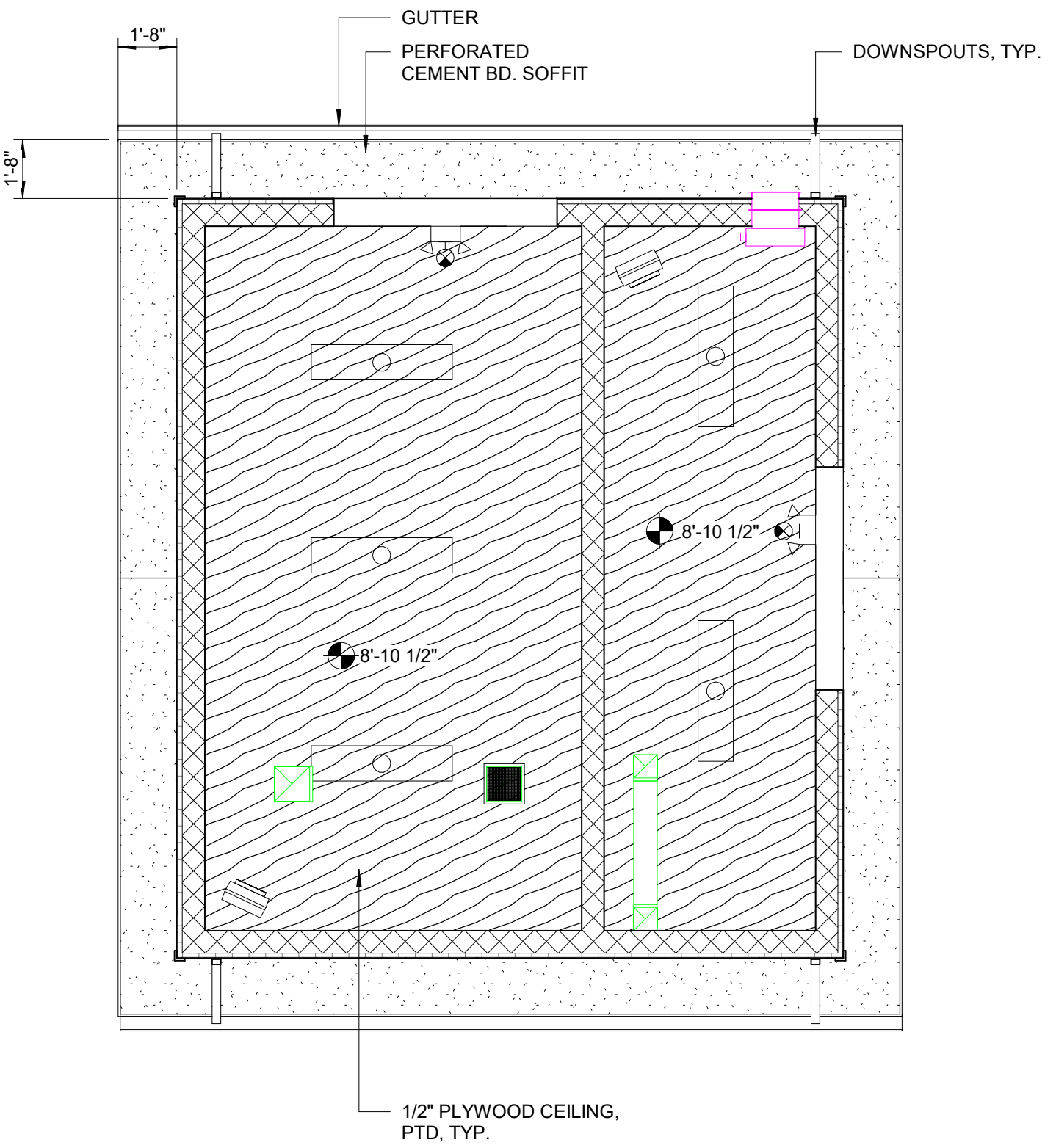
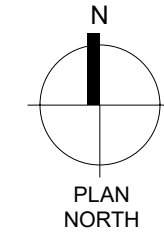
**5 SPLASH PAD EQUIP. BLDG. EAST ELEVATION**  
 A1.04 SCALE: 1/4" = 1'-0"



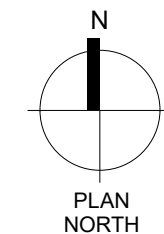
**1 SPLASH PAD EQUIP BLDG FLOOR PLAN**  
 A1.04 SCALE: 1/4" = 1'-0"



**6 SPLASH PAD EQUIP. BLDG. SECTION**  
 A1.04 SCALE: 1/4" = 1'-0"



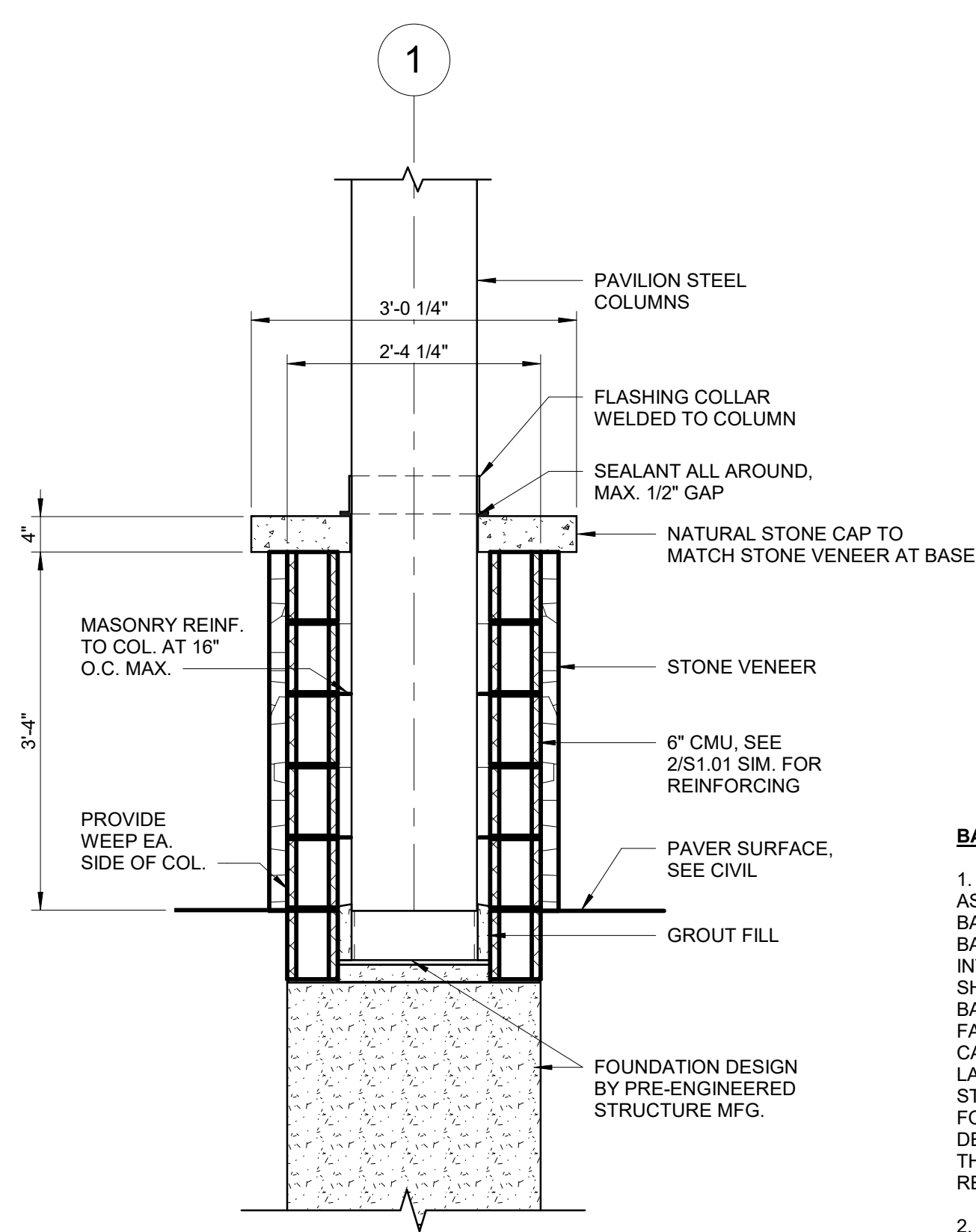
**3 SPLASH PAD EQUIP. BLDG. REF. CLG. PLAN**  
 A1.04 SCALE: 1/4" = 1'-0"



ROOM FINISH SCHEDULE						
Name	Area	Wall Finish	Base Finish	Floor Finish	Ceiling Finish	Comments
SPLASH PAD EQUIPMENT ROOM	214 SF	CMU PTD	NONE	SEALED CONC.	PLYWOOD PTD.	
CHEMICAL ROOM	120 SF	CMU PTD	NONE	SEALED CONC.	PLYWOOD PTD.	
Grand total: 2	334 SF					

DOOR SCHEDULE														
Door Number	LEAF INFORMATION	LEAF INFORMATION				LEAF INFORMATION			FRAME INFORMATION				Hardware	Comments
		Leaf Type	Leaf Quantity	Width	Height	Thickness	Material	Finish	Frame Type	Material	Finish	Jamb		
100	F	2	6'-0"	7'-0"	1 3/4"	HM	PTD	2	HM	PTD	2&3/A9.01	1/A9.01	6	
101	F	2	6'-0"	7'-0"	1 3/4"	HM	PTD	2	HM	PTD	2&3/A9.01	1/A9.01	6	



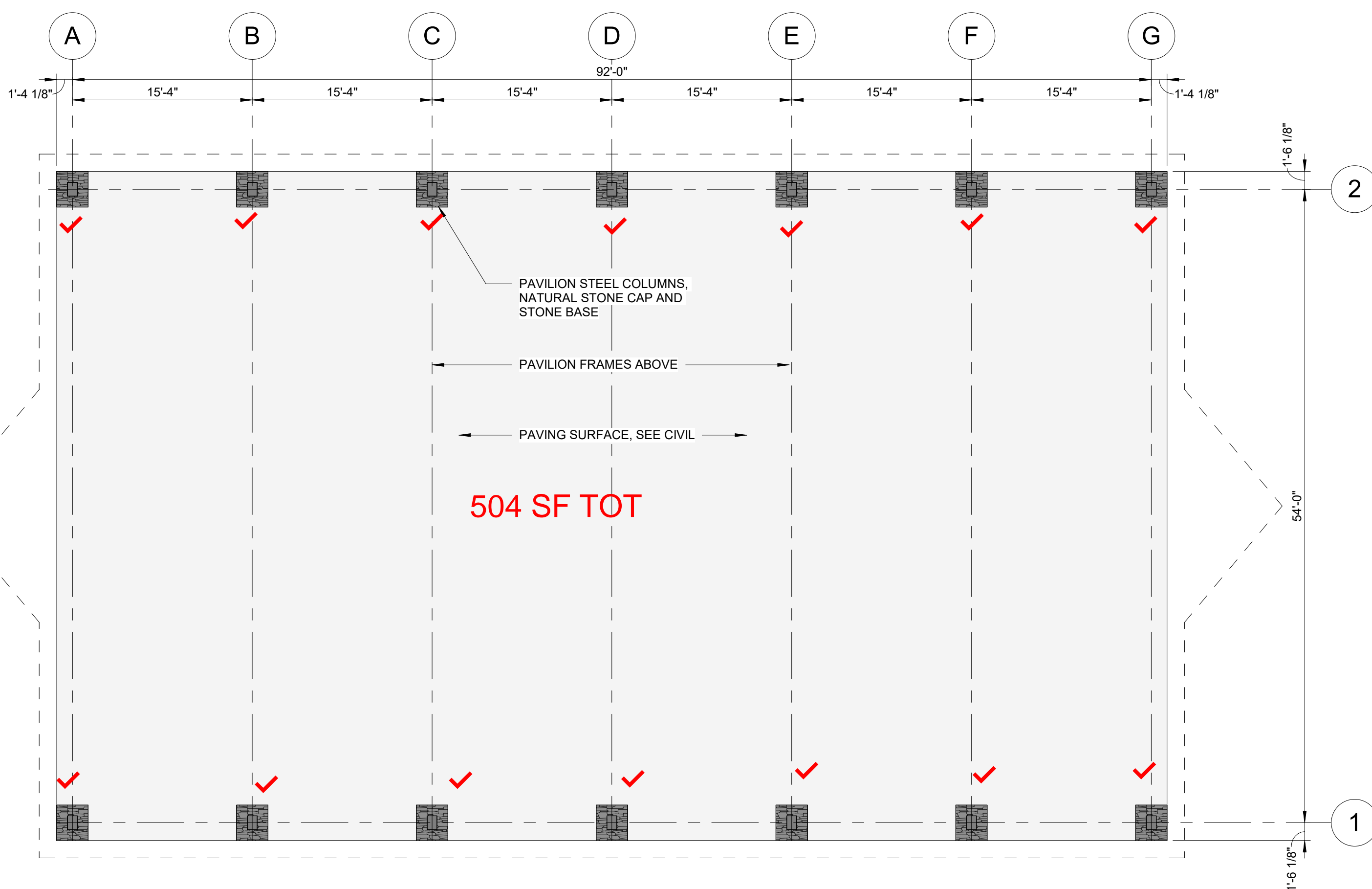


**5 SECTION THRU COLUMN**  
A1.05 SCALE: 3/4" = 1'-0"

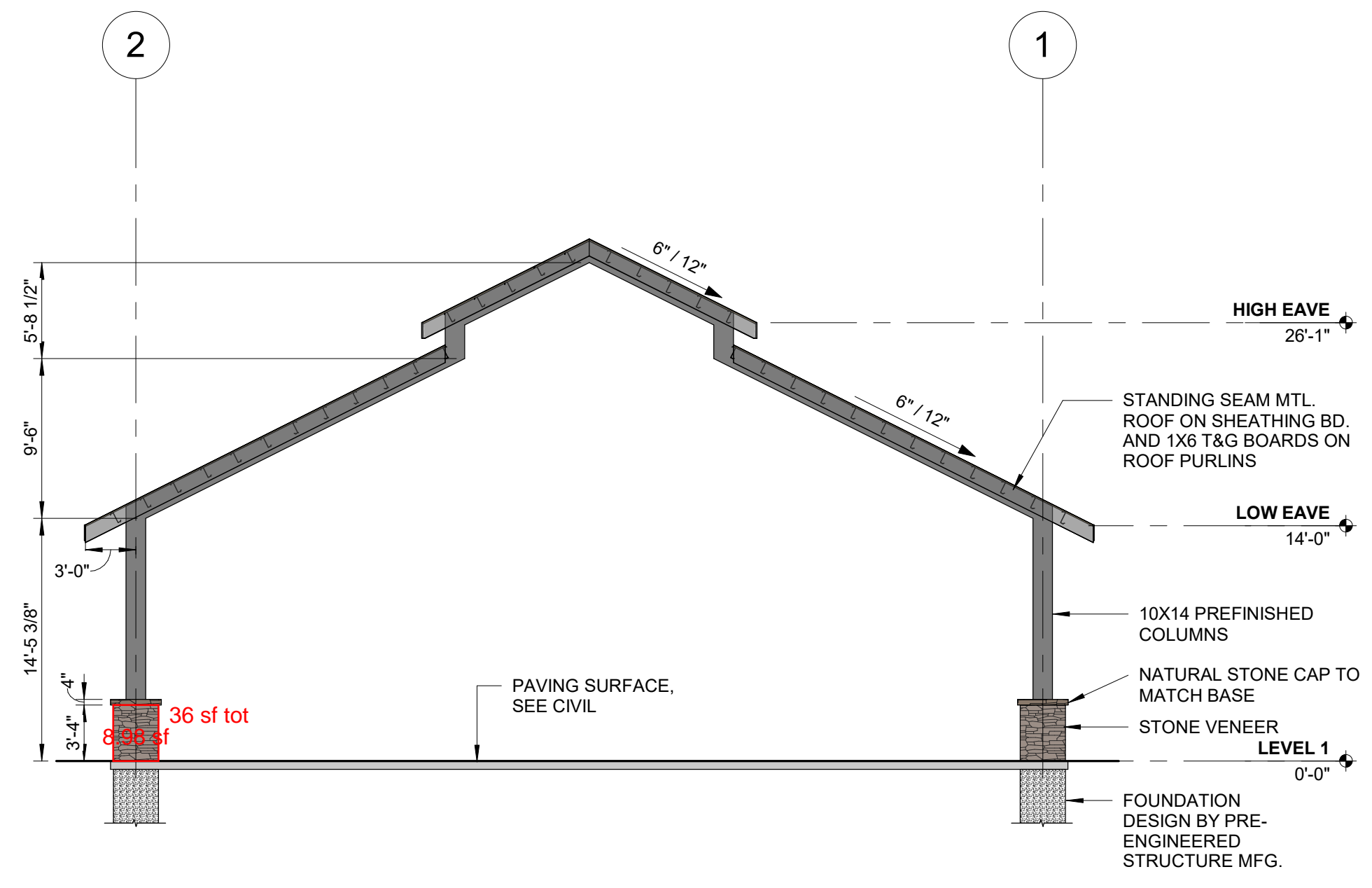
**BATTING CAGE NOTES:**

1. (6) RETRACTABLE BATTING CAGES SHALL BE PROVIDED AS PART OF THE BATTING CAGE PAVILION. BATTING CAGE BASIS OF DESIGN SHALL BE BY NET CONNECTIONS, INC. BATTING CAGE SUPPORT CABLES/STRUCTURES SHALL BE INTEGRAL WITH THE PAVILION SUPPORTS. CONTRACTOR SHALL COORDINATE WORK BETWEEN PAVILION AND BATTING CAGE PROVIDERS TO SUBMIT COMPLETE FABRICATION DRAWINGS FOR THE PAVILION AND BATTING CAGES WITH SPECIFIED MATERIALS, SIZES, SPACING & LAYOUT, CONNECTION DETAILS, AND LOCATIONS FOR ALL STRUCTURAL ELEMENTS, INCLUDING ANCHORAGE TO THE FOUNDATION TO ADEQUATELY RESIST ALL APPLICABLE DESIGN LOADS. ALL DRAWINGS SHALL BEAR THE SEAL OF THE CORRESPONDING DESIGN PROFESSIONAL REGISTERED IN THE STATE OF ALABAMA.

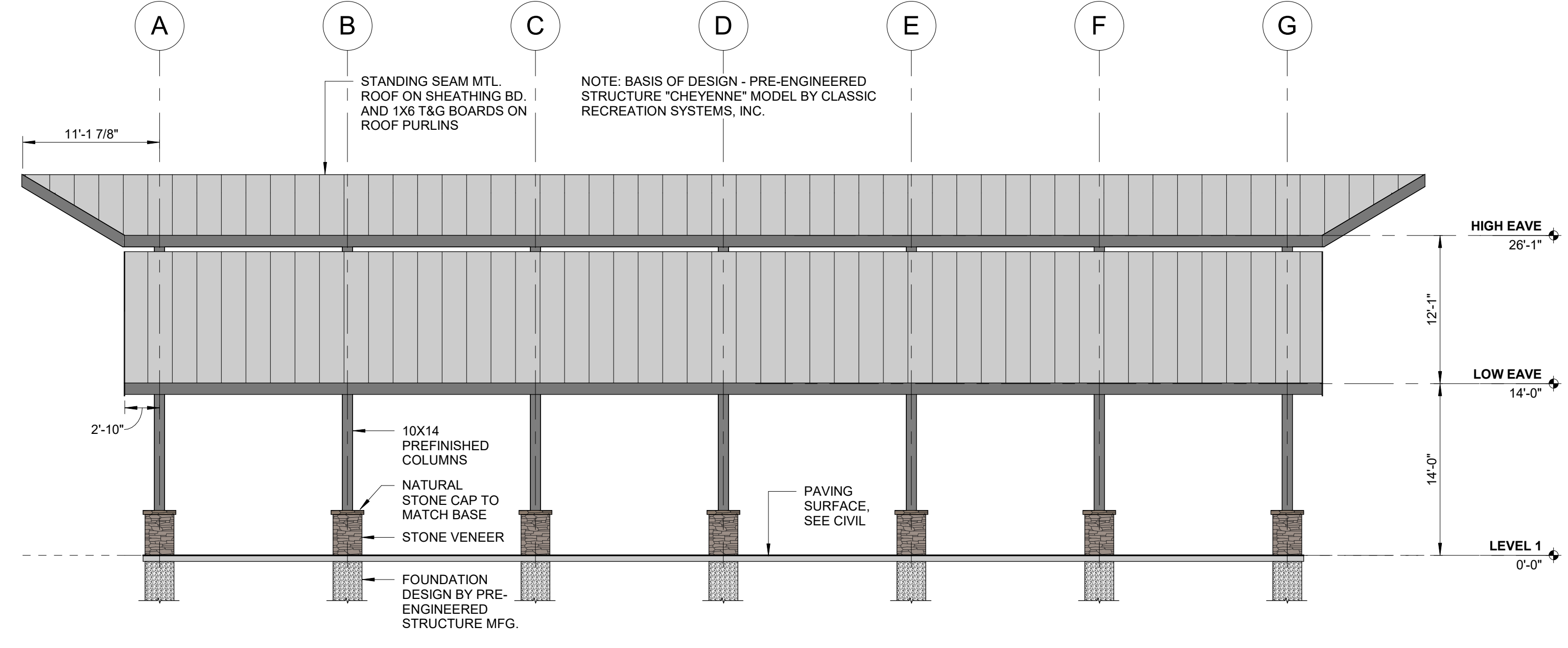
2. BATTING CAGES SHALL UTILIZE STANDARD SIZED NETS (12' TALL X 12' OR 14' WIDE X 55' LONG) AND PROVIDE ADEQUATE SAFETY DISTANCES BETWEEN THEM.



**1 BATTING CAGE PAVILION FLOOR PLAN**  
A1.05 SCALE: 1/8" = 1'-0"



**4 BATTING CAGE PAVILION WEST ELEVATION**  
A1.05 SCALE: 1/8" = 1'-0"



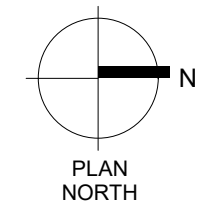
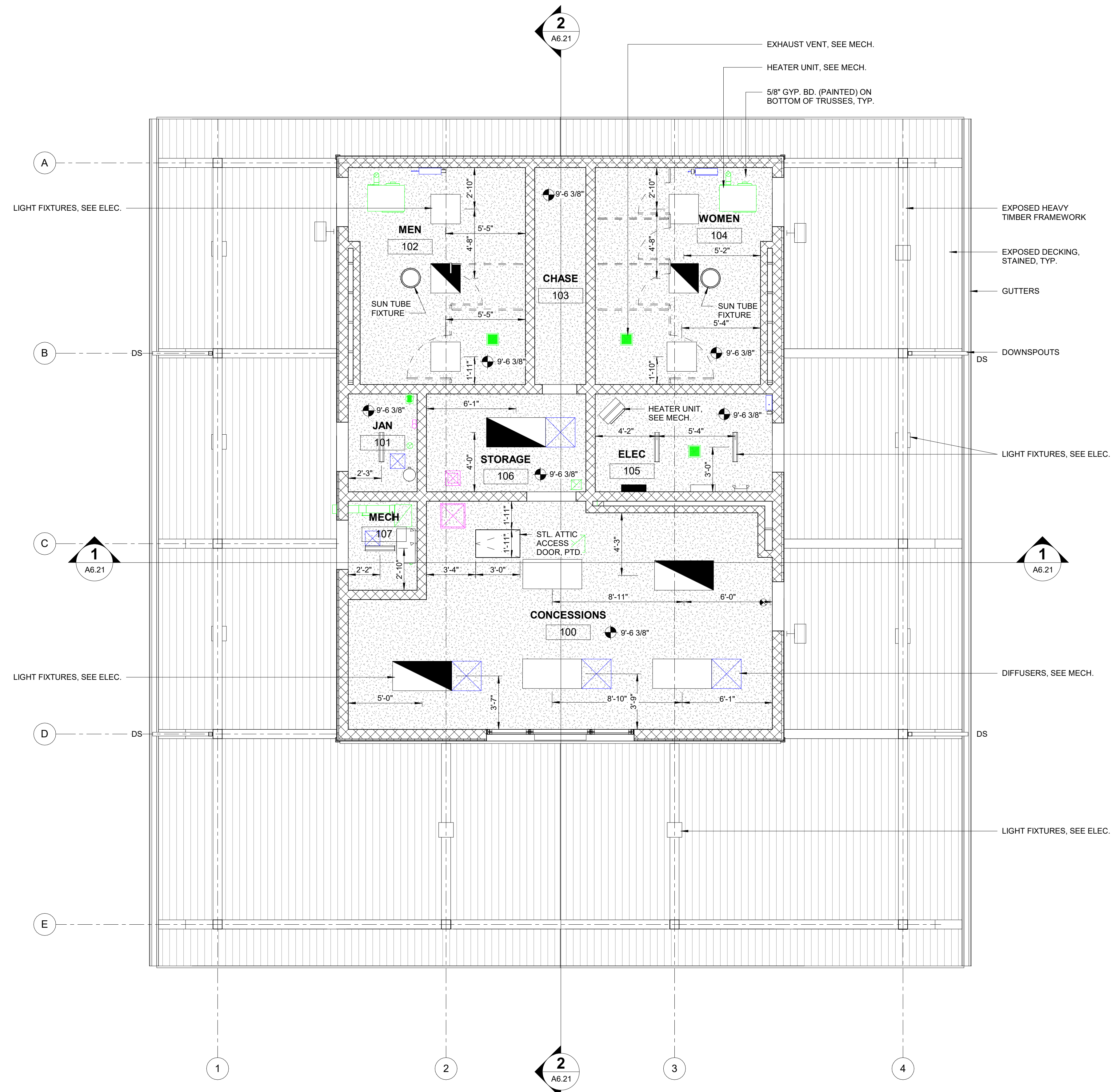
**3 BATTING CAGE PAVILION SOUTH ELEVATION**  
A1.05 SCALE: 1/8" = 1'-0"

REVISION INFORMATION

REV	DR	CHK	DATE	DESCRIPTION
0	AJ	KO	4/21/2023	ISSUED FOR BID

Drawing Set: 6.3  
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 File: 37106-01-01.dwg  
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 Date: 4/21/2023 10:48:14 AM

Drawing Set: A3.01 CONCESSION / RESTROOM REF. CLG. PLAN  
 Drawing: A3.01 CONCESSION / RESTROOM REF. CLG. PLAN  
 File: A3.01 CONCESSION / RESTROOM REF. CLG. PLAN.dwg  
 Date: 4/21/2023 9:13:44 AM



1  
A3.01

CONCESSION / RESTROOM REFLECTED CEILING PLAN - PHASE 2

SCALE: 1/4" = 1'-0"



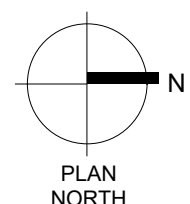
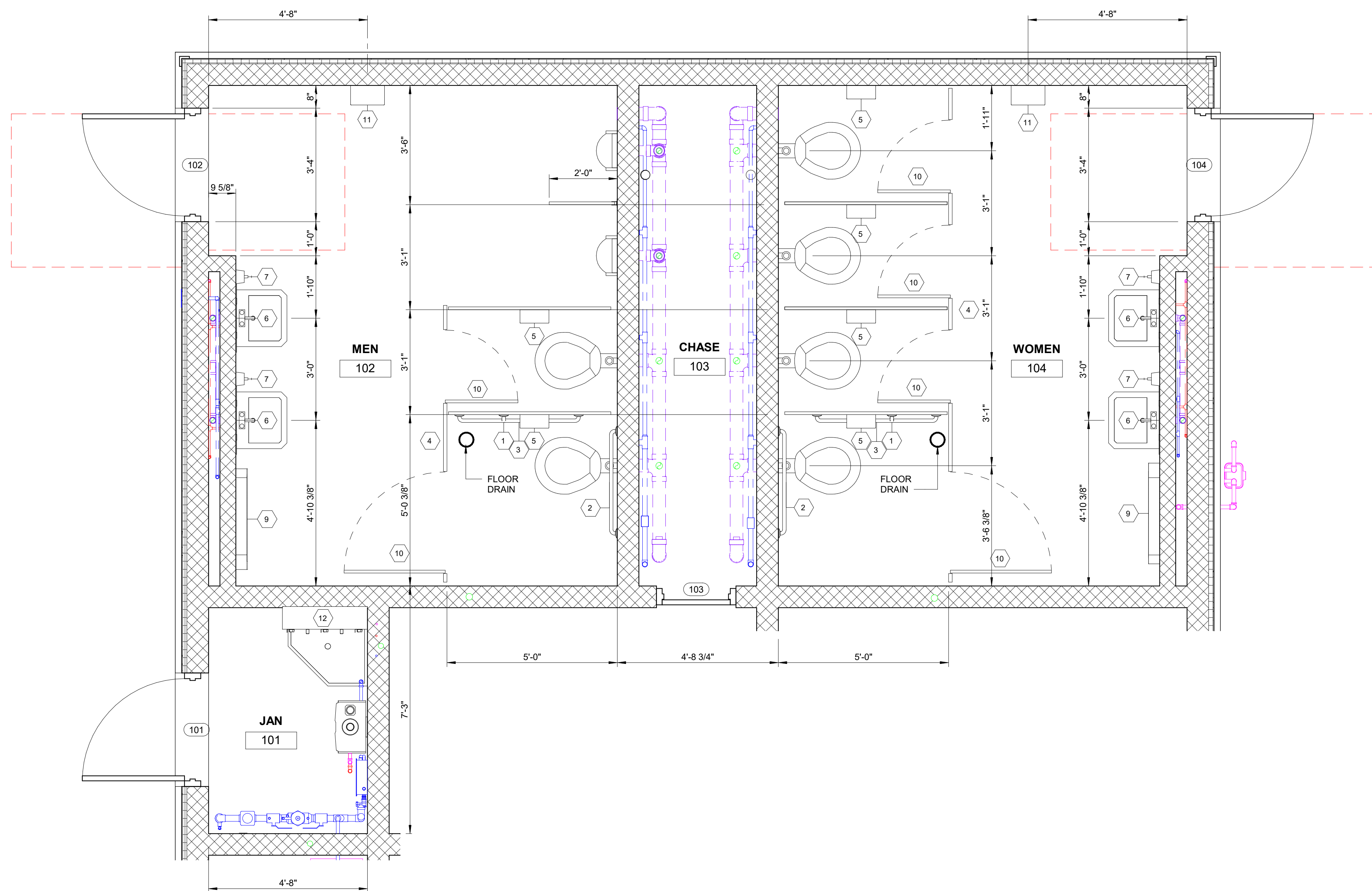
CONCESSION / RESTROOM REF. CLG. PLAN

CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DESCRIPTION
REV.	CHK.	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID

**A3.01**  
 FILE NO. 37106-01

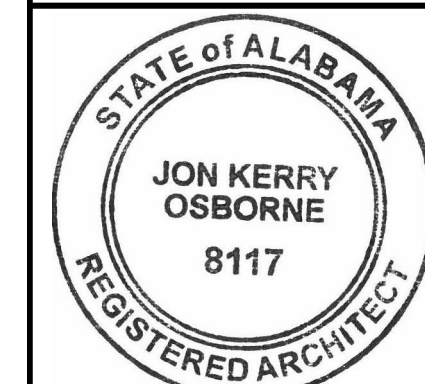
Drawing Set: A4.01 RESTROOMS ENLARGED PLAN  
 Drawing: 37106-01-01 Restrooms Enlarged Toilet Rooms Plan  
 File: 37106-01-01.dwg  
 Date: 4/21/2023 9:14:44 AM



**1** CONCESSION / RESTROOM ENLARGED TOILET ROOMS PLAN  
 A4.01 SCALE: 1/2" = 1'-0"

**TOILET ACCESSORIES**

Type Mark	Description	Manufacturer	Model	Comments
1	GRAB BAR 18" LONG	Bradley Corporation	8320-001180	MOUNTED VERT. BOTT. AT 39" TO 41" AFF
2	GRAB BAR 36" LONG	Bradley Corporation	8320-001360	TOP AT 33" TO 36" AFF
3	GRAB BAR 42" LONG	Bradley Corporation	8320-001420	TOP AT 33" TO 36" AFF
4	RESTROOM PARTITIONS	Bradley Corporation	SERIES 400	OVERHEAD BRACED, FLOOR MTD.
5	TOILET TISSUE DISPENSER	Bradley Corporation	5424	18" AFF TO 1 1/2" MIN. BELOW GRAB BAR
6	FRAMELESS MIRROR	Bradley Corporation	747-024360	BOTT. EDGE OF REFLECTING SURFACE 40" MAX. AFF
7	SOAP DISPENSER	Bradley Corporation	6562	TOP AT 48" MAX.
9	BABY CHANGING STATION	Bradley Corporation	9611	TOP OF BED 34" MAX. AFF, PULL DN. HANDLE 48" MAX. AFF
10	ROBE HOOK	Bradley Corporation	9114 BradEX	TOP AT 48" MAX. AFF
11	XLERATOR Hand Dryer	Excel Dryer	TA-ABS, ADA ACCESSIBLE	BOTT. OF DRYER AT 37" AFF
12	UTILITY SHELF AND MOP HOLDER	Bradley Corporation	9983	TOP OF SHELF AT 72" AFF
Grand total: 37				



RESTROOMS ENLARGED PLAN

CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2

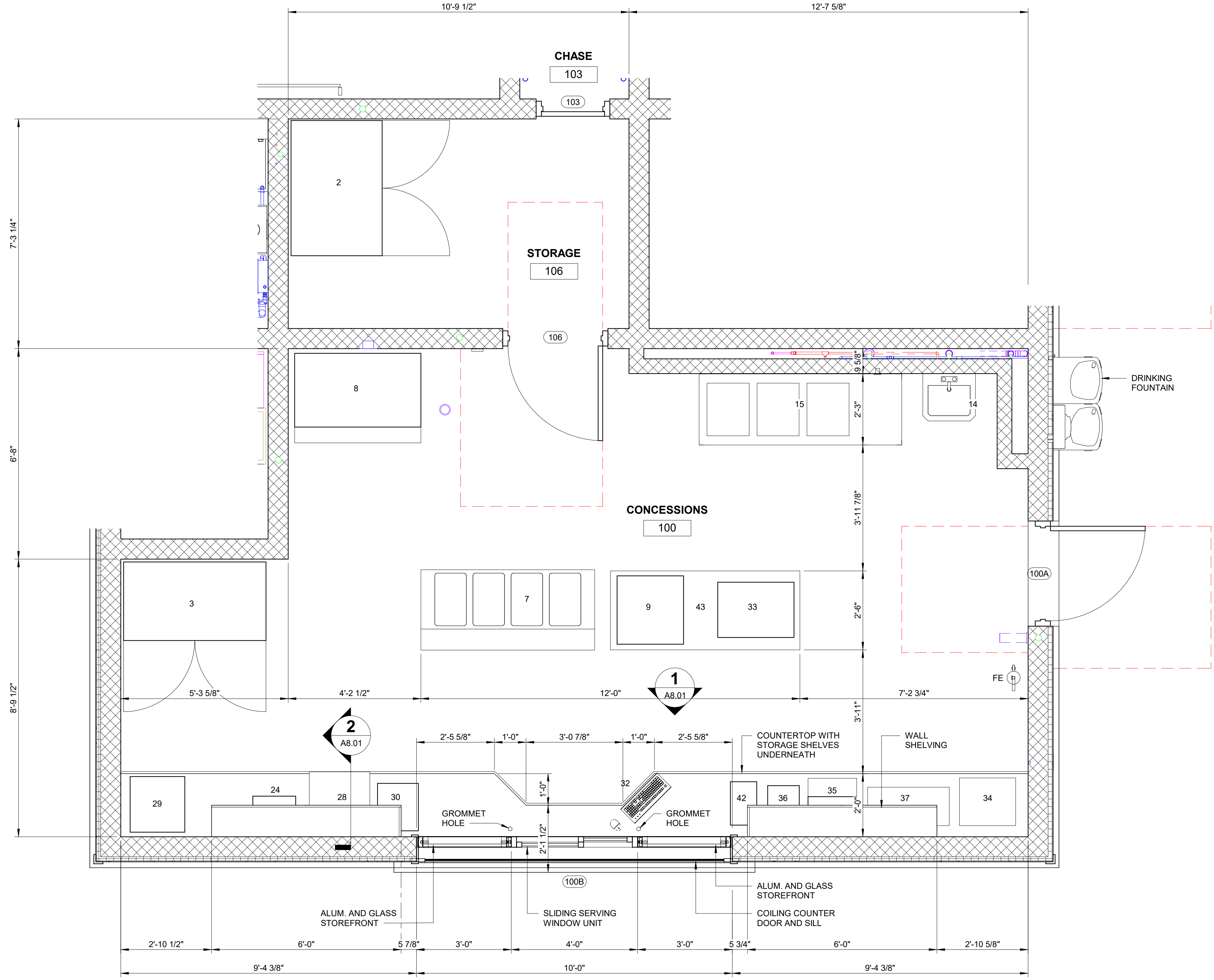
GUNTERSVILLE, ALABAMA

REVISION INFORMATION

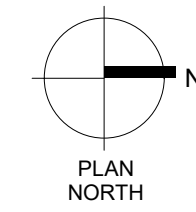
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**A4.01**  
 FILE NO. 37106-01

Drawing Set: A4.02, CONCESSIONS ENLARGED PLAN  
 Drawing: 37106-01, CONCESSIONS ENLARGED PLAN  
 File: 37106-01.dwg  
 Date: 4/21/2023 9:14:03 AM



- CONCESSION EQUIPMENT (NIC)**
- 2 REACH-IN REFRIGERATOR
  - 3 LARGE DRINK COOLER
  - 7 HOT FOOD SERVER
  - 8 ICE MACHINE
  - 9 PIZZA OVEN
  - 14 HAND SINK
  - 15 THREE COMPARTMENT SINK
  - 24 COFFEE BREWER
  - 28 FOUNTAIN DRINK MACHINE
  - 29 POPCORN MACHINE
  - 30 SHAVED ICE MACHINE
  - 31 SHELVING
  - 32 POINT OF SALE REGISTER
  - 33 GREASELESS FRYER
  - 34 MICROWAVE
  - 35 PRETZEL MERCH.
  - 36 NACHO CHEESE CABINET
  - 37 COUNTER TOP WARMER
  - 42 NACHO CHEESE DISPENSER
  - 43 WORK TABLE 30 X 72



**1 CONCESSION / RESTROOM ENLARGED CONCESSION ROOM PLAN**

A4.02 SCALE: 1/2" = 1'-0"



CONCESSIONS ENLARGED PLAN

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2

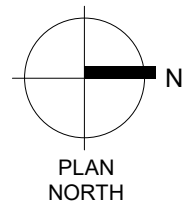
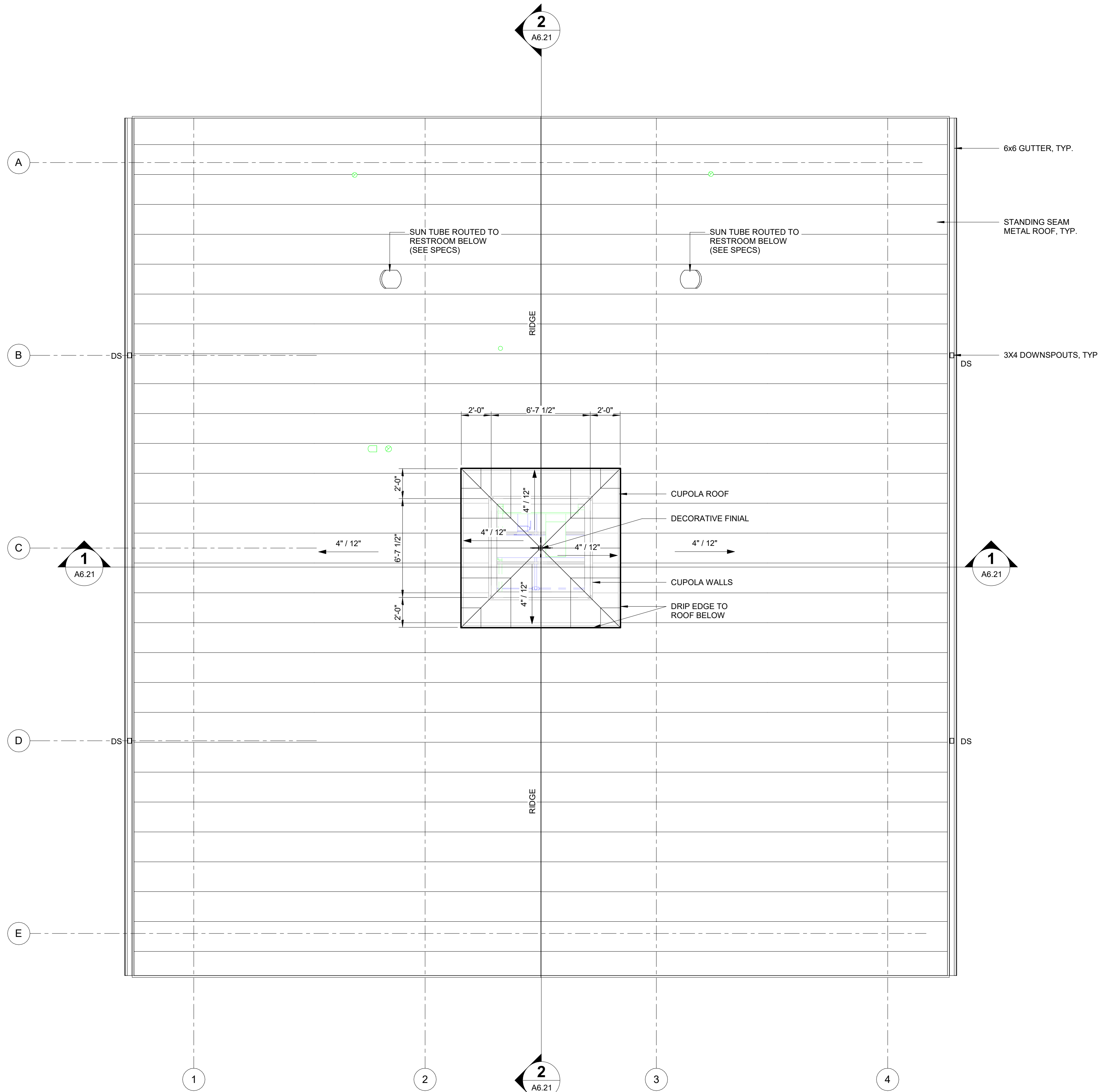
GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DESCRIPTION
REV	CHK	DATE
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	KO	ISSUED FOR BID

A4.02

FILE NO. 37106-01

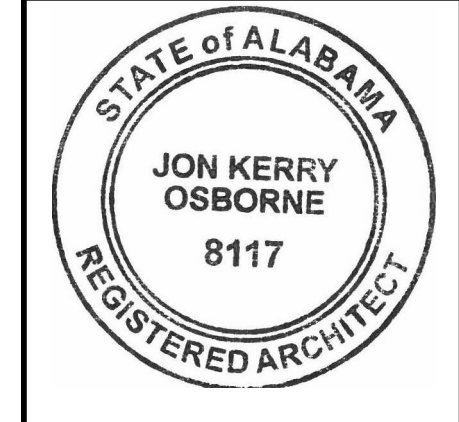
Drawing Set: 6.3  
 Drawing: A5.01 CONCESSION / RESTROOM ROOF PLAN  
 File: 37106-01 - Guntersville Park Design/1000\_GPD02\_A\_100.rvt  
 Date: 4/21/2023 9:13:33 AM



1  
A5.01

**CONCESSION/RESTROOM ROOF PLAN - PHASE 2**

SCALE: 1/4" = 1'-0"



CONCESSION / RESTROOM ROOF PLAN  
 CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

REVISION INFORMATION		DESCRIPTION
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0	AJ	4/21/2023
	KO	ISSUED FOR BID

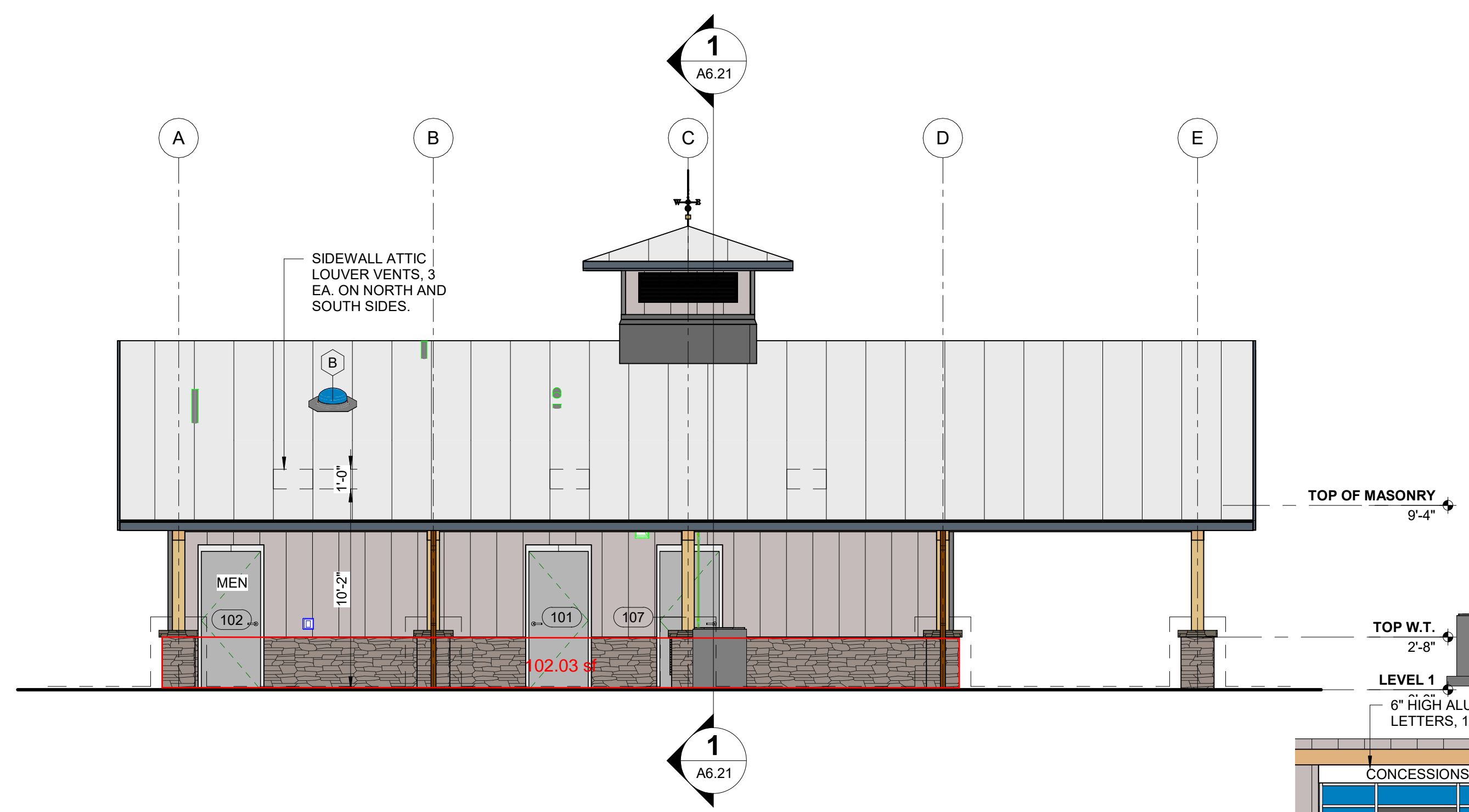
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 FILE NO. 37106-01



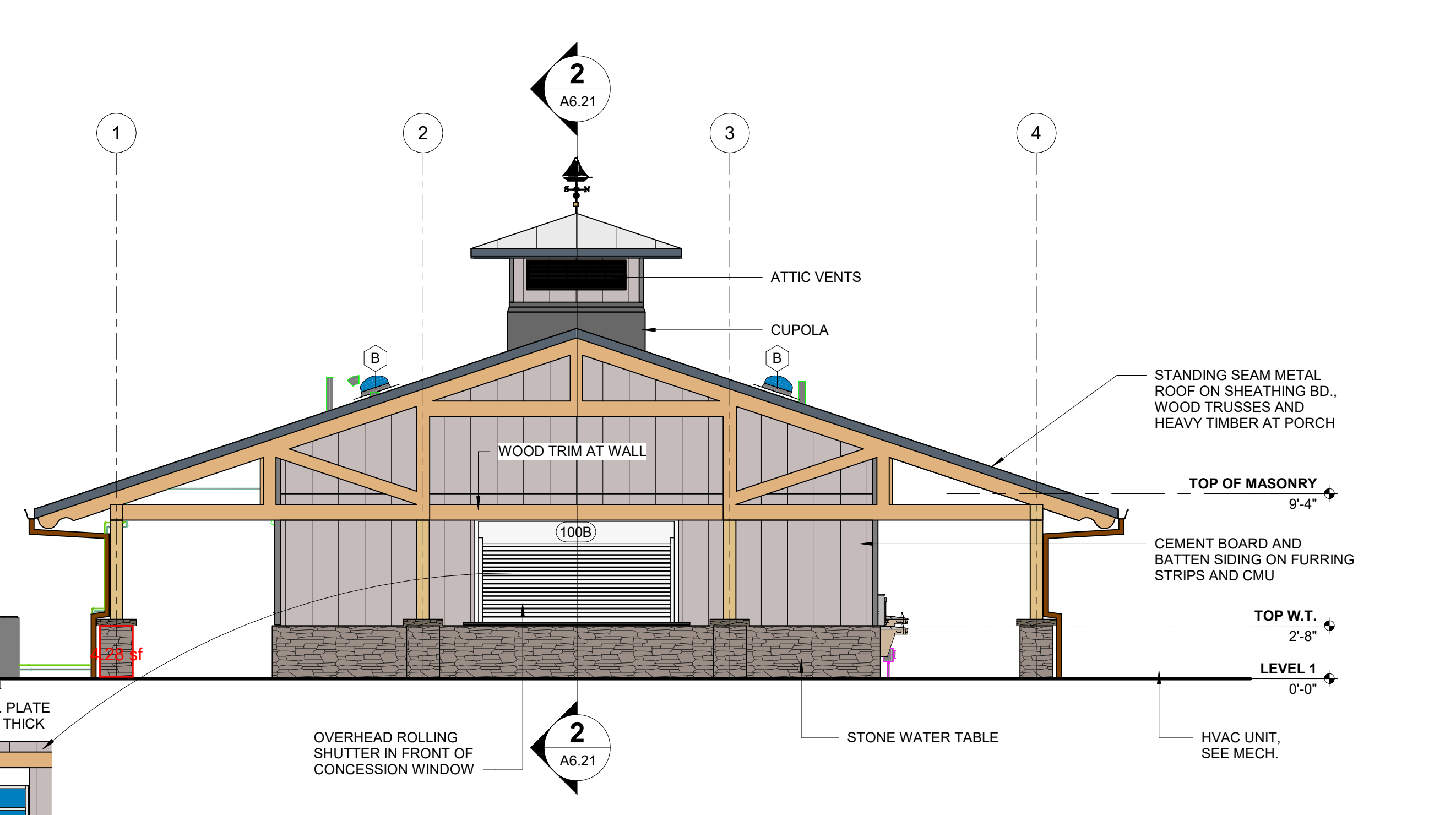
CONCESSION / RESTROOM ELEV.  
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

**A6.01**  
FILE NO. 37106-01

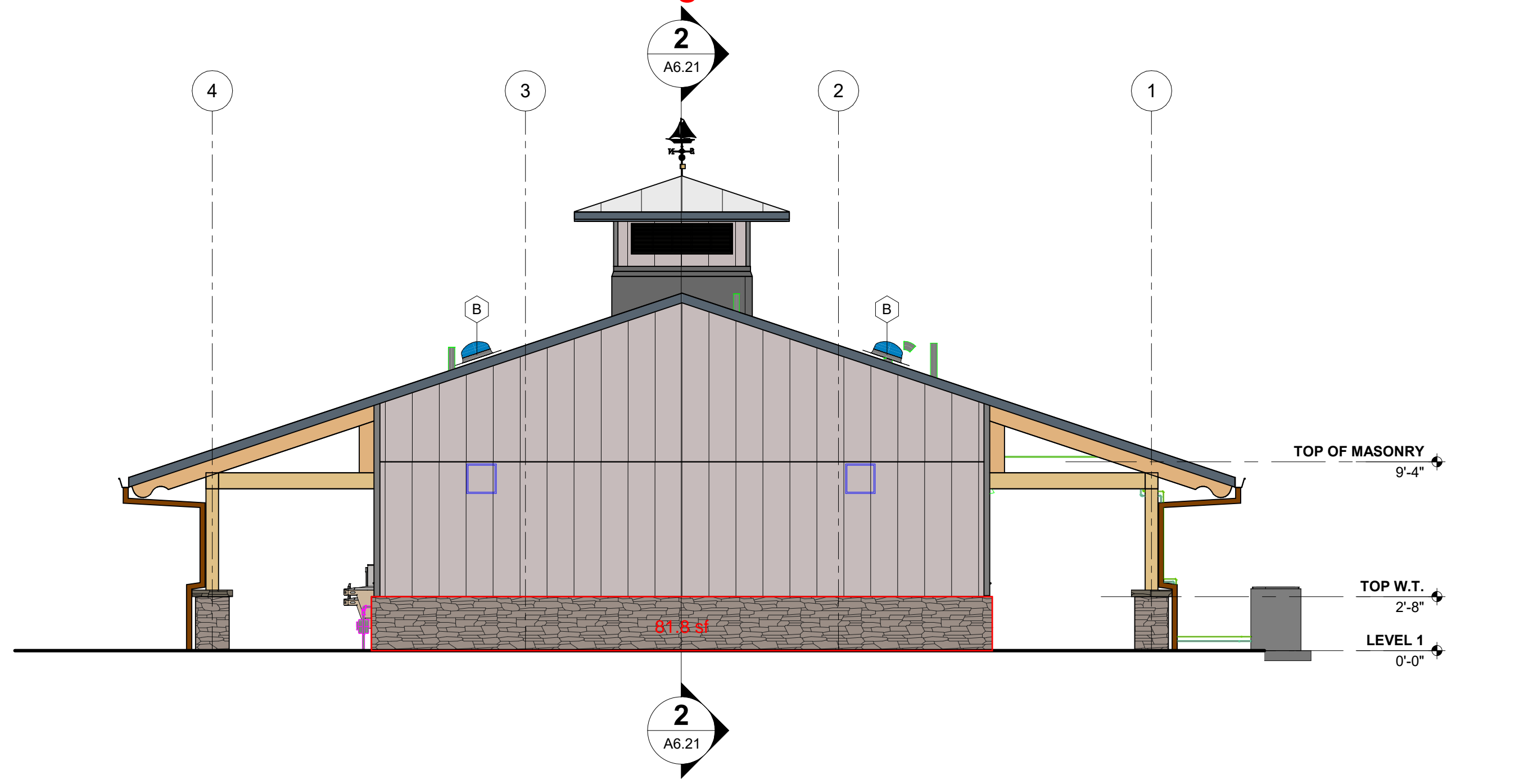
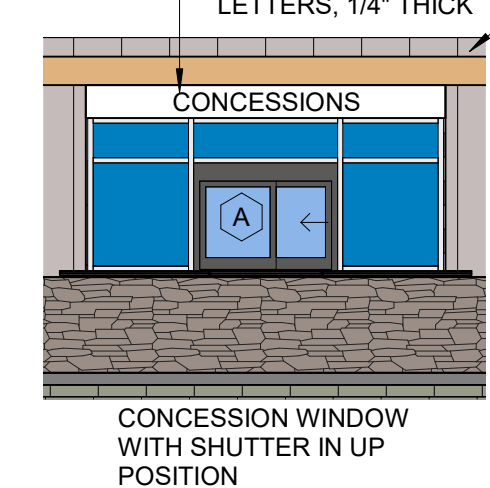


