

CITY OF TUCKER TOWN GREEN PARK TUCKER, DEKALB COUNTY, GEORGIA



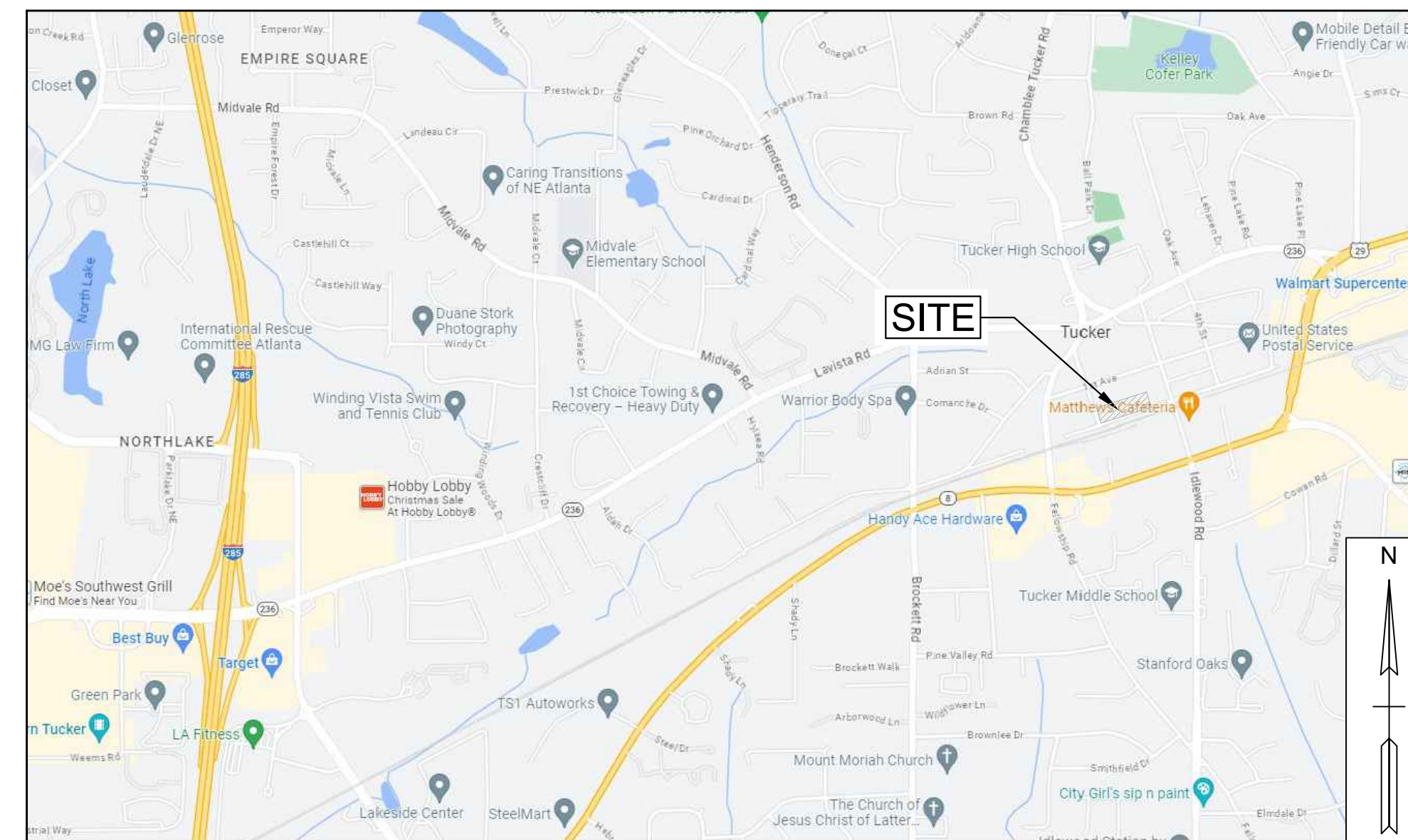
ITB 2024-010
TUCKER TOWN
GREEN
CONSTRUCTION
05/21/2024

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CONTACTS

OWNER	CITY OF TUCKER
	1975 LAKESIDE PKWY, SUITE 350 TUCKER, GA 30084 678.597.9040 CONTACT: RIP ROBERTSON
DESIGN PROFESSIONAL	BARGE DESIGN SOLUTIONS
	2839 PACES FERRY ROAD / SUITE 850 ATLANTA, GA 30339 770.628.7634 CONTACT: RAIGAN CARR



VICINITY MAP

NOT TO SCALE



2839 Paces Ferry Road // Suite 850 // Atlanta, Georgia 30339
Phone (770) 628-7361 // Fax (770) 805-0903

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CITY OF TUCKER
TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GA 30084

C0.0

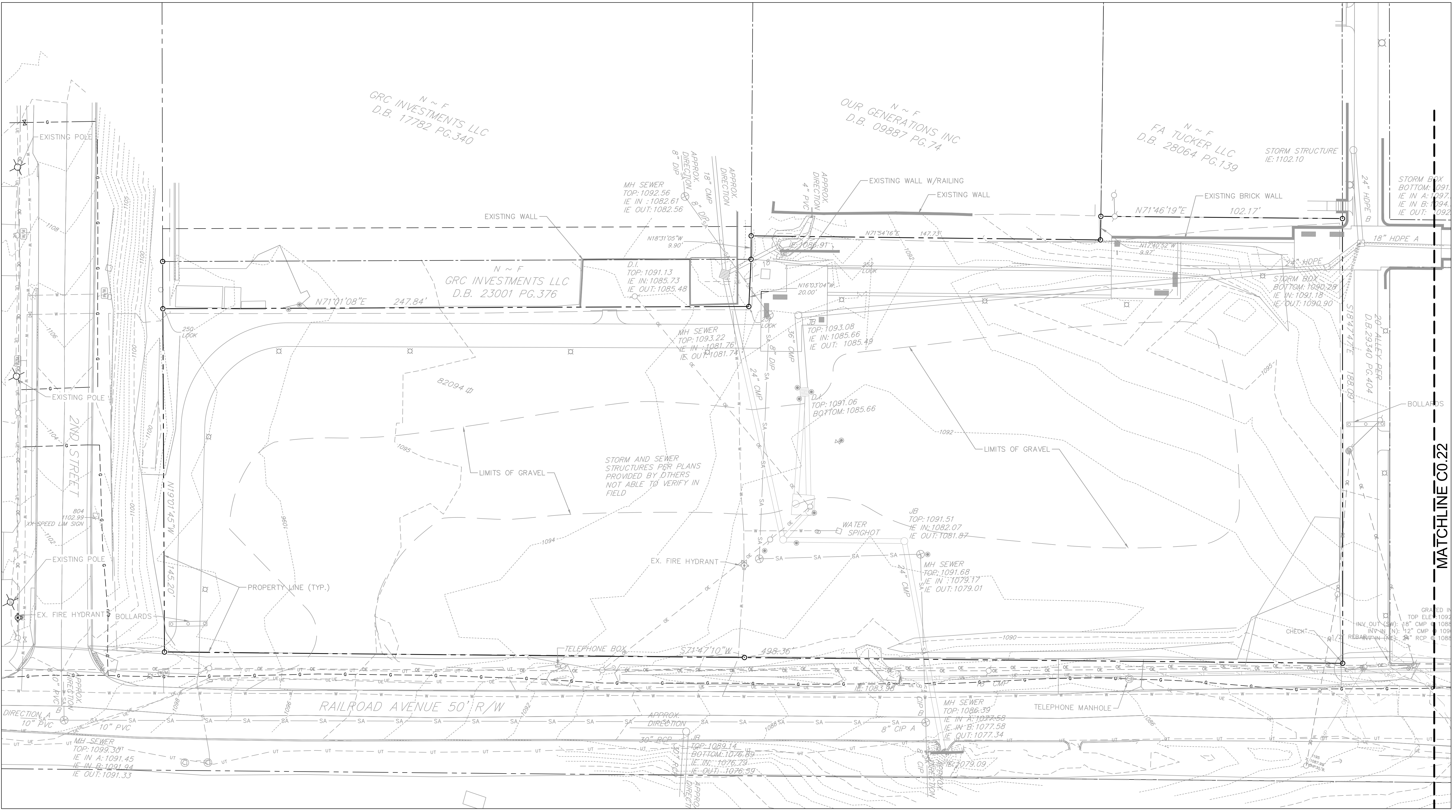
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3808805



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SAVED: 5/10/2024
PLOTTED: 5/10/2024



EXISTING CONDITIONS
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



- SURVEY NOTES**
1. SURVEY PROVIDED BY OWNER. EXISTING SIDEWALK IMPROVEMENTS SHOWN BASED ON PLANS. NO AS-BUILT SURVEY WAS COMPLETED AFTER SIDEWALK WAS CONSTRUCTED.

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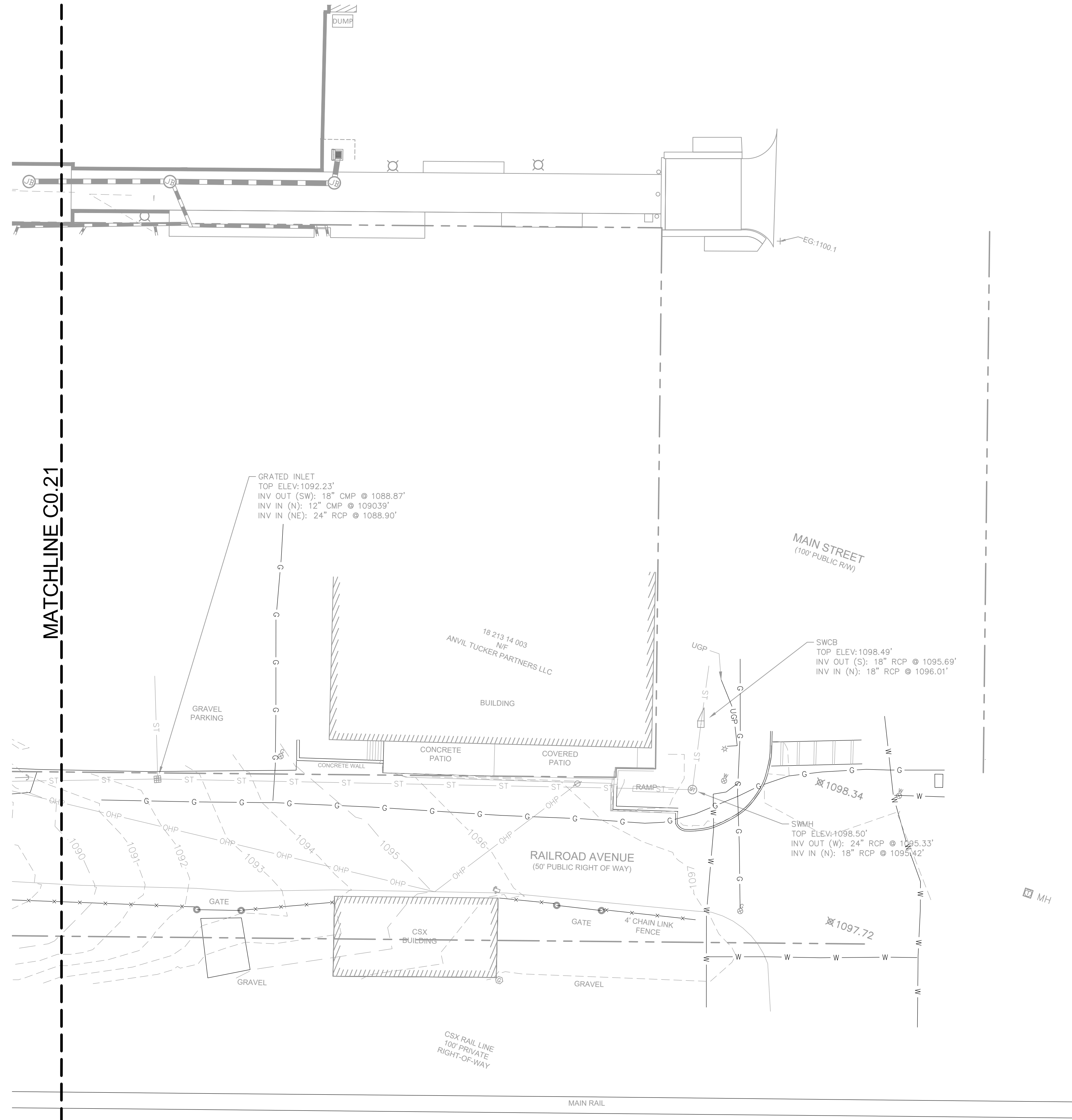


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PLOTTED:5/16/2024

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 SAVER:5/6/2024
 PLOTTED:5/6/2024



SURVEY NOTES

1. SURVEY PROVIDED BY OWNER. EXISTING SIDEWALK IMPROVEMENTS SHOWN BASED ON PLANS. NO AS-BUILT SURVEY WAS COMPLETED AFTER SIDEWALK WAS CONSTRUCTED.

BARGE
 DESIGN SOLUTIONS

2359 Paces Ferry Road / Suite 650 / Atlanta, GA 30339
 PHONE (770) 628-7531 / FAX (770) 865-0903



EXISTING CONDITIONS

CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

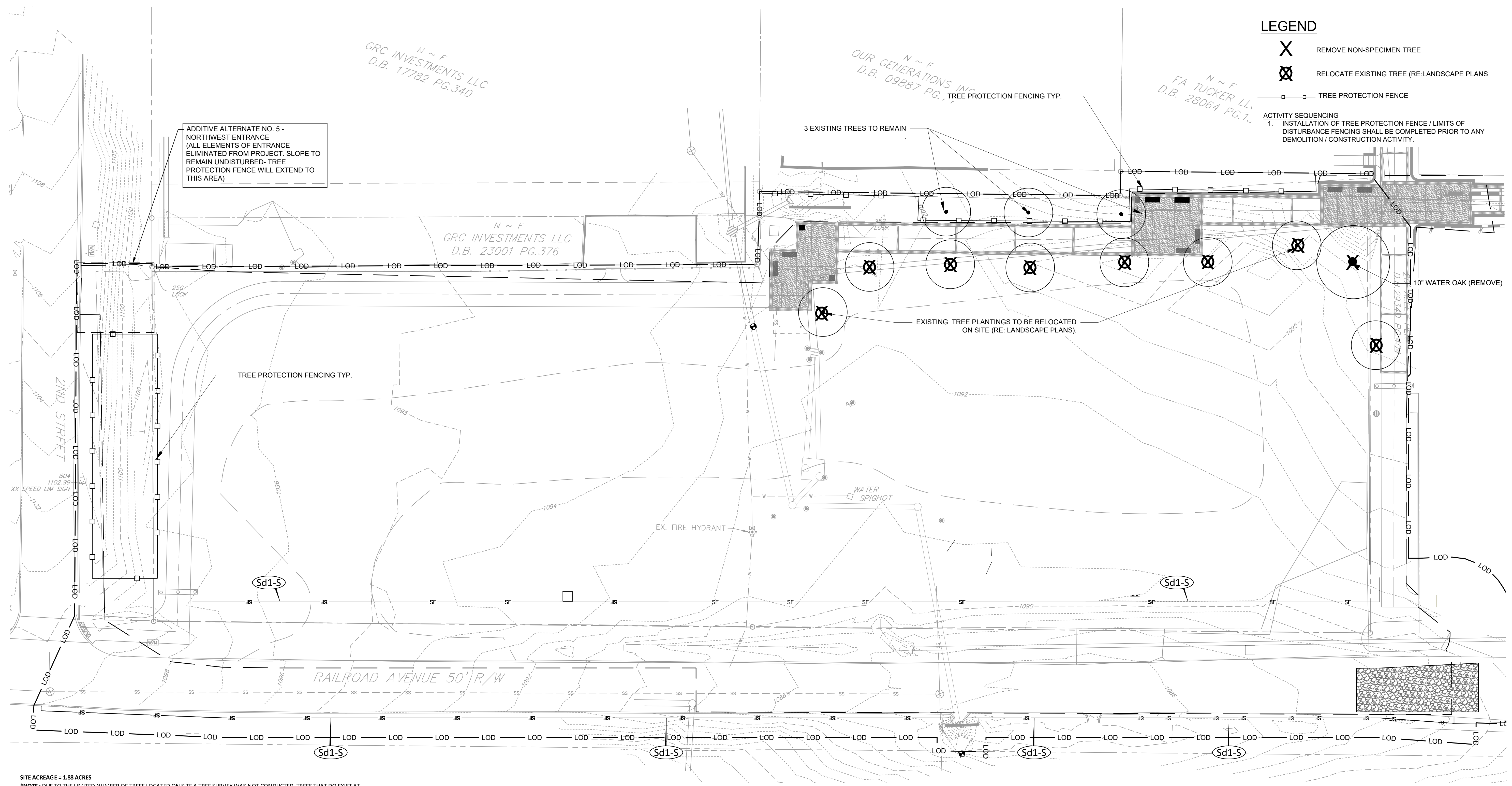
REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

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C0.22

PROJ. NO. : 3808805

REV.	DATE	DESCRIPTION
0	05/21/2024	ISSUED FOR BID



LEGEND

- X REMOVE NON-SPECIMEN TREE
- ⊗ RELOCATE EXISTING TREE (RE-LANDSCAPE PLANS)
- TREE PROTECTION FENCE

ACTIVITY SEQUENCING

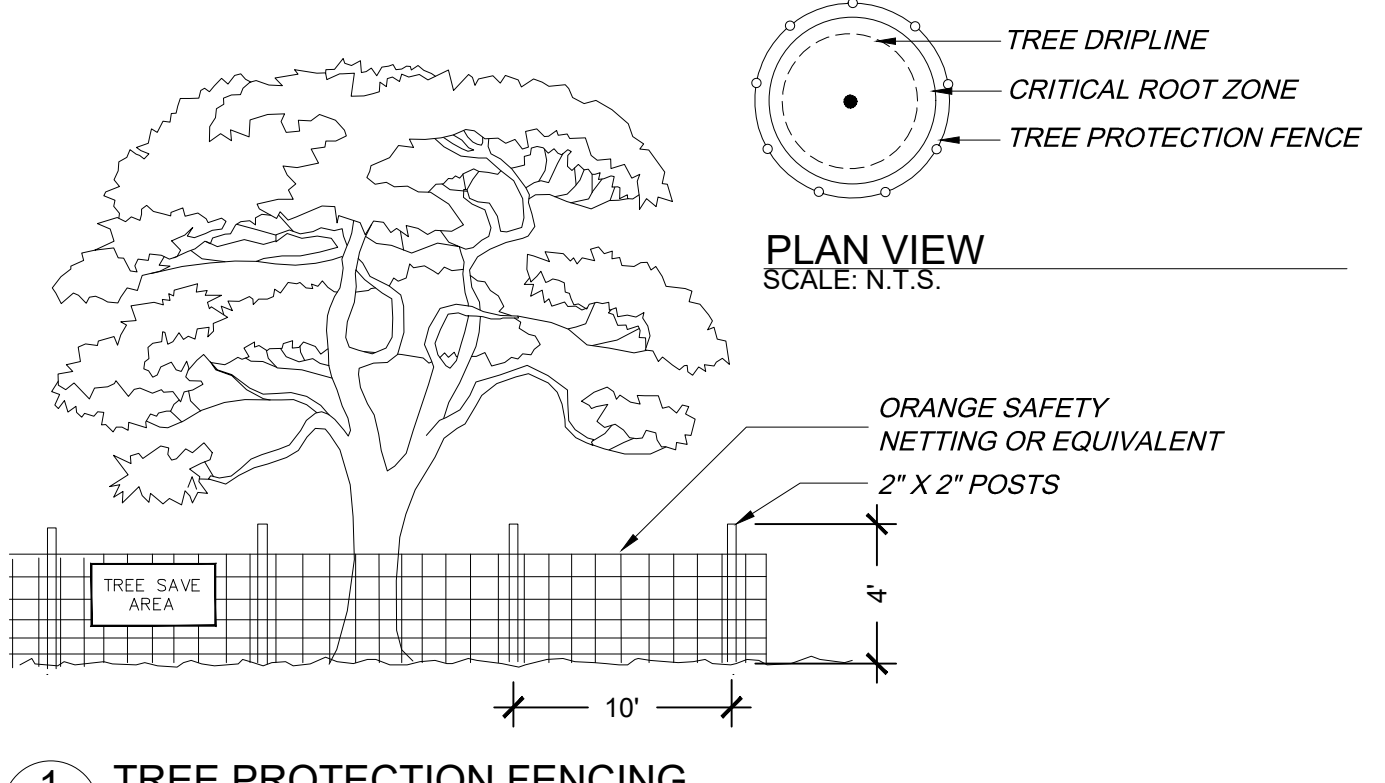
1. INSTALLATION OF TREE PROTECTION FENCE / LIMITS OF DISTURBANCE FENCING SHALL BE COMPLETED PRIOR TO ANY DEMOLITION / CONSTRUCTION ACTIVITY.

SITE ACREAGE = 1.88 ACRES
****NOTE:** DUE TO THE LIMITED NUMBER OF TREES LOCATED ON SITE A TREE SURVEY WAS NOT CONDUCTED. TREES THAT DO EXIST AT THE FRINGES ARE OF SMALLER CALIPER AND ALTHOUGH THEY ARE NOT REFLECTED IN THE EXISTING DENSITY FACTOR, WILL BE PRESERVED AND PROTECTED WITH TREE PROTECTION FENCING ON SITE DURING CONSTRUCTION ACTIVITIES.

****NOTE:** TREES RECENTLY PLANTED AS PART OF A SEPARATE PROJECT, BUT ARE WITHIN THE LIMITS OF DISTURBANCE, WILL BE PRESERVED AND RELOCATED. THEY ARE REFLECTED IN THE EXISTING DENSITY FACTOR.

EDF UNIT	EDF	QUANTITY	DESCRIPTION
1.6	17.6	11	EXISTING / RECENTLY PLANTED TREES (OAKS / MAPLES)
	17.6		TOTAL EXISTING DENSITY FACTOR (PRESERVED AND RELOCATED)

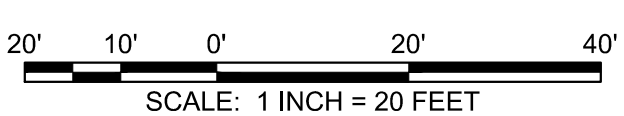
RDF UNIT	RDF	QUANTITY	BOTANICAL TREES	COMMON	CONT.	CALIPER	HEIGHT	REMARKS
0.7	0.7	1	ACER GRISEUM	PAPERBARK MAPLE	B&B/CONT.	4-4.5" CAL	12-14'	SPECIMEN, STRAIGHT DOMINANT LEADER, WELL BRANCHED
0.5	5.5	11	CARPINUS CAROLINIANA 'ORANGE CRUSH'	ORANGE CRUSH HORNBEAM	B&B/CONT.	3-3.5" CAL	12-14'	MATCHING, STRAIGHT DOMINANT LEADER, WELL BRANCHED
0.5	3.5	7	CRYPTOMERIA JAPONICA 'YOSHINO'	JAPANESE CRYPTOMERIA	B&B/CONT.	3-3.5" CAL	10-12'	FULL TO GROUND, DENSE, WELL BRANCHED
0.5	10.5	21	JUNIPERUS VIRGINIANA 'BURKII'	BURK EASTERN REDCEDAR	B&B/CONT.	3-3.5" CAL	8-10'	FULL TO GROUND, DENSE, WELL BRANCHED
0.7	2.1	3	NYSSA SYLVATICA 'NSUHH'	GREEN GABLE BLACK GUM	B&B/CONT.	4-4.5" CAL	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED
0.7	3.5	5	QUERCUS COCCINEA	SCARLET OAK	B&B/CONT.	4-4.5" CAL	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED
0.7	2.8	4	QUERCUS PHELLOS	WILLOW OAK	B&B/CONT.	4-4.5" CAL	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED
0.7	2.1	3	QUERCUS SHUMARDII 'OSFTC'	PANACHE SHUMARD OAK	B&B/CONT.	4-4.5" CAL	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED
0.7	4.2	6	TAXODIUM DISTICHUM 'MICKELSON'	SHAWNEE BRAVE BALD CYPRESS	B&B/CONT.	4-4.5" CAL	14-16'	STRAIGHT DOMINANT LEADER, FULL, CLEAR TO 6'
SMALL TREES								
0.5	4.5	9	AMELANCHIER ARBOREA 'AUTUMN BRILLIANCE'	DOWNY SERVICEBERRY	B&B/CONT.	3-3.5" CAL	12-14'	MULTI-TRUNK, MATCHING, FULL, DENSE, WELL BRANCHED
0.5	3	6	CERCIS CANADENSIS	EASTERN REDBUD	B&B/CONT.	3-3.5" CAL	10-12'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED
0.5	2.5	5	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	B&B/CONT.	3-3.5" CAL	10-12'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED
0.5	3.5	7	CORNUS FLORIDA 'CHEROKEE BRAVE'	FLOWERING DOGWOOD	B&B/CONT.	3-3.5" CAL	10-12'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED
		48.4		TOTAL REPLACEMENT DENSITY FACTOR				



1 TREE PROTECTION FENCING

- TREE PROTECTION NOTES**
1. IF THERE ARE INCONSISTENCIES BETWEEN ANY ITEMS ON THESE PLANS THE MORE STRICT INTERPRETATION OF THOSE REQUIREMENTS SHALL BE FOLLOWED. PLEASE CONTACT CITY OF TUCKER PROJECT MANAGER FOR ANY INTERPRETATION.
 2. TREE SAVE FENCE AND SIGNAGE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE THIS INSPECTION AND APPROVAL HAS OCCURRED.
 3. INSTALLATION OF THE TREE SAVE FENCE WILL INVOLVE NO TRENCHING.
 4. ALL EXISTING TREES IDENTIFIED FOR PRESERVATION OR FOUND WITHIN TREE SAVE AREAS MUST BE FULLY PROTECTED DURING ALL PHASES OF THE PROJECT.
 5. ALL ROOTS ENCOUNTERED 3/4" OR GREATER DURING GRADING OR EXCAVATING OPERATIONS SHALL BE CLEAN CUT UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
 6. ANY LIMBS OVERHANGING THE LOD THAT MAY BE RIPPED, TORN, OR DAMAGED DURING CONSTRUCTION SHALL BE PROPERLY PRUNED UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE VEGETATION AND REMOVE TRASH AND DEBRIS AROUND THE PERIMETER OF THE PROJECT, EVEN IF WITHIN THE PUBLIC ROW.

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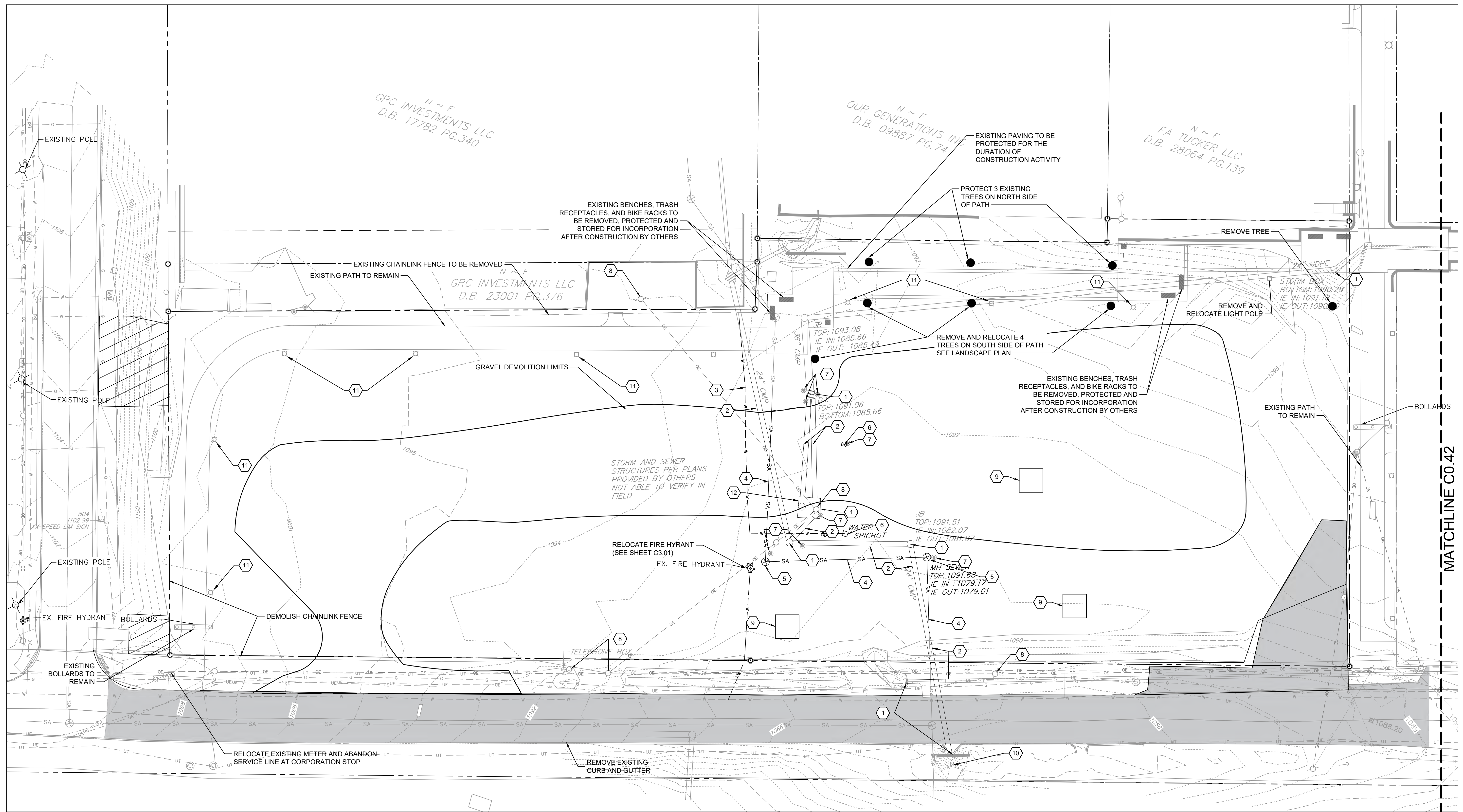
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SAVED:05/20/24
PLOTTED:05/20/24

DEMOLITION PLAN

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	DR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

C0.41
PROJ. NO. : 3808805



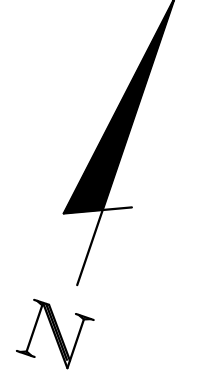
DEMOLITION NOTES

- CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
- EXISTING UNDERGROUND UTILITY SERVICES INCLUDING BUT NOT LIMITED TO, GAS, WATER, SANITARY ARE TO BE CUT AND CAPPED AT THE MAIN AND REMOVED.
- CONTRACTOR TO PROVIDE SMOOTH, STRAIGHT SAW-CUT LINES ALONG ALL AREAS OF CURB AND PAVEMENT REMOVAL.
- CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS WITHIN PROJECT AREA. ANY AREAS THAT BECOME DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
- CONTRACTOR TO FIELD LOCATE ATT LINE, CONTACT UTILITY PROVIDER IF RELOCATION IS REQUIRED.
- CONTRACTOR IS TO REFERENCE UNITED CONSULTING GEOTECHNICAL EXPLORATION REPORT (10.23.2023) AND ADDENDUM #1 (03.18.2024) FOR THE TUCKER TOWN

DEMOLITION KEYNOTES	
1	REMOVE EXISTING STORM STRUCTURE
2	REMOVE EXISTING STORM PIPE
3	ABANDON IN PLACE EXISTING WATER LINE (ABANDONMENT METHOD TO BE COORDINATED WITH DEKALB WATERSHED MANAGEMENT)
4	REMOVE SANITARY SEWER PIPE
5	REMOVE SANITARY SEWER STRUCTURE
6	REMOVE EXISTING SPIGOT
7	REMOVE EXISTING BOLLARD
8	RELOCATE POWER POLES, COORDINATE WITH GEORGIA POWER
9	CONTRACTOR TO PERFORM TEST PIT TO CHECK SUBSURFACE CONDITIONS. REFER TO GEOTECH REPORT PERFORMED BY UNITED CONSULTING. (ASSUME 10" DEEP FOR BIDDING PURPOSES)
10	CLEAN OUT ORGANIC DEBRIS WITHIN THIS AREA. NO WORK IS PERMITTED ON CSX RIGHT OF WAY UNTIL THE PROPER PERMITS HAVE BEEN ACQUIRED.
11	EXISTING LIGHTS TO REMAIN
12	REMOVE UNDERGROUND DETENTION VAULT

LEGEND

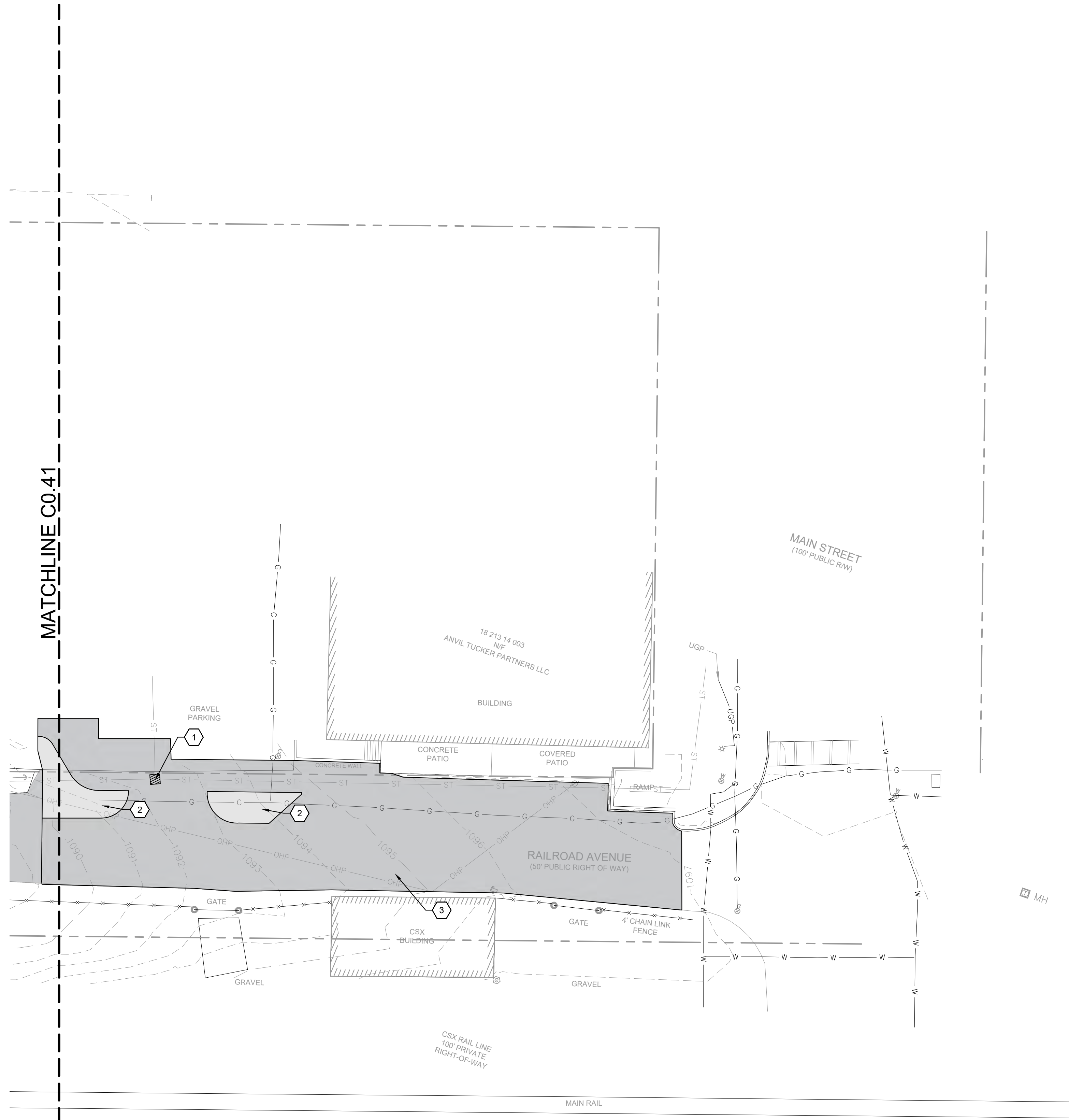
- PAVEMENT REMOVAL
- TREE REMOVAL
- GRAVEL REMOVAL



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PLOTTED:5/20/24



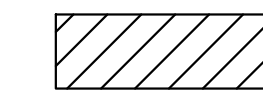


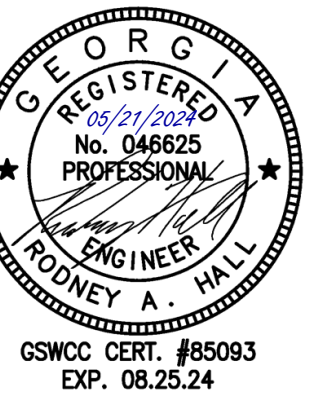
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3. CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS WITHIN PROJECT AREA. ANY AREAS THAT BECOME DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

DEMOLITION KEYNOTES	
1	REMOVE EXISTING STORM GRATE TOP
2	REMOVE EXISTING PAVEMENT AND SUBBASE
3	MILL EXISTING PAVEMENT FOR RESURFACING (1.5" DEPTH)

LEGEND


-  PAVEMENT REMOVAL
-  GRAVEL REMOVAL
-  GRATE INLET REMOVAL



DEMOLITION PLAN

CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

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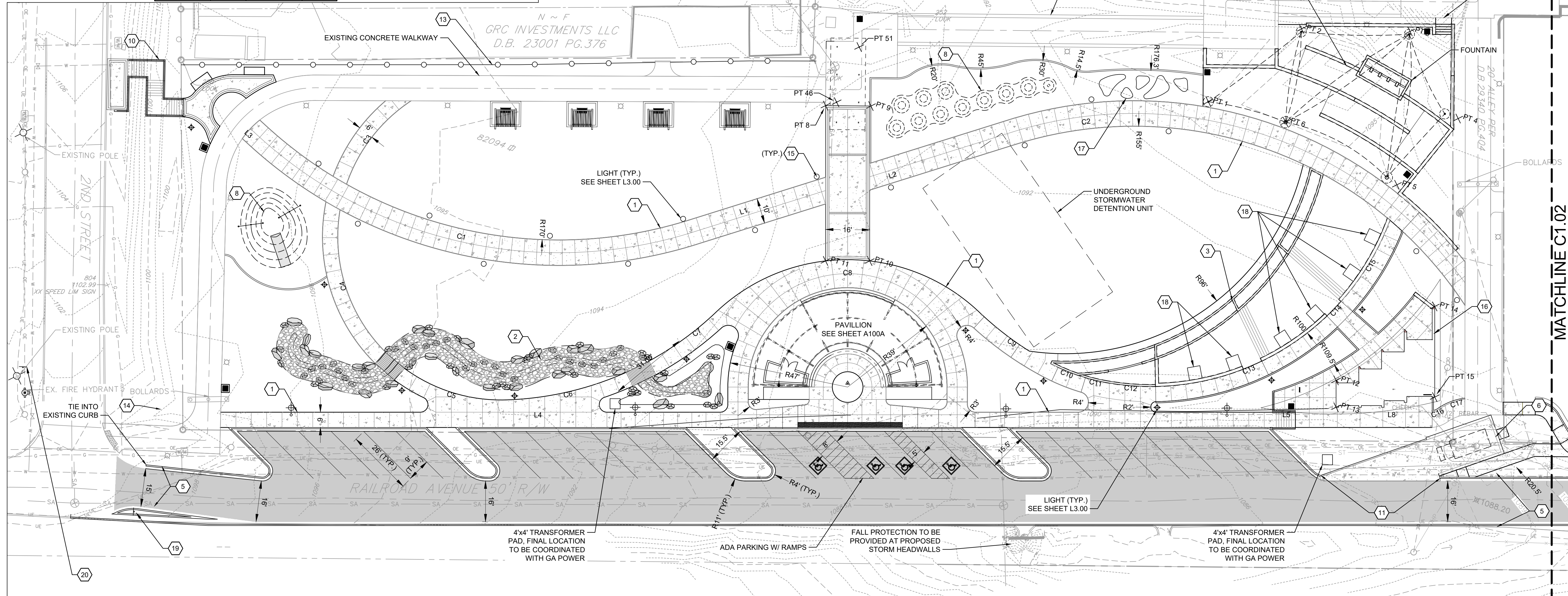
C0.42

PROJ. NO. : 3808805

Line #	Length	Direction
L1	54.651	N53° 49' 42.46"E
L2	58.542	S53° 49' 42.46"W
L3	1.995	N65° 37' 08.61"W
L4	412.834	N71° 14' 19.05"E
L5	9.001	N71° 14' 25.40"E
L8	53.527	N71° 14' 19.18"E

Line #/Curve #	Length	Direction/Delta	Radius
C1	184.947	060.5525	175.000
C2	200.106	071.6577	160.000
C3	39.231	033.5490	67.000
C4	64.904	055.5051	66.998
C5	44.607	038.1460	67.000
C6	50.053	022.4052	127.999
C7	33.445	014.9709	128.000
C8	109.512	087.1467	72.000
C9	35.436	015.8621	128.000
C10	15.266	011.2140	78.000
C11	8.756	006.4317	78.000
C12	20.002	011.1266	103.000
C13	76.608	042.6149	103.000
C14	8.241	004.5840	103.000
C15	37.366	020.7857	103.000

Line #/Curve #	Length	Direction/Delta	Radius
C16	5.277	030.8476	9.801
C17	8.754	025.1168	19.968



SITE KEYNOTES	
1	CONCRETE WALKWAY (SEE DETAIL 1/L7.01)
2	RIVER ROCK DRY STREAM (SEE DETAIL 8/L7.01)
3	WATER FEATURE (SEE SHEETS WF-0.1 - WF-6.0)
4	TERRACED ENTRY / DINING PLAZA WITH SHADE SAIL
5	CURB & GUTTER (SEE DETAIL 3/C7.04)
6	DUMPSTER PAD (SEE DETAIL 4/C7.03)
7	ADA CURB RAMP W/ DETECTIBLE WARNINGS (SEE DETAIL 5/C7.03)
8	RECREATION BERMS
9	SWING PAD
10	CONCRETE STAIRWAY (SEE DETAIL 1/L7.02)
11	CURB AND GUTTER TRANSITION (SEE DETAIL 2/C7.02)
12	MOUNTABLE CURB AND GUTTER (SEE DETAIL 4/C7.04)
13	WOODEN PRIVACY FENCE (SEE DETAIL 3/L7.06)
14	PARK MONUMENT (SEE DETAIL 4/L7.06)
15	SITE LIGHTING (SEE SHEET E100)
16	RESTROOM FACILITY (SEE ARCHITECTURAL SHEETS)
17	MODERN CONCRETE BENCHES
18	TREE PIT
19	DO NOT ENTER SIGN
20	NO LEFT TURN SIGN

Point Table		
Point #	Northing	Easting
1	1401466.1428	2281772.2648
2	1401504.9769	2281797.7021
3	1401517.7308	2281838.2984
4	1401491.4157	2281867.1862
5	1401459.0554	2281852.7940
6	1401468.3028	2281803.5405
8	1401416.3951	2281630.5539
9	1401421.9580	2281647.4623
10	1401364.2278	2281666.5438
11	1401358.6639	2281650.1637
12	1401378.6977	2281854.8941
13	1401368.7063	2281858.2879
14	1401418.6336	2281882.2093
15	1401384.9321	2281893.6569

Point Table		
Point #	Northing	Easting
16	1401335.2452	2281419.7987
17	1401334.4215	2281421.6161
18	1401352.5458	2281597.1422
19	1401384.8012	2281641.2596
20	1401395.5167	2281655.9157
21	1401430.0685	2281703.1740
22	1401431.1889	2281890.4876
23	1401223.2196	2281445.3279
24	1401355.9982	2281836.2262
25	1401358.8932	2281844.7499
26	1401376.1086	2281895.4319
27	1401379.5008	2281899.3905
28	1401385.0086	2281906.1039
29	1401316.9824	2281460.2211

Point Table		
Point #	Northing	Easting
30	1401266.5185	2281496.9180
31	1401262.7811	2281506.1933
32	1401263.8574	2281549.9676
33	1401289.9799	2281592.2899
34	1401297.0663	2281599.3456
35	1401324.3348	2281618.5462
36	1401356.2584	2281712.5290
37	1401346.0011	2281746.3302
38	1401345.1123	2281761.5462
39	1401345.9480	2281770.2574
40	1401350.8670	2281789.6130
41	1401400.1041	2281845.9951
42	1401407.5540	2281849.5120
43	1401443.8228	2281857.6096

Point Table		
Point #	Northing	Easting
44	1401327.3166	2281459.5276
45	1401364.2265	2281471.0722

- SITE NOTES**
- CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
 - CONTRACTOR TO PROVIDE SMOOTH, STRAIGHT SAW-CUT LINES ALONG ALL AREAS OF CURB AND PAVEMENT REMOVAL.
 - CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS WITHIN PROJECT AREA. ANY AREAS THAT BECOME DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
 - CONTRACTOR TO FIELD LOCATE ATT LINE. CONTACT UTILITY PROVIDER IF RELOCATION IS REQUIRED.
 - CONTRACTOR IS TO REFERENCE UNITED CONSULTING GEOTECHNICAL EXPLORATION REPORT (10.23.2023) AND ADDENDUM #1 (03.18.2024) FOR THE TUCKER TOWN

LEGEND

	CONCRETE SIDEWALK
	ASPHALT PAVEMENT
	CONCRETE PAVERS

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SITE LAYOUT PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

CONTRACTOR IS TO REFERENCE UNITED CONSULTING GEOTECHNICAL EXPLORATION REPORT (10.23.2023) AND ADDENDUM #1 (03.18.2024) FOR THE TUCKER TOWN GREEN PARK SITE FOR SOIL REMEDIATION AREAS.