**2 CONCESSION / RESTROOM SOUTH ELEVATION - PHASE 2**  
A6.01 SCALE: 3/16" = 1'-0"

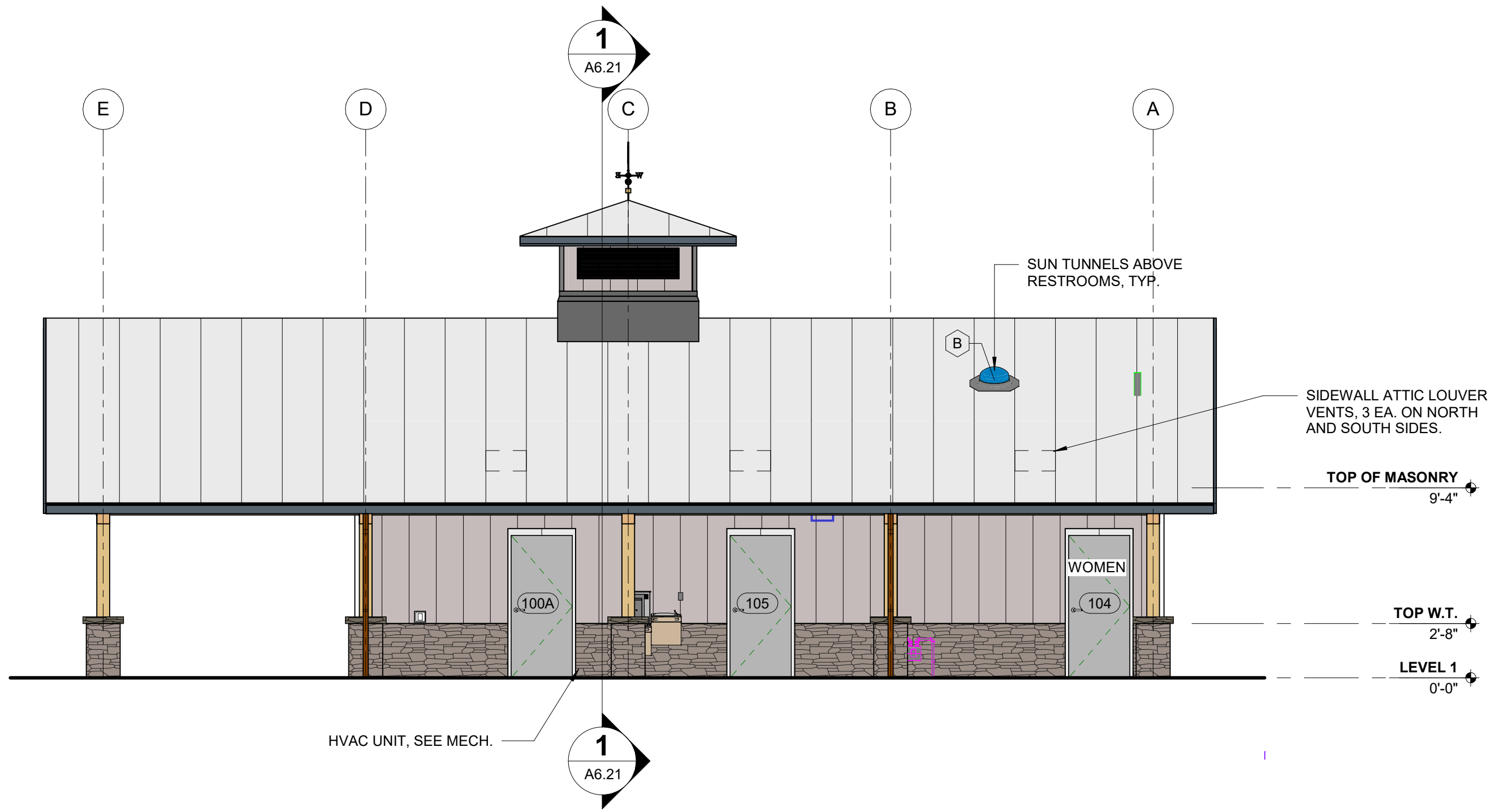


**1 CONCESSION / RESTROOM EAST ELEVATION - PHASE 2**  
A6.01 SCALE: 3/16" = 1'-0"

206 Sf tot for columns  
368 sf tot for siding

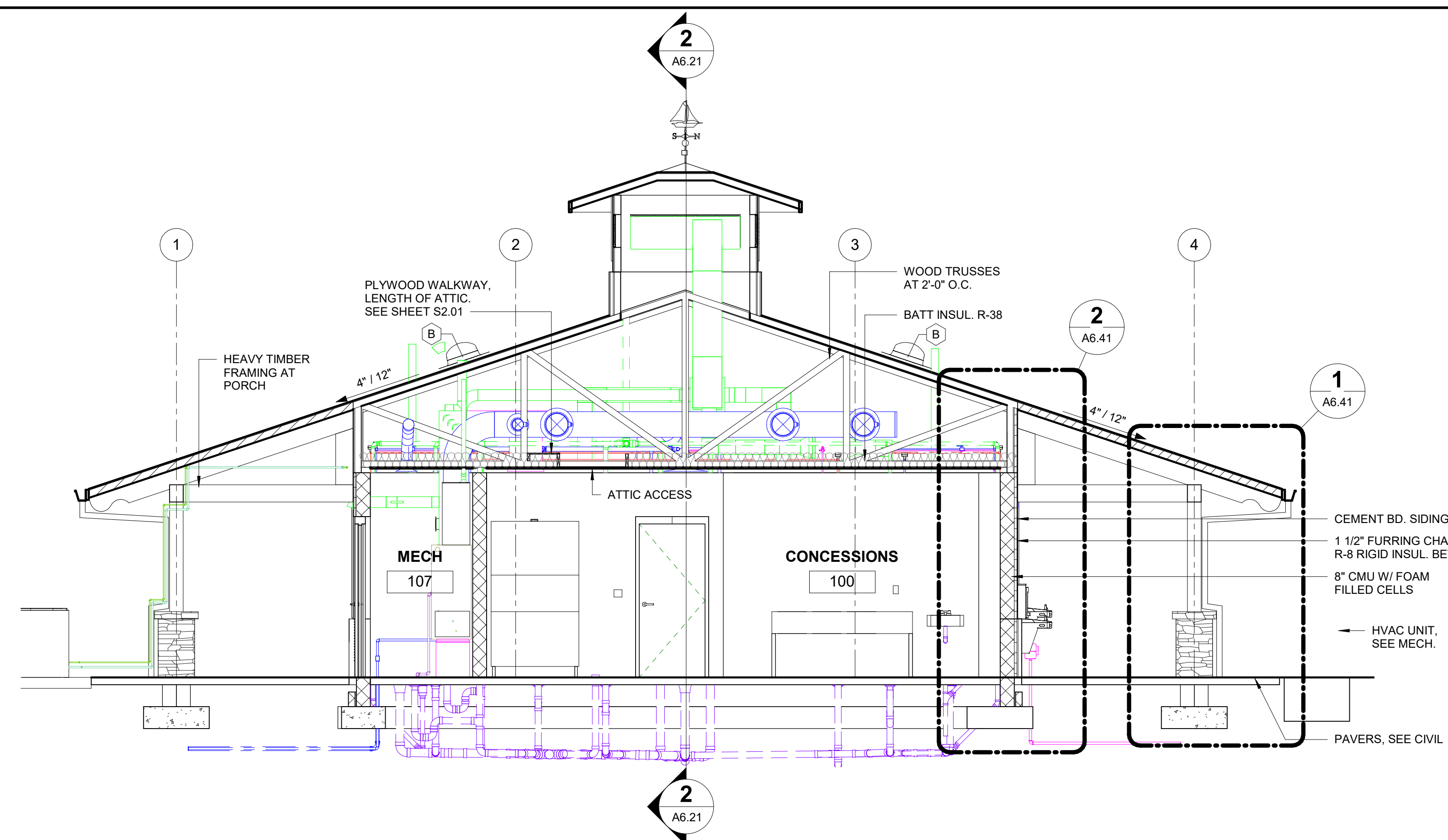


**3 CONCESSION / RESTROOM WEST ELEVATION - PHASE 2**  
A6.01 SCALE: 3/16" = 1'-0"

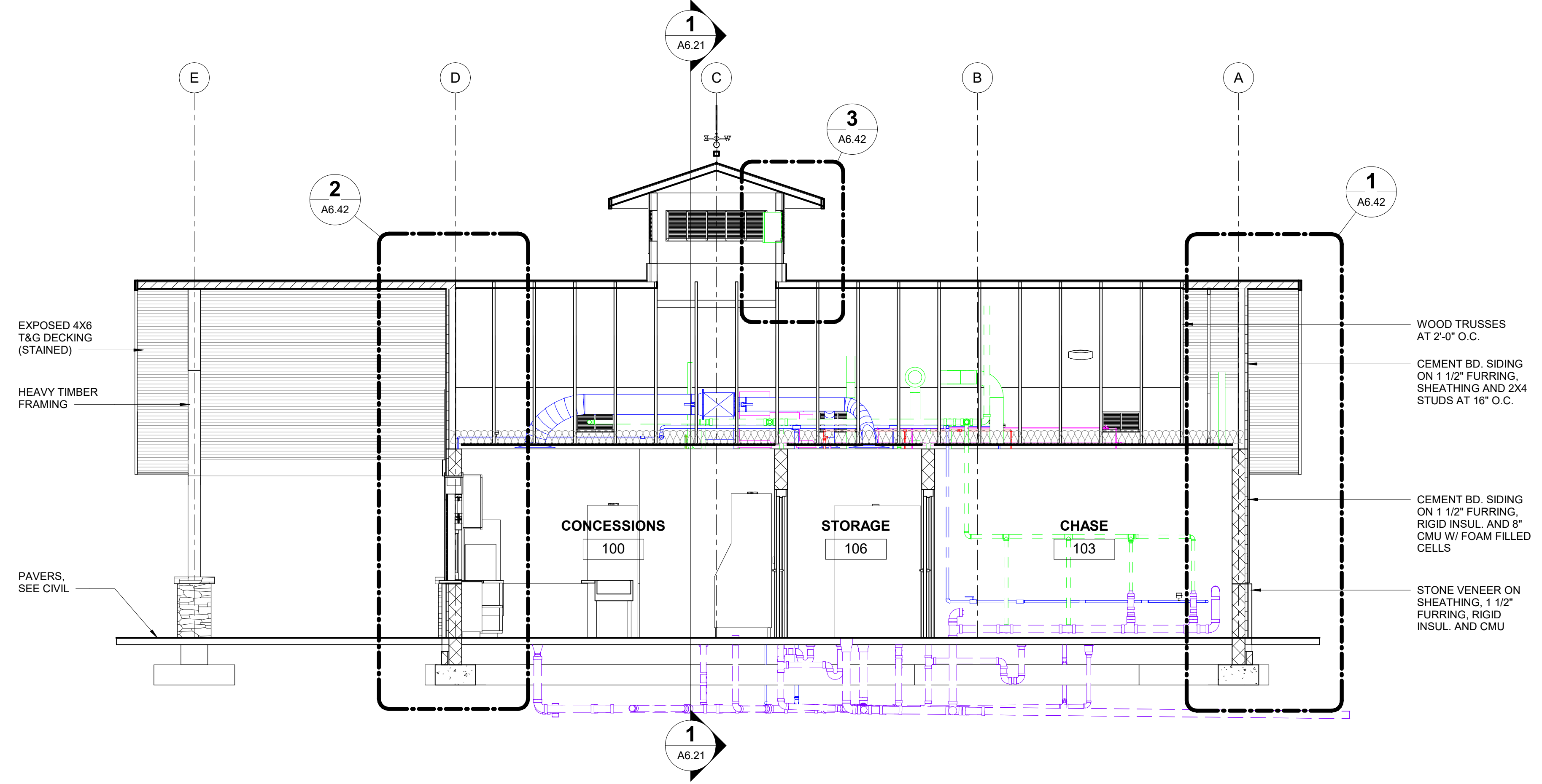


**4 CONCESSION / RESTROOM NORTH ELEVATION - PHASE 2**  
A6.01 SCALE: 3/16" = 1'-0"

Drawing Set: A6.01, CONCESSION / RESTROOM ELEV.  
 Drawing: A6.01, CONCESSION / RESTROOM ELEV.  
 File: A6.01\_01.dwg  
 Date: 4/21/2023 9:15:40 AM  
 User: JKO



**1 CONCESSION / RESTROOM BUILDING SECTION - PHASE 2**  
 A6.21 SCALE: 1/4" = 1'-0"



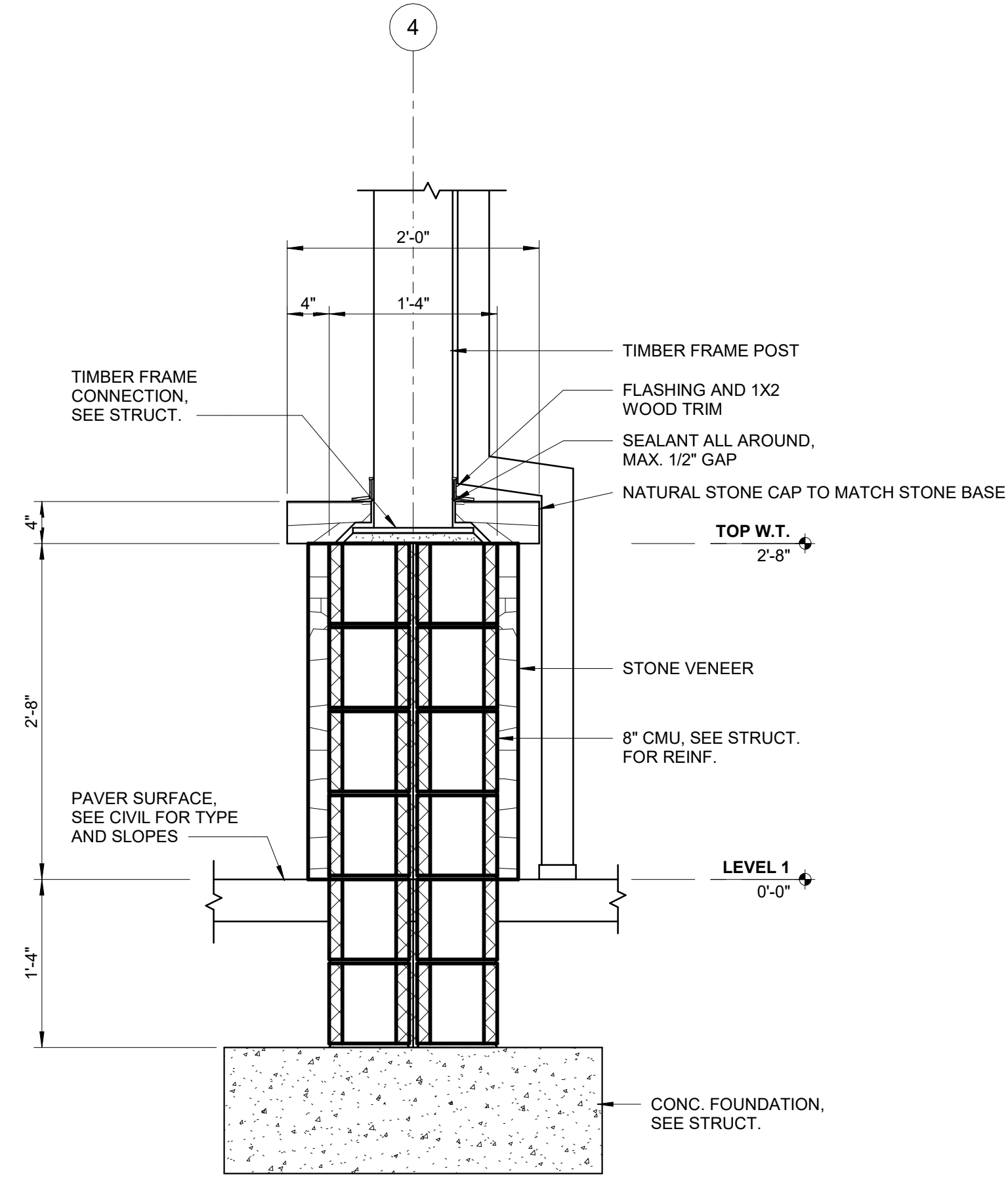
**2 CONCESSION / RESTROOM BUILDING SECTION - PHASE 2**  
 A6.21 SCALE: 1/4" = 1'-0"

Drawing Set: A6.21, CONCESSION / RESTROOM BLDG SECTIONS  
 Drawing: A6.21, CONCESSION / RESTROOM BLDG SECTIONS  
 File: A6.21, CONCESSION / RESTROOM BLDG SECTIONS  
 Date: 4/21/2023

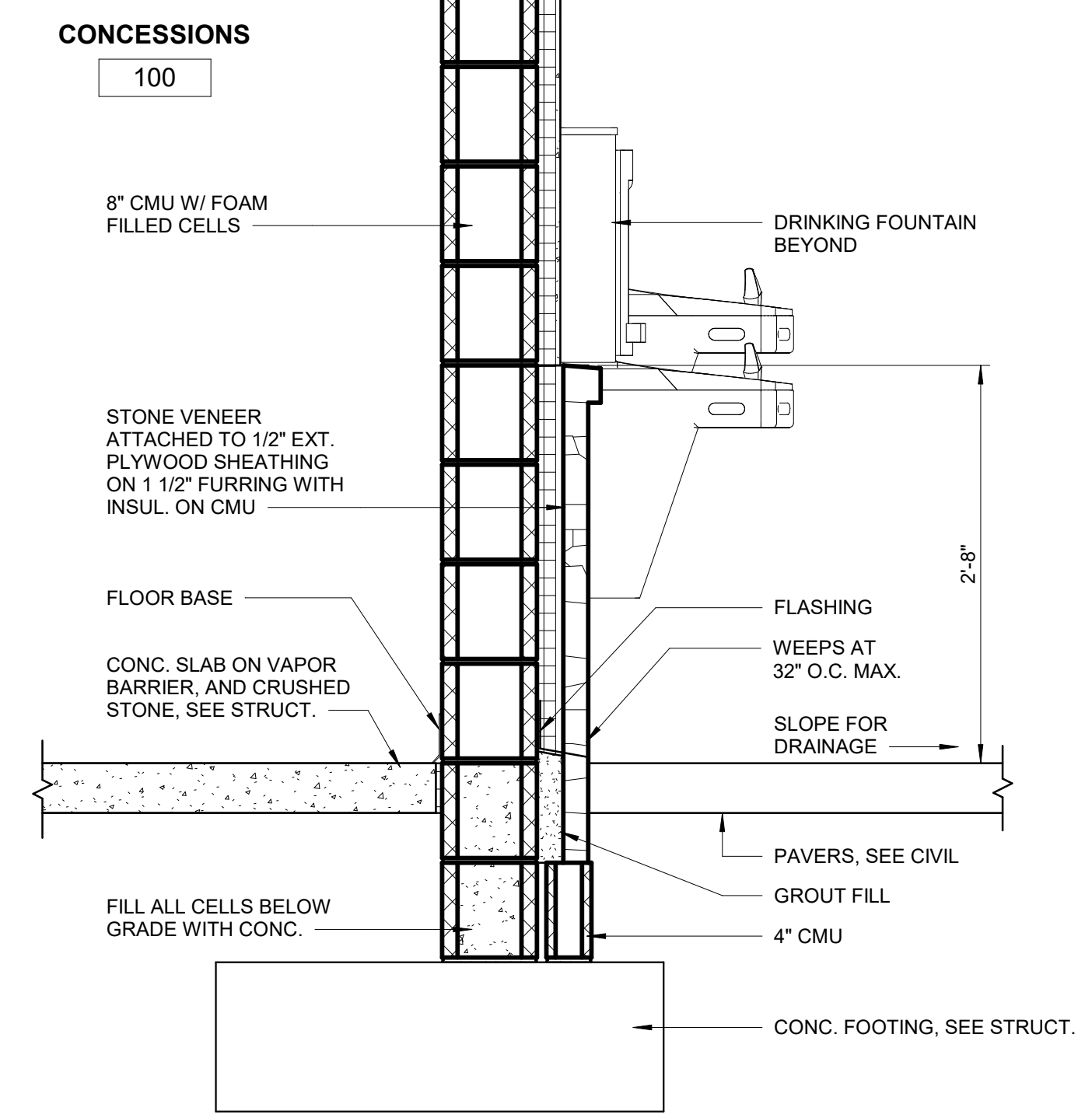
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REV	DR	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID

Drawing Set: A6.41 CONCESSION / RESTROOM WALL SECTIONS  
 Drawing: A6.41.01 Restroom Concession Wall Sections  
 File: A6.41.01.dwg  
 Date: 7/21/2023 10:15:44 AM

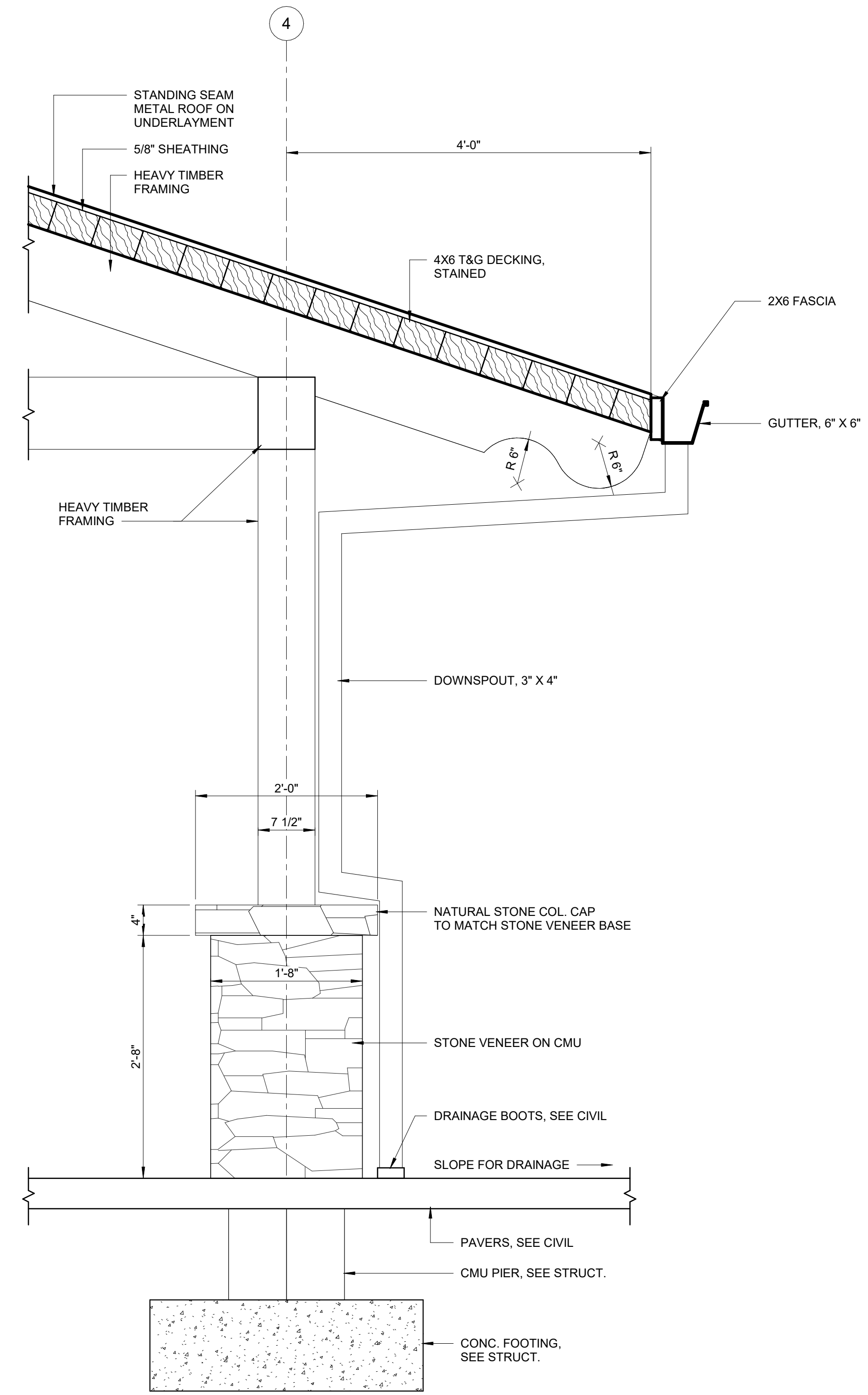
**3 SECTION THRU COLUMN**  
 A6.41 SCALE: 1" = 1'-0"



**2 WALL SECTION**  
 A6.41 SCALE: 1" = 1'-0"



**1 WALL SECTION**  
 A6.41 SCALE: 1" = 1'-0"



**TIMBER FRAME NOTES**

1. TIMBER FRAME WORK IS A DELEGATED DESIGN AND ALL MEMBER SIZES AND CONNECTIONS SHALL BE DETERMINED BY THE TIMBER MANUFACTURER. SEE STRUCTURAL DRAWING S2.01 FOR ADDITIONAL NOTES.
2. TIMBER FRAME WOOD SHALL BE ROUGH CUT CYPRESS WITH A CLEAR STAIN FINISH.



**CONCESSION / RESTROOM WALL SECTIONS**

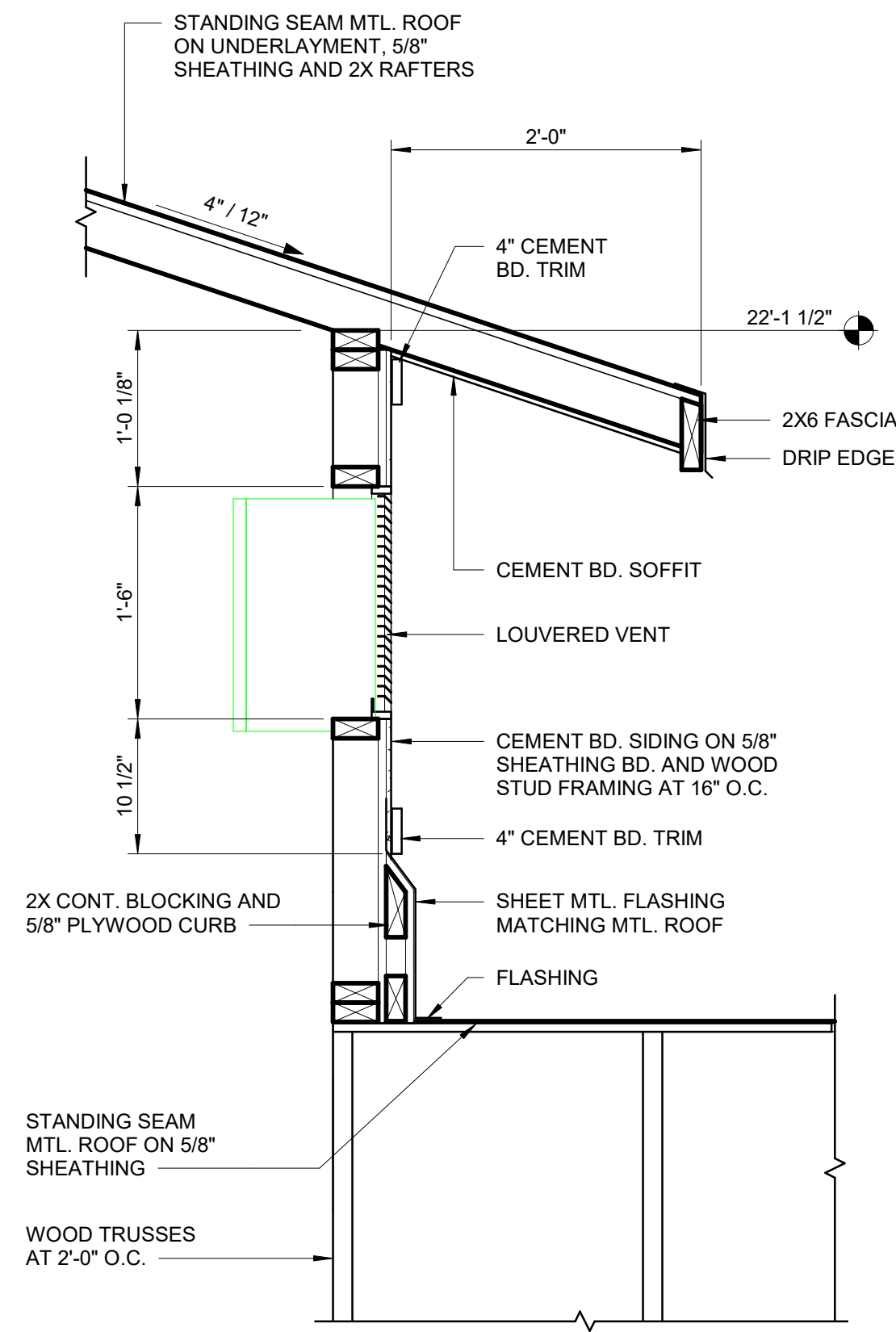
**CITY OF GUNTERVILLE  
 GUNTERVILLE PARK - PHASE 2**

GUNTERVILLE, ALABAMA

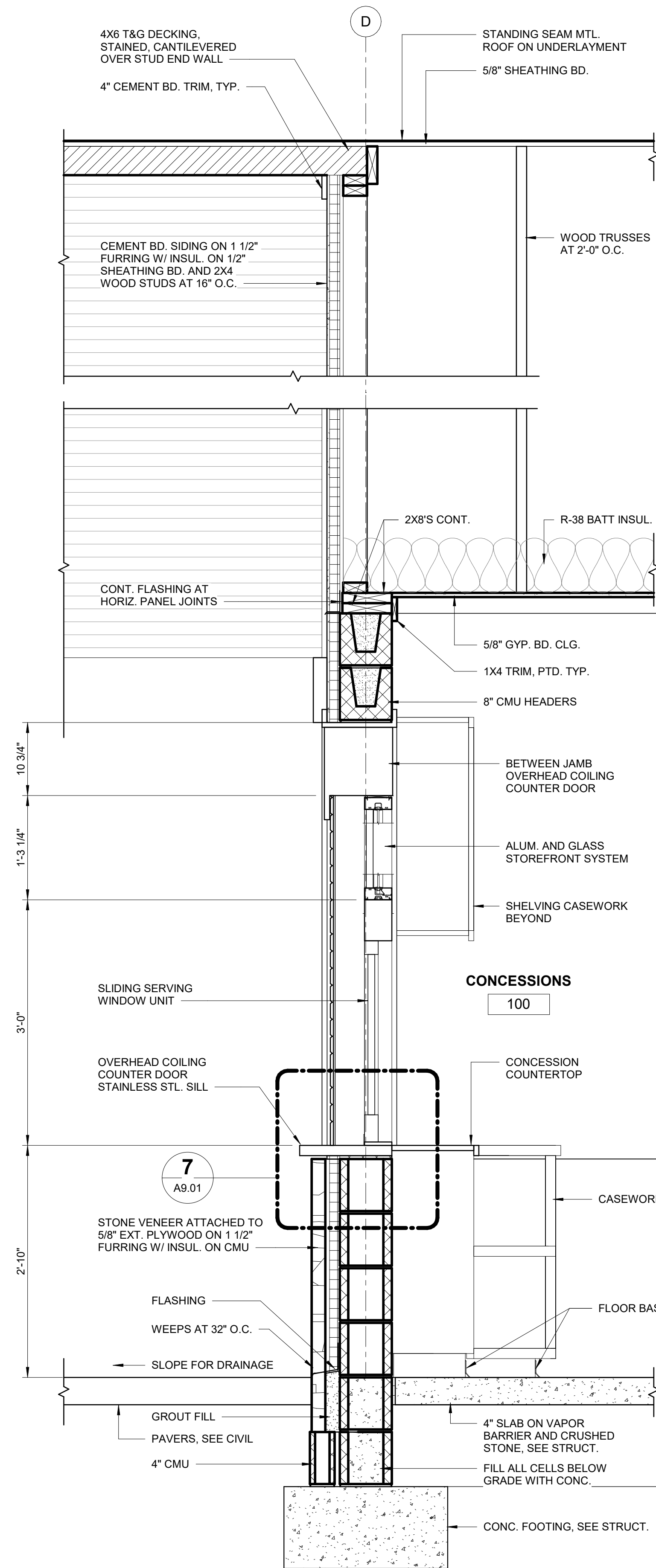
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REV	CHK	DATE	DESCRIPTION
0	AJ	7/21/2023	ISSUED FOR BID



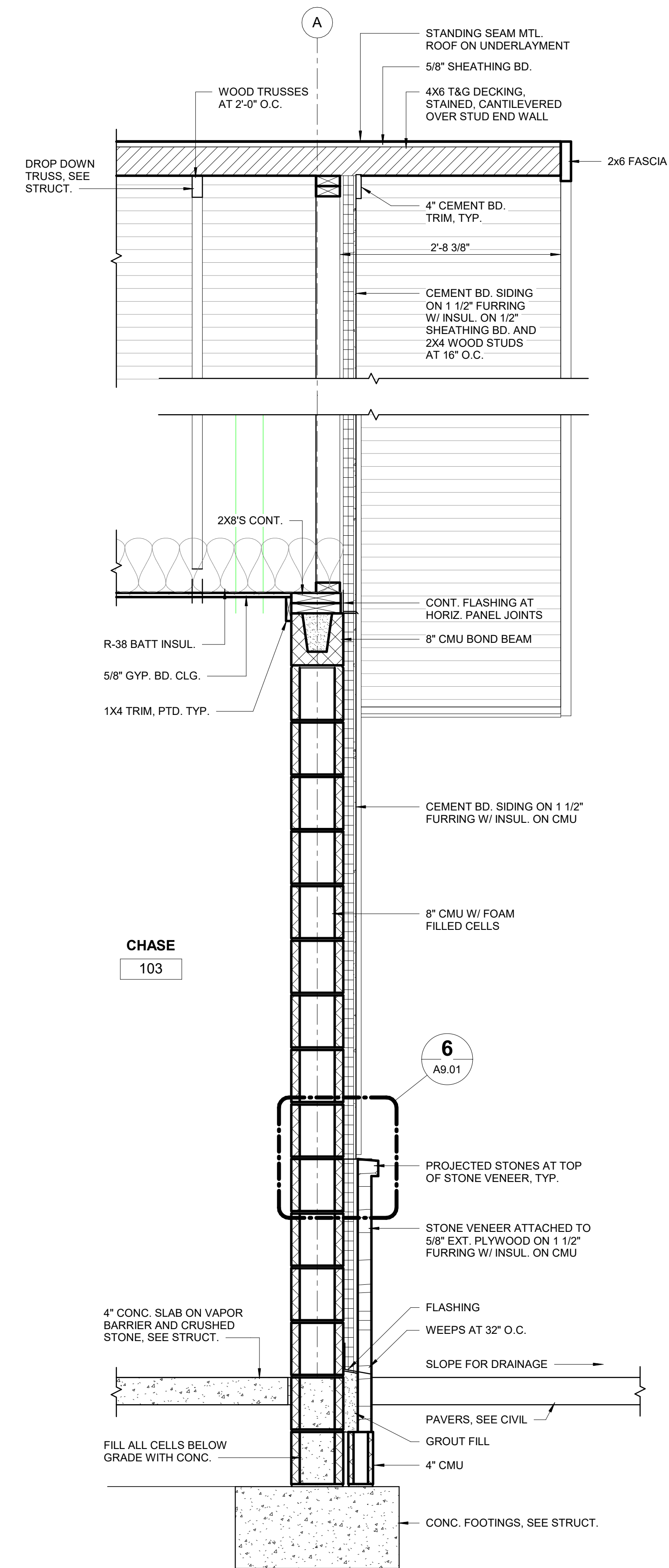
Drawing Set: A6.42 CONCESSION / RESTROOM WALL SECTIONS  
 Drawing: A6.42.01 Restroom Wall Sections  
 File: A6.42.01.dwg  
 Date: 4/21/2023 9:18:34 AM



**3** SECTION THRU CUPOLA  
A6.42 SCALE: 1" = 1'-0"



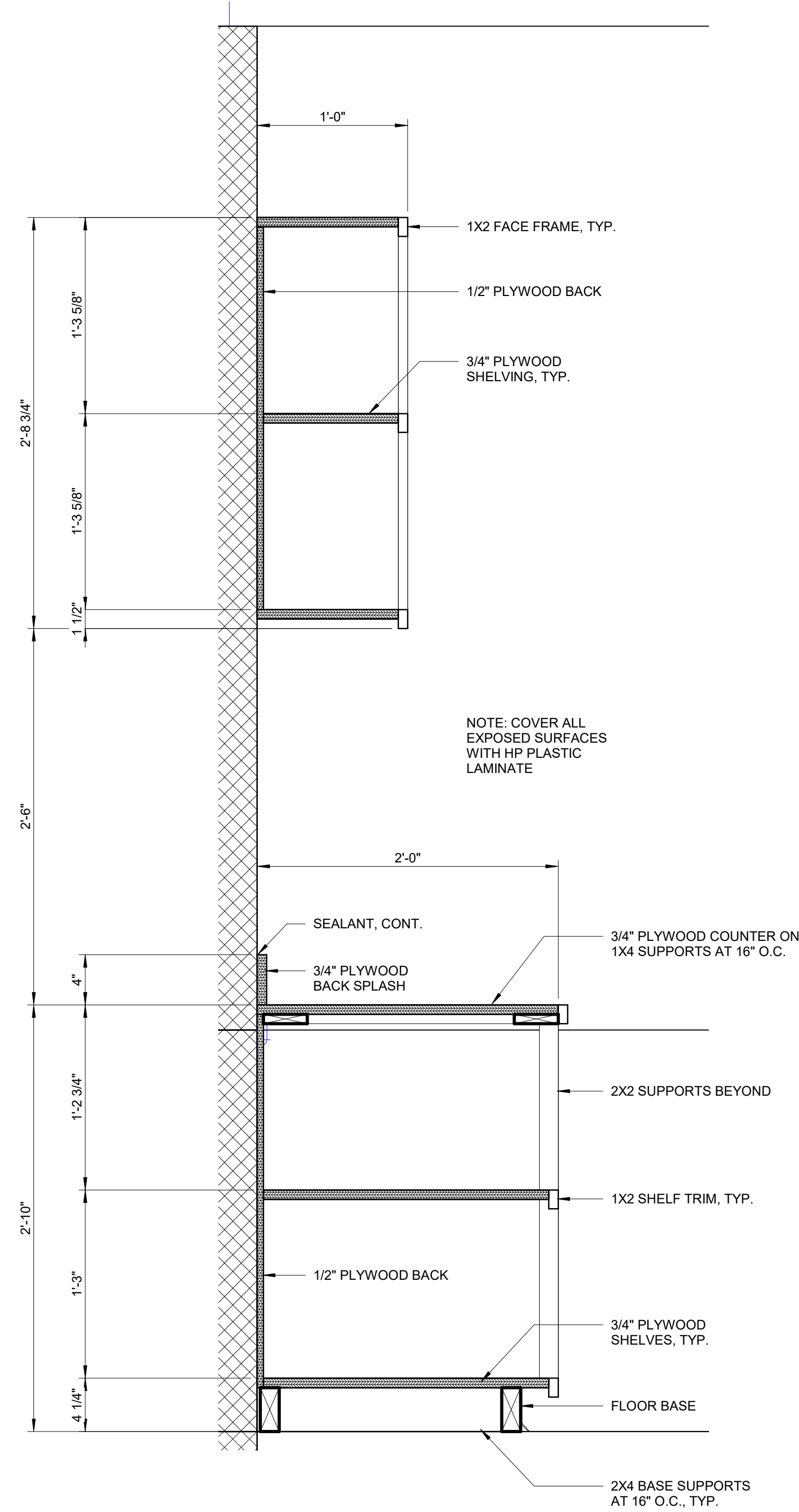
**2** WALL SECTION  
A6.42 SCALE: 1" = 1'-0"



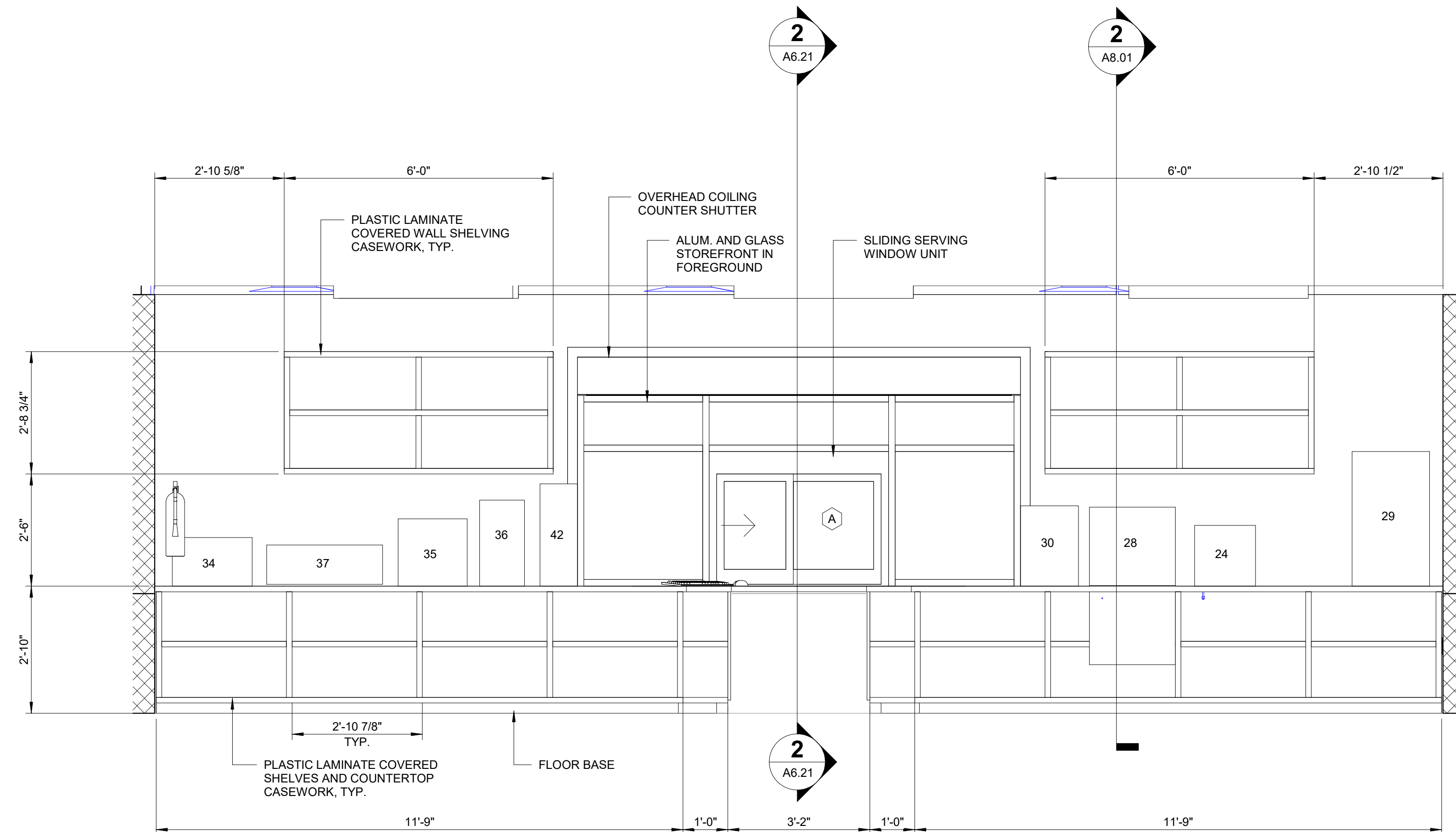
**1** WALL SECTION  
A6.42 SCALE: 1" = 1'-0"

REVISION INFORMATION		DESCRIPTION
REV.	CHK.	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID

Drawing Set: A8.01 CONCESSION / RESTROOMS INTERIOR ELEV.  
 Drawing: 001 CONCESSION / RESTROOMS INTERIOR ELEV.  
 File: C:\Users\jerry@barga.com\OneDrive\Documents\Projects\2023\A8.01\A8.01.dwg  
 Date: 4/21/2023 9:10:02 AM



**2 SECTION THRU CONCESSION CASEWORK**  
 SCALE: 1 1/2" = 1'-0"



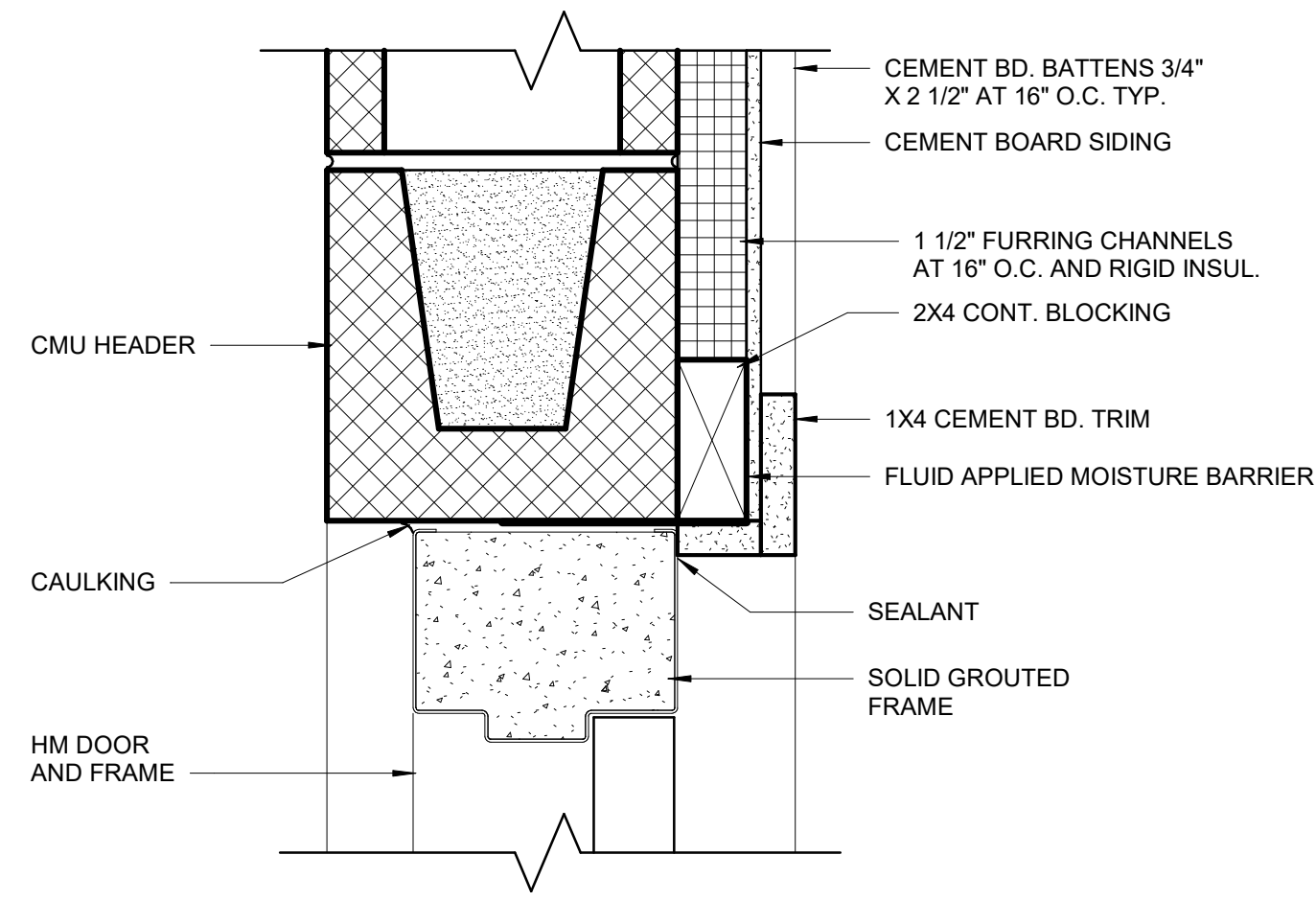
**1 CONCESSION COUNTER ELEVATION**  
 SCALE: 1/2" = 1'-0"

- CONCESSION EQUIPMENT (NIC)**
- 2 REACH-IN REFRIGERATOR
  - 3 LARGE DRINK COOLER
  - 7 HOT FOOD SERVER
  - 8 ICE MACHINE
  - 9 PIZZA OVEN
  - 14 HAND SINK
  - 15 THREE COMPARTMENT SINK
  - 24 COFFEE BREWER
  - 28 FOUNTAIN DRINK MACHINE
  - 29 POPCORN MACHINE
  - 30 SHAVED ICE MACHINE
  - 31 SHELVING
  - 32 POINT OF SALE REGISTER
  - 33 GREASELESS FRYER
  - 34 MICROWAVE
  - 35 PRETZEL MERCH
  - 36 NACHO CHEESE CABINET
  - 37 COUNTER TOP WARMER
  - 42 NACHO CHEESE DISPENSER
  - 43 WORK TABLE 30 X 72

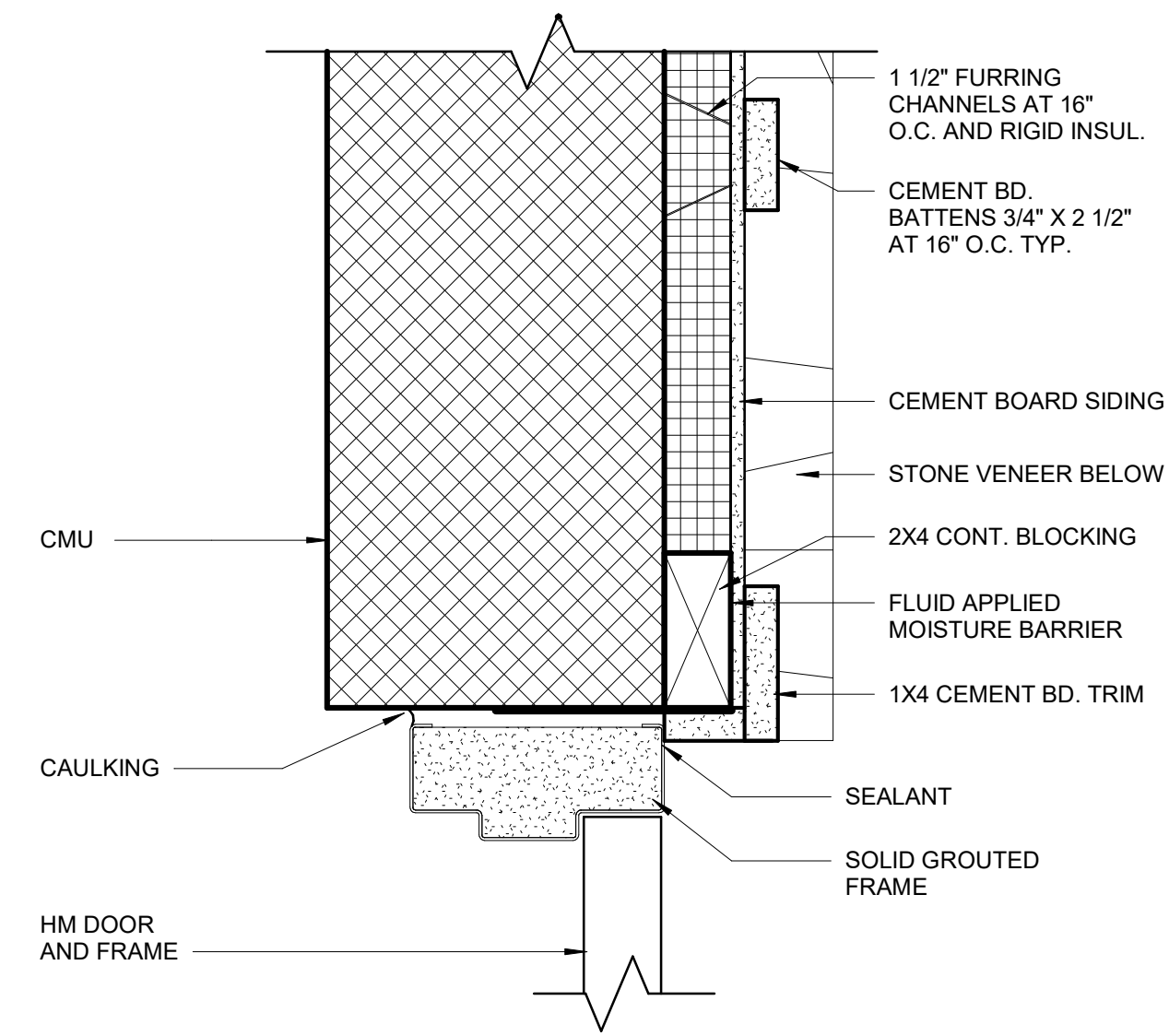


CONCESSION / RESTROOMS INTERIOR ELEV.  
 CITY OF GUNTERSVILLE  
 GUNTERSVILLE PARK - PHASE 2  
 GUNTERSVILLE, ALABAMA

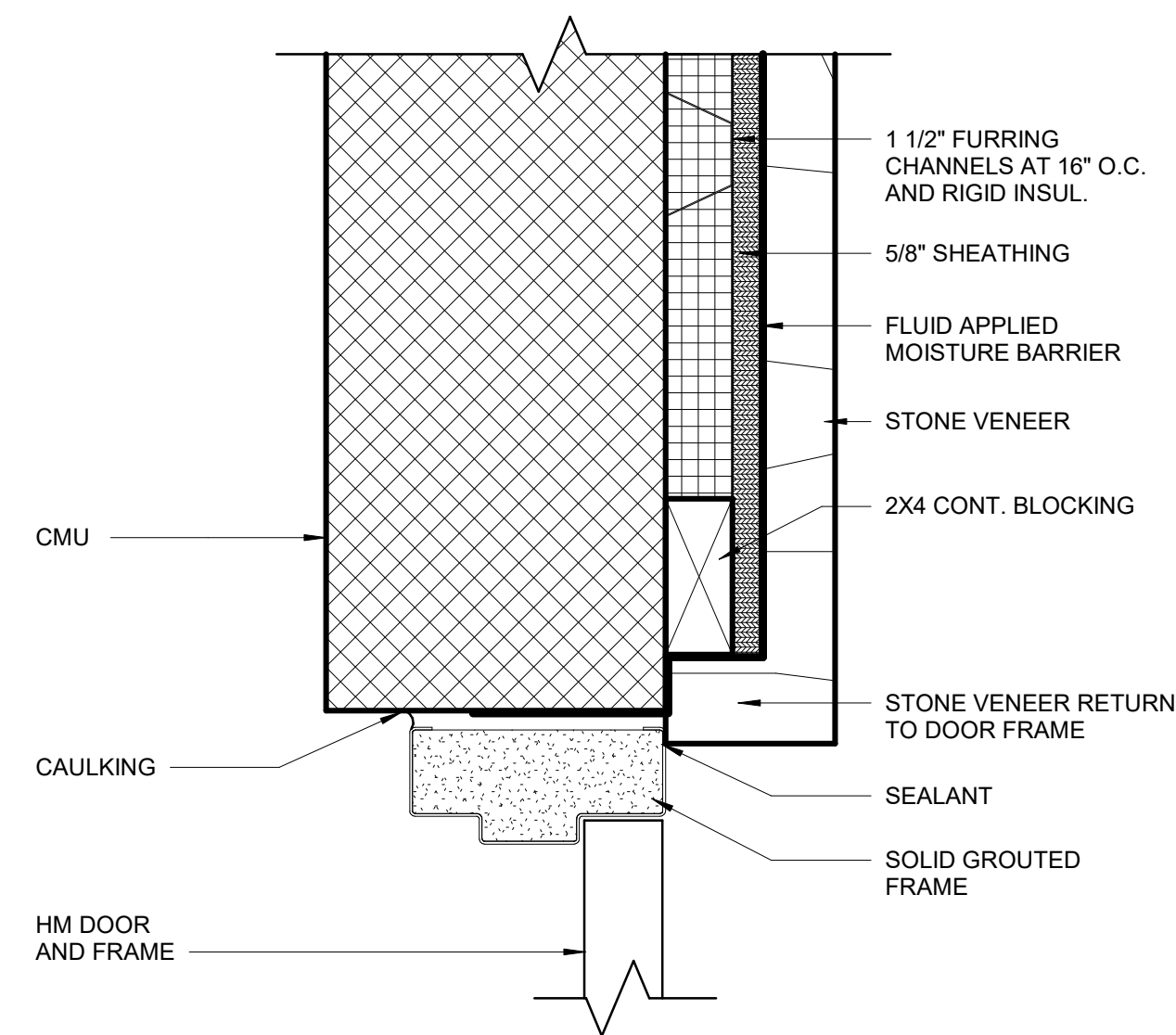
REVISION INFORMATION		DESCRIPTION
REV.	CHK.	DATE
0	AJ	4/21/2023
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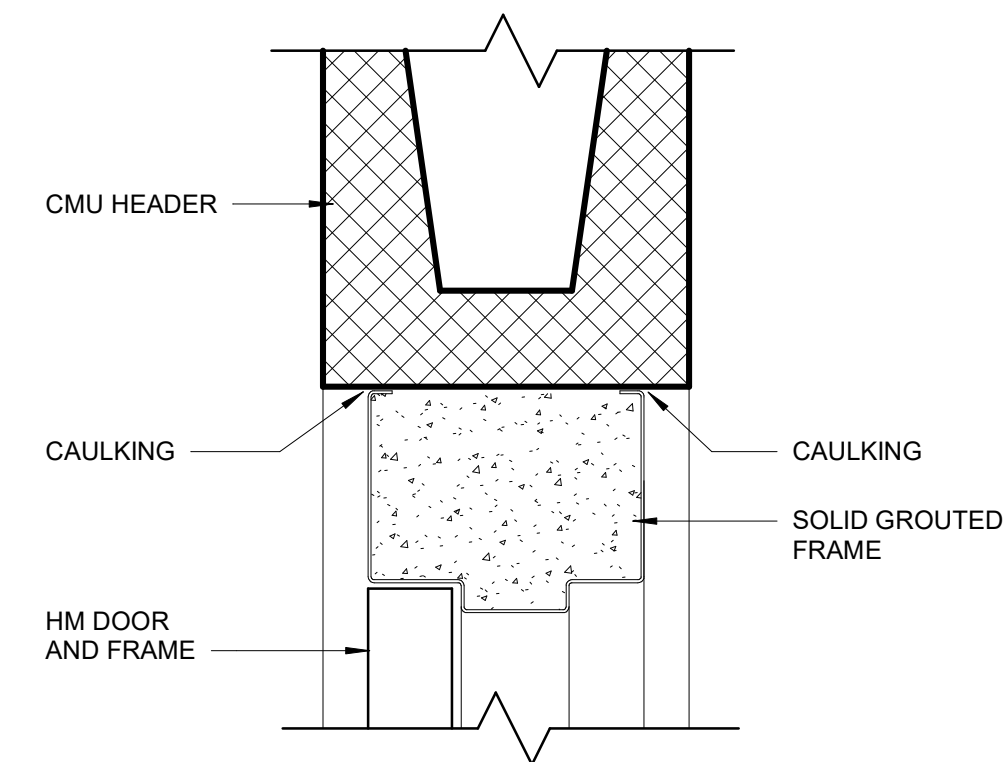
**1 EXTERIOR DOOR HEAD**  
A9.01 SCALE: 3" = 1'-0"