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SAVED:5/20/24
PLOTTED:5/20/24



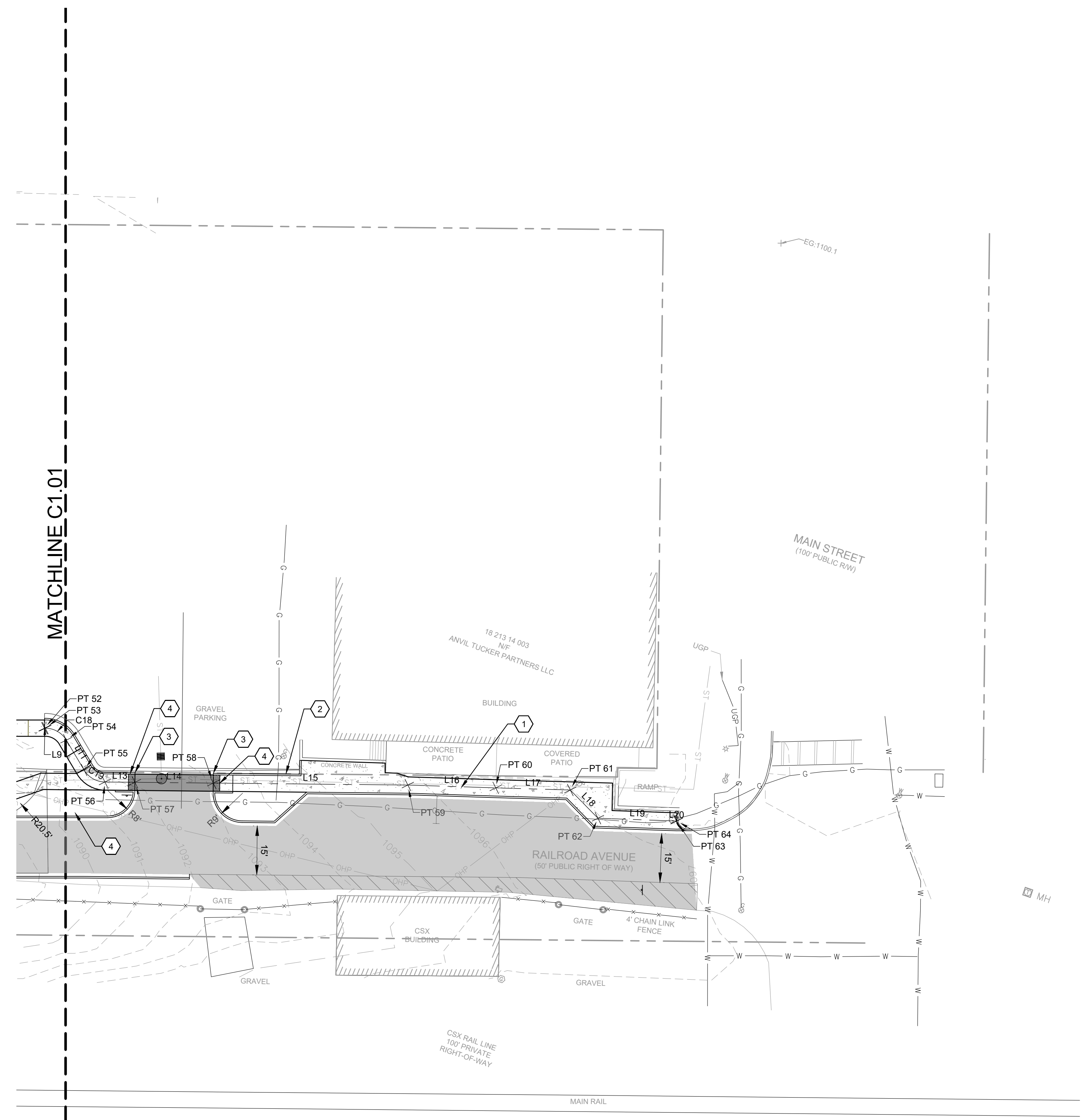
SITE LAYOUT PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

SITE KEYNOTES	
①	CONCRETE WALKWAY (SEE DETAIL 1/L7.01)
②	CURB & GUTTER
③	CURB AND GUTTER TRANSITION (SEE DETAIL 2/C7.02)
④	ADA CURB RAMP W/ DETECTIBLE WARNINGS (SEE DETAIL 5/C7.03)
⑤	ONE-WAY SIGN

LEGEND

- TYPICAL CONCRETE SIDEWALK
- HEAVY DUTY SIDEWALK
- ASPHALT PAVEMENT

Point Table		
Point #	Northing	Easting
52	1401393.3498	2281932.4430
53	1401393.4327	2281932.6883
54	1401392.0318	2281939.9607
55	1401385.1140	2281948.0630
56	1401383.6922	2281955.2728
57	1401386.5640	2281964.0183
58	1401394.0516	2281986.8204
59	1401412.6623	2282043.4963
60	1401420.5135	2282069.2729
61	1401427.2400	2282091.1272
62	1401421.7734	2282101.9393
63	1401428.7136	2282124.9909
64	1401428.7557	2282125.1152



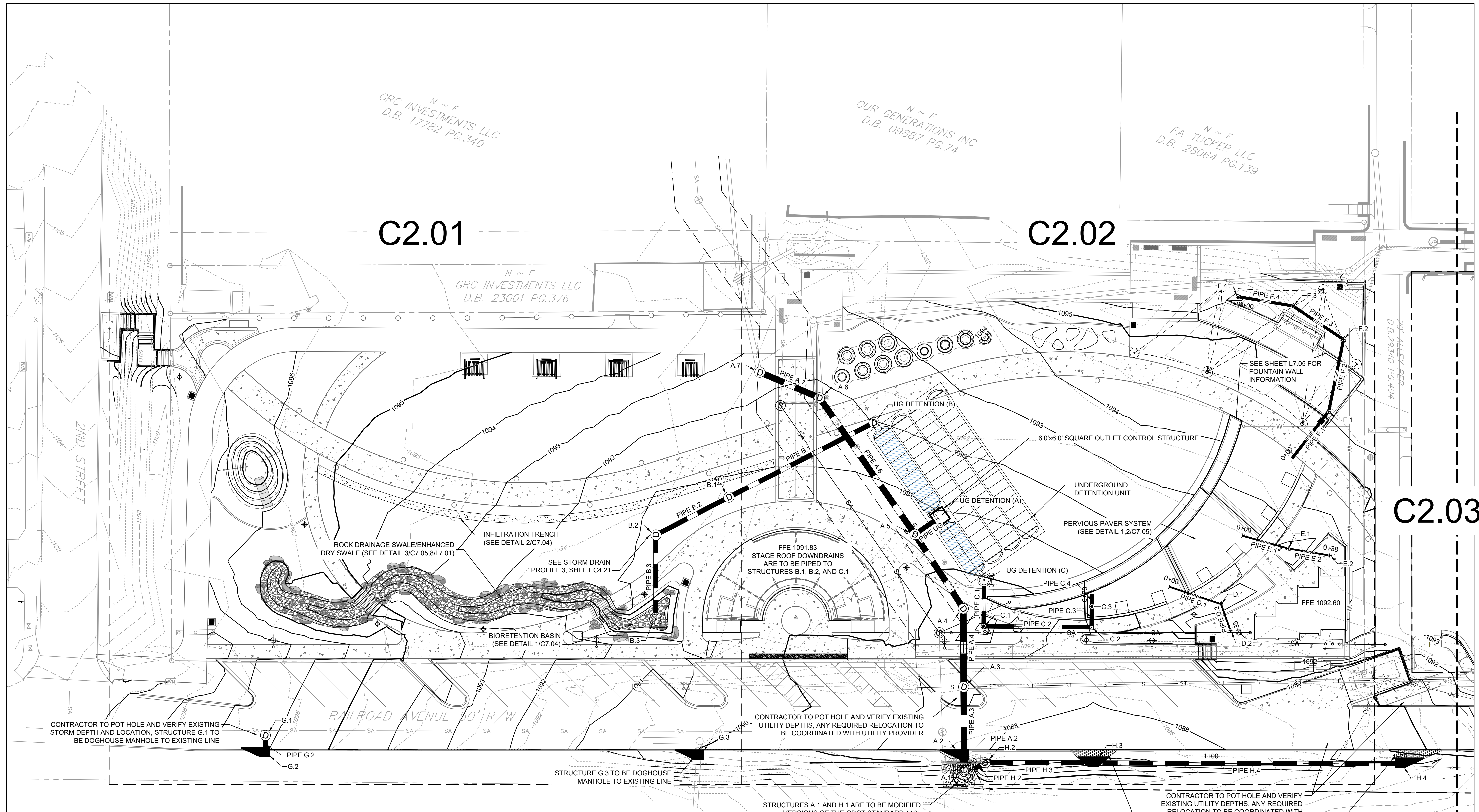
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REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

C1.02
PROJ. NO. : 3808805

USER:RAHALL
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SAVED:5/6/2024
PLOTTED:5/6/2024

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID



GRADING AND DRAINAGE NOTES

- SEE SHEET C0.01 FOR ADDITIONAL GRADING AND DRAINAGE NOTES.
- CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR TO INSTALL STRUCTURE CASTINGS FLUSH WITH FINISHED GRADE.
- ROOF DRAIN DOWNSPOUTS SPLASH ON GRADE. SEE ARCHITECTURAL PLANS FOR LOCATION AND ADDITIONAL INFORMATION.
- STORM STRUCTURES SHALL COMPLY WITH DEKALB COUNTY DEVELOPMENT SPECIFICATIONS
- TRAFFIC CONTROL PLAN TO BE PROVIDED BY CONTRACTOR.

ABBREVIATIONS

FFE	FINISHED FLOOR ELEVATION
HP	HIGH POINT
IE	INVERT ELEVATION
G	GUTTER
T	TOP OF CURB
B	BOTTOM OF CURB
TW	TOP OF WALL
BW	BOTTOM OF WALL
TS	TOP OF STAIRS
BS	BOTTOM OF STAIRS

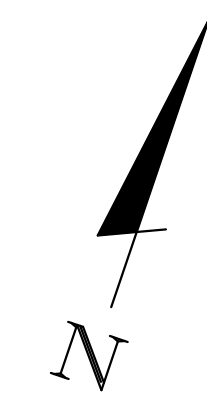
SITE NOTES

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- CONTRACTOR TO PROVIDE SMOOTH, STRAIGHT SAW-CUT LINES ALONG ALL AREAS OF CURB AND PAVEMENT REMOVAL.
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LEGEND

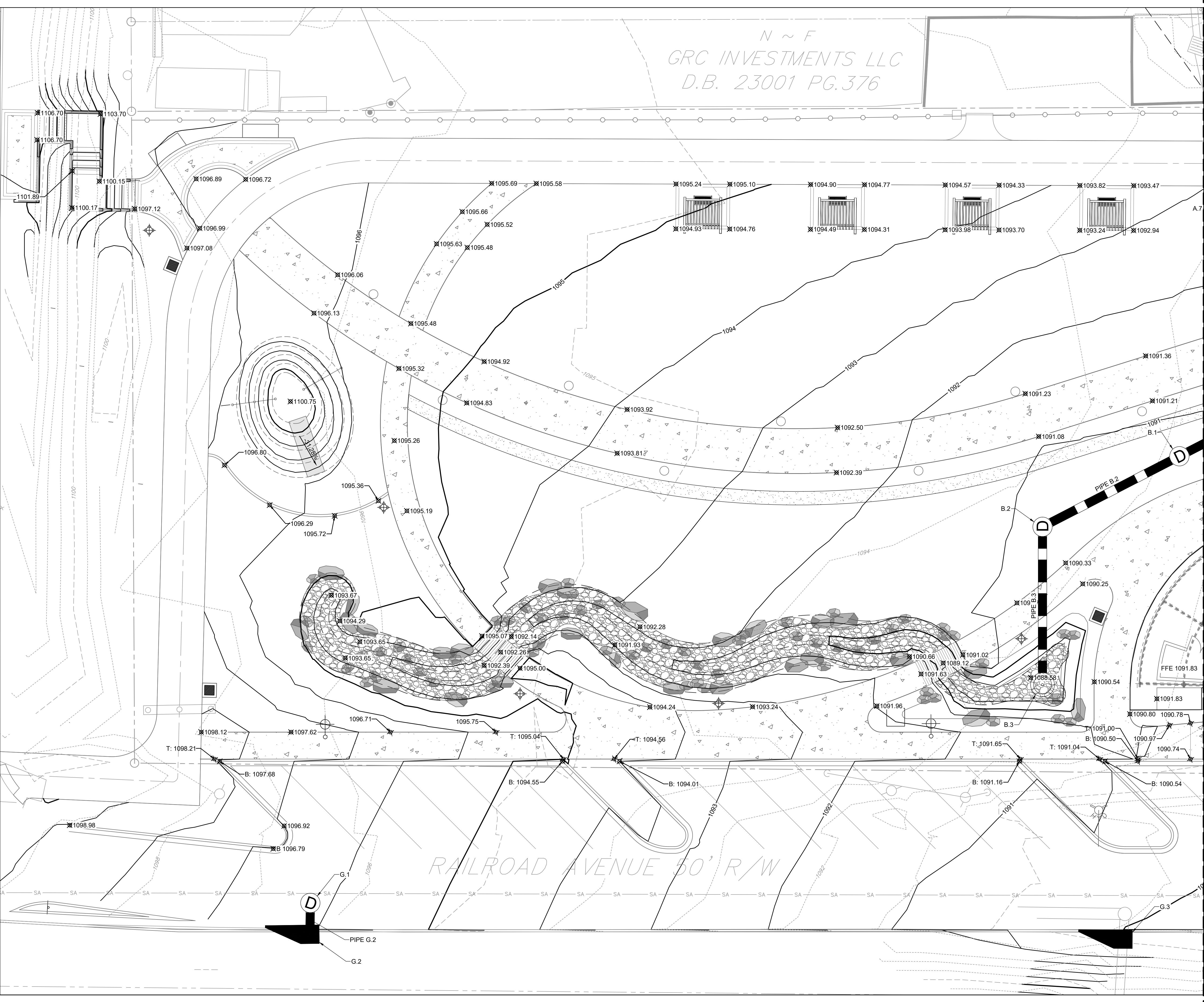
- 465 — PROPOSED MINOR CONTOUR
- 465 — PROPOSED MAJOR CONTOUR
- ▲ 464 PROPOSED SPOT ELEVATION
- 465 — EXISTING MINOR CONTOUR
- 465 — EXISTING MAJOR CONTOUR

THROATS FOR STRUCTURES H.3 AND H.4 ARE TO BE EXTENDED TO FLOW LINE OF CURB AND GUTTER



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GRADING AND DRAINAGE NOTES

- SEE SHEET C0.01 FOR ADDITIONAL GRADING AND DRAINAGE NOTES.
- CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
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ABBREVIATIONS

- FFE FINISHED FLOOR ELEVATION
- HP HIGH POINT
- IE INVERT ELEVATION
- G GUTTER
- T TOP OF CURB
- B BOTTOM OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- TS TOP OF STAIRS
- BS BOTTOM OF STAIRS

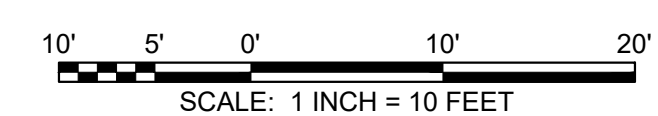
LEGEND

- 465 PROPOSED MINOR CONTOUR
- 465 PROPOSED MAJOR CONTOUR
- 464 PROPOSED SPOT ELEVATION
- 465 EXISTING MINOR CONTOUR
- 465 EXISTING MAJOR CONTOUR

SITE NOTES

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ENLARGED GRADING & DRAINAGE PLAN
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION	ISSUED FOR BID
0		RAH	05/21/2024		

C2.01
 PROJ. NO. : 3808805

USER:RAHALL
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 SAVED:5/21/2024
 PLOTTED:5/21/2024

CONTRACTOR IS TO REFERENCE UNITED CONSULTING GEOTECHNICAL EXPLORATION REPORT (10.23.2023) AND ADDENDUM #1 (03.18.2024) FOR THE TUCKER TOWN GREEN PARK SITE FOR SOIL REMEDIATION AREAS.



GRADING AND DRAINAGE NOTES

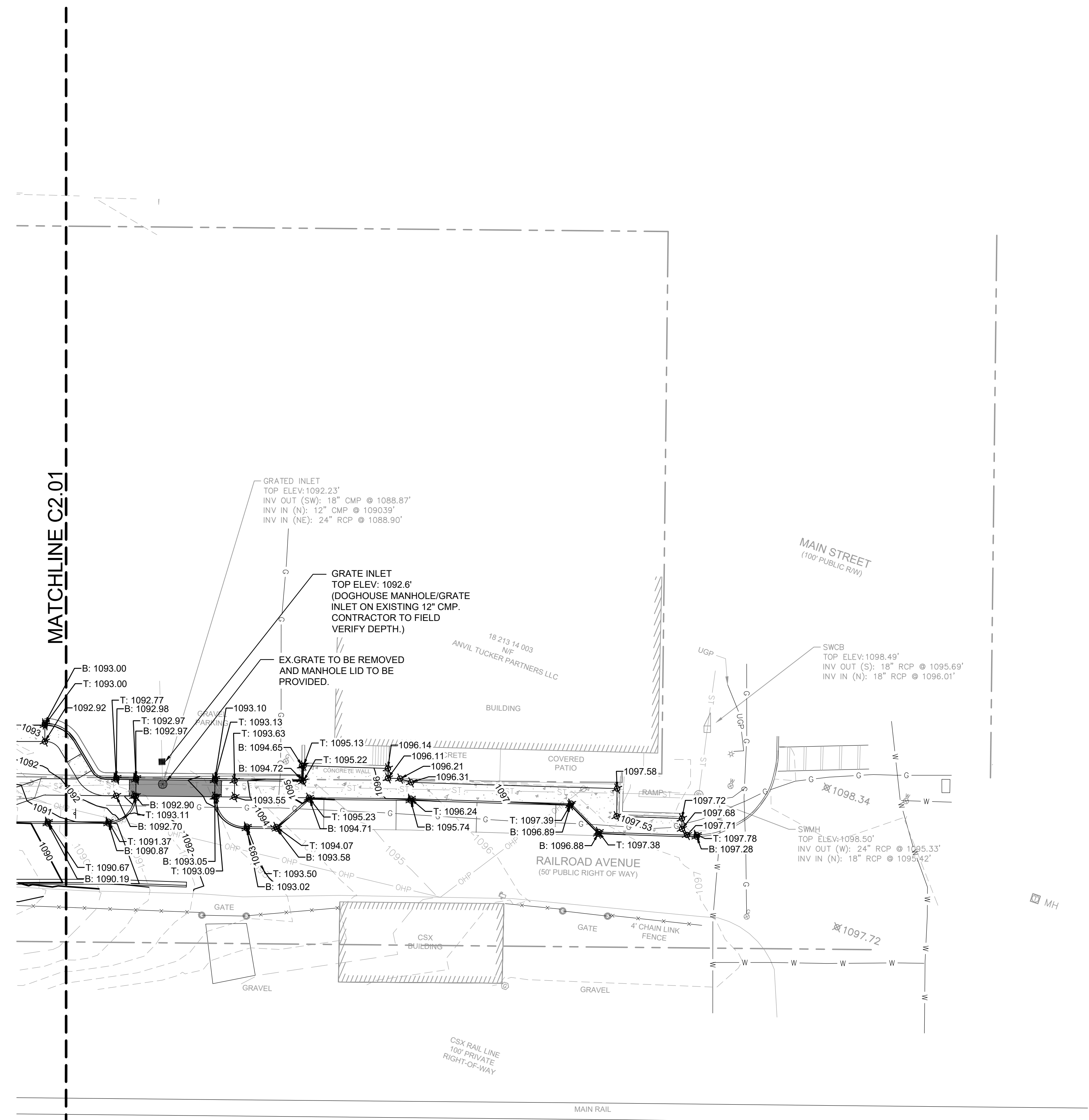
- SEE SHEET C0.01 FOR ADDITIONAL GRADING AND DRAINAGE NOTES.
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ABBREVIATIONS

- FFE FINISHED FLOOR ELEVATION
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LEGEND

- 465 — PROPOSED MINOR CONTOUR
- 465 — PROPOSED MAJOR CONTOUR
- ▲ 464 PROPOSED SPOT ELEVATION
- 465 — EXISTING MINOR CONTOUR
- 465 — EXISTING MAJOR CONTOUR



MATCHLINE C2.01

GRADING & DRAINAGE PLAN
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

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SCALE: 1 INCH = 20 FEET

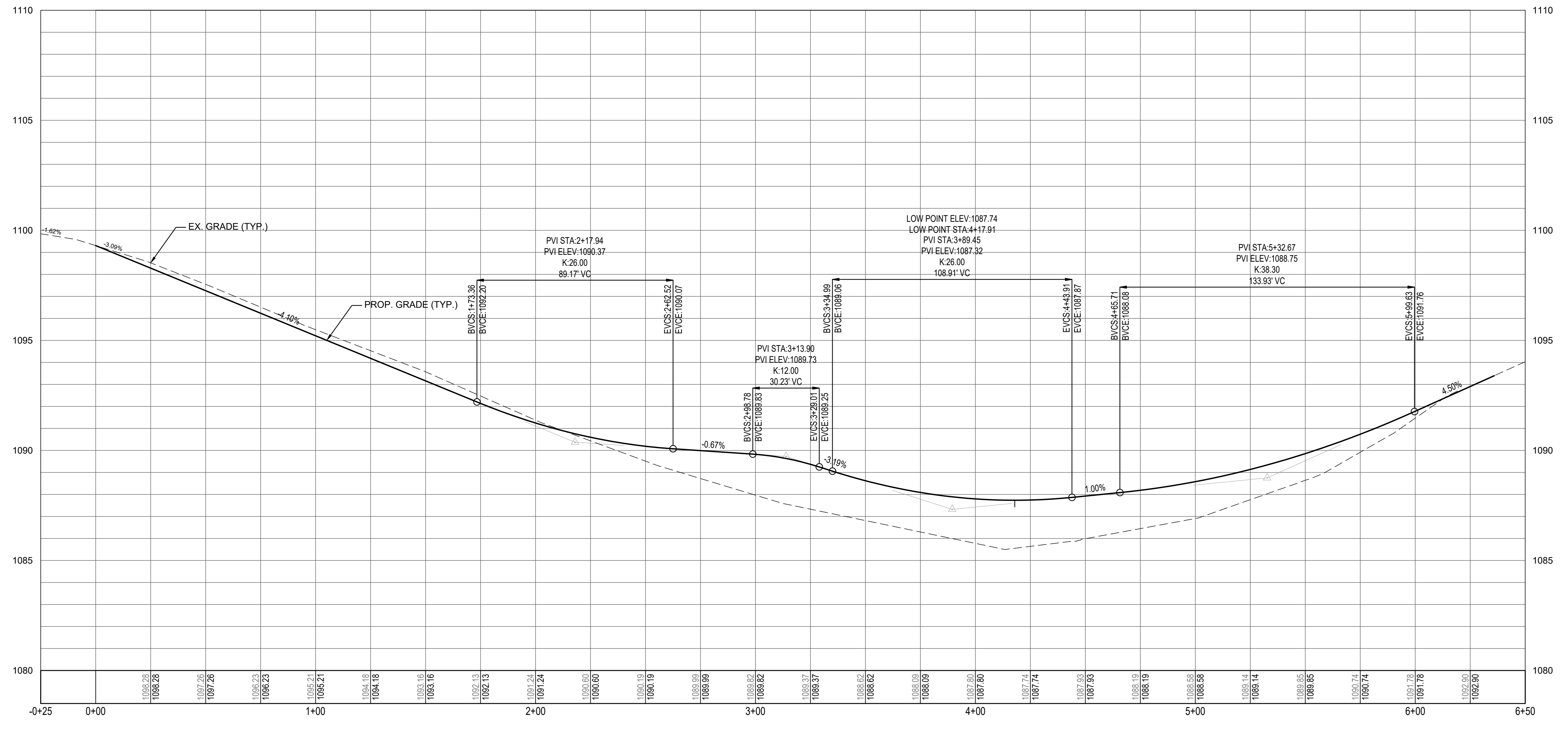
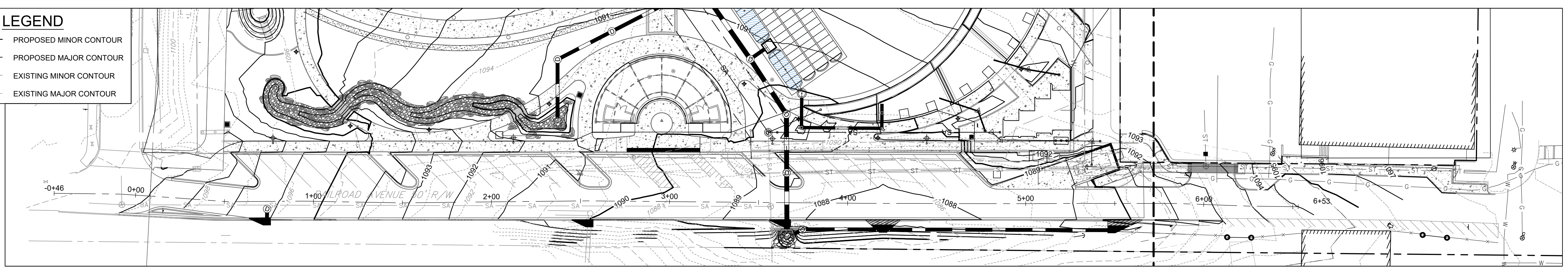
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PROJ. NO. : 3808805

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LEGEND

- 465 — PROPOSED MINOR CONTOUR
- 465 — PROPOSED MAJOR CONTOUR
- - - 465 - - - EXISTING MINOR CONTOUR
- - - 465 - - - EXISTING MAJOR CONTOUR



RAILROAD AVENUE PROFILE STA. -0+25 TO 6+50
SCALE: 1"=20' H
1"=2' V

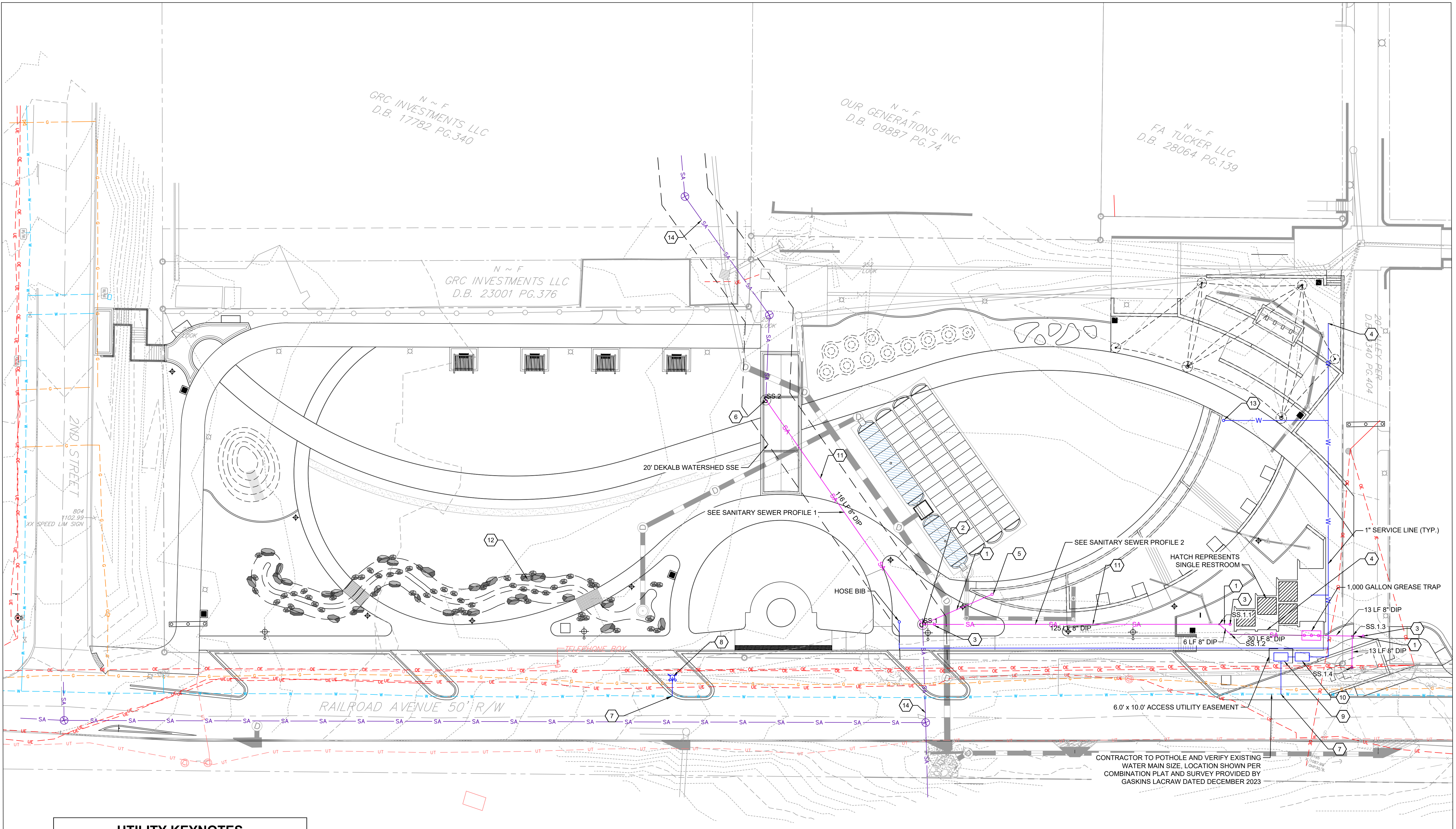
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Scale: 1" = 30' FEET

USER:RAHALL
FILE:3808805\380880504_CADD\CIVIL\LOT3808805_C2.01 - Grading & Drainage Plan.dwg
SAVED:5/20/24
PLOTTED:5/6/2024



SITE UTILITY PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



UTILITY KEYNOTES

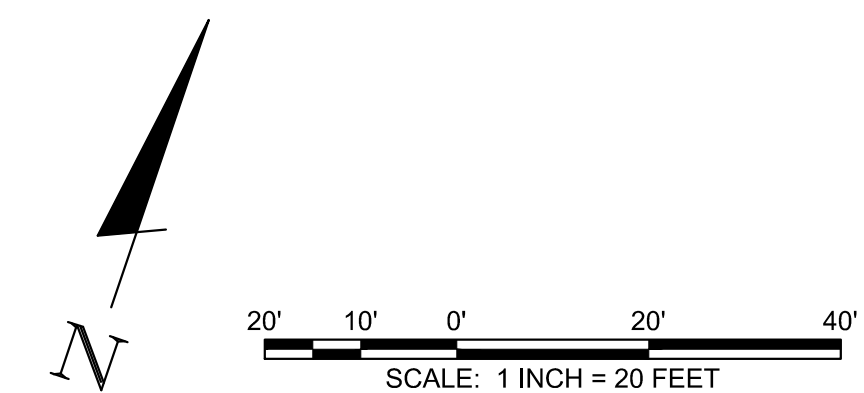
1	6" DIP SANITARY SEWER LINE
2	SANITARY SEWER MANHOLE
3	SANITARY SEWER CLEAN OUT
4	WATER SERVICE CONNECTION
5	SANITARY SERVICE CONNECTION
6	SANITARY SERVICE TIE TO EXISTING
7	WATERLINE TAP
8	RELOCATED FIRE HYDRANT ASSEMBLY
9	1" WATER METER WITH BOX
10	BACKFLOW PREVENTION
11	8" SANITARY SEWER LINE
12	ROCK DRAINAGE SWALE
13	HOSE BIB
14	EX. 8" DIP SEWER MAIN

UTILITY NOTES

- ALL WORK ASSOCIATED WITH THE WATER AND SEWER IMPROVEMENTS SHALL COMPLY WITH DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DEVELOPMENT REGULATIONS.
- CONTRACTOR TO COORDINATE WITH DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT ON WATER METER INSTALLATION, AND BYPASS PUMPING OF EXISTING SEWER UNTIL NEW LINE HAS BEEN TESTED AND ACCEPTED BY THE DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DIVISION.

LEGEND:

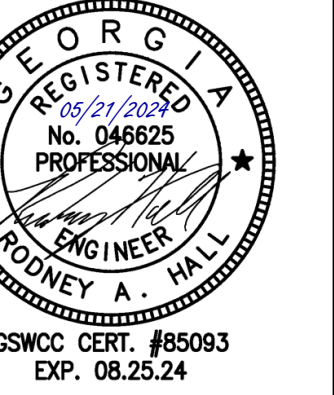
- EXISTING WATER LINE
- EXISTING OVERHEAD POWER
- PROPOSED WATER LINE
- PROPERTY LINE
- PROPOSED SANITARY SEWER LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND POWER
- EXISTING SANITARY SEWER LINE



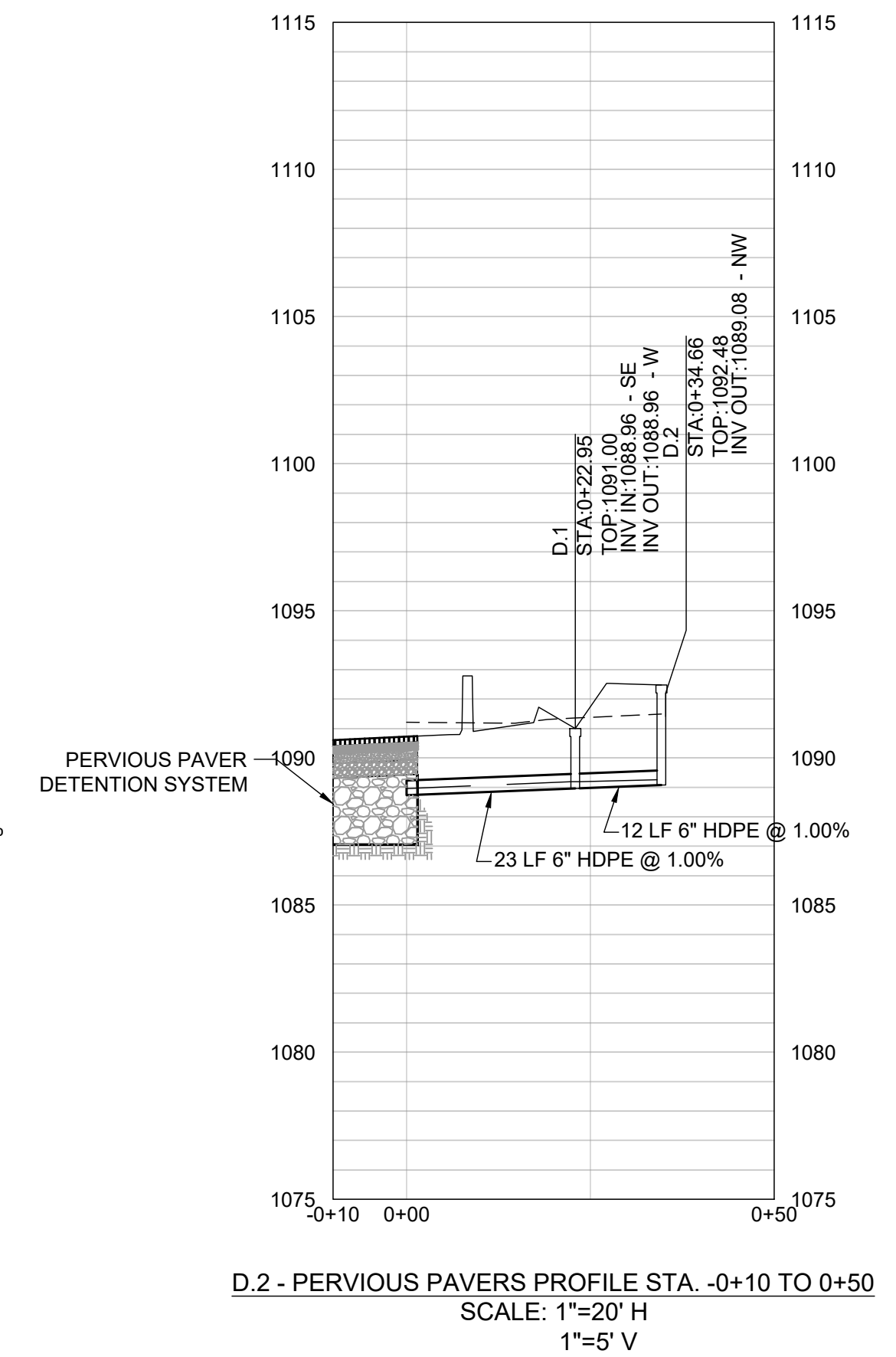
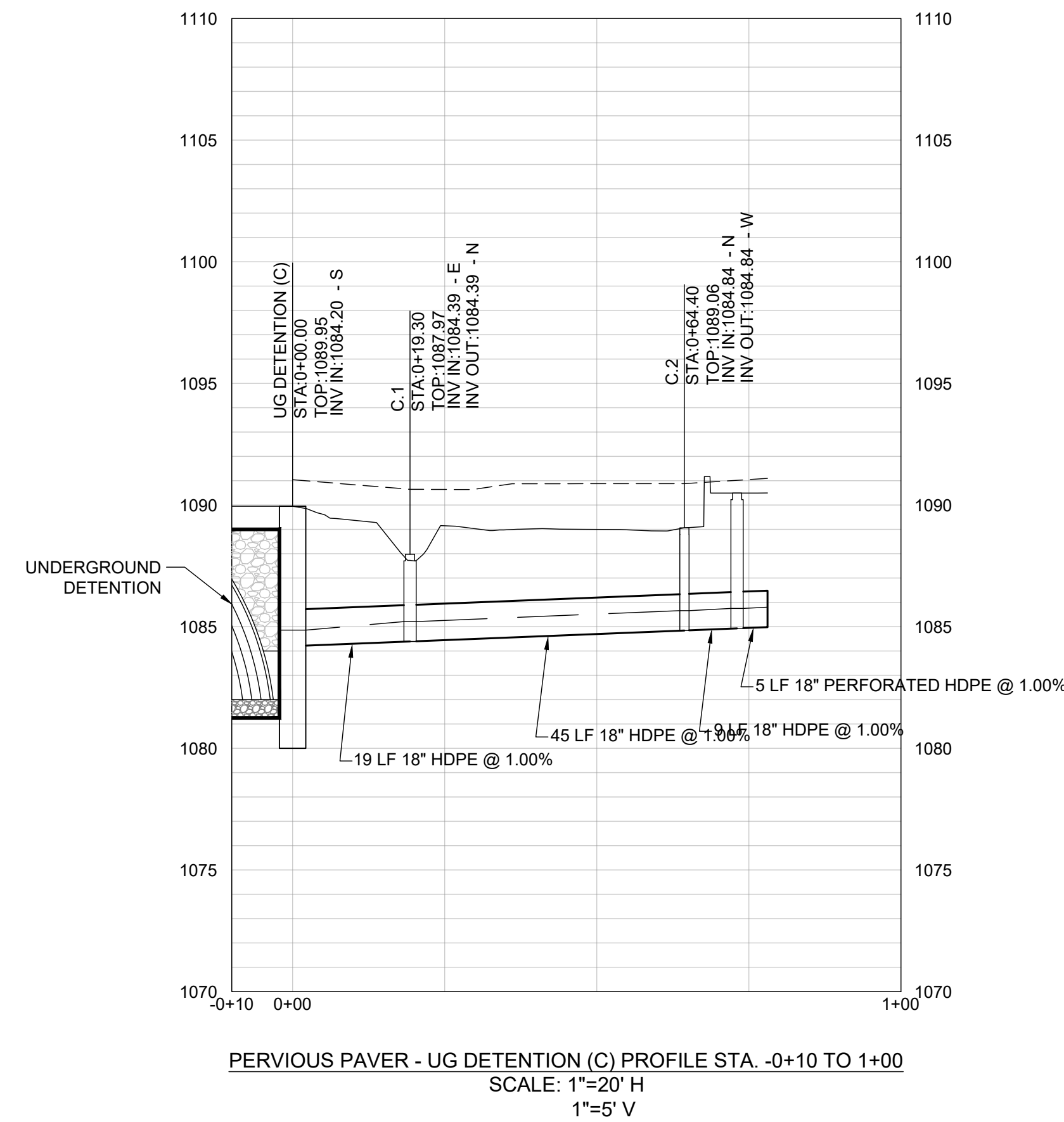
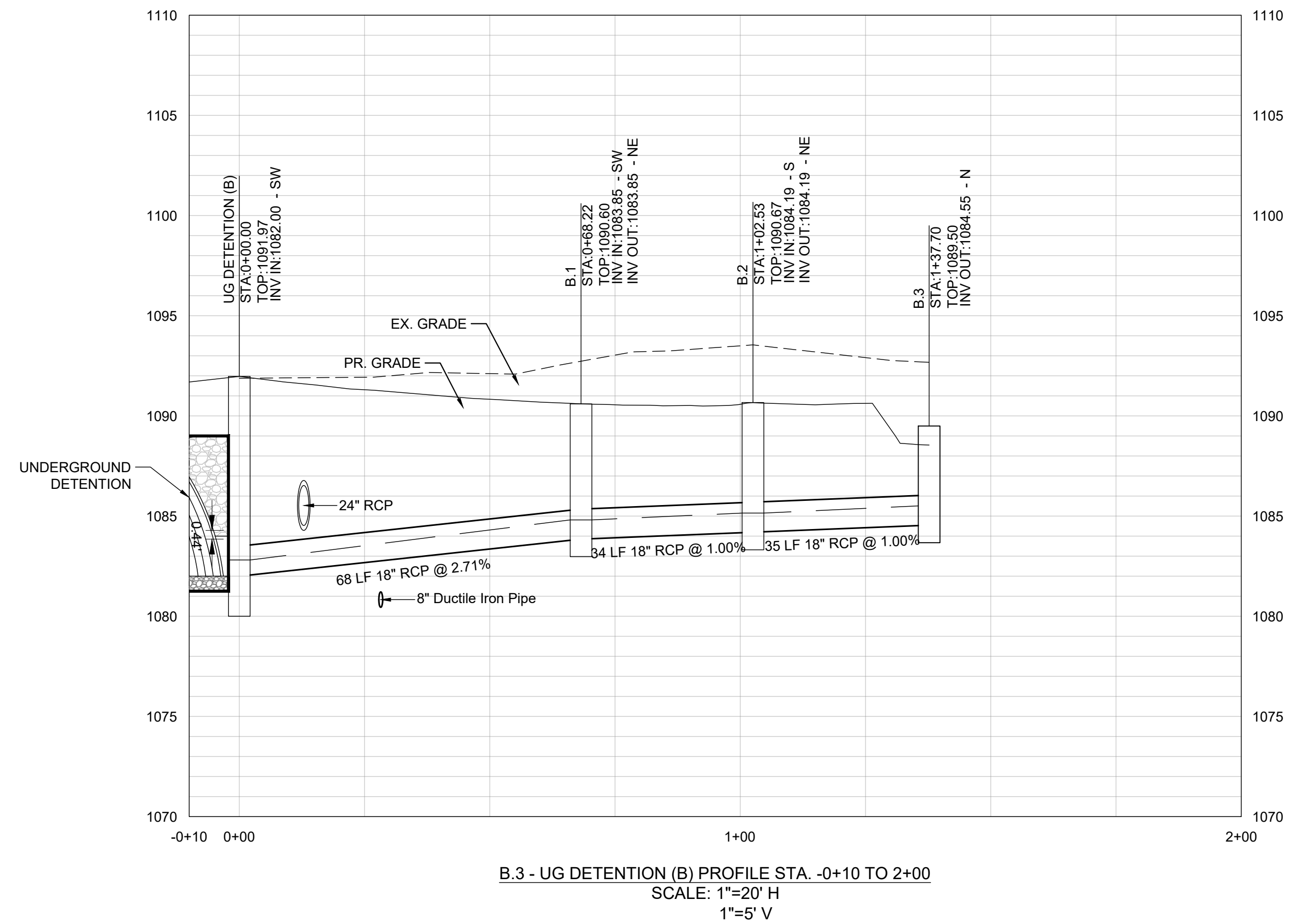
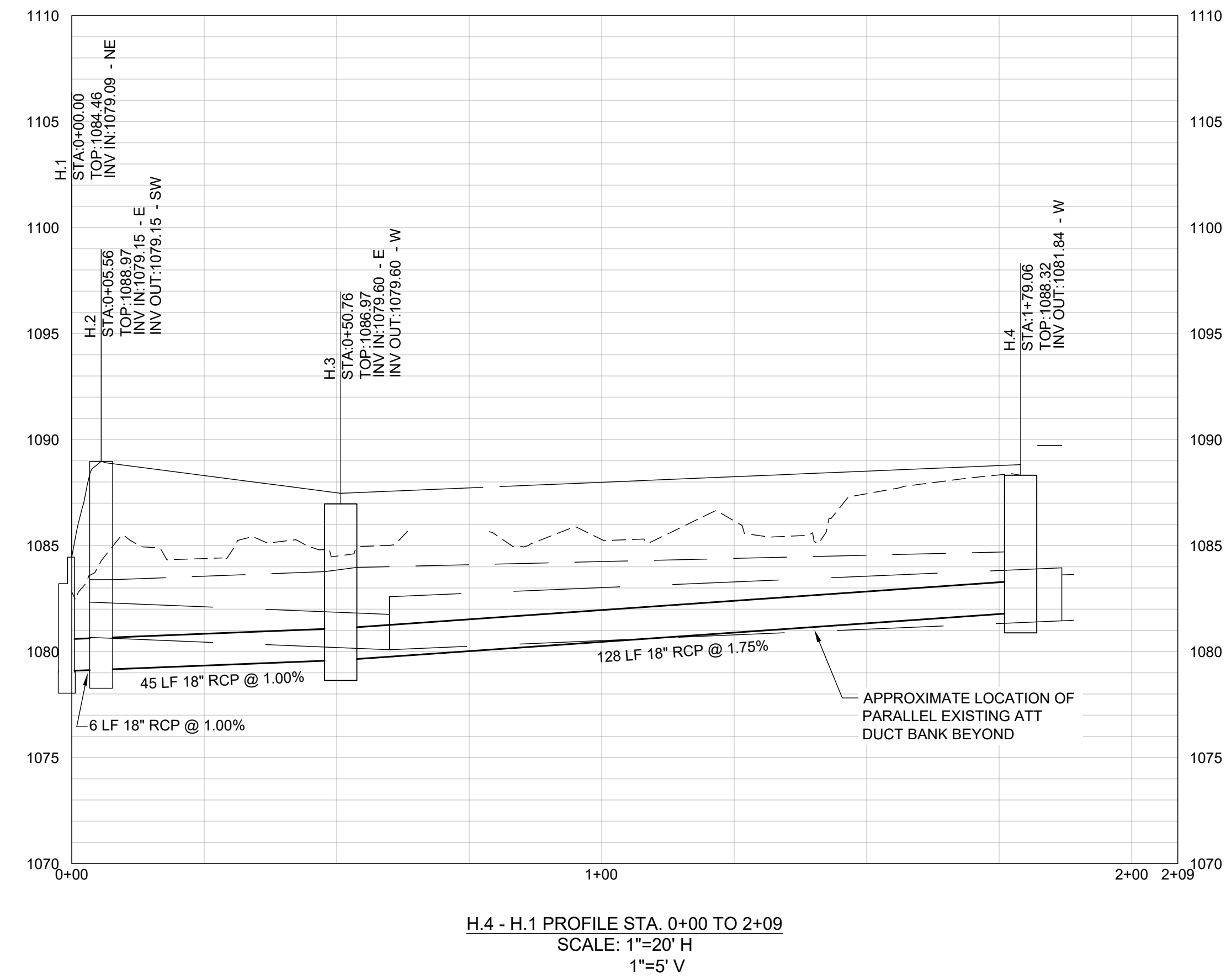
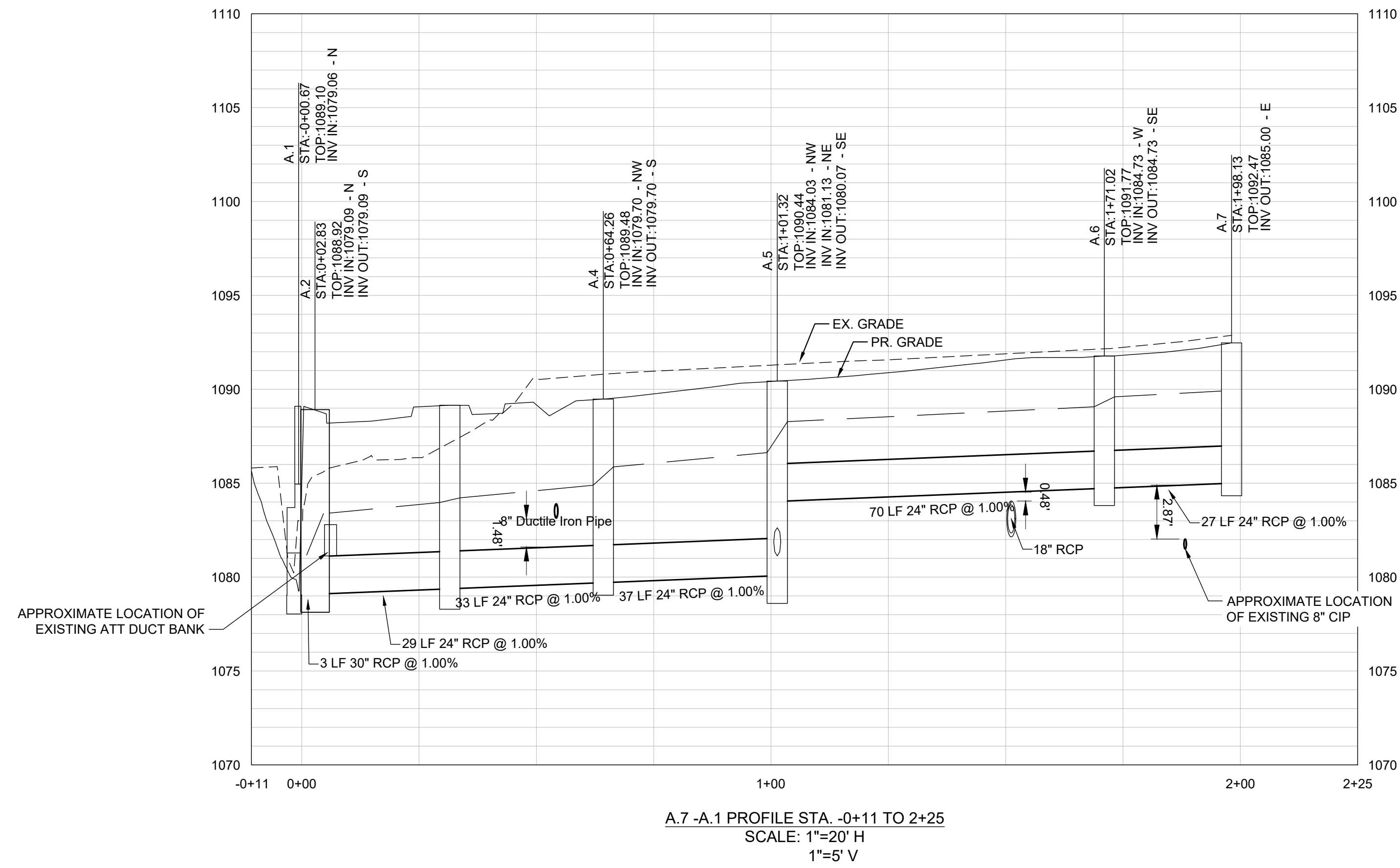
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SAVED:5/6/2024
PLOTTED:5/6/2024

REVISION INFORMATION
REV. OR. CHK. DATE DESCRIPTION
0 RAH RAH 05/21/2024 ISSUED FOR BID

C3.01
PROJ. NO. : 3808805



STORM DRAIN PROFILES
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



REV.	DR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

C4.01

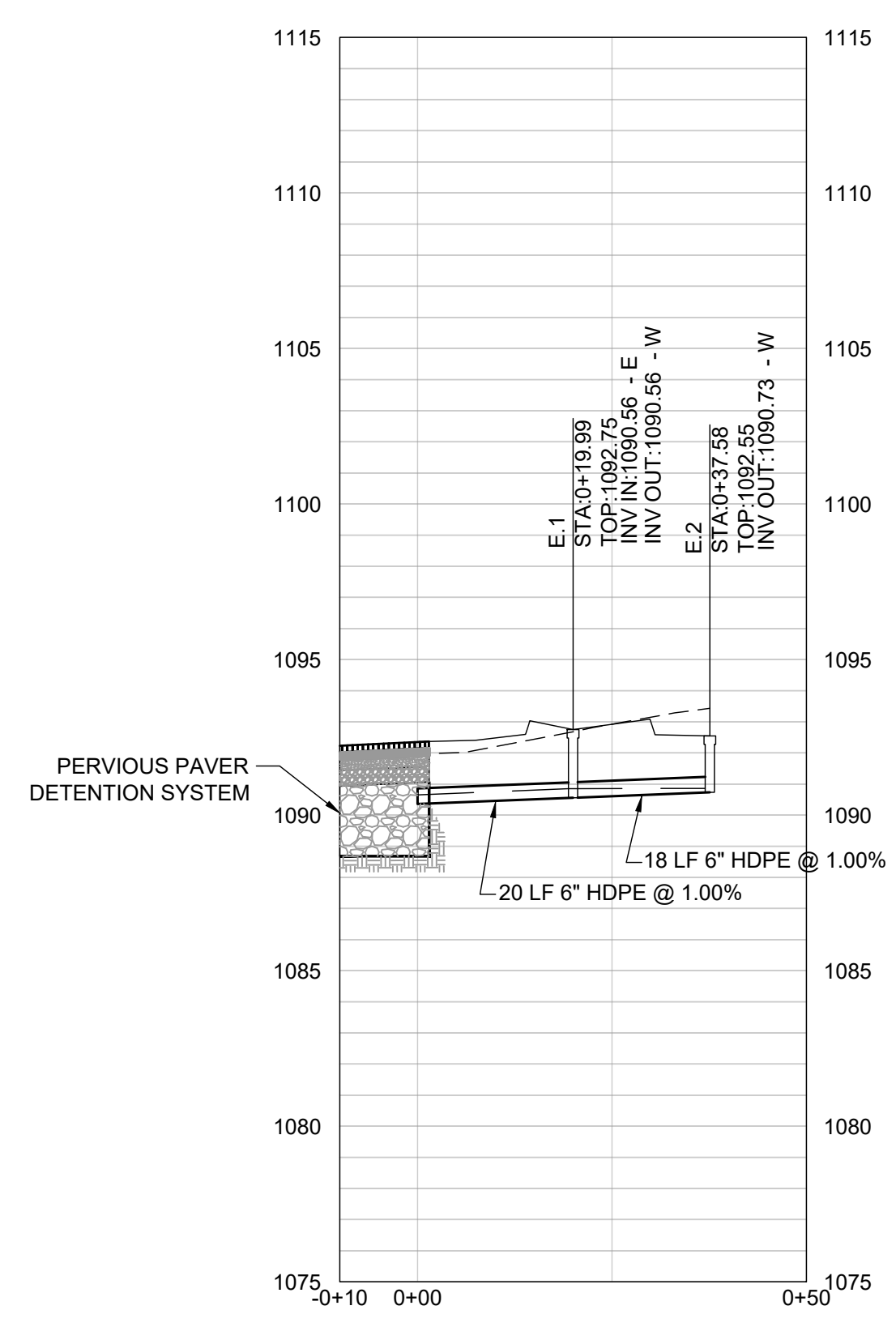
PROJ. NO. : 3808805



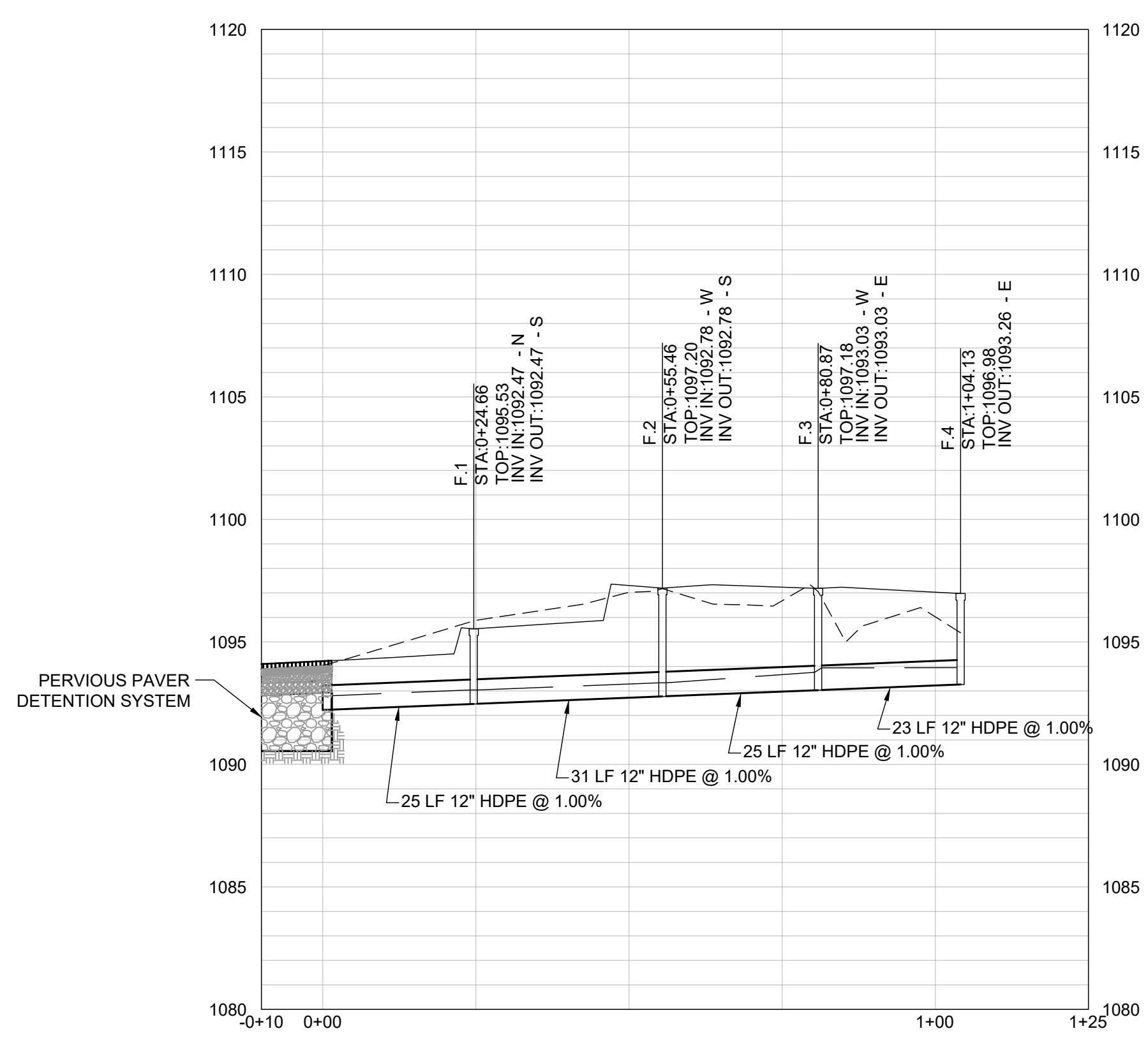
STORM DRAIN PROFILES
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	DR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

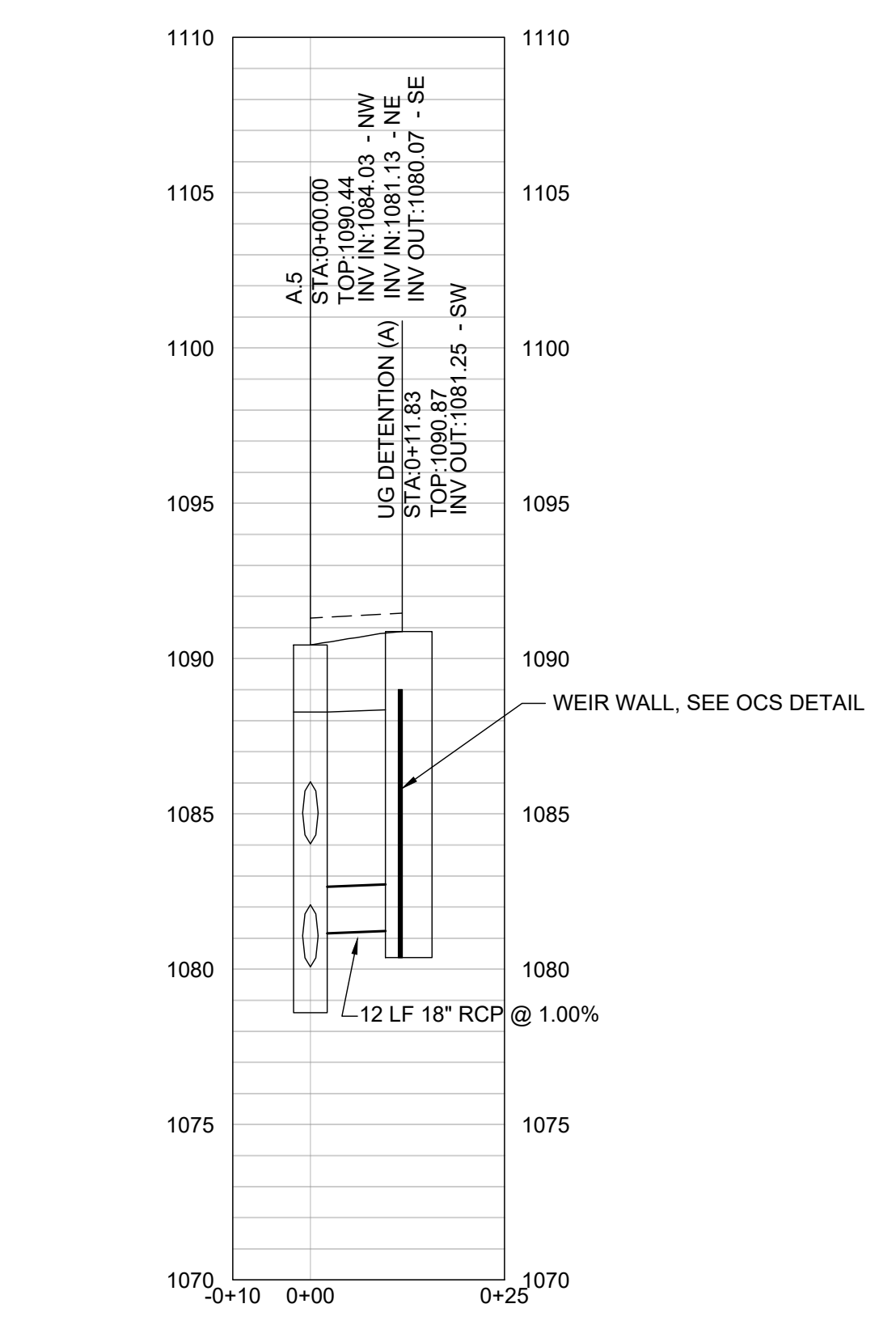
C4.02
PROJ. NO. : 3808805



E.2 - PERVIOUS PAVERS PROFILE STA. -0+10 TO 0+50
SCALE: 1"=20' H
1"=5' V



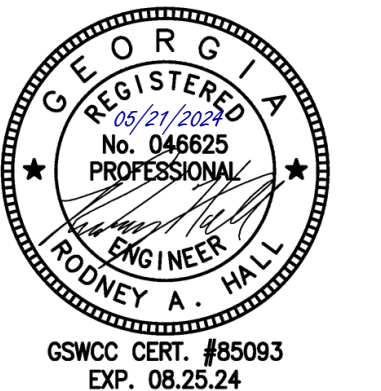
F.4 - PERVIOUS PAVERS PROFILE STA. -0+10 TO 1+25
SCALE: 1"=20' H
1"=5' V



UG DETENTION (A) - A.5 PROFILE STA. -0+10 TO 0+25
SCALE: 1"=20' H
1"=5' V

Structure Table					
Node	Description	Rim Elev (ft)	Sump Elev (ft)	Northing	Easting
A.1	GDOT 1125 HW	1084.96	???	1401280.4991	2281760.0826
A.2	GDOT 1033D SWCB	1088.92	1079.09	1401283.8197	2281758.9841
A.3	GDOT 1011A JB	1089.15	1078.96	1401310.9467	2281749.6011
A.4	GDOT 1011A JB	1089.48	1079.70	1401341.8903	2281738.9586
A.5	GDOT 1011A JB	1090.44	1079.27	1401364.7494	2281709.7819
A.6	GDOT 1011A JB	1091.77	1084.48	1401406.0058	2281653.6108
A.7	GDOT 1011A JB	1092.47	1085.00	1401408.0775	2281626.5739
B.1	GDOT 1011A JB	1090.60	1083.64	1401354.4276	2281631.1731
B.2	GDOT 1011A JB	1090.67	1083.99	1401329.7355	2281607.3525
B.3	GDOT 1019A PEDESTAL TOP	1089.50	1084.34	1401296.4304	2281618.6654
C.1	ADS Nyloplast Structure	1087.97	1084.39	1401337.6331	2281749.3200
C.2	ADS Nyloplast Structure	1089.06	1084.84	1401351.7285	2281792.1562
C.3	ADS Nyloplast Structure	1090.49	1084.93	1401359.9556	2281789.4490
D.1	ADS Nyloplast Structure	1091.00	1088.96	1401378.2681	2281840.3161
D.2	ADS Nyloplast Structure	1092.48	1089.08	1401369.0950	2281847.5948
E.1	ADS Nyloplast Structure	1092.75	1090.56	1401409.3523	2281859.3597
E.2	ADS Nyloplast Structure	1092.55	1090.73	1401412.1885	2281876.7168
F.1	ADS Nyloplast Structure	1095.53	1092.47	1401468.8913	2281856.9780
F.2	ADS Nyloplast Structure	1097.20	1092.78	1401499.4540	2281853.1689
F.3	ADS Nyloplast Structure	1097.18	1093.03	1401505.9636	2281828.6074
F.4	ADS Nyloplast Structure	1096.98	1093.26	1401502.2475	2281805.6467
G.1	GDOT 1011A JB	1094.38	1090.97	1401197.9285	2281479.8294
G.2	GDOT 1033D SWCB	1094.46	1091.04	1401190.8173	2281482.1381
G.3	GDOT 1033D SWCB	1089.15	1086.50	1401248.0704	2281654.0328
H.1	GDOT 1125 HW	1084.46	???	1401279.6065	2281764.5397
H.2	GDOT 1011A JB	1088.97	1078.94	1401283.7761	2281768.2171
H.3	GDOT 1034D DWCB	1086.97	1079.60	1401298.2620	2281811.0383
H.4	GDOT 1033D SWCB	1088.32	1081.84	1401339.1561	2281932.6419
UG DETENTION (A)	6'x6' SQUARE OCS	1090.87	1081.04	1401374.2875	2281716.7874
UG DETENTION (B)	GDOT 1011A JB	1091.97	1080.67	1401403.5260	2281678.5387
UG DETENTION (C)	GDOT 1019A GRATE INLET	1089.95	1080.67	1401355.9704	2281743.2860

Pipe Table										
Pipe Label	Upstream Node	Upstream Invert (ft)	Downstream Node	Downstream Invert (ft)	Length (ft)	Slope (ft/ft)	Size (in)	Area in Pipe	Pipe Type	
PIPE A.2	A.2	1079.09	A.1	1079.06	3	0.010	30	61.69	Reinforced Concrete Pipe	
PIPE A.3	A.3	1079.38	A.2	1079.09	29	0.010	24	39.48	Reinforced Concrete Pipe	
PIPE A.4	A.4	1079.70	A.3	1079.38	33	0.010	24	39.48	Reinforced Concrete Pipe	
PIPE A.5	A.5	1080.07	A.4	1079.70	37	0.010	24	39.48	Reinforced Concrete Pipe	
PIPE A.6	A.6	1084.73	A.5	1084.03	70	0.010	24	39.48	Reinforced Concrete Pipe	
PIPE A.7	A.7	1085.00	A.6	1084.73	27	0.010	24	39.48	Reinforced Concrete Pipe	
PIPE B.1	B.1	1083.85	UG DETENTION (B)	1082.00	68	0.027	18	22.21	RCP	
PIPE B.2	B.2	1084.19	B.1	1083.85	34	0.010	18	22.21	RCP	
PIPE B.3	B.3	1084.55	B.2	1084.19	35	0.010	18	22.21	RCP	
PIPE C.1	C.1	1084.39	UG DETENTION (C)	1084.20	19	0.010	18	22.21	HDPE	
PIPE C.2	C.2	1084.84	C.1	1084.39	45	0.010	18	22.21	HDPE	
PIPE C.3	C.3	1084.93	C.2	1084.84	9	0.010	18	22.21	HDPE	
PIPE C.4		1084.98	C.3	1084.93	5	0.010	18	22.21	HDPE	
PIPE D.1	D.1	1088.96		1088.73	23	0.010	6	2.47	HDPE	
PIPE D.2	D.2	1089.08	D.1	1088.96	12	0.010	6	2.47	HDPE	
PIPE E.1	E.1	1090.56		1090.36	20	0.010	6	2.47	HDPE	
PIPE E.2	E.2	1090.73	E.1	1090.56	18	0.010	6	2.47	HDPE	
PIPE F.1	F.1	1092.47		1092.22	25	0.010	12	9.87	HDPE	
PIPE F.2	F.2	1092.78	F.1	1092.47	31	0.010	12	9.87	HDPE	
PIPE F.3	F.3	1093.03	F.2	1092.78	25	0.010	12	9.87	HDPE	
PIPE F.4	F.4	1093.26	F.3	1093.03	23	0.010	12	9.87	HDPE	
PIPE G.2	G.1	1091.93	G.2	1092.00	7	0.010	18	22.21	RCP	
PIPE H.2	H.1	1079.09	H.2	1079.15	6	0.010	18	22.21	RCP	
PIPE H.3	H.3	1079.60	H.2	1079.15	45	0.010	18	22.21	RCP	
PIPE H.4	H.4	1081.84	H.3	1079.60	128	0.017	18	22.21	RCP	
PIPE UG	UG DETENTION (A)	1081.25	A.5	1081.13	12	0.010	18	22.21	RCP	



GSMCC CERT. #85083
EXP. 08.25.24

STORM DRAIN PIPE CHART

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

C4.03

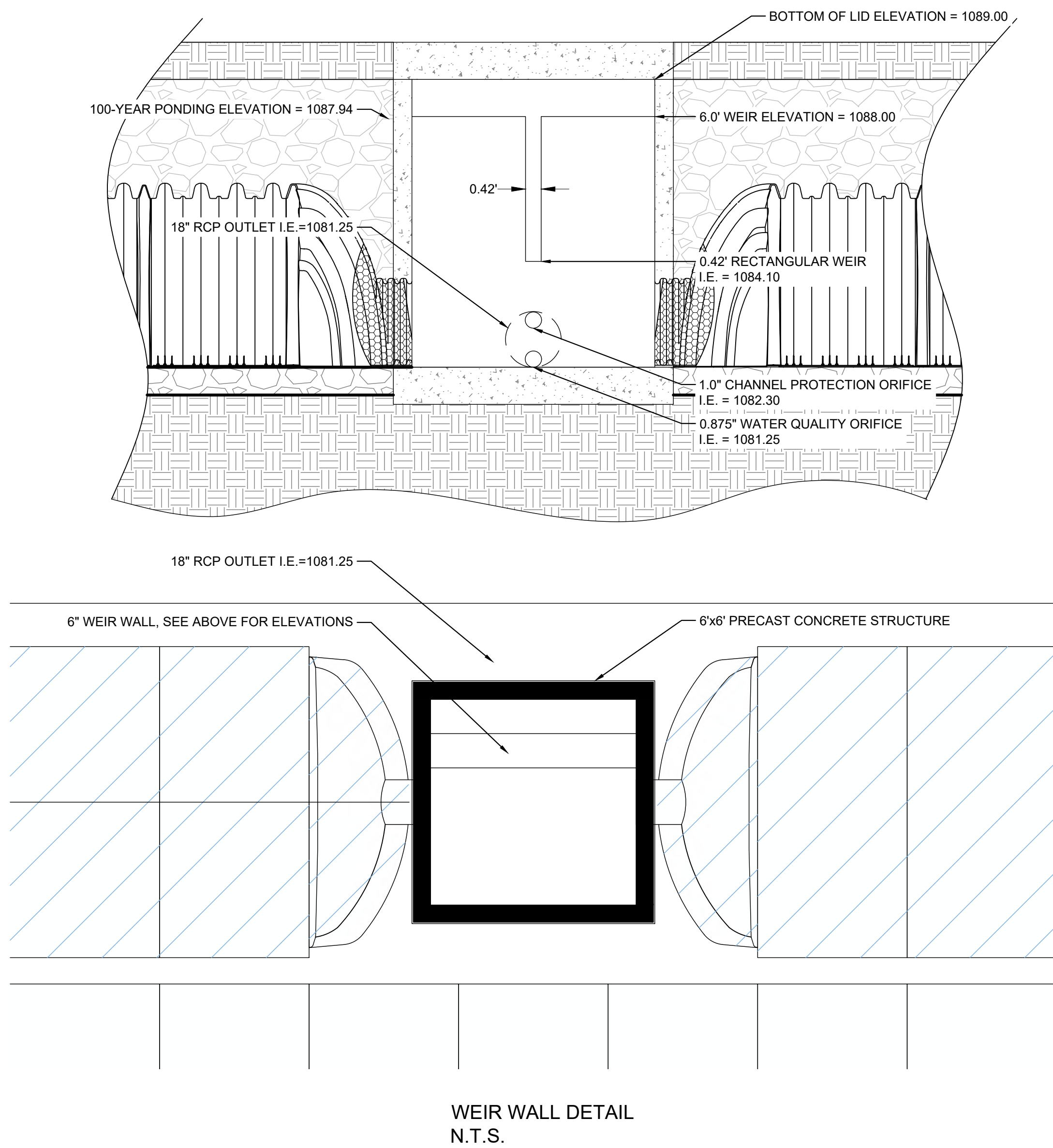
PROJ. NO. : 3808805

INLET HYDROLOGY			INLET CHARACTERISTICS				FLOW CHARACTERISTICS									
Label	Inlet Tc (min)	Inlet "C"	Inlet Area (squares)	Location	Inlet Type	Road Grade (%)	Bypass Target	Local Q (cfs)	Carryover Q (cfs)	Total Inlet Q (cfs)	Bypassed Q (cfs)	Efficiency (%)	Capacity (cfs)	Gutter Spread (ft)	Gutter Depth (ft)	
A.2	5	0.9	0.15	On Grade	GDOT STD 1033-D SWCB	0.04	A.2.1	1.53	0.00	1.53	0.00	100.00	2.60	2.60	0.28	
H.2	5	0.9	0.15	In Sag	GDOT STD 1034-D DWCB	Sag	-	0.98	1.21	2.19	0.00	100.00	7.21	7.21	0.35	
H.3	5	0.9	0.3	On Grade	GDOT STD 1033-D SWCB	0.04	A.2.1	1.95	0.00	1.95	0.01	100.00	3.67	3.67	0.28	
G.3	5	0.9	0.42	On Grade	GDOT STD 1033-D SWCB	0.04	A.2	2.56	1.36	3.37	0.55	86.00	5.17	5.17	0.35	
G.2	5	0.9	0.91	On Grade	GDOT STD 1033-D SWCB	0.04	A.6	5.54	0.00	4.18	1.36	75.00	6.31	6.31	0.38	

INLET HYDROLOGY			SYSTEM FLOW				PIPE PROPERTIES						FLOW CHARACTERISTICS						
Label	Return Period (yrs)	Inlet Tc (min)	Inlet "C"	Inlet Area (squares)	Inlet Q (cfs)	System Tc (min)	System Intensity (in/hr)	System CA (squares)	System Q (cfs)	Dia (in)	Slope (%)	Length (ft)	Type	U/S Inv. El. (ft)	D/S Inv. El. (ft)	Full Flow Capacity (cfs)	Velocity (ft/s)	U/S HGL (ft)	D/S HGL (ft)
A.2 - A.1	25	5.0	0.90	0.15	1.98	5.80	8.00	0.14	9.87	30.00	0.86	3.50	RCP	1079.09	1079.06	37.92	7.38	1080.86	1080.78
A.3 - A.2	25	5.0	0.90	0.00	0.00	5.60	8.00	0.00	0.00	24.00	1.01	28.70	RCP	1079.38	1079.09	22.74	6.08	1080.53	1080.86
A.4 - A.3	25	5.0	0.90	0.00	0.00	5.50	8.00	0.00	0.00	24.00	0.98	32.72	RCP	1079.70	1079.38	22.36	6.65	1081.15	1080.83
A.5 - A.4	25	5.0	0.90	0.00	0.00	5.40	8.00	0.00	0.00	24.00	1.03	37.07	RCP	1080.08	1079.70	22.90	6.65	1081.53	1081.15
A.6 - A.5	25	5.0	0.90	0.00	0.00	5.10	8.00	0.00	0.00	24.00	1.00	69.69	RCP	1084.73	1084.03	22.67	6.59	1085.98	1085.07
A.7 - A.6	25	5.0	0.90	0.00	12.06	5.00	8.00	0.00	0.00	24.00	1.00	27.12	RCP	1085.00	1084.73	22.57	5.86	1086.25	1085.98
C.1 - UG DETENTION (C)	25	5.0	0.90	0.00	0.00	5.60	8.00	0.00	0.00	18.00	0.98	19.30	HDPE	1084.59	1084.20	11.29	3.95	1085.02	1084.83
C.2 - C.1	25	5.0	0.90	0.00	0.00	5.10	8.00	0.00	0.00	18.00	1.00	45.10	HDPE	1084.84	1084.59	11.36	3.93	1085.47	1085.02
C.3 - C.2	25	5.0	0.90	0.00	0.00	5.10	8.00	0.00	0.00	18.00	1.04	8.66	HDPE	1084.93	1084.84	11.60	3.93	1085.56	1085.47
OPEN END - C.3	25	5.0	0.90	0.00	2.79	5.00	8.00	0.00	0.00	18.00	1.00	5.00	HDPE	1084.98	1084.93	11.37	3.93	1085.61	1085.56
B.1 - UG DETENTION (B)	25	5.0	0.90	0.00	0.00	5.50	8.00	0.00	0.00	18.00	2.71	68.22	RCP	1083.85	1082.00	17.29	4.57	1084.66	1082.81
B.2 - B.1	25	5.0	0.90	0.00	0.00	5.20	8.00	0.00	0.00	18.00	0.99	34.31	RCP	1084.19	1083.85	10.45	4.58	1085.00	1084.66
B.3 - B.2	25	5.0	0.90	0.00	4.44	5.00	8.00	0.00	0.00	18.00	1.02	35.17	RCP	1084.55	1084.19	10.63	4.58	1085.36	1085.00
H.3 - H.2	25	5.0	0.90	0.15	1.11	5.60	8.00	0.14	8.85	18.00	1.00	53.94	RCP	1079.63	1079.09	10.51	5.01	1081.24	1080.86
H.4 - H.3	25	5.0	0.90	0.30	2.23	5.10	8.20	0.27	9.90	18.00	1.72	128.12	RCP	1081.84	1079.63	13.79	5.11	1082.93	1081.44
UG DETENTION (A) - A.5	25	5.0	0.90	0.00	4.17	5.00	8.00	0.00	0.00	18.00	1.01	11.83	RCP	1081.25	1081.13	10.57	5.05	1082.03	1081.79
F.1 - OPEN END	25	5.0	0.90	0.02	0.14	5.90	7.27	0.02	1.77	12.00	1.01	24.66	HDPE	1092.47	1092.22	3.88	3.84	1093.04	1092.79
F.2 - F.1	25	5.0	0.90	0.13	0.89	5.70	7.35	0.12	1.65	12.00	1.01	30.80	HDPE	1092.78	1092.47	3.87	3.69	1093.33	1093.04
F.3 - F.2	25	5.0	0.90	0.10	0.68	5.60	7.38	0.09	0.80	6.00	0.98	25.41	HDPE	1093.03	1092.78	0.60	4.06	1093.76	1093.33
F.4 - F.3	25	5.0	0.90	0.02	0.14	5.90	7.27	0.02	0.14	6.00	0.99	23.26	HDPE	1093.03	1093.03	0.60	0.60	1093.95	1093.94
E.1 - OPEN END	25	5.0	0.90	0.04	0.27	5.80	7.29	0.04	0.33	6.00	1.00	19.99	HDPE	1090.56	1090.56	0.61	2.78	1090.85	1090.65
E.2 - E.1	25	5.0	0.90	0.01	0.07	5.00	7.57	0.01	0.07	6.00	0.97	17.59	HDPE	1090.73	1090.56	0.60	1.15	1090.86	1090.85
D.1 - OPEN END	25	5.0	0.90	0.01	0.07	5.30	7.47	0.01	0.20	6.00	1.00	22.95	HDPE	1088.96	1088.73	0.61	2.36	1089.19	1088.96
D.2 - D.1	25	5.0	0.90	0.02	0.14	5.00	7.57	0.02	0.14	6.00	1.02	11.71	HDPE	1089.08	1088.96	0.61	1.84	1089.26	1089.19

INLET HYDROLOGY			SYSTEM FLOW				PIPE PROPERTIES						FLOW CHARACTERISTICS						
Label	Return Period (yrs)	Inlet Tc (min)	Inlet "C"	Inlet Area (squares)	Inlet Q (cfs)	System Tc (min)	System Intensity (in/hr)	System CA (squares)	System Q (cfs)	Dia (in)	Slope (%)	Length (ft)	Type	U/S Inv. El. (ft)	D/S Inv. El. (ft)	Full Flow Capacity (cfs)	Velocity (ft/s)	U/S HGL (ft)	D/S HGL (ft)
A.2 - A.1	100	5.0	0.90	0.15	2.74	5.70	9.60	0.14	11.84	30.00	0.86	3.50	RCP	1079.09	1079.06	37.92	9.73	1081.40	1081.29
A.3 - A.2	100	5.0	0.90	0.00	0.00	5.30	8.00	0.00	0.00	24.00	1.01	28.70	RCP	1079.38	1079.09	22.74	10.29	1084.14	1083.56
A.4 - A.3	100	5.0	0.90	0.00	0.00	5.30	8.00	0.00	0.00	24.00	0.98	32.72	RCP	1079.70	1079.38	22.36	10.29	1085.06	1084.39
A.5 - A.4	100	5.0	0.90	0.00	0.00	5.20	8.00	0.00	0.00	24.00	1.03	37.07	RCP	1080.08	1079.70	22.90	10.29	1086.80	1086.05
A.6 - A.5	100	5.0	0.90	0.00	0.00	5.10	8.00	0.00	0.00	24.00	1.00	69.69	RCP	1084.73	1084.03	22.67	7.68	1089.24	1088.45
A.7 - A.6	100	5.0	0.90	0.00	24.11	5.00	8.00	0.00	0.00	24.00	1.00	27.12	RCP	1085.00	1084.73	22.57	7.68	1090.08	1089.77
C.1 - UG DETENTION (C)	100	5.0	0.90	0.00	0.00	5.40	8.00	0.00	0.00	18.00	0.98	19.30	HDPE	1084.59	1084.20	11.29	5.31	1085.21	1084.86
C.2 - C.1	100	5.0	0.90	0.00	0.00	5.10	8.00	0.00	0.00	18.00	1.00	45.10	HDPE	1084.84	1084.59	11.36	4.60	1085.66	1085.21
C.3 - C.2	100	5.0	0.90	0.00	0.00	5.00	8.00	0.00	0.00	18.00	1.04	8.66	HDPE	1084.93	1084.84	11.60	4.60	1085.75	1085.66
OPEN END - C.3	100	5.0	0.90	0.00	4.51	5.00	8.00	0.00	0.00	18.00	1.00	5.00	HDPE	1084.98	1084.93	11.37	4.60	1085.80	1085.75
B.1 - UG DETENTION (B)	100	5.0	0.90	0.00	0.00	5.20	8.00	0.00	0.00	18.00	2.71	68.22	RCP	1083.85	1082.00	17.29	5.79	1084.81	1082.81
B.2 - B.1	100	5.0	0.90	0.00	0.00	5.00	8.00	0.00	0.00	18.00	0.99	34.31	RCP	1084.19	1083.85	10.45	5.19	1085.15	1084.81
B.3 - B.2	100	5.0	0.90	0.00	6.21	5.00	8.00	0.00	0.00	18.00	1.02	35.17	RCP	1084.55	1084.19	10.63	5.19	1085.51	1085.15
H.3 - H.2	100	5.0	0.90	0.15	1.33	5.50	9.65	0.14	10.60	18.00	1.00	53.94	RCP	1079.63	1079.09	10.51	6.00	1084.11	1083.56
H.4 - H.3	100	5.0	0.90	0.30	2.65	5.10	9.79	0.27	9.43	18.00	1.72	128.12	RCP	1081.84	1079.63	13.79	5.34	1085.42	1084.39
UG DETENTION (A) - A.5	100	5.0	0.90	0.00	8.21	5.00	8.00	0.00	0.00	18.00	1.01	11.83	RCP	1081.25	1081.13	10.57	4.65	1088.52	1088.45
F.1 - OPEN END	100	5.0	0.90	0.02	0.16	5.80	8.44	0.02	2.05	12.00	1.01	24.66	HDPE	1092.47	1092.22	3.88	4.26	1093.08	1092.79
F.2 - F.1	100	5.0	0.90	0.13	1.02	5.60	8.52	0.12	1.92	12.00	1.01	30.80	HDPE	1092.78	1092.47	3.87	3.89	1093.37	1093.08
F.3 - F.2	100	5.0	0.90	0.10	0.79	5.50	8.55	0.09	0.92	6.00	0.98	25.41	HDPE	1093.03	1092.78	0.60	4.70	1093.96	1093.37
F.4 - F.3	100	5.0	0.90	0.02	0.16	5.90	8.74	0.02	0.16	6.00	0.99	23.26	HDPE	1093.26	1093.03	0.60	0.80	1094.21	1094.19
E.1 - OPEN END	100	5.0	0.90	0.04	0.31	5.70	8.46	0.04	0.38	6.00	1.00	19.99	HDPE	1090.56	1090.56	0.61	3.08	1090.87	1090.65
E.2 - E.1	100	5.0	0.90	0.01	0.08	5.00	8.74	0.01	0.08	6.00	0.97	17.59	HDPE	1090.73	1090.56	0.60	1.20	1090.87	1090.87
D.1 - OPEN END	100	5.0	0.90	0.01	0.08	5.20	8.65	0.01	0.23	6.00	1.00	22.95	HDPE	1088.96	1088.73	0.61	2.56	1089.20	1088.96
D.2 - D.1	100	5.0	0.90	0.02	0.16	5.00	8.74	0.02	0.16	6.00	1.02	11.71	HDPE	1089.08	1088.96	0.61	1.92	1089.28	1089.20

Label	Inlet Type	Top Elevation	Wet Elevation	Pooling Above Wet (ft)	Pooling Elevation
B.3	PEDESTAL TOP	1089.50	1088.50	0.35	1088.85
H.2	DOUBLE WING CATCH BASIN	2173.05	2172.05	0.10	2172.15
F.1	12" NYLOPLAST GRATE INLET	1095.53	1095.53	0.00	1095.53
F.2	12" NYLOPLAST GRATE INLET	1097.20	1097.20	0.04	1097.24
F.3	12" NYLOPLAST GRATE INLET	1097.18	1097.18	0.02	1097.20
F.4	12" NYLOPLAST GRATE INLET	1096.98	1096.98	0.00	1096.98
E.1	12" NYLOPLAST GRATE INLET	1092.75	1092.75	0.00	1092.75
E.2	12" NYLOPLAST GRATE INLET	1092.55	1092.55	0.00	1092.55
D.1	12" NYLOPLAST GRATE INLET	1091.00	1091.00	0.00	1091.00
D.2	12" NYLOPLAST GRATE INLET	1092.48	1092.48	0.00	1092.48



OUTLET CONTROL STRUCTURE

CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

C4.04

PROJ. NO. : 3808805



TUCKER TOWN GREEN PARK

TUCKER, GA

HYDROSTOR HS290 STORMWATER CHAMBER SYSTEM

STORMWATER CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE HYDROSTOR HS290 OR APPROVED EQUIVALENT.
2. CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-12, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS."
6. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
 - A. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
 - B. A STRUCTURAL EVALUATION SEAL BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO CERTIFY LONG-TERM PERFORMANCE.
 - C. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
7. CHAMBERS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

NOTES:

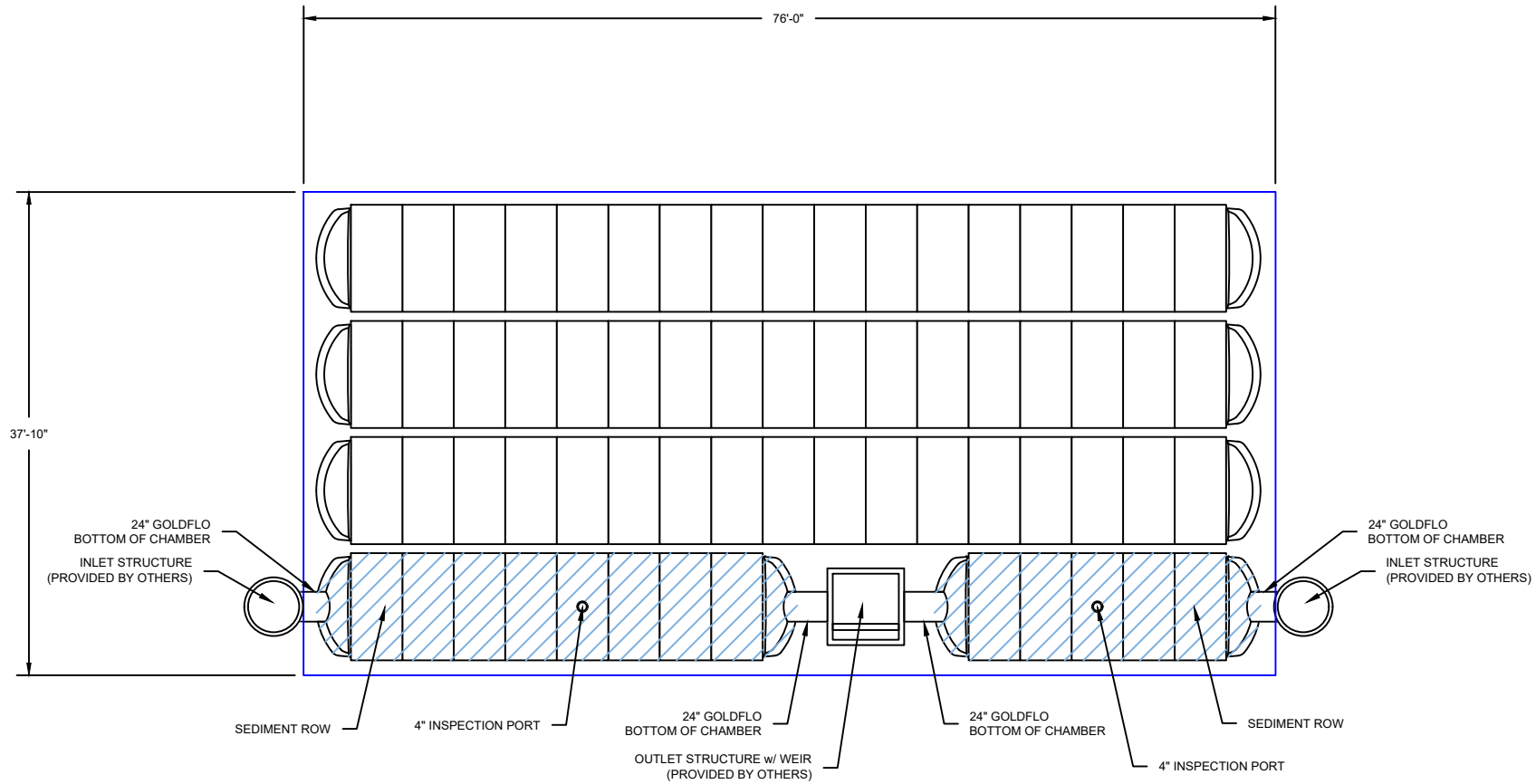
1. PRIOR TO BEGINNING INSTALLATION OF HYDROSTOR STORMWATER CHAMBERS, A PRECONSTRUCTION MEETING SHALL BE HELD WITH A PRINSCO REPRESENTATIVE AND THE INSTALLERS.
2. HYDROSTOR STORMWATER CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PRINSCO "HYDROSTOR CONSTRUCTION GUIDE."
3. HYDROSTOR STORMWATER CHAMBERS SHALL NOT BE INSTALLED ON WET OR UNSTABLE FOUNDATION OR SUBGRADE. FOUNDATION STONE MUST BE LEVEL AND COMPACTED.
4. PRINSCO RECOMMENDS PRETREATMENT OF STORMWATER RUNOFF USING A PRINSCO STORMWATER QUALITY UNIT AND/OR A SEDIMENT ROW.
5. MAINTAIN MINIMUM SPACING OF 8.5" (SPECIFICALLY HS290) BETWEEN CHAMBERS.
6. CONSTRUCTION EQUIPMENT SHALL NOT BE SITUATED ATOP THE CHAMBERS UNTIL SUFFICIENT COVER HAS BEEN ACHIEVED. DUMP TRUCKS, RUBBER TIRE LOADERS, EXCAVATORS, WHEEL OR ROLLER LOADS ARE NOT ALLOWED UNTIL PROPER FILL HEIGHTS HAVE BEEN ACHIEVED. REFER TO PRINSCO "HYDROSTOR CONSTRUCTION GUIDE" FOR SPECIFIC LOADING CRITERIA.
7. EMBEDMENT BACKFILL MUST BE PLACED USING THE FOLLOWING METHODS ONLY:
 - BACKFILL WITH AN EXCAVATOR LOCATED OUTSIDE THE EXCAVATION
 - BACKFILL WITH A STONE SHOOTER LOCATED OUTSIDE THE EXCAVATION
 - BACKFILL AS ROWS ARE BUILT WITH AN EXCAVATOR ON THE SUBGRADE OR FOUNDATION STONE
8. EMBEDMENT BACKFILL SHALL NOT BE PLACED USING THE "DUMP AND PUSH" METHOD. THIS MAY CAUSE DAMAGE TO THE CHAMBERS, WILL RESULT IN IMPROPER INSTALLATION AND WILL VOID THE PRINSCO STANDARD WARRANTY.
9. ONCE SUFFICIENT COVER IS ACHIEVED (12" FOR HS290), GRADING MAY COMMENCE WITH A SMALL DOZER OR SKID LOADER (LESS THAN 4.5 PSI GROUND PRESSURE). EQUIPMENT SHALL ALWAYS TRAVEL PARALLEL TO CHAMBER ROWS. SEE PRINSCO "HYDROSTOR CONSTRUCTION GUIDE" FOR SPECIFIC LOADING CRITERIA.