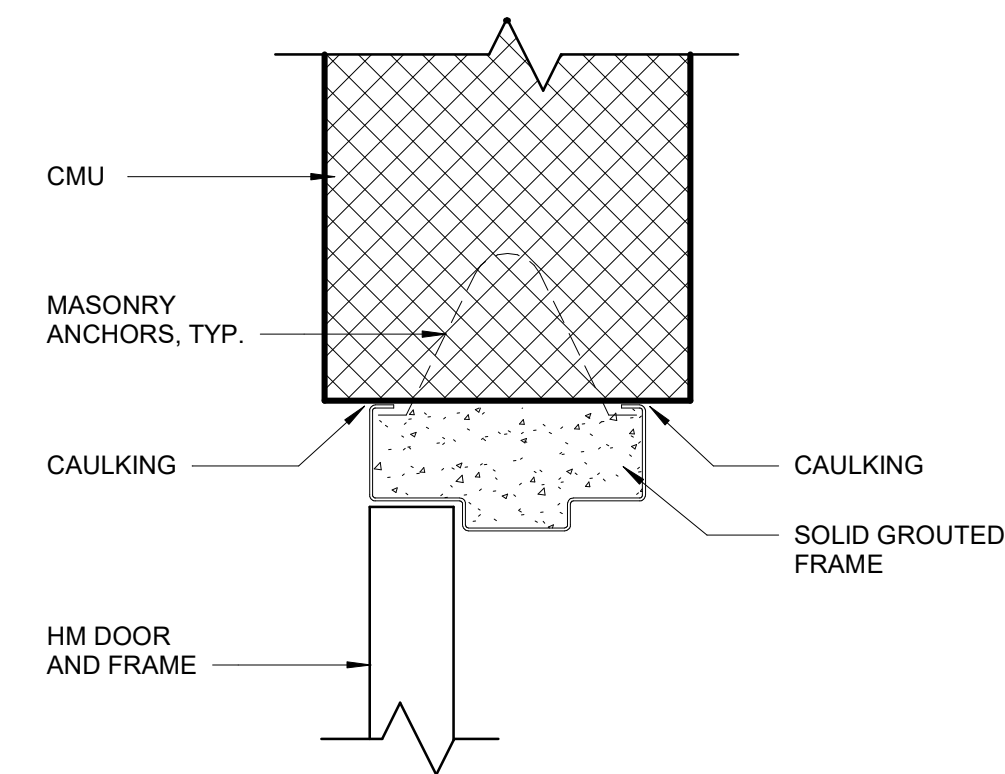
**2 EXTERIOR DOOR JAMB**  
A9.01 SCALE: 3" = 1'-0"



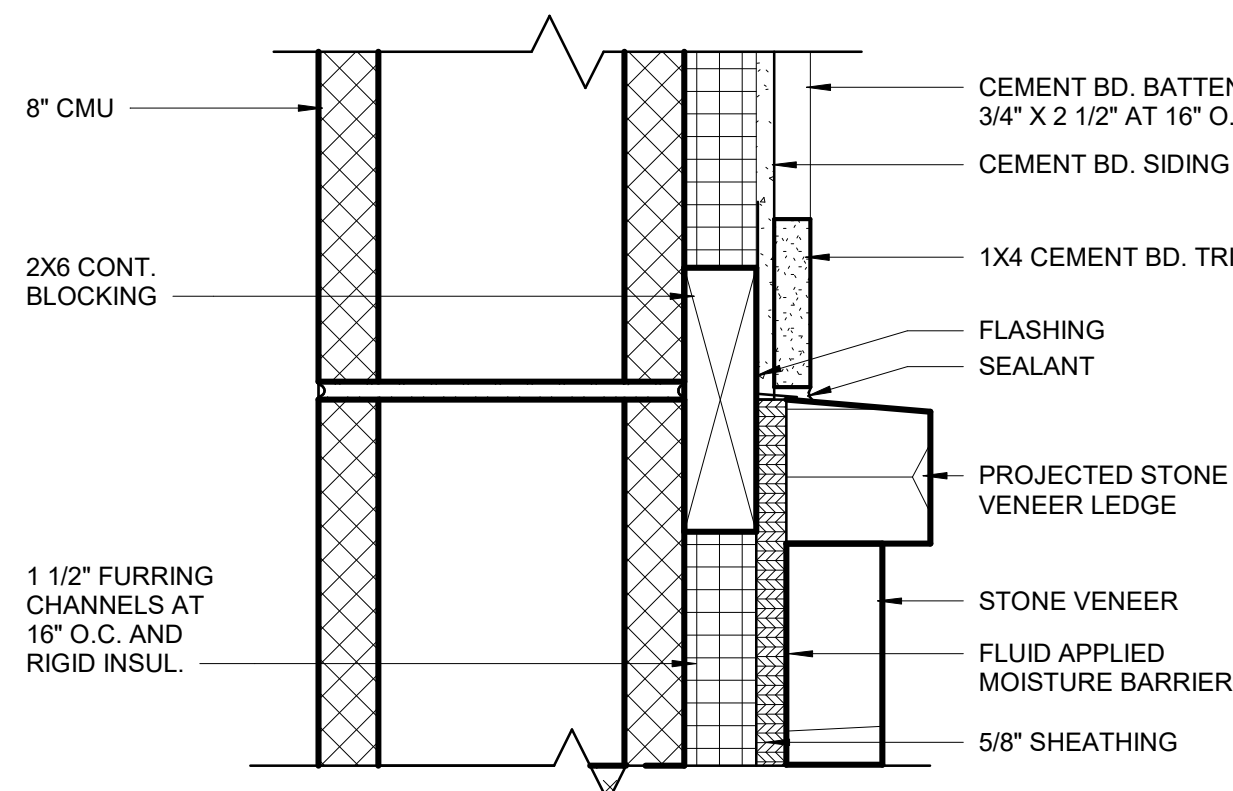
**3 EXTERIOR DOOR JAMB AT STONE**  
A9.01 SCALE: 3" = 1'-0"



**4 INTERIOR DOOR HEAD**  
A9.01 SCALE: 3" = 1'-0"

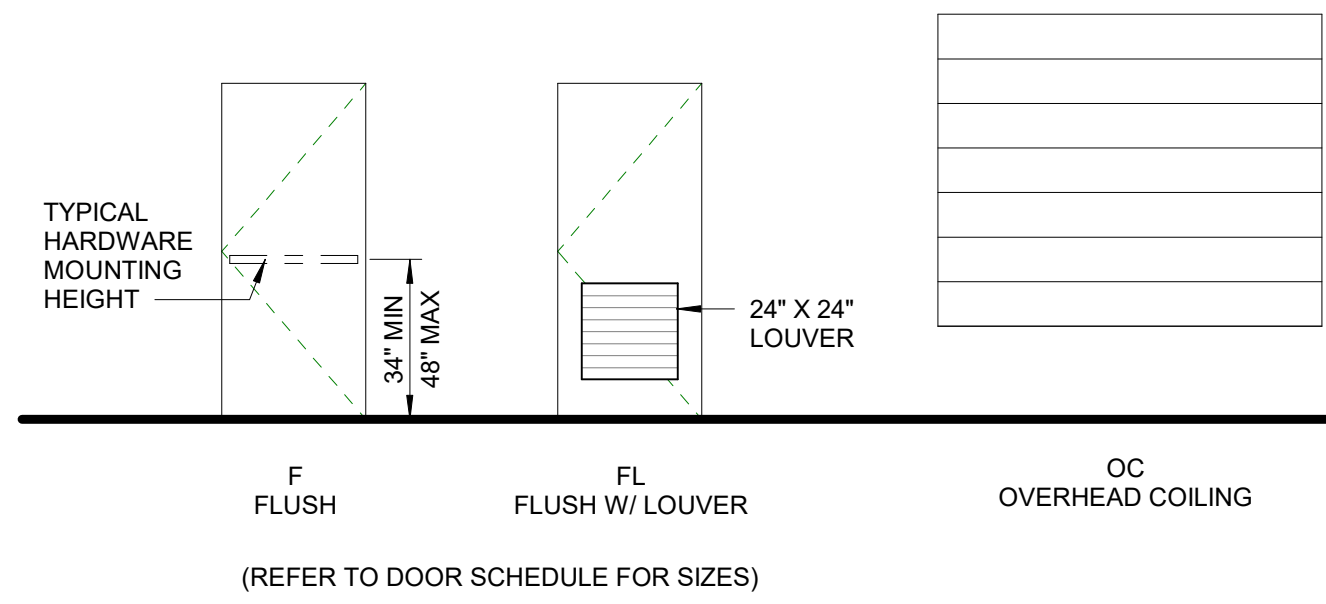


**5 INTERIOR DOOR JAMB**  
A9.01 SCALE: 3" = 1'-0"

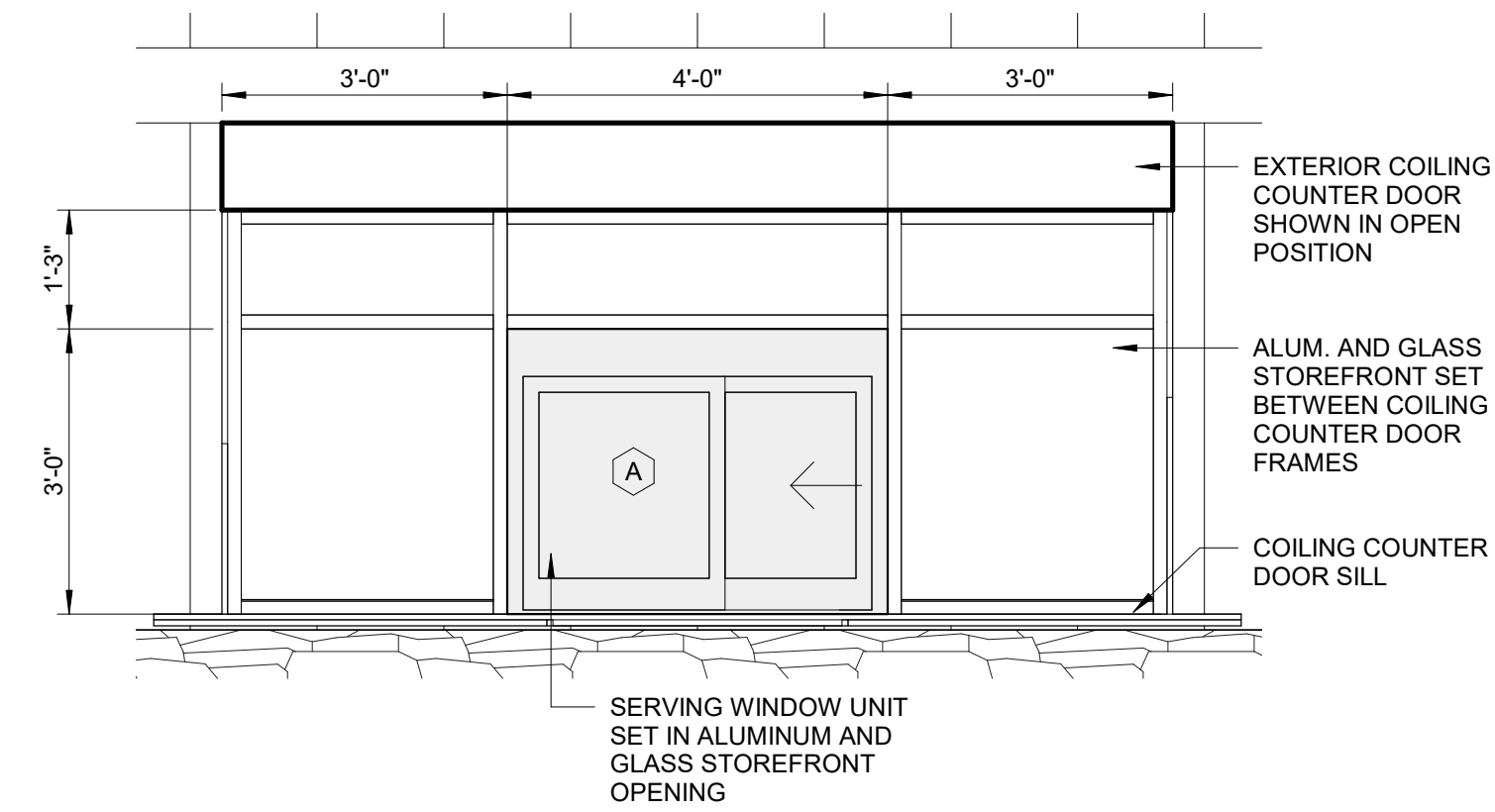


**6 SECTION AT SIDING TO STONE**  
A9.01 SCALE: 3" = 1'-0"

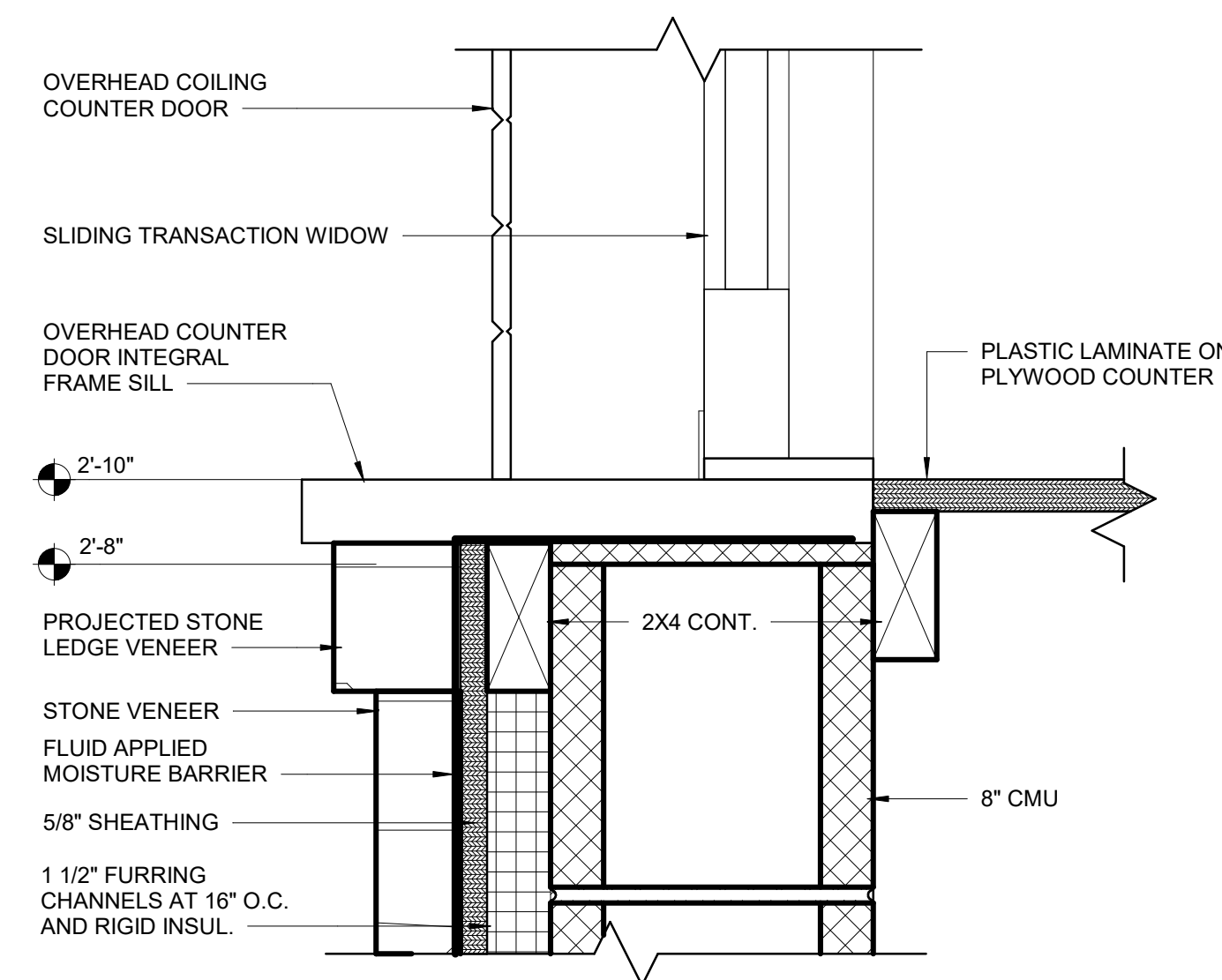
Door Number	LEAF INFORMATION			Type Mark	Material	Finish	FRAME INFORMATION				Hardware	Comments	
	Width	Height	Thickness				Frame Type	Material	Finish	Head			Jamb
100A	3'-0"	7'-0"	1 3/4"	F	HM	PTD	1	HM	PTD	1/A9.01	2&3/A9.01	1	SIGNAGE: "CONCESSIONS"
100B	10'-0"	8'-0"	1/2"	OC	STL	PTD		STL	PTD				SILL HEIGHT AT 2'-10" AFF
101	3'-0"	7'-0"	1 3/4"	F	HM	PTD	1	HM	PTD	1/A9.01	2&3/A9.01	2	SIGNAGE: "JANITOR CLOSET"
102	3'-0"	7'-0"	1 3/4"	F	HM	PTD	1	HM	PTD	1/A9.01	2&3/A9.01	3	SIGNAGE: "MEN" WITH HC SYMBOL
103	2'-0"	7'-0"	1 3/4"	F	HM	PTD	1	HM	PTD	4/A9.01	5/A9.01	4	
104	3'-0"	7'-0"	1 3/4"	F	HM	PTD	1	HM	PTD	1/A9.01	2&3/A9.01	3	SIGNAGE: "WOMEN" WITH HC SYMBOL
105	3'-0"	7'-0"	1 3/4"	F	HM	PTD	1	HM	PTD	1/A9.01	2&3/A9.01	5	SIGNAGE: "ELECTRICAL ROOM"
106	3'-0"	7'-0"	1 3/4"	F	HM	PTD	1	HM	PTD	4/A9.01	5/A9.01	4	
107	3'-0"	7'-0"	1 3/4"	FL	HM	PTD	1	HM	PTD	1/A9.01	2&3/A9.01	2	SIGNAGE: "MECHANICAL ROOM"



**DOOR LEAF TYPES**



**8 CONCESSION WINDOW ELEVATION**  
A9.01 SCALE: 1/2" = 1'-0"

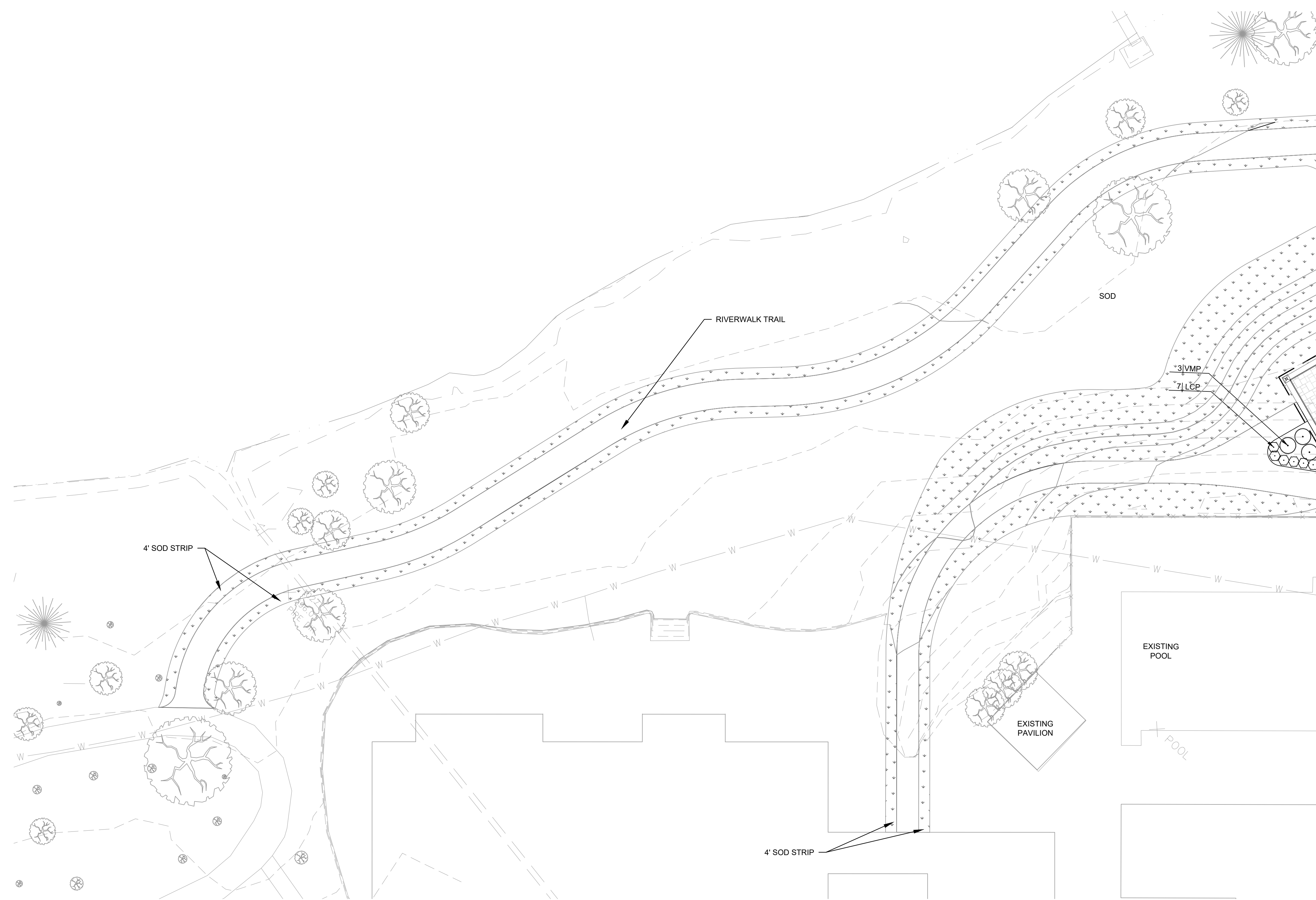


**7 SECTION AT SERVING COUNTER**  
A9.01 SCALE: 3" = 1'-0"

WINDOW SCHEDULE					
Type Mark	Manufacturer	Model	Height	Width	Comments
A	Horton Automatics	Series 8900 Manual	3'-0"	4'-0"	
B	VELUX	TGF 014	1'-2"	1'-2"	

Drawing Set: A9.01, CONCESSION / RESTROOM DOOR SCHEDULE  
 Drawing: 37106-01, Gunterville Park, Design 07/16/20, GPD22\_A\_750.rvt  
 File: (Date: 4/21/2023 9:23:17 AM)

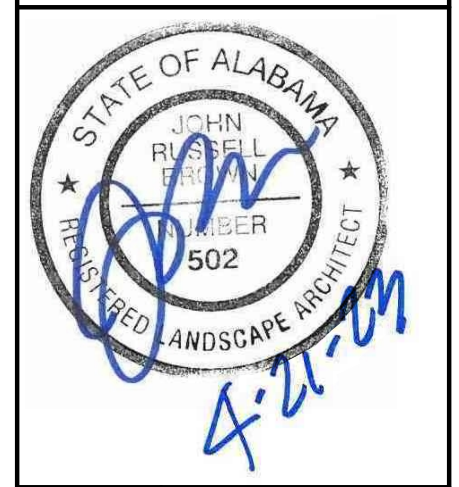
REVISION INFORMATION		DESCRIPTION
REV.	CHK.	DATE
0	AJ	4/21/2023
	KO	ISSUED FOR BID



- NOTES:**
- A 4' SOD STRIP IS TO BE PLACED ON EDGE OF ALL PAVING UNLESS OTHERWISE NOTED ON PLANS.
  - SEE SHEET C1.00 FOR OVERALL PHASE 2 PLAN AND SHEET LAYOUT.
  - SEE SHEET L7.01 FOR FIELD LAYOUT AND BALLFIELD ACCESSORIES SCHEDULE.
  - SEE SHEET L1.03 FOR PLANT SCHEDULE AND INFORMATION.
  - SEE ARCHITECTURAL DRAWINGS FOR CONCESSION / RESTROOM BUILDING AND PAVILION INFORMATION.

TREES	BOTANICAL NAME	COMMON NAME	
	Acer rubrum 'Autumn Blaze'	Autumn Blaze Red Maple	
	Lagerstroemia x 'Natchez'	Natchez Crape Myrtle	
	Magnolia grandiflora 'Little Gem'	Dwarf Southern Magnolia	
	Metasequoia glyptostroboides '1042' TM	Palatial Dawn Redwood	
	Quercus lyrata	Overcup Oak	
	Ulmus parvifolia 'Bosque'	Bosque Elm	
SHRUBS	BOTANICAL NAME	COMMON NAME	SPACING
	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	24" o.c.
	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetgum	60" o.c.
	Loropetalum chinense 'Purple Diamond'	Fringe Flower	48" o.c.
	Miscanthus sinensis 'Adagio'	Adagio Maiden Grass	36" o.c.
	Muhlenbergia capillaris 'Pink Cloud'	Pink Muhly Grass	36" o.c.
	Panicum virgatum 'Shenandoah'	Switch Grass	42" o.c.
	Rhododendron x 'Robel' TM	Autumn Sundance Encore Azalea	36" o.c.
	Viburnum acerifolium	Mapleleaf Viburnum	60" o.c.
	Viburnum x pragensis	Prague Viburnum	72" o.c.
SHRUB AREAS	BOTANICAL NAME	COMMON NAME	SPACING
	Muhlenbergia capillaris	Pink Muhly Grass	36" o.c.
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SPACING
	Cynodon dactylon 'Tifway 419'	Tifway 419 Bermuda Grass	
	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylily	18" o.c.
	Liriope muscari 'Big Blue'	Big Blue Lilyturf	15" o.c.

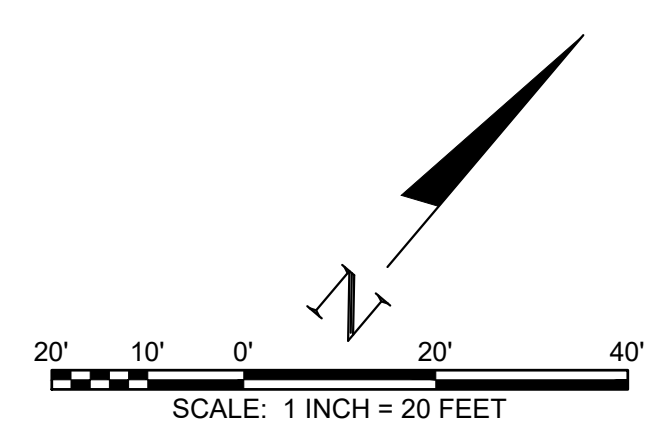
MATCHLINE - SEE SHEET L1-02

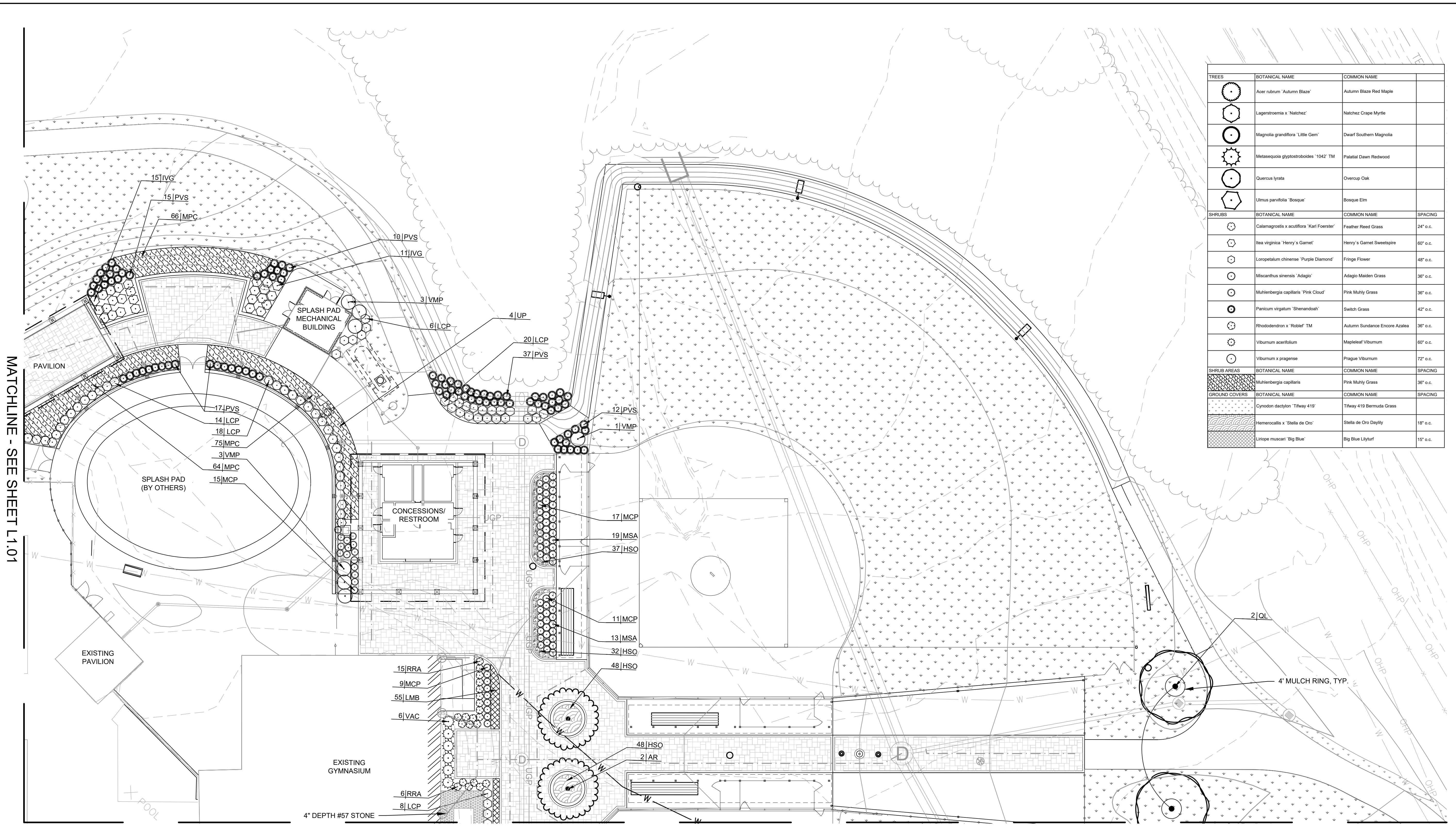


SITE LANDSCAPE PLAN

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION
0	JAL	JRB	04/21/2023	ISSUED FOR BID



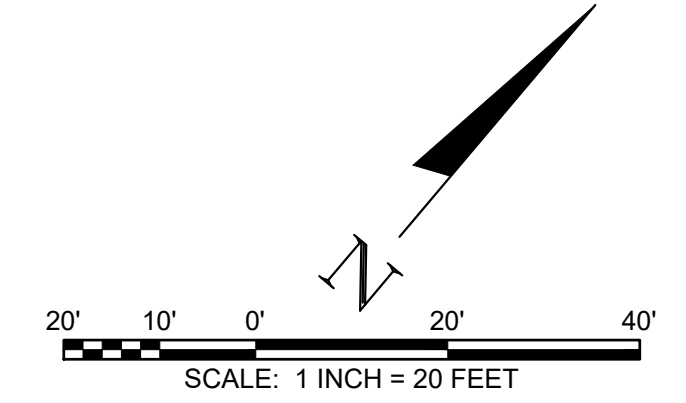


MATCHLINE - SEE SHEET L1.01

MATCHLINE - SEE SHEET L1.03

TREES	BOTANICAL NAME	COMMON NAME	
	Acer rubrum 'Autumn Blaze'	Autumn Blaze Red Maple	
	Lagerstroemia x 'Natchez'	Natchez Crape Myrtle	
	Magnolia grandiflora 'Little Gem'	Dwarf Southern Magnolia	
	Metasequoia glyptostroboides '1042' TM	Palatial Dawn Redwood	
	Quercus lyrata	Overcup Oak	
	Ulmus parvifolia 'Bosque'	Bosque Elm	
SHRUBS	BOTANICAL NAME	COMMON NAME	SPACING
	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	24" o.c.
	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetgum	60" o.c.
	Loropetalum chinense 'Purple Diamond'	Fringe Flower	48" o.c.
	Miscanthus sinensis 'Adagio'	Adagio Maiden Grass	36" o.c.
	Muhlenbergia capillaris 'Pink Cloud'	Pink Muhly Grass	36" o.c.
	Panicum virgatum 'Shenandoah'	Switch Grass	42" o.c.
	Rhododendron x 'Roblel' TM	Autumn Sundance Encore Azalea	36" o.c.
	Viburnum acerifolium	Mapleleaf Viburnum	60" o.c.
	Viburnum x pragnense	Prague Viburnum	72" o.c.
SHRUB AREAS	BOTANICAL NAME	COMMON NAME	SPACING
	Muhlenbergia capillaris	Pink Muhly Grass	36" o.c.
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SPACING
	Cynodon dactylon 'Tilway 419'	Tilway 419 Bermuda Grass	
	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylily	18" o.c.
	Liriope muscari 'Big Blue'	Big Blue Lilyturf	15" o.c.

- NOTES:**
- A 4' SOD STRIP IS TO BE PLACED ON EDGE OF ALL PAVING UNLESS OTHERWISE NOTED ON PLANS.
  - SEE SHEET C1.00 FOR OVERALL PHASE 2 PLAN AND SHEET LAYOUT.
  - SEE SHEET L7.01 FOR FIELD LAYOUT AND BALLFIELD ACCESSORIES SCHEDULE.
  - SEE SHEET L1.03 FOR PLANT SCHEDULE AND INFORMATION.
  - SEE ARCHITECTURAL DRAWINGS FOR CONCESSION / RESTROOM BUILDING AND PAVILION INFORMATION.



SITE LANDSCAPE PLAN

CITY OF GUNTSVILLE

GUNTSVILLE PARK - PHASE 2

GUNTSVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION
0	JAL	JRB	04/21/2023	ISSUED FOR BID



SITE LANDSCAPE PLAN  
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

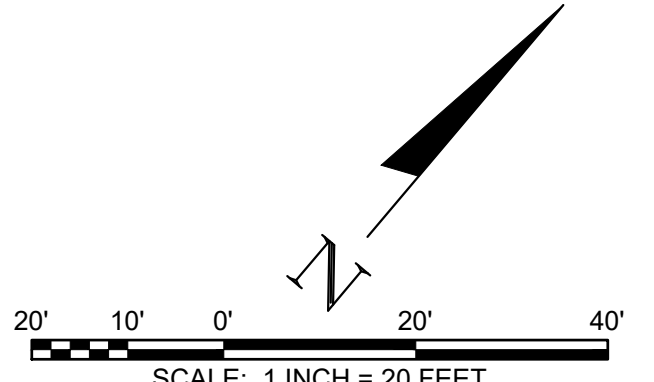
MATCHLINE - SEE SHEET L1.02



- NOTES:**
- A 4' SOD STRIP IS TO BE PLACED ON EDGE OF ALL PAVING UNLESS OTHERWISE NOTED ON PLANS.
  - SEE SHEET C1.00 FOR OVERALL PHASE 2 PLAN AND SHEET LAYOUT.
  - SEE SHEET L7.01 FOR FIELD LAYOUT AND BALLFIELD ACCESSORIES SCHEDULE.
  - SEE SHEET L1.03 FOR PLANT SCHEDULE AND INFORMATION.
  - SEE ARCHITECTURAL DRAWINGS FOR CONCESSION / RESTROOM BUILDING AND PAVILION INFORMATION.

TREES	BOTANICAL NAME	COMMON NAME
	<i>Acer rubrum</i> 'Autumn Blaze'	Autumn Blaze Red Maple
	<i>Lagerstroemia</i> x 'Natchez'	Natchez Crape Myrtle
	<i>Magnolia grandiflora</i> 'Little Gem'	Dwarf Southern Magnolia
	<i>Metasequoia glyptostroboides</i> '1042' TM	Palatial Dawn Redwood
	<i>Quercus lyrata</i>	Overcup Oak
	<i>Ulmus parvifolia</i> 'Bosque'	Bosque Elm

SHRUBS	BOTANICAL NAME	COMMON NAME	SPACING
	<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	Feather Reed Grass	24" o.c.
	<i>Itea virginica</i> 'Henry's Garnet'	Henry's Garnet Sweetpire	60" o.c.
	<i>Loropetalum chinense</i> 'Purple Diamond'	Fringe Flower	48" o.c.
	<i>Miscanthus sinensis</i> 'Adagio'	Adagio Maiden Grass	36" o.c.
	<i>Muhlenbergia capillaris</i> 'Pink Cloud'	Pink Muhly Grass	36" o.c.
	<i>Panicum virgatum</i> 'Shenandoah'	Switch Grass	42" o.c.
	<i>Rhododendron</i> x 'Robbie' TM	Autumn Sundance Encore Azalea	36" o.c.
	<i>Viburnum acerifolium</i>	Mapleleaf Viburnum	60" o.c.
	<i>Viburnum x pragense</i>	Prague Viburnum	72" o.c.
SHRUB AREAS	BOTANICAL NAME	COMMON NAME	SPACING
	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	36" o.c.
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SPACING
	<i>Cynodon dactylon</i> 'Tifway 419'	Tifway 419 Bermuda Grass	
	<i>Hemerocallis</i> x 'Stella de Oro'	Stella de Oro Daylily	18" o.c.
	<i>Liriope muscari</i> 'Big Blue'	Big Blue Lilyturf	15" o.c.



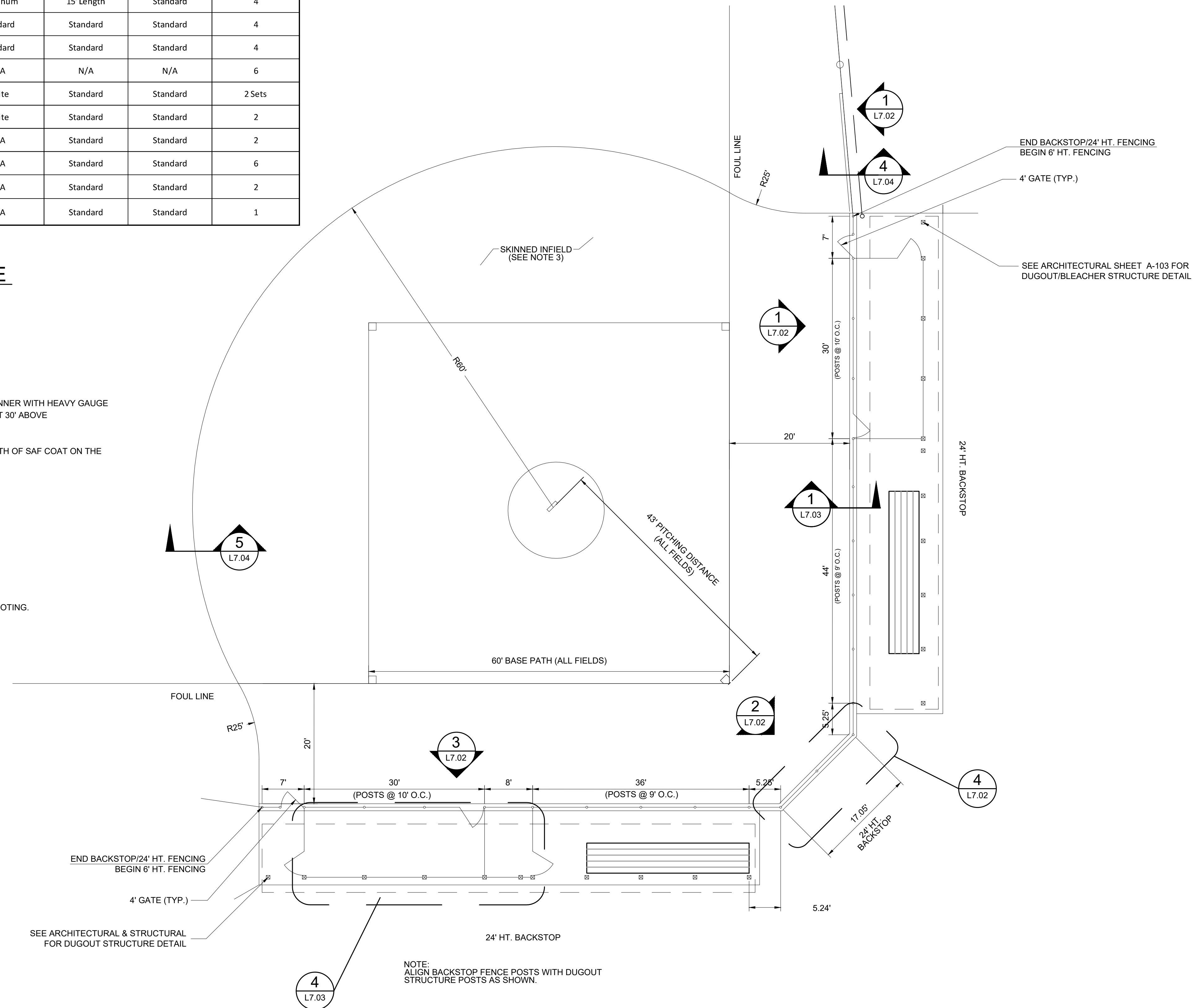
REVISION INFORMATION	
REV.	DESCRIPTION
CHK	DATE
JRB	04/21/2023
ISSUED FOR BID	

Description	Manufacturer	Product	Color	Size	Finish	Quantity
Scoreboard	Electro-Mech Scoreboard Co. www.electro-mech.com	Model LX1341	Black Board Yellow Stripe Amber Digits	5' x 10'	N/A	2
Bleachers (54 Seats)	Outdoor Aluminum www.outdooraluminum.com	LSG3-27	Aluminum	3 Row - 5' x 27'	Standard	4
Scorer's Table with Bench	BSN Sports www.bsnsports.com	BEST08	Aluminum	Standard	Standard	2
Player's Bench	Outdoor Aluminum www.outdooraluminum.com	MTGH	Aluminum	15' Length	Standard	4
Bat Rack	BSN Sports www.bsnsports.com	1148826	Standard	Standard	Standard	4
Helmet Rack	BSN Sports www.bsnsports.com	BSHTS	Standard	Standard	Standard	4
Base Plugs	BSN Sports www.bsnsports.com	BBBPLUGPK	N/A	N/A	N/A	6
Bases	Bolco www.bsnsports.com	1236408	White	Standard	Standard	2 Sets
Home Plate	Bolco www.bsnsports.com	1236415	White	Standard	Standard	2
Portable Pitching Mound	Chasteen Enterprises	Model 796	N/A	Standard	Standard	2
Pitching Screen	BSN Sports www.bsnsports.com	BS47743	N/A	Standard	Standard	6
Ball Return	Ball Baby www.ballbabypro.com	Baseball	N/A	Standard	Standard	2
Flagpole	Concord American www.concordamericanflagpole.com	ESR Continental Series	N/A	Standard	Standard	1

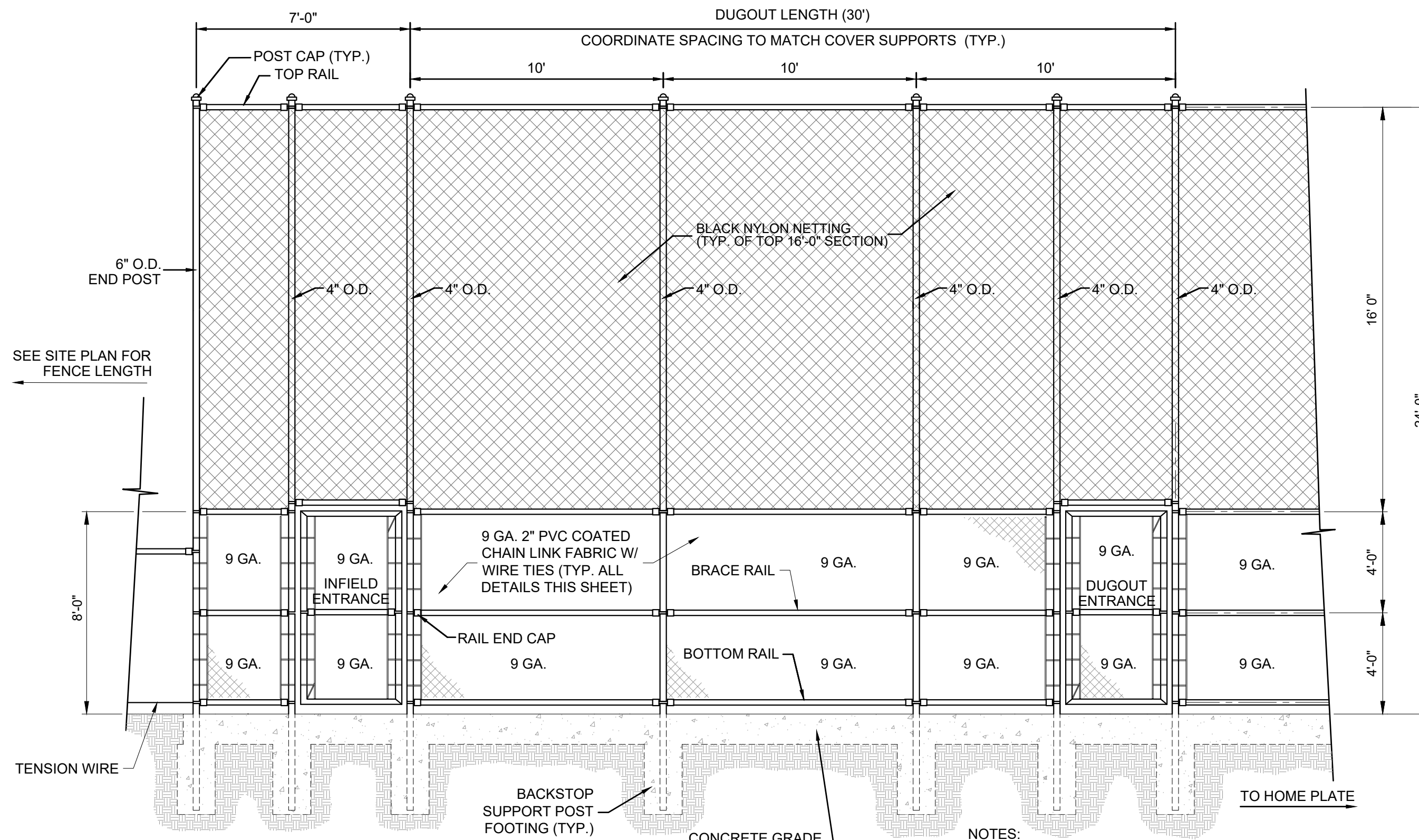
# 1 BALLFIELD ACCESSORIES SCHEDULE

## NOTES:

- FOR GENERAL NOTES, SEE SHEET C0.01
- FOUL LINE POSTS SHALL BE HEAVY-WALL 3 1/2" OD STEEL TUBING WITH CHAIN LINK WING BANNER WITH HEAVY GAUGE STEEL SUPPORTS, FULLY ELECTROSTATICALLY POWDER COATED OPTICAL YELLOW, HEIGHT 30' ABOVE FINISHED GRADE, ITEM #BBCFP-30 OR APPROVED EQUAL BY JAYPRO, 1-800-243-0533.
- SKINNED INFIELD SHALL BE 4" DEPTH OF TURFACE DIAMOND MIX AMENDED WITH A 1/2" DEPTH OF SAF COAT ON THE SURFACE BOTH BY TURFACE ATHLETICS (931-380-0023). (SEE SPECIFICATIONS)
- SEE SHEET L7.02 AND L7.03 FOR FENCING DETAILS.
- ALL FENCING SHALL BE BLACK VINYL COATED CLASS 2B. (SEE SPECIFICATIONS)
- REFER TO SHEET C2.01, C2.02, & C2.03 FOR FIELD GRADING.
- MAINTENANCE GATE LOCATION VARIES PER FIELD, SEE SITE PLAN.
- SEE DETAIL 2/C7.02 FOR FLAGPOLE INFORMATION.
- MANUFACTURER TO PROVIDE DESIGN AND SEALED SHOP DRAWINGS FOR SCOREBOARD FOOTING.

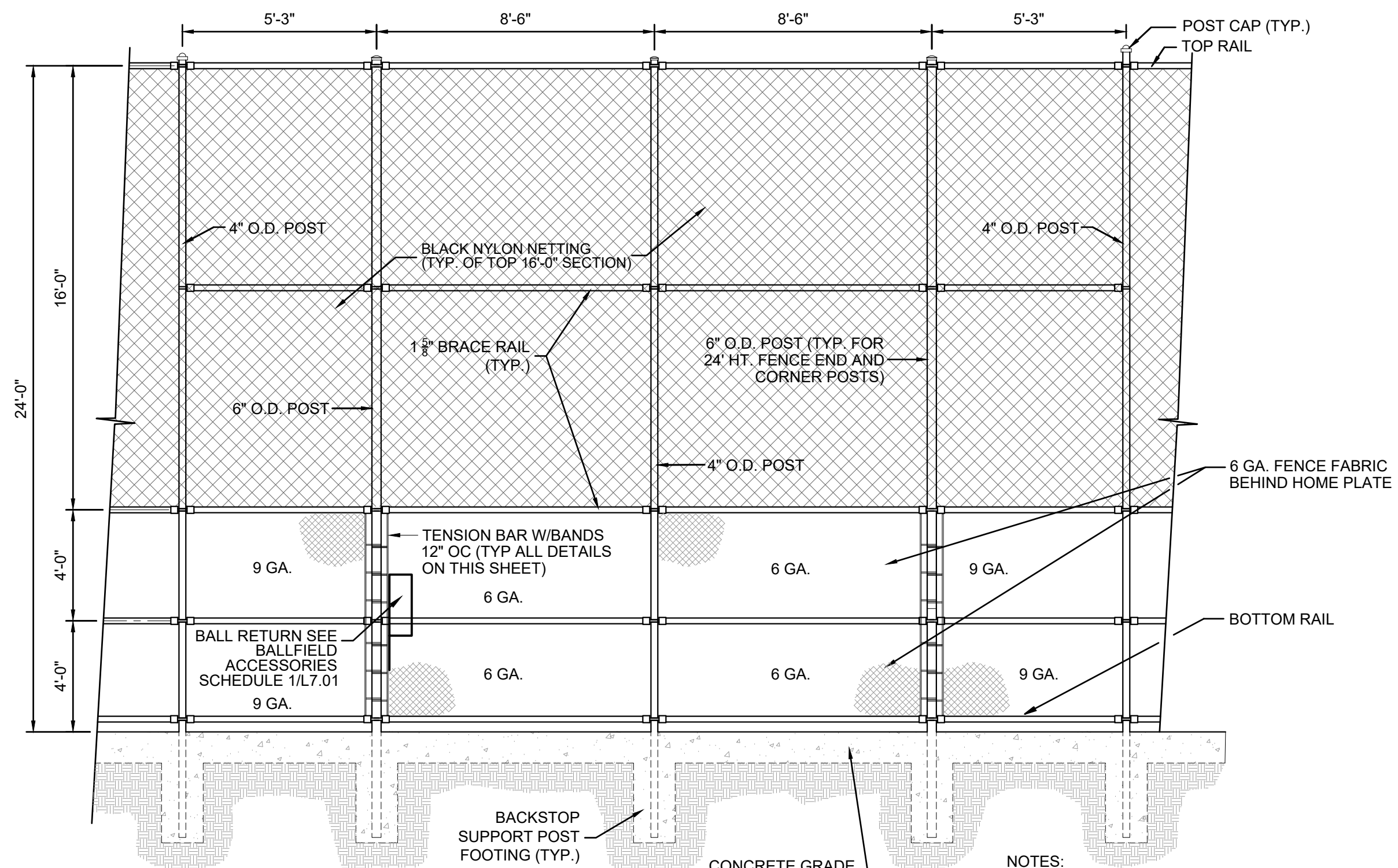


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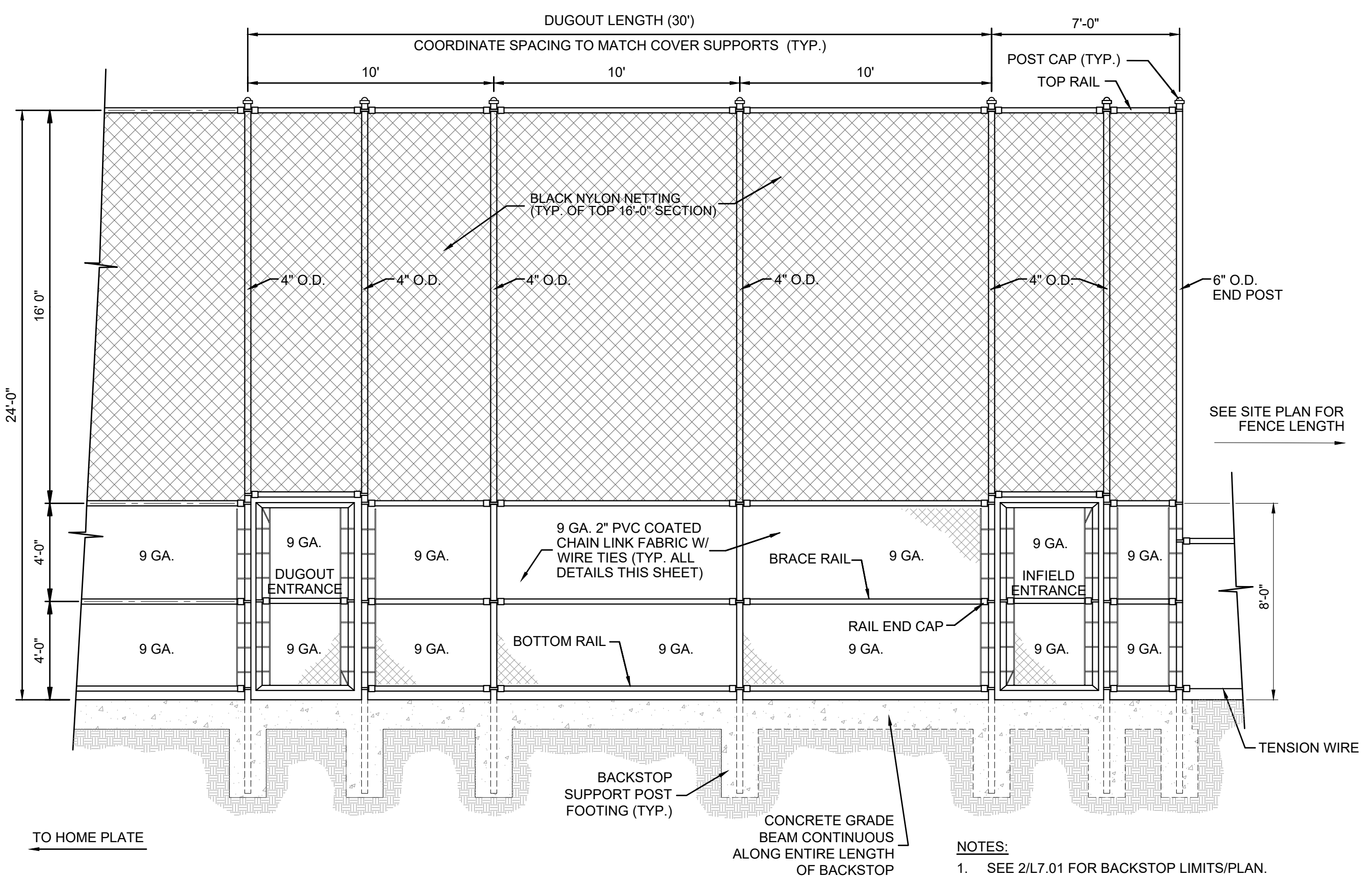
**1**  
TYPICAL 1ST BASE DUGOUT 'A' ELEVATION  
L7.02 1/4"= 1'-0"

- NOTES:**
1. SEE 2/L7.01 FOR BACKSTOP LIMITS/PLAN.
  2. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DUGOUT STRUCTURE INFORMATION.
  3. SEE 2/L7.03 FOR BACKSTOP POST FOOTING.
  4. SEE 5/L7.03 FOR BACKSTOP GRADE BEAM.



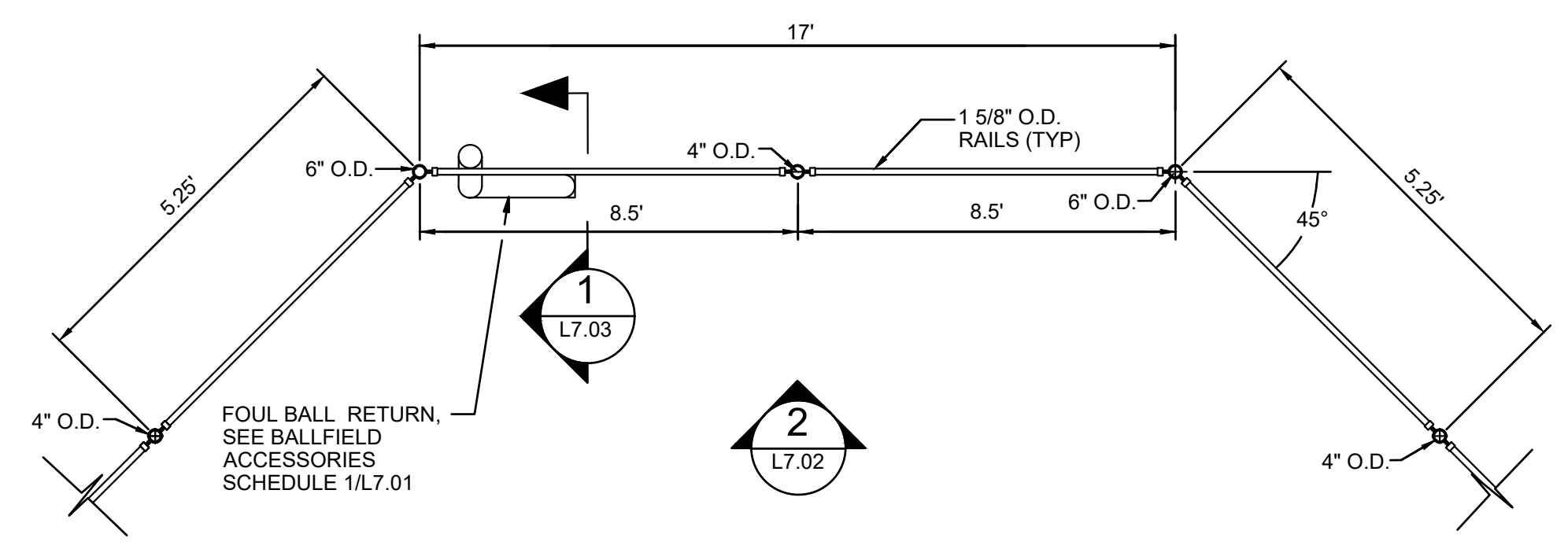
**2**  
BACKSTOP ELEVATION  
L7.02 NTS

- NOTES:**
1. SEE 2/L7.01 FOR BACKSTOP LIMITS/PLAN.
  2. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DUGOUT STRUCTURE INFORMATION.
  3. SEE 2/L7.03 FOR BACKSTOP POST FOOTING.
  4. SEE 5/L7.03 FOR BACKSTOP GRADE BEAM.



**3**  
TYPICAL 3RD BASE DUGOUT 'B' ELEVATION  
L7.02 1/4"= 1'-0"

- NOTES:**
1. SEE 2/L7.01 FOR BACKSTOP LIMITS/PLAN.
  2. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DUGOUT STRUCTURE INFORMATION.
  3. SEE 2/L7.03 FOR BACKSTOP POST FOOTING.
  4. SEE 5/L7.03 FOR BACKSTOP GRADE BEAM.



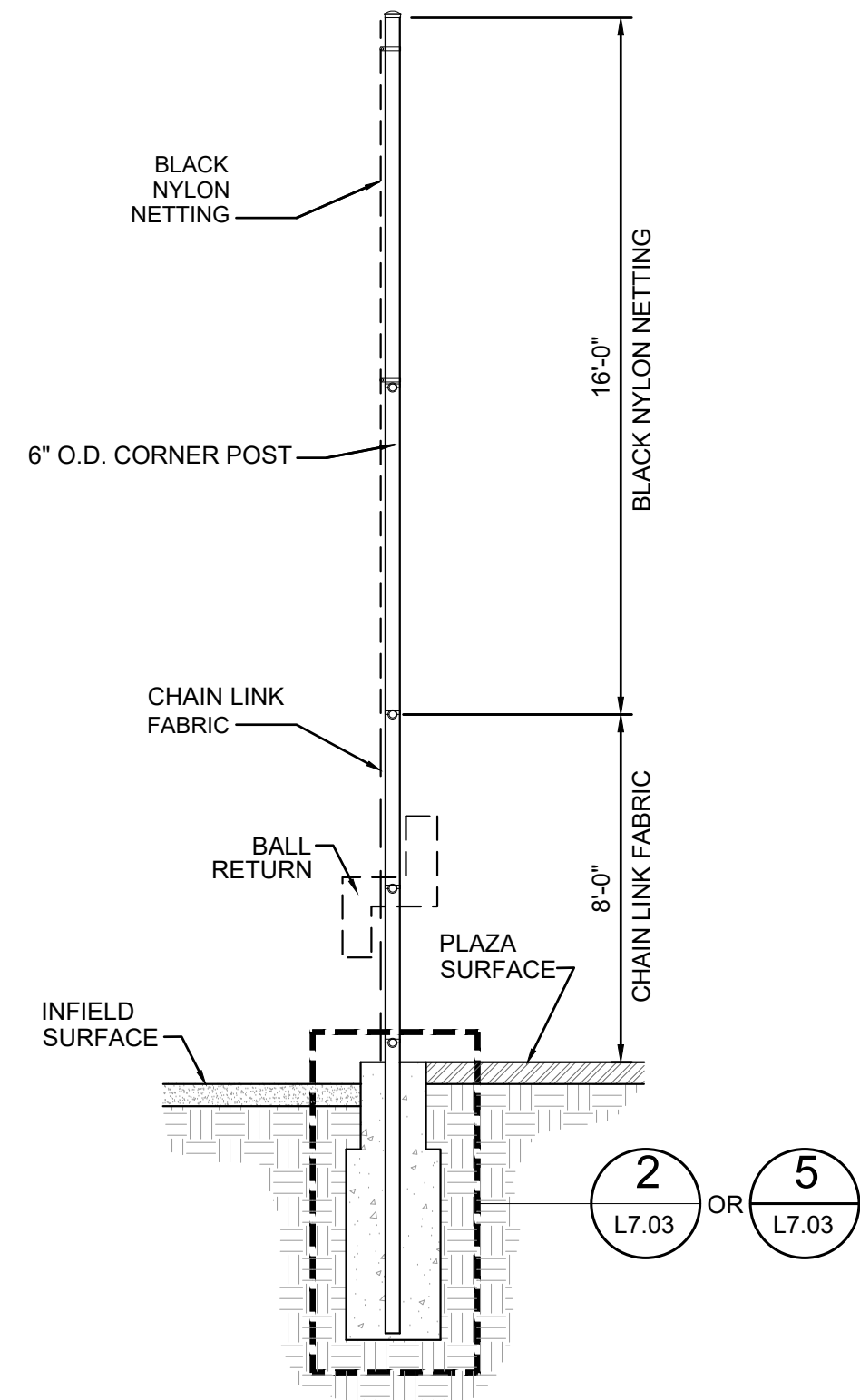
**4**  
BACKSTOP PLAN  
L7.02 NTS



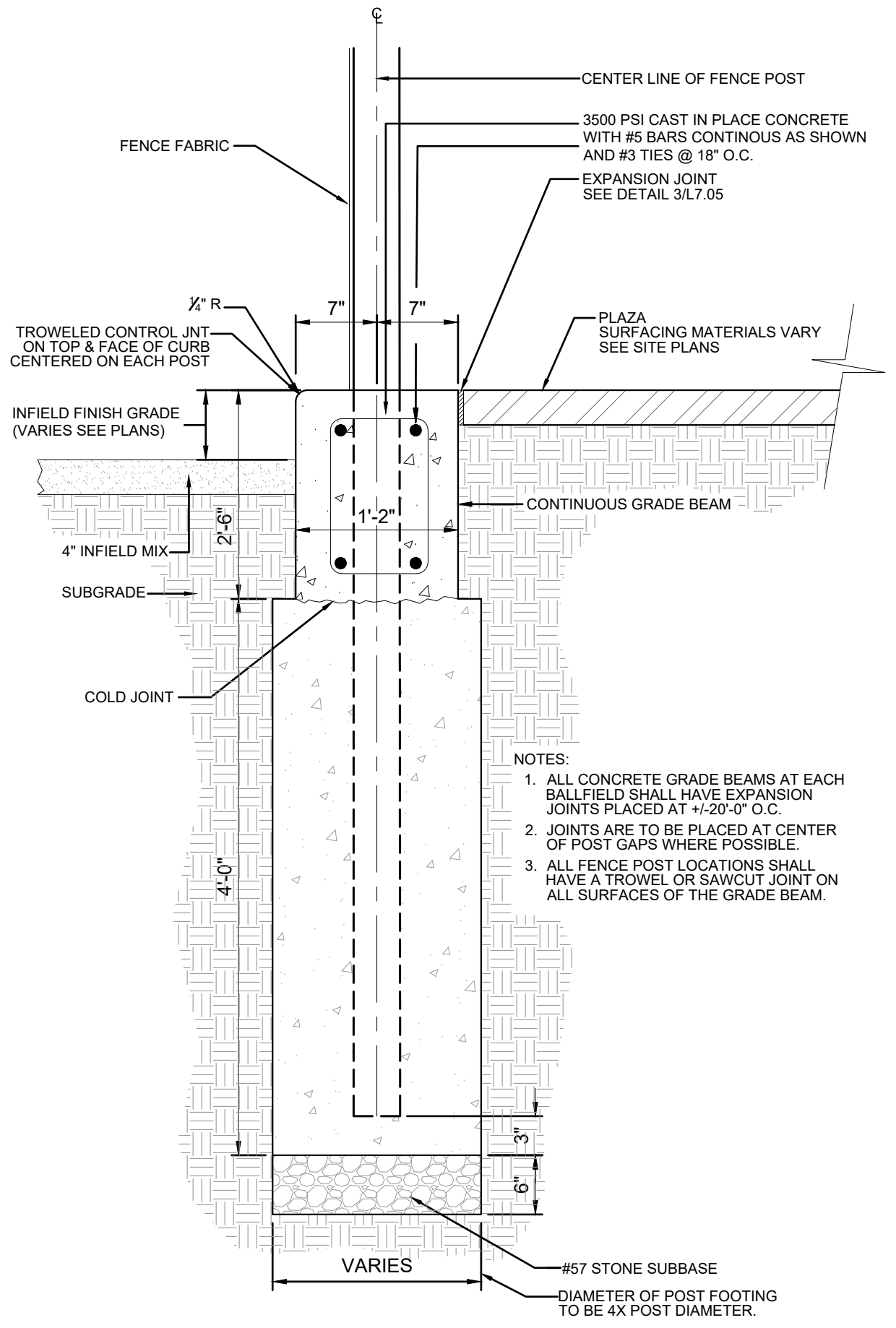
FIELD DETAILS  
CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
GUNTERSVILLE, ALABAMA

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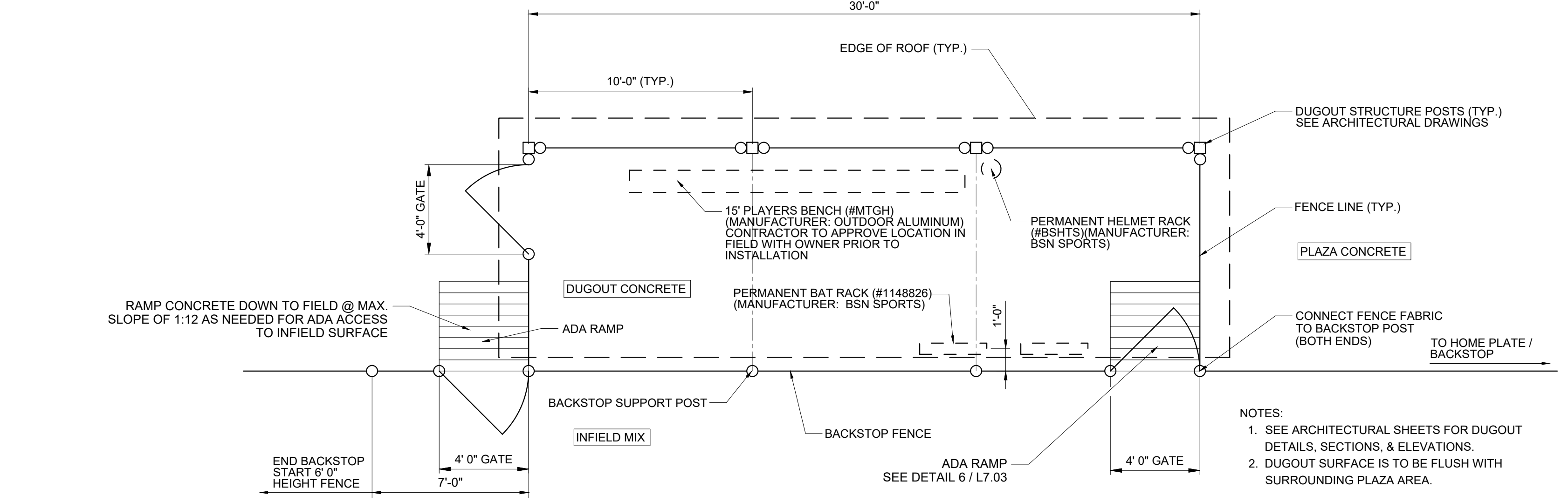




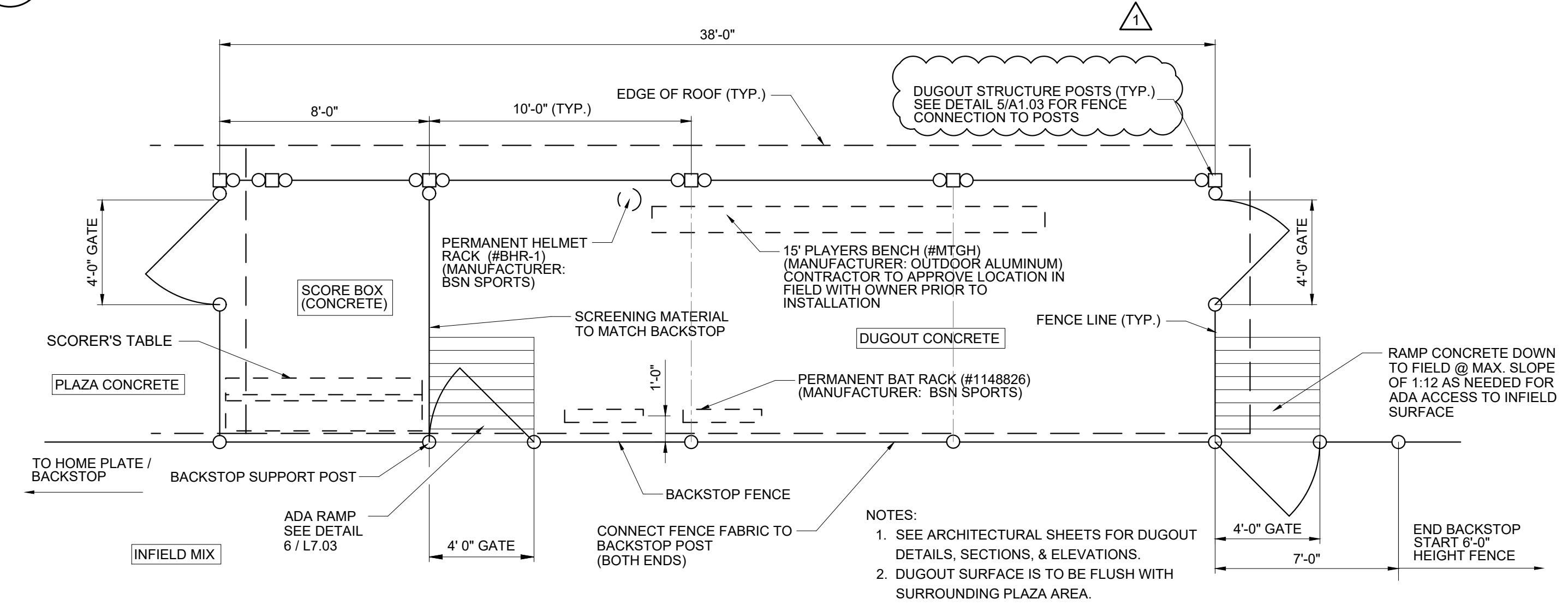
**1 SECTION THRU BACKSTOP**  
L7.03 SCALE: N.T.S.



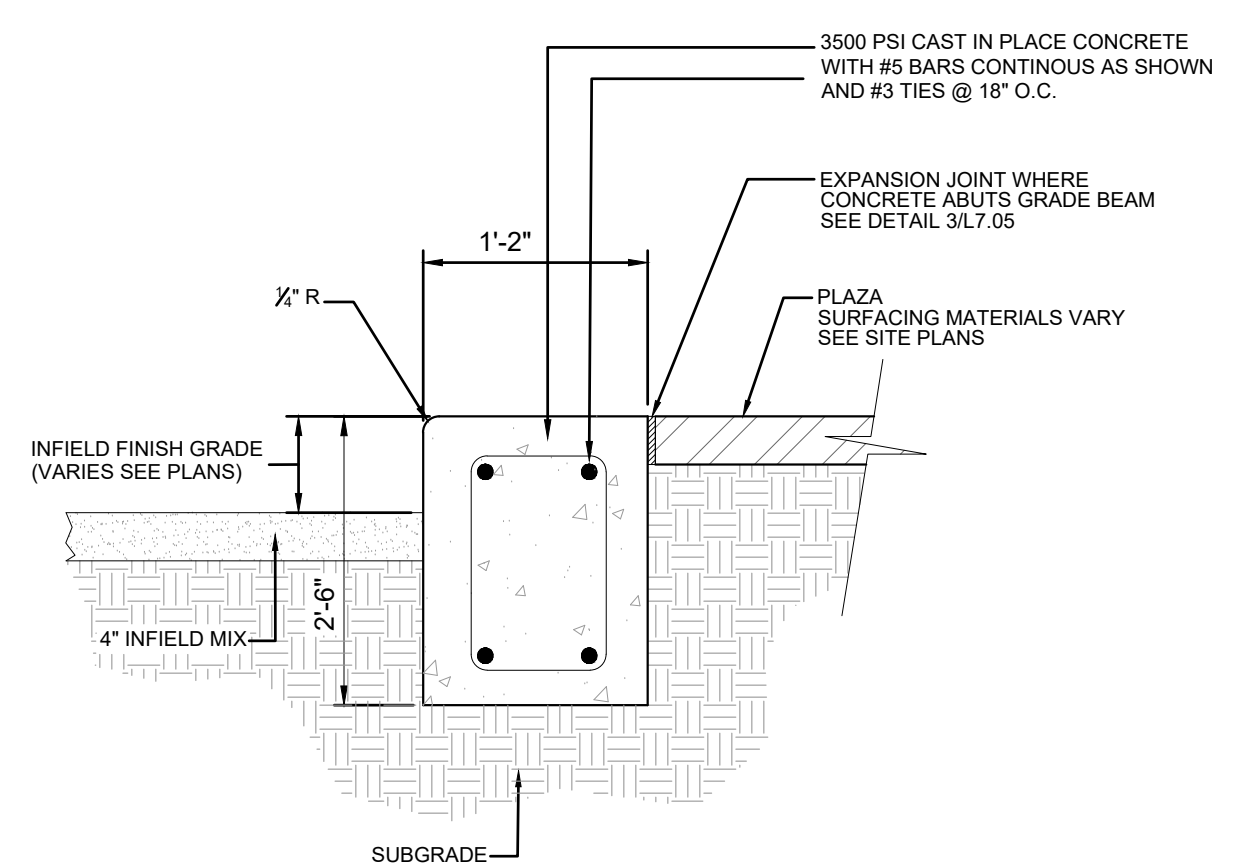
**2 BACKSTOP POST FOOTING**  
L7.03 SCALE: N.T.S.



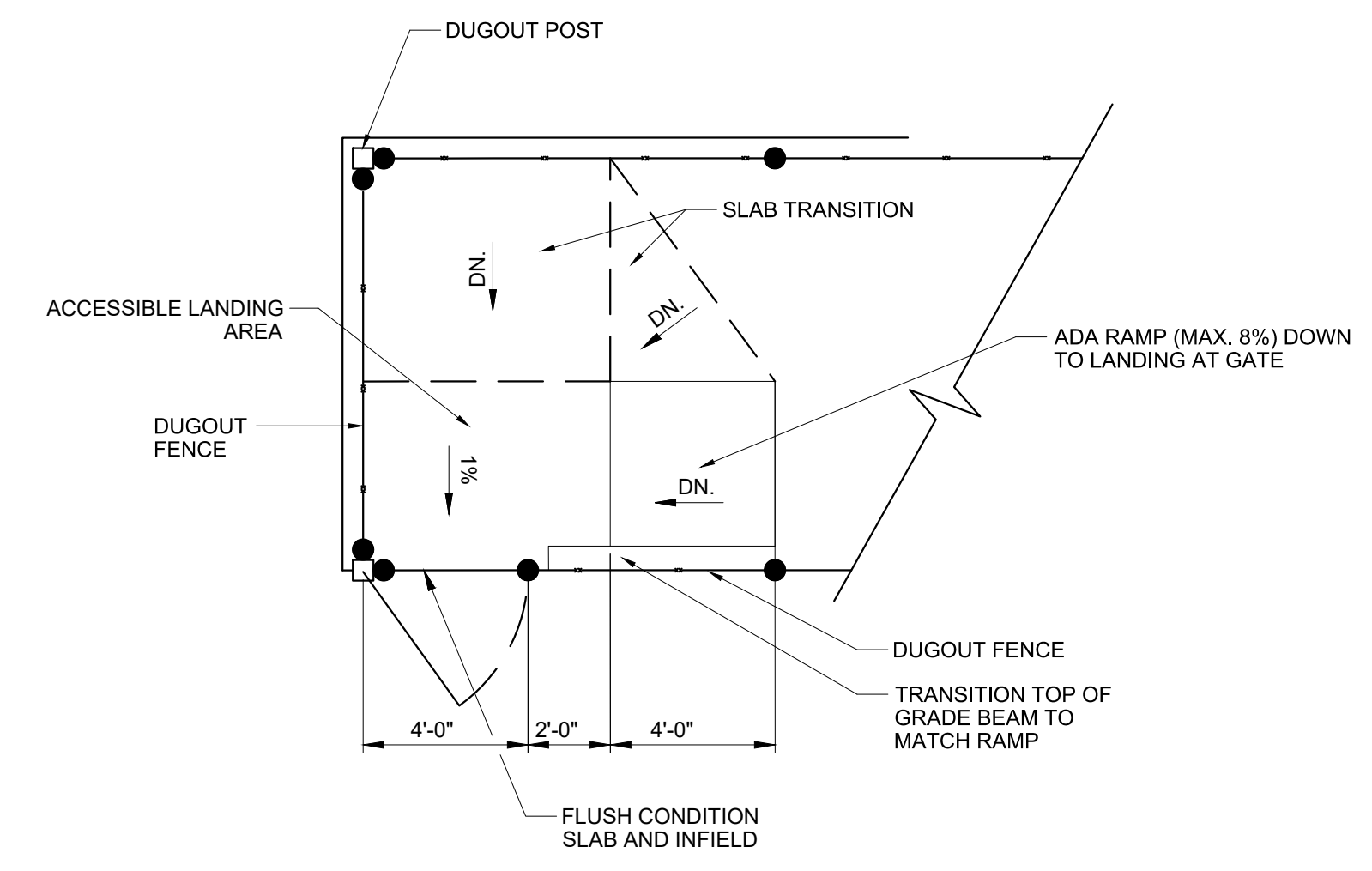
**3 TYPICAL 1ST BASE DUGOUT 'A' FENCING PLAN**  
L7.03 1/4"= 1'-0"



**4 TYPICAL 3RD BASE DUGOUT 'B' WITH SCORER'S BOX FENCING PLAN**  
L7.03 1/4"= 1'-0"



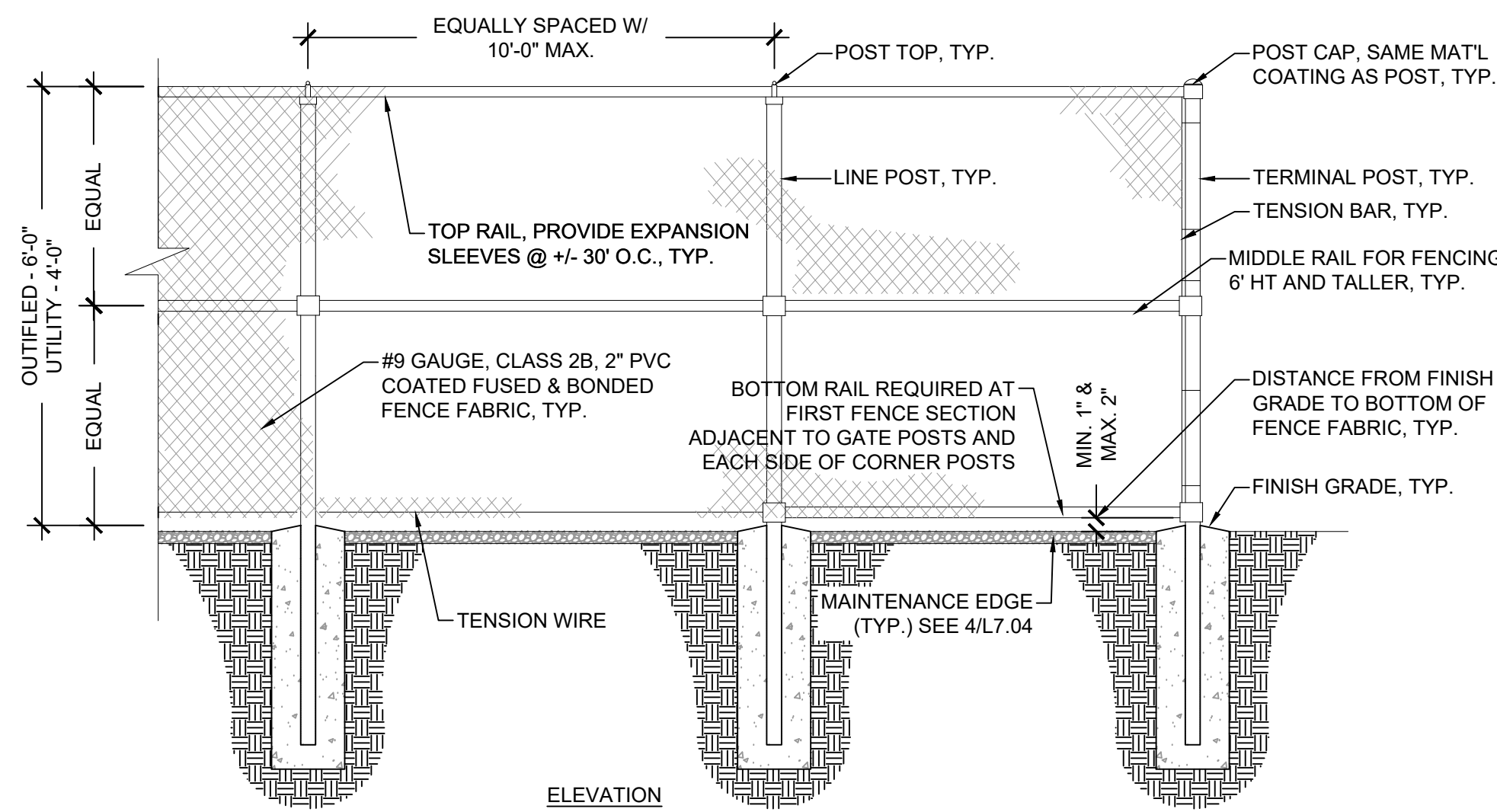
**5 BACKSTOP GRADE BEAM**  
L7.03 SCALE: N.T.S.



**6 TYPICAL DUGOUT RAMP DETAIL**  
L7.03 SCALE: 1" = 1'-0"



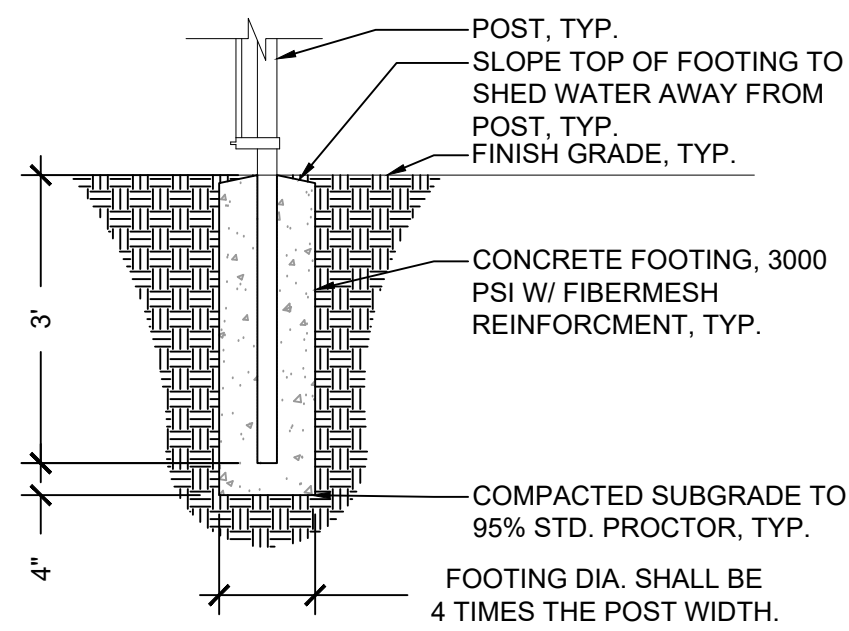
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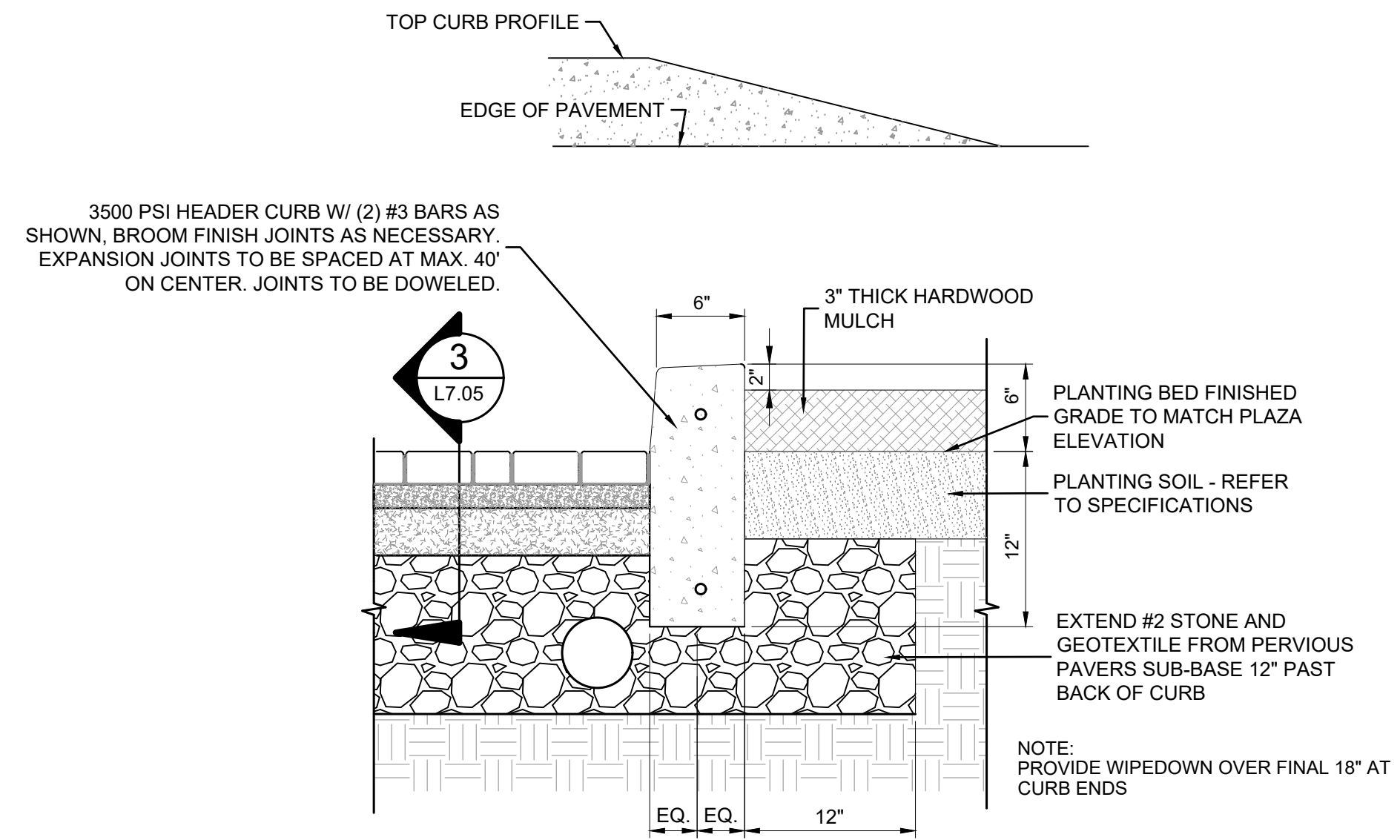
**1 6 FT. BLACK VINYL CHAIN LINK FENCE**  
L7.04 SCALE: N.T.S.

**NOTES FOR ALL VINYL CHAIN LINK FENCING:**

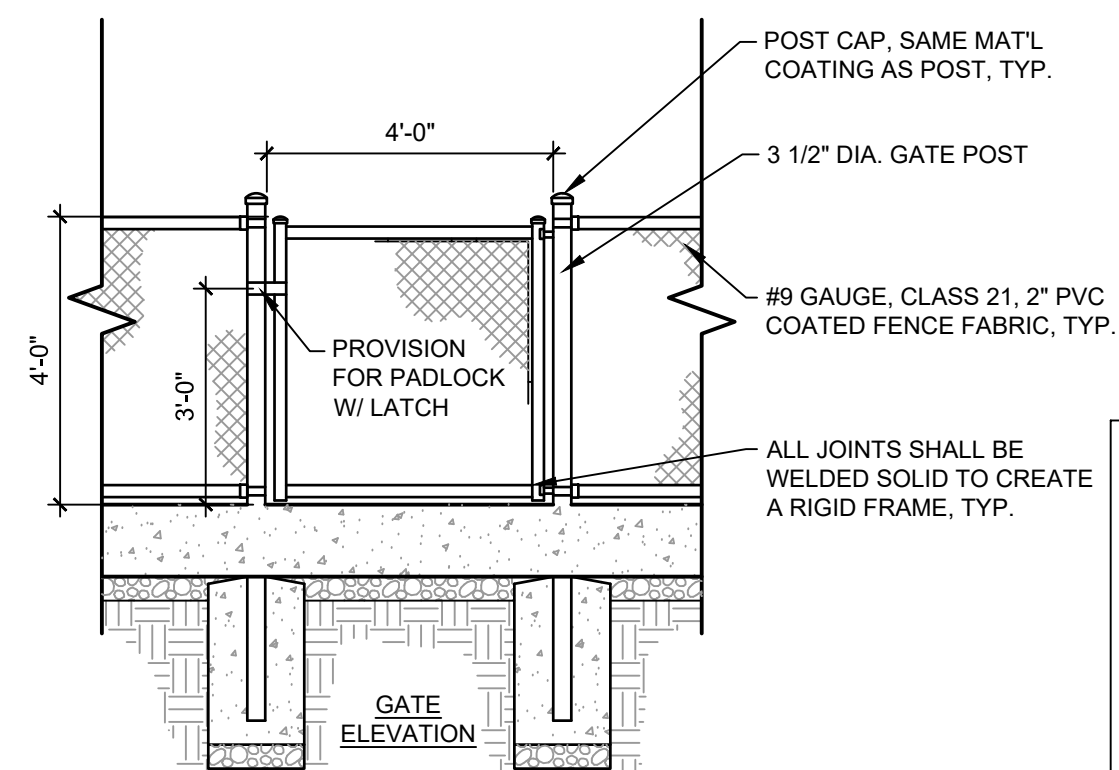
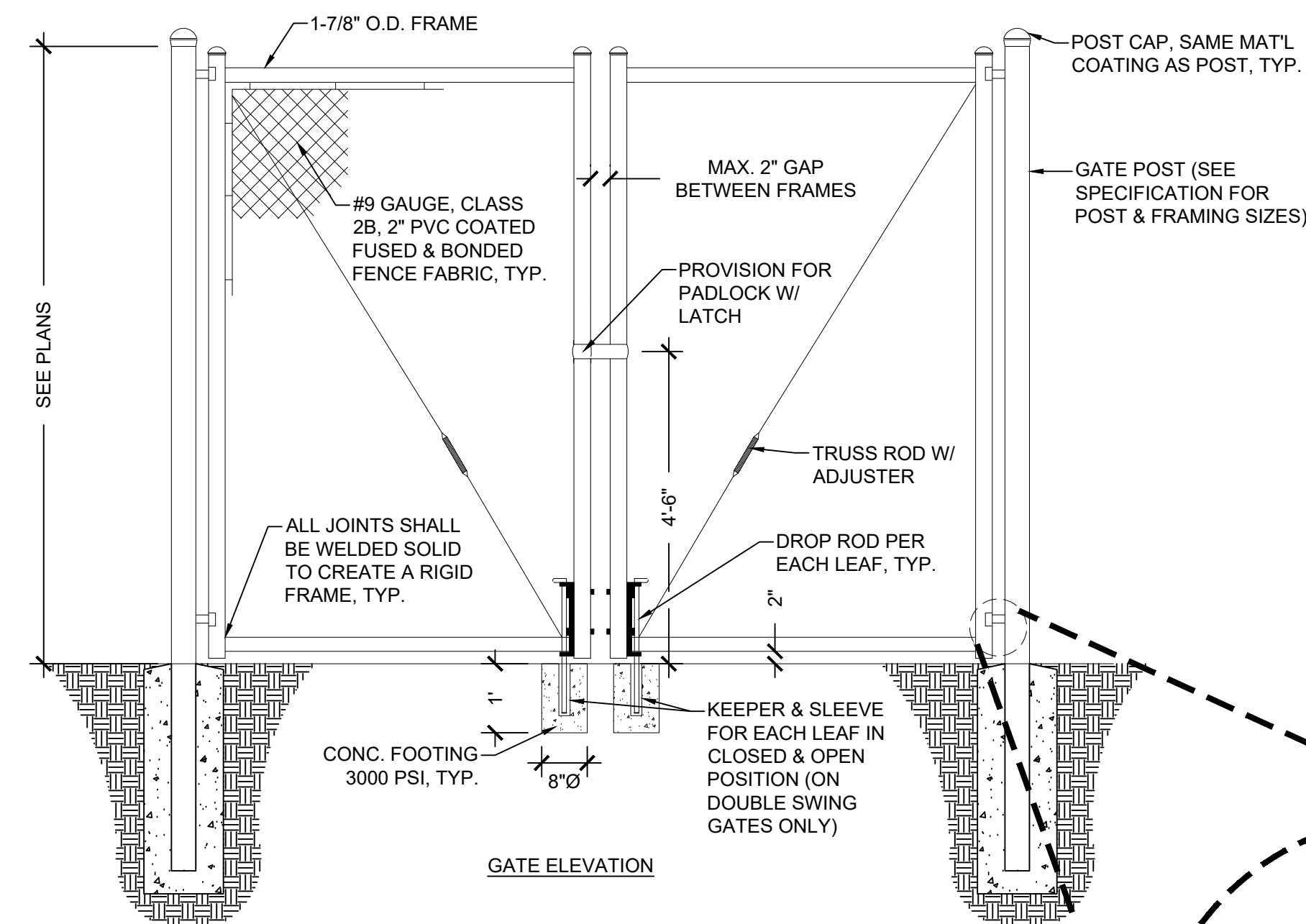
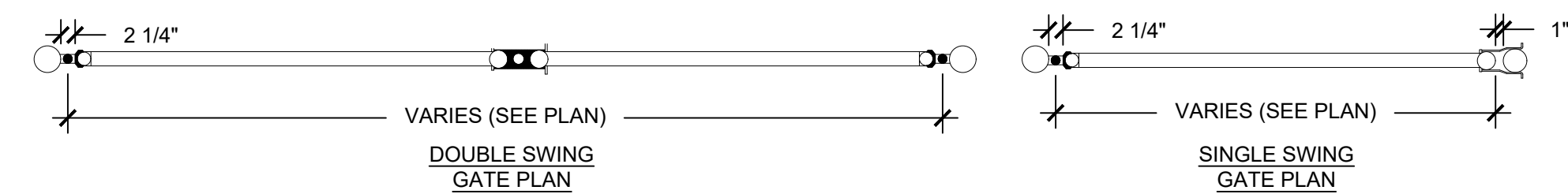
- FENCE FABRIC AND ACCESSORIES TO BE KNUCKLED AT TOP & BOTTOM. ELEVATION SHALL BE FLUSH W/ PAVING. FENCE FABRIC SHALL BE INSTALLED ON THE INSIDE OF ALL POSTS. BANDS 12" O.C.: TIES 18" O.C. TIES MUST BE FOLDED OVER IF TWISTED BY MECHANICAL MEANS.
- SEE SPECIFICATIONS FOR POST & FRAMING SIZES UNLESS NOTED ON PLANS
- FENCE FABRIC SHALL BE CLASS 2B, 9 GAUGE 2" PVC COATED FUSED & BONDED. ALL FENCE FABRIC & MATERIALS SHALL BE BLACK.
- ALL FENCE TIES TO BE STEEL. ALUMINUM TIES WILL NOT BE ACCEPTED.
- ALL FOOTING WIDTHS SHALL BE 4 TIMES THE POST WIDTH.
- MIN. FOOTING DEPT OF 24" PLUS AN ADDITIONAL 3" FOR EACH 1' INCREASE IN THE HEIGHT OVER 4'
- BLACK VINYL PRIVACY SLATS SHALL BE PROVIDED AND INSTALLED AT CHAIN LINK FENCE 100% AROUND MAINTENANCE AREAS AND MATERIAL STORAGE AREAS



**POST FOOTING SECTION**



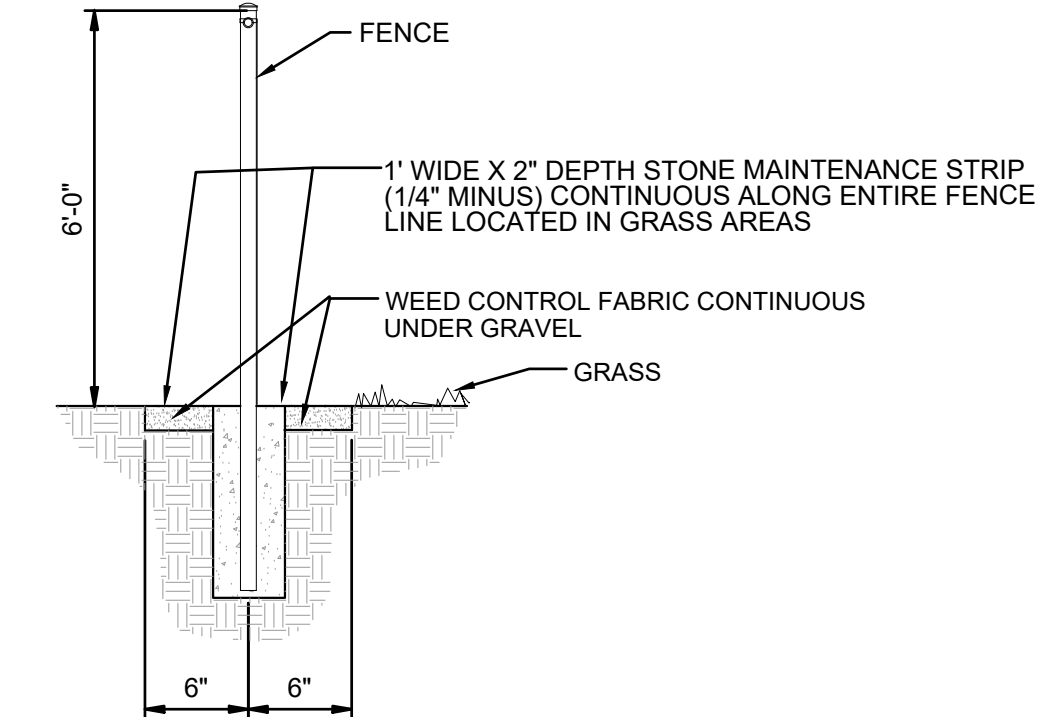
**4 PLANTER CURB CROSS-SECTION**  
L7.04 SCALE: N.T.S.



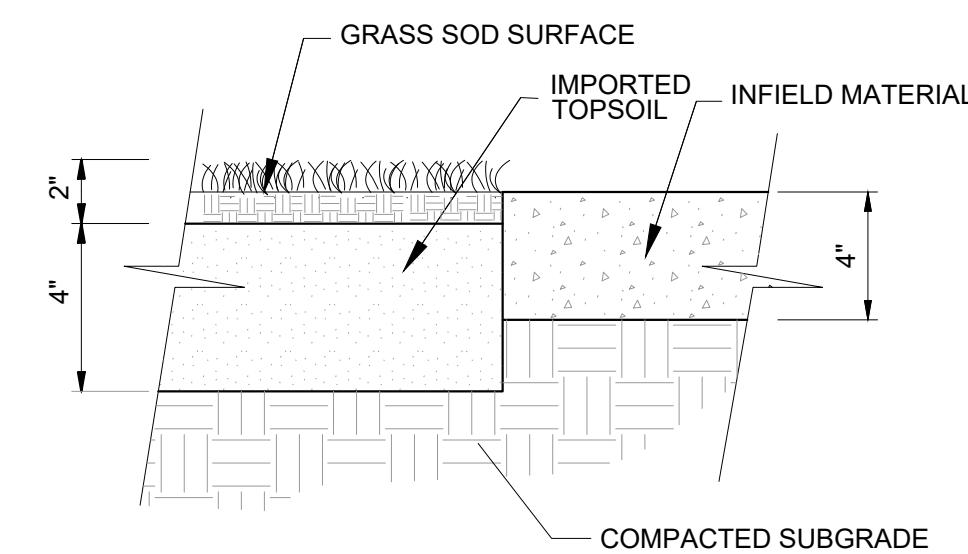
**3 CHAIN LINK FENCE SINGLE GATE 4' HT**  
L7.04 3/8" = 1'-0"

**NOTES FOR ALL VINYL CHAIN LINK GATES:**

- SEE SPECIFICATIONS FOR POST & FRAMING SIZES UNLESS NOTED ON PLANS
- FENCE FABRIC SHALL BE CLASS 21, 9 GAUGE 2" PVC COATED.
- ALL FOOTING WIDTHS SHALL BE 4 TIMES THE POST WIDTH
- MIN. FOOTING DEPTH OF 24" PLUS AN ADDITIONAL 3" FOR EACH 1' INCREASE IN THE HEIGHT OVER 4'



**5 FENCE MAINTENANCE EDGE DETAIL**  
L7.04 SCALE: 1/2" = 1'-0"



**NOTES:**

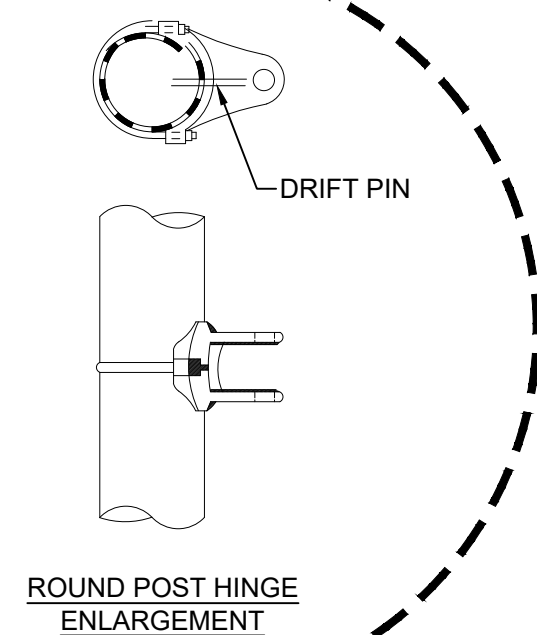
- SEE PROJECT MANUAL FOR IMPORTED TOPSOIL AND INFIELD SPECIFICATIONS

**6 INFIELD / OUTFIELD SECTION**  
L7.04 SCALE: N.T.S.

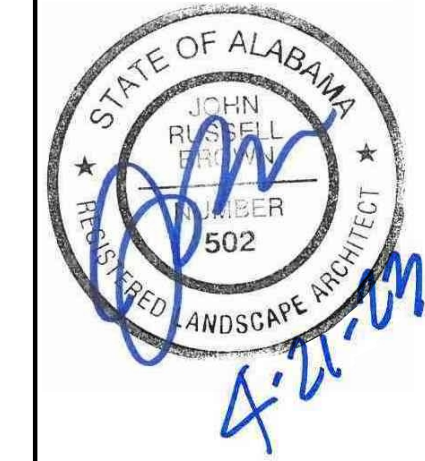
**NOTES FOR ALL VINYL CHAIN LINK GATES:**

- SEE SPECIFICATIONS FOR POST & FRAMING SIZES UNLESS NOTED ON PLANS.
- ALL GATES SHALL SWING 180°
- FENCE FABRIC SHALL BE CLASS 2B, 9 GAUGE 2" PVC COATED FUSED & BONDED.
- ALL FOOTING WIDTHS SHALL BE 4 TIMES THE POST WIDTH.
- MIN. FOOTING DEPT OF 24" PLUS AN ADDITIONAL 3" FOR EACH 1' INCREASE IN THE HEIGHT OVER 4'

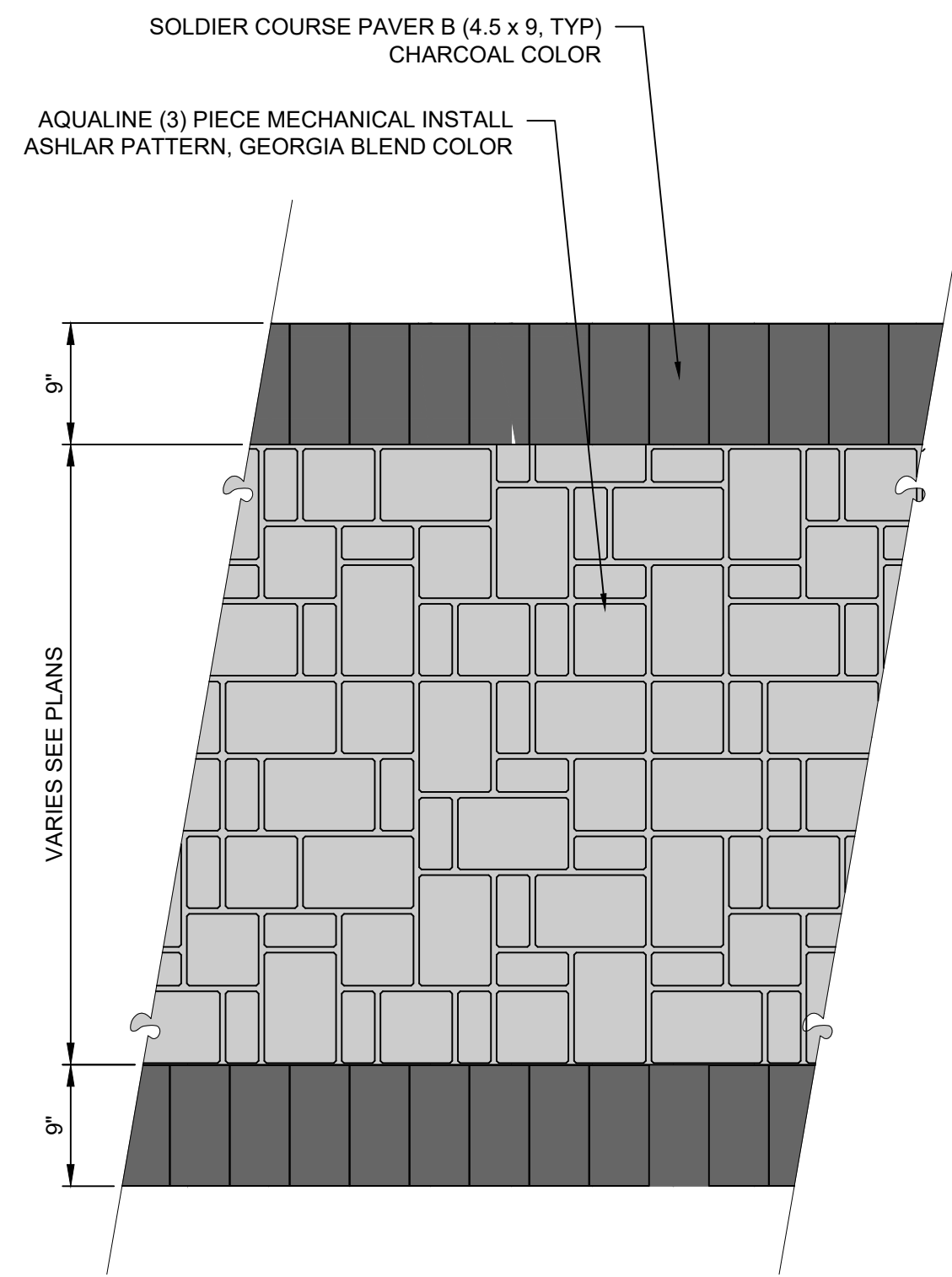
**2 CHAIN LINK FENCE GATE DETAIL**  
L7.04 SCALE: N.T.S.