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PRINSCO'S DESIGN ASSUMES 4.4 SOIL BEARING CAPACITY DUE TO UNKNOWN SITE SPECIFIC CONDITIONS. FOUNDATION STONE DEPTH REQUIREMENTS TO BE DETERMINED BY PROJECT ENGINEER BASED ON SOIL BEARING CAPACITY AND COVER HEIGHTS PER PRINSCO DESIGN GUIDE FOUNDATION REQUIREMENTS.



BILL OF MATERIALS					
PART	DESCRIPTION	QTY.	PART	DESCRIPTION	QTY.
A1	HYDROSTOR HS290 CHAMBER (HS290C)	64	A2	HYDROSTOR HS290 END CAP (HS290E)	6
A3	HYDROSTOR HS290 END CAP w/ 24" CORED HOLE BOTTOM (HS290E-24HB)	4	A4	24GF20NP-PE (FIELD CUT PIPE FOR MANIFOLD)	20'

TYPICAL ELEVATIONS - HS290 BEDS (ft)

MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	1094.96
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	1089.46
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	1088.96
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	1088.96
MINIMUM ALLOWABLE GRADE (TOP OF REINFORCED CONCRETE PAVEMENT):	1088.96
TOP OF STONE (MIN):	1087.96
TOP OF CHAMBER:	1086.96
24" BOTTOM OF CHAMBER (INVERT):	1082.25
BOTTOM OF CHAMBER (MIN):	1082.00
BOTTOM OF FOUNDATION STONE:	1081.25

PROPOSED SYSTEM LAYOUT HS290

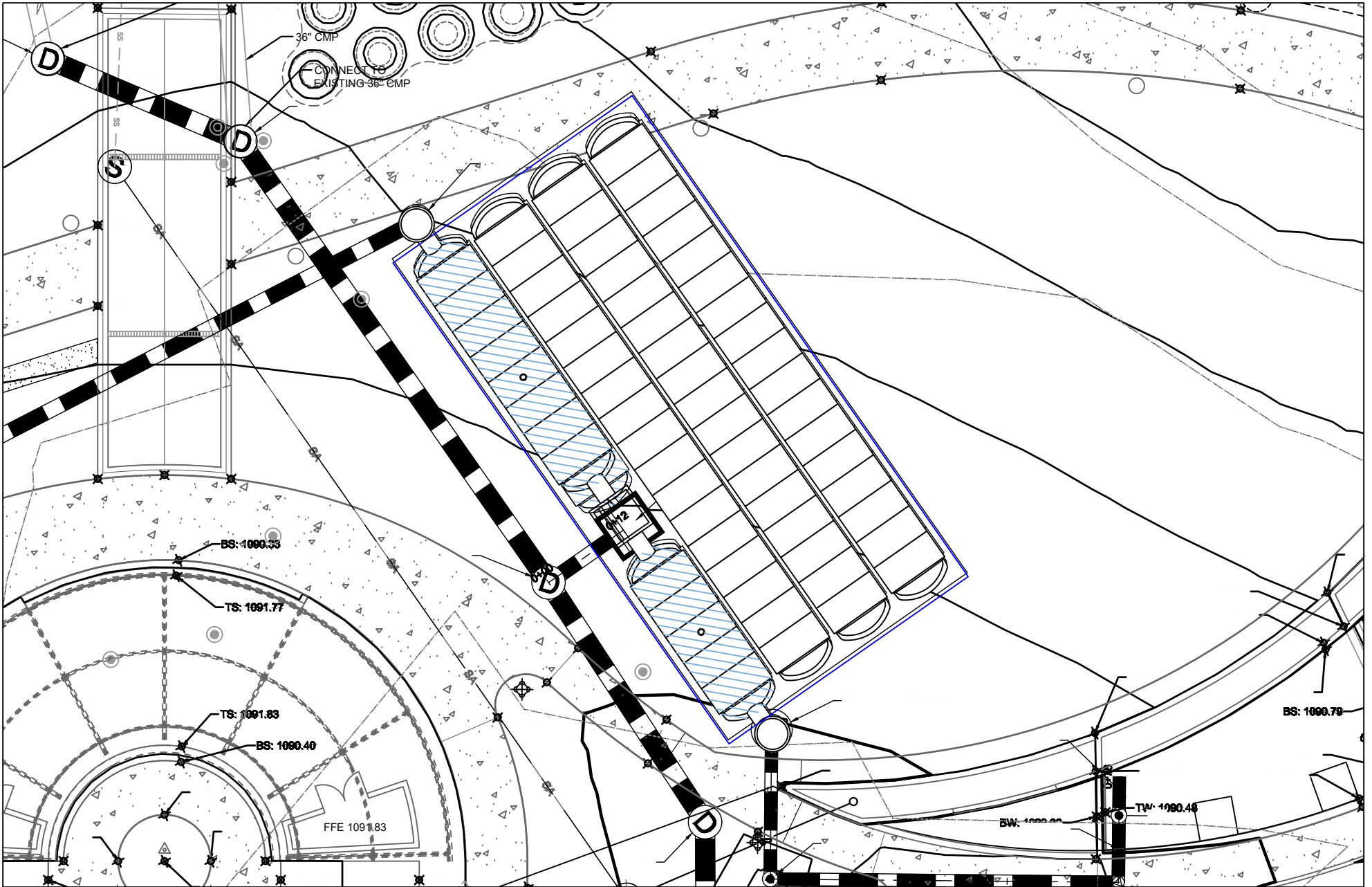
1094.96	INSTALLED SYSTEM VOLUME (ft ³):	12,174
1089.46	INSTALLED SYSTEM FOOTPRINT (ft ²):	2,872
1088.96	SYSTEM PERIMETER (ft):	228
1088.96	TOTAL CHAMBERS:	64
1088.96	TOTAL END CAPS:	10
1087.96	STONE REQUIRED (yd ³):	437
1086.96	NON-WOVEN GEOTEXTILE (yd ²):	969
1082.25	WOVEN GEOTEXTILE (yd ²):	70
1082.00		
1081.25		

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TITLE: TUCKER TOWN GREEN PARK TUCKER, GA		REV: C
CHECKED BY: TJW	PRINSCO SALES CONTACT: Jason Forgette; 320-444-4603	
DRAWN BY: HDC	DATE: 24-Jan-24	DRAWING NUMBER:
SCALE: NTS	SHEET: 1 OF 2	23-935



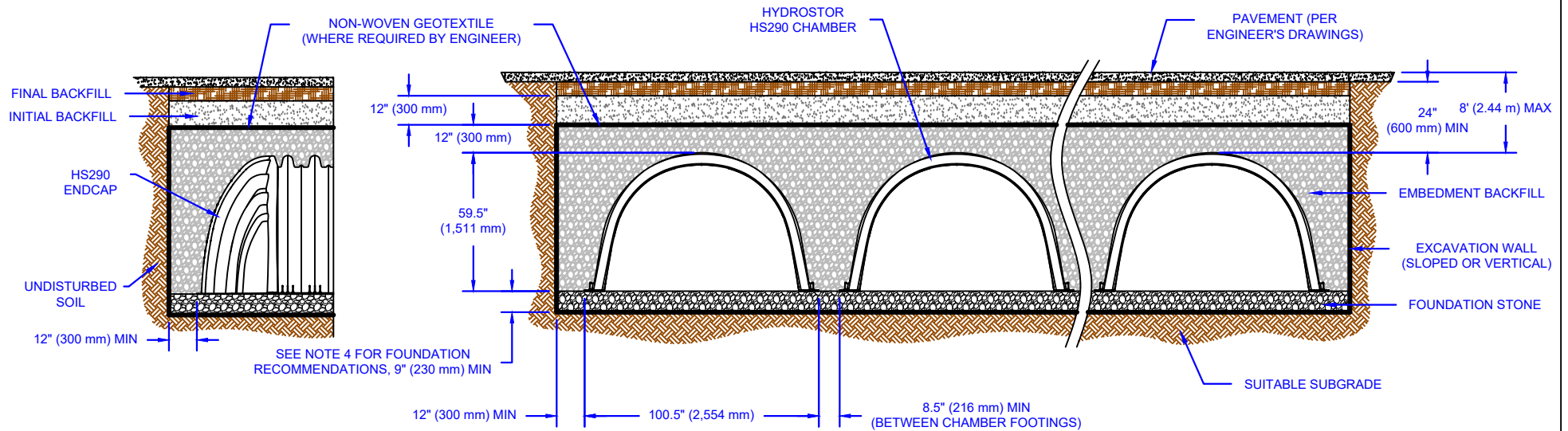
OVERLAY

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TITLE: TUCKER TOWN GREEN PARK TUCKER, GA		REV: C
CHECKED BY: TJW	PRINSCO SALES CONTACT: Jason Forgette; 320-444-4603	
DRAWN BY: HDC	DATE: 24-Jan-24	DRAWING NUMBER:
SCALE: NTS	SHEET: 2 OF 2	23-935



NOTES:

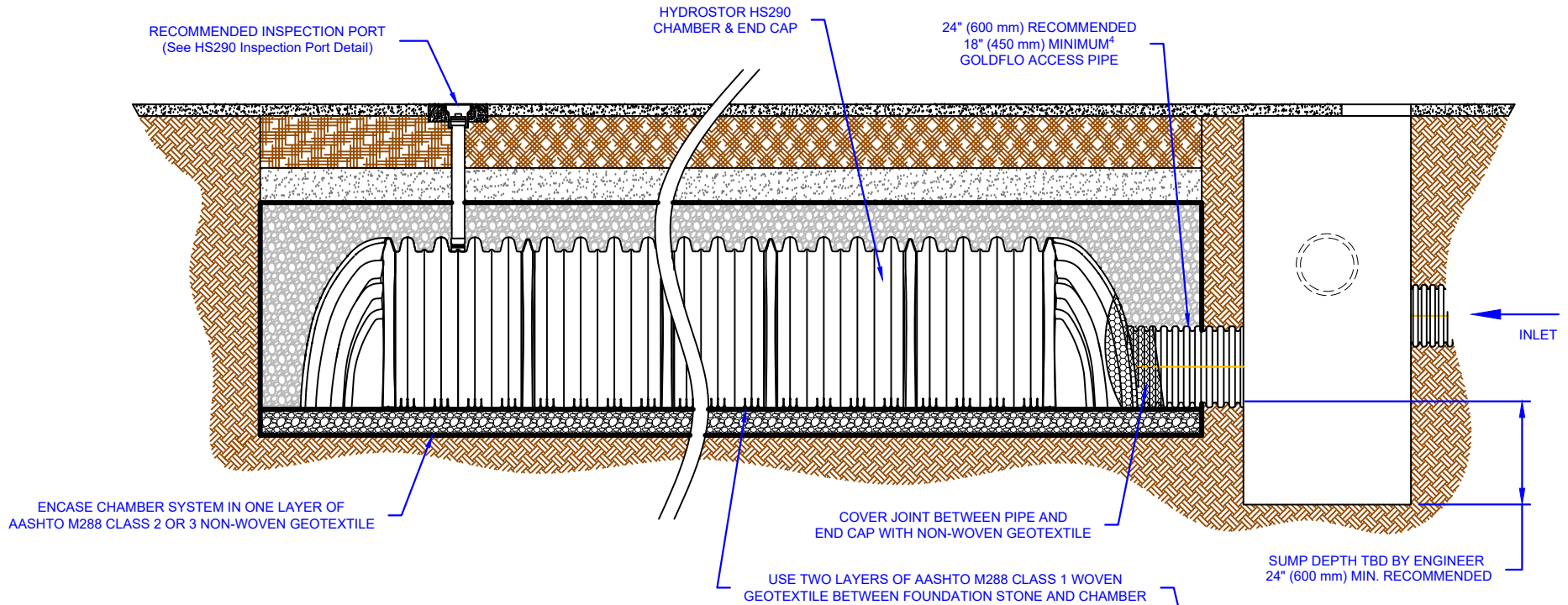
- HYDROSTOR HS290 CHAMBERS** SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418. HS180 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION GUIDELINES.
- SUBGRADE:** TRENCH BOTTOMS WITH UNSTABLE OR UNYIELDING MATERIAL SHALL BE EXCAVATED TO A DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL. FOR UNSTABLE MATERIALS, GEOTEXTILE MAY BE USED TO STABILIZE THE TRENCH BOTTOM, IF DIRECTED BY THE ENGINEER. THE DESIGN ENGINEER IS RESPONSIBLE FOR VERIFYING SUBGRADE SUITABILITY.
- GEOTEXTILE:** AN AASHTO M288 CLASS 2 OR 3 NON-WOVEN GEOTEXTILE SHOULD BE USED FOR EMBEDMENT BACKFILL MATERIAL 3/4 TO 2 INCH (19 - 51 MM). GEOTEXTILE FILTER FABRIC IS PLACED AROUND THE SYSTEM TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE EMBEDMENT BACKFILL MATERIAL. TO ENSURE FABRIC IS SUITABLE WITH IN SITU SOILS, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED.
- FOUNDATION STONE:** SUITABLE MATERIAL SHALL BE A 3/4 - 2 INCH (19 - 51 mm), CLEAN, CRUSHED ANGULAR STONE, OR AASHTO M43 SIZES (3, 357, 4, 467, 5, 56, 57) WITH CLEAN, CRUSHED, ANGULAR STONE ADDED TO THE GRADATION, e.g., CLEAN, CRUSHED, ANGULAR #3 (AASHTO M43) STONE. MINIMUM FOUNDATION STONE THICKNESS TO BE DETERMINED BY DESIGN ENGINEER WITH CONSIDERATION FOR RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. MINIMUM OF 9" (230 mm) RECOMMENDED. REFER TO PRINSCO DESIGN MANUAL FOR ADDITIONAL GUIDANCE. COMPACTION SHOULD BE DONE IN LIFTS OF NO MORE THAN 9 INCHES (230 mm).
- EMBEDMENT BACKFILL:** SUITABLE MATERIAL SHALL BE A 3/4 - 2 INCH (19 - 51 mm), CLEAN, CRUSHED ANGULAR STONE, OR AASHTO M43 SIZES (3, 357, 4, 467, 5, 56, 57) WITH CLEAN, CRUSHED, ANGULAR STONE ADDED TO THE GRADATION, e.g., CLEAN, CRUSHED, ANGULAR #3 (AASHTO M43) STONE. EMBEDMENT BACKFILL SHALL EXTEND FROM TOP OF BEDDING TO NOT LESS THAN 12 INCHES (300 mm) ABOVE THE TOP OF THE CHAMBER. NO COMPACTION IS REQUIRED BUT AN EFFORT SHOULD BE MADE TO HAND KNIFE STONE IN BETWEEN ALL CORRUGATIONS.
- INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE A GRANULAR, WELL GRADED SOIL WITH LESS THAN 35% FINES OR AASHTO M43 SIZES (3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10). MOST PAVEMENT SUBBASE MATERIALS FALL WITHIN THIS GRADING CRITERIA. INITIAL BACKFILL SHALL EXTEND FROM TOP OF EMBEDMENT BACKFILL TO NOT LESS THAN 24 INCHES (600 mm) ABOVE THE TOP OF THE CHAMBER. COMPACTION TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
- FINAL BACKFILL:** SUITABLE MATERIALS SHALL BE ANY SOIL DIRECTED BY THE ENGINEER. FINAL BACKFILL SHALL EXTEND FROM TOP OF INITIAL BACKFILL TO NO MORE THAN 8 FEET (2.44 m) ABOVE THE TOP OF THE CHAMBER. COMPACTION LEVELS SHOULD FOLLOW ENGINEERS RECOMMENDATIONS.
- MINIMUM COVER:** FOR TRAFFIC APPLICATIONS A MINIMUM COVER OF 24 INCHES (600 mm) IS REQUIRED, MEASURED FROM THE TOP OF THE CHAMBER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR TO THE TOP OF RIGID PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING MAY OCCUR, INCREASE COVER TO 30 INCHES (750 mm) FOR H-20 LOADING. ADDITIONAL COVER MAY BE REQUIRED FOR CONSTRUCTION LOADS.
- MAXIMUM COVER:** A COVER HEIGHT OF OVER 8 FEET (2.44 m) IS NOT RECOMMENDED. COVER HEIGHT IS MEASURED FROM THE TOP OF THE CHAMBER TO THE TOP OF THE PAVEMENT.
- LOAD RATING:** HS290 CHAMBERS ARE TRAFFIC RATED FOR H-20 VEHICLES WITH ADDITIONAL CONSIDERATION FOR LANE LOADING, COMMONLY REFERRED TO AS HL-93 LOAD RATING (AASHTO DESIGN TRUCK).

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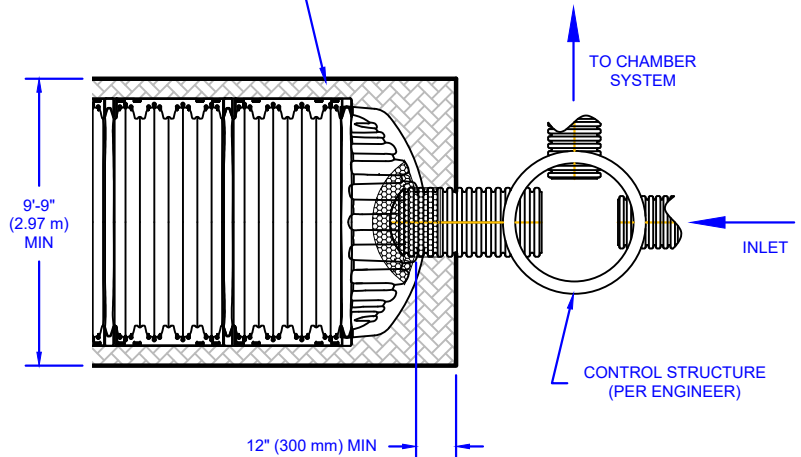
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TITLE: HYDROSTOR HS290 - CROSS SECTION			
DRAWN BY: AED	DATE: 06-Jun-23	DRAWING NUMBER: D-7-500A	
SCALE: NTS	SHEET: 1 OF 1		



NOTES:

1. HYDROSTOR HS290 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418. HS290 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION GUIDELINES.
2. **GEOTEXTILE:** TWO DIFFERENT GEOTEXTILES WILL BE USED IN CREATING A FUNCTIONING SEDIMENT ROW. TO ENSURE FABRIC IS SUITABLE WITH IN SITU SOILS, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED.
 - AN AASHTO M288 CLASS 2 OR 3 NON-WOVEN GEOTEXTILE SHOULD BE USED FOR EMBEDMENT BACKFILL MATERIAL 3/4 TO 2 INCH (19 - 51 MM). GEOTEXTILE FILTER FABRIC IS PLACED AROUND THE SYSTEM TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE EMBEDMENT BACKFILL MATERIAL. TO ENSURE FABRIC IS SUITABLE WITH IN SITU SOILS, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED.
 - TWO LAYERS OF AN AASHTO M288 CLASS 1 WOVEN FABRIC IS PLACED BETWEEN THE FOUNDATION AND THE CHAMBER FOR THE CREATION OF THE SEDIMENT ROW. THE TWO LAYERS PROVIDE A PROTECTIVE BARRIER FOR THE EMBEDMENT BACKFILL BUT STILL ALLOW WATER TO INFILTRATE INTO THE SYSTEM. THE WOVEN GEOTEXTILE IS DURABLE ENOUGH TO ALLOW JETTING TO CLEAN THE SEDIMENT ROW.
3. **INSPECTION AND MAINTENANCE:** INSPECTION OF THE SYSTEM SHOULD OCCUR BIANNUALLY TO ENSURE LARGE AMOUNTS OF SEDIMENT OR DEBRIS HAVE NOT BEEN DEPOSITED IN THE SEDIMENT ROW. DURING THE FIRST YEAR INSPECTION SHOULD OCCUR MORE FREQUENTLY DUE TO CONSTRUCTION SEDIMENT LOADING. TO CLEAN THE SYSTEM, A JET/VAC PROCESS CAN BE USED TO REMOVE SEDIMENT AND DEBRIS FROM THE SEDIMENT ROW. FOR MORE INFORMATION, REFER TO PRINSCO'S "RETENTION/DETENTION CLEANING AND MAINTENANCE" TECHNICAL NOTE.
4. **ACCESS PIPE:** PRINSCO RECOMMENDS A 24 INCH (600 mm) DIAMETER ACCESS PIPE TO THE SEDIMENT ROW. CONTACT YOUR LOCAL SALES REPRESENTATIVE WITH ANY QUESTIONS.

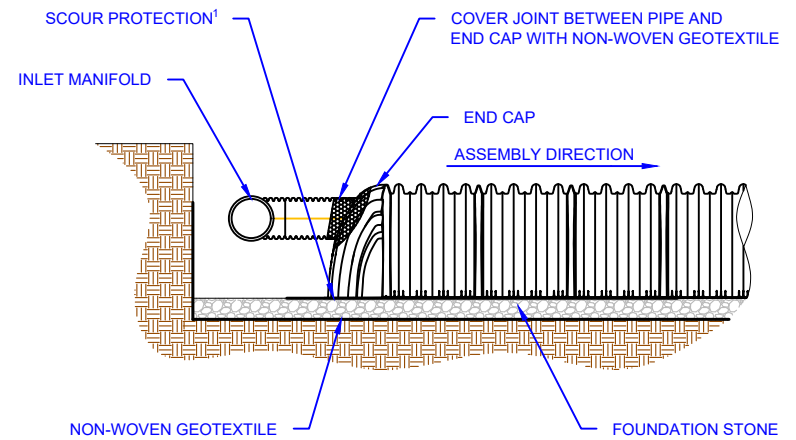
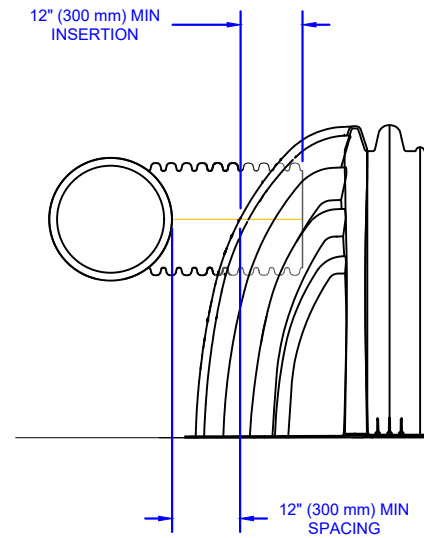
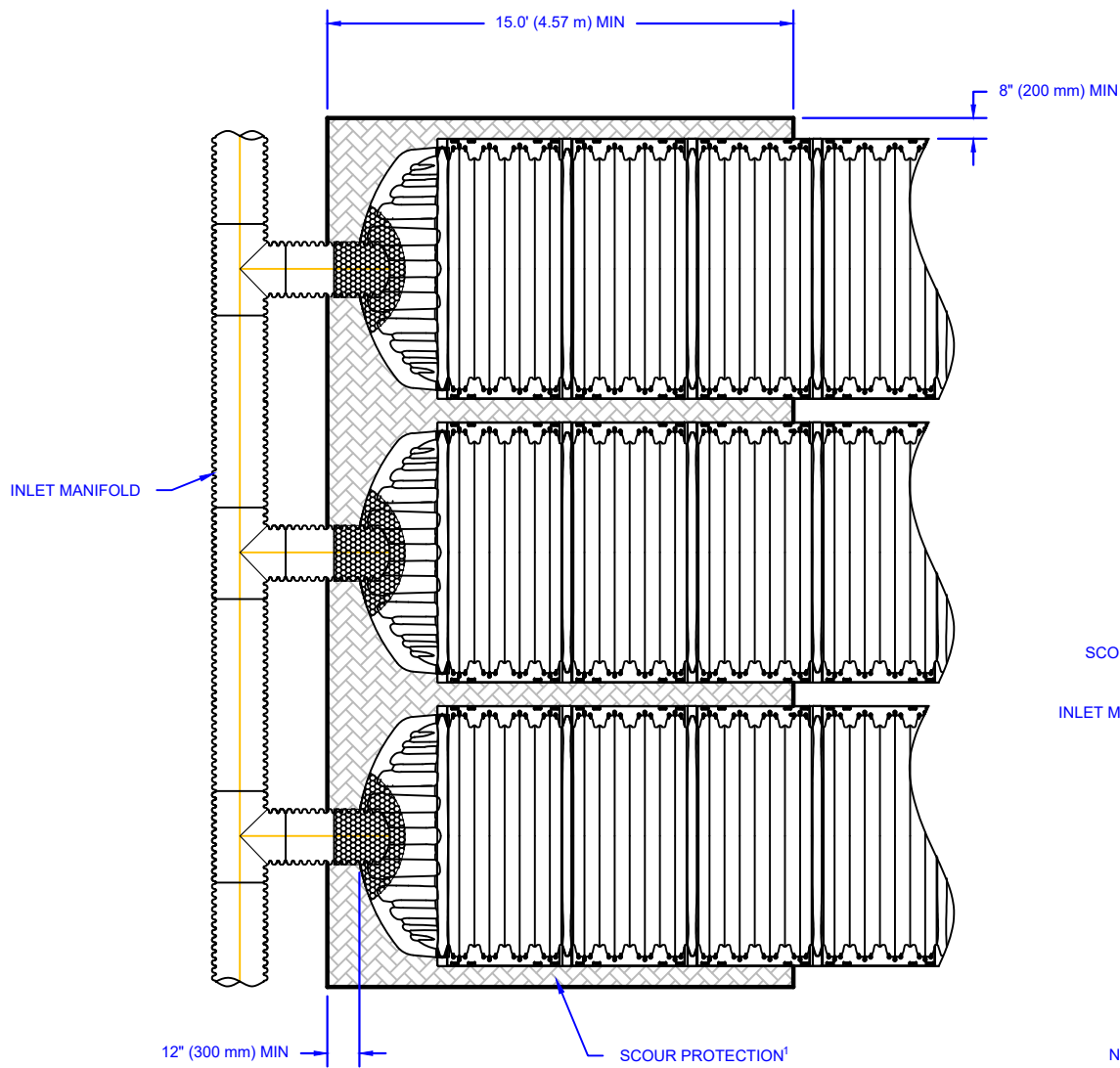


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TITLE:		HYDROSTOR HS290 - SEDIMENT ROW	
DRAWN BY:	DJW	DATE:	03-Aug-21
SCALE:	NTS	SHEET:	1 OF 1
			DRAWING NUMBER: D-7-502



NOTES:

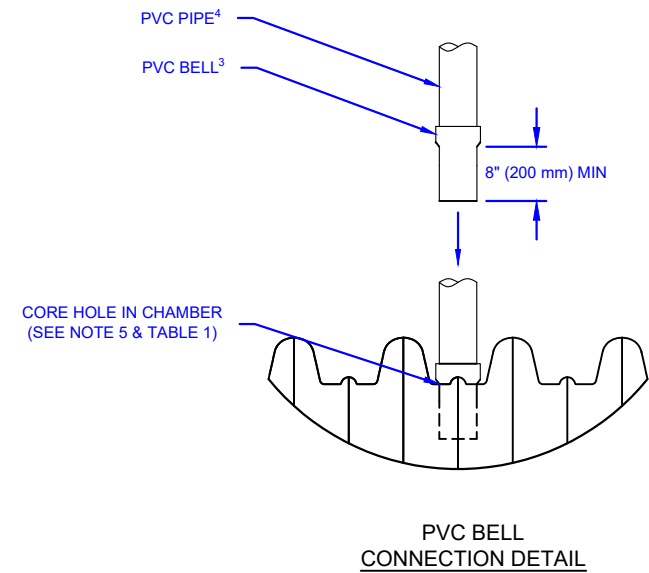
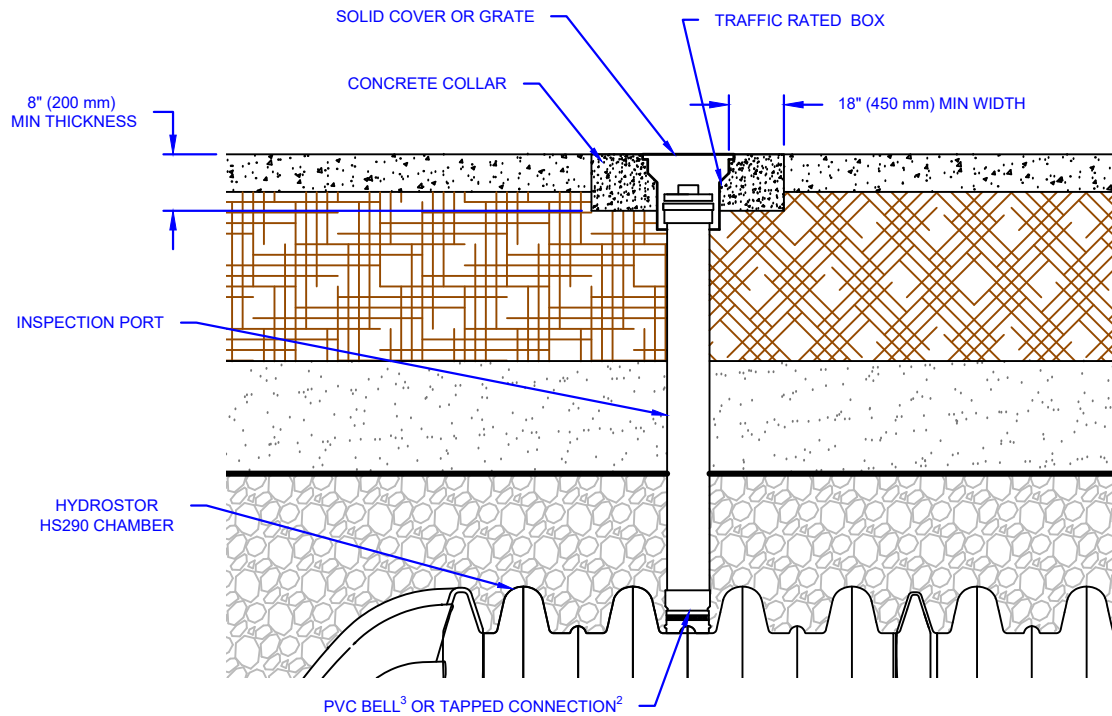
1. SCOUR PROTECTION SHOULD USE A WOVEN GEOTEXTILE. GEOTEXTILE SHOULD MEET AASHTO M288 CLASS 1 SPECIFICATION.
2. SCOUR PROTECTION IS ONLY NEEDED WITH CHAMBER ROWS CONNECTED TO THE INLET MANIFOLD.

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TITLE: HYDROSTOR HS290 - SCOUR PROTECTION		
DRAWN BY: RMA	DATE: 03-Jan-24	DRAWING NUMBER:
SCALE: NTS	SHEET: 1 OF 1	D-7-507



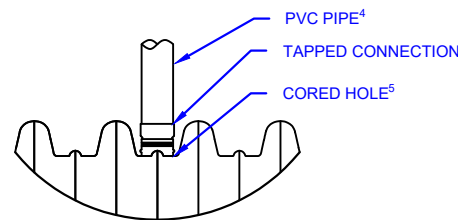
NOTES:

1. REFER TO TABLE 1 FOR DETAILS.
2. TAPPED CONNECTION CAN CONSIST OF QWIKSEAL OR APPROVED ENGINEERING EQUIVALENT.
3. PVC FITTING CAN CONSIST OF BELL OR OTHER CONNECTION WHICH PREVENTS PIPE FROM SLIDING INTO THE CHAMBER. ALL PVC FITTINGS TO BE SOLVENT CEMENTED.
4. PVC MAY BE EITHER SDR 35 OR SCH 40.
5. HOLES SHOULD BE CUT WITH A HOLE SAW, ALTHOUGH A RECIPROCATING SAW MAY BE NEEDED FOR 6" AND 8" HOLES ON THIS CHAMBER. IF NEEDED, START WITH SMALLER HOLE AND SLOWLY CUT OUT MORE EVENLY FROM SIDES UNTIL TIGHT FIT OF CONNECTION IN HOLE.

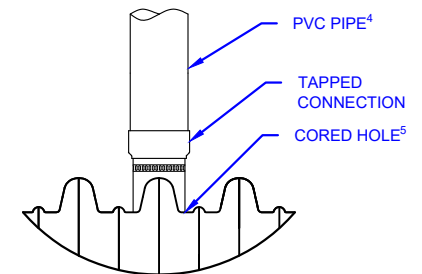
TABLE 1

CORED HOLE SIZE ESTIMATES (CONFIRM DIMENSIONS PRIOR TO CUTTING)			
CONNECTION	4" (100 mm) PVC INSPECTION PORT	6" (150 mm) PVC INSPECTION PORT	8" (200 mm) PVC INSPECTION PORT
QWIKSEAL	5" (125 mm) hole centered in valley of corrugation.	Not Recommended	Not Recommended
SDR 35*	~4-1/4" (108 mm) hole centered in valley of corrugation.	~6-3/8" (162 mm) hole centered in valley of corrugation.	~8-1/2" (216 mm) hole centered on corrugation crest.
SCH 40*	~4-5/8" (117 mm) hole centered in valley of corrugation.	~6-3/4" (172 mm) hole centered in valley of corrugation.	~8-3/4" (222 mm) hole centered on corrugation crest.

*CONFIRM O.D. OF PIPE PRIOR TO CUTTING TO ENSURE HOLE IS TIGHT FITTING AROUND PVC PIPE. CUT HOLE TO MATCH O.D. AS CLOSE AS POSSIBLE.

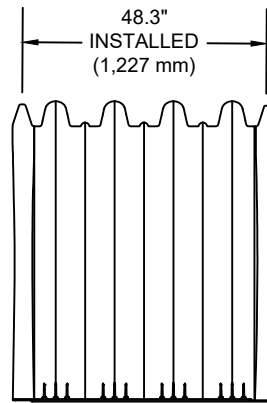
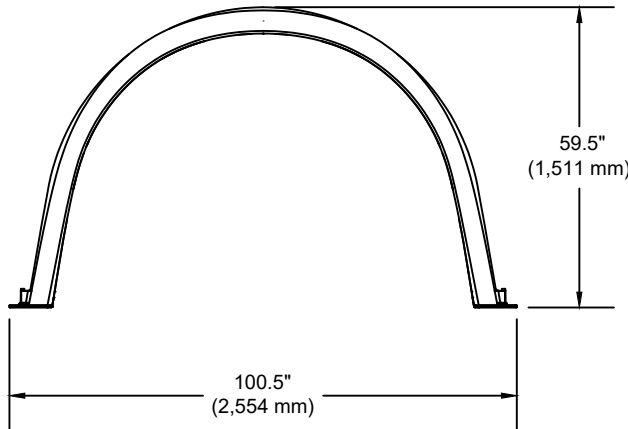
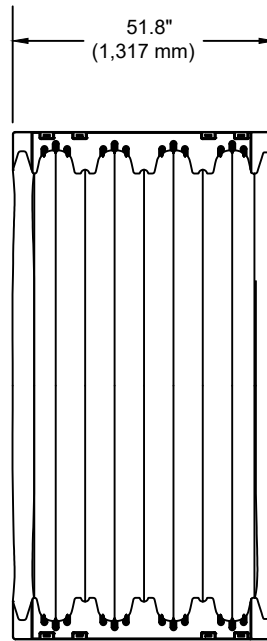


CENTERED IN VALLEY OF CORRUGATION CONNECTION DETAIL

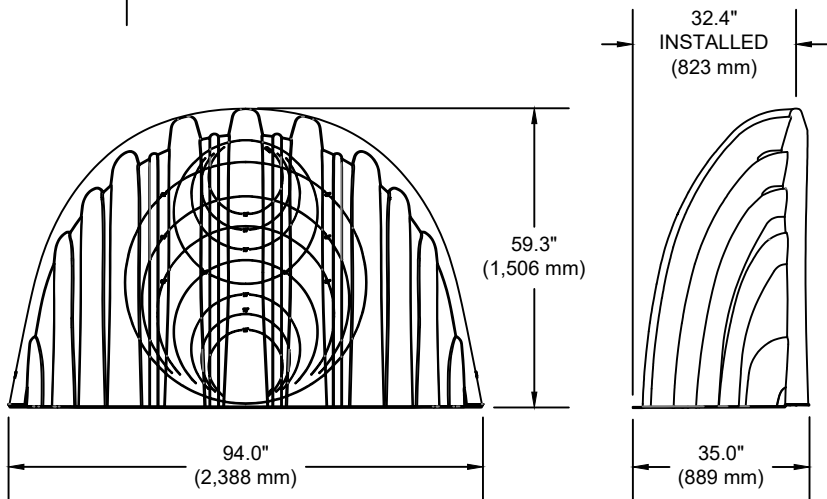


CENTERED ON CORRUGATION CREST CONNECTION DETAIL

Chamber Specifications	
Chamber Size (L x W x H)	51.8" x 100.5" x 59.5" (1,317 x 2,554 x 1,511 mm)
Installed Length	48.3" (1,227 mm)
Chamber Storage	109.6 ft ³ (3.10 m ³)
Min. Installed Storage*	164.5 ft ³ (4.66 m ³)
Weight / Chamber	112 lbs (50.80 kg)
Chambers / Pallet	10
Approx. Weight / Pallet	1,350 lbs (612 kg)



End Cap Specifications	
End Cap Size (L x W x H)	35.0" x 94.0" x 59.3" (889 x 2,388 x 1,506 mm)
Installed Length	32.4" (823 mm)
End Cap Storage	39.6 ft ³ (1.12 m ³)
Min. Installed Storage*	114.46 ft ³ (3.10 m ³)
Weight	79.9 lbs (36.24 kg)



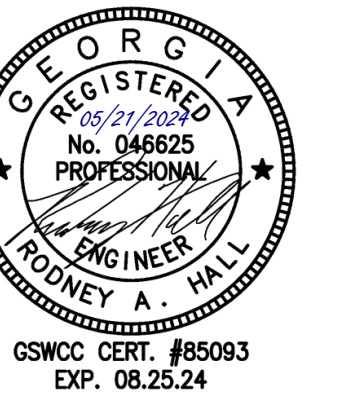
*ASSUMES 12" (300 mm) STONE ABOVE CHAMBERS/END CAPS, 9" (230 mm) OF STONE FOR FOUNDATION STONE, 9" (230 mm) OF STONE BETWEEN CHAMBERS/END CAPS, 12" (150 mm) OF STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

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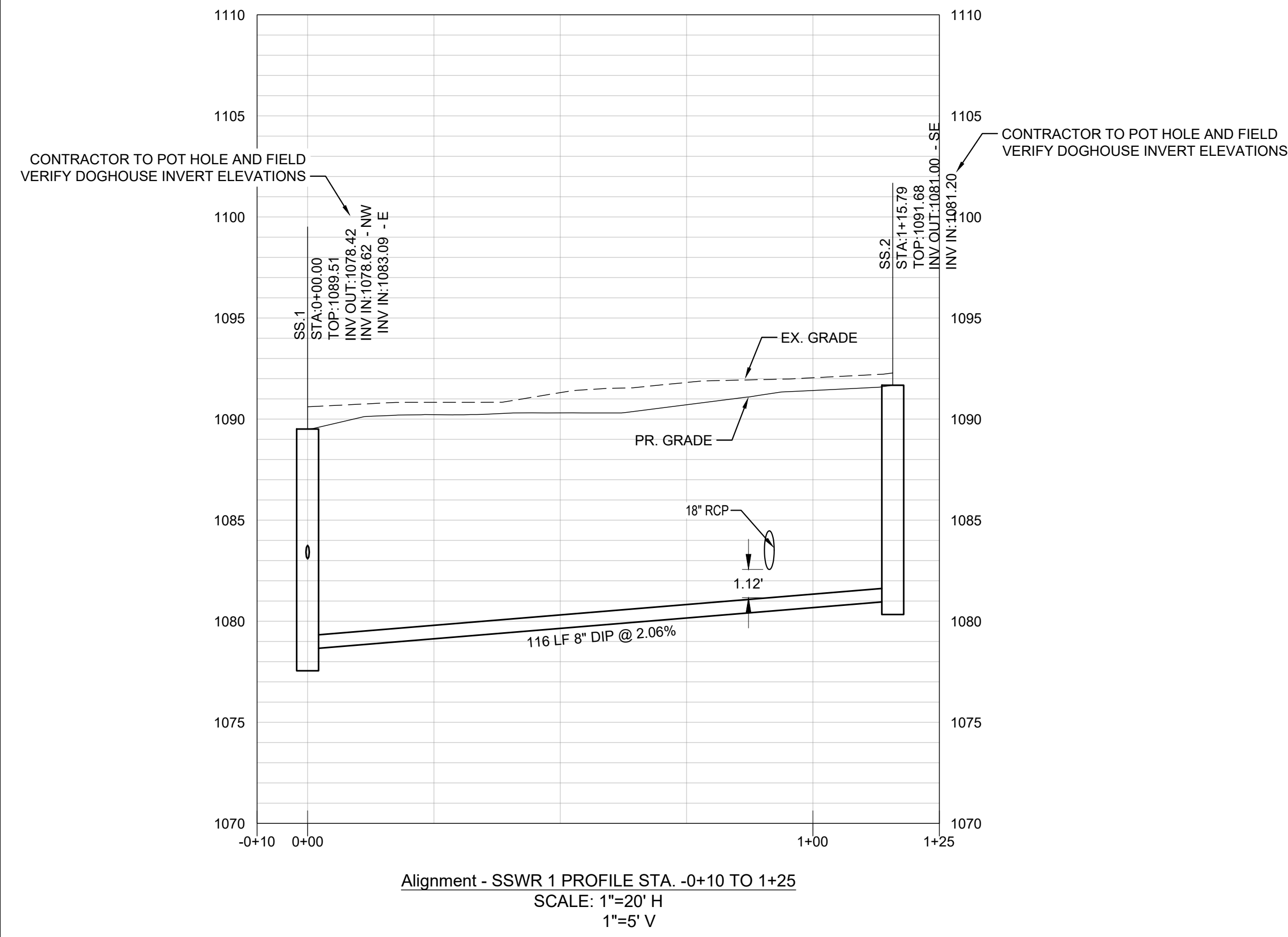
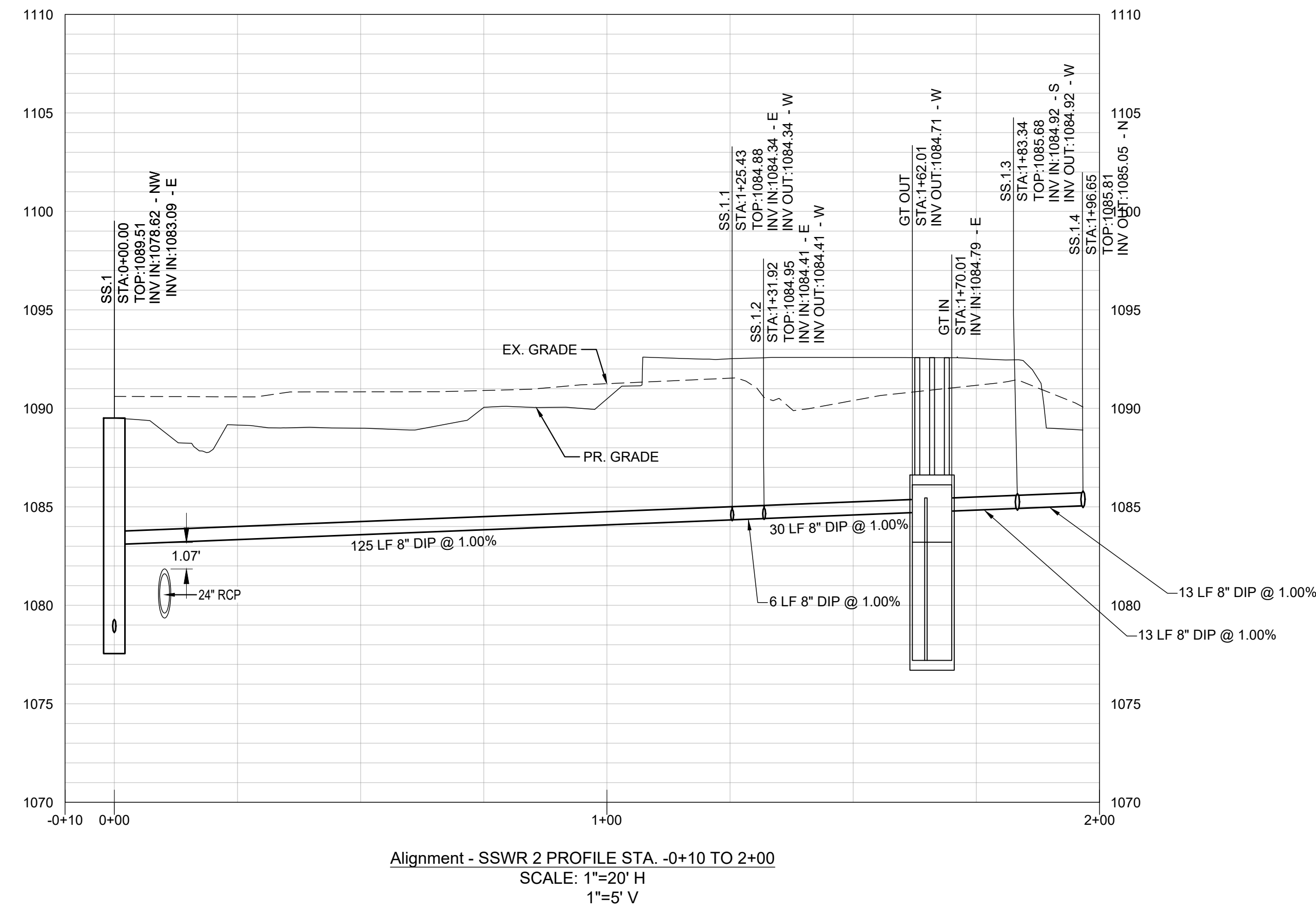
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DRAWN BY: SLE	DATE: 27-Jul-22	DRAWING NUMBER:	
SCALE: NTS	SHEET: 1 OF 1	D-7-501	