**ROUND POST HINGE ENLARGEMENT**

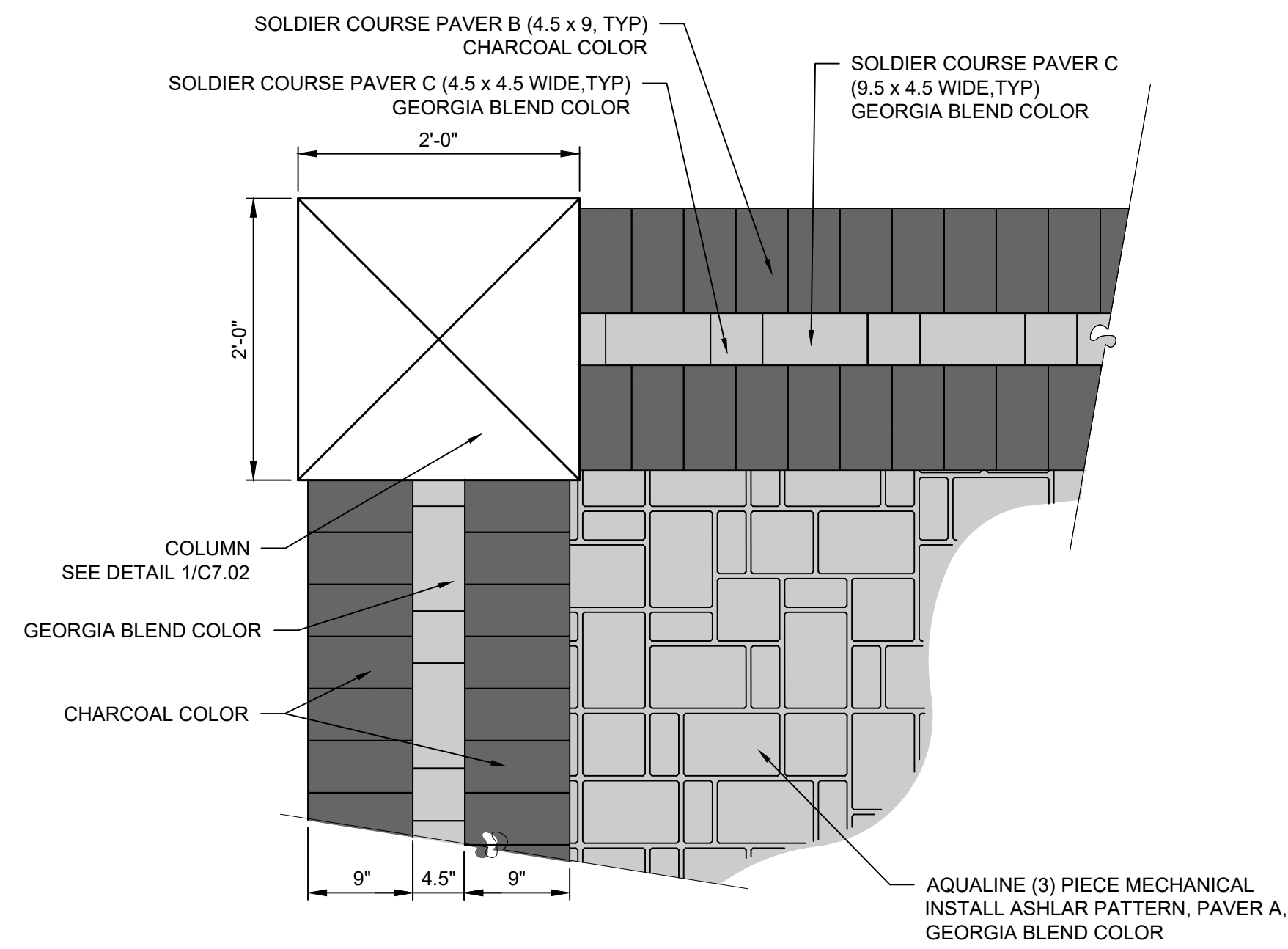


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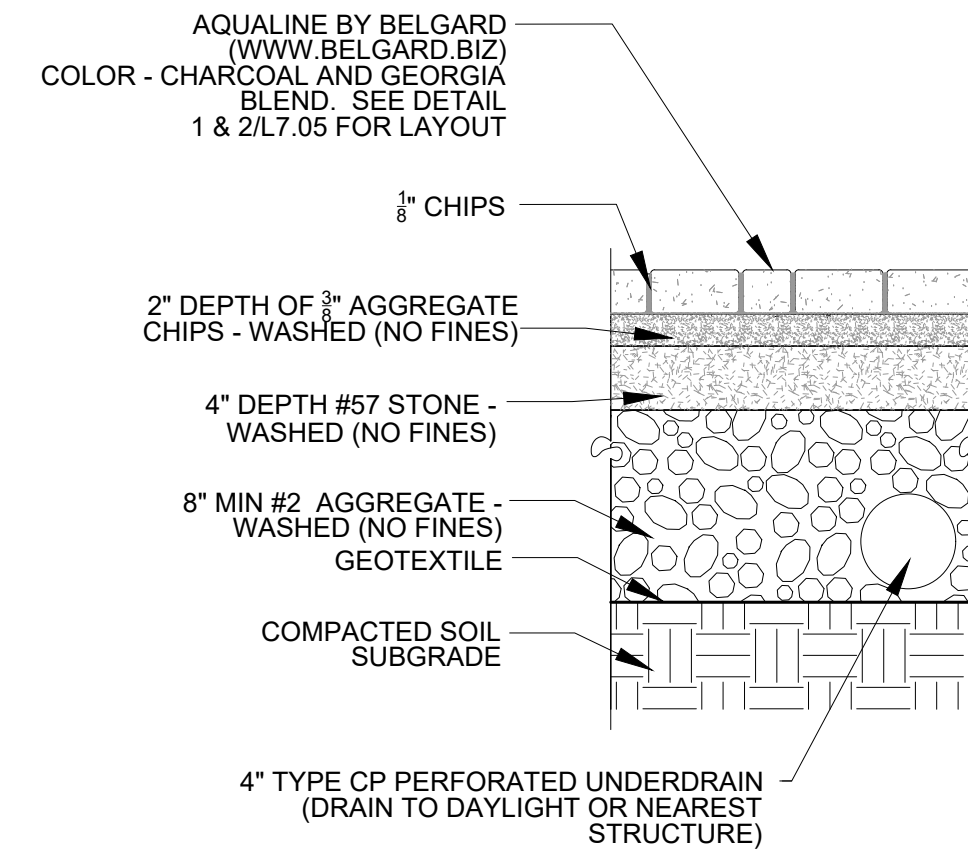
**PERMEABLE PAVERS (W/ BORDER A)**

1  
L7.05 1/8" = 1'-0"



**PAVERS @ COLUMN DETAIL (BORDER B)**

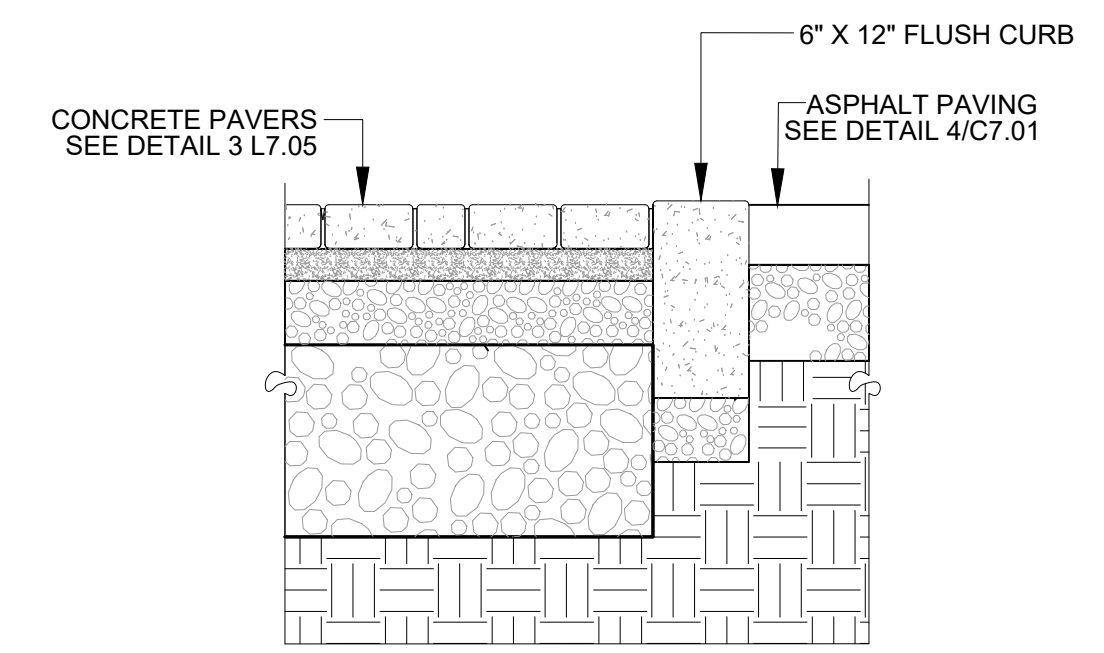
2  
L7.05 1/8" = 1'-0"



NOTE: FOR CONCRETE PAVER SIZE, PATTERN & COLOR, SEE SPECS

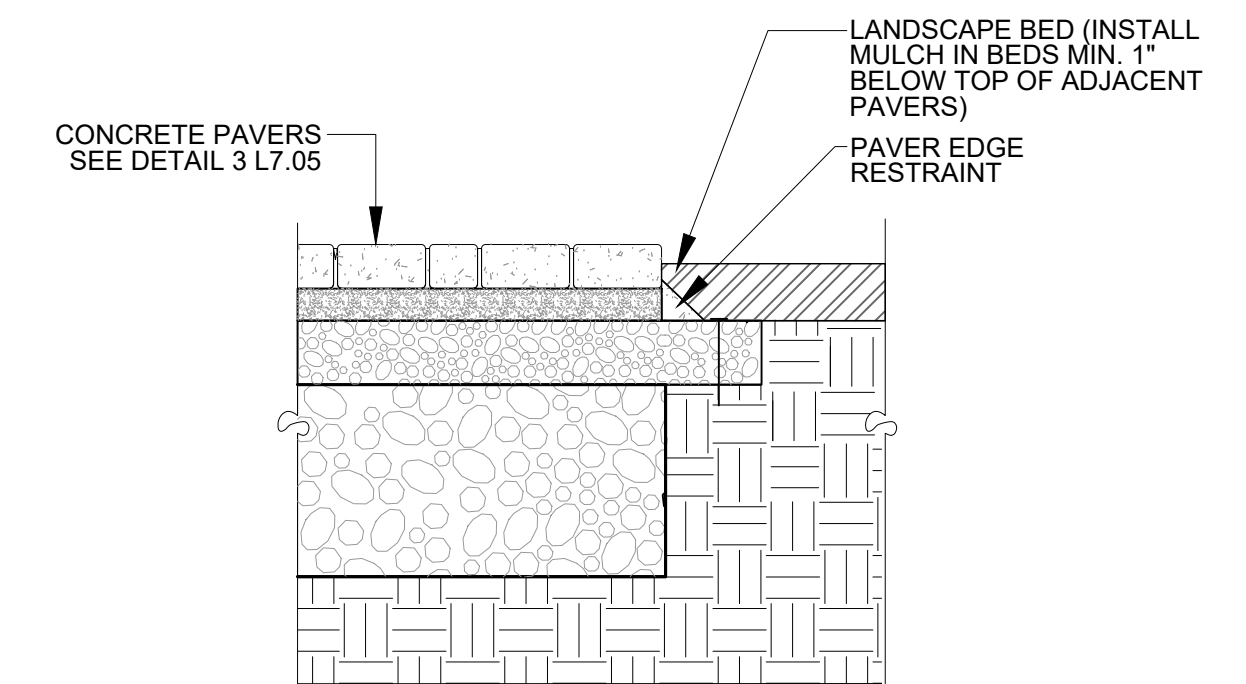
**PERVIOUS CONCRETE PAVER CROSS-SECTION DETAIL**

3  
L7.05 NTS



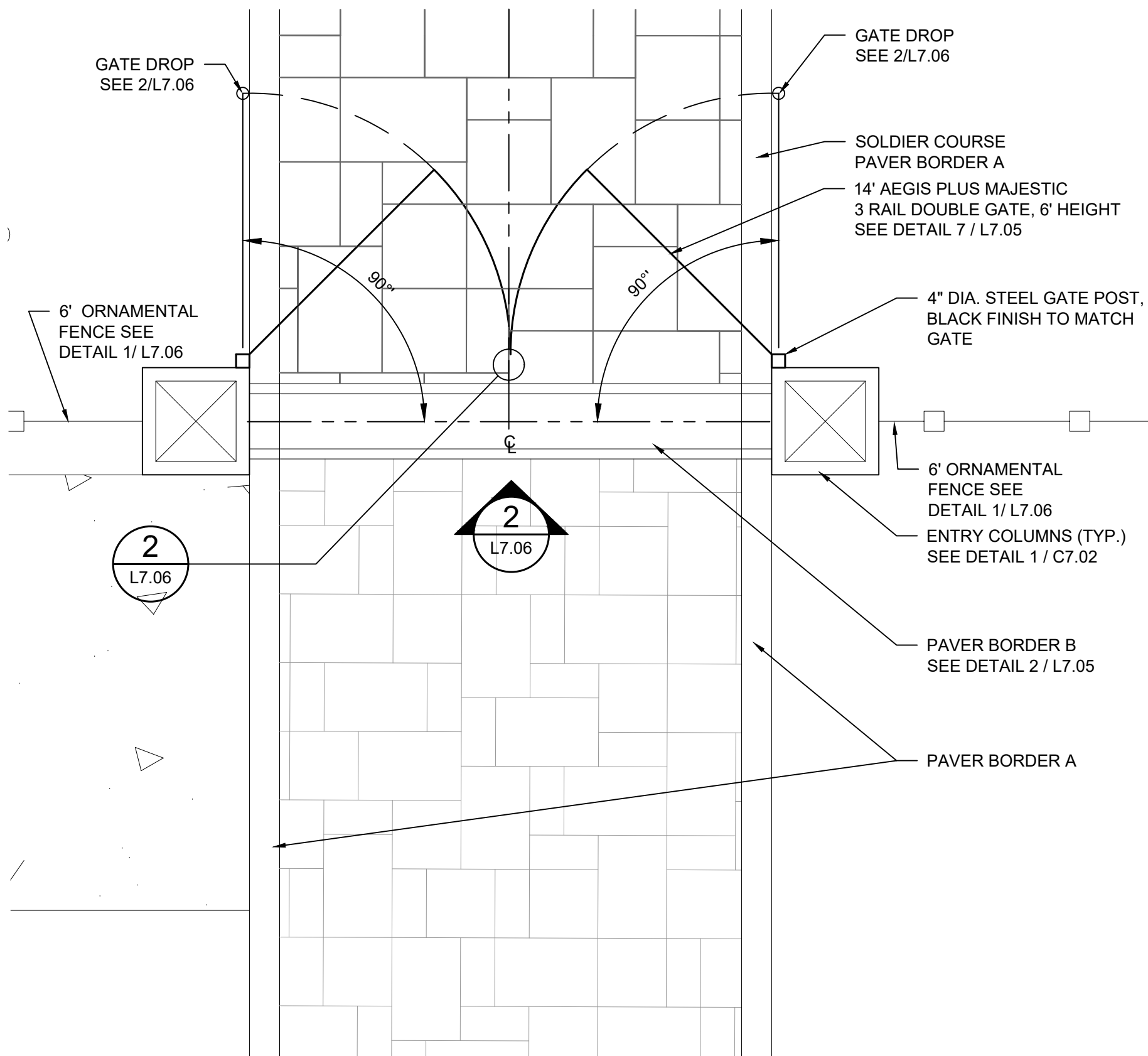
**CONCRETE PAVERS @ FLUSH CURB DETAIL**

4  
L7.05 NTS



**CONCRETE PAVER @ LANDSCAPE BED DETAIL**

5  
L7.05 NTS

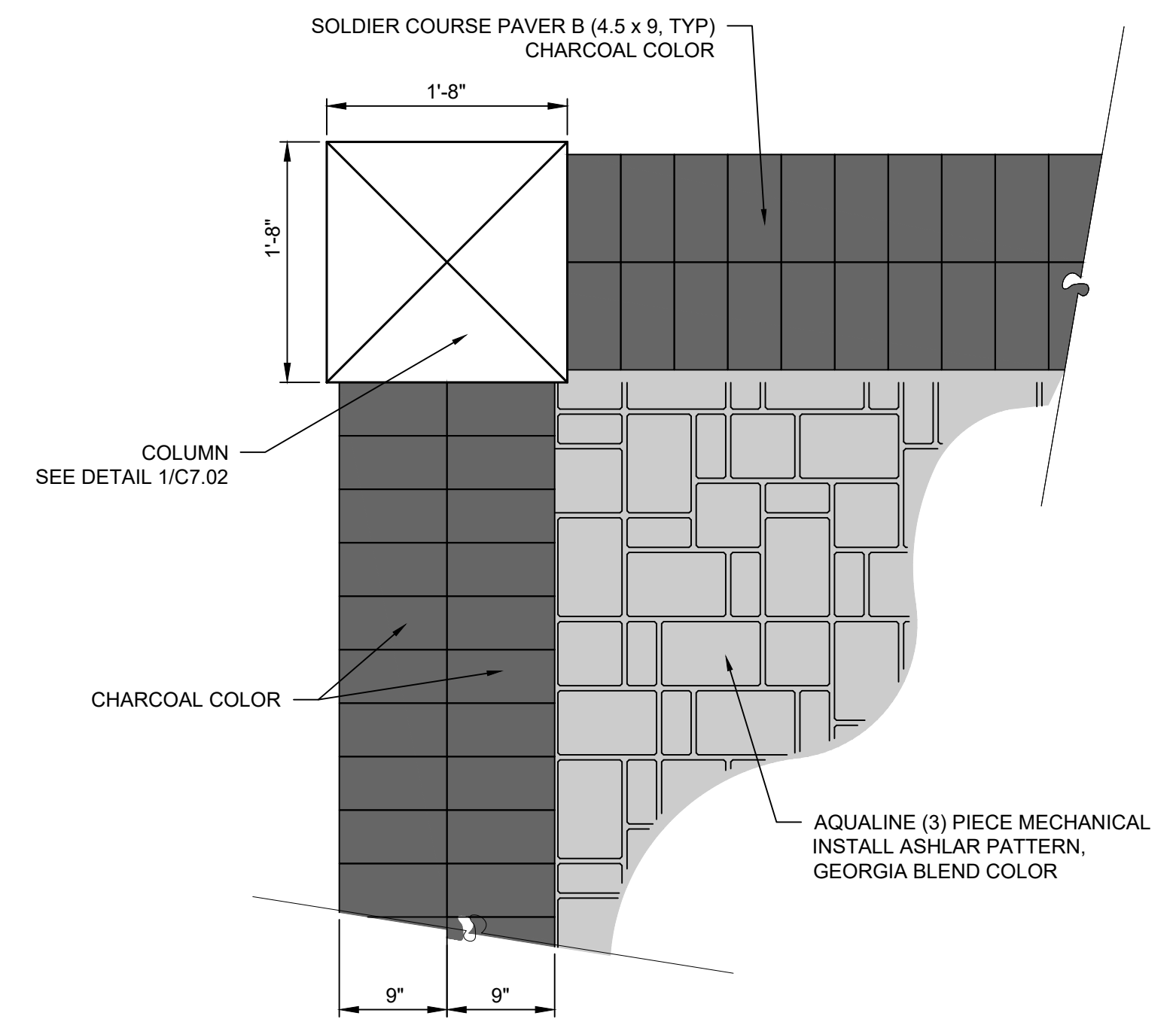


**ENTRANCE GATE DETAIL**

6  
L7.05 NTS

**NOT USED**

7  
L7.05 NTS



**PAVERS @ COLUMN DETAIL (BORDER C)**

8  
L7.05 1/8" = 1'-0"



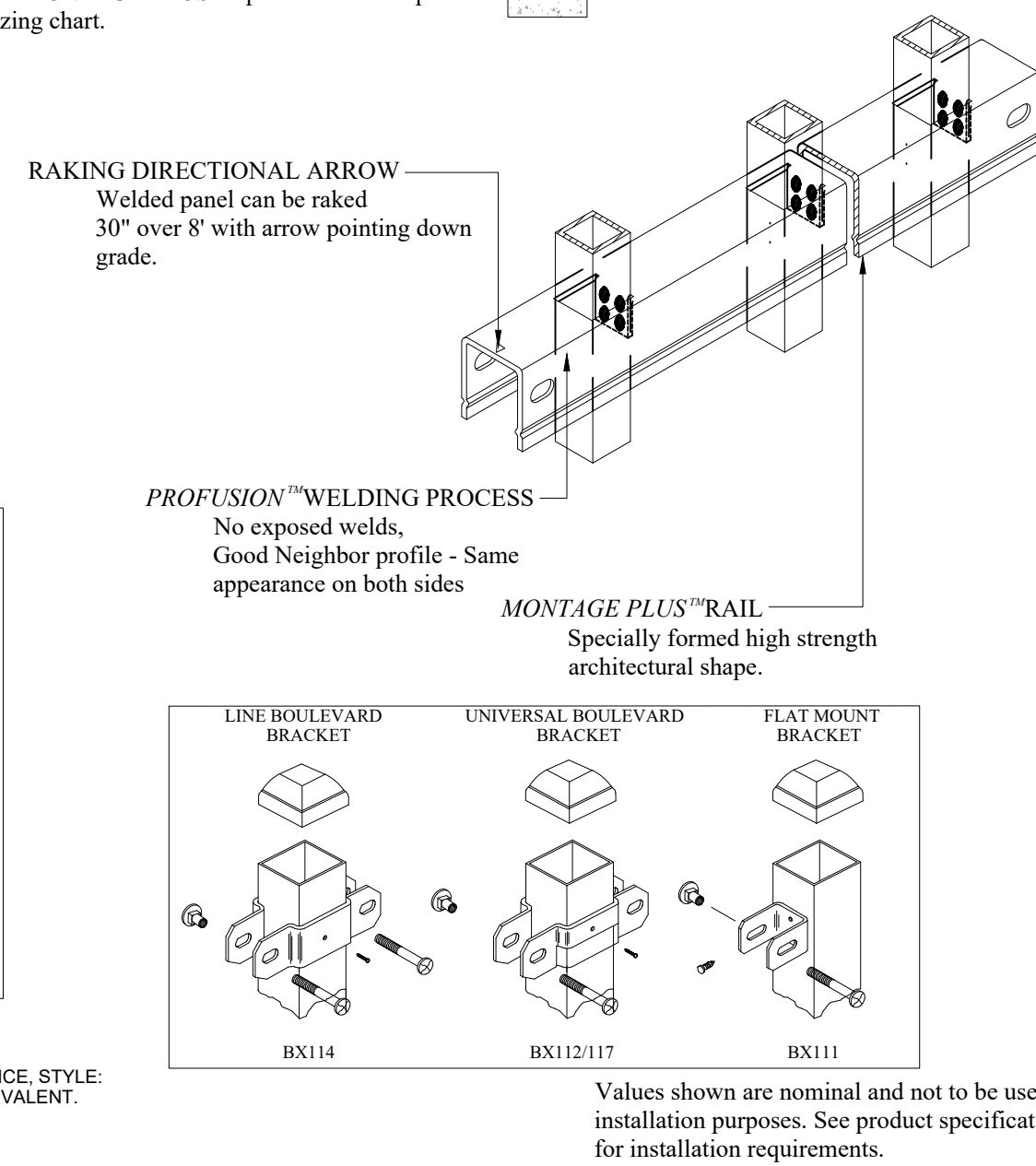
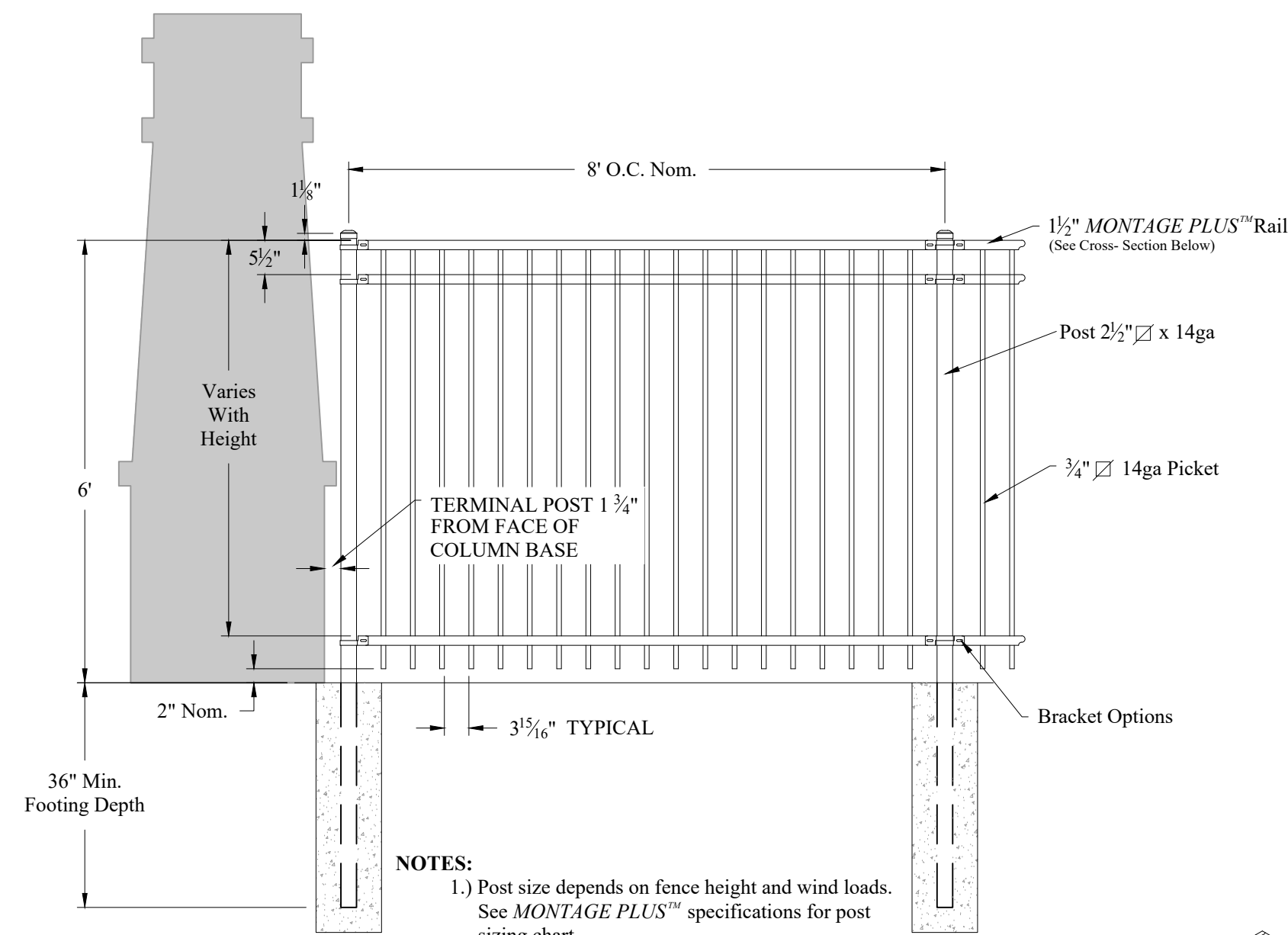
**SITE PAVER DETAILS**

**CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA**

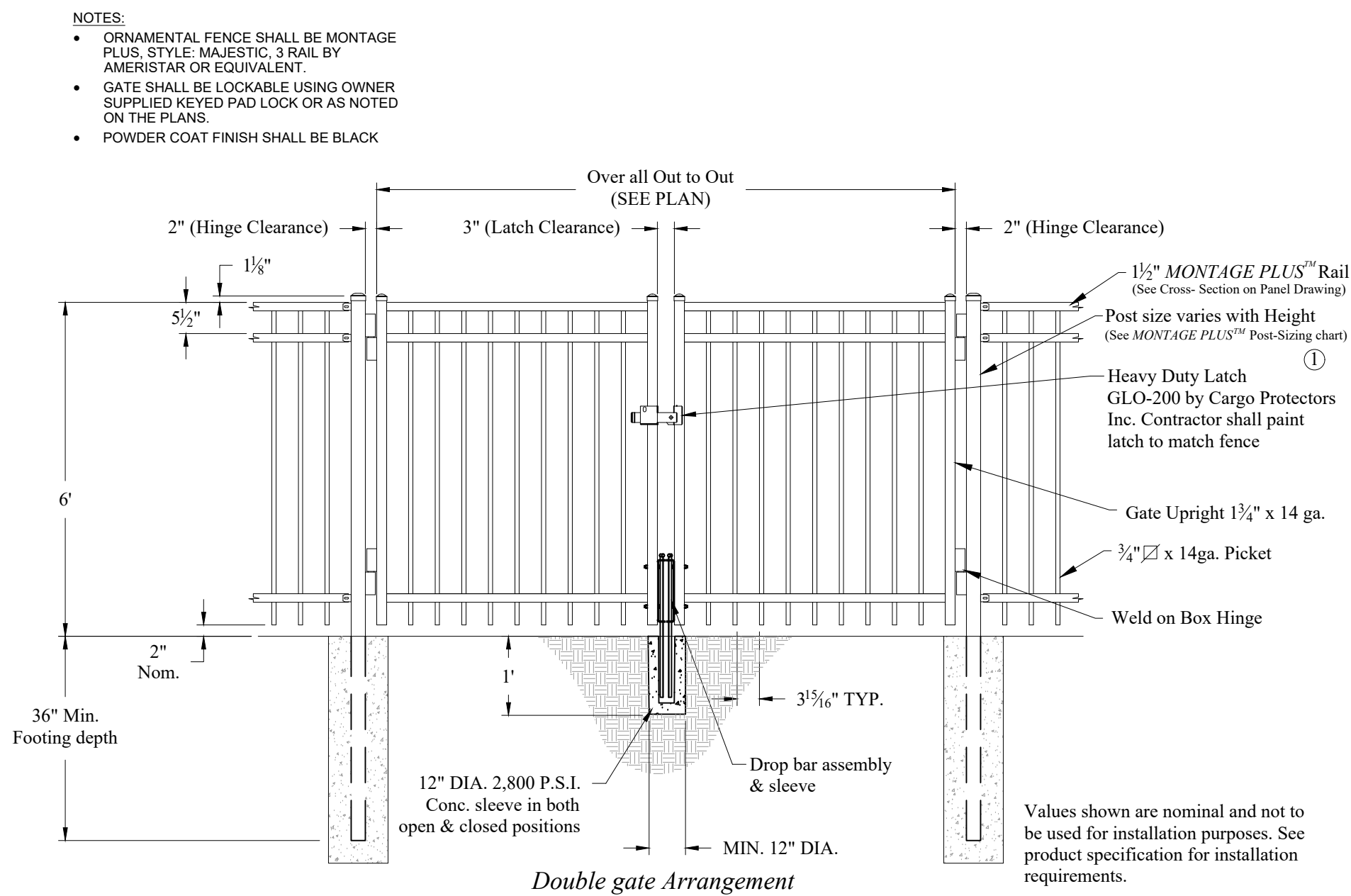
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**L7.05**

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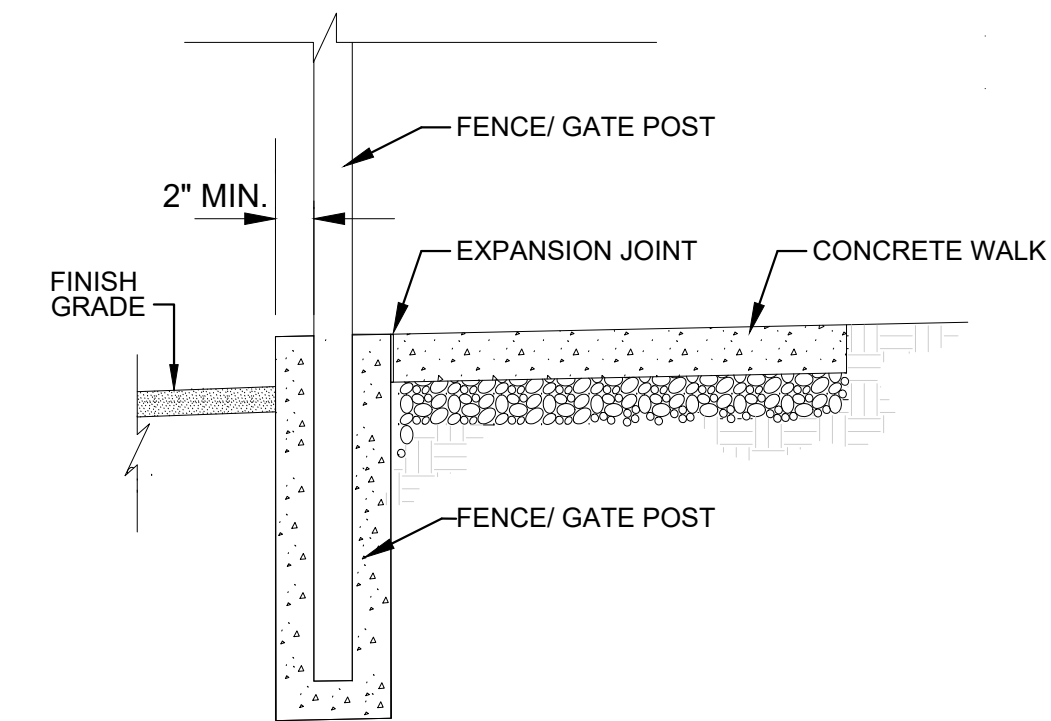
1 ORNAMENTAL FENCE  
L7.06 SCALE: N.T.S.



2 ORNAMENTAL GATE  
L7.06 SCALE: N.T.S.

ORNAMENTAL FENCE NOTES:

- ORNAMENTAL FENCE SHALL BE MONTAGE PLUS STEEL FENCING, STYLE: MAJESTIC W/ FLUSH BOTTOM RAIL & 4" PICKET SPACING, COLOR: BLACK, BY AMERISTAR FENCE OR APPROVED EQUAL.
- ORNAMENTAL SWING GATES SHALL BE MONTAGE PLUS STEEL GATE, STYLE: MAJESTIC WITH FLUSH BOTTOM RAIL, COLOR: BLACK, BY AMERISTAR FENCE OR APPROVED EQUAL.
- SEE ARCHITECTURAL DRAWINGS FOR FENCE AT BUILDING STRUCTURE COLUMNS.
- 180 DEGREE HINGED GATES SHALL REST AGAINST THE ADJACENT FENCE WHEN FULLY OPEN.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL OF ALL FENCE MATERIALS AND LAYOUT/ALIGNMENT OF FENCING TO THE ENGINEER FOR APPROVAL.
- SEE ARCHITECTURAL DRAWINGS FOR FENCE ATTACHMENT TO BUILDINGS/STRUCTURE COLUMNS.



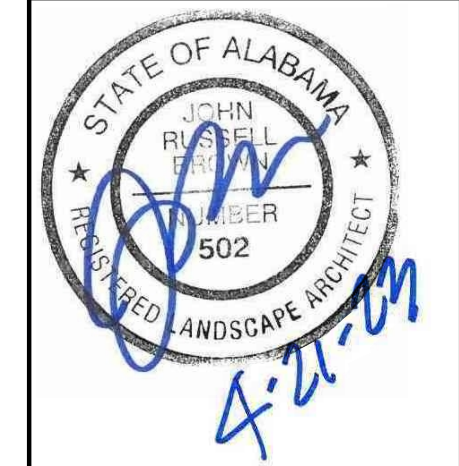
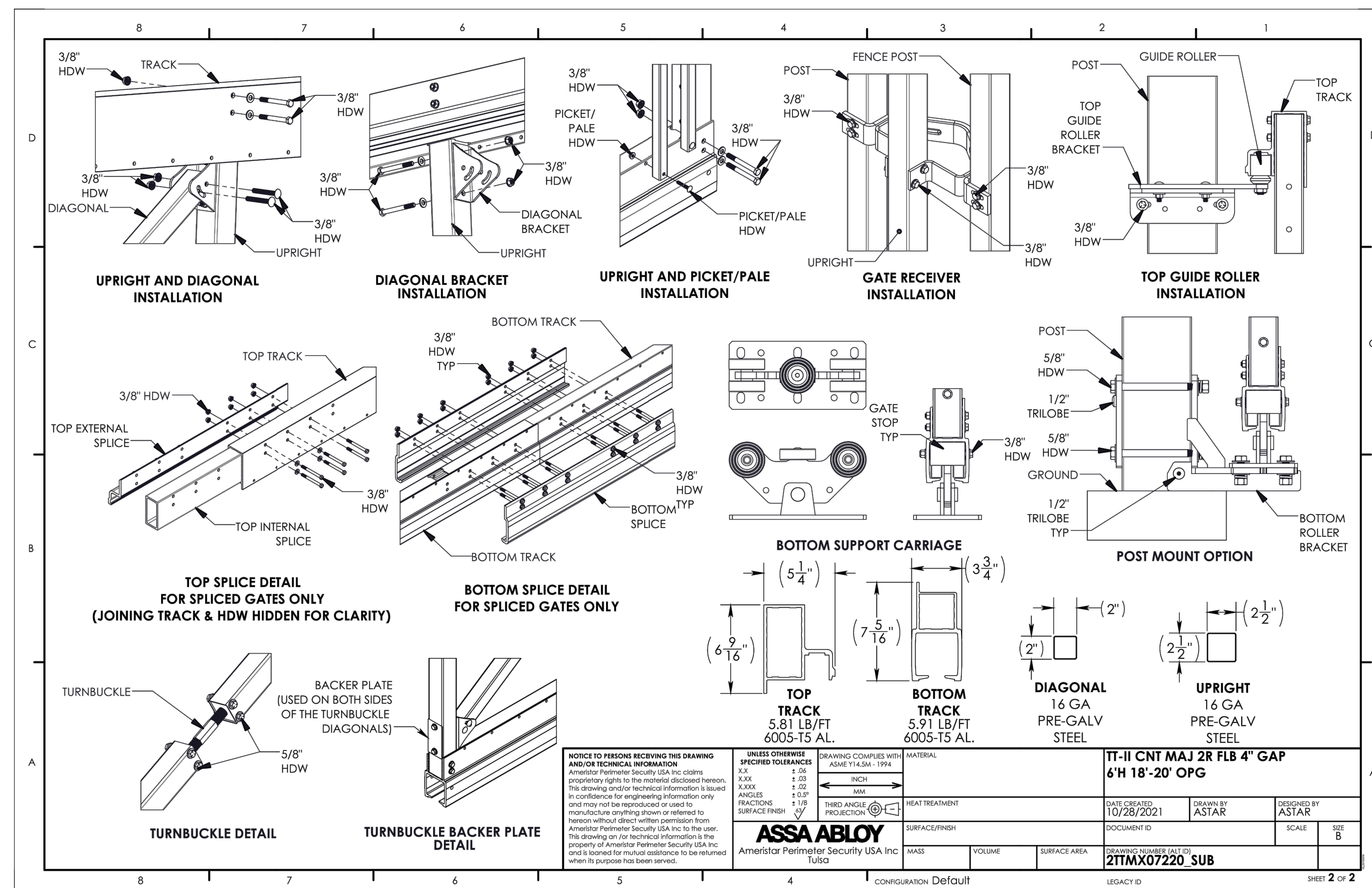
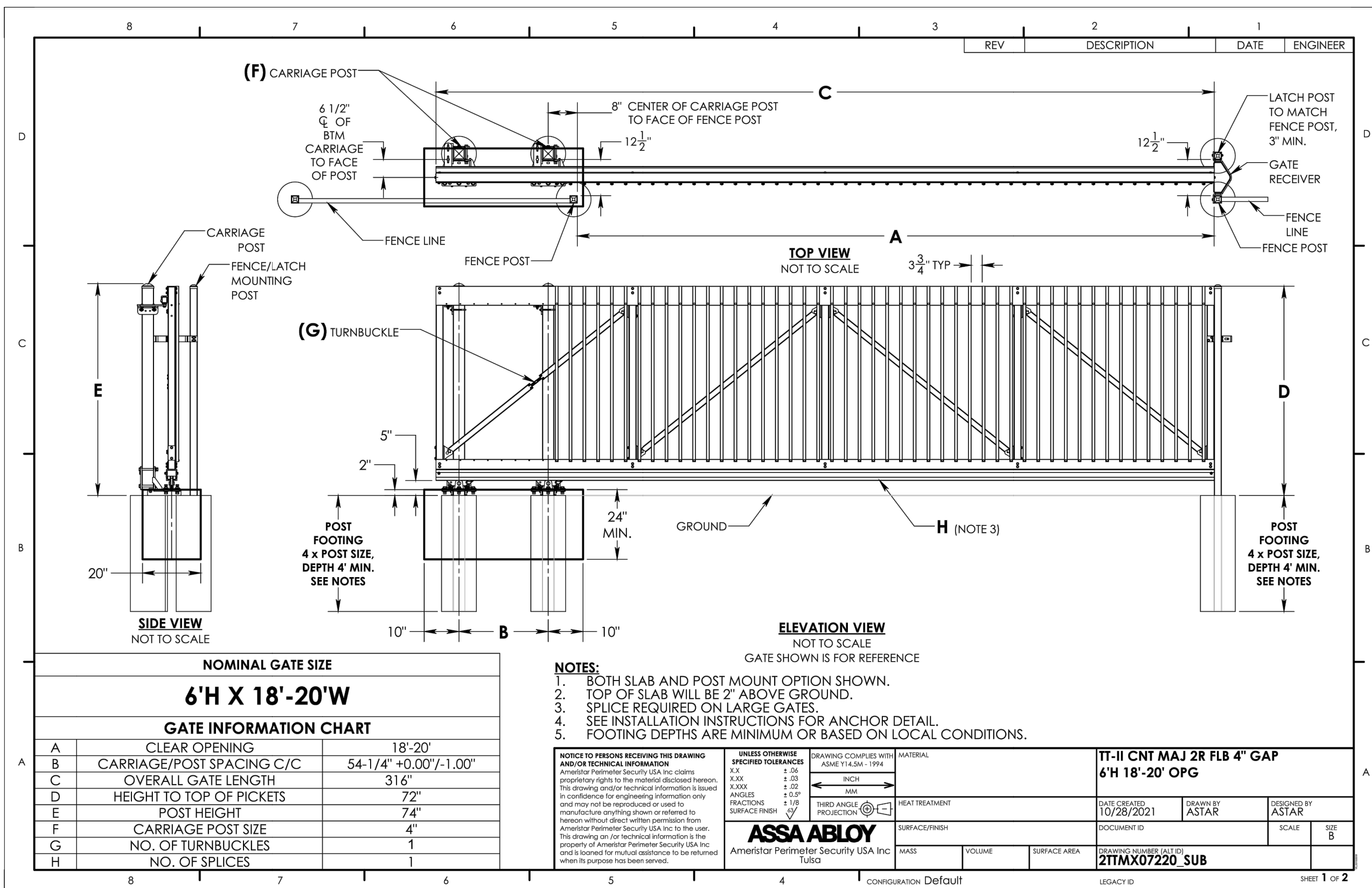
3 @ EDGE OF CONCRETE SECTION  
C7.02 NTS



SITE DETAILS

CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

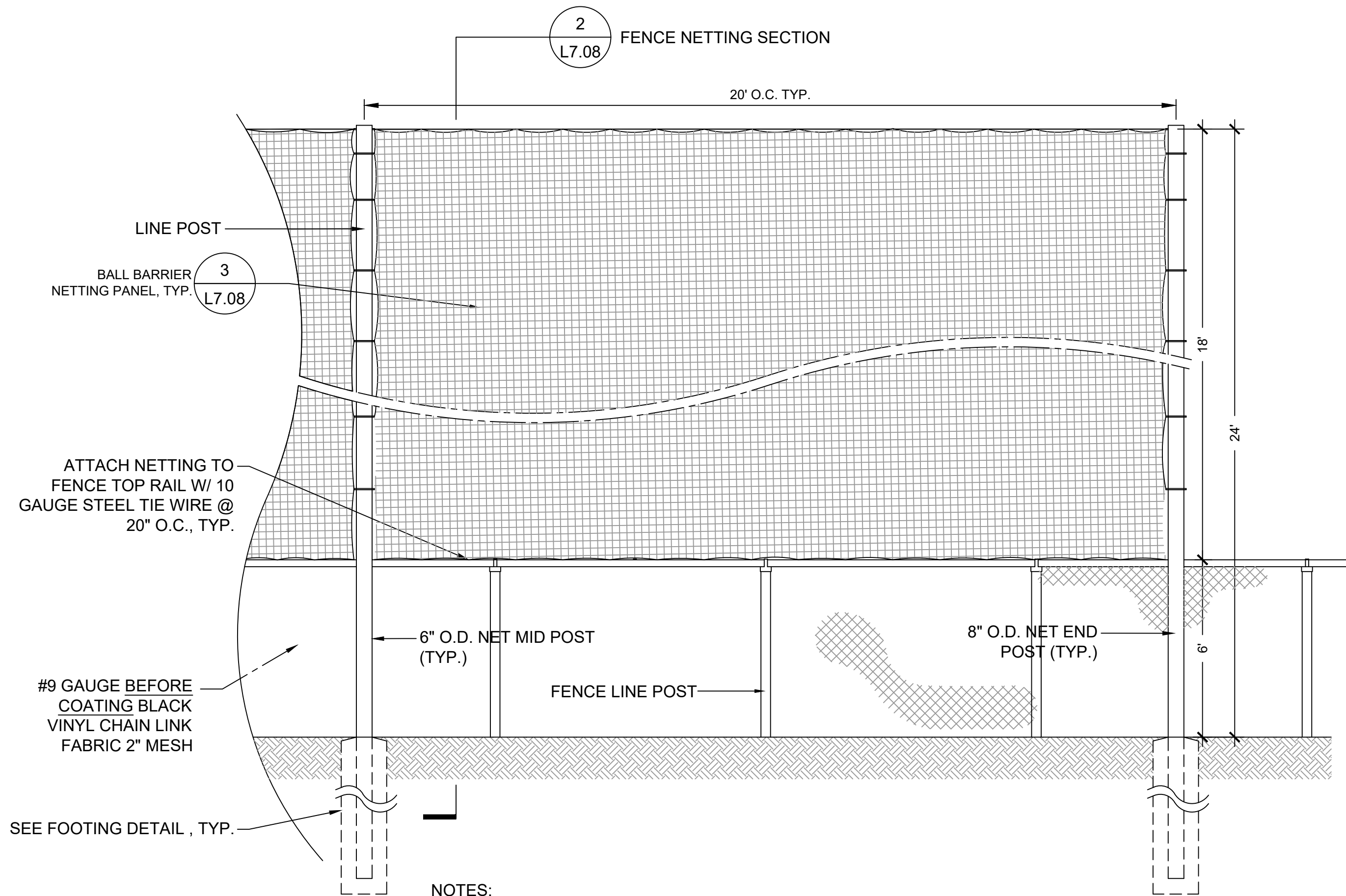
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REV.	DR.	CHK.	DATE	DESCRIPTION
0	JAL	JRB	04/21/2023	ISSUED FOR BID



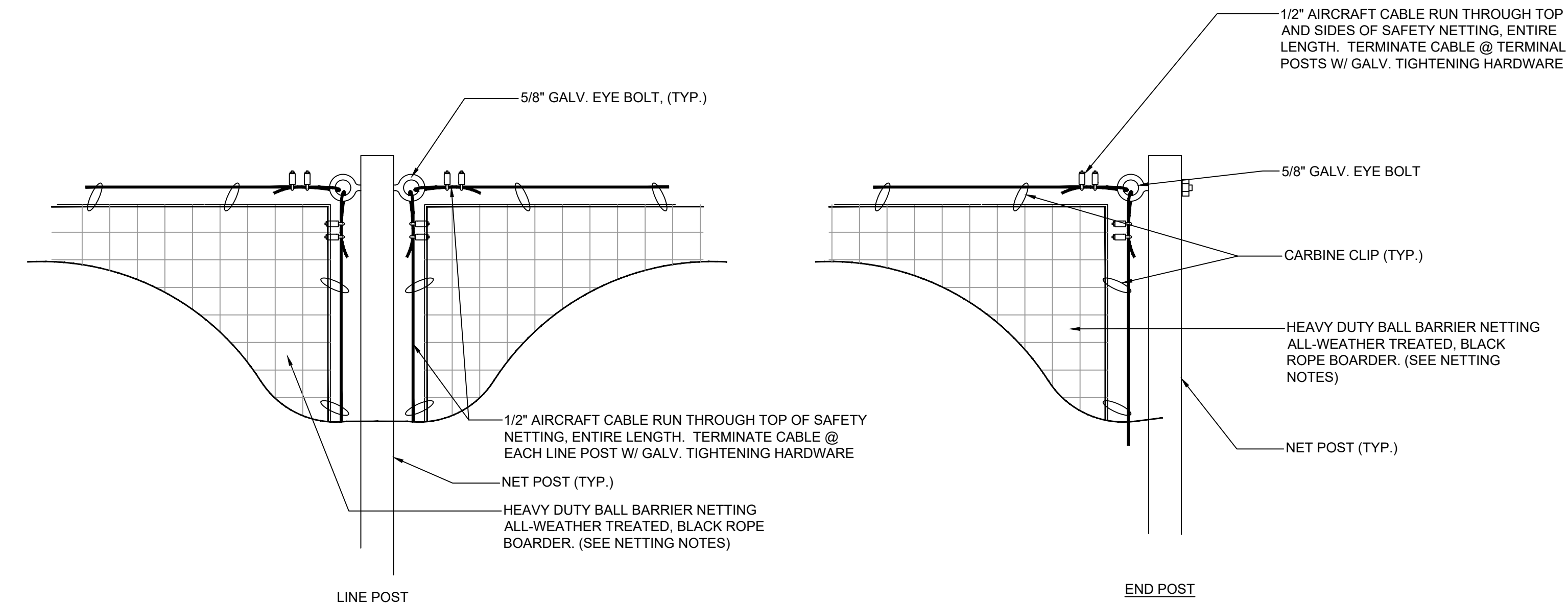
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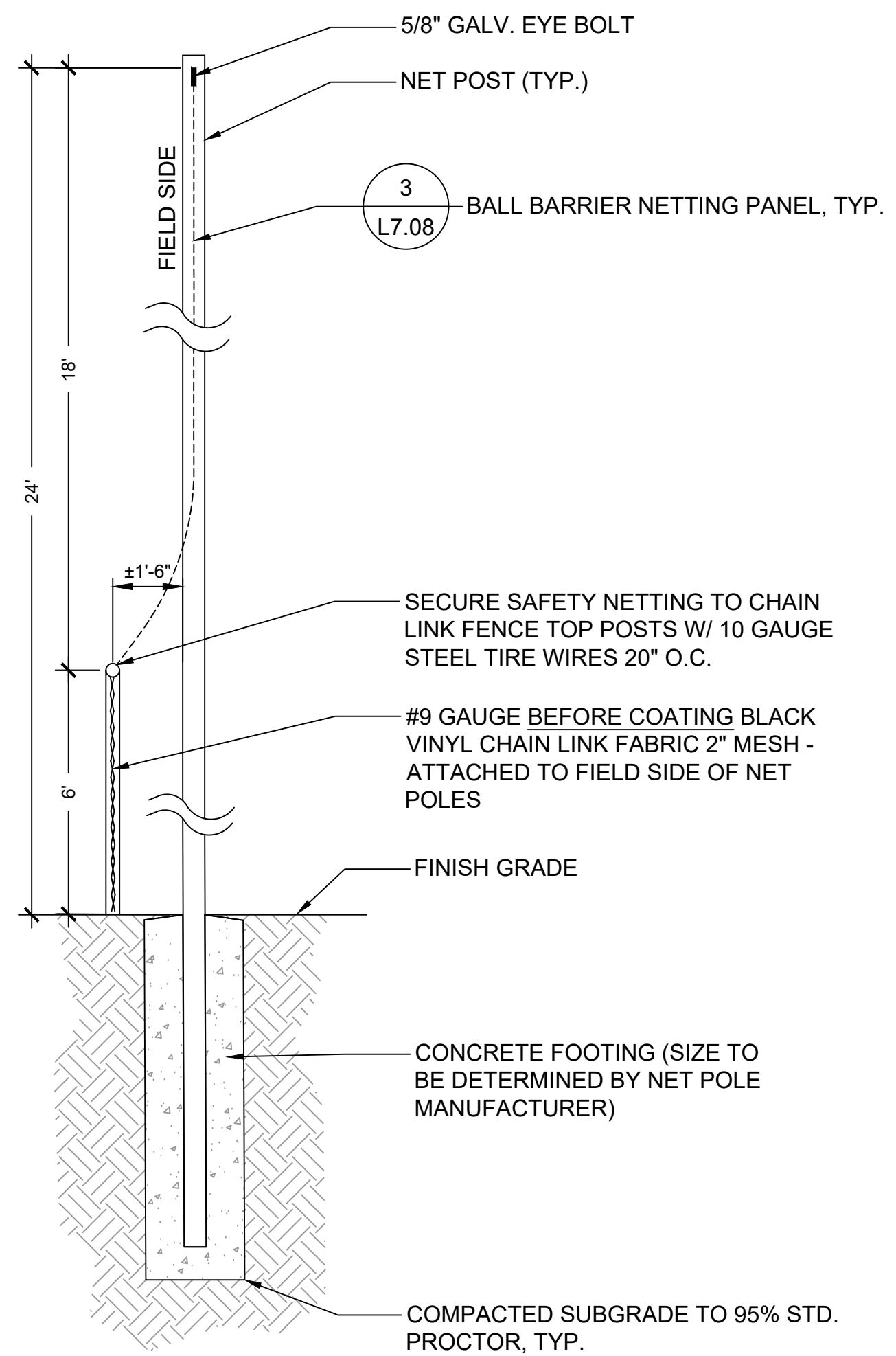
**NOTES:**

- DRAWING SHOWN FOR INTENT ONLY. CONTRACTOR SHALL SUBMIT COMPLETE FABRICATION AND ERECTION DRAWINGS WITH SPECIFIED MATERIAL, SIZES, SPACING & LAYOUT, CONNECTION DETAILS, AND LOCATIONS FOR ALL STRUCTURAL ELEMENTS, INCLUDING ANCHORAGE TO THE FOUNDATION TO ADEQUATELY RESIST ALL APPLICABLE DESIGN LOADS. ALL DRAWINGS SHALL BEAR THE SEAL OF THE CORRESPONDING DESIGN PROFESSIONAL REGISTERED IN THE STATE OF ALABAMA.
- CONTRACTOR IS RESPONSIBLE TO VERIFY FOOTING SIZE IN WRITING FROM THE MANUFACTURER.
- INSTALL PRE-ENGINEERED STRUCTURES TO COMPLY WITH MANUFACTURER'S INSTALLATION DETAILS TO MAINTAIN WARRANTY AS SPECIFIED.
- PRE-ENGINEERED STRUCTURES SHALL COMPLY WITH ALL CURRENT STATE AND LOCAL BUILDING CODE REQUIREMENTS.
- COLOR OF ALL FENCE AND NET SUPPORT STRUCTURES SHALL BE BLACK.