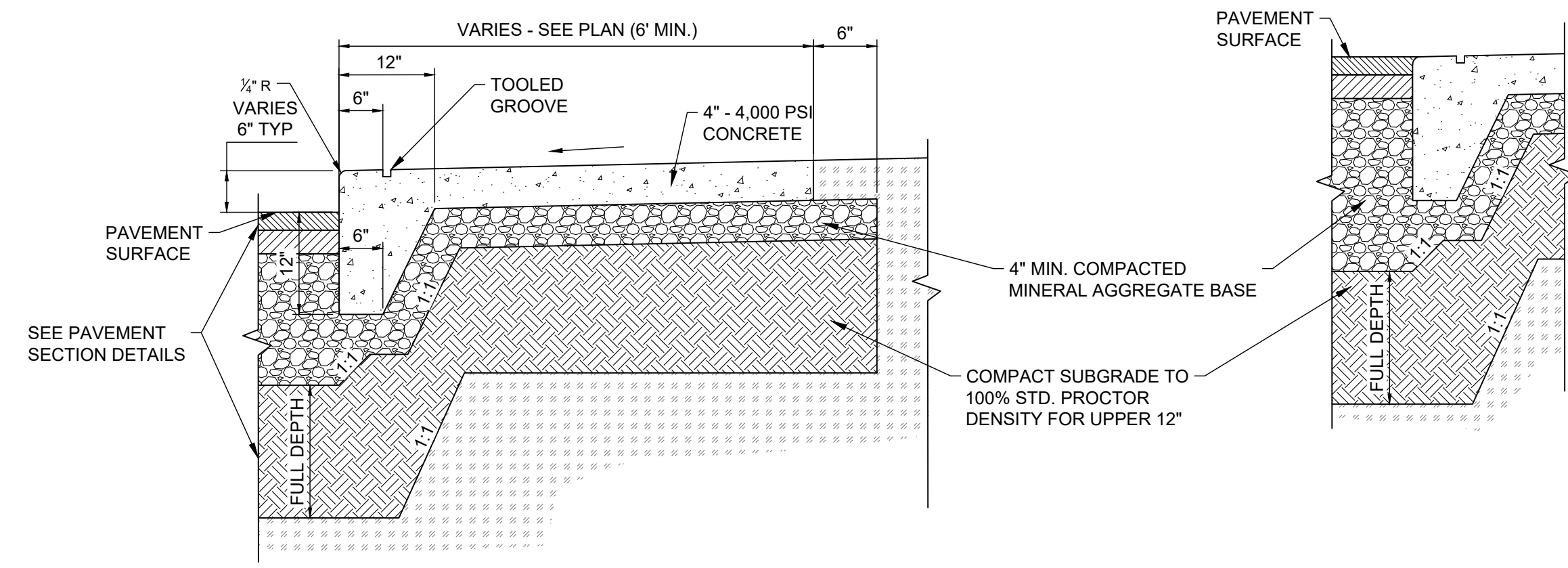
SANITARY SEWER PROFILES
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	BY	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

C4.21
PROJ. NO. : 3808805

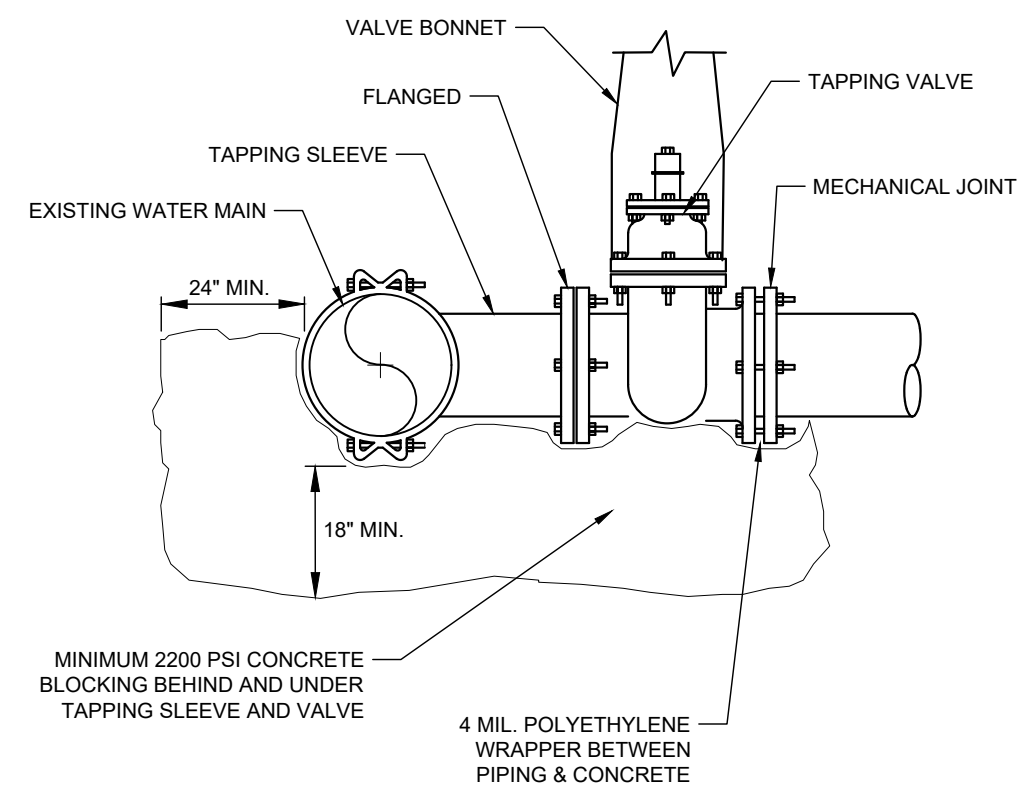


Structure Table			
Node	Description	Northing	Easting
GT IN	GT IN	1401378.7961	2281893.5594
GT OUT	GT OUT	1401376.3321	2281885.9483
SS.1	SANITARY SEWER MANHOLE	1401329.1066	2281732.5618
SS.1.1	WYE CLEANOUT	1401369.5078	2281851.3092
SS.1.2	45 DEGREE BEND	1401367.0632	2281857.3183
SS.1.3	WYE CLEANOUT	1401382.9014	2281906.2398

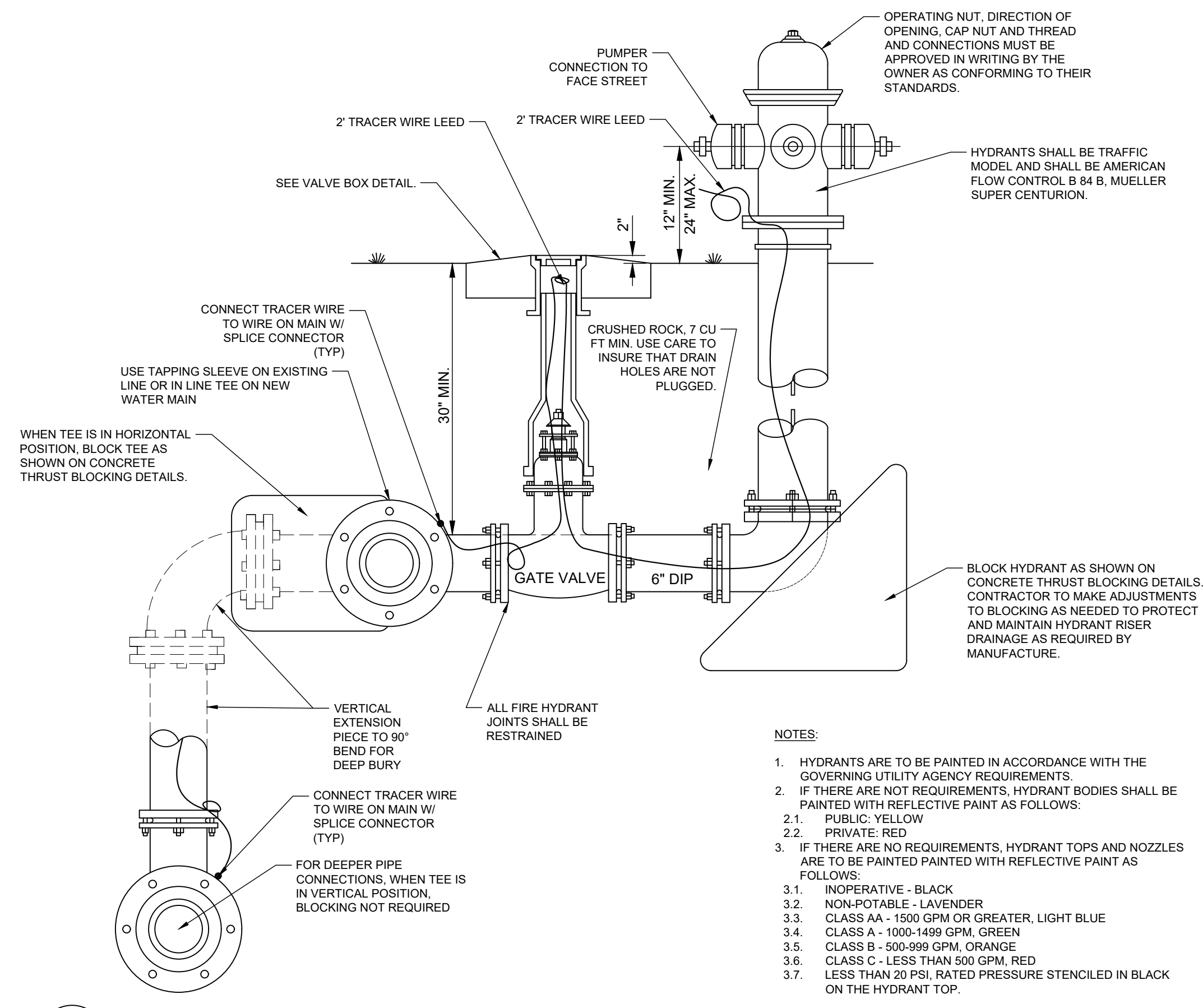


- NOTES:
1. PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 25' CENTERS.
 2. 1/4" CONTRACTION JOINTS SHALL BE EQUALLY SPACED AT 5' CENTERS BETWEEN EXPANSION JOINTS.
 3. SEE PLAN FOR CURB REVEAL HEIGHT.

1
C7.01
6" INTEGRAL CURB AND SIDEWALK
SCALE: NTS
BSI-PVG-5022



3
C7.01
TAPPING SLEEVE AND VALVE
SCALE: NTS
BSI-WTR-3009



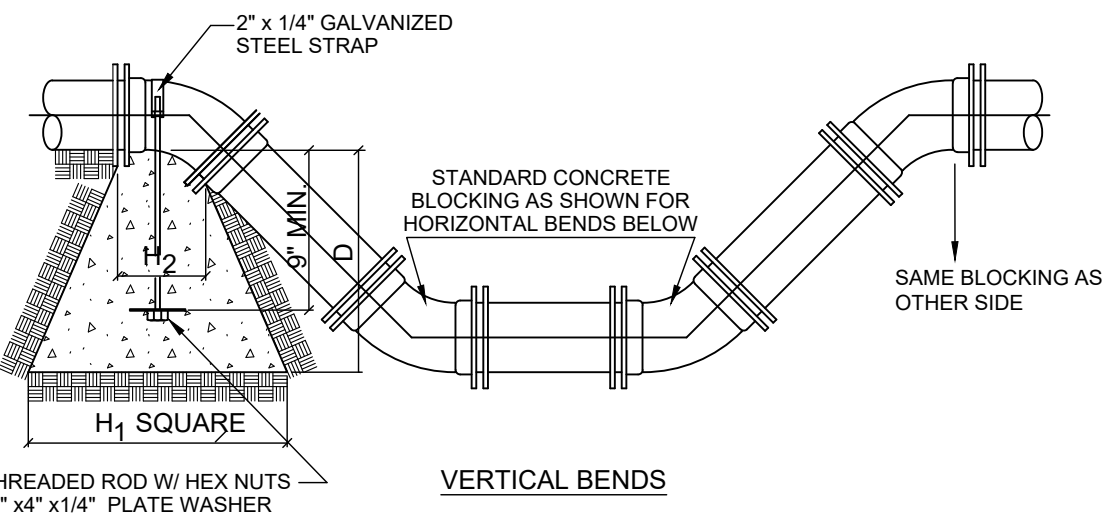
- NOTES:
1. HYDRANTS ARE TO BE PAINTED IN ACCORDANCE WITH THE GOVERNING UTILITY AGENCY REQUIREMENTS.
 2. IF THERE ARE NO REQUIREMENTS, HYDRANT BODIES SHALL BE PAINTED WITH REFLECTIVE PAINT AS FOLLOWS:
 - 2.1. PUBLIC - YELLOW
 - 2.2. PRIVATE - RED
 3. IF THERE ARE NO REQUIREMENTS, HYDRANT TOPS AND NOZZLES ARE TO BE PAINTED WITH REFLECTIVE PAINT AS FOLLOWS:
 - 3.1. INOPERATIVE - BLACK
 - 3.2. NON-POTABLE - LAVENDER
 - 3.3. CLASS AA - 1500 GPM OR GREATER, LIGHT BLUE
 - 3.4. CLASS A - 1000-1499 GPM, GREEN
 - 3.5. CLASS B - 500-999 GPM, ORANGE
 - 3.6. CLASS C - LESS THAN 500 GPM, RED
 - 3.7. LESS THAN 20 PSI, RATED PRESSURE STENCILED IN BLACK ON THE HYDRANT TOP.

4
C7.01
FIRE HYDRANT ASSEMBLY
SCALE: NTS
BSI-WTR-3012

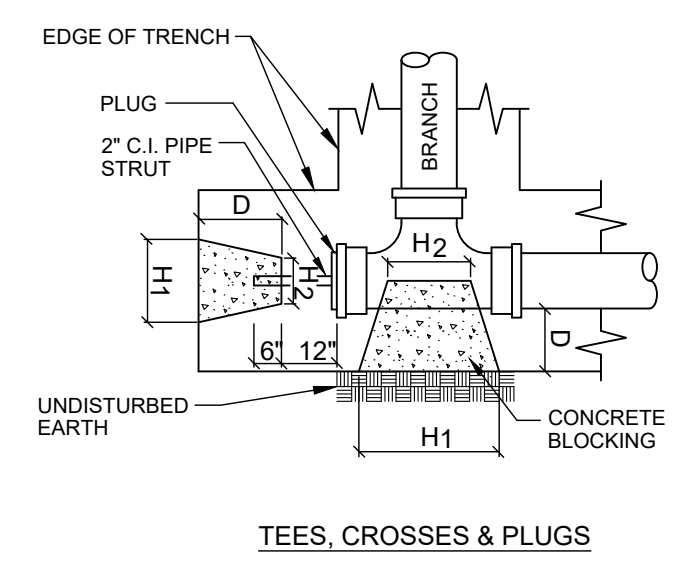
TABLE OF DIMENSIONS FOR CONCRETE BLOCKING

SIZE	TEES, PLUGS & CROSSES				90° BENDS				45° BENDS				22 1/2° BENDS				1 1/4° BENDS				SIZE											
	H ₁	H ₂	V	D	H ₁	H ₂	V	D	H ₁	H ₂	V	D	H ₁	H ₂	V	D	H ₁	H ₂	V	D		PIPE										
2" & 1/4"	18"	10"	12"	18"	1.9	18"	10"	12"	18"	1.9	18"	6"	12"	18"	1.5	18"	6"	12"	18"	1.5	18"	6"	12"	18"	1.5	18"	6"	12"	18"	1.5	2" & 1/4"	
3" & 1/4"	24"	12"	12"	18"	2.3	24"	12"	12"	18"	2.3	18"	8"	12"	18"	1.6	18"	8"	12"	18"	1.6	18"	8"	12"	18"	1.6	18"	8"	12"	18"	1.6	3" & 1/4"	
6"	24"	16"	18"	18"	3.5	30"	16"	18"	18"	4.1	24"	10"	16"	18"	3.2	24"	10"	16"	18"	3.2	24"	10"	16"	18"	3.2	24"	10"	16"	18"	3.2	6"	
8"	36"	18"	18"	18"	5.1	39"	18"	24"	18"	7.3	30"	11"	18"	18"	4.0	24"	11"	18"	18"	3.5	24"	11"	16"	18"	3.4	24"	11"	16"	18"	3.4	8"	
10"	48"	24"	18"	24"	7.2	54"	32"	24"	18"	10.3	24"	18"	21"	18"	4.6	24"	18"	21"	18"	4.6	24"	18"	21"	18"	4.6	24"	18"	21"	18"	4.6	10"	
12"	54"	30"	24"	24"	13.4	54"	32"	36"	24"	18.2	42"	18"	24"	24"	9.6	24"	18"	24"	24"	6.6	24"	18"	21"	24"	6.1	24"	18"	21"	24"	6.1	12"	
14"	60"	32"	30"	24"	17.9	60"	40"	42"	24"	25.0	44"	24"	30"	24"	13.2	30"	24"	24"	24"	9.2	27"	21"	24"	24"	7.9	24"	21"	24"	24"	7.9	14"	
16"	66"	34"	36"	24"	22.5	69"	48"	48"	24"	29.0	48"	30"	36"	24"	17.0	36"	30"	27"	24"	11.8	27"	24"	27"	24"	9.1	24"	24"	24"	24"	9.1	16"	
18"	72"	36"	40"	24"	30.0	72"	48"	60"	24"	38.0	48"	30"	42"	24"	21.0	42"	30"	30"	24"	15.0	30"	30"	36"	24"	13.0	24"	30"	36"	24"	13.0	18"	
20"	84"	38"	42"	24"	36.0	84"	48"	66"	24"	48.0	54"	40"	46"	24"	27.0	48"	36"	36"	24"	19.0	42"	40"	36"	24"	18.0	24"	40"	36"	24"	18.0	20"	
24"	108"	42"	48"	24"	45.0	108"	60"	72"	24"	68.0	60"	48"	56"	24"	41.0	54"	42"	42"	24"	25.0	48"	42"	42"	24"	23.0	24"	48"	42"	42"	24"	23.0	24"
30"	132"	52"	60"	24"	70.0	132"	72"	92"	24"	104.0	72"	48"	76"	24"	58.0	60"	48"	48"	24"	32.0	54"	48"	54"	24"	32.0	24"	54"	48"	54"	24"	32.0	30"
36"	162"	58"	72"	24"	100.0	162"	96"	108"	24"	150.0	84"	72"	84"	24"	85.0	66"	72"	60"	24"	50.0	60"	48"	60"	24"	40.0	24"	60"	48"	60"	24"	40.0	36"

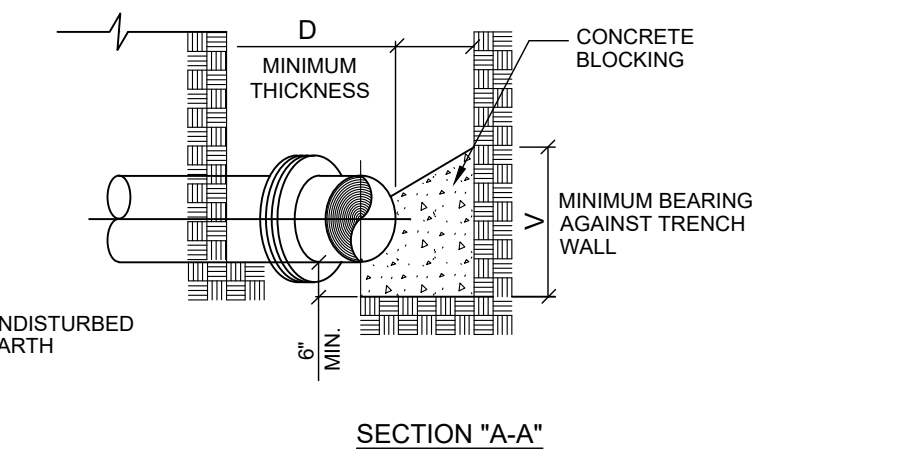
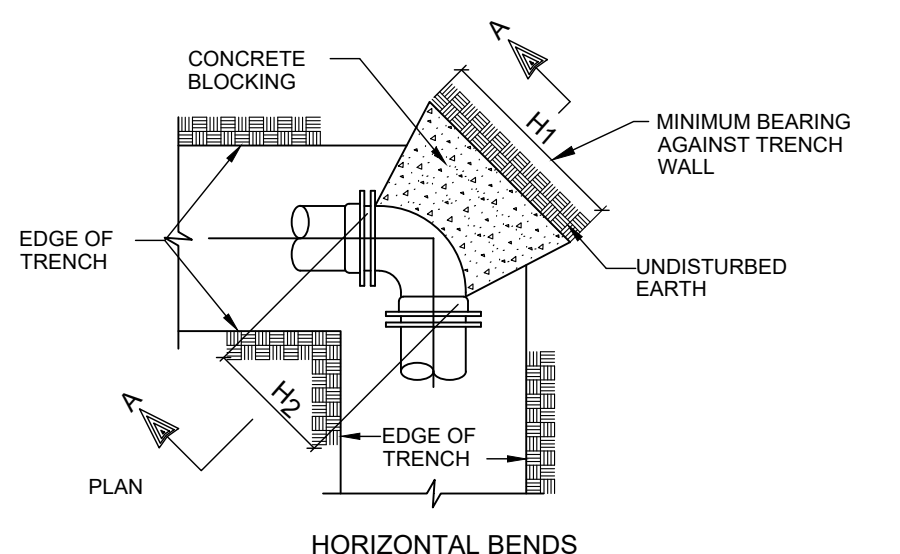
- NOTES:
1. DO NOT COVER BELLS OR FLANGES WITH CONCRETE
 2. WRAP ALL FITTINGS WITH POLYETHYLENE PLASTIC SHEETING.
 3. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
 4. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
 5. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
 6. REACTION BACKING TABLE IS BASED ON WATER MAIN PRESSURE AT 100 P.S.I. AND SOIL BEARING PRESSURE OF 2,500 LB. / SQ. FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
 7. ALL CONCRETE SHALL BE 5000 P.S.I. MINIMUM.
 8. 18" AND LARGER REQUIRES SPECIFIC ANTI-THRUST DESIGN.
 9. ALL 90 DEGREE BENDS ON PVC SERVICE LINES (INCLUDING 1"-2" LINES) SHALL BE BACKED WITH CONCRETE.



5
C7.01
THRUST BLOCKING
SCALE: NTS
BSI-GUT-2011



TEES, CROSSES & PLUGS



NOTE: DIMENSIONS ARE CONTROLLED BY DIAMETER OF BRANCH MAIN.

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID



GSMCC CERT. #65093
EXP. 08.25.24

SITE DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

C7.02

PROJ. NO. : 3808805

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

STANDARD PIPE CULVERT CONCRETE HEADWALL

REV. & RECD. AUG. 1999
NUMBER 1001-B

DESIGNED BY: *Joseph L. Smith*
STATE ENGINEER
CHECKED BY: *Clayton L. Smith*
PROJECT ENGINEER

NO SCALE

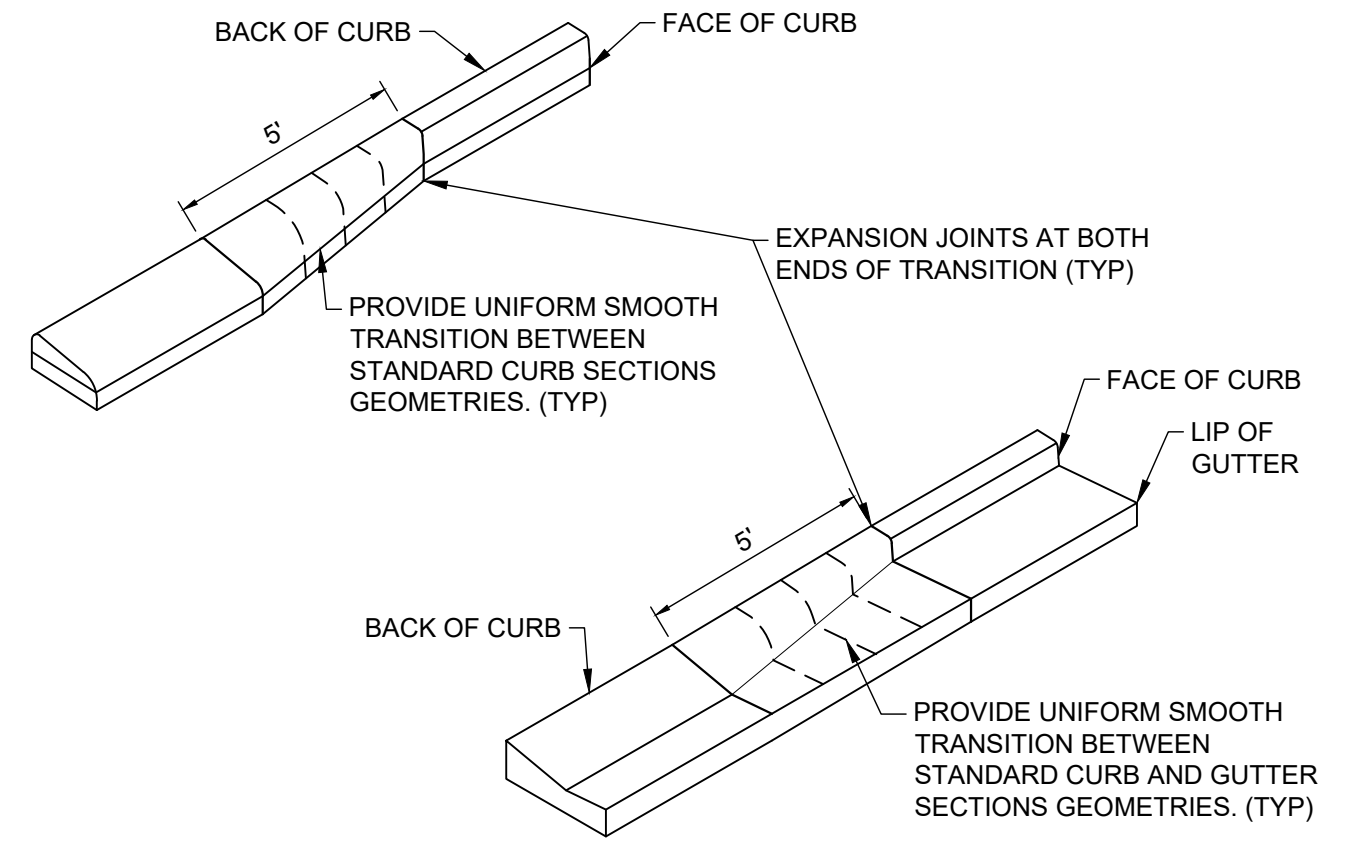
KEYED NOTES: ○

- STANDARD CURB AND GUTTER.
- CONCRETE PAVEMENT SECTION.

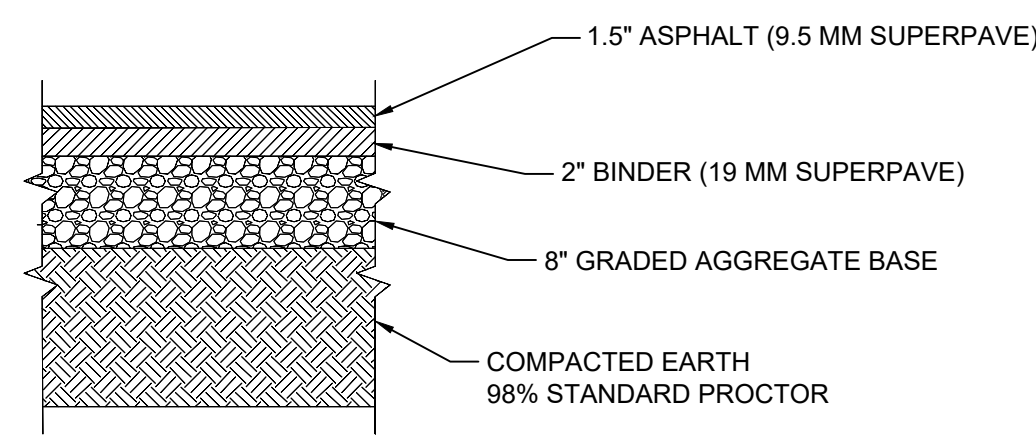
1. RIGID CONCRETE PAVEMENT SECTIONS
2. FLEXIBLE PAVEMENT SECTIONS

JUNCTURE OF FLEXIBLE PAVEMENT AND HEAVY DUTY CONCRETE PAVEMENT

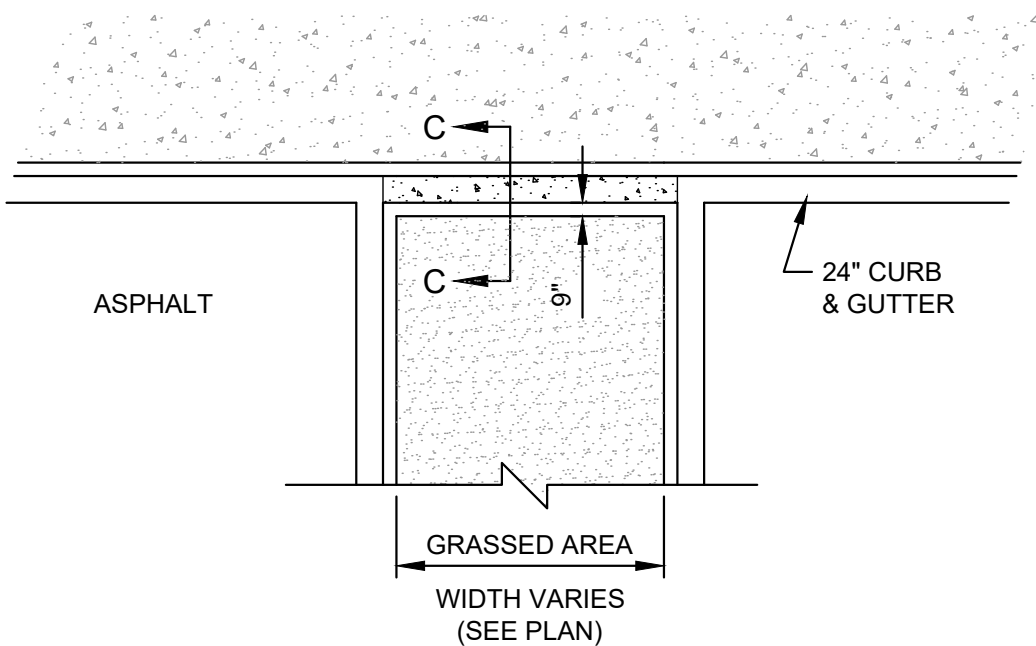
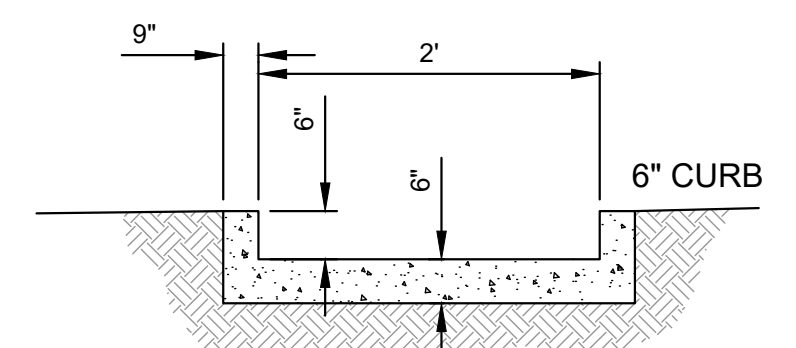
SCALE: NTS



2 CURB AND GUTTER TRANSITIONS BETWEEN STANDARD SECTIONS
SCALE: NTS
BSI-PVG-5096

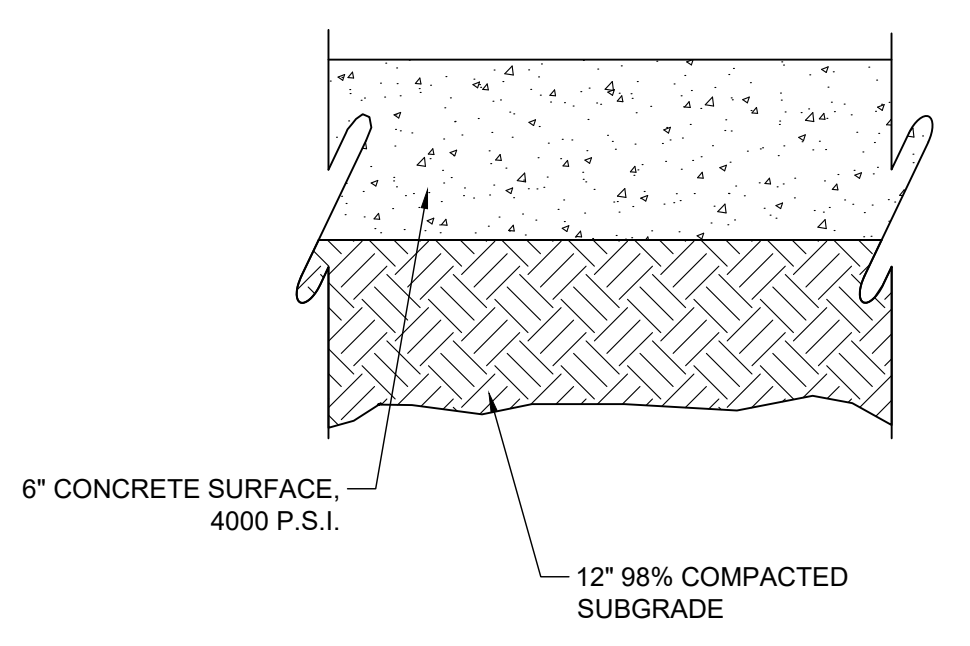


3 HEAVY DUTY ASPHALT PAVEMENT
SCALE: NTS

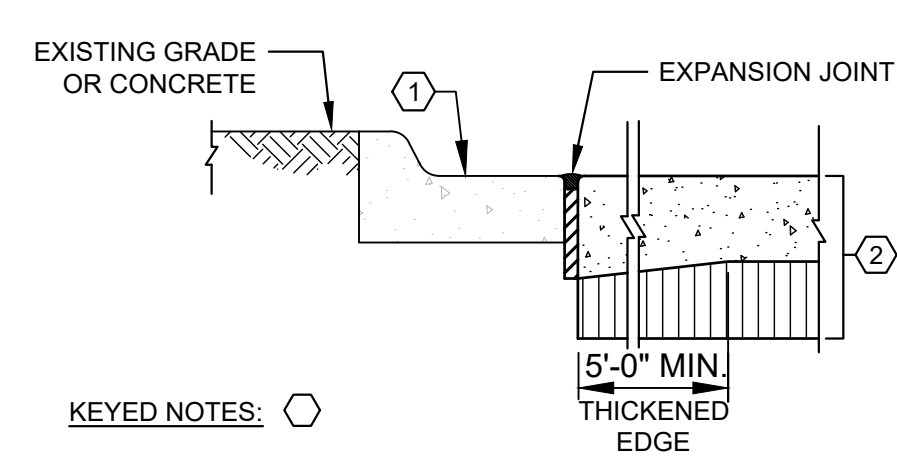


6 CONCRETE FLUME
SCALE: NTS

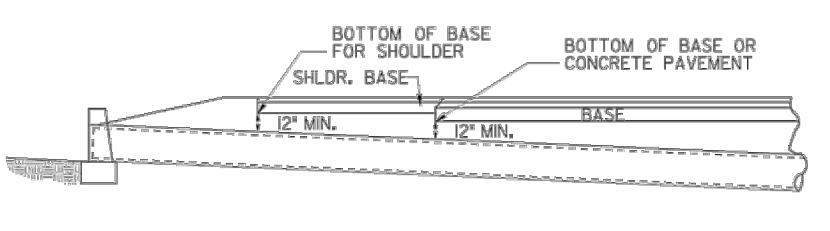
1 PIPE CULVERT CONCRETE HEADWALL
SCALE: NTS



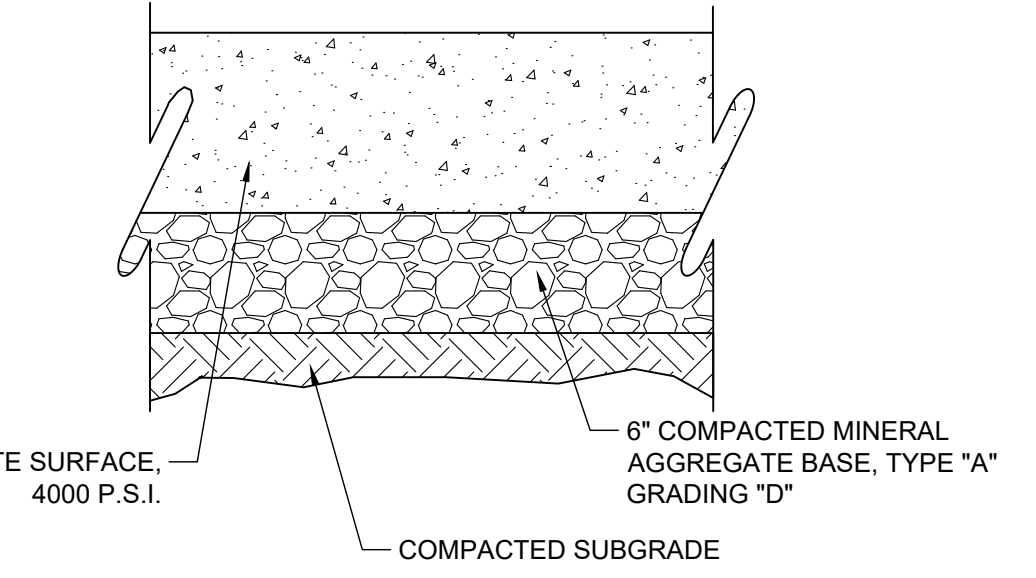
4 CONCRETE DUMPSTER PAD
SCALE: NTS



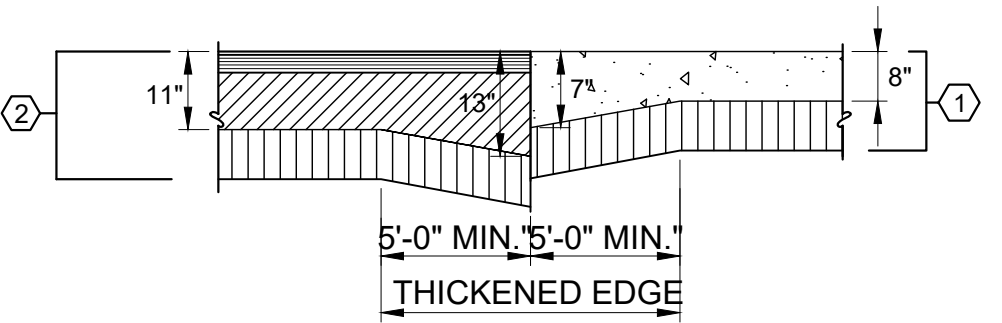
7 JUNCTURE OF RIGID PAVEMENT WITH CURB AND GUTTER
SCALE: NTS



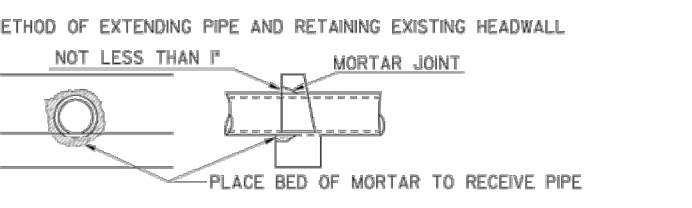
NOTE: GRADE GENERALLY TO FOLLOW SLOPE OF STREAM.



5 HEAVY DUTY CONCRETE PAVEMENT
SCALE: NTS



8 JUNCTURE OF FLEXIBLE PAVEMENT AND HEAVY DUTY CONCRETE PAVEMENT
SCALE: NTS



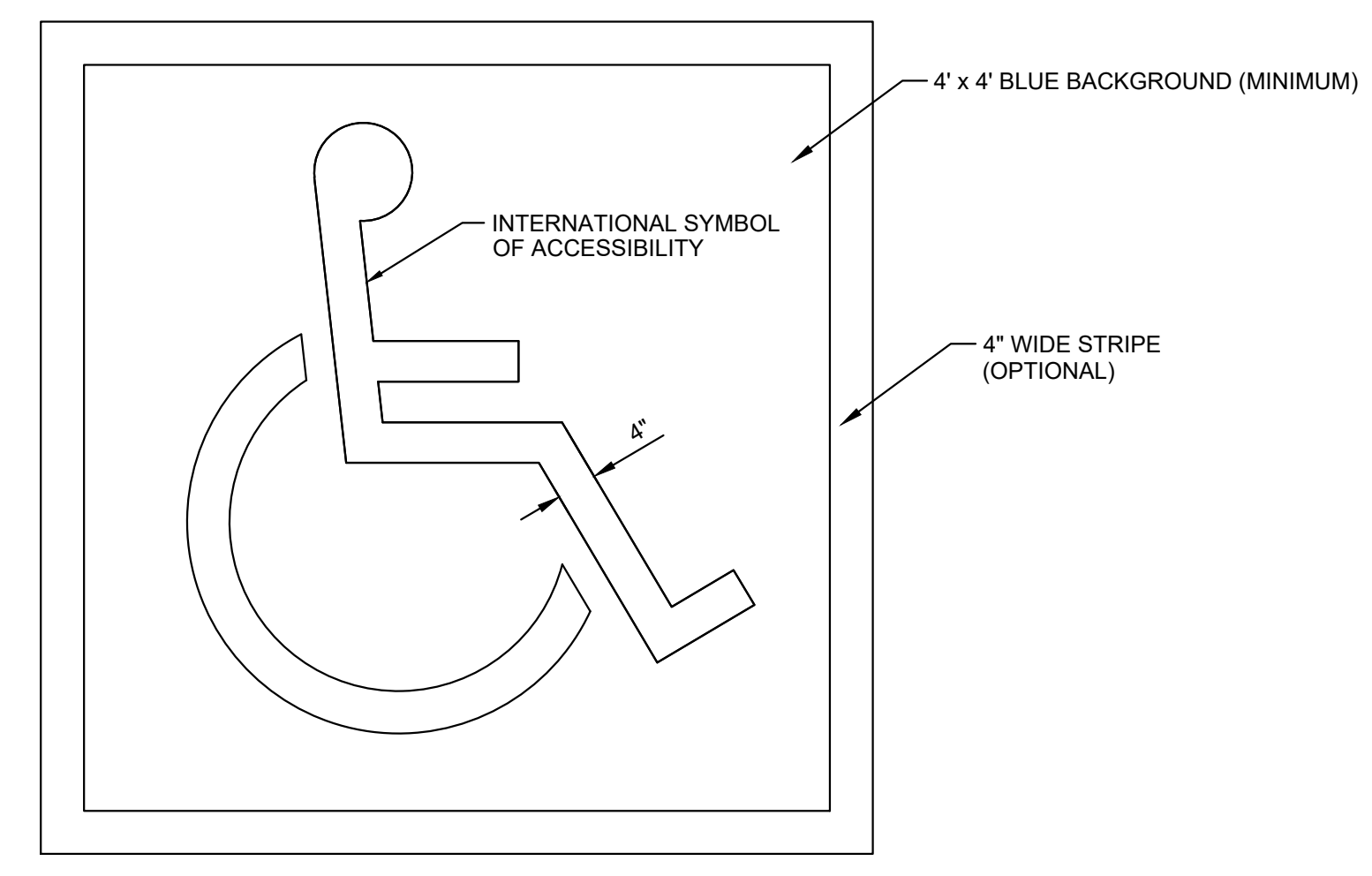
CONCRETE WITHIN THE HATCHED AREA TO BE REMOVED BY CHIPPING OR IN A MANNER APPROVED BY THE ENGINEER, FORMING A RECESS NO LESS THAN 1" LARGER THAN THE OUTSIDE DIMENSION OF THE PIPE.

NOTE TO DESIGNER

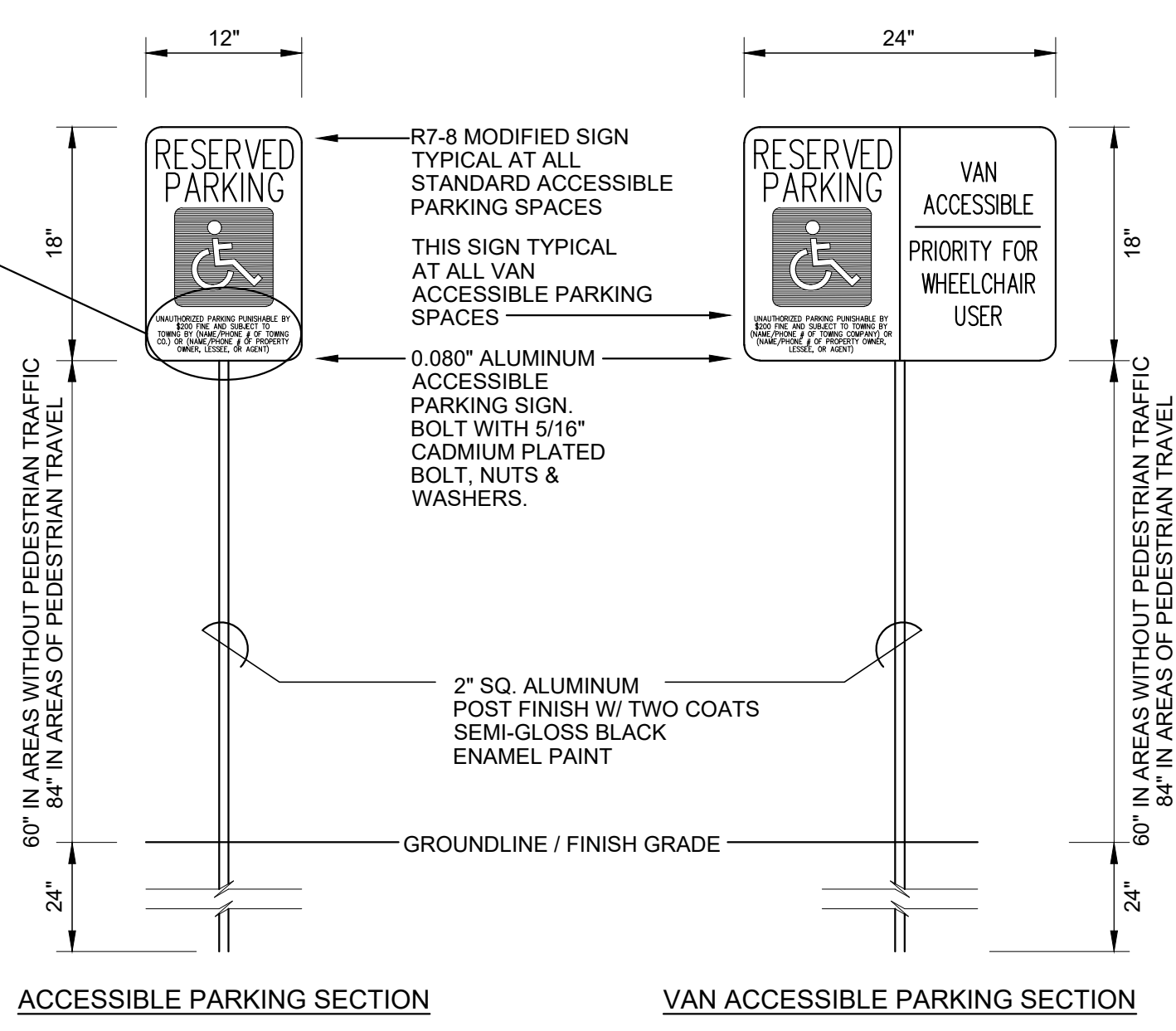
THIS STANDARD IS LIMITED FOR USE ONLY AT SPECIAL CONDITIONS, OTHERWISE, SEE CURRENT STANDARDS 102 & 102S. HEADWALLS ARE NOT TO BE PLACED INSIDE THE CLEAR ZONE.

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

ACCESSIBLE PARKING SIGNS

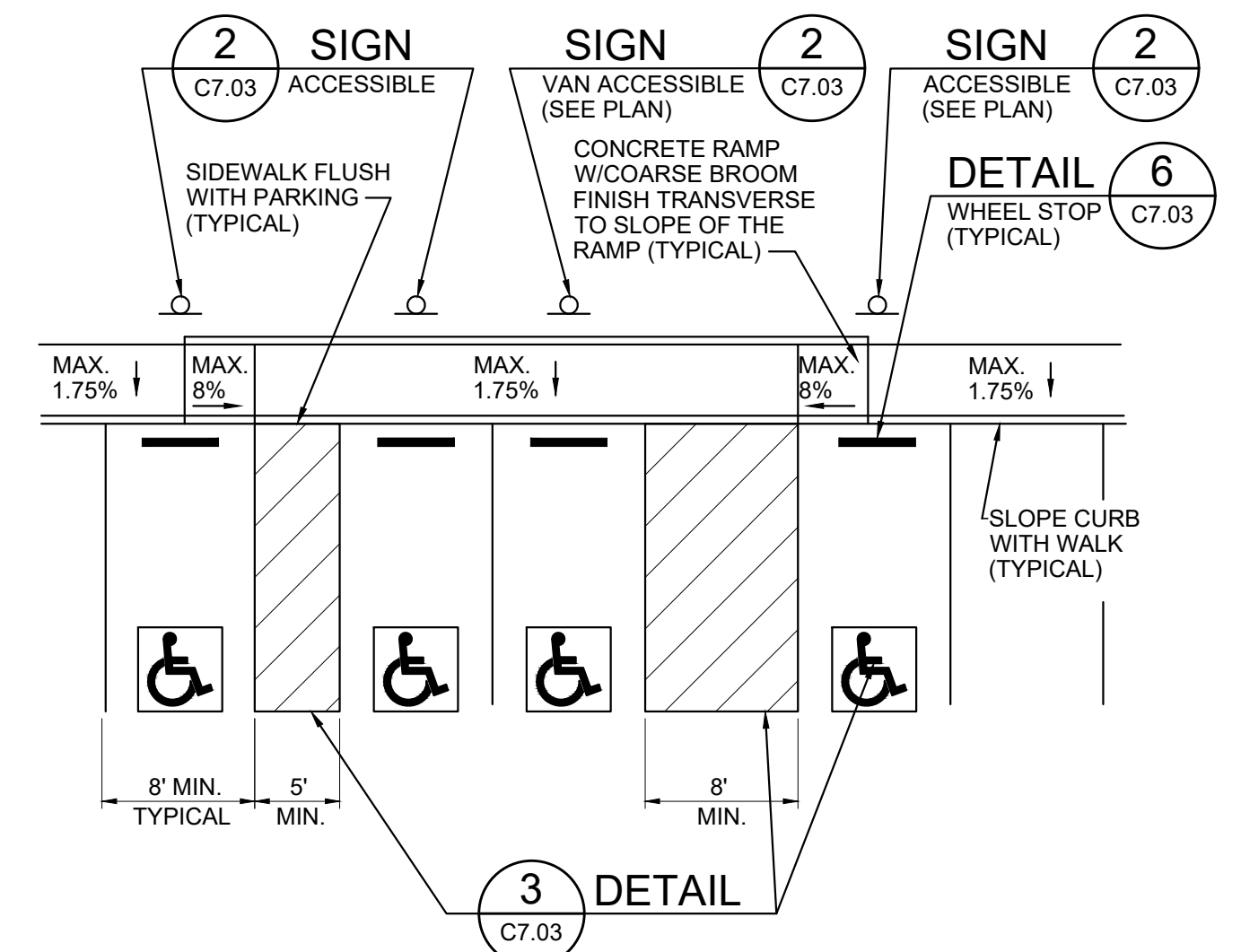


- NOTES:
- SEE SITE PLAN FOR COMPLETE LAYOUT
 - THESE DETAILS ARE FOR REFERENCE AND DIMENSION CONTROL ONLY
 - ALL DIMENSIONS ARE TO CENTER LINE OF STRIPE UNLESS OTHERWISE NOTED
 - STROKE WIDTH SHALL BE 4"
 - 8' ACCESS AISLE SHALL BE PLACED ON PASSENGER SIDE OF VAN ACCESSIBLE SPACE
 - INTERNATIONAL SYMBOL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

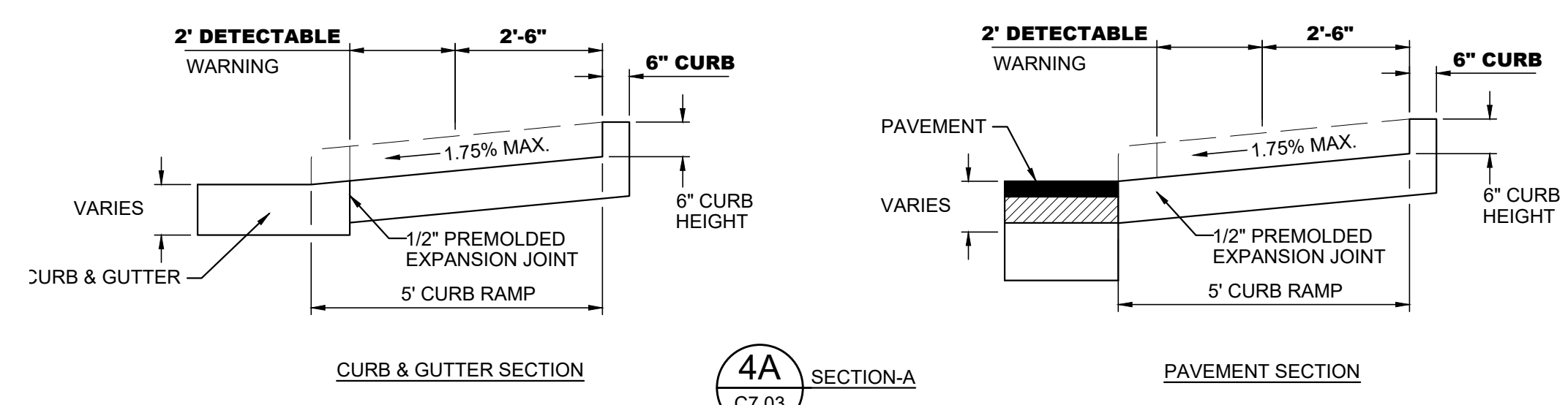


- NOTES:
- REFERENCE: M.U.T.C.D.

2 ACCESSIBLE PARKING SIGNS
C7.03 NTS

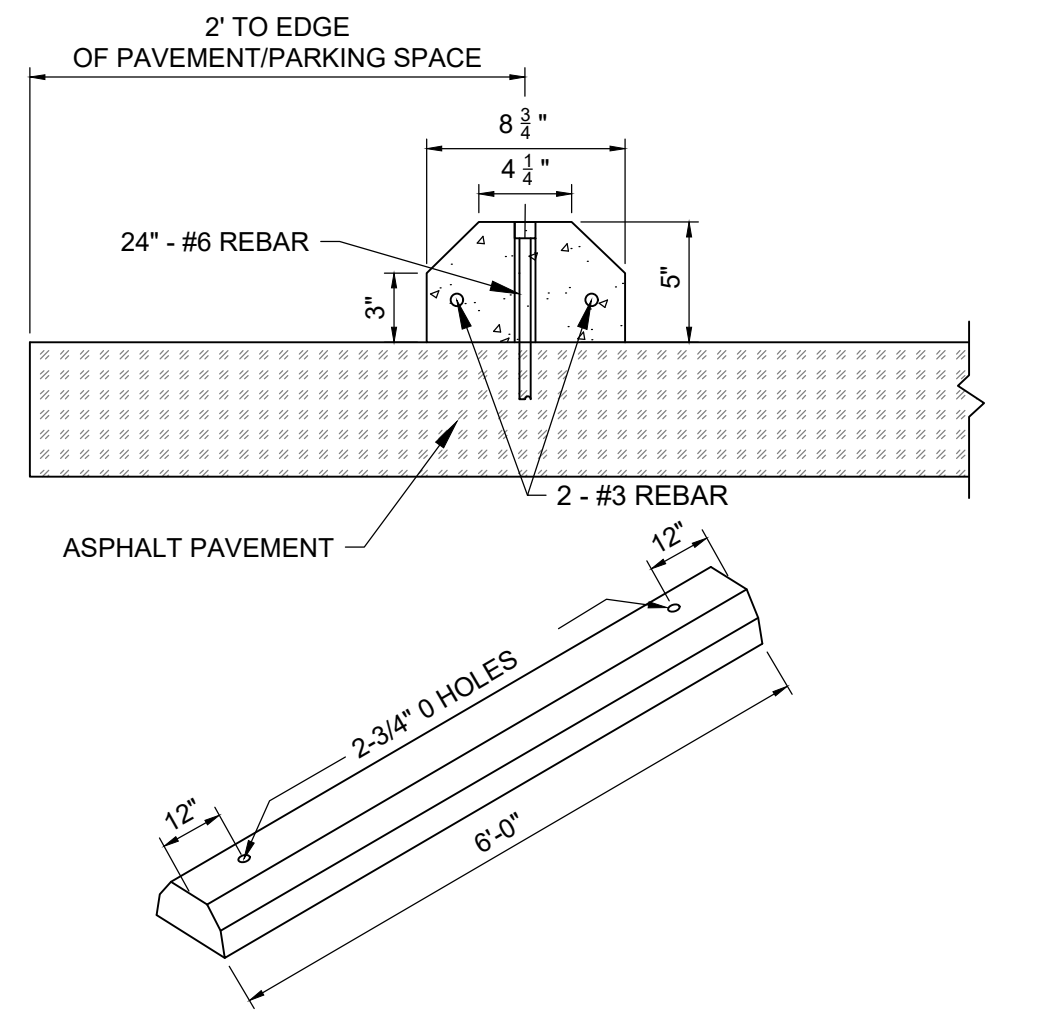


1 ACCESSIBLE PARKING DETAIL
C7.03 NTS



4A SECTION-A
C7.03

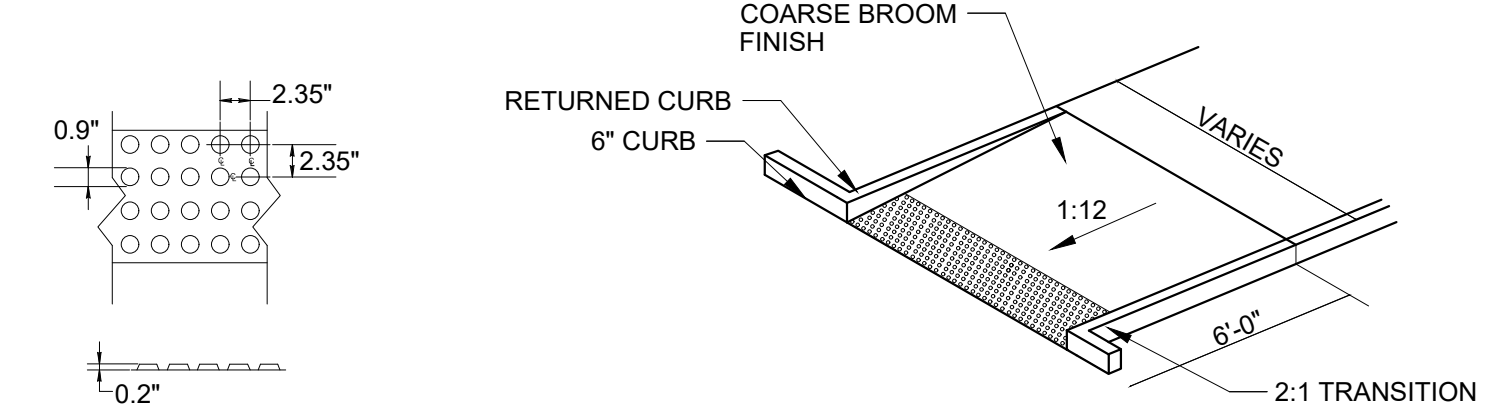
4B SECTION-B
C7.03



6 CONCRETE WHEEL STOP
C7.03 NTS

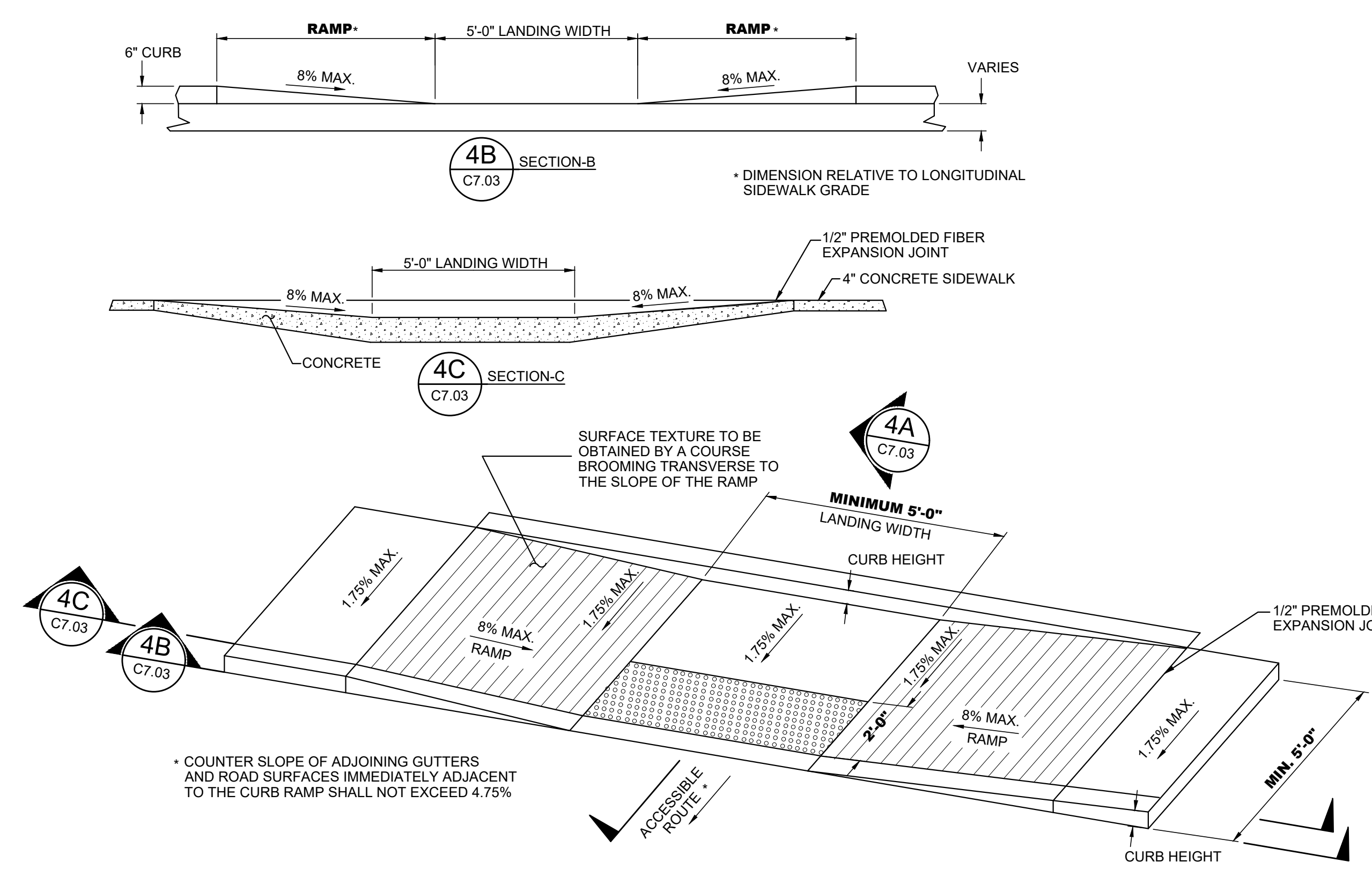
3 ACCESSIBLE PARKING PAVEMENT MARKINGS
C7.03 NTS

- NOTES:
- DETECTABLE WARNINGS SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
 - THE DETECTABLE WARNING SHALL BE LOCATED DIRECTLY BEHIND THE 6" FLUSH CURB.
 - TRUNCATED DOMES SHALL HAVE A DIAMETER OF 0.9 INCH AT THE BOTTOM, 0.4 INCH AT THE TOP, A HEIGHT OF 0.2 INCH, AND A CENTER-TO-CENTER SPACING OF 2.35 INCHES MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT.
 - DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
 - THE CONTRACTOR SHALL SUBMIT PRODUCT INFORMATION AND COLOR SAMPLES TO A/E FOR APPROVAL PRIOR TO ORDERING.

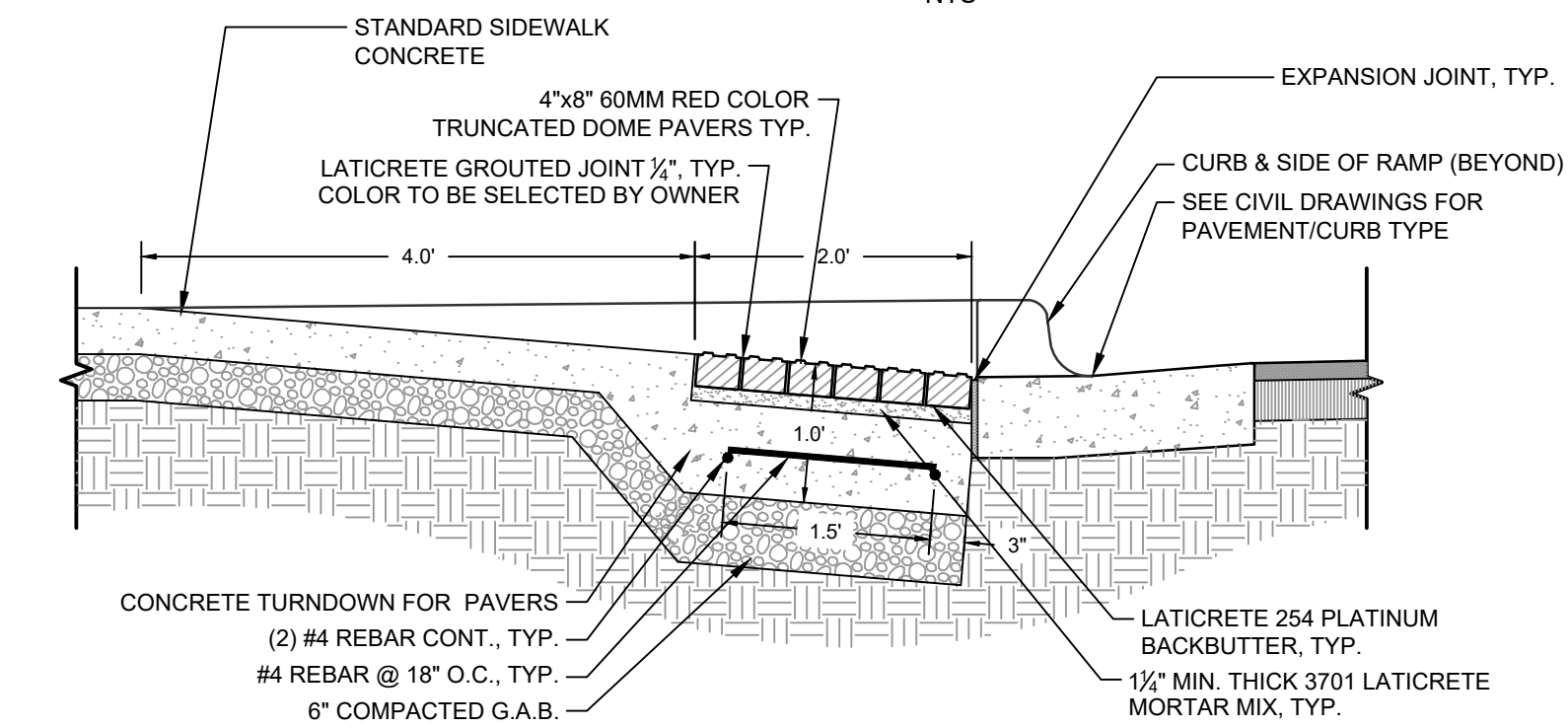


DOME SPACING
NTS

RETURN CURB RAMP
NTS



4 PARALLEL CURB RAMP
C7.03 NTS



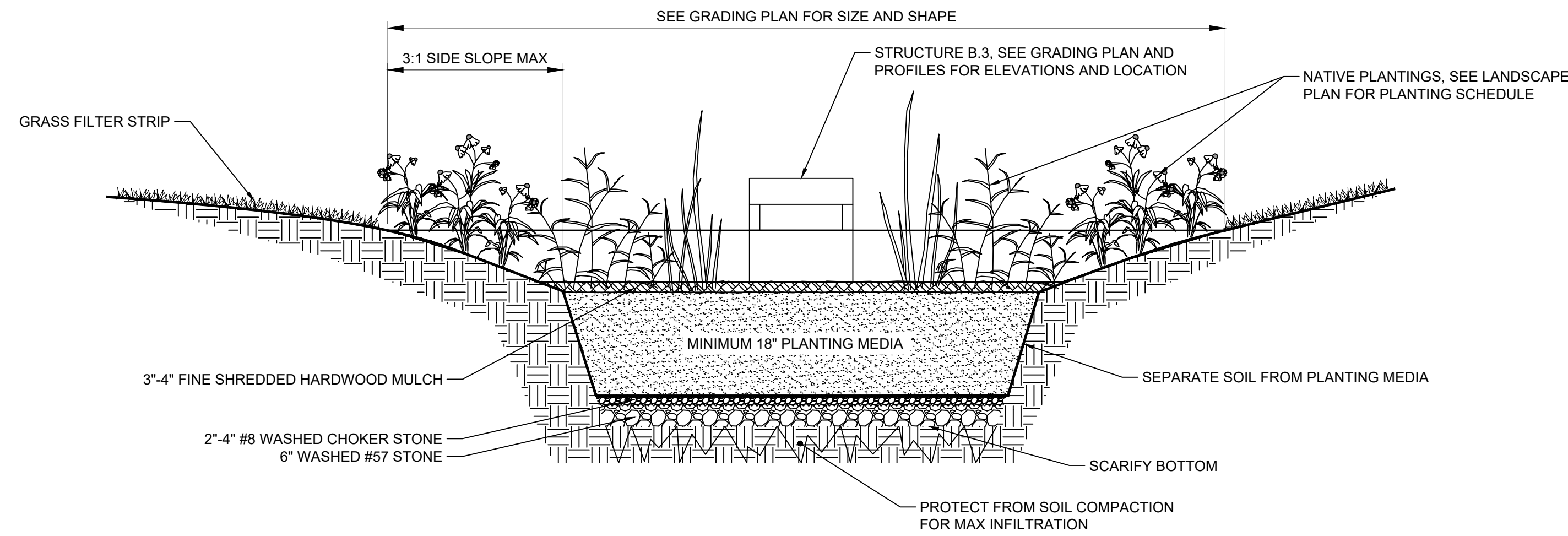
- NOTES:
- SLOPE PAVERS ACCORDING TO GRADING PLAN.
 - MAXIMUM VERTICAL DIFFERENCE BETWEEN TOP OF ADJACENT PAVERS SHALL BE 1/8" MISSHAPEN OR DEFORMED PAVERS ARE NOT ACCEPTABLE.

5 ADA CURB RAMP & DETECTABLE WARNING STRIP DETAIL
C7.03 NTS

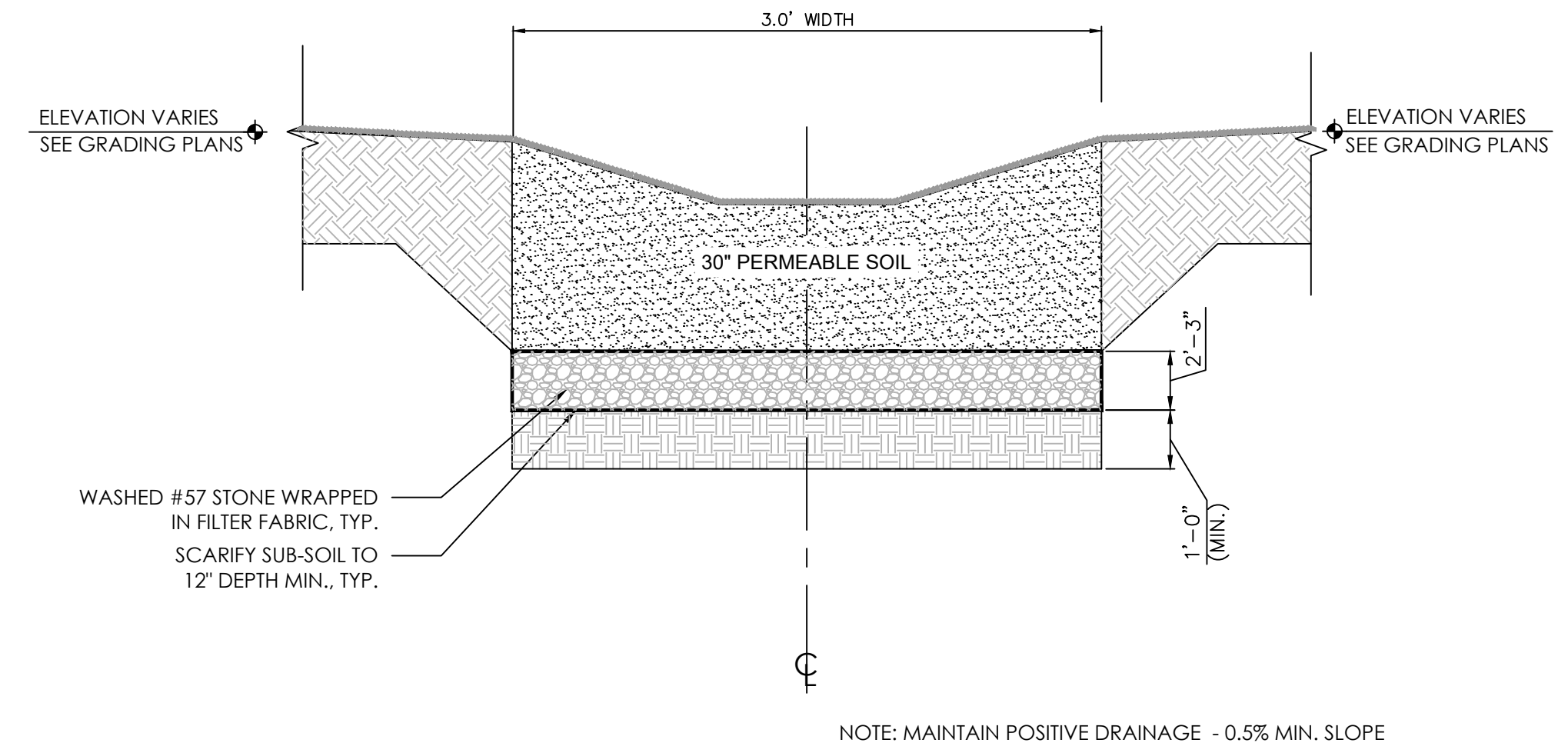
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SAVED:5/20/24
PLOTTED:5/20/24

SUGGESTED CONSTRUCTION SEQUENCING:

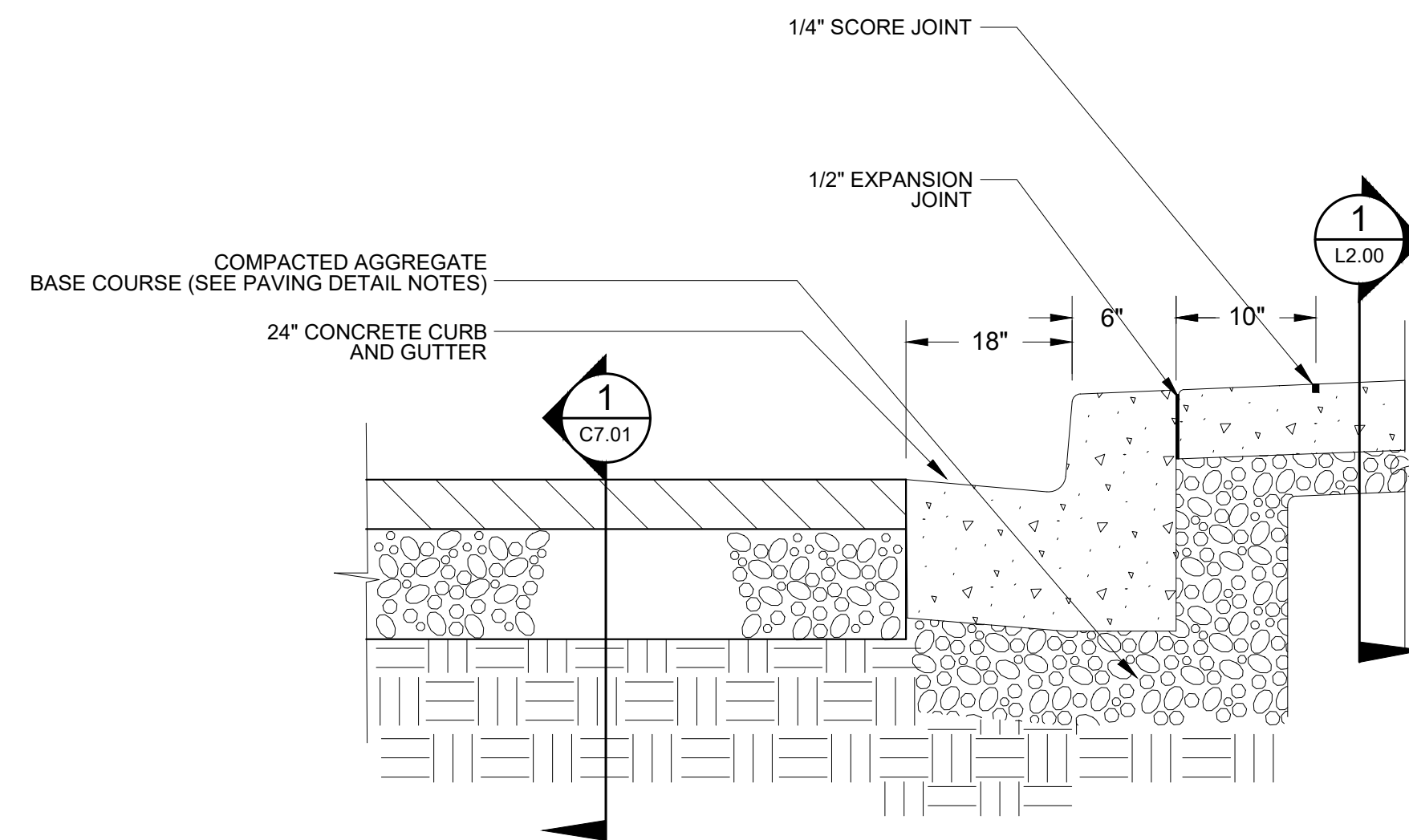
1. INSTALL APPROPRIATE TEMPORARY EROSION CONTROL DEVICES TO PREVENT SEDIMENT FROM LEAVING OR ENTERING THE PRACTICE DURING CONSTRUCTION.
2. ALL DOWN-GRADIENT PERIMETER SEDIMENT CONTROL BMP'S MUST BE IN PLACE BEFORE ANY UP-GRADIENT LAND DISTURBING ACTIVITIES BEGIN.
3. PERFORM CONTINUOUS INSPECTIONS OF EROSION CONTROL PRACTICES, ESPECIALLY AFTER EACH RAINFALL EVENT.
4. INSTALL ALL UTILITIES PRIOR TO SETTING FINAL GRADE OF BIORETENTION DEVICE.
5. IF BIORETENTION AREAS ARE BEING USED AS TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION, LEAVE A MINIMUM OF 1.0' OF COVER OVER THE PRACTICE TO PROTECT THE UNDERLYING SOILS FROM CLOGGING.
6. COMPLETE, STABILIZE, AND VEGETATE ALL OTHER SITE IMPROVEMENTS.
7. CONSTRUCT AND VEGETATE BIORETENTION DEVICE FOLLOWING STABILIZATION OF CONTRIBUTING DRAINAGE AREA. ENSURE THAT CRITICAL ELEVATIONS, SUCH AS TOP OF MEDIA, TOP OF MULCH, AND INVERT OF OVERFLOW STRUCTURE ARE CORRECT.
8. REMOVE TEMPORARY EROSION CONTROL DEVICES AFTER THE CONTRIBUTING DRAINAGE AREA IS ADEQUATELY VEGETATED.



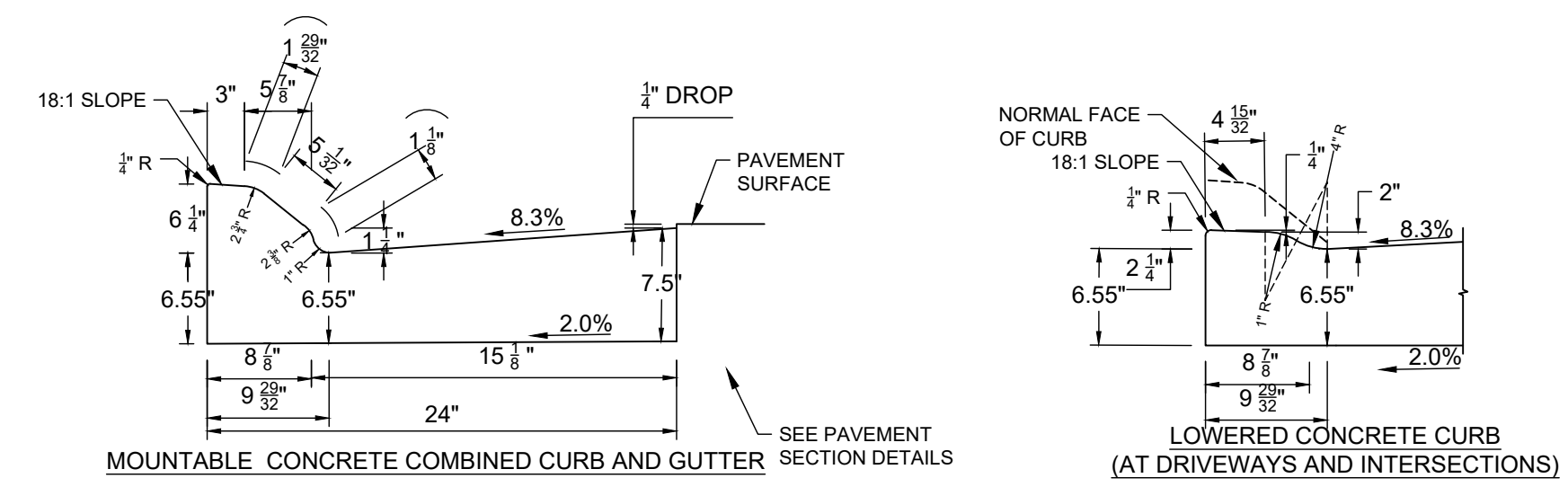
1 BIORETENTION AREA
C7.04 NTS



2 INFILTRATION TRENCH
C7.04 NTS



3 24" CURB & GUTTER SECTION
C7.04 NTS



NOTES:

1. CONCRETE AND CONSTRUCTION TO CONFORM TO REQUIREMENTS OF THE GDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
2. THE FRONT FACE CURBS FOR ALL DEGREES OF CURVATURE SHALL CONFORM TO THE CONTOUR OF THE CURVE AND NO CHORD SECTIONS WILL BE PERMITTED.
4. EXPANSIONS JOINTS SHALL BE PLACED AS FOLLOWS:
 - 4.1. TANGENT POINTS OF CIRCULAR CURBS.
 - 4.2. BETWEEN CURBS AND ABUTTING RIGID OBJECTS, INCLUDING SIDEWALKS IF NOT INTEGRATED.
 - 4.3. IN LINE WITH ADJACENT CONCRETE PAVEMENT JOINTS.
 - 4.4. MAXIMUM SPACING OF 100'
5. 3.5\"/>
- 6. EXPANSIONS JOINTS SHALL 3/8\"/>
- 7. EDGES OF JOINTS SHALL BE FINISHED WITH 1/2\"/>
- 8. FOR DETACHED CURB, OMIT RADIUS AT FLOW LINE.
- 9. WHEN USED ON HIGHSIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER PAN SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT.