**1** **OUTFIELD SAFETY NETTING**  
L7.08 N.T.S.



**3** **NETTING ATTACHMENT**  
L7.08 N.T.S.



**NOTES:**

- NET POST MANUFACTURER SHALL SUBMIT SEALED ENGINEERED DRAWINGS FOR THE FOOTING DESIGN. DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF ALABAMA.

**2** **SAFETY NETTING - SECTION**  
L7.08 N.T.S.

**NETTING NOTES:**

- NET TO BE BLACK IN COLOR, MODEL- REDDEN #36 H.D. BASEBALL NETTING SYSTEM, AS MANUFACTURED BY LFS INC., 851 COHO WAY, SUITE 200, BELLINGHAM, WA 98225 (1-800-426-8860) OR APPROVED EQUAL, SIZE: 3-1/2" STRETCH MESH, 1-3/4" SINGLE BAR MEASURE. NETTING SHALL BE MADE OF 100% DUPONT TYPE 66 HIGH-GRADE NYLON, MANUFACTURED WITH UV TREATED YARN.
- SECURE NETTING TO POLES @ 18" O.C. USING TENSION RINGS - USE SET SCREWS TO KEEP TENSION RINGS FROM ROTATING
- SPLICE NET SECTIONS TOGETHER ONLY AT NET POSTS. WRAP NETTING OUTSIDE OF POLES.
- SECURE NETTING TO 1/2" SUPPORT CABLE @ 10" O.C. ALONG TOP AND BOTTOM EDG
- SECURE NETTING W/ 10 GAUGE STEEL TIE WIRES TO TOP RAIL AT 20" O.C.
- CONNECTIONS TO BE MADE W/ WATER AND ULTRAVIOLET RESISTANT ASTM 30 COUNT NYLON THREAD

GENERAL NOTES

- 1. PRIOR TO THE START OF WORK, THE LANDSCAPE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF UTILITIES...
2. EXAMINE SUBGRADE UPON WHICH WORK IS TO BE PERFORMED...
3. PLANT AND MATERIAL QUANTITIES IN THE PLANT SCHEDULE ARE BASED ON THE PLANS AS SHOWN...
4. PROTECT EXISTING GRASS AREAS, TREES, AND OTHER VEGETATION TO REMAIN...
5. DAMAGE BY CONTRACTOR TO UNDISTURBED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED...
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LANDSCAPE QUANTITY CALCULATIONS AND THE LIABILITY WHICH PERTAINS TO THOSE QUANTITIES...
7. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING SITE INSPECTION PRIOR TO BIDDING WORK...
8. PRIOR TO PLANTING, THE CONTRACTOR IS TO OBTAIN SOIL TESTS FOR ALL PLANTING AREAS TO DETERMINE IF THE PROPER SOIL PH IS PRESENT...
9. SUBSTANTIAL COMPLETION: WILL BE PROVIDED AFTER THE CONTRACTOR HAS SATISFACTORILY COMPLETED WORK REQUIREMENTS AS SPECIFIED...
10. FINAL ACCEPTANCE: THE LANDSCAPE ARCHITECT WILL PROVIDE THE FINAL INSPECTION AFTER THE CONTRACTOR HAS SATISFACTORILY CORRECTED THE DEFICIENCIES...
11. AFTER FINAL ACCEPTANCE AND PRIOR TO END OF WARRANTY PERIOD, CONTRACTOR SHALL REPLACE ALL PLANT MATERIAL THAT HAS DIED OR HAS DEFECTS...
12. DURING LANDSCAPE INSTALLATION KEEP PAVEMENTS CLEAN AND WORK AREA IN ORDERLY CONDITION...
13. CONTRACTOR TO REPAIR ANY PAVEMENTS, CURBS, DRAINAGE AND OTHER IMPROVEMENTS DAMAGED AS A RESULT OF LANDSCAPE INSTALLATION ACTIVITIES...
14. NO PARKING, STORAGE, STOCKPILING, CONCRETE WASHOUT, OR DISTURBANCE TO BE DONE WITHIN TREE SAVE AREAS.

LANDSCAPE NOTES

- 1. ONLY "HEMP" BURLAP AND TWINE SHALL BE USED. NO TREATED OR PRESERVED BURLAP OR TWINE IS ALLOWED...
2. DIMENSIONS FOR HEIGHTS, SPREAD, AND TRUNK SPECIFIED ON THE MATERIAL SCHEDULE IS A GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT...
3. THE LOCATION OF ALL TREES, SHRUBS, AND GROUND COVER AREAS SHOWN ON THE PLAN SHALL BE STAKED/FLAGGED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE THE DIGGING OF PITS...
4. PROVIDE ONLY PLANTS THAT ARE FREE FROM DISEASES AND PESTS, AND THAT COMPLY WITH THE LATEST EDITION OF PUBLICATION ANSI Z60.1...
5. DO NOT MAKE SUBSTITUTIONS REGARDING PLANT SIZES OR SPECIES WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT...
6. REMOVE ALL STRINGS AND OTHER TIES FROM TREES...
7. PLANTS DESIGNATED "B&B" IN THE PLANT LIST SHALL BE BALLED AND BURLAPPED...
8. MINIMIZE DAMAGE TO THE ROOT BALL WHEN INSTALLING ALL PLANT MATERIAL...
9. THE BALLS OF "B&B" PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY ON DELIVERY SHALL BE COVERED WITH MOIST SOIL OR MULCH...
10. ALL PLANTS SHALL BE HANDLED SO THAT ROOTS ARE ADEQUATELY PROTECTED AT ALL TIMES...
11. NO PLANT SHALL BE BOUND WITH ROPE OR WIRE IN A MANNER THAT DAMAGES THE BARK...
12. ANY SERIES OF TREES OR SHRUBS TO BE PLACED IN A PARTICULAR ARRANGEMENT WILL BE FIELD CHECKED FOR ACCURACY BY THE LANDSCAPE ARCHITECT...
13. ALL PLANT BEDS SHALL BE SPRAYED WITH PRE-EMERGENT HERBICIDE (TRIFLAN OR EQUIVALENT)...
14. ALL PLANTING BEDS AND TREE PLANTINGS SHALL RECEIVE A MINIMUM 3" DEEP SHREDDED HARDWOOD MULCH LAYER...
15. THE VENDOR SHALL NOTIFY THE LANDSCAPE ARCHITECT BEFORE SHIPMENTS ARE MADE SO THAT ARRANGEMENTS CAN BE MADE FOR INSPECTION AND TESTING OF STOCK.

LANDSCAPE NOTES CONTINUED

- 16. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR GUYING, FERTILIZING, APPLICATION OF INSECTICIDES/HERBICIDES, AND FOR THE WATERING AND MAINTENANCE TO INCLUDE BUT NOT LIMITED TO WEEDING, MULCHING, AND STRAIGHTENING OF ALL INSTALLED PLANT MATERIAL...
17. ALL PLANT MATERIAL IS TO BE GUARANTEED FOR ONE (1) YEAR...
18. GROUND COVER SPACING PATTERN SHALL BE AS INDICATED ON TYPICAL SPACING PATTERN USING SPACING DIMENSION AS SHOWN ON PLANS AND SCHEDULE...
19. THE LANDSCAPE ARCHITECT MAY INSPECT TREES AND SHRUBS EITHER AT PLACE OF GROWTH OR AT SITE BEFORE PLANTING...
20. REPLACEMENT PLANT MATERIAL SHALL CLOSELY MATCH ADJACENT SPECIMENS OF THE SAME SPECIES AND SHALL CONFORM TO THE STANDARDS FOR PLANT MATERIALS SPECIFIED...
21. NO PLANT MATERIAL REQUIRED TO BE BALLED AND BURLAPPED SHALL BE ACCEPTED IF THE BALL IS CRACKED OR BROKEN...
22. PLANT BED PREPARATION: THOROUGHLY DISC, SCARIFY, & LOOSEN SUBGRADE OF PLANTING BEDS TO A MINIMUM DEPTH OF 4 INCHES.

SODDING NOTES

- 1. SOD ALL AREAS AS INDICATED ON THE PLANS. SOD IS TO BE SOIL BASED SOD FOR ALL AREAS OF THE BASE PLAN...
2. 6" OF TOPSOIL SHALL BE PROVIDED ON ALL AREAS TO BE SODDED...
3. SOD BED PREPARATION: LOOSEN SUBGRADE OF LAWN AREAS TO A MINIMUM DEPTH OF 4 INCHES...
4. THE SOIL SHALL BE THOROUGHLY TILLED TO DEPTH OF FOUR (4) INCHES AND TWENTY-FIVE (25) POUNDS OF A COMPLETE FERTILIZER PER ONE THOUSAND (1,000) SQUARE FEET...
5. FINE GRADE LAWN AREAS TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE...
6. SOD IS TO BE LAID AS SOON AS IT IS DELIVERED TO PLANTING AREAS...
7. FERTILIZER: CONTRACTOR SHALL PERFORM A SOIL TEST PRIOR TO SODDING...
8. SOD IS TO BE ROLLED AND WATERED WITHIN 10 DAYS OF INSTALLATION...
9. AFTER TWO WEEKS, TOPDRESS AND THOROUGHLY WATER...
10. TOP DRESS SODDED AREAS WITH CLEAN, WEED FREE BUILDER'S SAND...
11. REPAIR AND RESOD ALL ERODED OR DISTURBED SOD AREAS...
12. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF SODDED AREAS UNTIL AREAS EXHIBIT HEALTHY AND VIGOROUS GROWTH...
13. SEE SPECIFICATIONS FOR PLACEMENT OF SOD ON THE SPORTS FIELDS.

IRRIGATION NOTES

- 1. IRRIGATION PLANS ARE NOT INCLUDED AS PART OF THESE LANDSCAPE PLANS...
2. THE PROPOSED AREA OF IRRIGATION IS TO BE ALL LANDSCAPE BEDS & TREES...
3. ALL PRODUCTS SHALL HAVE CUT SHEETS SUBMITTED TO THE LANDSCAPE ARCHITECT...
4. CONTRACTOR TO SUBMIT DETAILED IRRIGATION LAYOUT PLANS TO LANDSCAPE ARCHITECT INDICATING:
A. LOCATION, TYPE AND COVERAGE OF HEADS (SPRAY ARC)
B. ZONE MAP WITH FLOW RATES
C. DETAILED IRRIGATION PROGRAMMING SCHEDULE TO ENSURE MAXIMUM PERFORMANCE OF THE SYSTEM...
5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING GPM RATE AND PSI FOR SYSTEM CALCULATIONS...
6. PROPOSED IRRIGATION SYSTEM AND LAYOUT SHALL:
D. PROVIDE 1-1 " SERVICE ASSEMBLY (MIN.) ALL SUPPLY LINES & FITTINGS FROM STORAGE TANK MUST BE PURPLE IN COLOR...
E. PROVIDE COMPUTER CONTROLLER TO BE APPROVED BY LANDSCAPE ARCHITECT.

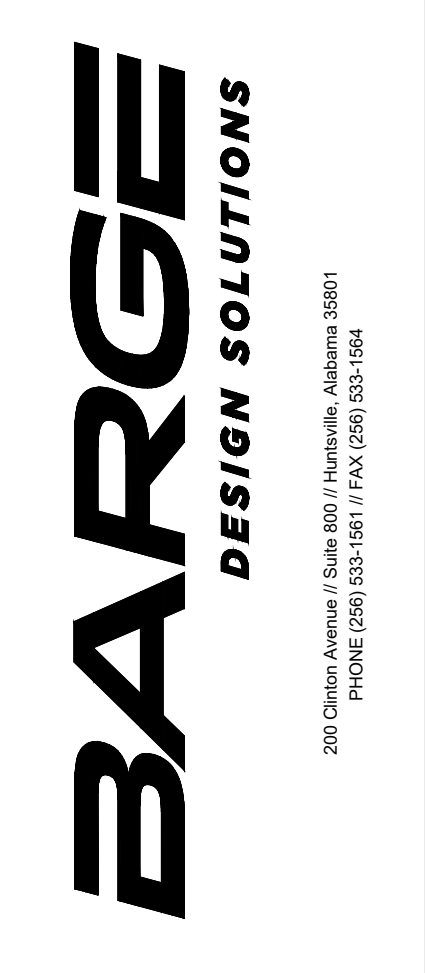
IRRIGATION NOTES CONTINUED:

- 7. IRRIGATION CONTROLLER TO BE EQUIPPED WITH SMART WEATHER STATION...
8. ALL IRRIGATION IS TO BE DRIP IRRIGATION OR SPRAY AS NEEDED...
9. ALL NEWLY INSTALLED PLANT MATERIALS SHALL BE FULLY IRRIGATED TO ENSURE PLANT HEALTH AND GROWTH SUCCESS...
10. THE IRRIGATION CONTRACTOR SHALL COORDINATE LAYOUT AND INSTALLATION WITH THE GENERAL CONTRACTORS ON THE SITE...
11. CONTROLLER TO BE MOUNTED AND LOCATED INSIDE PROPOSED BUILDING...
12. COORDINATE LOCATION WITH OWNER...
13. CONTRACTOR SHALL INSTALL 4" SCHEDULE 40 PVC PIPE SLEEVES A MINIMUM DEPTH OF 18" BELOW FINISH GRADE...
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CONSTRUCTION PERMITS AND FEES...
15. GENERAL CONTRACTOR SHALL PROVIDE 120-VOLT POWER SOURCE FOR CONTROLLER...
16. INSTALL ADDITIONAL AUTOMATIC DRAIN VALVES AS REQUIRED TO DRAIN ALL LINES FOR PROTECTION AGAINST WINTER FREEZE DAMAGE...
17. 24V WIRING TO BE MINIMUM AWG 12/1, SUITABLE FOR DIRECT BURIAL PER CODE...
18. INSTALL AUTOMATIC CONTROL VALVES IN AMETEK VALVE BOXES...
19. COMPLETE WORK IN COMPLIANCE WITH LOCAL AND STATE CODES...
20. UPON COMPLETION OF IRRIGATION SYSTEM, CONTRACTOR SHALL TEST AND ADJUST SYSTEM WITH LANDSCAPE ARCHITECT PRESENT...
21. CONTRACTOR TO MAKE 1 MONTH, 6 MONTH AND 9 MONTH MAINTENANCE VISITS...
22. DISCREPANCIES BETWEEN THE FIELD LAYOUT AND CONTRACT DOCUMENTS...
23. CONTRACTOR TO REFER TO CIVIL DRAWINGS FOR ALL METER AND BACKFLOW INFORMATION...

PLANT SCHEDULE PHASE 2

Table with columns: TREES, SHRUBS, SHRUB AREAS, GROUND COVERS. Each section contains columns for QTY, BOTANICAL NAME, COMMON NAME, CONDITION, SIZE, HEIGHT, SPACING, and COMMENTS.

1 PLANT SCHEDULE



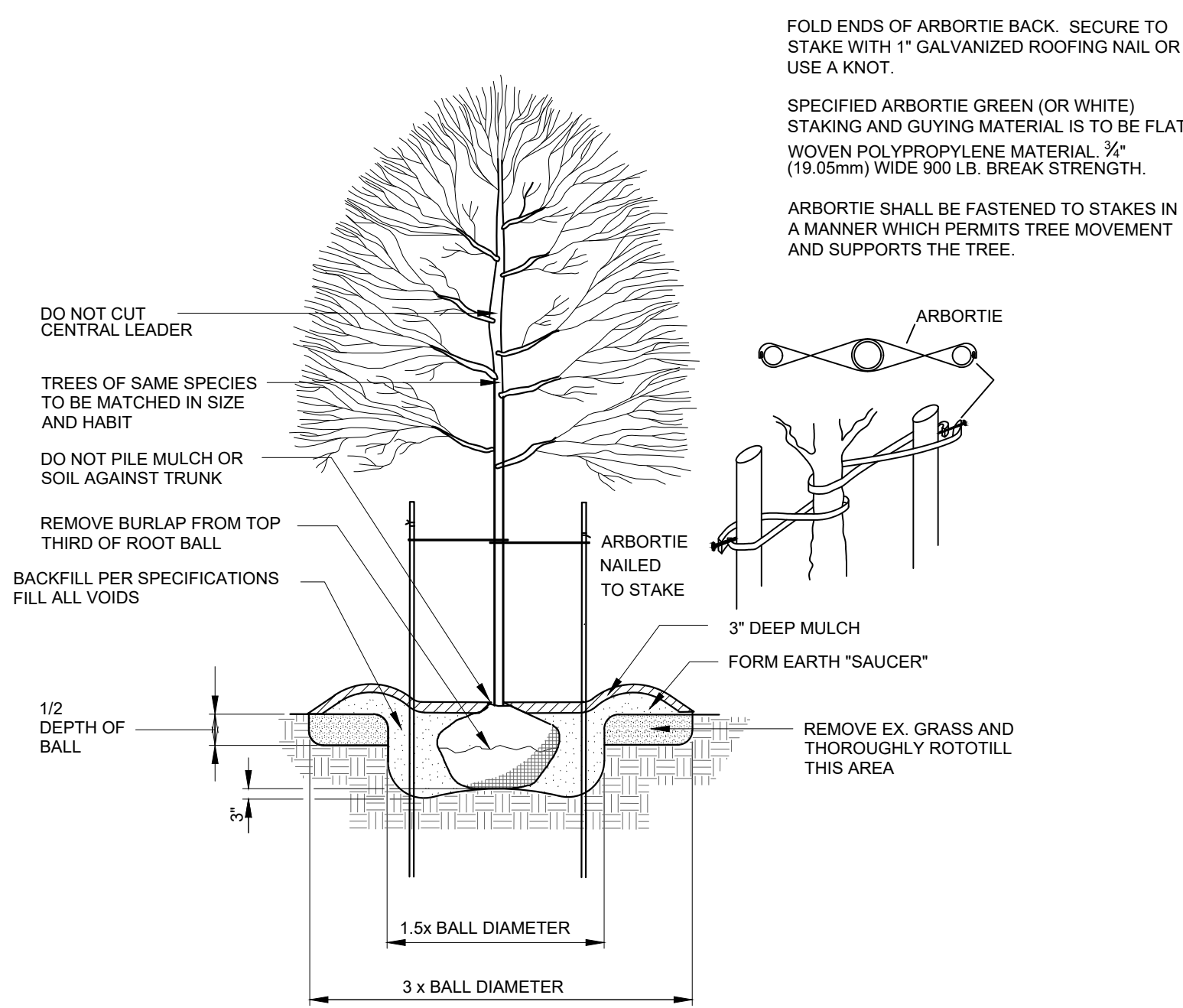
200 Clinton Avenue / Suite 800 / Huntsville, Alabama 35891
PHONE (256) 533-1681 / FAX (256) 533-1964



LANDSCAPE NOTES & SCHEDULE
CITY OF GUNTERSVILLE
GUNTERSVILLE PARK - PHASE 2
GUNTERSVILLE, ALABAMA

Revision information table with columns: REV, DR, CHK, DATE, DESCRIPTION, ISSUED FOR, BLD.

L7.41
37106-05



NOTES:

TREES LESS THAN 2\"/>

THE TRUNK OF ALL TREES IS REQUIRED TO BE PLUMB WITH THE GROUND PLANE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO STRAIGHTEN ANY TREE THAT DOES NOT HAVE A VERTICAL TRUNK. STAKING TREES DIFFERENTLY THAN THIS DETAIL WITHOUT OBTAINING APPROVAL PRIOR TO STAKING WILL RESULT IN ALL TREES BEING RESTAKED.

NOTES:

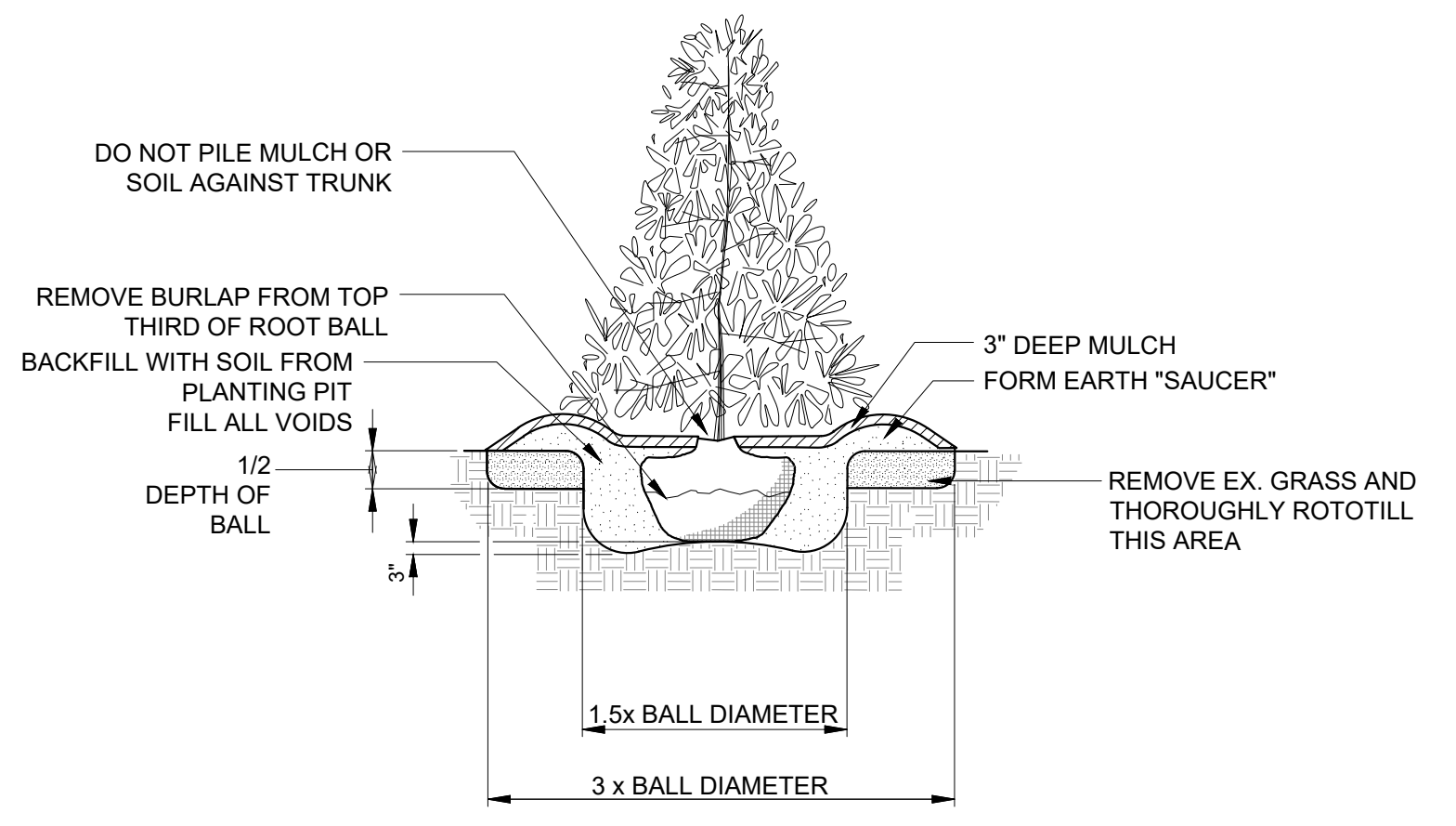
STAKE ONLY TREES OF 1 1/2\"/>

TOP OF ROOT BALL TO BE EQUAL OR SLIGHTLY HIGHER THAN EXISTING GRADE.

DO NOT PIERCE ROOT BALL WITH STAKES.

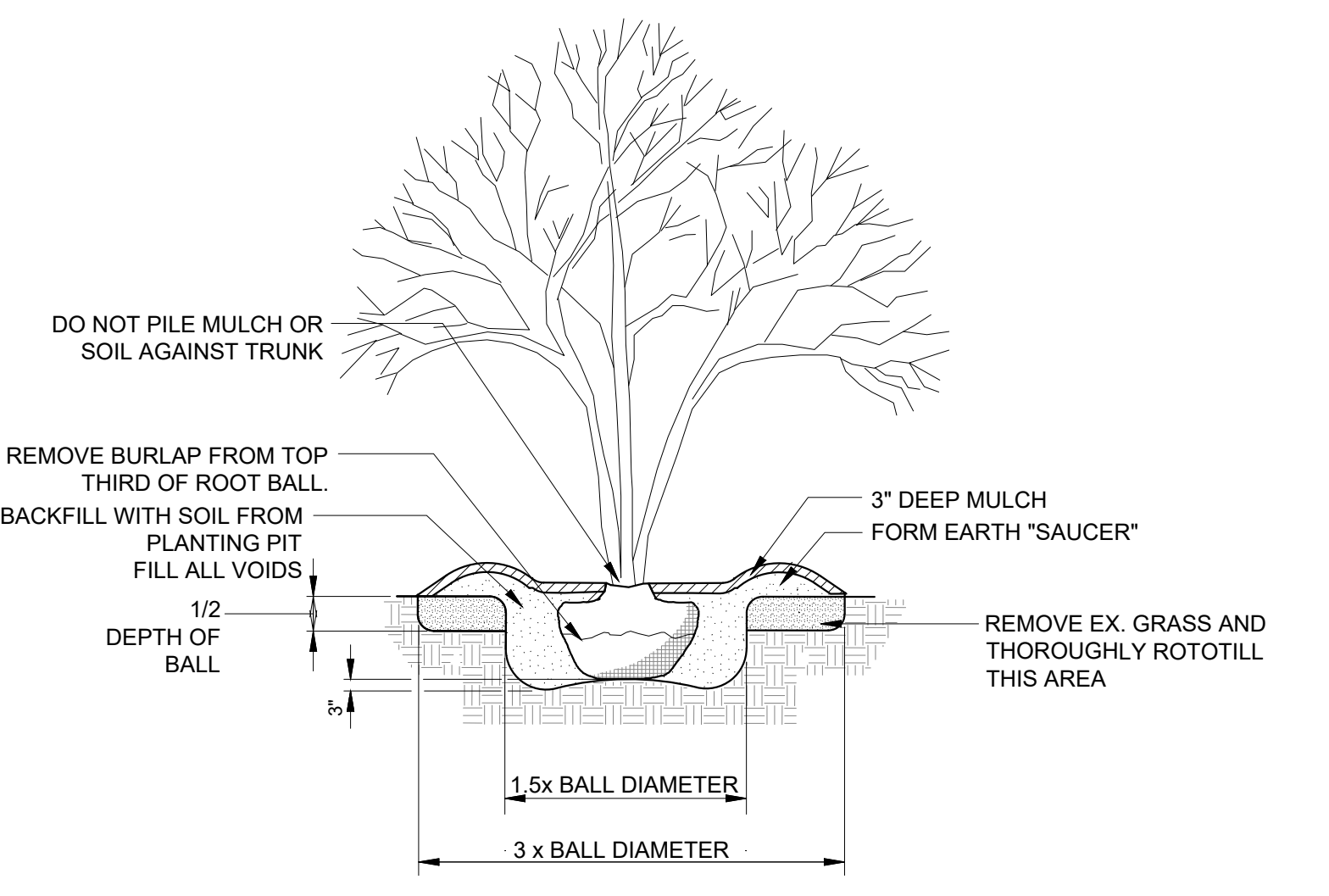
PRUNE TREE UNDER DIRECTION OF LANDSCAPE ARCHITECT.

PRIOR TO STAKING MULTI-STEM TREES, SUBMIT ALTERNATE TREE DETAIL TO LANDSCAPE ARCHITECT FOR APPROVAL.



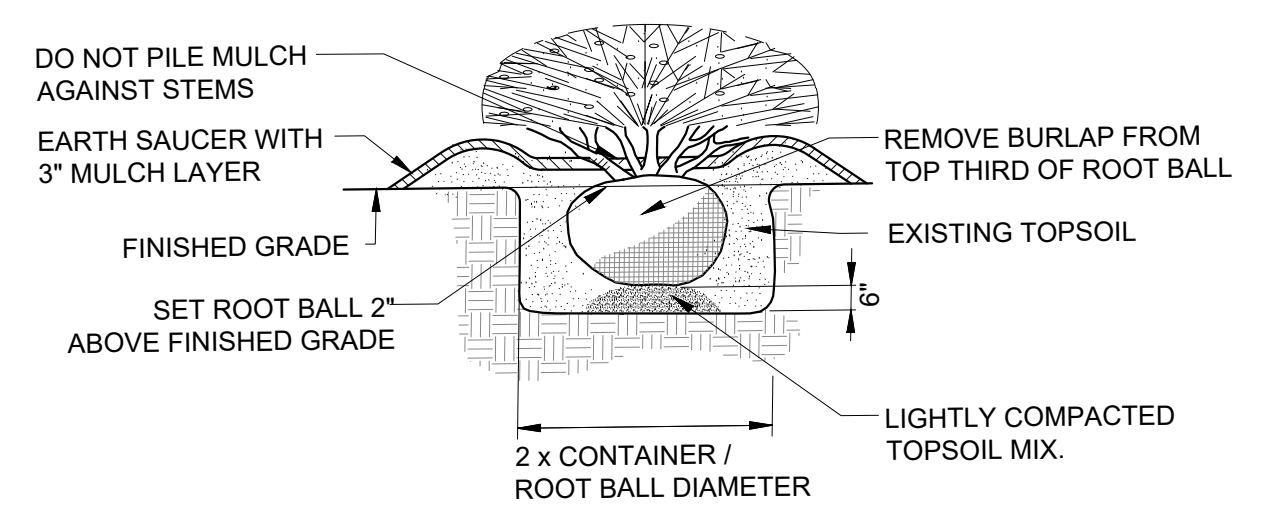
2 TYPICAL EVERGREEN TREE PLANTING DETAIL

L7.42 NOT TO SCALE



3 TYPICAL MULTI-STEMMED TREE PLANTING DETAIL

L7.42 NOT TO SCALE



4 TYPICAL SHRUB PLANTING DETAIL

L7.42 NOT TO SCALE

SPACING VARIES SEE PLANT LIST A

PLANT SPACING (D)	ROW SPACING (A)
6\"/>	5.50\"/>
8\"/>	7\"/>
10\"/>	9\"/>
12\"/>	10\"/>
15\"/>	13\"/>
18\"/>	16\"/>
24\"/>	21\"/>
30\"/>	26\"/>
36\"/>	30\"/>

SPACING VARIES SEE PLANT LIST A

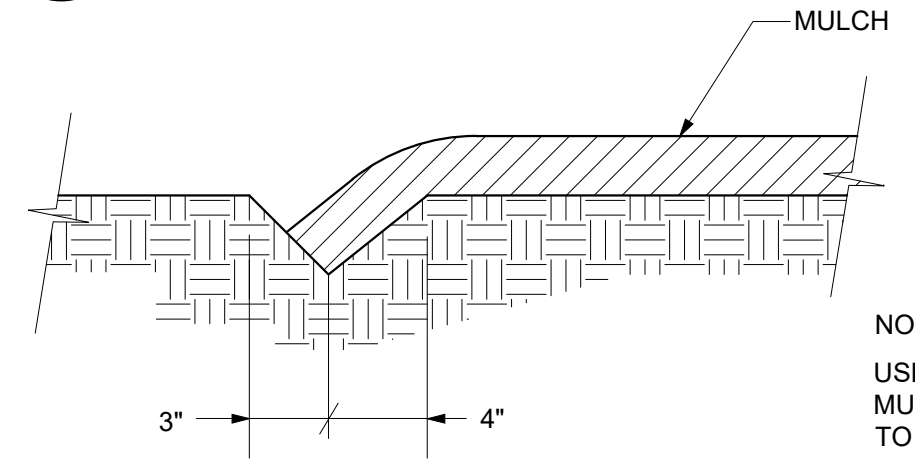
TRIANGLE / OFFSET SPACING

5 TYPICAL SHRUB SPACING DETAIL

L7.42 NOT TO SCALE

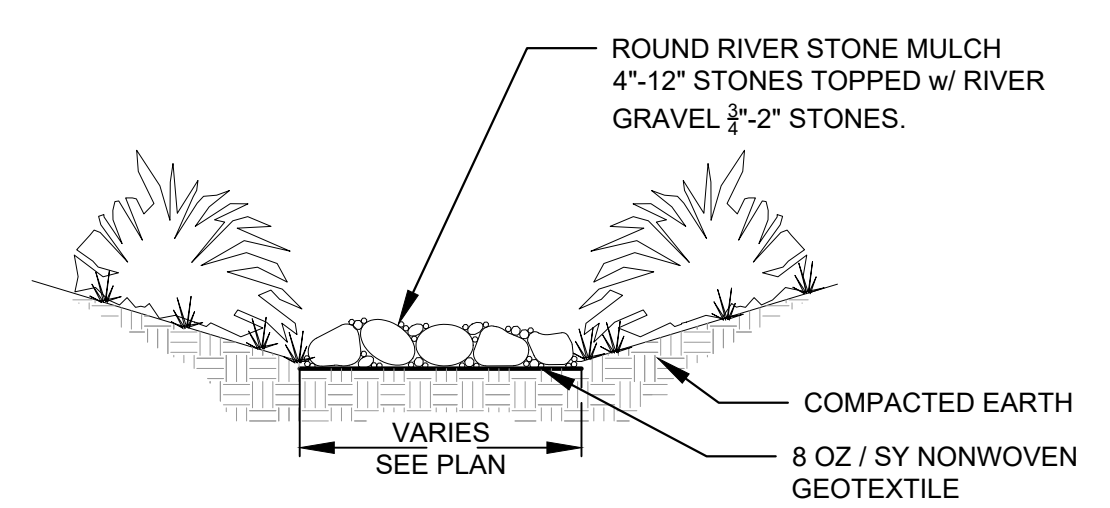
1 TYPICAL TREE PLANTING DETAIL

L7.42 NOT TO SCALE



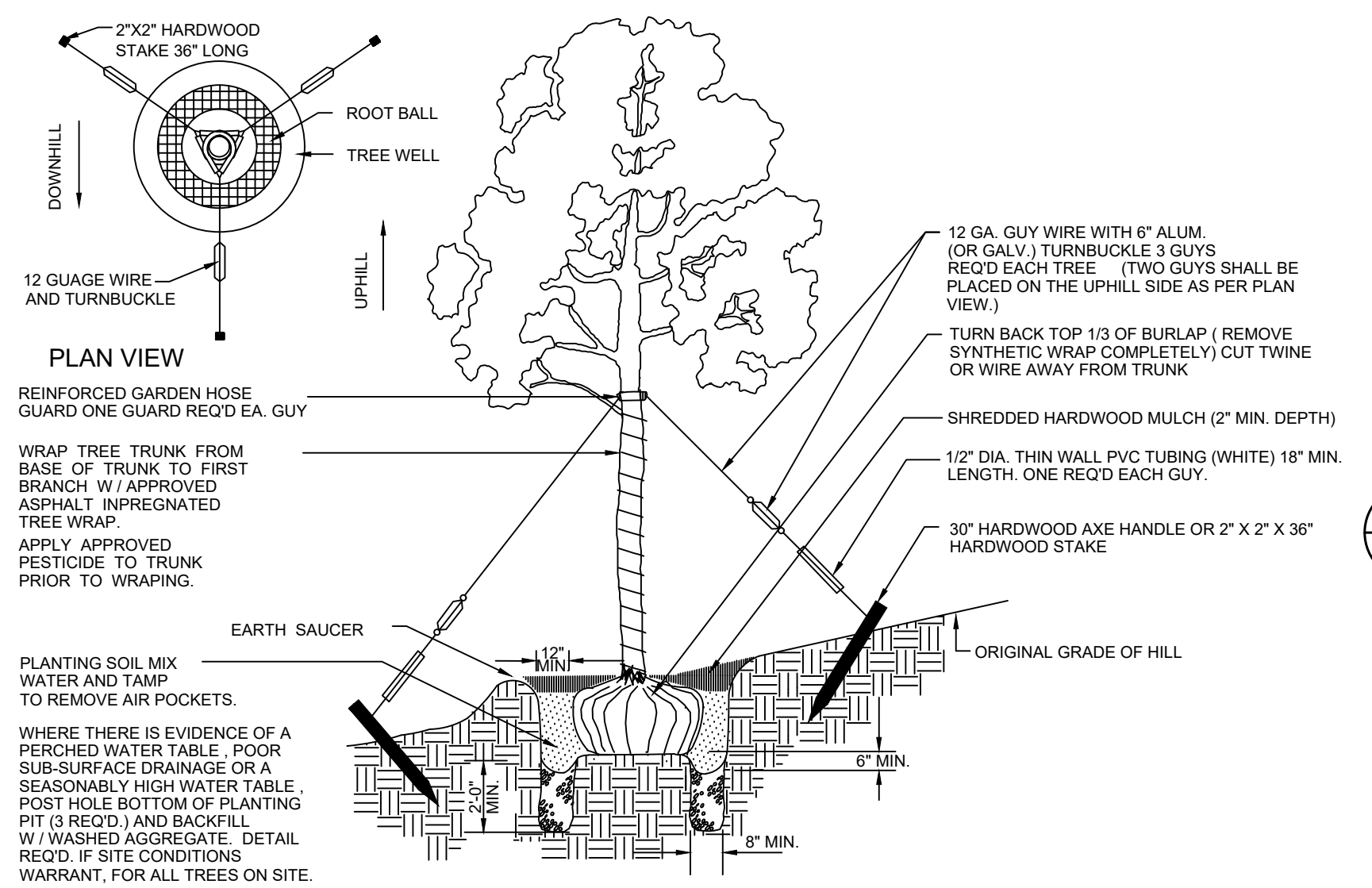
6 TYPICAL TRENCH EDGING DETAIL

L7.42 NOT TO SCALE



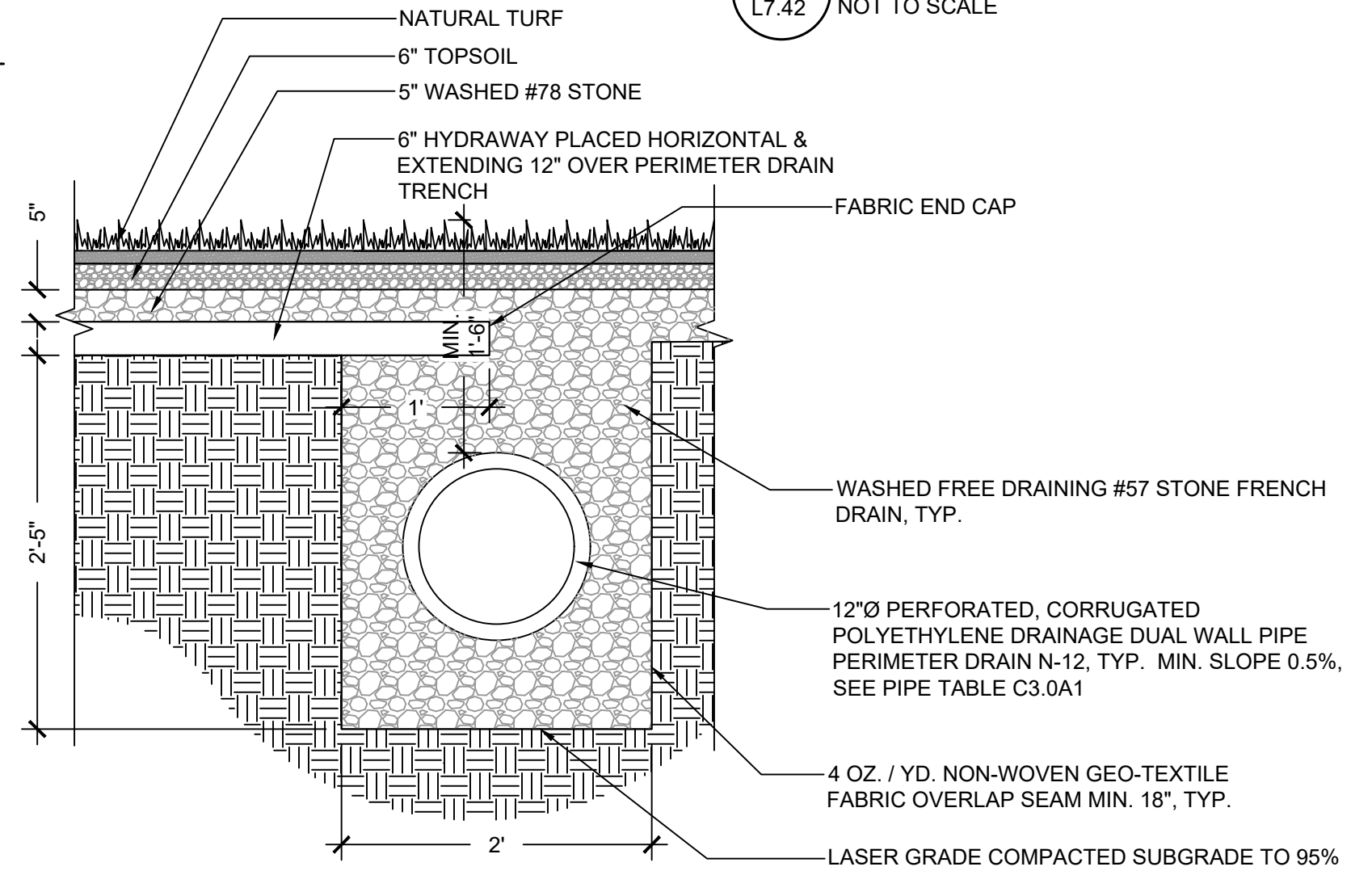
7 BIO-SWALE SECTION

L7.42 N.T.S.



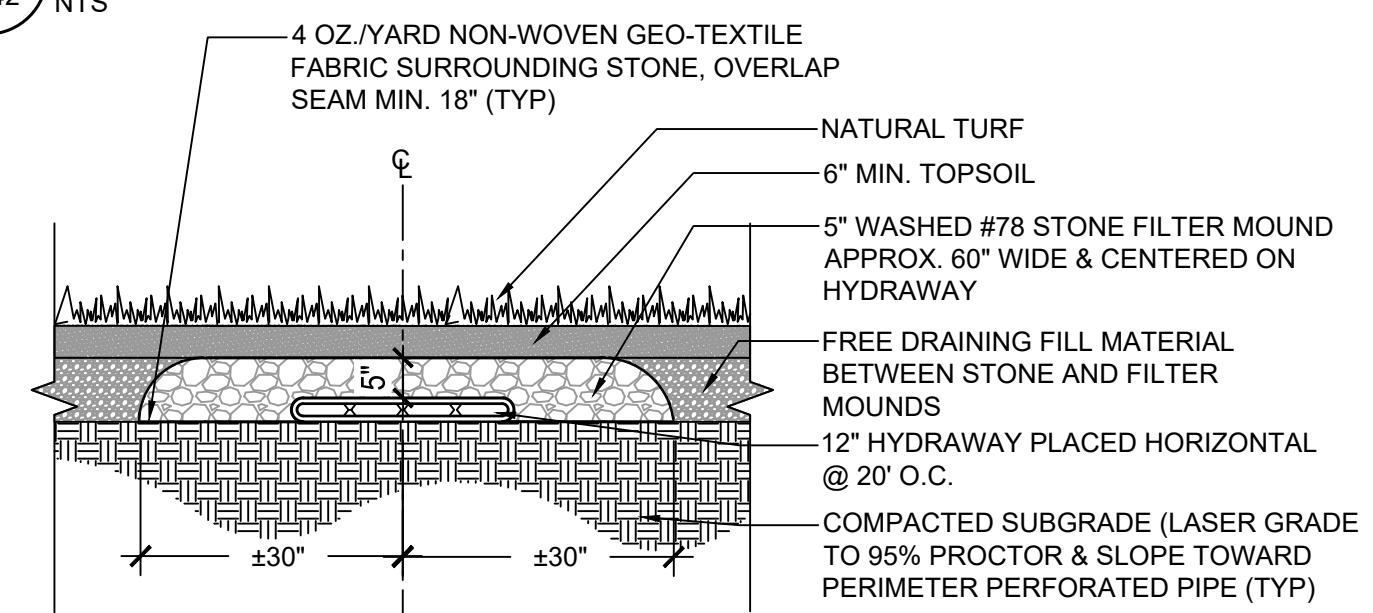
8 TYPICAL TREE ON SLOPE PLANTING DETAIL

L7.42 NOT TO SCALE



9 NATURAL TURF DRAINAGE COLLECTOR CONNECTION

L7.42 NTS



10 NATURAL TURF SUBSURFACE DRAINAGE SYSTEM

L7.42 NTS

- NOTES:
- SUBGRADE DRAINAGE SYSTEM SHOWN IS A MINIMUM REQUIREMENT. CONTRACTOR SHALL INSTALL SUBGRADE DRAINAGE SYSTEM AS RECOMMENDED BY THE MANUFACTURER OF THE HYDRAWAY (www.hydraway.net). SEE GRADING AND DRAINAGE PLANS.
  - ALL SUB-SURFACE DRAINAGE PIPE SHALL HAVE A #12 TRACER WIRE. MARKING TAPE TO BE NON-CONDUCTIVE.
  - SEE GRADING AND DRAINAGE PLANS FOR LOCATION AND LAYOUT OF SUBSURFACE DRAINAGE.



REV.	DR.	CHK.	DATE	DESCRIPTION
0	JRB	JRB	04/21/2023	ISSUED FOR BID





**GENERAL NOTES**

- ALL TRENCHING TO BE OUTSIDE OF TREE DRIP LINE
- MAINLINE TO HAVE MINIMUM OF 18" OF COVER AND A MINIMUM OF 18" OFF OF THE HARDSCAPE
- LATERALS TO HAVE MINIMUM OF 12" OF COVER AND A MINIMUM OF 12" OFF OF THE HARDSCAPE
- NO ROCKS, BOULDERS OR SHARP OBJECTS TO BE IN TRENCH BACKFILL
- ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS
- SPRINKLERS AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS
- TWO WIRE CONTROL WIRE TO BE 14 GA UL 2 CONDUCTOR, JACKETED AND APPROVED BY 2-WIRE CONTROLLER MANUFACTURER
- WIRE SPLICES TO BE DONE AS PER DETAILS
- ALL WIRE SPLICES OUTSIDE OF CONTROL VALVE BOX TO BE IN 10" VALVE BOX
- TWO WIRE CONDUCTORS TO BE COLOR CODED
- CONTRACTOR SHALL INSTALL MANUFACTURES GROUNDING EQUIPMENT ON BOTH THE POWER AND OUTPUT SIDES OF CONTROLLER, ALL GROUNDING POINTS TO BE INSTALLED AS PER PLANS AND DETAILS
- AT EACH VALVE AND CHANGE IN MAINLINE DIRECTION CONTRACTOR TO INSTALL A 30" LOOP OF EXTRA WIRE
- SPRINKLERS ARE TO BE ADJUSTED TO AVOID OVER-SPRAY INTO NON-IRRIGATED AREAS
- ELECTRIC CONTROL VALVES ARE TO BE INSTALLED IN VALVE BOXES AS FOLLOWS
  - 14" RECTANGULAR MINIMUM FOR EACH ELECTRIC CONTROL VALVE
- SPRINKLERS TO BE INSTALLED 12" FROM FOUNDATIONS AND 2" FROM HARDSCAPE
- CONTRACTOR TO ADD RISER EXTENSIONS TO SPRINKLERS IF REQUIRED TO MAINTAIN PROPER COVERAGE
- ALL PIPING TO BE FLUSHED PRIOR TO INSTALLATION OF SPRINKLERS
- ALL VALVES, QUICK COUPLER VALVES, WIRE SPLICES TO BE IN LANDSCAPED BEDS WHEREVER POSSIBLE
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING PROPER COVERAGE OF AREA TO BE IRRIGATED, MAKE ADJUSTMENTS AS NECESSARY
- CONTRACTOR SHALL EXERCISE CARE NOT TO DAMAGE EXISTING UTILITIES REPAIRING ANY DAMAGES AT HIS OWN COST
- PLAN IS DIAGRAMMATIC TO IMPROVE CLARITY ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN PROPERTY LINES AND LANDSCAPED AREAS
- ANY DISCREPANCIES BETWEEN THE PLAN AND THE SITE TO BE REFERRED TO THE OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION
- CONTRACTOR TO PROVIDE 1 YEAR WARRANTY OF ALL PRODUCTS AND WORKMANSHIP TO INCLUDE WINTERIZATION AND SPRING START-UP
- CONTRACTOR TO PROVIDE OWNER AND OR LANDSCAPE ARCHITECT RECORD DRAWING PRIOR TO SUBSTANTIAL COMPLETION.
- INSTALLATION OF IRRIGATION SLEEVES IS THE IRRIGATION CONTRACTORS RESPONSIBILITY IRRIGATION CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR SLEEVE INSTALLATION PRIOR TO PAVEMENT INSTALLATION
- CLEANUP AND DISPOSE OF ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS LEAVE AREA NEAT, CLEAN AND READY FOR OWNERS USE PROVIDE CLEAN PAVEMENT SURFACES INCLUDING AREAS OF PUBLIC R.O.W.

**TWO WIRE CONTROL SYSTEM NOTES**

- ALL DECODER WIRE SPLICE CONNECTORS TO BE 3M DBY-6 OR BETTER.
- ALL DECODER TO VALVE SOLENOID SPLICE CONNECTORS TO BE 3M DBY-6 OR BETTER
- ALL GROUNDING POINTS TO HAVE BL-LA01 LIGHTNING ARRESTOR INSTALLED INLINE AS PER MANUFACTURERS REQUIREMENTS AND INSTALLED AS PER DETAIL.
- RAIN SENSOR TO BE WIRED TO DECODER WIRE WITH BL-5402 PAUSE BICODER.
- ALL BASELINE PRODUCTS TO BE INSTALLED AND OPERATED AS PER THE MANUFACTURERS RECOMMENDATIONS AND OR REQUIREMENTS.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BASELINE INSTALLATION TRAINING PRIOR TO PROJECT START, NOTIFY IRRIGATION CONSULTANT WHEN TRAINING HAS BEEN COMPLETED.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL REQUIREMENTS NECESSARY TO OBTAIN BASELINE EXTENDED 5 YEAR WARRANTY. PROVIDE 5 YEAR WARRANTY PRIOR TO SUBSTANTIAL COMPLETION
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR TRAINING OWNERS STAFF, AS NEEDED, ON THE OPERATION AND MAINTENANCE OF BASELINE CONTROL SYSTEM.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COMPLETE PROGRAMMING AND OPERATION OF BASELINE CONTROL SYSTEM FOR 6 MONTHS FROM THE DAY THE CONTROLLER BECOMES FUNCTIONAL. CONTRACTOR TO PROVIDE THE OWNERS REPRESENTATIVE A COMPUTER SPREAD SHEET THAT SHOWS EACH PROGRAM, OPERATIONAL DAYS AND RUN TIMES PER ZONE.
- EACH CONTROLLER PROGRAM TO BE ASSOCIATED TO THE SPECIFIC MOISTURE SENSOR FOR THAT AREA. ONCE PLANT MATERIAL HAS GROWN IN OPERATE SYSTEM BASED ON MOISTURE SENSOR OPERATION.
- CONTROLLER AND FLOW SENSOR ARE TO BE PROGRAMMED FOR FLOW MAXIMIZATION.

**IRRIGATION SYSTEM MANAGEMENT NOTES**

- MAXIMUM VELOCITY IN THE PIPING SYSTEM NOT TO EXCEED 5 FEET PER SECOND.
- IRRIGATION CONTRACTOR TO PROGRAM CONTROLLER FOR PLANT MATERIAL GROW IN AS PER LANDSCAPE REQUIREMENTS. ADJUSTMENTS TO BE MADE TO IRRIGATION SCHEDULE EVERY TWO WEEKS UNTIL SET FOR MOISTURE SENSOR MANAGEMENT.
- AFTER GROW IN OPERATE THE IRRIGATION SYSTEM VIA LOWER MOISTURE THRESHOLD PARAMETERS. ADJUST LOWER MOISTURE THRESHOLD TO ENSURE PLANT MATERIAL REMAIN HEALTHY WHILE USING AS LITTLE WATER AS POSSIBLE.
- CONTRACTOR TO MAKE A MINIMUM OF 3 VISITS TO THE SITE AFTER CONTROL SYSTEM IS SET TO MOISTURE SENSOR MANAGEMENT TO REVIEW SOIL MOISTURE LEVELS THROUGHOUT THE SITE AND ADJUST THE CONTROL SYSTEM ACCORDINGLY TO MAINTAIN THE LANDSCAPE WHILE REDUCING WATER USE. CONTRACTOR TO SUBMIT IN WRITING THE OUTCOME OF EACH VISIT TO THE OWNER OR OWNERS REPRESENTATIVE, LANDSCAPE ARCHITECT AND OR IRRIGATION CONSULTANT.

**CRITICAL ANALYSIS**

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P.O.C. NUMBER: 02  
Water Source Information: Phase 1 Pump Station

FLOW AVAILABLE  
Point of Connection Size: 3"  
Flow Available: 181.61 GPM

PRESSURE AVAILABLE  
Static Pressure at POC: 80 PSI  
Pressure Available: 80 PSI

DESIGN ANALYSIS  
Maximum Multi-valve Flow: 85 GPM  
Flow Available at POC: 181.61 GPM  
Residual Flow Available: 96.61 GPM

Critical Station: C66  
Design Pressure: 50 PSI  
Friction Loss: 2.56 PSI  
Fittings Loss: 0.26 PSI  
Elevation Loss: 0 PSI  
Loss through Valve: 3.74 PSI  
Pressure Req. at Critical Station: 56.6 PSI  
Loss for Fittings: 1.54 PSI  
Loss for Main Line: 15.4 PSI  
Loss for POC to Valve Elevation: 0 PSI  
Loss for Backflow: 0 PSI  
Critical Station Pressure at POC: 73.5 PSI  
Pressure Available: 80 PSI  
Residual Pressure Available: 6.54 PSI

**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
8, 9, 10, 11	Rain Bird 1806-SAM-PRS HE-VAN Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.
EST, LCS, RCS, CST, SST	Rain Bird 1812-SAM-PRS 15 Strip Series Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.
12, 13, 14, 15, 16	Rain Bird 1812-SAM-PRS 12 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.
4, 5, 6, 7	Rain Bird 1812-SAM-PRS ADJ Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.
8, 9, 10, 11, 12, 13, 14, 15	Rain Bird 1812-SAM-PRS HE-VAN Series Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.
16	Rain Bird 1806-SAM-P45 with Hunter MP Corner Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. T=Turquoise adj arc 45-105.
LST, RST, SST	Rain Bird 1806-SAM-P45 with Hunter MP Strip Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. LST=Ivory left strip, SST=Brown side strip, RST=Copper right strip.
M, L, O	Rain Bird 1806-SAM-P45 with Hunter MP1000 Turf Rotator, 6" pop-up with check valve, pressure regulated to 45 psi, MP Rotator nozzle. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.
G, B, R	Rain Bird 1806-SAM-P45 with Hunter MP2000 Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. G=Black adj arc 90-210, B=Green adj arc 210-270, R=Red 360 arc.
B, Y, A	Rain Bird 1806-SAM-P45 with Hunter MP3000 Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.
13	Rain Bird 1806-SAM-P45 with Hunter MP3500 Turf Rotator, 6.0" Pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. LB=light brown adjustable arc, 90-210.
7	Rain Bird 1812-SAM-P45 with Hunter MP Corner Shrub Rotator, 12" pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. T=Turquoise adj arc 45-105.
LST, RST, SST	Rain Bird 1812-SAM-P45 with Hunter MP Strip Shrub Rotator, 12" pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. LST=Ivory left strip, SST=Brown side strip, RST=Copper right strip.
M, L, O	Rain Bird 1812-SAM-P45 with Hunter MP1000 Shrub Rotator, 12" pop-up with check valve, pressure regulated to 45 psi, MP Rotator nozzle. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.
G, B, R	Rain Bird 1812-SAM-P45 with Hunter MP2000 Shrub Rotator, 12" pop-up with check valve, pressure regulated to 45 psi, MP Rotator nozzle. G=Green adj arc 210-270, B=Blue adj arc 90-210, R=Red 360 arc.
B, Y, A	Rain Bird 1812-SAM-P45 with Hunter MP3000 Shrub Rotator, 12" pop-up with check valve, pressure regulated to 45 psi, MP rotary nozzle. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
20	Rain Bird 5004-PL-PC, FC-R 2.0 Turf Rotor, 4.0" Pop-Up with Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
40	Rain Bird 5004-PL-PC, FC-R 4.0 Turf Rotor, 4.0" Pop-Up with Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
80	Rain Bird 5004-PL-PC, FC-R 8.0 Turf Rotor, 4.0" Pop-Up with Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, In-Stem Pressure Regulator, and Flow Shut-Off Device.
10	Rain Bird 8005-SS 10 Turf Rotor, 5.0" Pop-Up, Stainless Steel Riser, Standard Nozzle. With Seal-A-Matic Check Valve, Adjustable 50-330 arc, and 360 Non-Reversing Full-Circle. 1" (26/34) NPT Female Threaded Inlet. Extended Radius is Ideal for Large Turf Applications.
14	Rain Bird 8005-SS 14 Turf Rotor, 5.0" Pop-Up, Stainless Steel Riser, Standard Nozzle. With Seal-A-Matic Check Valve, Adjustable 50-330 arc, and 360 Non-Reversing Full-Circle. 1" (26/34) NPT Female Threaded Inlet. Extended Radius is Ideal for Large Turf Applications.

**REFERENCE NOTES SCHEDULE**

SYMBOL	DESCRIPTION
5	Install all 2-wire grounding points as per plan detail and manufacturers instructions.
6	Moisture Sensor for the fields program.
7	Moisture Sensor for all general turf outside of the fields program.
8	Moisture Sensor for all shrub bed zones program.
13	Pipe location is diagrammatic. Install all pipe and control wire as per plan details and notes.

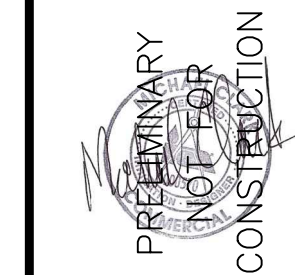
**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
17	Rain Bird PESB 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.
18	Hunter HO-44LRC-AW Quick coupler valve, yellow rubber locking cover, red brass and stainless steel, with 1" NPT inlet, 2-piece body. Acme Key with Anti-Rotation Wings.
19	Matco-Norca 10RT 2" to 8" cast iron gate isolation valve. Ring-Tite Gasket Ends. Resilient wedge with epoxy coating and optional nut. For IPS pipe. Same size as mainline pipe.
20	2-Wire Grounding Point Install as per plan detail and control system manufacturers instructions.
21	Baseline BL-5201 Single station direct burial biCoder
22	Baseline BL-5202 Two station direct burial biCoder
23	Baseline BL-5204 Four station direct burial biCoder
24	Baseline BL-5315 biSensor Soil Moisture Sensor
25	Point of Connection 3" Phase 1 Pump Station
26	Irrigation Lateral Line: PVC Class 200 SDR 21
27	Irrigation Mainline: PVC Class 200 SDR 21
28	Pipe Sleeve: PVC Schedule 40

**Valve Callout**

**VALVE SCHEDULE**

NUMBER	MODEL	SIZE	TYPE	GPM	PRECIP
C43	Rain Bird PESB	1-1/2"	Turf Rotor	50.21	0.47 in/h
C44	Rain Bird PESB	1-1/2"	Turf Rotary	27.29	0.46 in/h
C45	Rain Bird PESB	1-1/2"	Shrub Spray	41.35	1.68 in/h
C46	Rain Bird PESB	1-1/2"	Shrub Spray	24.4	1.45 in/h
C47	Rain Bird PESB	1"	Shrub Spray	10.87	1.3 in/h
C48	Rain Bird PESB	1"	Shrub Spray	23.06	1.6 in/h
C49	Rain Bird PESB	1-1/2"	Turf Rotor	27.9	0.57 in/h
C50	Rain Bird PESB	1-1/2"	Turf Rotor	37.2	0.35 in/h
C51	Rain Bird PESB	1-1/2"	Turf Rotor	25.2	1.82 in/h
C52	Rain Bird PESB	1-1/2"	Turf Rotor	40.5	0.77 in/h
C53	Rain Bird PESB	1-1/2"	Turf Rotor	31.2	0.71 in/h
C54	Rain Bird PESB	1-1/2"	Turf Rotor	25.2	1.57 in/h
C55	Rain Bird PESB	1-1/2"	Turf Rotary	42.92	0.42 in/h
C56	Rain Bird PESB	1-1/2"	Turf Rotor	25.2	1.63 in/h
C57	Rain Bird PESB	1-1/2"	Turf Rotor	40.5	0.71 in/h
C58	Rain Bird PESB	1"	Shrub Spray	18.56	1.34 in/h
C59	Rain Bird PESB	1-1/2"	Turf Rotary	37.69	0.39 in/h
C60	Rain Bird PESB	1-1/2"	Turf Rotor	27.9	0.61 in/h
C61	Rain Bird PESB	1-1/2"	Turf Rotor	37.2	0.35 in/h
C62	Rain Bird PESB	1"	Shrub Rotary	16.33	0.61 in/h
C63	Rain Bird PESB	1-1/2"	Turf Rotor	35.2	0.43 in/h
C64	Rain Bird PESB	1"	Turf Spray	11.86	1.27 in/h
C65	Rain Bird PESB	1-1/2"	Turf Rotary	34.87	0.42 in/h
C66	Rain Bird PESB	1-1/2"	Turf Rotary	31.2	0.73 in/h
C67	Rain Bird PESB	1-1/2"	Turf Rotor	25.2	1.54 in/h
C68	Rain Bird PESB	1-1/2"	Turf Spray	25.63	1.42 in/h
C69	Rain Bird PESB	1"	Turf Rotary	17.83	0.31 in/h
C70	Rain Bird PESB	1-1/2"	Shrub Spray	28.73	1.4 in/h
C71	Rain Bird PESB	1"	Shrub Rotary	9.4	0.59 in/h



IRRIGATION PLAN

CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
GUNTSVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION	REVISION INFORMATION	
					DATE	DESCRIPTION
A			03/17/2023	90% OWNER REVIEW		

IR1.01

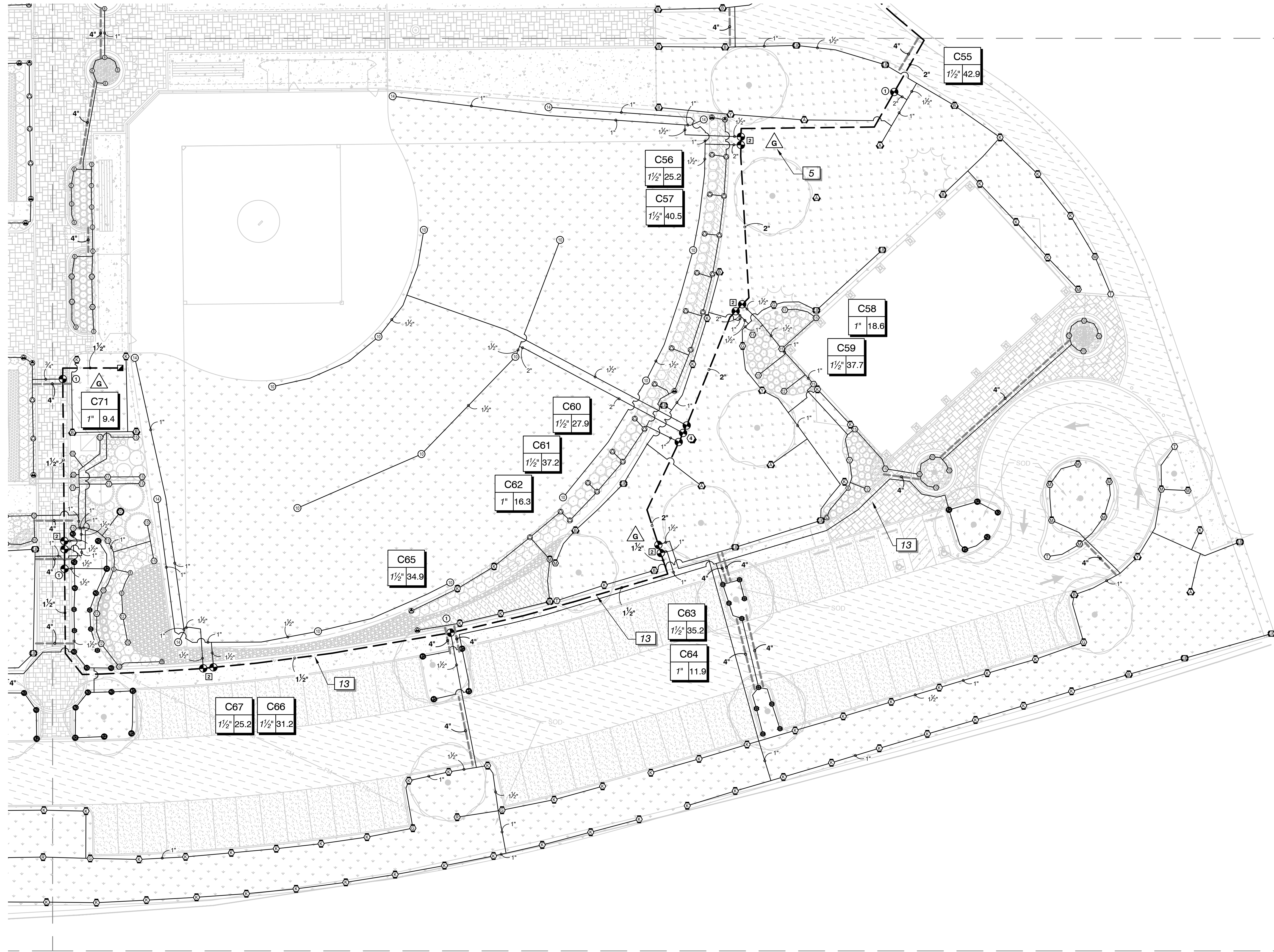
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SAVED:3/13/2023  
PLOTTED:3/13/2023

**BARGE DESIGN SOLUTIONS**  
200 Canton Avenue / Suite 800 / Huntsville, Alabama 35801  
PHONE: (256) 533-1811 / FAX: (256) 533-1914

DATE 3/17/2023

USER: MICHAEL CLARK  
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 SAVER: 3/13/2023  
 PLOTTED: 3/13/2023



IRRIGATION PLAN

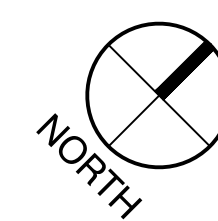
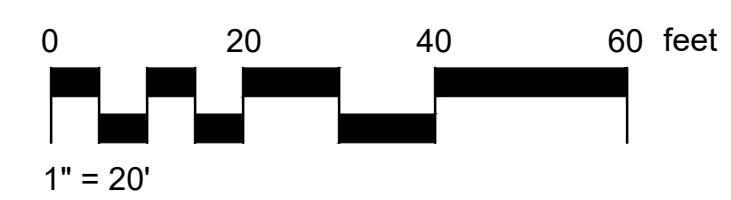
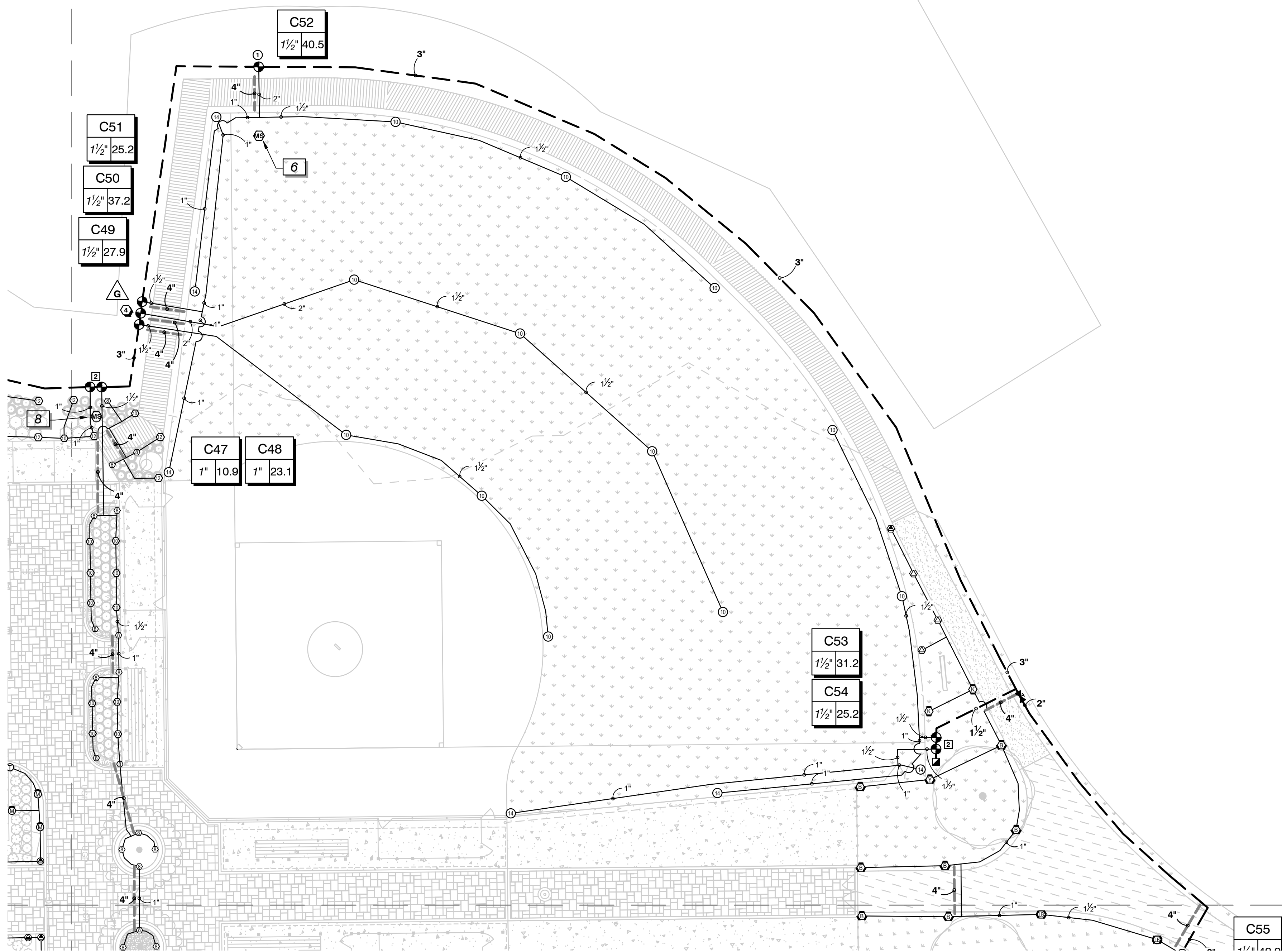
CITY OF GUNTSVILLE  
 GUNTSVILLE PARK - PHASE 2  
 GUNTSVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION
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IR1.02

FILE NO. 3710605

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PRELIMINARY  
 NOT FOR  
 CONSTRUCTION  
 DATE 3/17/2023

IRRIGATION PLAN

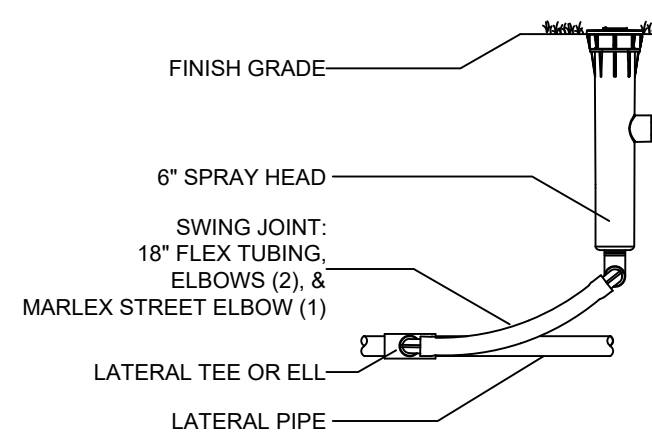
CITY OF GUNTSVILLE  
 GUNTSVILLE PARK - PHASE 2  
 GUNTSVILLE, ALABAMA

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A	HC	SC	03/17/2023	90% OWNER REVIEW

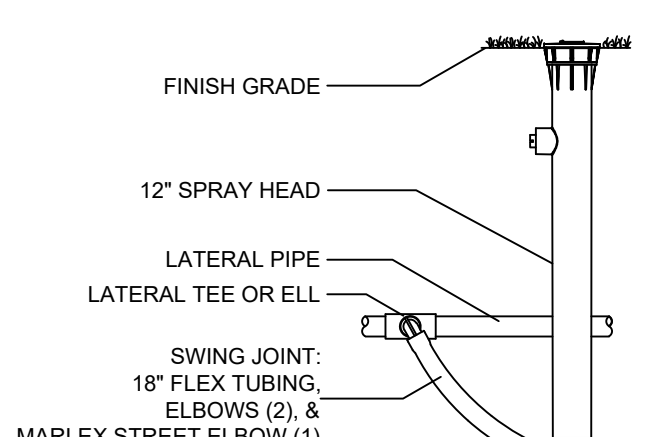
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**BARGE**  
 DESIGN SOLUTIONS

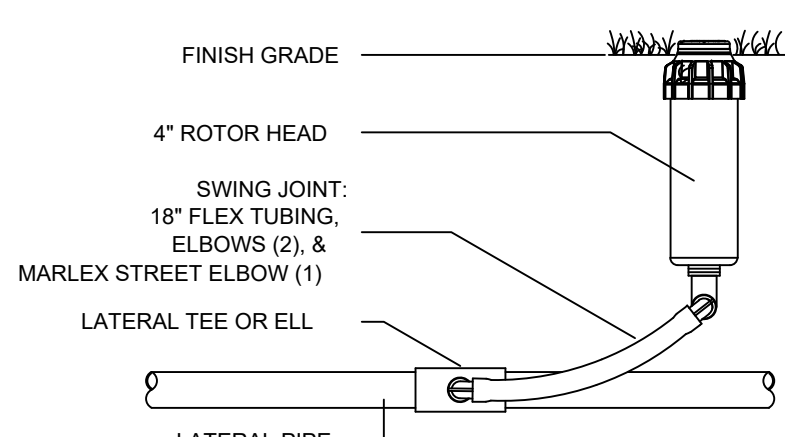
200 Canton Avenue / Suite 802 / Huntsville, Alabama 35801  
 PHONE: (256) 533-1811 / FAX: (256) 532-1584



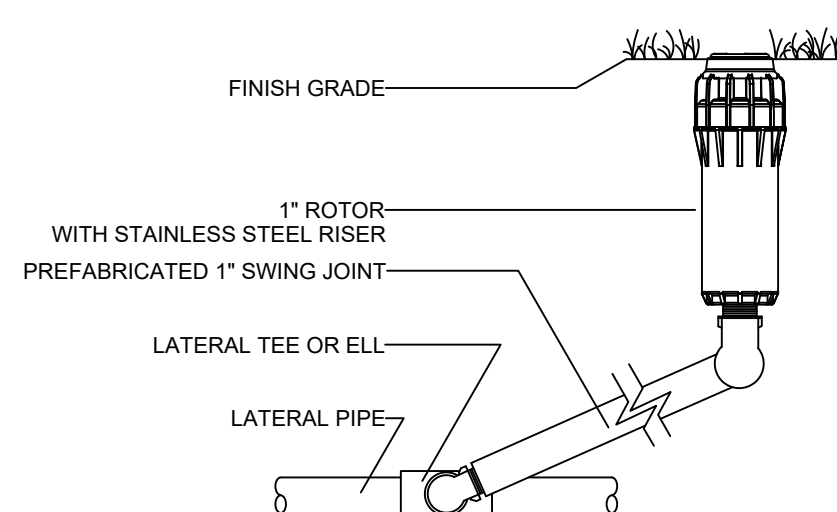
**1** 6" SPRAY BODY  
NTS



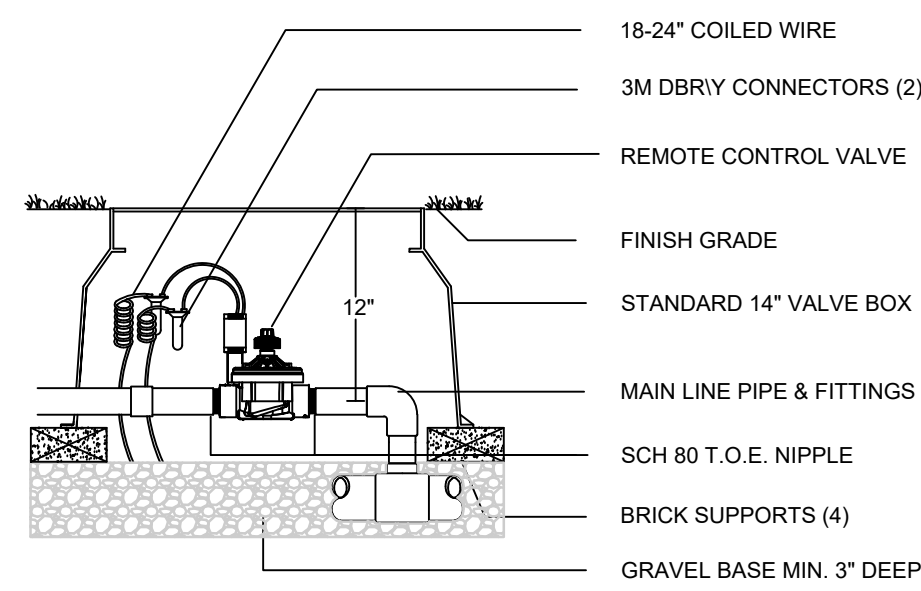
**2** 12" SPRAY BODY  
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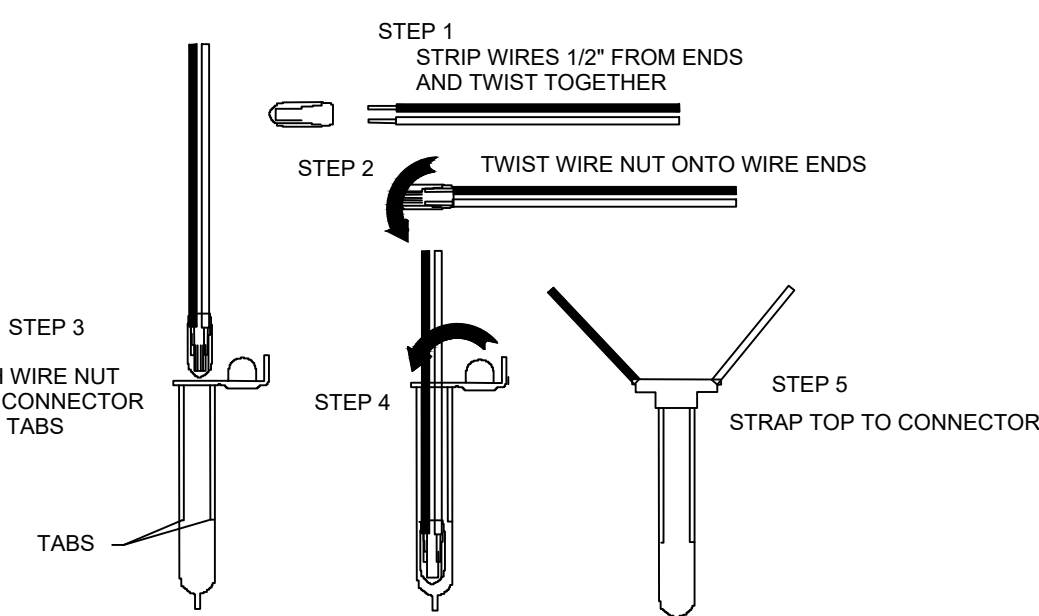
**3** 3/4" INLET ROTOR  
NTS



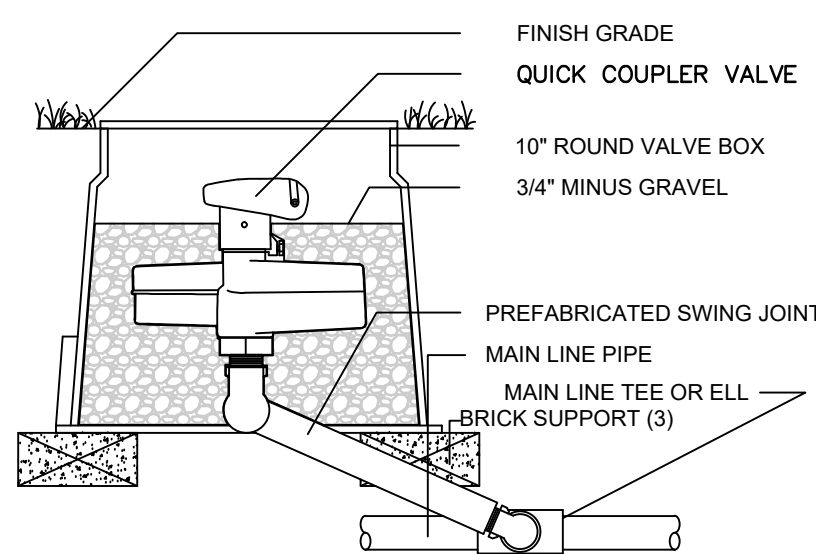
**4** 1" INLET ROTOR  
NTS



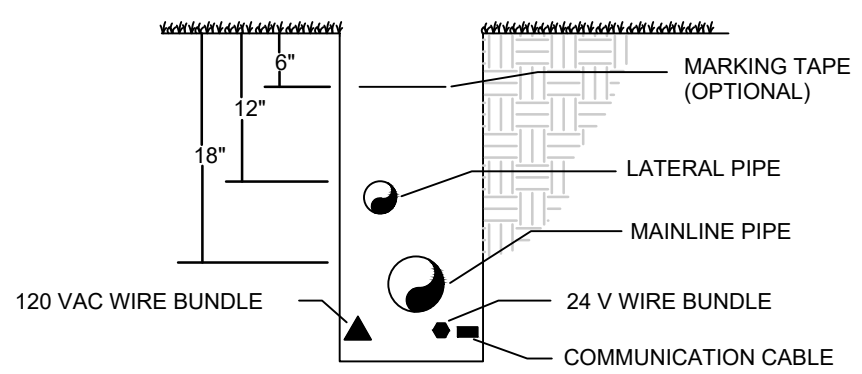
**5** ELECTRIC CONTROL VALVE  
NTS



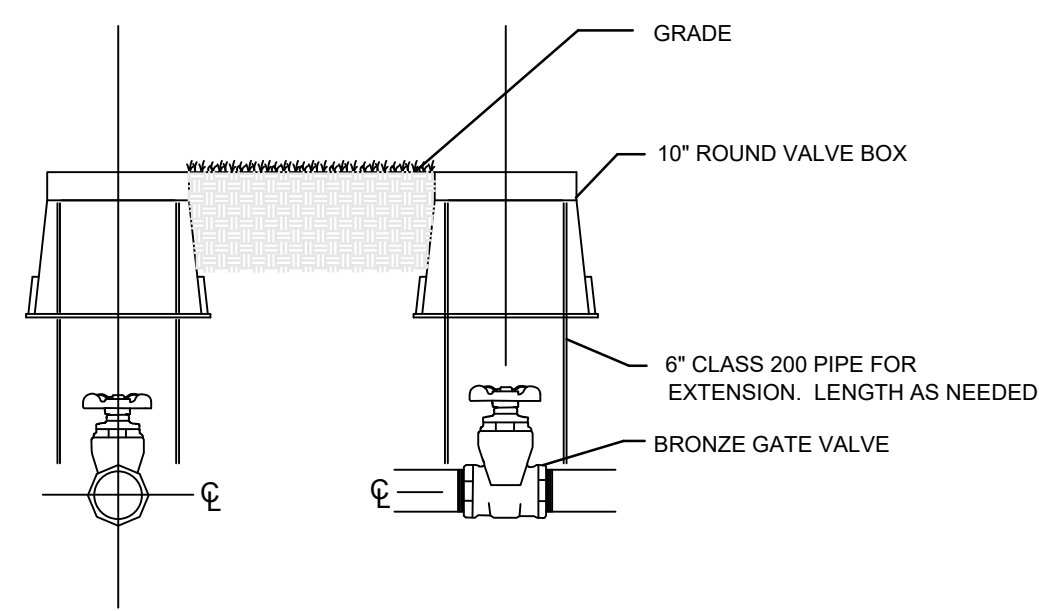
**6** WIRE CONNECTION 3M-DBRG-Y  
NTS



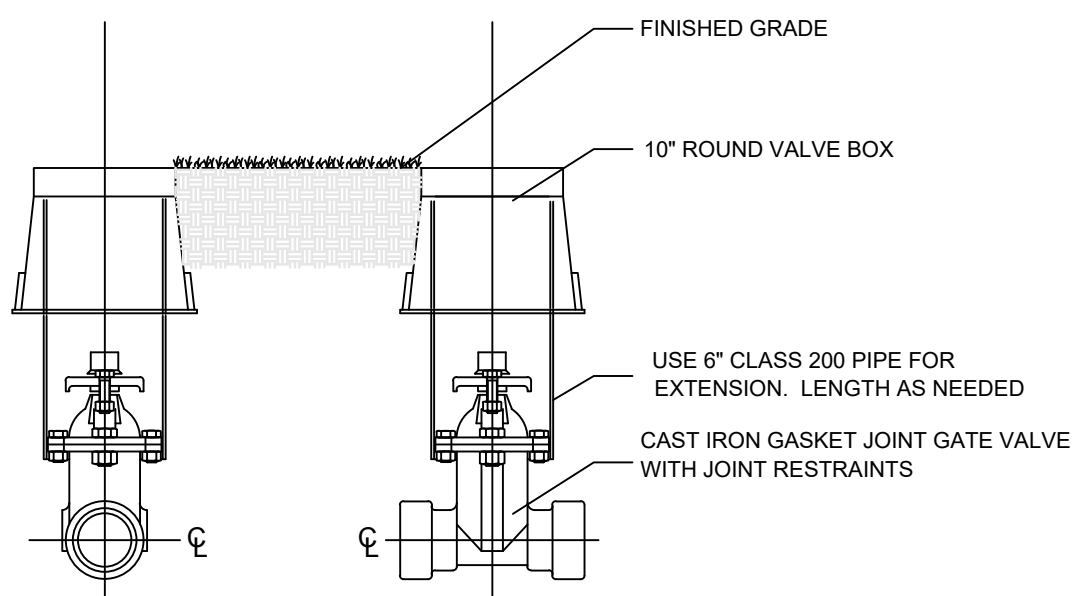
**7** QUICK COUPLER VALVE  
NTS



**8** TRENCH, PIPE AND WIRE  
NTS

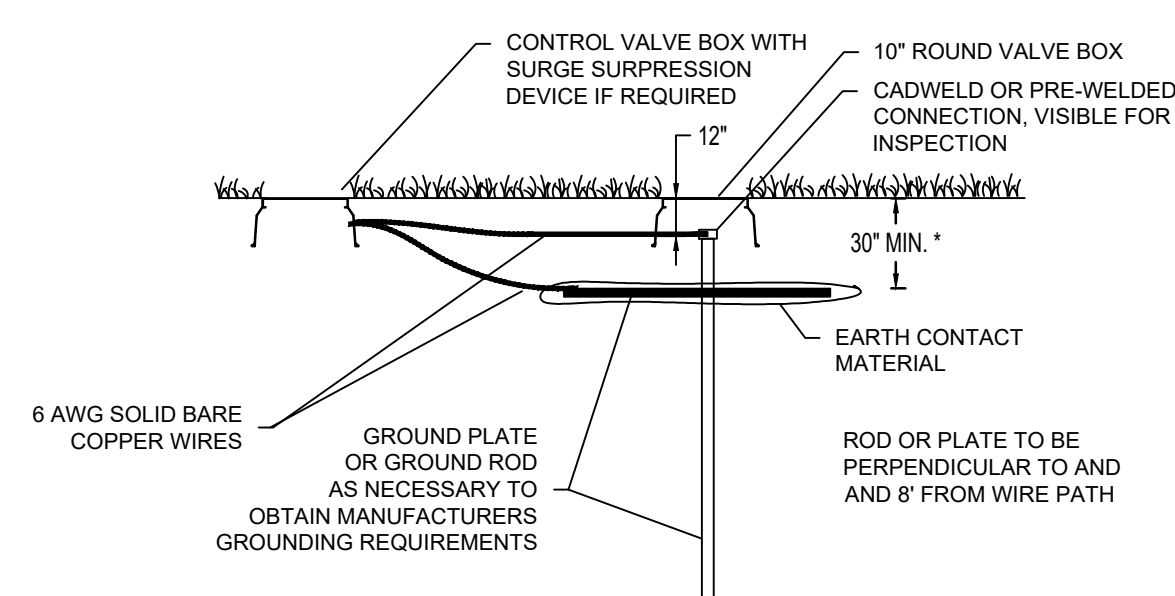


**9** ISOLATION VALVE DETAIL  
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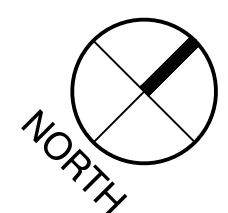
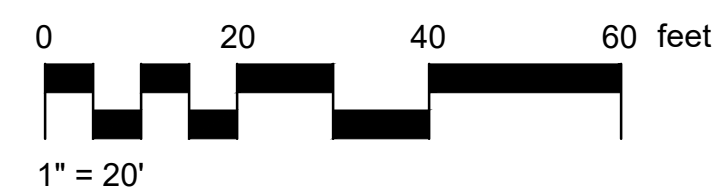
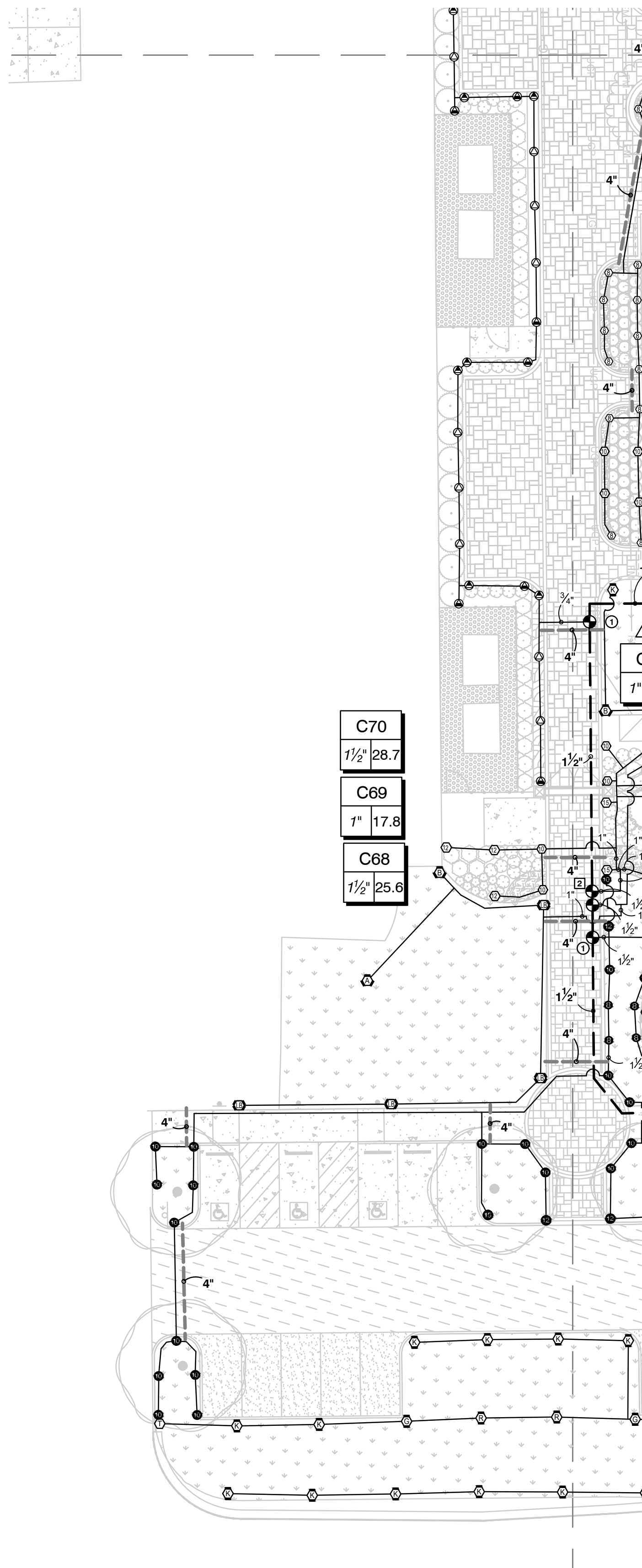


**10** ISOLATION VALVE DETAIL 2 1/2" AND LARGER  
NTS

**SIDE VIEW**



**11** TWO WIRE GROUNDING POINT DETAIL  
NTS



200 Canton Avenue / Suite 802 / Huntsville, Alabama 35801  
PHONE (256) 533-1061 / FAX (256) 532-1064



DATE 3/17/2023

IRRIGATION PLAN

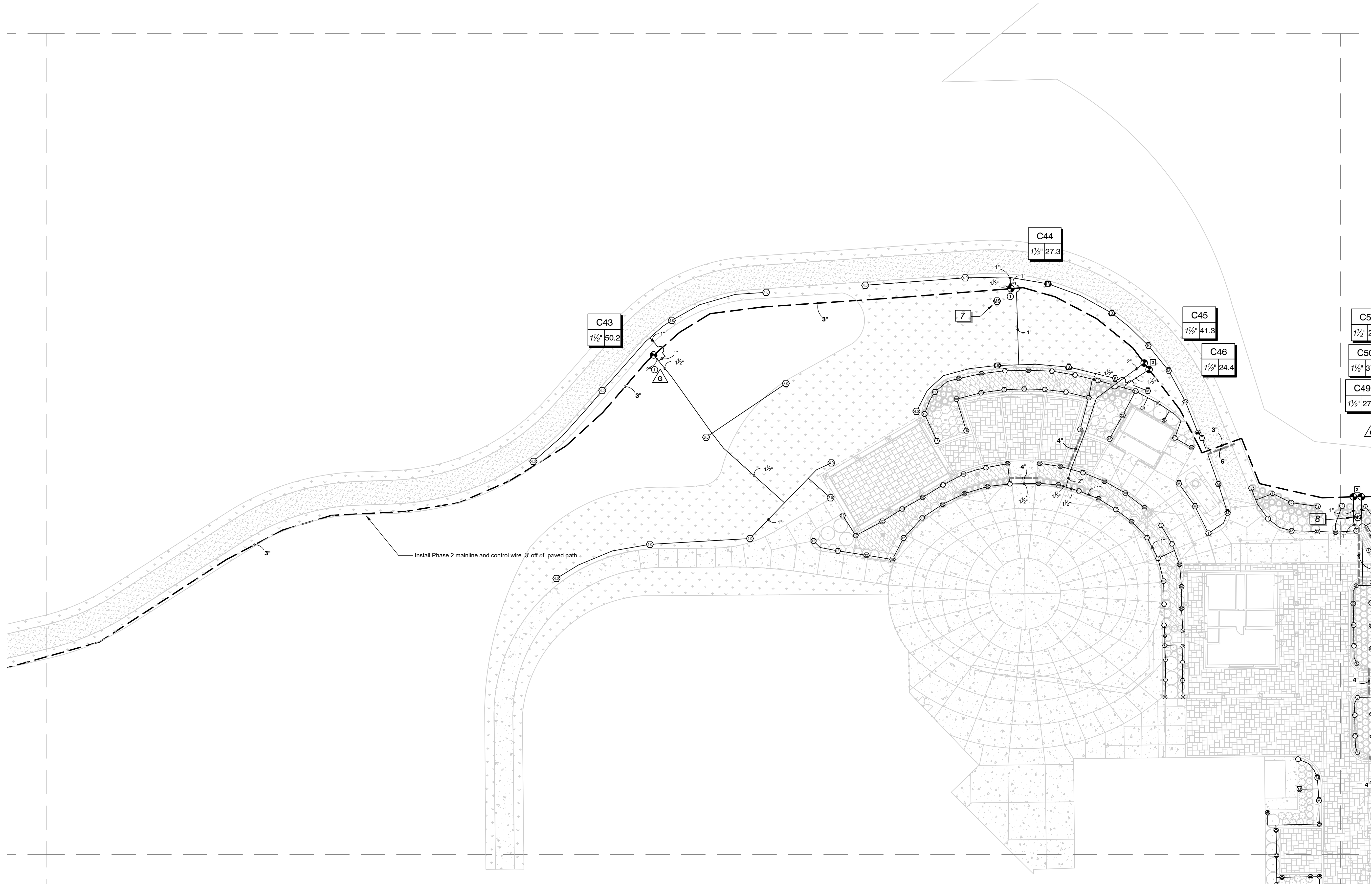
CITY OF GUNTERSVILLE  
GUNTERSVILLE PARK - PHASE 2  
GUNTERSVILLE, ALABAMA

REV.	DR.	CHK.	DATE	DESCRIPTION
A	HC	SC	03/17/2023	90% OWNER REVIEW

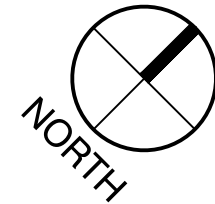
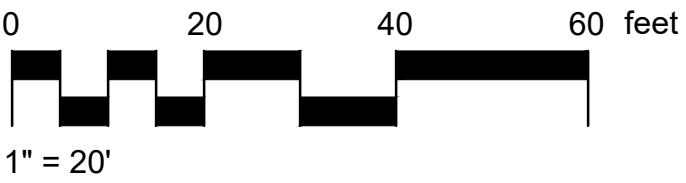
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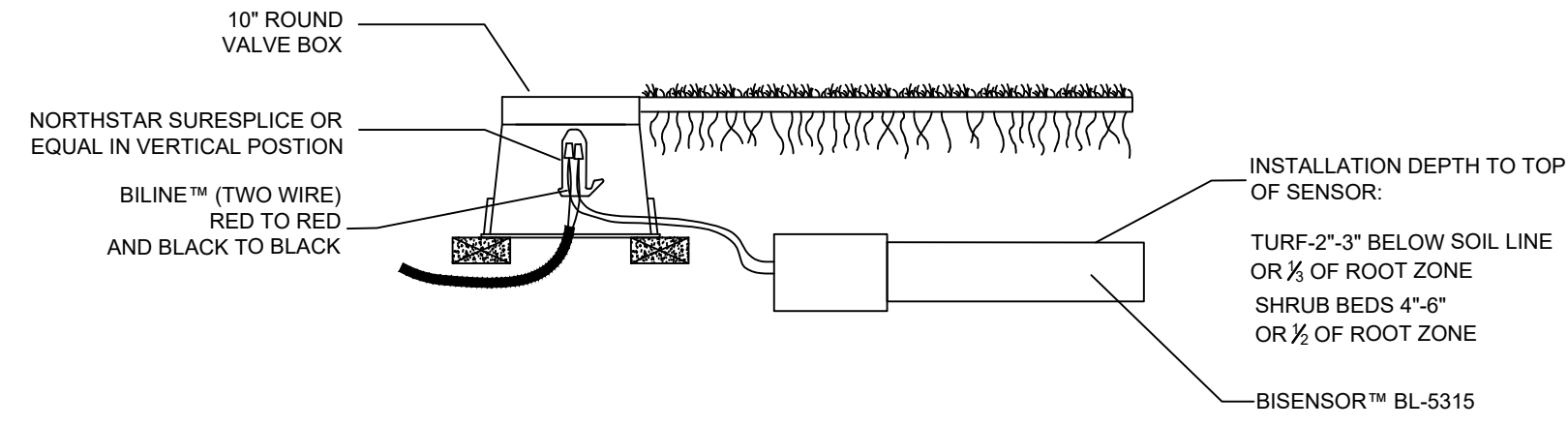


Install Phase 2 mainline and control wire 3' off of paved path.

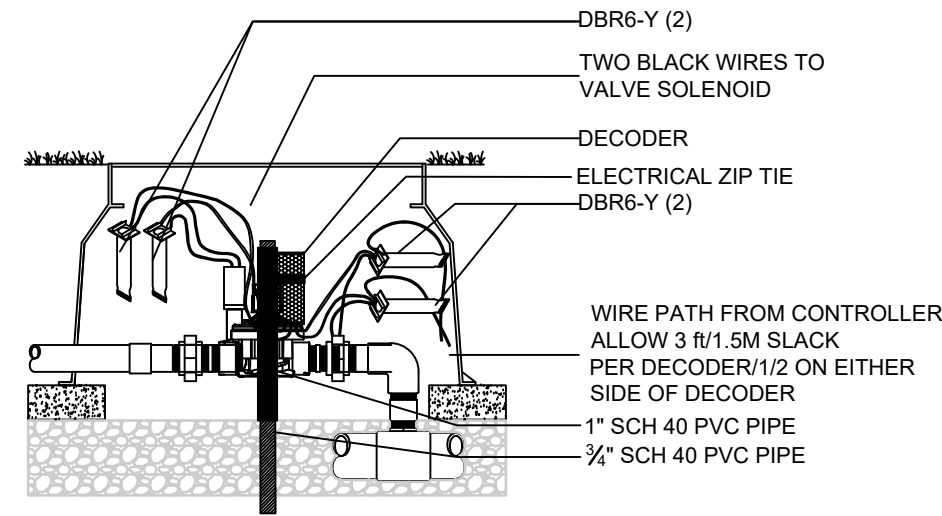


REVISION INFORMATION

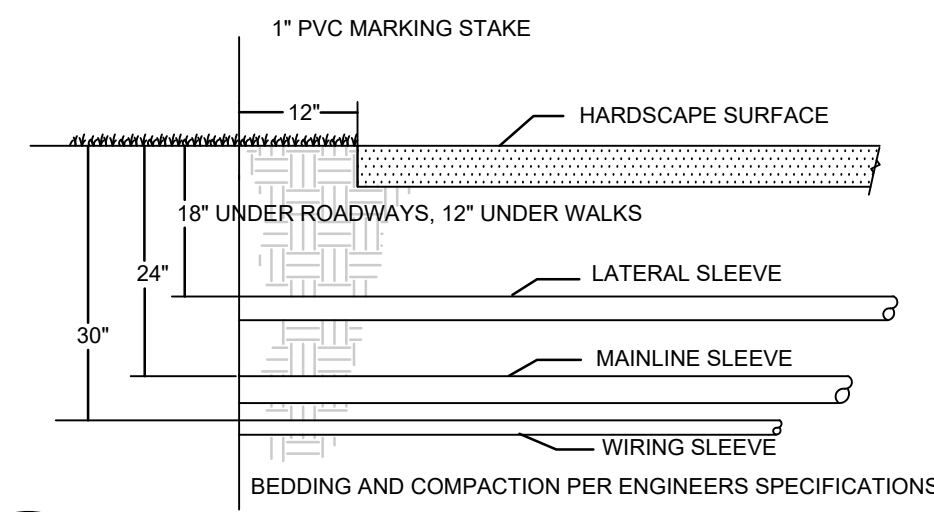
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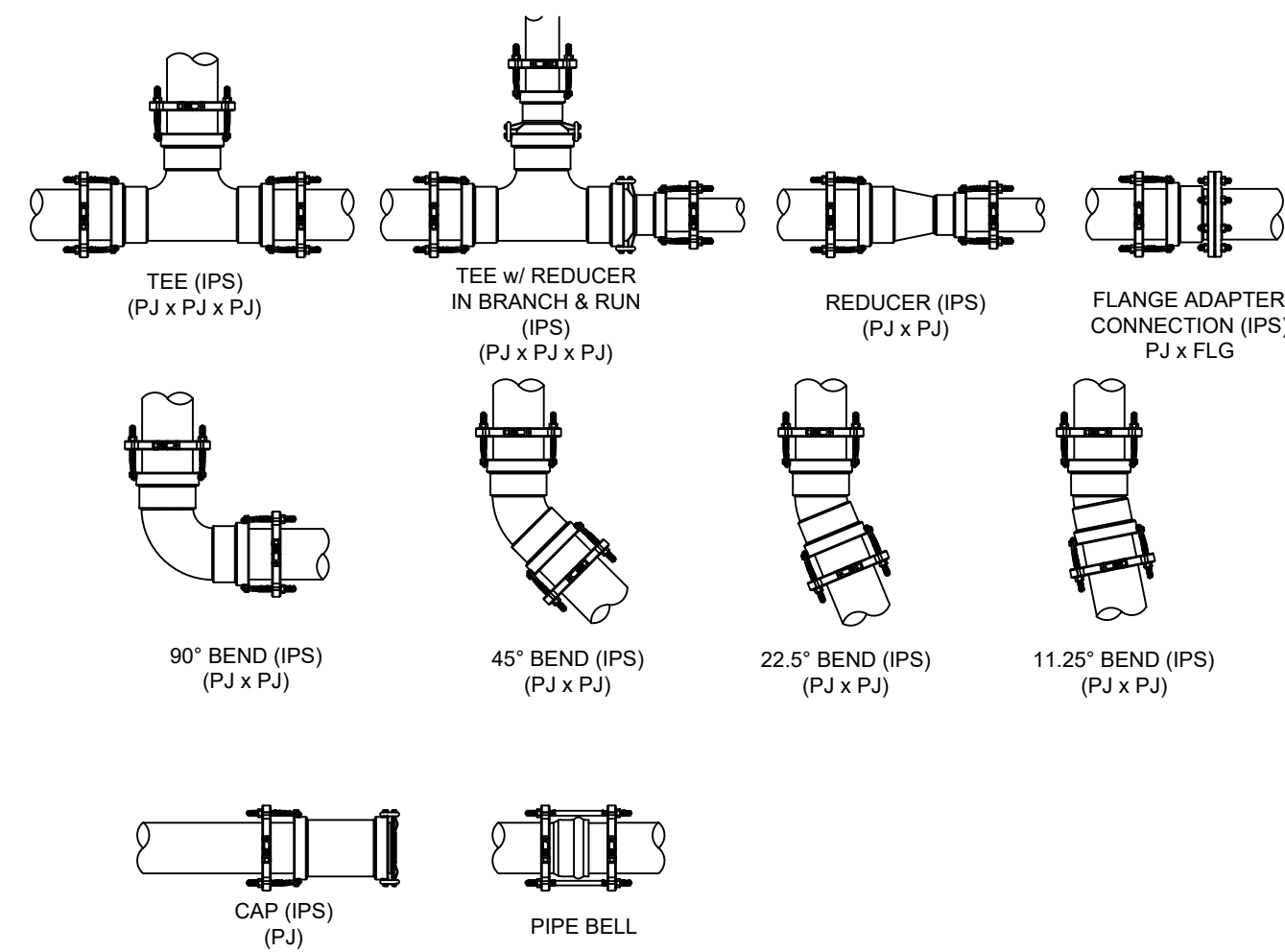
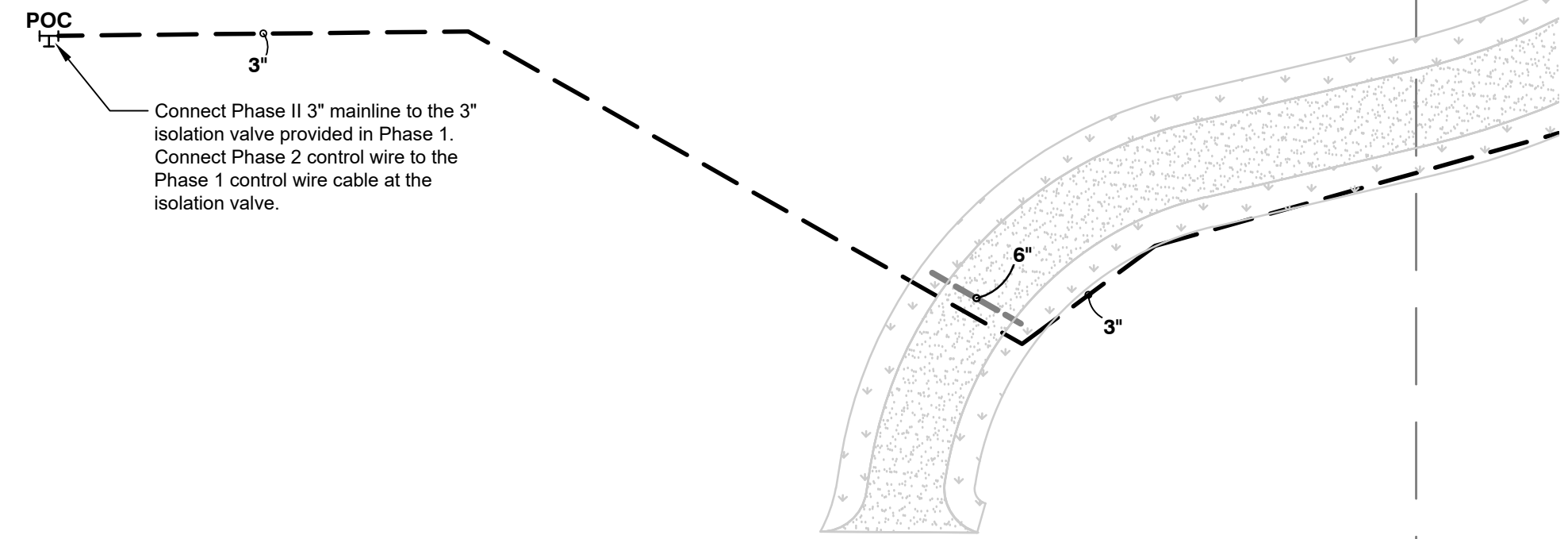
12 MOISTURE SENSOR PLACEMENT  
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13 DECODER VALVE BOX INSTALLATION  
NTS

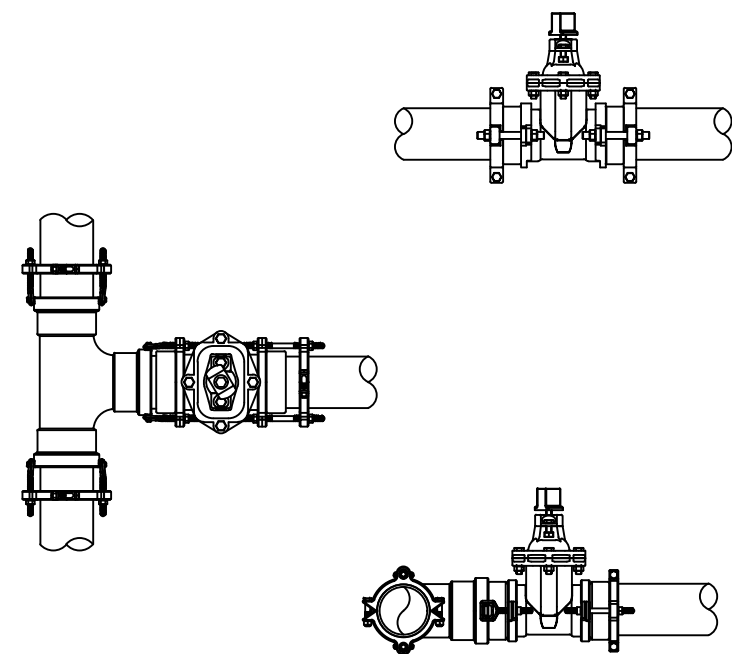


14 SLEEIVING  
NTS



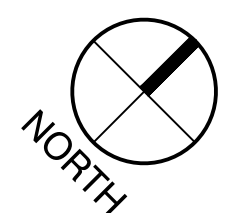
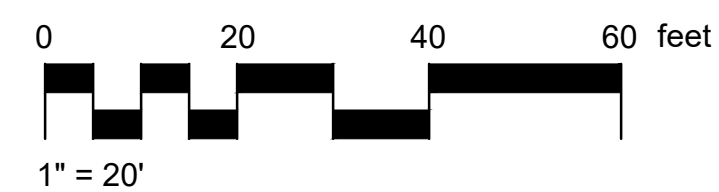
ALL FITTING, VALVE AND PIPE JOINT RESTRAINT TO BE INSTALLED AS PER MANUFACTURERS REQUIREMENTS. SEE WWW.HARCOFITTINGS.COM FOR JOINT RESTRAINT INSTALLATION INFORMATION.