4 MOUNTABLE CURB
C7.04 NTS



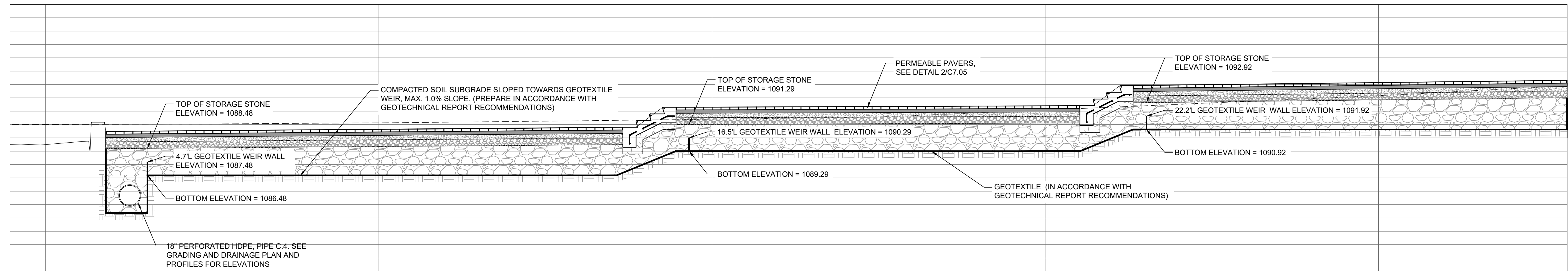
GSMCC CERT. #85093
EXP. 08.25.24

SITE DETAILS
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

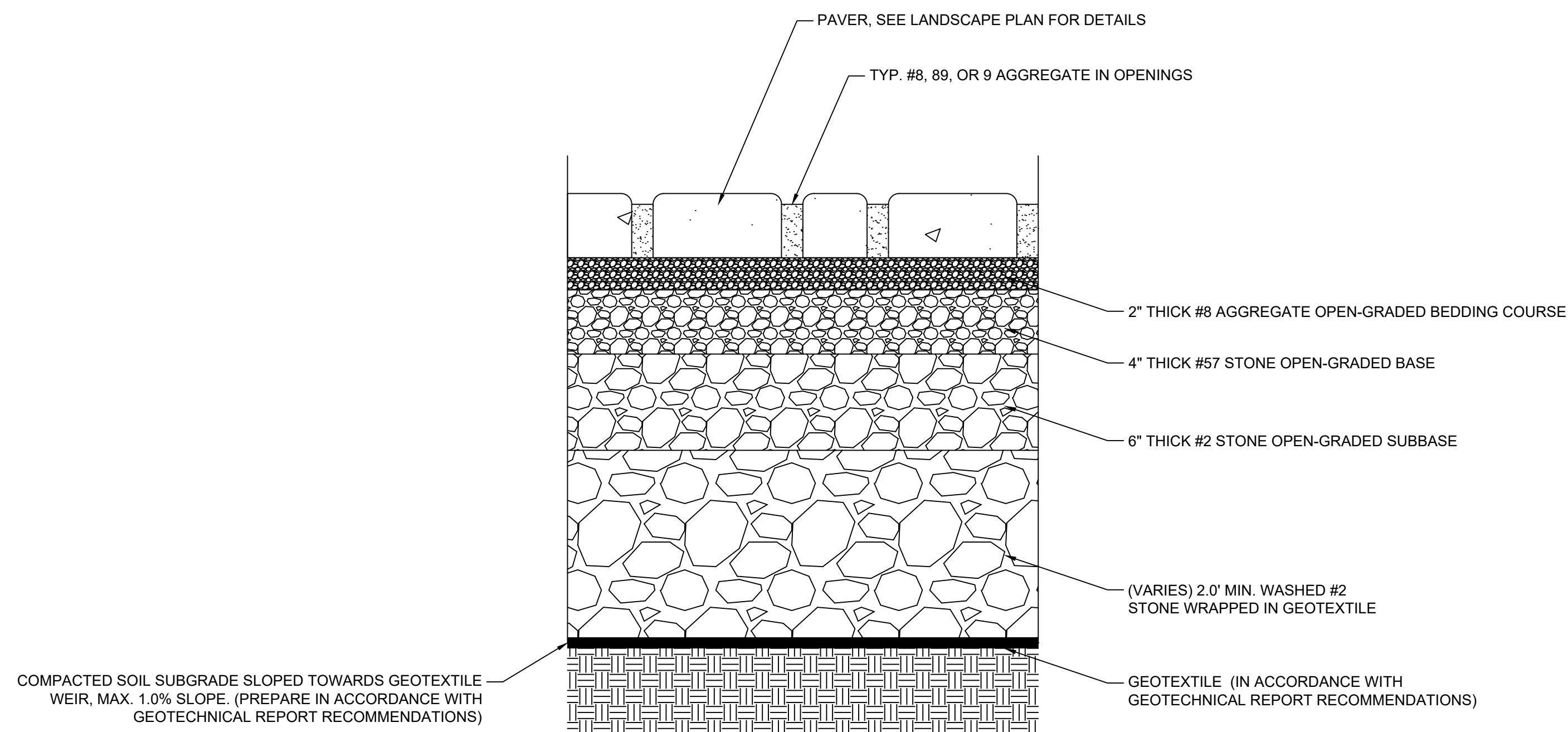
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0	RAH	RAH	05/21/2024	ISSUED FOR BID

C7.04

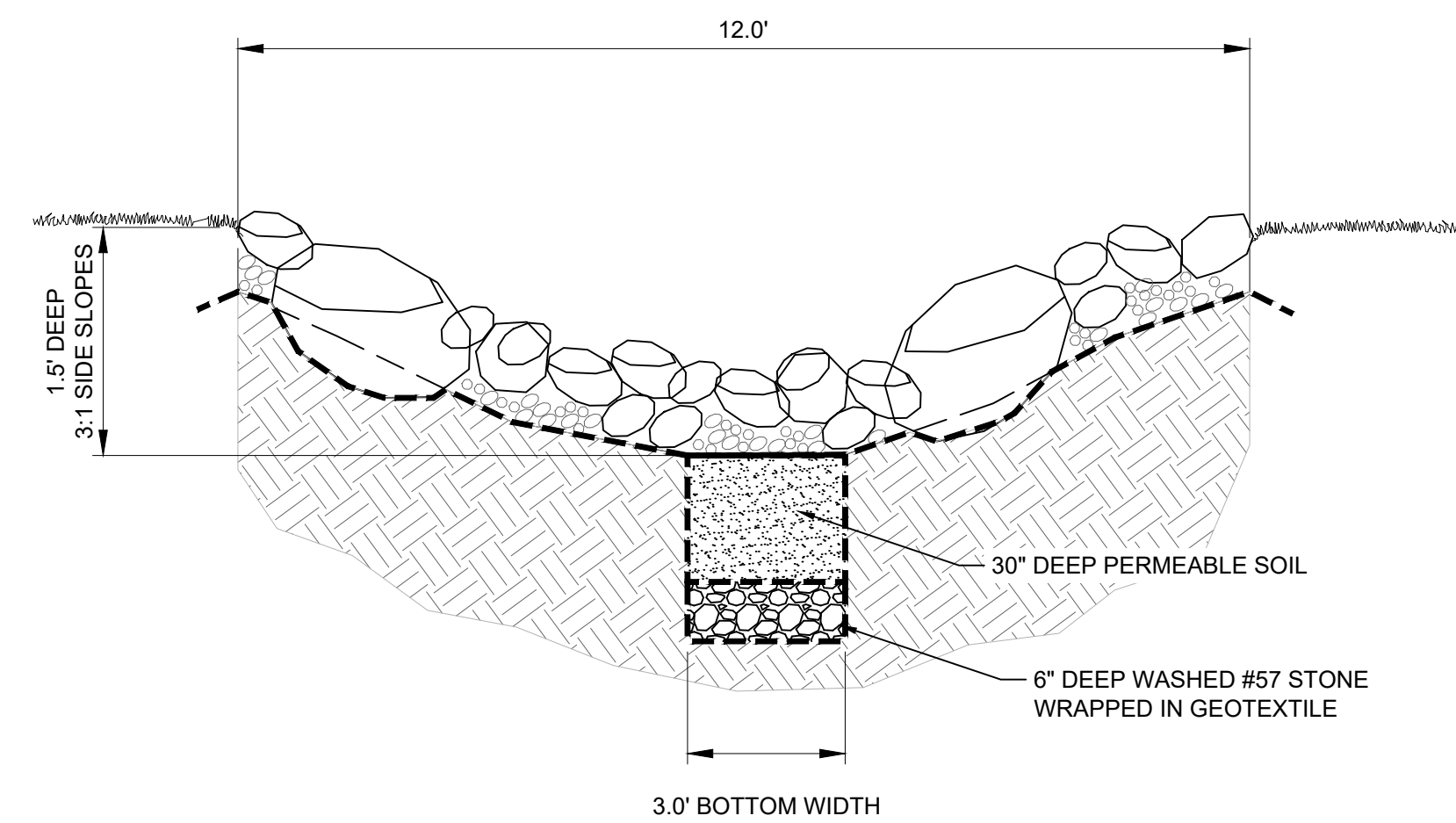
PROJ. NO. : 3808805



1 LONGITUDINAL CROSS-SECTION OF PERMEABLE PAVERS
C7.05 NTS



2 PERMEABLE PAVERS
C7.05 NTS



3 ENHANCED SWALE
C7.05 NTS

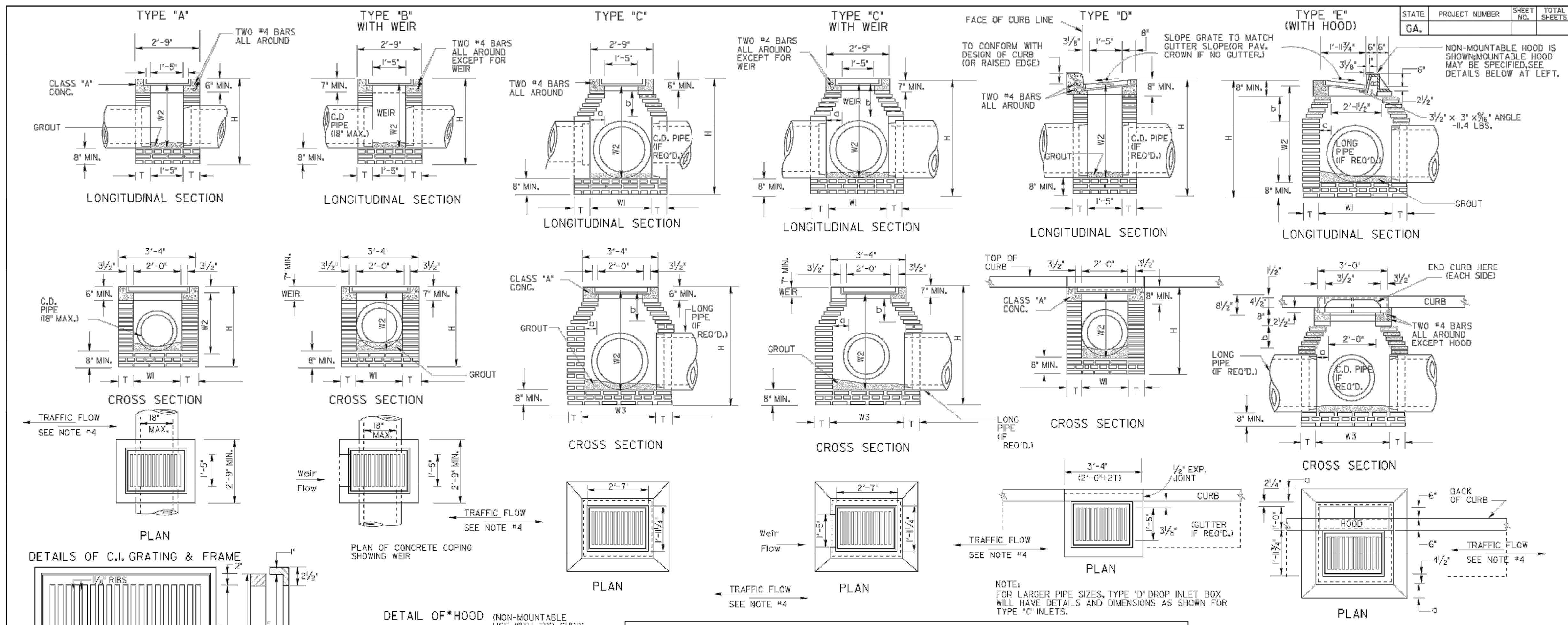
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SAVED:5/6/2024
PLOTTED:5/6/2024



SITE DETAILS
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

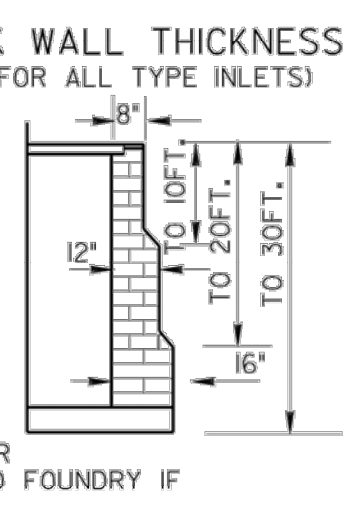
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SPECIAL NOTE:
 STANDARD IO19A INLETS ARE FOR USE AT LOW POINTS & WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD IO19B IS RECOMMENDED.

GENERAL NOTES:
 1. SPECIFICATIONS: GEORGIA STANDARD AND CURRENT EDITION, AND SUPPLEMENTS THERETO.
 2. 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE RIGID PAVEMENT, CONCRETE SIDEWALK OR CONCRETE GUTTER MEETS DROP INLETS.
 3. ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE ONLY TYPICAL. SEE PLANS FOR ACTUAL PIPE CULVERT REQUIREMENTS.
 4. ALL TYPE DROP INLETS WILL BE CONSTRUCTED (AS SHOWN), SO THAT THE GRATE BARS ARE PERPENDICULAR TO THE FLOW OF TRAFFIC EXCEPT ON LIMITED ACCESS PROJECTS OR WHERE BICYCLES ARE PROHIBITED.
 5. BRICK MASONRY WITH CLASS 'A' CONC. TOP PORTION IS SHOWN AS STANDARD CONSTRUCTION WITH ALTERNATES PERMITTED AS SHOWN. BOTTOM SLAB MAY BE 8" MIN. NON-REINFORCED CONCRETE, 8" BRICK OR 6" MIN. REINFORCED CONCRETE. SEE APPLICABLE STANDARDS FOR ALTERNATE PRECAST CONSTRUCTION.

CONSTRUCTION ALTERNATES
 TYPE 'A' OR 'B' (REINF. CONC.)
 TYPE 'C', 'D' OR 'E' (REINF. CONC.)
 TYPE 'E' (BRICK OR REINF. CONC.)



NOTE:
 MINIMUM DIMENSIONS GIVEN IN TABLE BELOW ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPES WITH NORMAL COVER AND CLEARANCES. THESE DIMENSIONS MAY BE MODIFIED IF SO DETAILED IN THE PLANS OR AS DIRECTED BY THE ENGINEER, DIMENSIONS GIVEN ARE MINIMUM EXCEPT FOR 'a' WHICH IS MAXIMUM.

D	TYPES 'A' or 'B' BRICK OR REINF. CONC.		TYPE 'C' OR 'D' (BRICK)					TYPE 'E' (BRICK)					TYPE 'C', 'D' OR 'E' (REINFORCED CONCRETE)						
	W1	W2	W3	a (MAX.)	b	H(min)	W1	W2	W3	a (MAX.)	b	H(min)	W1	W2	W3	a (MAX.)	b	H(min)	
																			W1
15"	2'-0"	2'-7"	3'-3 1/2"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	3'-9 1/2"	3'-2 1/8"	3'-1"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-1"	2'-7"	2'-0"	2'-1"	2'-7"
18"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-1"	3'-2 1/8"	3'-4 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-1"	3'-0"	2'-0"	2'-1"	3'-0"
24"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-9"	3'-2 1/8"	3'-10 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-9"	3'-8"	2'-6"	2'-9"	3'-8"
30"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-9"	3'-2 1/8"	3'-10 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-9"	3'-8"	2'-6"	2'-9"	3'-8"
36"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-9"	3'-2 1/8"	3'-10 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-9"	3'-8"	2'-6"	2'-9"	3'-8"
42"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-9"	3'-2 1/8"	3'-10 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-9"	3'-8"	2'-6"	2'-9"	3'-8"
48"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-9"	3'-2 1/8"	3'-10 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-9"	3'-8"	2'-6"	2'-9"	3'-8"
54"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-9"	3'-2 1/8"	3'-10 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-9"	3'-8"	2'-6"	2'-9"	3'-8"
60"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9 1/8"	0'-4 3/8"	0'-7 1/8"	4'-9"	3'-2 1/8"	3'-10 1/2"	3'-0 3/8"	0'-7 3/8"	1'-1 1/8"	2'-0"	2'-9"	3'-8"	2'-6"	2'-9"	3'-8"

DATE		DEPARTMENT OF TRANSPORTATION	
REVISION		STATE OF GEORGIA	
BY		STANDARD DROP INLETS (BUILT-IN-PLACE)	
DES. (SUBMITTED)		SCALE AS SHOWN	
REV. (APPROVED)		REV. & REDR. AUG., 1999	
CHK.		NUMBER 1019A	

NOTE: CONCRETE WALLS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS, BUT WHERE H IS OVER 9 FT., AND PIPE IS OVER 30" I.D., THE HORIZONTAL STEEL, WHICH IS MORE THAN 9 FT. DEEP WILL BE INCREASED TO 6" SPACINGS, 6" CONC. BOTTOM SLABS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS.
NOTE: FOR PRECAST ALTERNATES, SEE STD. IO19-A PRECAST AND/OR STD. IO40 PRECAST AND BUILT-IN-PLACE COMPONENTS MAY BE USED IN COMBINATIONS WHICH PROVIDE PROPER FITS AND STRUCTURAL ADEQUACY.

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

CATCH BASIN

(FOR CATCH BASIN WITH LONGIT. PIPE OVER 24" SEE DETAILS AT RIGHT.)

NOTE: 12'-6" (MIN.) PAYMENT FOR CATCH BASIN INCLUDES ALL QUANTITIES BETWEEN THESE LINES EXCEPT ADDITIONAL DEPTH FOR BASIN (UNLESS OTHERWISE NOTED IN THE PLANS)

SCALE: 1/2" = 1'

DETAIL OF TOP STAB REINF. STEEL & CLEARANCES REQ'D.

SCALE: 1" = 1'

SECTION I-I

NOTE: NORMAL SLOPE OF CONCRETE APRON TO BE INCREASED UP TO 8" TOTAL WHERE "H" PERMITS AND LONGITUDINAL PIPE IS LOWERED FOR OTHER REASONS.

SCALE: 1/2" = 1'

CASTING DETAILS

3" TO 7" DRAFTS TYP.

SCALE: 1" = 1'

SECTION F-F

SCALE: 1/2" = 1'

CATCH BASIN (WITH PROTRUDED BACK)

FOR USE WITH LONGITUDINAL PIPE OVER 24" OR FOR USE WITH RECESSED BOX

NOTE: DETAILS NOT SHOWN HERE WILL BE SIMILAR TO THOSE AT FAR LEFT FOR NORMAL CATCH BASINS.

SCALE: 1/2" = 1'

SECTION A-A

NOTE: SEE SEPARATE STDS. FOR PRECAST ALTERNATES. ADAPTERS (STD. 100) WILL BE REQUIRED WITH CIRCULAR PRECAST UNITS. PRECAST BOX, CIRCULAR, AND/OR BUILT-IN-PLACE CONSTR. MAY BE USED IN COMBINATIONS.

SCALE: 1/2" = 1'

SECTION A'-A'

(FOR RECESSED BOX)

SCALE: 1/2" = 1'

SECTION J-J

NOTE: PIPE SIZES, NUMBER, ALIGNMENT AND INVERTS SHOWN ARE ILLUSTRATIVE. SEE PLANS FOR SPECIFICS. INVERTS TO BE FORMED WITH GROUT OR CONC. AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SCALE: 1/2" = 1'

CATCH BASIN ON RADII

NOTE: DO NOT LOCATE CATCH BASIN ON RADII IF OTHER ALTERNATES ARE FEASIBLE.

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

DETAIL OF TOP REINFORCED CONCRETE SLAB

NOTE: ALL BARS IN PLAN VIEW ARE SPACED AT 6" O.C.

SCALE: 1/2" = 1'

DETAIL OF TOP REINFORCED CONCRETE SLAB

NOTE: TOP SLAB MAY BE CAST IN PLACE OR PRECAST. IF CAST IN PLACE, BUILDER'S PAPER IS TO BE PLACED BETWEEN THE CATCH BASIN AND TOP SLAB.

SCALE: 1/2" = 1'

DETAIL OF LADDER BARS

NOTE: M.H. STEPS LISTED IN 6A. D.O.T. LABORATORY'S QUALIFIED PRODUCTS LIST MAY BE SUBSTITUTED.

SCALE: 1" = 1'

TYPICAL MIN. DIMENSIONS

PIPE DIA.	H (MIN.)	W or W1	MIN. ΔE
12	4'-4"	3'-0"	3'-3"
15	4'-7"	3'-0"	3'-6"
18	4'-10"	3'-0"	3'-9"
24	5'-6"	3'-0"	4'-4"
30	6'-2"	3'-7"	5'-0"
36	6'-10"	4'-6"	5'-7"
42	7'-4"	5'-3"	5'-11"
48	8'-0"	6'-0"	6'-6"
54	8'-6"	6'-8"	7'-0"
60	9'-2"	7'-4"	7'-7"

NOTE: THE MIN. H & MIN. ΔE GIVEN IN ABOVE TABLE ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONC. PIPE AND MAY BE VARIED, IF CONDITIONS PERMIT WITH VARIED DIMENSIONS SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER. W & W1 DIMENSIONS DO NOT HAVE TO BE EQUAL.

PRECAST BOX ON BRICK (HALF-SECTION)

SCALE: 1/2" = 1'

CONSTRUCTION ALTERNATES

DETAILS NOT SHOWN ABOVE FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO BRICK CATCH BASIN DETAILS.

SCALE: 1/2" = 1'

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

STANDARD

CATCH BASINS

FOR USE WITH CURB (6" OR 8" HT.) & GUTTER (IN SAGS OR LOW POINTS)

SCALE AS SHOWN REV. & RED. AUGUST, 1982

REV. & REPR. R.M.U.	(SUBMITTED)	STATE ROAD & AIRPORT DESIGN ENGR.	NUMBER
TRA. S.M.E.	(APPROVED)	STATE HIGHWAY ENGINEER	1034D
CHK. R.K.C.			

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CIRCULAR PRECAST REINFORCED CONCRETE SECTIONS

ADAPTER TYPE 1

PLAN OF REINFORCING STEEL

SECTIONAL DETAIL

NOTE: WHERE W=48" (ONLY) A BARS NOT REQUIRED. WHERE W=60" (ONLY) B BARS NOT REQUIRED. FOR CONSTRUCTION OF BOX TYPE BASES AND W AND WI DIMENSIONS, SEE APPLICABLE STANDARDS FOR CATCH BASINS OR DROP INLETS.

ADAPTER, TY. 1, OR CIRCULAR REDUCER

THRU BASE CENTER

THRU RISER CENTER

D (or W)	*X*
54"	3"
60"	6"
72"	1'-0"
78"	1'-3"
84"	1'-6"

ADDITIONAL 5 VERTICAL BARS, TWO PER OPENING, SPACED AS SHOWN.

ADAPTER TYPE 2

FOR USE WITH CATCH BASINS

PLAN OF REINFORCING STEEL

SECTIONAL DETAIL

ADAPTER, TYPE 2, MAY BE USED WITH DRAINAGE STRUCTURES OTHER THAN CATCH BASINS, IF SO NOTED ON OTHER STANDARDS OR IN THE PLANS.

ADAPTER, TYPE 3, WILL BE USED FOR STRUCTURES WHICH ARE UNDER TRAFFIC.

0.2 SO. IN./LIN. FT. CIRCUMFERENTIAL REINF. - SEE GEN. NOTE NO. 4

EIGHT NO. 3 REINF. BARS PLACED AS SHOWN

ADAPTER TYPE 3

FOR USE WITH DROP INLETS

PLAN OF REINFORCING STEEL

SECTIONAL DETAIL

0.2 SO. IN./LIN. FT. CIRCUMFERENTIAL REINF. - SEE GEN. NOTE NO. 4

NO. 6 BARS

NO. 4 REINF. BARS SPACING 6" C. TO C. BOTH WAYS

2" CL. ALL AROUND

NO. 6 BARS

NO. 4 BARS

2 NO. 6 BARS ALL SIDES

NO. 4 BARS

CLEARANCE FOR REINF.

JOINT DEPTH

NOTE: OPENING IN AN ADAPTER, TYPE 3, DEPENDS ON TYPE OF INLET, OPENING = 1/5" X 2/0" FOR INLET TYPES A,B,C, OR D, AND 2/0" X 2/0" FOR INLET, TYPE E (STANDARD 109-A). FOR OTHER INLET TYPES OPENING EQUAL TO OPENING REQUIRED FOR INLET WITH BOX TYPE BASES.

GENERAL NOTES:

- ALL CIRCULAR SECTIONS WILL HAVE KEYED TYPE JOINT IN ACCORDANCE WITH A.S.T.M. C-478.
- ALL OPENINGS FOR PIPES OVER 6" IN DIAMETER MUST BE PRECAST.
- ALL ADAPTERS AND REDUCER SLABS SHALL CONTAIN, IN ADDITION TO STEEL BAR REINF. SHOWN, CIRCUMFERENTIAL REINFORCEMENT IN LIP AND EXTENDING INTO BODY OF SLAB AS SHOWN.
- FOR CONSTRUCTION ABOVE ADAPTER, TYPE 2, AND TYPE 3, AND BELOW TYPE 1, SEE APPLICABLE GA. STDS. FOR CATCH BASINS OR DROP INLETS.
- CIRCULAR SECTIONS SHOWN ON THIS STANDARD MAY BE SUBSTITUTED FOR THE BOX TYPE BASE ON GA. STDS. AND CONSTRUCTION DETAILS FOR CATCH BASINS AND DROP INLETS, WHERE STRUCTURE HEIGHT, PIPE SIZE AND ALIGNMENT PERMIT. SPECIFIED STRUCTURE HEIGHT SHALL BE SUFFICIENT TO ACCOMMODATE THE REQUIRED BASE SIZE, ADAPTERS, RISERS, AND TOP PORTION FOR ALLOWANCE OF THE CIRCULAR ALTERNATES.

DROP INLET WITH CIRCULAR SECTIONS

SEE APPLICABLE STANDARD OR CONSTRUCTION DETAILS FOR DROP INLET DETAILS NOT SHOWN HERE.

INLET TYPE	MIN H ₃
A,B, or C	6"
STD. 109A	8"
E	12"
STD. 109 B TYPE V ₁ or V ₂	12"
903-S MED.	12"
DITCH D.I.	6"
STD 100-1/4"	8"

ADAPTER, TYPE 3 **

TYPICAL BRICK MASONRY AND/OR CONCRETE CONSTRUCTION PER APPLICABLE SEPARATE STANDARD.

SECTIONAL VIEW

ADAPTER, TYPE 3 **

RISERS (IF REQ'D)

BASE - 48" DIA. PRECAST BASE SHOWN MAY BE BUILT-IN-PLACE OR PRECAST, IF BASE IS OVER 48". SEE DETAILS AT TOP FOR ADAPTER, TYPE 1, OR CIRCULAR REDUCER SLAB.

** TYPE 3 ADAPTER NOT REQUIRED FOR STD. 903-S MEDIAN D.I. IF PRECAST APRON IS USED. (SEE STANDARD 903-S PRECAST)

BUILT-IN-PLACE CIRCULAR BASE

(BRICK MASONRY OR CLASS "A" CONCRETE)

3" MIN. CL. ALL AROUND

LIP OF PRECAST SECTION ELIMINATED TO GIVE MAX. BEARING SURFACE.

TWO LAYERS OF BRICK MASONRY WITH MORTAR BEVEL ALL AROUND.

BUILT-IN-PLACE CIRCULAR BASE SHALL SET FOR A MIN. OF 24 HOURS BEFORE PRECAST SECTIONS ARE PLACED.

6" FOR CATCH BASINS

8" FOR DROP INLETS

INVERT FROM F. L. OF INLET PIPES TO F. L. OF OUTLET PIPES

CLASS "A" CONC.

SECTION B-B

PIPE SIZE	MIN. H ₁
12"	2'-3"
15"	2'-6"
18"	2'-9"
24"	3'-6"
30"	4'-0"
36"	4'-6"
42"	5'-3"
48"	5'-9"

CATCH BASIN WITH CIRCULAR SECTIONS

CONSTRUCTION ABOVE ADAPTER WILL BE EITHER PRECAST, BUILT-IN-PLACE, OR A COMBINATION OF BOTH ACCORDING TO APPLICABLE CATCH BASIN STANDARDS.

4'-0" (MIN.)

ADAPTER, TYPE 2

RISERS (IF REQ'D)

BASE - 48" DIA. PRECAST BASE SHOWN MAY BE BUILT-IN-PLACE OR PRECAST, IF BASE OVER 48". SEE DETAILS, TOP LEFT, FOR ADAPTER, TYPE 1, OR CIRCULAR REDUCER SLAB.

SECTIONAL VIEW

STD. NO.	CURB HEIGHT	MIN. H ₂	"E"
1033 D	6"	2'-0"	2'-0"
1033 G	8"	2'-2"	2'-0"
1033 E	4"	2'-0"	3'-0"
1033 F	4"	1'-8"	4'-0"
	6"	2'-1"	4'-0"
	8"	2'-1"	3'-0"
1034 D; 1034 G	6"	2'-1"	2'-0"
	8"	2'-2"	2'-0"
	10"	2'-1"	2'-0"
1034 E	4"	2'-0"	3'-0"
	4"	1'-8"	4'-0"
	6"	2'-1"	4'-0"
1034 F	8"	2'-1"	3'-0"
	8"	2'-1"	3'-0"
	10"	2'-1"	2'-0"

NO SCALE

REV. & REDR.: NOV., 1999

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CIRCULAR BASE UNITS AND RISERS
FOR CATCH BASINS AND DROP INLETS
(CONSTRUCTION ALTERNATES)

NO SCALE

DES. (SUBMITTED) *Joseph B. ...*

DRW. (SUBMITTED) *Joseph B. ...*

TRA. (APPROVED) *Joseph B. ...*

CHK. (APPROVED) *Joseph B. ...*

STATE ROAD & AIRPORT DESIGN ENGR.

CHIEF ENGINEER

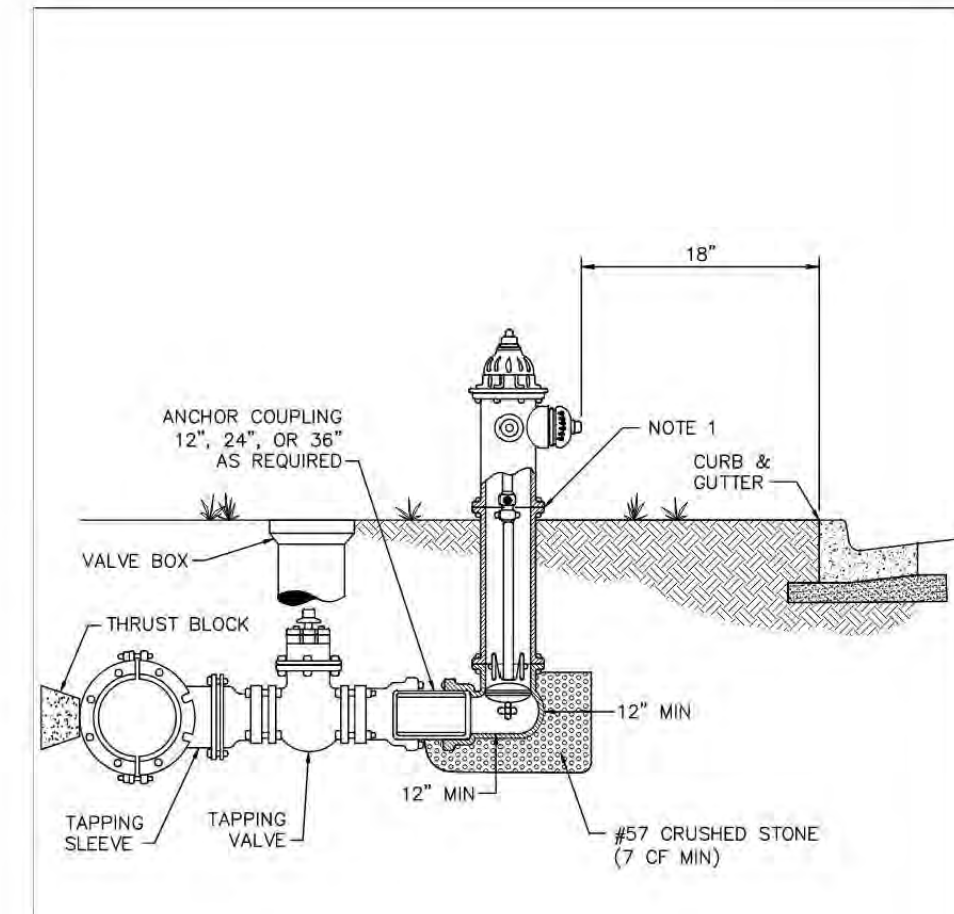
NUMBER 1040

REFERENCED STANDARD MAY BE PRECAST OR BUILT-IN PLACE



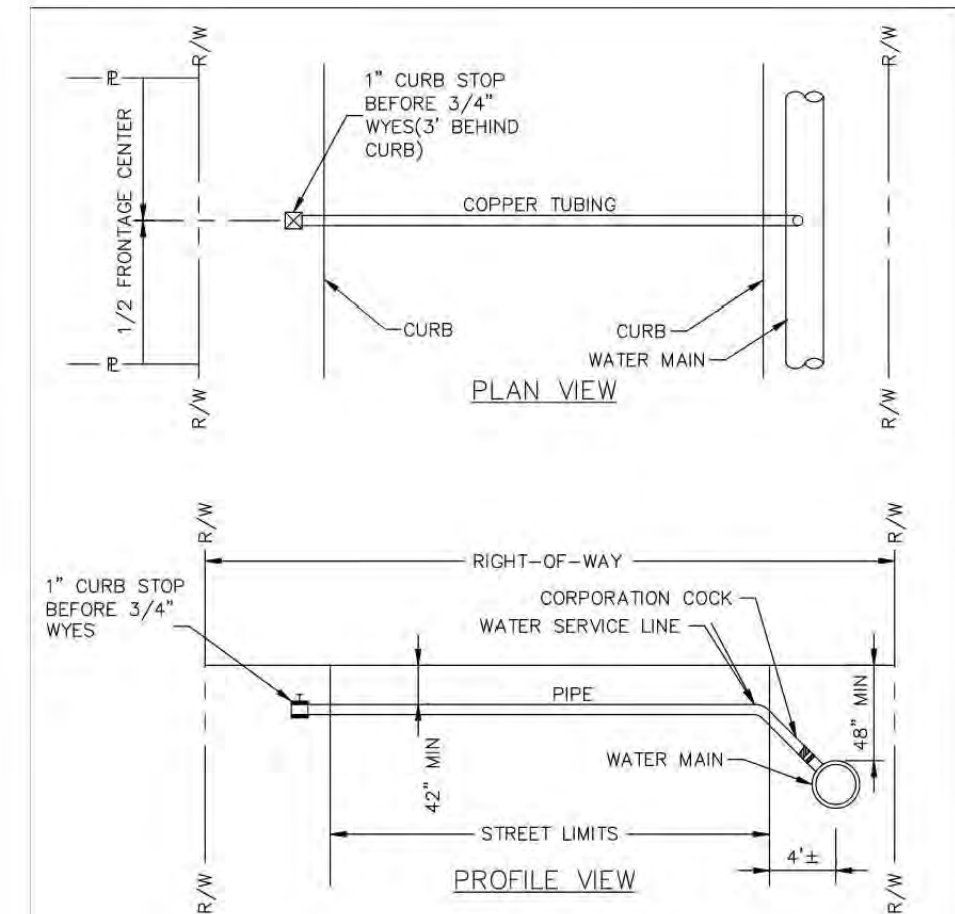
SITE DETAILS
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION	ISSUED FOR BID
0	RAH	RAH	05/21/2024		



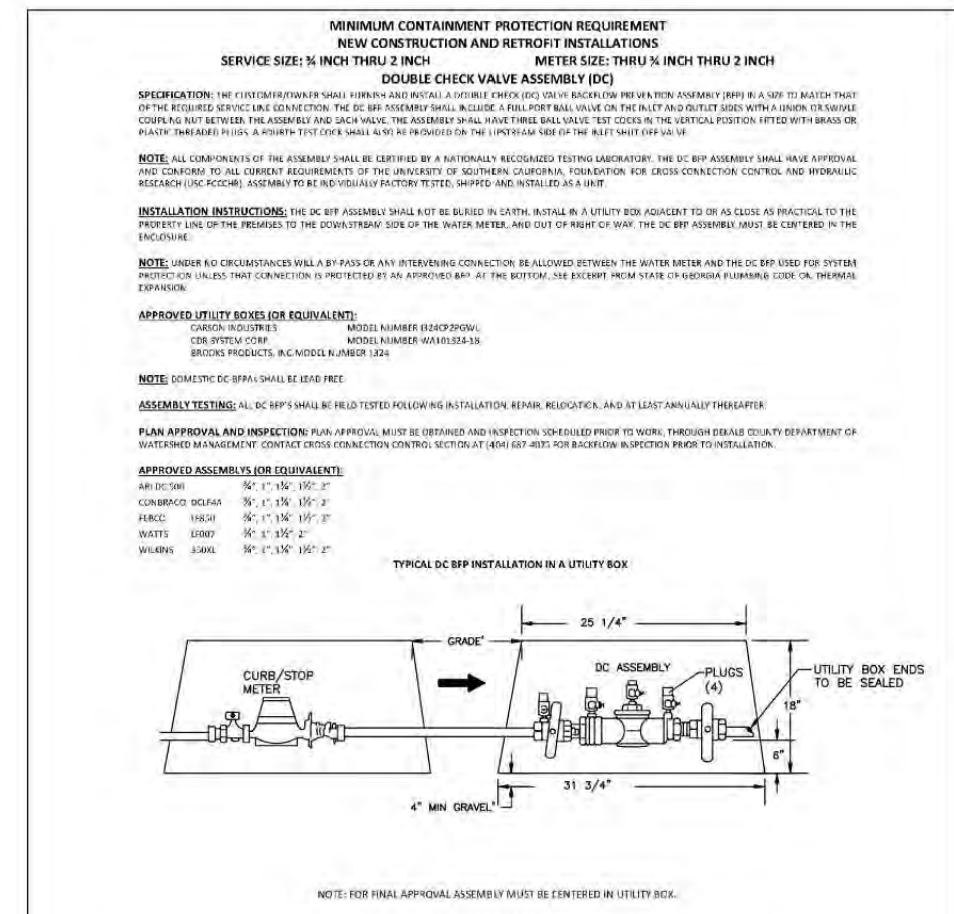
NOTES:
 1. BREAKAWAY FLANGE NOT GREATER THAN 6" ABOVE FINAL GRADE

STANDARD DETAILS
 Typical Fire Hydrant Detail Tap Installation
 NOT TO SCALE
 DETAIL NO. W-004

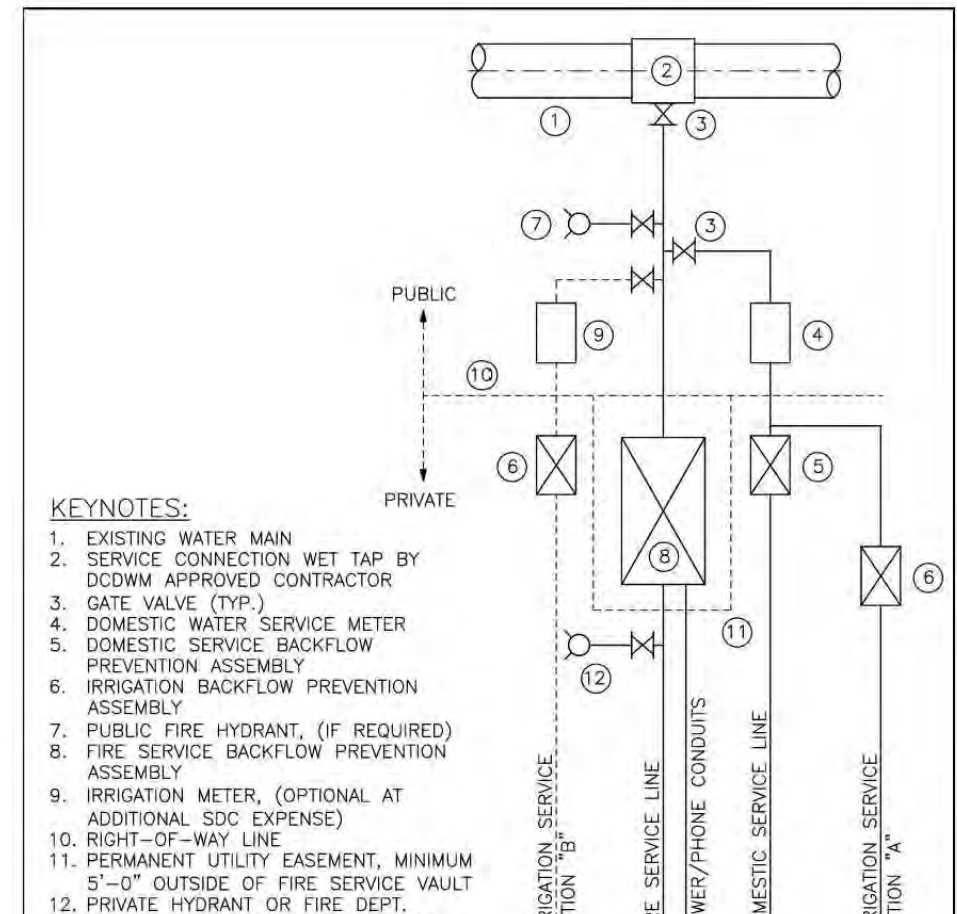


NOTES:
 1. SERVICE LINES 1 INCH AND SMALLER SHALL BE INSTALLED USING COPPER TUBING WITH FLARE X MPT.
 2. LARGER SERVICE LINE MATERIAL SHALL BE AS SPECIFIED ON THE DRAWING, AND REQUIRES COUNTY APPROVAL.

STANDARD DETAILS
 Typical Service Line Installation
 NOT TO SCALE
 DETAIL NO. W-008



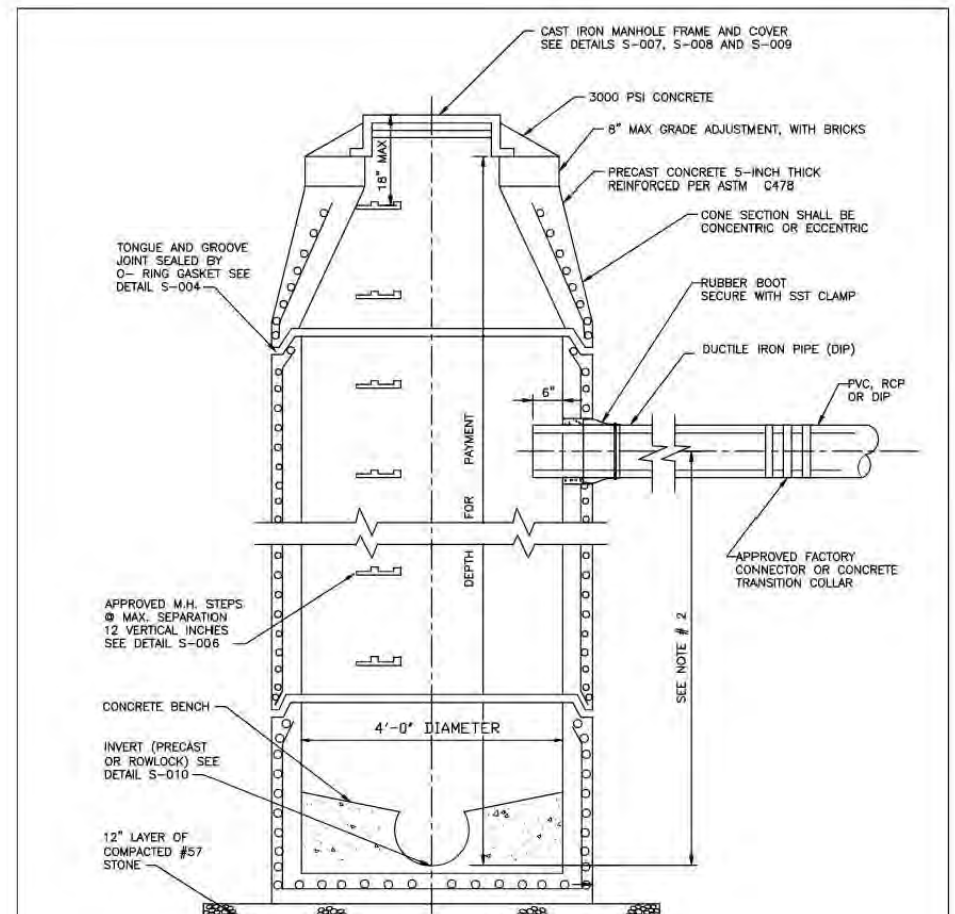
STANDARD DETAILS
 DC BFP Installation 3/4 inch To 2 inch
 NOT TO SCALE
 DETAIL NO. W-014



KEYNOTES:
 1. EXISTING WATER MAIN
 2. SERVICE CONNECTION MET TAP BY DCOWM APPROVED CONTRACTOR
 3. GATE VALVE (TYP.)
 4. DOMESTIC WATER SERVICE METER
 5. DOMESTIC SERVICE BACKFLOW PREVENTION ASSEMBLY
 6. IRRIGATION BACKFLOW PREVENTION ASSEMBLY
 7. PUBLIC FIRE HYDRANT (IF REQUIRED)
 8. FIRE SERVICE BACKFLOW PREVENTION ASSEMBLY
 9. IRRIGATION METER (OPTIONAL AT ADDITIONAL SDC EXPENSE)
 10. RIGHT-OF-WAY LINE
 11. PERMANENT UTILITY EASEMENT, MINIMUM 5'-0" OUTSIDE OF FIRE SERVICE VAULT
 12. PRIVATE HYDRANT OR FIRE DEPT. CONNECTION, (FDC), REFER TO NOTE 3

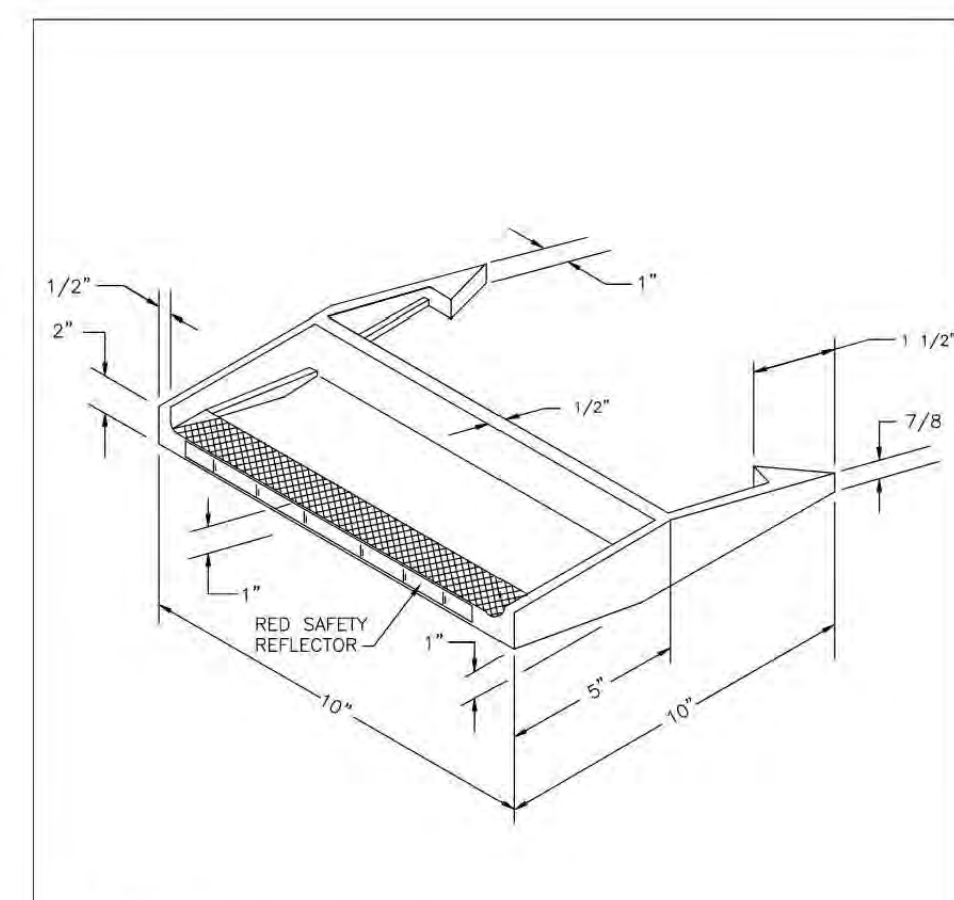
NOTES:
 1. THE IRRIGATION SYSTEM SHALL BE CONNECTED DOWNSTREAM OF THE DOMESTIC SERVICE BACKFLOW PREVENTION ASSEMBLY (OPTION A) OR SHALL HAVE ITS OWN METER AND BACKFLOW PREVENTION ASSEMBLY (OPTION B).
 2. DOMESTIC AND FIRE SERVICE LINES 3" AND LARGER SHALL BE DUCTILE IRON.
 3. PRIVATE FDC OR HYDRANT MUST BE LOCATED ON THE CUSTOMER SIDE OF BACKFLOW DEVICE.

STANDARD DETAILS
 Typical Commercial / Industrial Service Layout
 NOT TO SCALE
 DETAIL NO. W-025



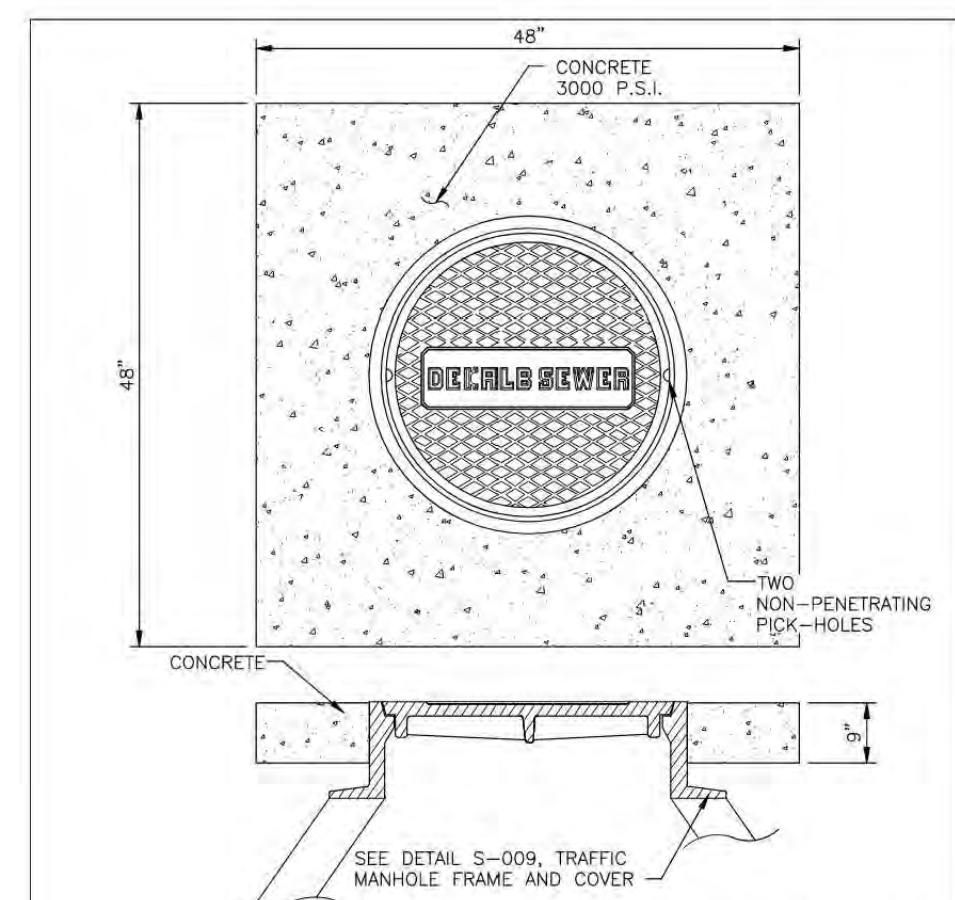
NOTES:
 1. WHERE NECESSARY TO CONVERT MANHOLE USER (EXISTING OWNER), 12" THICK CONCRETE FORM-IN-PLACE FOOTING/FOUNDATION MAY BE USED IN LIEU OF PRECAST BOTTOM SECTION.
 2. WHERE DROP FROM INVERT OF MANHOLE TO INVERT OF INFLUENT PRESSURE MAIN, 12" THICK CONCRETE FORM-IN-PLACE FOOTING/FOUNDATION SHALL BE SPECIFICALLY APPROVED FOR ELEVATION. SEE DETAILS S-003 OR S-007.
 3. PRECAST ALL OPENINGS FOR PIPE IN BASE AND Riser LINES.