16 GASKET FITTING JOINT RESTRAINT  
NTS

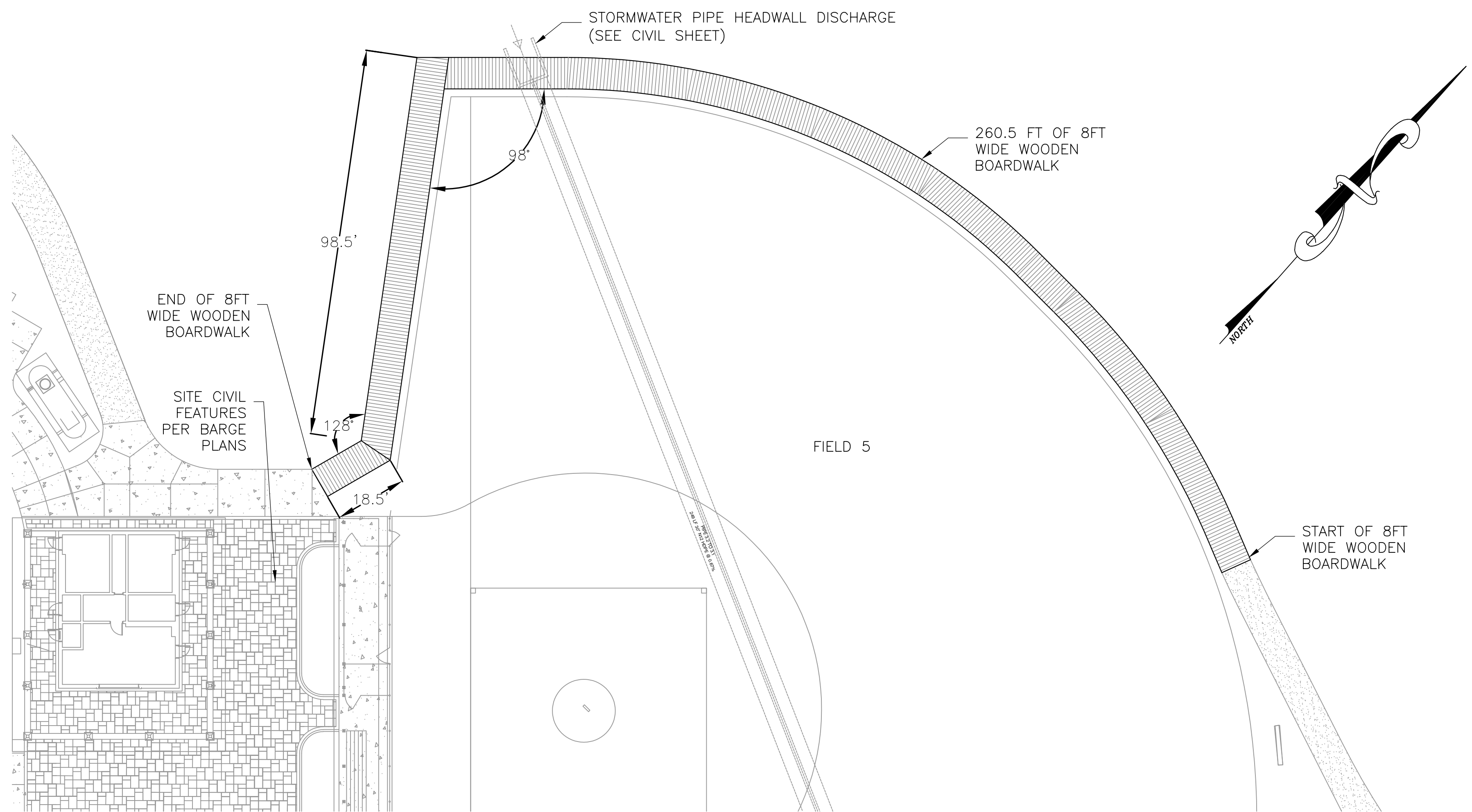


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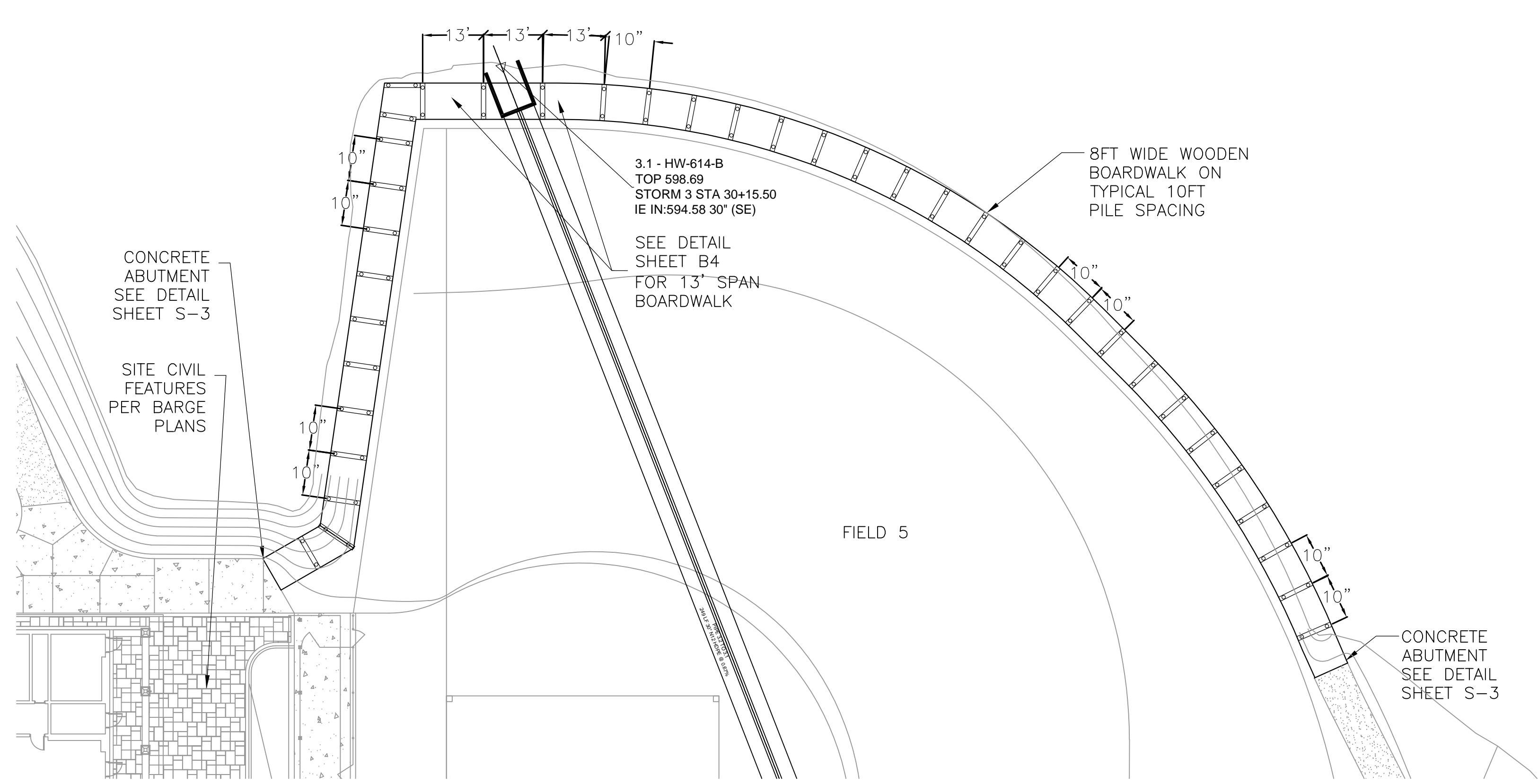
18 VALVE TO PIPE RESTRAINT  
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REV.	DR.	CHK.	DATE	DESCRIPTION
A	HC	SC	03/17/2023	90% OWNER REVIEW



BOARDWALK LAYOUT PLAN  
SCALE: 1"=20'



BOARDWALK PILE LAYOUT PLAN  
SCALE: 1"=20'

**DESIGN CRITERIA**  
 -ANSI / AF&PA NDS-2001 ASD MANUAL FOR ENGINEERING WOOD CONSTRUCTION  
 -ASCE 7-16 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" PUBLISHED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS  
 -2012 INTERNATIONAL BUILDING CODE  
 -AASHTO / AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS

**DESIGN LOADS**  
 BUILDING LOADS PER AASHTO GUIDE SPECIFICATIONS FOR PEDESTRIAN BRIDGES  
 DECK: LIVE LOAD - 100 PSF PEDESTRIAN LOAD ONLY  
 DEAD LOAD - 7.5 PSF  
 NO VEHICULAR ACCESS IS PROPOSED

**WIND LOAD CRITERIA**  
 WIND LOAD PER SECTION 6.5.10 ASCE 7-16 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"  
 BUILDING CATEGORY - I  
 EXPOSURE CATEGORY - C  
 BUILDING TYPE - OPEN  
 VELOCITY PRESSURE EXPOSURE COEFFICIENT (Kz) - 0.85  
 TOPOGRAPHIC FACTOR (Kzt) - 1.0  
 DIRECTIONALITY FACTOR (Kd) - 0.85  
 BASIC WIND SPEED (V) - 110 MPH  
 IMPORTANCE FACTOR (I) - 0.77  
 VELOCITY PRESSURE (qz) = 18.17 PSF

**SEISMIC DESIGN CRITERIA**  
 Ss = 0.197 Svs = 0.21  
 Si = 0.092 Svi = 0.148  
 RISK CATEGORY: II  
 IMPORTANCE FACTOR: 1.0  
 SITE CLASS: D  
 SEISMIC DESIGN CATEGORY: C  
 RESPONSE COEFFICIENT: Cs = 1.6  
 RESPONSE MODIFICATION COEFFICIENT: R = 1.4  
 BASIC SEISMIC FORCE RESISTING SYSTEMS WOOD FRAME AND CANTILEVER PILE FOUNDATION  
 SEISMIC ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE PROCEDURE

**GENERAL NOTES**  
 1. ALL TIMBER PILES TO BE SOUTHERN YELLOW PINE (SYP) PRESSURE TREATED WITH 19% MC BEFORE TREATMENT. ALL FRAMING LUMBER TO BE #2 OR BETTER SYP PRESSURE TREATED WITH 19% MC BEFORE TREATMENT. ALL DECKBOARDS, HANDRAILS, OVERLAY/SUPPORTS AND POSTS TO BE #1 SYP PT WITH 19% MC BEFORE TREATMENT.  
 2. ALL DECK, HANDRAIL FASTENERS, HANDRAIL BOLTS, NUTS, WASHERS, CLIPS, STRAPS AND NAILS TO BE HOT DIPPED GALVANIZED. ALL DECK SCREWS TO BE STAINLESS STEEL.  
 3. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE AFPA (AMERICAN FOREST PRODUCTS ASSOCIATION) AND THE 2012 INTERNATIONAL BUILDING CODE.  
 4. ALL PILING SHALL MEET THE REQUIREMENTS AS SET FORTH BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) UNDER THE PROVISIONS OF D25 (LATEST EDITION), STANDARD SPECIFICATIONS FOR ROUND TIMBER PILES. TOLERANCE IN DIAMETER OF PILING SHALL BE 1" TAPER IN 10 LINEAR FEET.  
 5. ALL PILES ARE TO BE DRIVEN TO REFUSAL AND/OR MUST ACHIEVE A MINIMUM DEPTH OF 10'. PILE REPLACEMENT ALLOWABLE VARIATION ±3" SIDE TO SIDE IN SECTION AND ± 6" ON PILE CENTER TO CENTER SPACING ALONG LENGTH.  
 6. THE PILE DRIVING SPECIFICATIONS FOR DEFINING REFUSAL ARE AS FOLLOWS: TO ACHIEVE A MINIMUM 10' SOIL PENETRATION USING A BOBCAT E85 COMPACT EXCAVATOR (OR EQUIVALENT), IDLING AT 800 RPM'S, WITH ATTACHED C4 "NPK" HAMMER (OR EQUIVALENT) UTILIZING 3,500 LB-FT OF IMPULSE FORCE OPERATING AT A CYCLE RATE OF 2,400 PER MINUTE AND USING A FLOW OF 11-13 GALLONS OF HYDRAULIC FLUID PER MINUTE. IF THE PILING DOES NOT CONTINUE TO MOVE AFTER 1-MINUTE, THEN REFUSAL HAS BEEN MET.  
 7. UPON ENCOUNTERING ROCK, DENSE SOIL, OR OTHER SIMILAR SOIL CONDITION THAT HINDERS PILING INSERTION, THE AUGURING METHOD MAY BE UTILIZED IN CERTAIN AREAS CONCRETE PIER FOOTERS MAY BE REQUIRED.

**Lumber Specifications**

Dimension	Location	Species	Grade	Treatment
2" x 6"	Guardrail Cap	Weardeck		
2" x 8"	Deck Board	Weardeck		
2" x 6"	Top & Bottom Rail	SYP	# 1	0.40 ACQ
2" x 6"	Cover Board	SYP	# 1	0.40 ACQ
4" x 6"	Guardrail Post	SYP	# 1	0.40 ACQ
4" x 4"	Guardrail Post Blocking	SYP	# 1	0.40 ACQ
3" x 12"	Stringer	SYP	# 2 & BTR	0.60 ACQ
3" x 12"	Stringer Blocking	SYP	# 2 & BTR	0.60 ACQ
3" x 8"	Bearing Board	SYP	# 2 & BTR	0.60 ACQ
3" x 12"	Closure Board	SYP	# 2 & BTR	0.60 ACQ
10" x 10"	Pile Cap	SYP	# 2 & BTR	0.60 ACQ
8" Butt	Pile	SYP		0.80 CCA
4"x4"	Curb	SYP	#1	0.40 ACQ
4"x4"	Curb Blocking	SYP	#1	0.40 ACQ
SYP (Southern Yellow Pine)				

USER: LARONTEFIELDS  
 FILE: S:\Barge\Guntersville ALDWGs as of 3-27-23\B-1.dwg  
 SAVED: 4/14/2023  
 PLOTTED: 4/14/2023

**BARGE**  
 DESIGN SOLUTIONS  
 200 Citrus Parkway / Suite 800 / Huntsville, Alabama 35891  
 PHONE (256) 533-1081 / FAX (256) 533-1084

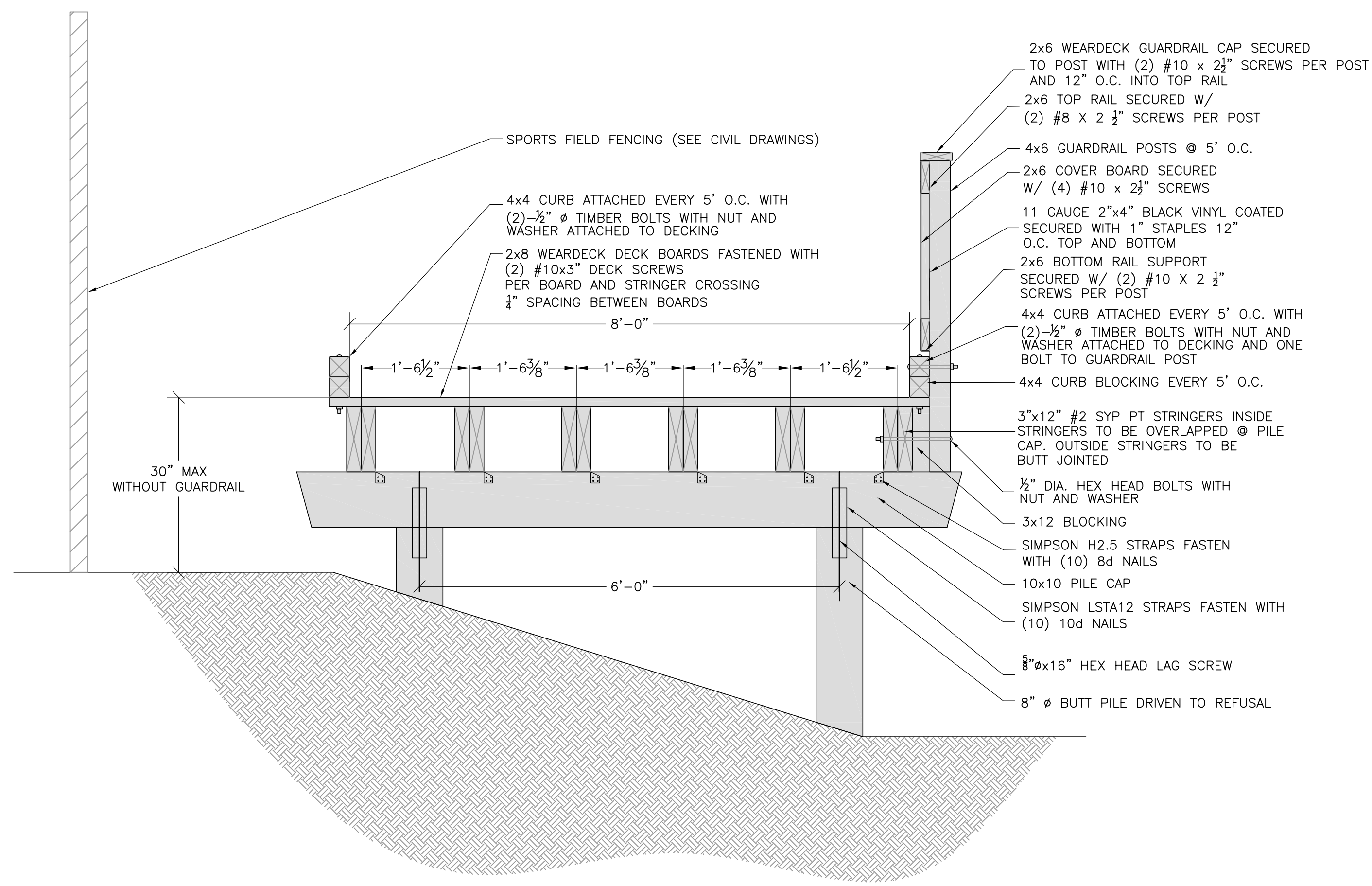
BOARDWALK LAYOUT PLANS  
 CITY OF GUNTERSVILLE  
**GUNTERSVILLE PARK - PHASE 2**  
 GUNTERSVILLE, ALABAMA

REV.	CHK.	DATE	DESCRIPTION
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2	TC	04/12/2023	100% BID DOCS

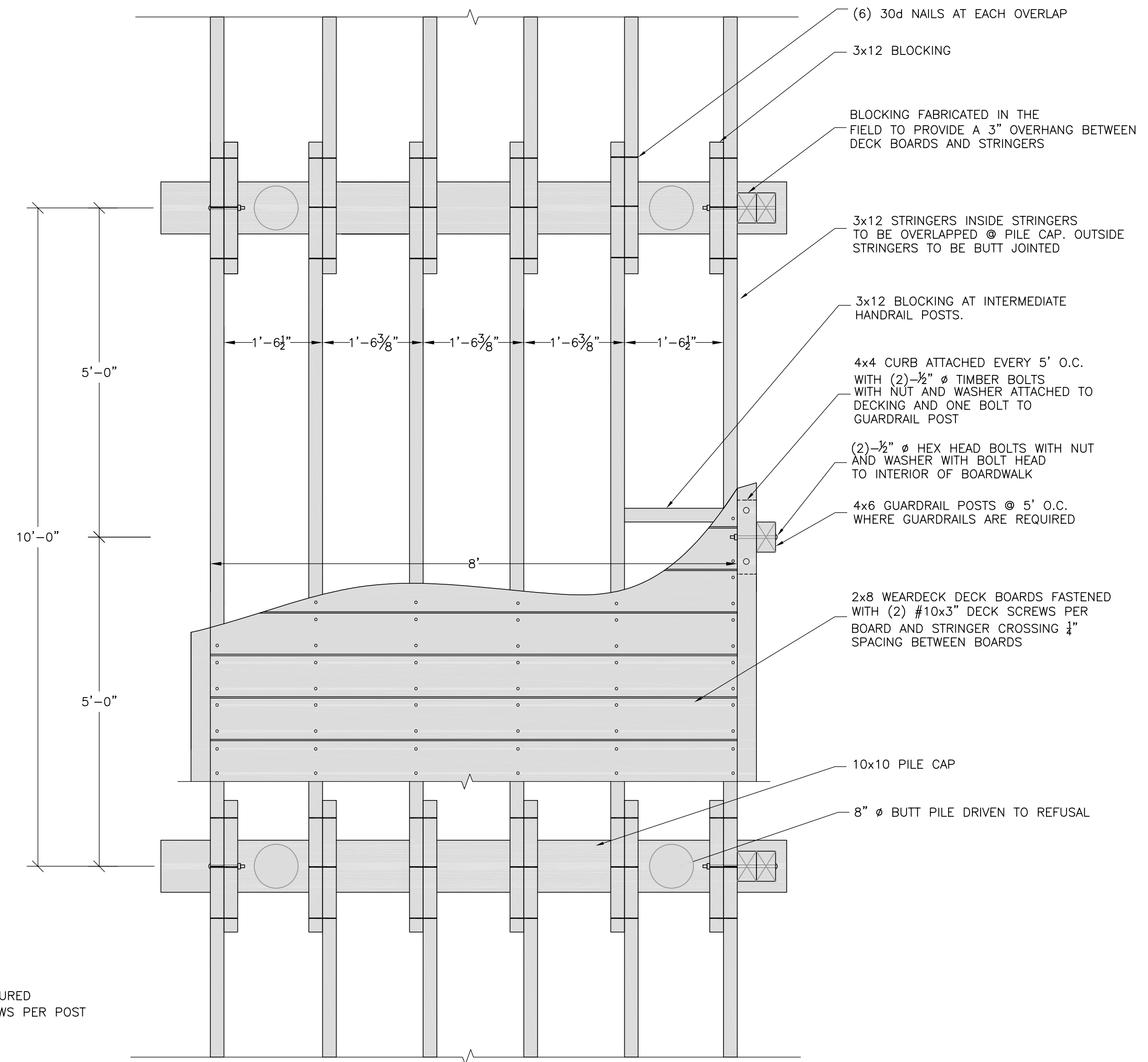
**PARKER**  
 CONSULTING SERVICES, INC.  
 CIVIL ENGINEERS  
 3849-B KILLBURN CENTER CT  
 TALLAHASSEE, FL 32308 PHONE: (850) 877-8400  
 MATTHEW PARKER P.E.# 58724 CA# 9603

**B-1**  
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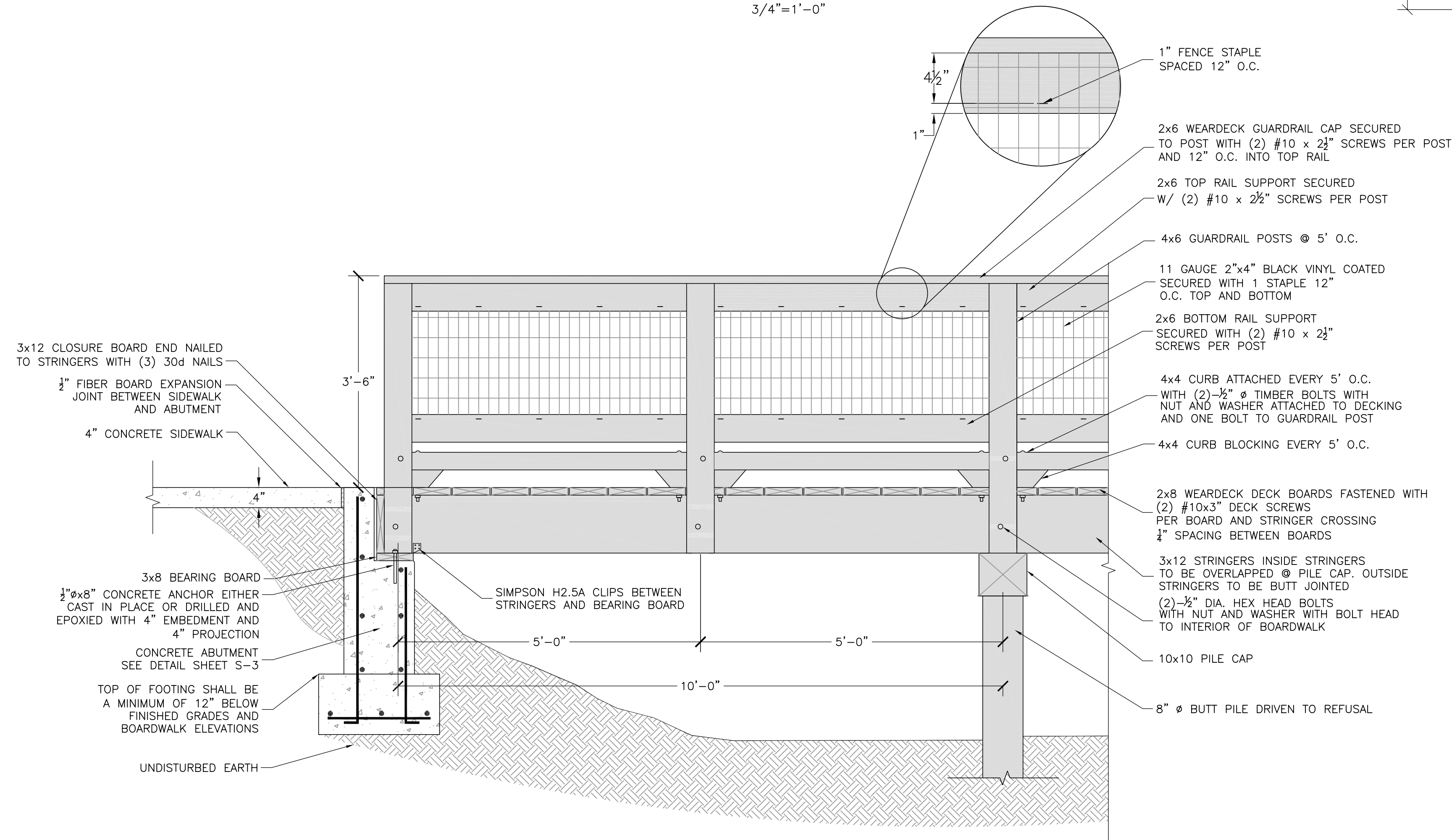




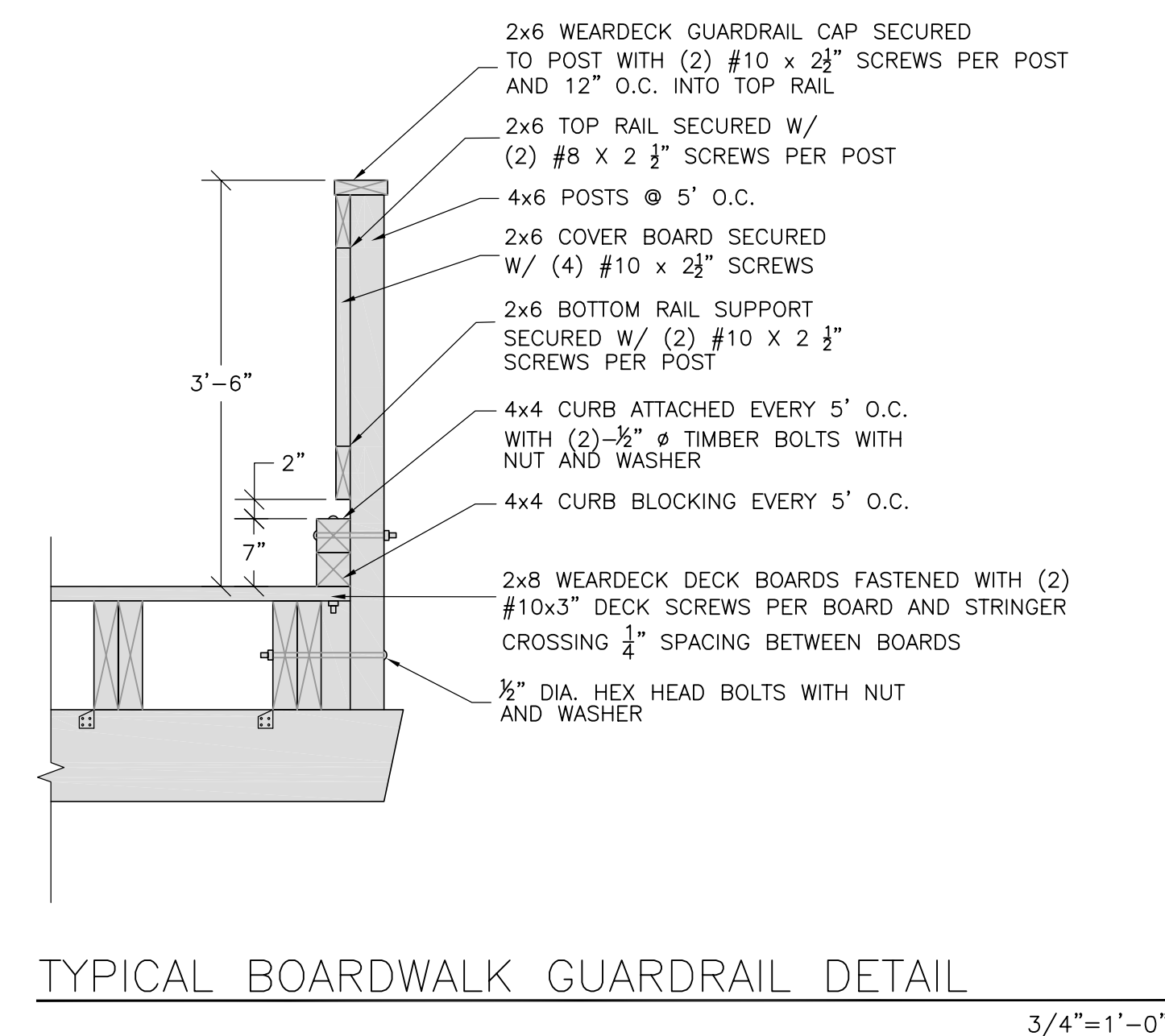
BOARDWALK SECTION WITH CURB AND GUARDRAIL  
3/4"=1'-0"



BOARDWALK PLAN VIEW  
3/4"=1'-0"



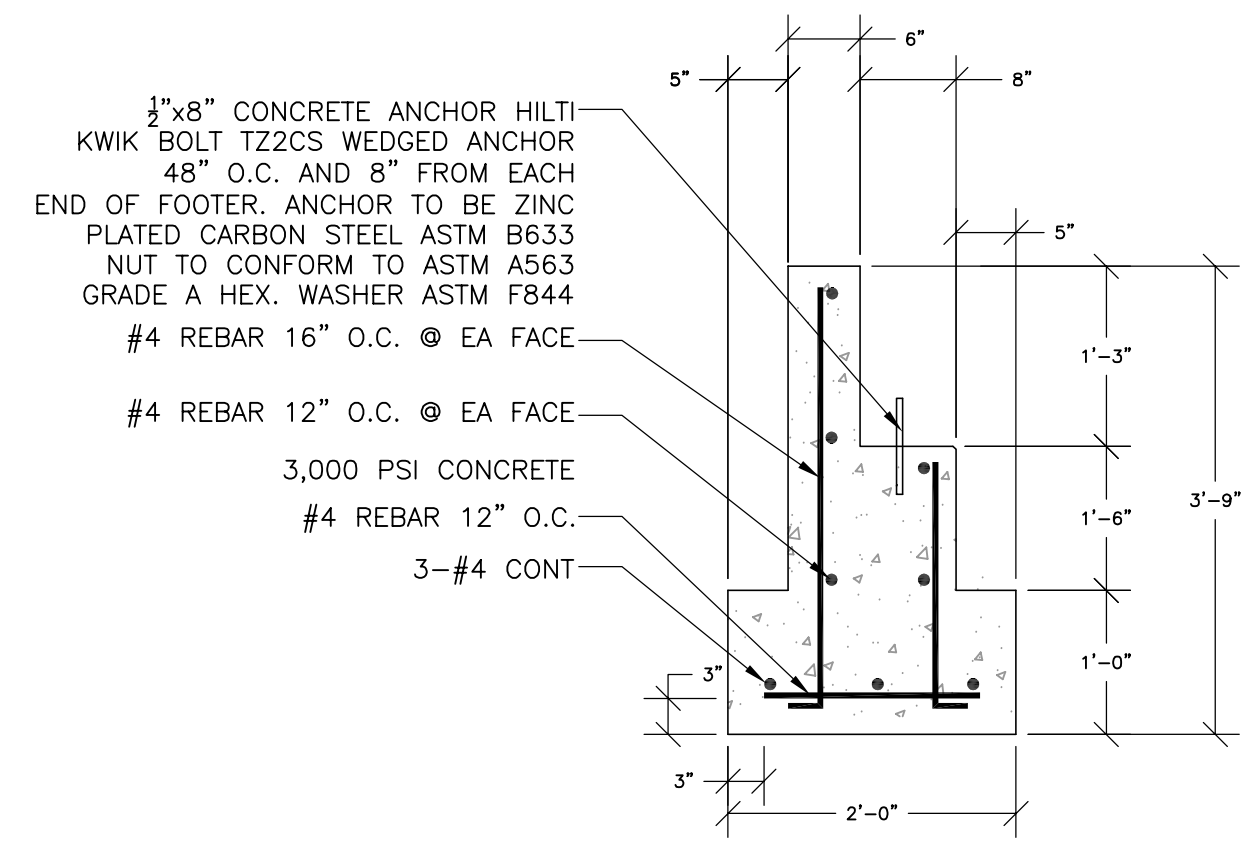
BOARDWALK ELEVATION AT CONCRETE ABUTMENT  
3/4"=1'-0"



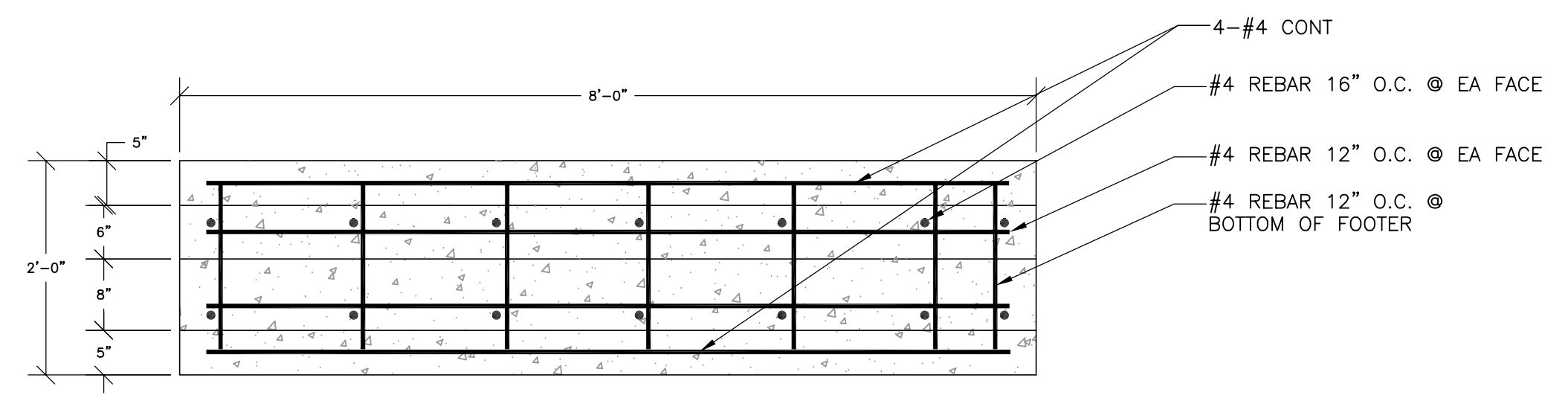
TYPICAL BOARDWALK GUARDRAIL DETAIL  
3/4"=1'-0"

REV.	DR.	CHK.	DATE	DESCRIPTION
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2	A	BP	04/14/2023	100% BID PAGES

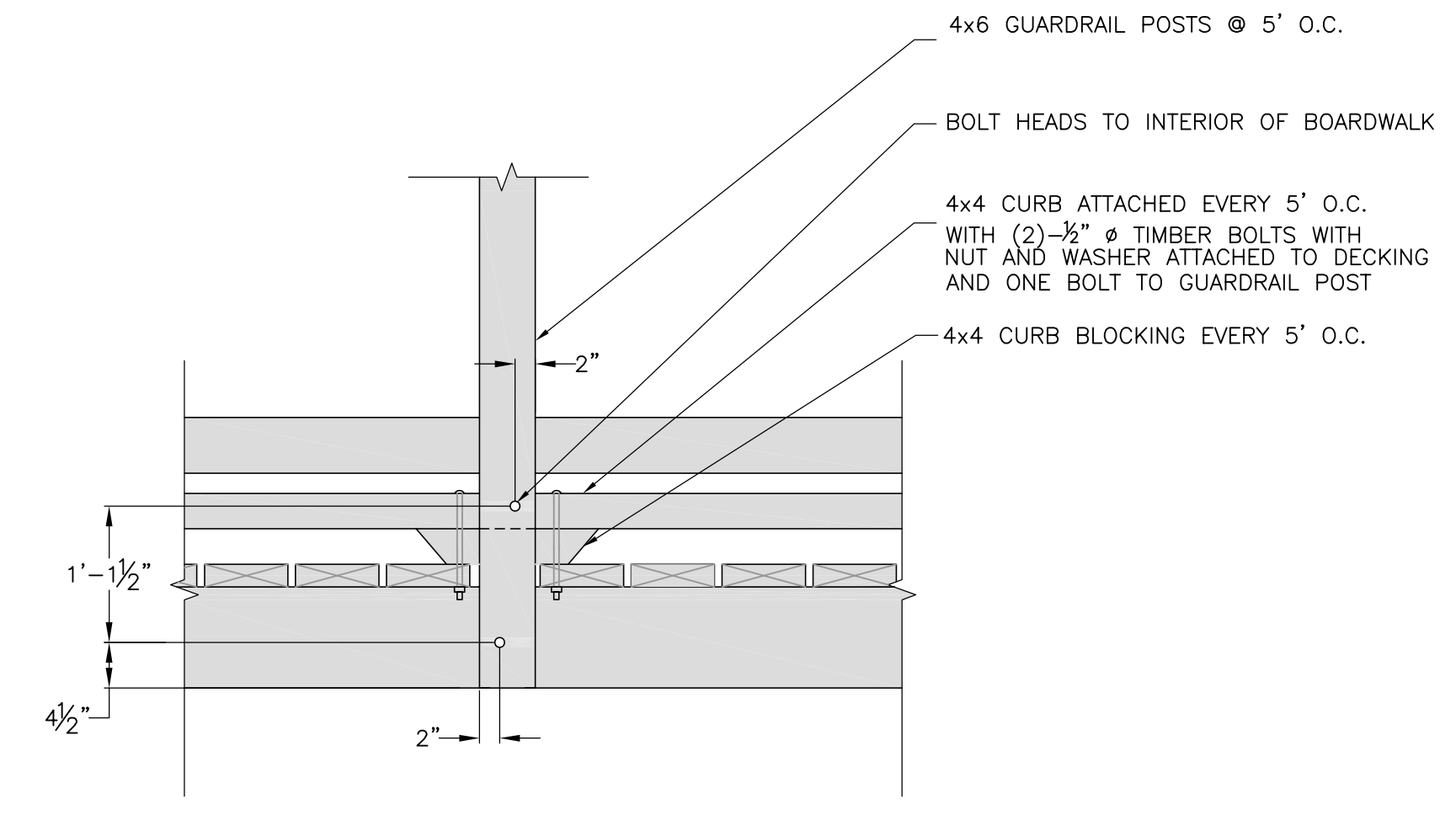
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PLOTTED:4/14/2023



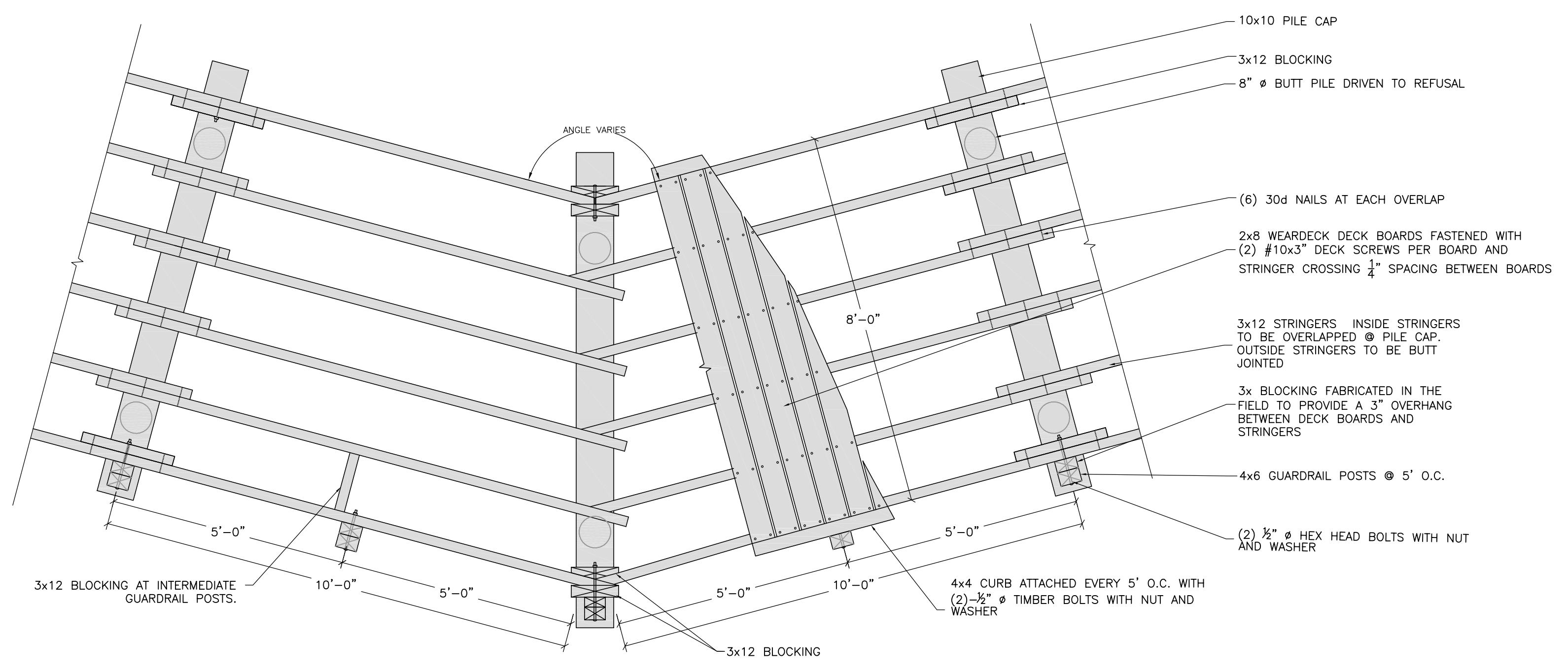
ABUTMENT SECTION  
3/4"=1'-0"



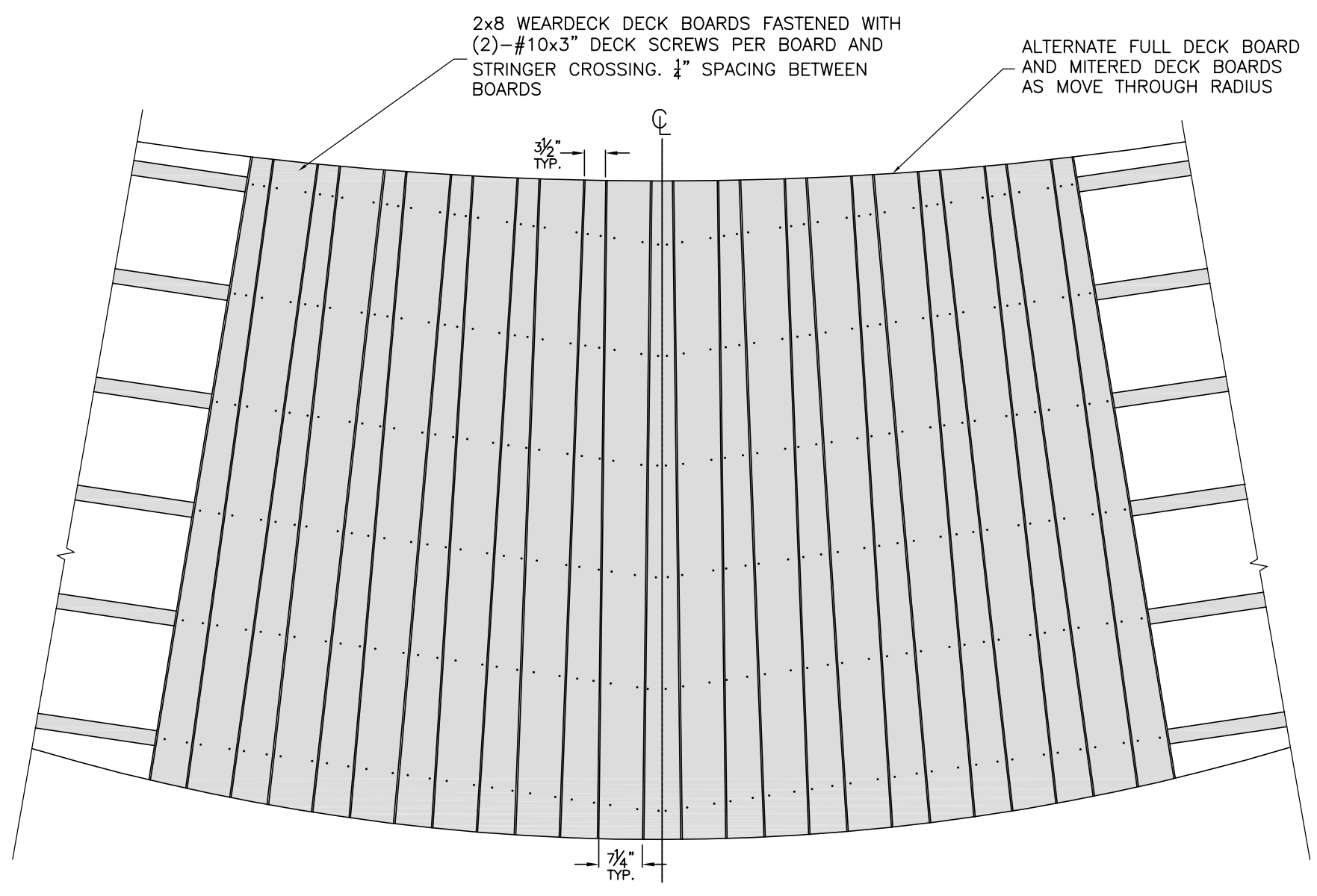
ABUTMENT PLAN VIEW  
3/4"=1'-0"



GUARDRAIL BOLT DETAIL  
3/4"=1'-0"



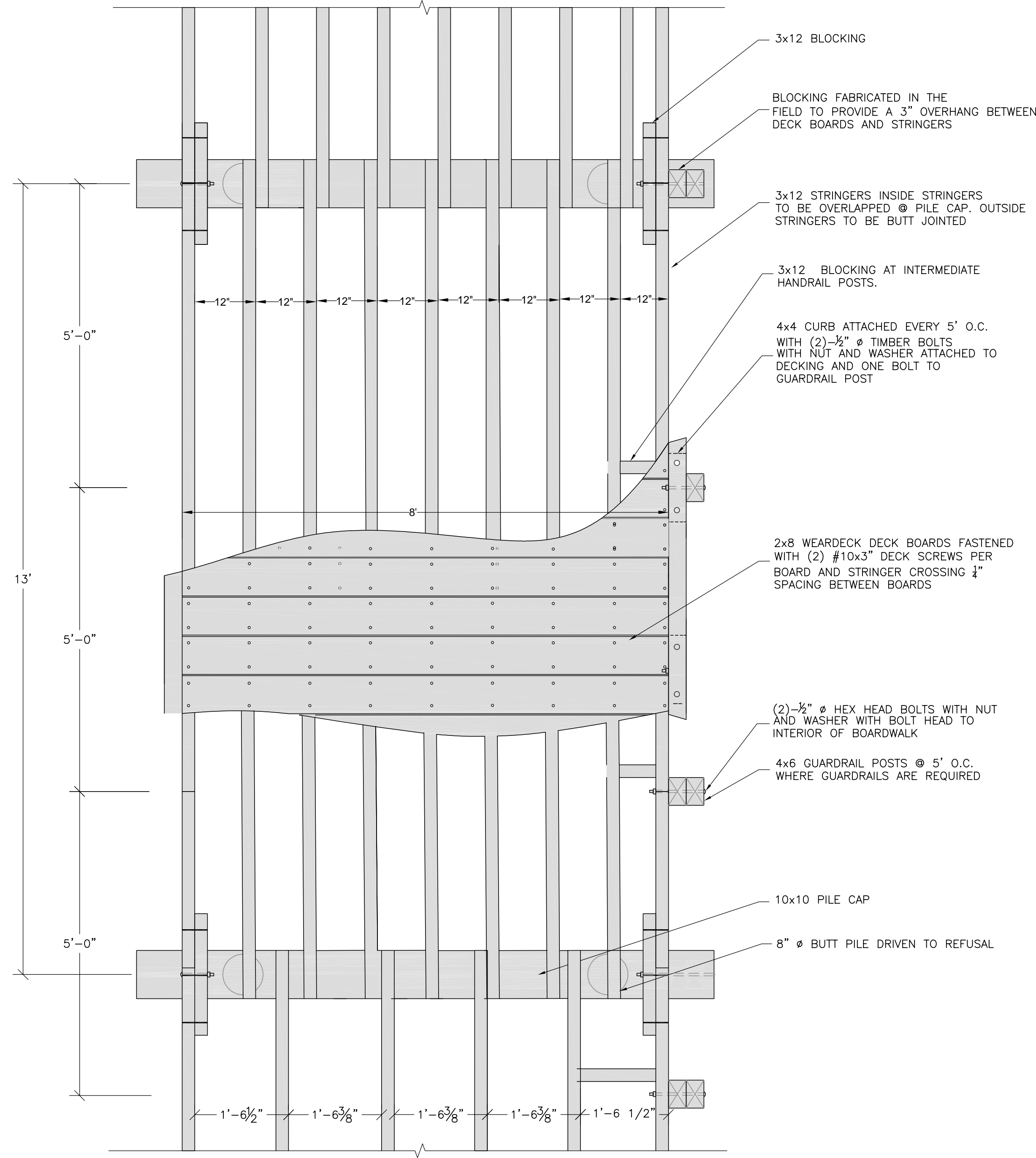
TYPICAL BOARDWALK PLAN VIEW  
1/2"=1'-0"



RADIUS DECK BOARD DETAIL  
1/2"=1'-0"

REV.	DR.	CHK.	DATE	DESCRIPTION
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2	DR	DR	04/14/2023	100% BID DOCS

USER: LARONTAFIELDS  
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 SAVED: 4/14/2023  
 PLOTTED: 4/14/2023



**BOARDWALK PLAN VIEW @ PIPE CROSSING**  
 3/4"=1'-0"

REVISION INFORMATION		DESCRIPTION
REV	DATE	
A	03/17/2023	BUS. OWNER REVIEW
	04/14/2023	100% BID CHECK