STANDARD DETAILS
 Standard Precast Manhole
 NOT TO SCALE
 DETAIL NO. S-001



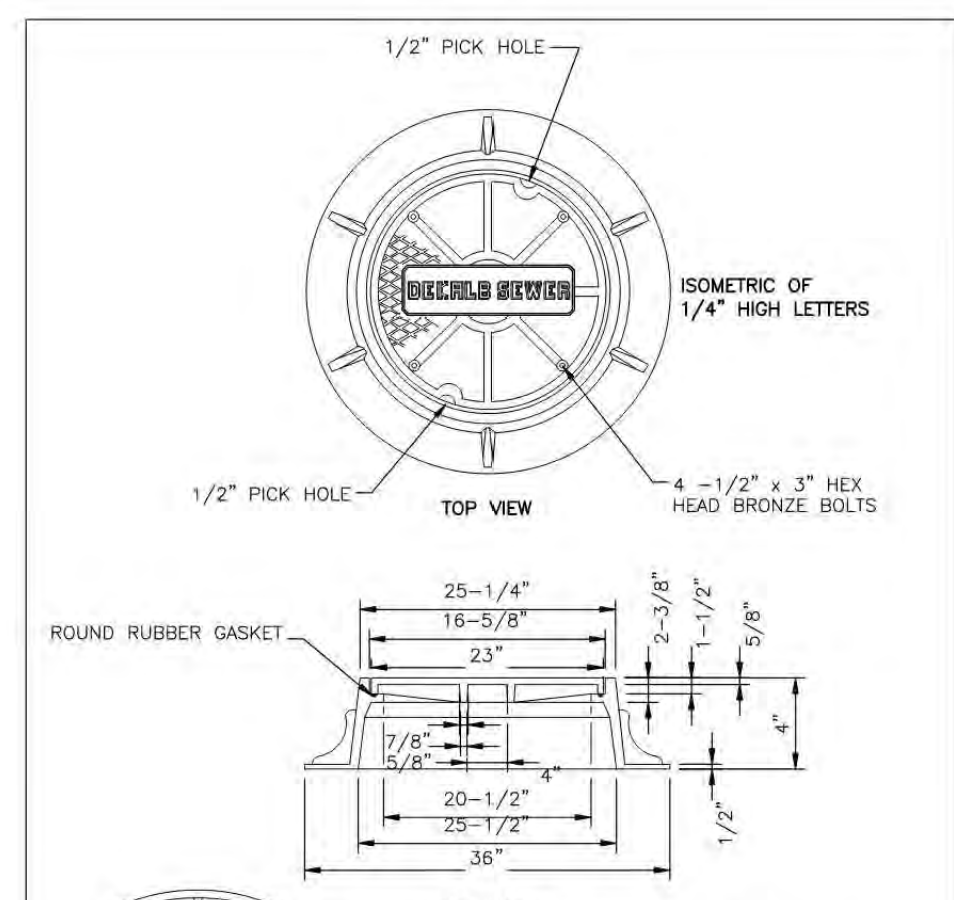
NOTES:
 1. STEPS MAY BE CAST IRON, COATED STEEL, PLASTIC OR ALUMINUM AND MEET ASTM C-478 REQUIREMENTS.
 2. MINIMUM DESIGN LOAD SHALL BE A SINGLE CONCENTRATED LOAD OF 300 LBS.
 3. STEPS SHALL BE A MINIMUM OF 1/2" WIDE, EMBEDDED A MINIMUM OF 3" AND PROJECT MINIMUM CLEAR DISTANCE OF 4".
 4. MAXIMUM VERTICAL SPACING SHALL BE 12" IN THE COMPLETED MANHOLE.

STANDARD DETAILS
 Typical Manhole Step
 NOT TO SCALE
 DETAIL NO. S-006



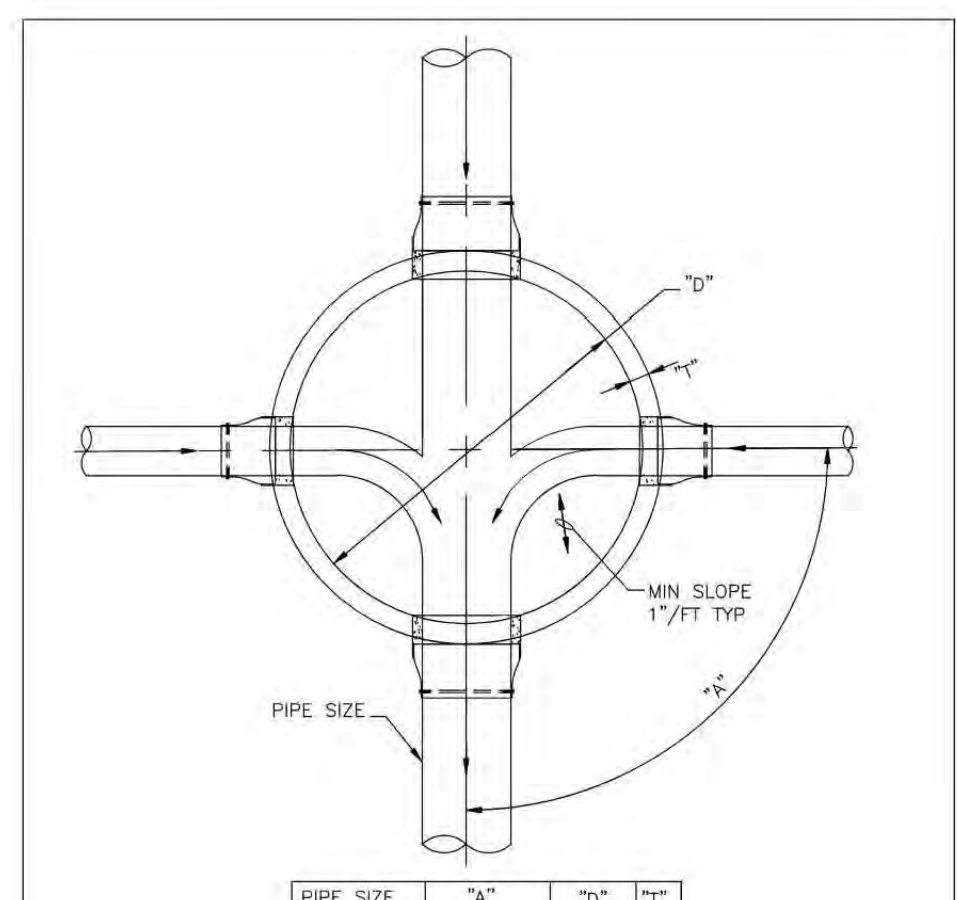
NOTES:
 CONCRETE COLLARS ONLY REQUIRED IN STREETS, ROADWAYS AND OTHER AREAS SUBJECT TO VEHICULAR TRAFFIC.

STANDARD DETAILS
 Concrete Collar for Manhole Frame and Cover
 NOT TO SCALE
 DETAIL NO. S-007



NOTES:
 1. MANHOLES CONSTRUCTED IN NON-PAVED AREAS SHALL BE INSTALLED WITH BOLT DOWN LID.
 2. "DEKALB SEWER" MUST FIT WITHIN LID DIMENSIONS, LETTER HEIGHT WILL BE 2 INCHES.

STANDARD DETAILS
 Bolt Down Manhole Frame and Cover
 NOT TO SCALE
 DETAIL NO. S-008

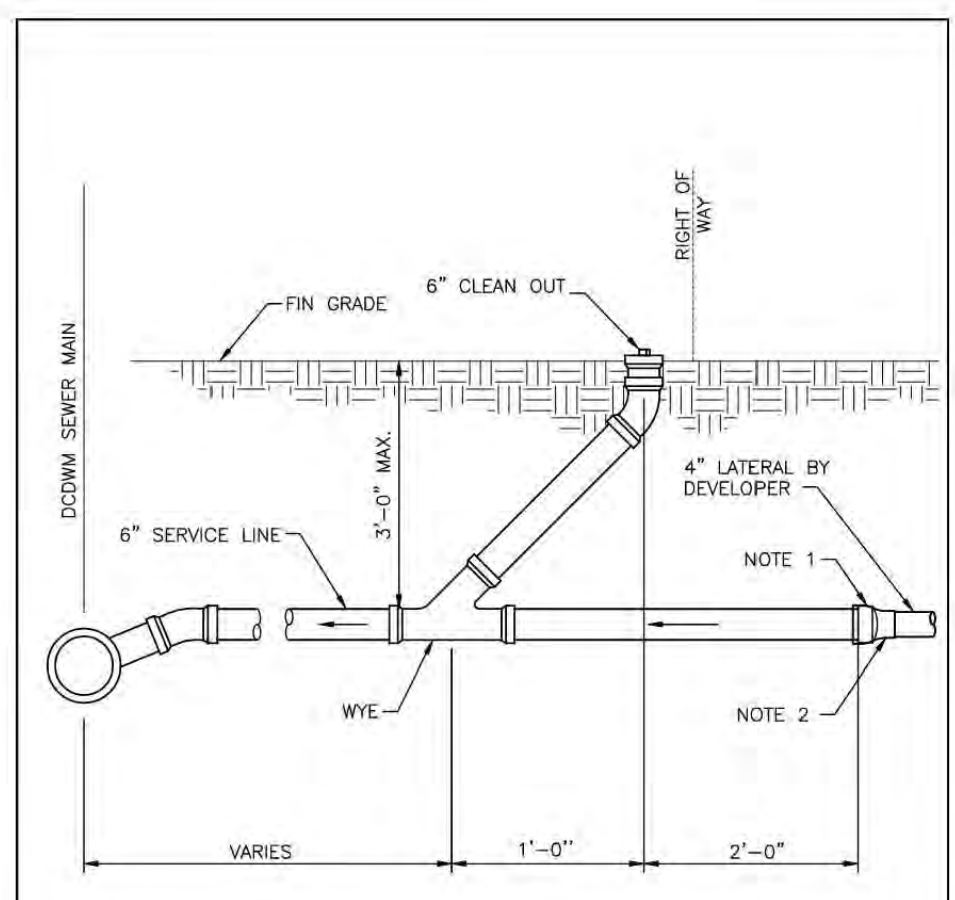


PIPE SIZE

PIPE SIZE	"A"	"B"	"C"
6" & 15"	0' - 90"	4' - 0"	5'
18"	0' - 60"	4' - 0"	15'
18"	60' - 90"	5' - 0"	6'
21" & 24"	0' - 60"	5' - 0"	6'
21" & 24"	60' - 90"	6' - 0"	7'

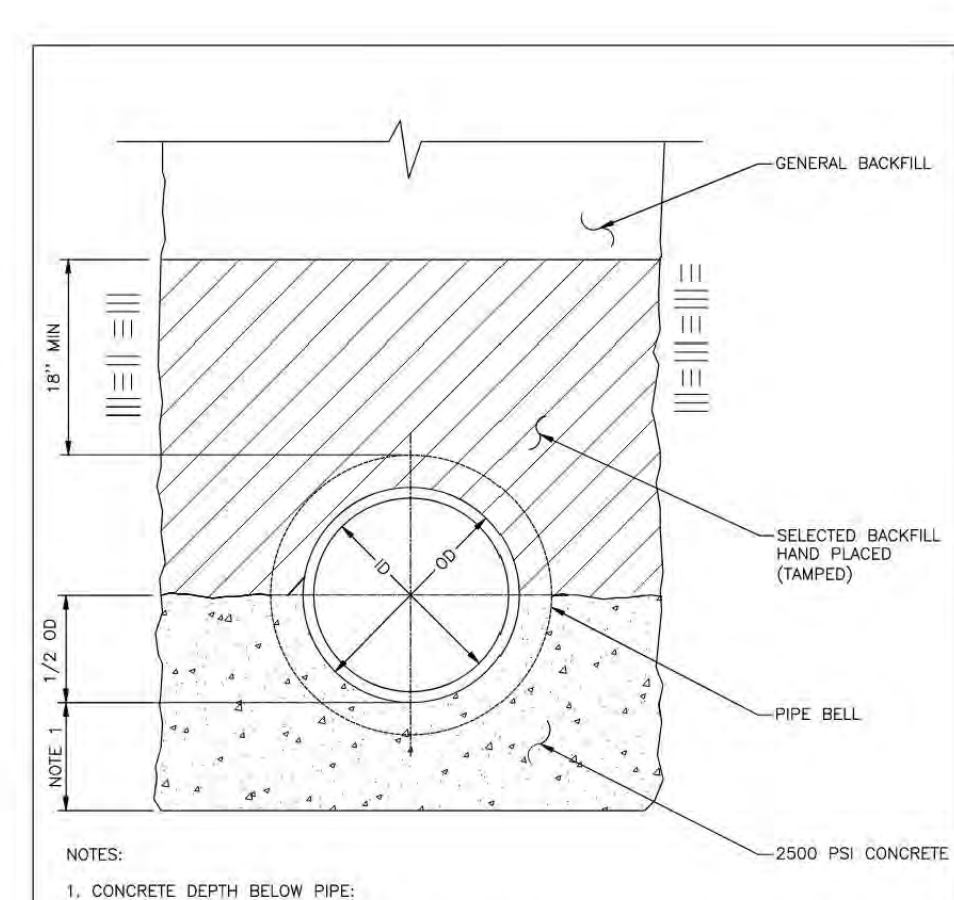
NOTES:
 1. MINIMUM CENTERLINE RADIUS OF MANHOLE INVERT = 1.5 x PIPE DIAMETER

STANDARD DETAILS
 Invert Plan
 NOT TO SCALE
 DETAIL NO. S-010



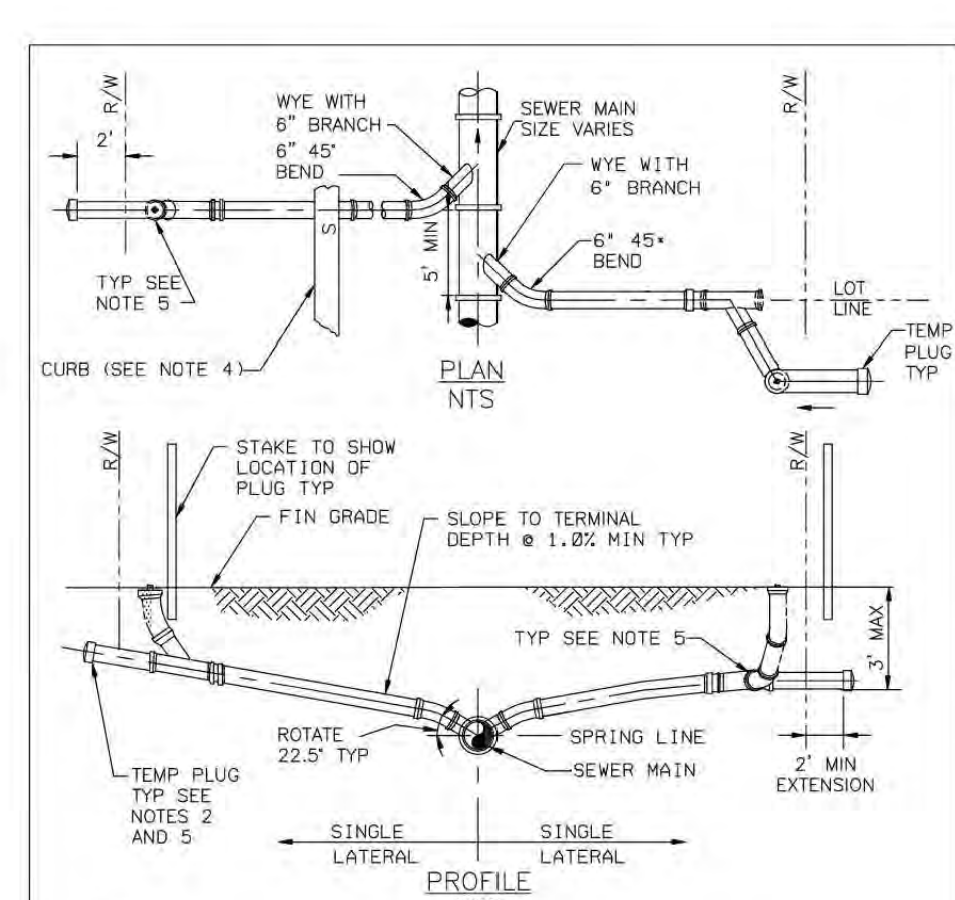
NOTES:
 1. PLUG 6" SERVICE LINE.
 2. CONNECT DEVELOPER'S 4" LATERAL TO 6" SERVICE LINE W/ 4" X 6" FERROCOUPLING INCLUDING SST BANDS

STANDARD DETAILS
 Typical Service Line and Clean Out Detail
 NOT TO SCALE
 DETAIL NO. S-012



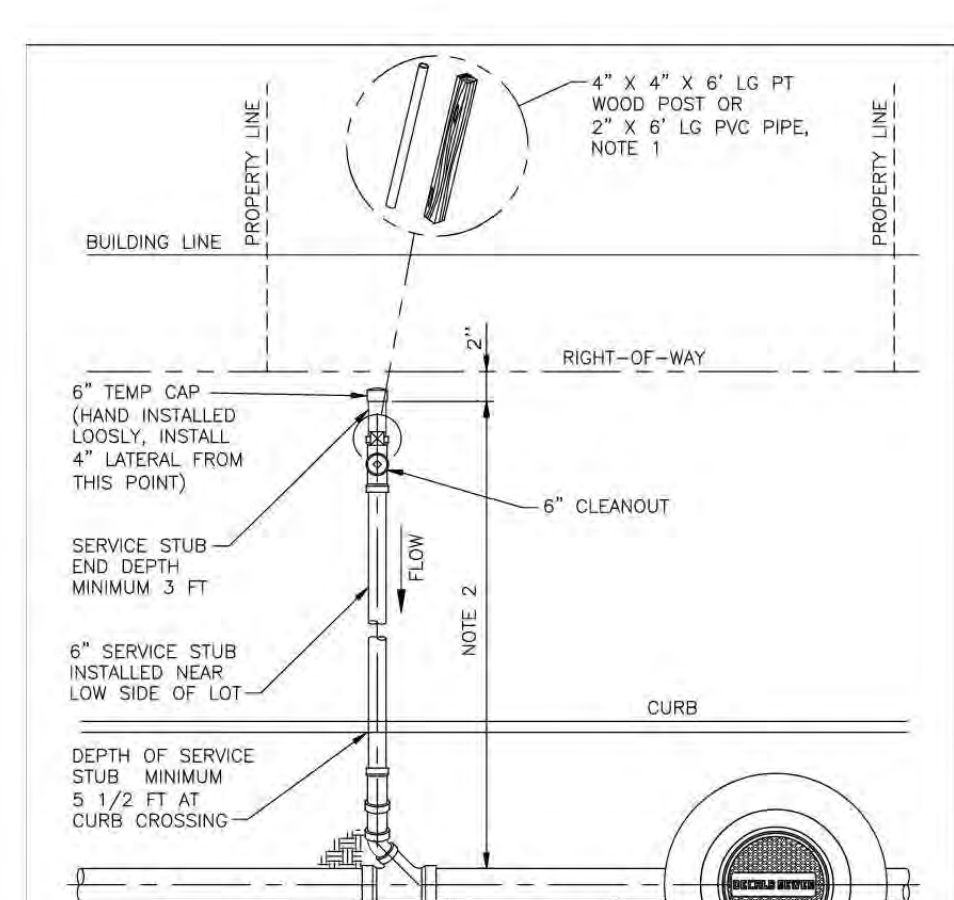
NOTES:
 1. CONCRETE DEPTH BELOW PIPE:
 a) PIPE DIAMETER UP TO 12"
 (1) EQUAL TO 1/2 TIMES THE OUTSIDE DIAMETER (OD)
 (2) MINIMUM 6"
 b) PIPE DIAMETER GREATER THAN 12"
 (1) EQUAL TO 1/4 TIMES THE OUTSIDE DIAMETER (OD)
 (2) MINIMUM 6"
 c) MAXIMUM 12"

STANDARD DETAILS
 Class "A" Bedding
 NOT TO SCALE
 DETAIL NO. S-013



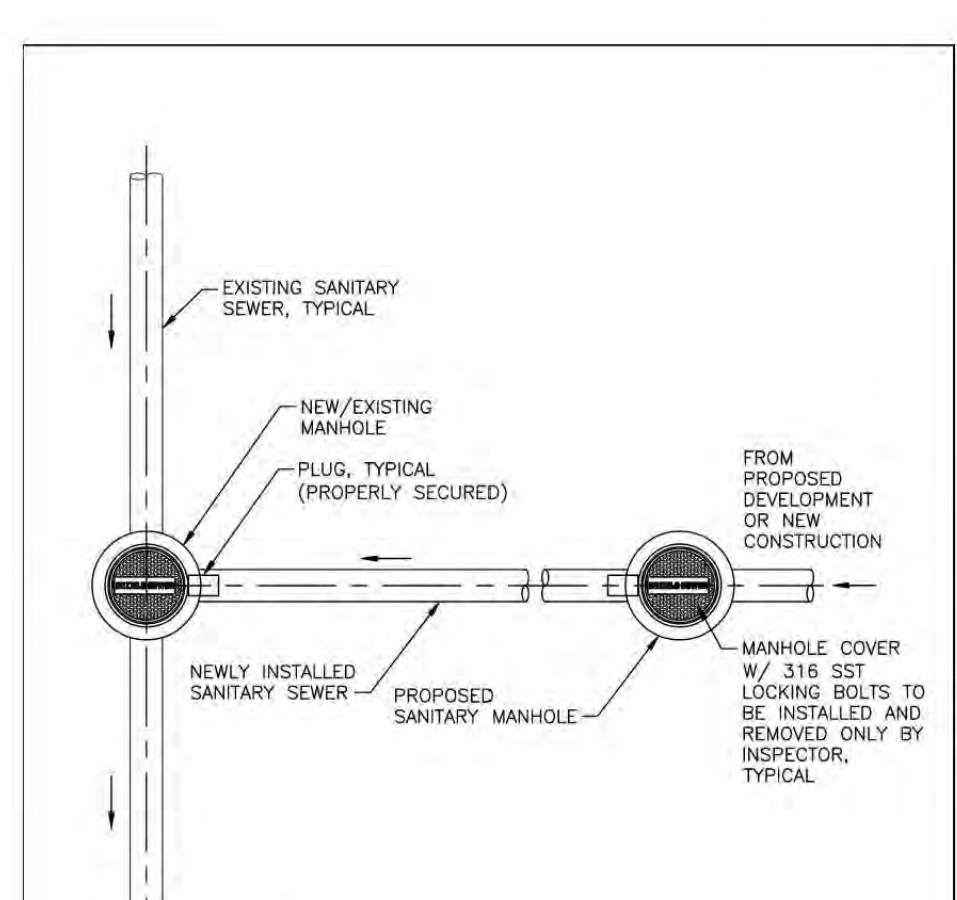
NOTES:
 1. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
 2. SERVICE LATERAL SHALL BE CAPPED BY DEVELOPER'S CONTRACTOR.
 3. ALL FITTINGS SHOWN ARE TO BE INSTALLED.
 4. SERVICE CONNECTIONS SHALL BE PERMANENTLY MARKED BY CUTTING AN "S" IN THE CURB DIRECTLY OVER THE LATERAL.
 5. DEVELOPER'S CONTRACTOR SHALL INSTALL CLEANOUT.

STANDARD DETAILS
 SANITARY SEWER LATERAL CONNECTION
 NOT TO SCALE
 DETAIL NO. S-017



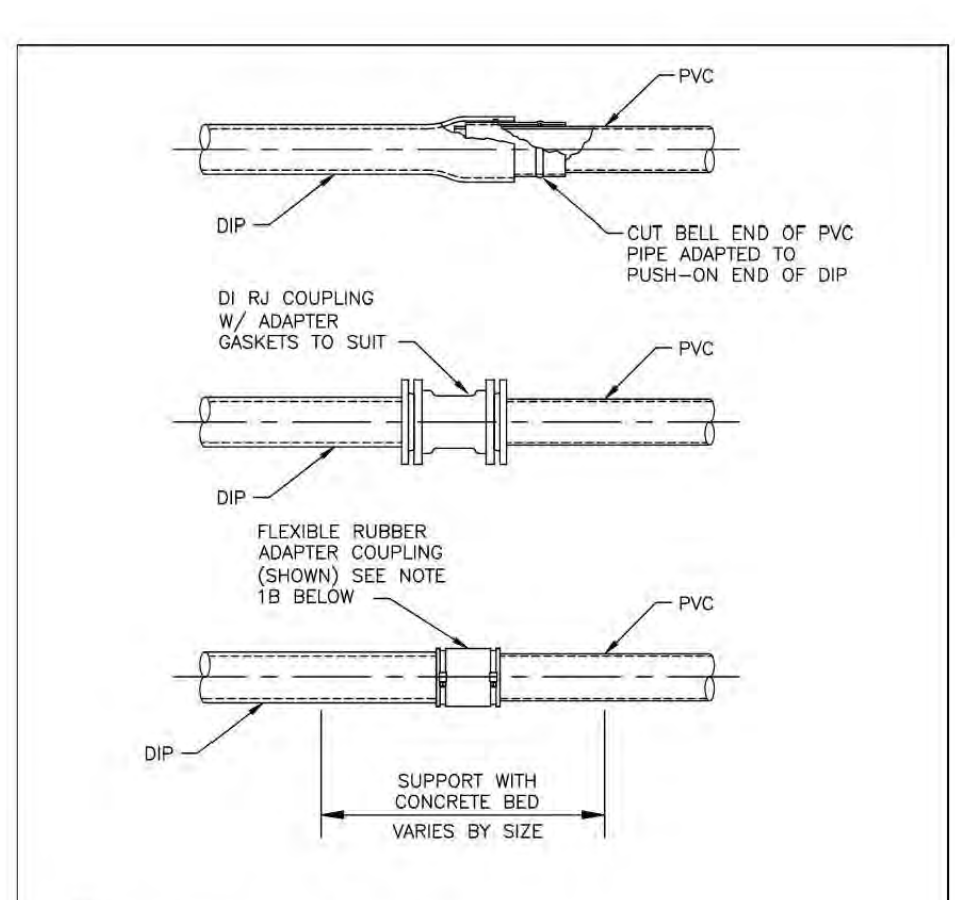
NOTES:
 1. IDENTIFY AS PER OSHA SAFETY STANDARD SPECIFICATION 1910.44 UTILITY PROTECTION MARKING PAINT (GREEN)
 2. MINIMUM LENGTH OF SERVICE STUB IS ONE FULL PIPE JOINT LENGTH OR TO THE RIGHT-OF-WAY. MAXIMUM LENGTH OF SERVICE STUB IS 75 FEET.
 3. REFER TO S-012 FOR SERVICE AND CLEANOUT PROFILE

STANDARD DETAILS
 Service Stub Location Detail
 NOT TO SCALE
 DETAIL NO. S-018



NOTES:
 1. THE FIRST SECTION OF THE SEWER LINE SHALL BE ISOLATED FROM THE REST OF THE PROPOSED SYSTEM.
 2. THE FIRST MANHOLE OF THE PROPOSED SYSTEM SHALL BE USED TO PUMP OUT ANY INFLOW/INFILTRATION, MUD, ETC., THAT ENTERED THE SYSTEM DURING CONSTRUCTION.
 3. THE PLUGS SHALL NOT BE REMOVED UNTIL APPROVAL OF PROPOSED SEWER SYSTEM BY DCOWM INSPECTORS.

STANDARD DETAILS
 Plug Location Detail
 NOT TO SCALE
 DETAIL NO. S-019



NOTES:
 1. TRANSITION JOINTS: THE FOLLOWING SHALL BE UTILIZED FROM DUCTILE IRON PIPE TO PVC FOR PIPE SIZES LESS THAN 12 INCHES:
 A. WATER MAIN TYPE COMPRESSION COUPLINGS WITH ADAPTER GASKETS AS NEEDED.
 B. "FERROCOU" TYPE FLEXIBLE RUBBER ADAPTER COUPLING (SHOWN) OR APPROVED EQUAL.
 2. TRANSITION COUPLINGS SHALL BE CONSTRUCTED AS SHOWN ABOVE.

STANDARD DETAILS
 Transition Coupling Detail
 NOT TO SCALE
 DETAIL NO. S-020

BARGE DESIGN SOLUTIONS

2359 Powers Ferry Road / Suite 650 / Atlanta, GA 30339
 PHONE (770) 628-7631 / FAX (770) 865-0903

REGISTERED PROFESSIONAL ENGINEER
 No. 046525
 POUNCEY A. WALL

GSWCC CERT. #65093
 EXP. 08.25.24

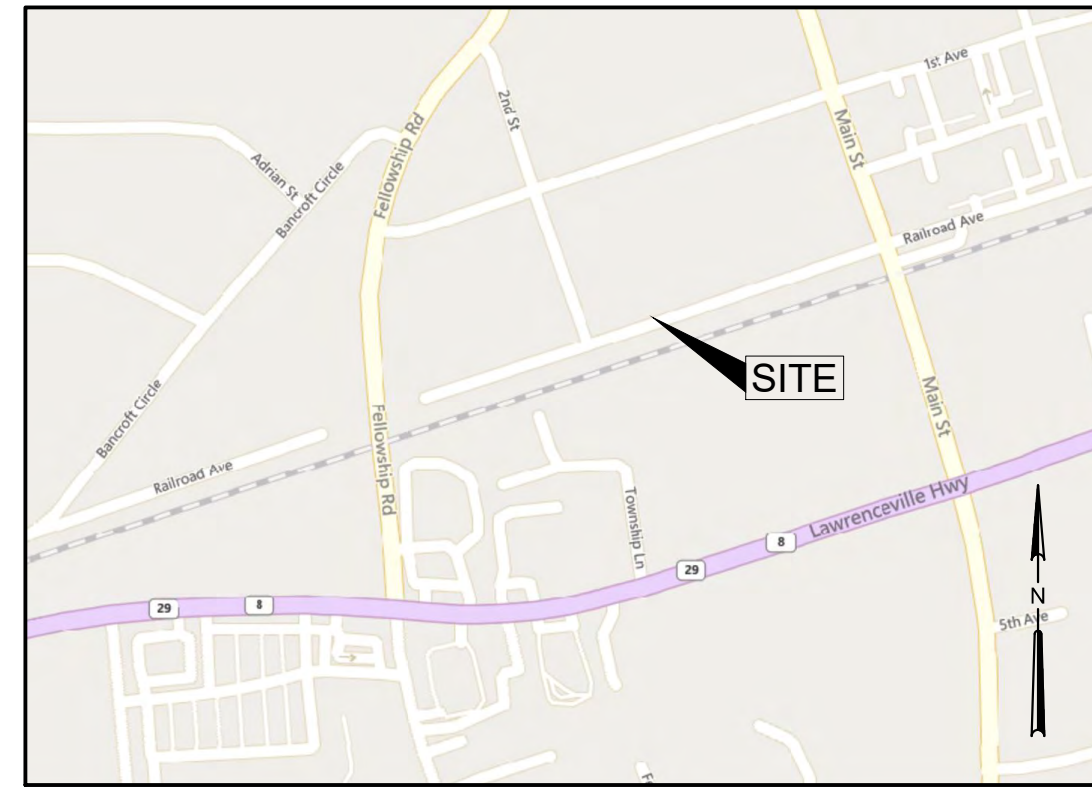
DEKALB STANDARD DETAILS
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION
0		RAH	05/21/2024	ISSUED FOR BID

C7.10
 PROJ. NO. : 3808805

USER:RAHALL
 FILE: F:\3808805\3808805004_CAD\CIVIL\LOT\3808805_C7.01 - Site Details.dwg
 SAVED: 5/20/24
 PLOTTED: 5/20/24

EROSION, SEDIMENTATION & POLLUTION CONTROL PLANS



VICINITY MAP SCALE: 1" = 500'

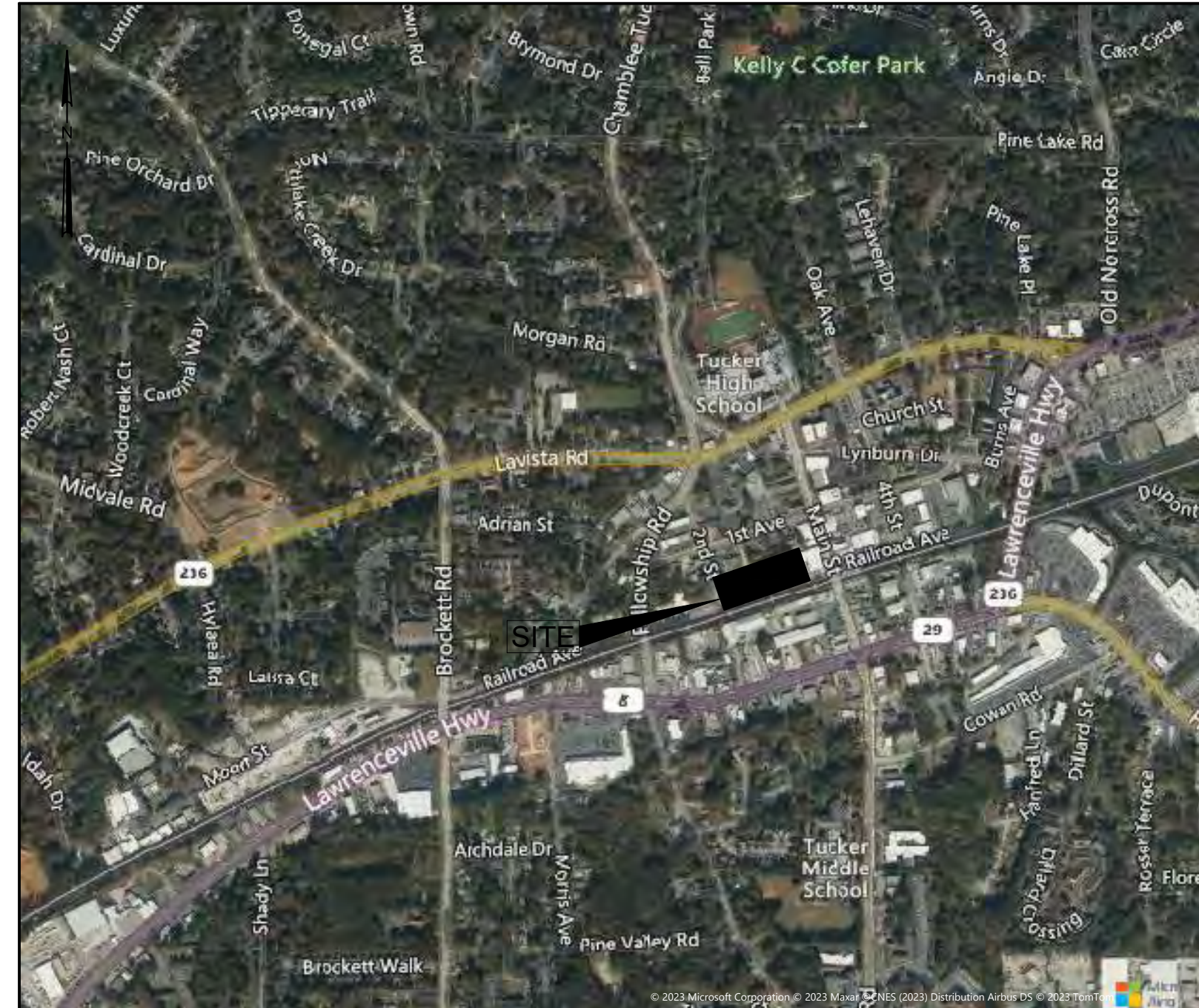
TUCKER TOWN GREEN SITE DESIGN PACKAGE TUCKER, GEORGIA APRIL 2024 GAR 1000001



2839 Paces Ferry Road / Suite 650 / Atlanta, GA 30339
PHONE (770) 628-7631 / FAX (770) 865-0903



CHECKLIST #10



LOCATION MAP SCALE: 1" = 1000'

CHECKLIST # 29: OVERALL PROJECT SCHEDULE

	MONTHS AFTER BEGINNING CONSTRUCTION														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES															
INITIAL PERIMETER AND SEDIMENT STORAGE BMP'S	█	█	█	█											
CLEARING, GRUBBING AND DEMOLITION ACTIVITIES	█	█													
GRADING AND DRAINAGE ACTIVITIES					█	█	█	█	█						
INTERMEDIATE PHASE BMP'S					█	█	█	█	█						
ROAD, UTILITY AND BUILDING INSTALLATION															
FINAL PHASE BMP'S															
MAINTAIN BMP'S	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
FINAL STABILIZATION															
REMOVE TEMPORARY BMP'S															

NOTE: NO GRADING IS TO COMMENCE UNTIL SEDIMENT CONTROL MEASURES/PERIMETER BMP'S HAVE BEEN INSTALLED AND INSPECTED.

Sheet List Table

Sheet Number	Sheet Title
EC1.01	ESPCP COVER, DRAWING INDEX & CERTIFICATIONS
EC1.02	ESPCP PROJECT SPECIFIC NOTES & SAMPLING
EC1.03	ESPCP PROJECT SPECIFIC NOTES
EC1.04	ESPC SITE DETAILS
EC1.11	ESPCP PHASE I
EC1.12	ESPCP PHASE II
EC1.13	ESPCP PHASE III
EC1.14	ESPCP PHASE I
EC1.15	ESPCP PHASE II
EC1.16	ESPCP PHASE III

CHECKLIST #12, #13 & #14: CERTIFICATION STATEMENTS

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA," PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 1000001.

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.

I CERTIFY THAT THE RECEIVING WATER(S) OR THE OUTFALL(S) WILL BE MONITORED IN ACCORDANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN.

SIGNATURE BLOCK: *[Signature]* DATE: 05/21/2024
PRINTED NAME: RODNEY HALL

7 DAY DESIGNER INSPECTION REQUIREMENTS:
THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMP'S AND SEDIMENT BASINS, WHICH THE DESIGN PROFESSIONAL DESIGNED, IN ACCORDANCE WITH PART 1(A.5) WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

SIGNATURE BLOCK: _____ DATE OF INSPECTION: _____
PRINTED NAME: _____

CHECKLIST # 17: AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL AND SUBMITTED FOR APPROVAL BY THE LOCAL ISSUING AUTHORITY.

CHECKLIST #6, #9: PROJECT INFORMATION & DATA

1. PROJECT DESCRIPTION:
PROJECT IS LOCATED IN DEKALB COUNTY, GEORGIA. CONSTRUCTION CONSISTS OF THE DEVELOPMENT OF A 1,868 S.F. PARK WITH 27 CAR PARKING SPACES. CONSTRUCTION WILL INCLUDE CLEARING AND GRUBBING, INSTALLATION OF EROSION CONTROL BMP'S AND GRADING OF THE SITE WITH NEW STORM DRAINAGE SYSTEM. STORM WATER IS CONVEYED TO EXISTING OUTFALLS. NEW UTILITY INSTALLATION INCLUDES DOMESTIC AND FIRE WATER SERVICE AND SANITARY SEWER.

TOTAL SITE AREA: 2.9 ACRES
TOTAL DISTURBED AREA: 2.9 ACRES (0.4 AC INITIAL PHASE)

2. EXISTING CONDITIONS: THE PROPOSED SITE IS LOCATED EAST OF FELLOWSHIP ROAD AND NORTH OF RAILROAD AVE IN TUCKER, GA. IT IS BOUNDED TO THE NORTH BY DEVELOPED AREA AND TO THE SOUTH BY A ROAD AND RAILROAD CORRIDOR. SOME UNDEVELOPED PROPERTY EXISTS ACROSS TECHNOLOGY PARKWAY TO THE EAST. CLEARING AND GRADING OF THE SITE IN PREPARATION FOR BUILD-OUT WILL BE PERFORMED. THOSE ACTIVITIES INCLUDE GRADING OF THE SITE FOR DRAINAGE AND PADS FOR THE STAGE AND RESTROOM AREAS, INSTALLATION OF PERMANENT UNDERGROUND DETENTION FILL BUILD OUT OF THE SITE.

3. EXISTING CONTOURS OBTAINED BY: GASKINS LECRAW ON 04-07-2022
4. DISPOSAL OF DEBRIS: ALL DEBRIS WILL BE HAULED OFFSITE TO A STATE APPROVED LANDFILL UNLESS AUTHORIZED OTHERWISE.

CHECKLIST #11: PROJECT RECEIVING WATERS: SOUTH FORK PEACHTREE CREEK

* ALL STATE WATER BUFFERS MUST BE IDENTIFIED WITH A SIGN.

CHECKLIST #7: GPS LOCATION OF CONSTRUCTION EXIT:
lat:33.8524° lon:-84.2148°

CONTACT INFORMATION

OWNER/DEVELOPER	PRIMARY PERMITTEE/ OPERATOR	DESIGN PROFESSIONAL
OWNER: CITY OF TUCKER, GA 1975 LAKESIDE PARKWAY, SUITE 350 TUCKER, GA 30048 (678) 597-0040	CONTRACTOR # INFO: TBD	PROJECT ENGINEER: RODNEY HALL, P.E. BARGE DESIGN SOLUTIONS, INC. 2839 PACES FERRY RD SE, STE 850 ATLANTA, GA 30339 PHONE: (770) 628-7659

CHECKLIST #4: 24 HOUR CONTACT:
JOHN MCHENRY
CELL: (770) 530-9998
EMAIL: JMCHENRY@TUCKERGA.GOV

ESPCP COVER, DRAWING INDEX & CERTIFICATIONS
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION	ISSUED FOR BID
0	RAH	RAH	05/21/2024		

ESPCP COVER, DRAWING INDEX & CERTIFICATIONS



EC1.01

PROJ. NO. : 3808805

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SAVED: 5/21/2024
PLOTTED: 5/21/2024



EROSION CONTROL - GENERAL NOTES CHECKLIST #18, #19, #20 & #21

- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING AND/OR PERMANENT SEEDING.
- ALL DEVICES ARE TO BE MAINTAINED AND REPAIRED ON A REGULAR BASIS.
- EXCESS SEDIMENT TO BE REMOVED WHEN SILT REACHES ONE-HALF (1/2) THE HEIGHT OF THE SILT FENCE.
- ALL HEAD WALLS ARE TO HAVE STORM DRAIN OUTLET PROTECTION AND SILT TRAP DITCHES.
- ALL CATCH BASINS AND DROP INLETS ARE TO HAVE SD2 TEMPORARY TOPS UNTIL THE FINAL GRADE IS ESTABLISHED.
- SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171 - TEMPORARY SILT FENCE, OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.
- EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RAIN, AND REPAIRED BY THE GENERAL CONTRACTOR AS NEEDED.
- ALL DESIGN WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CURRENT PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- MAXIMUM CUT OR FILL SLOPES IS 3H:1V.
- SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
- DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
- CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
- THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.
- TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.

THE CONTRACTOR IS RESPONSIBLE FOR ALL LAND DISTURBING ACTIVITY, MAINTENANCE AND INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES, COMPLYING WITH ALL STATE AND LOCAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES LEVIED ON THE PROJECT DUE TO NON-COMPLIANCE WITH REGULATIONS IN THE AMOUNT OF THE FINE LEVIED PLUS AN EQUAL AMOUNT OF THE FINE LEVIED PAID TO THE OWNER FOR COORDINATION.

SAMPLING CHECKLIST #34

NTU VALUES FOR SAMPLING:
 ONE SAMPLING POINT HAS BEEN IDENTIFIED FOR THIS CONSTRUCTION ACTIVITY. SAMPLE POINT LOCATIONS ARE IDENTIFIED AS FOLLOWS:
 SAMPLE POINT #1: EXISTING STREAM AT EXISTING CULVERT.
 NTU VALUE BEFORE CONSTRUCTION= NO LIMIT
 NTU VALUE DURING CONSTRUCTION= 25 NTU INCREASE FROM PRE-CON
 IN STREAM SAMPLING:
 A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH DISCHARGE RESULTS IN THE TURBIDITY OF RECEIVING WATER(S) BEING INCREASED BY MORE THAN TWENTY-FIVE (25) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM WATER FISHERIES, REGARDLESS OF A PERMITTEE'S CERTIFICATION UNDER PART II.B.1.J...
 SAMPLING POINT LOCATIONS ARE SHOWN ON MAP ON THIS SHEET. SEE SHEET EC1.03 FOR SAMPLING REQUIREMENTS AND RECORD KEEPING.
 RATIONAL FOR NO SAMPLING: SAMPLING IS REQUIRED

APPENDIX B RATIONALE FOR OUTFALL SAMPLING POINTS WHERE APPLICABLE:
 UPSTREAM/DOWNSTREAM SAMPLE POINTS USED, APPENDIX B NOT APPLICABLE.

Site Size, acres	Warm Water (Supporting Warm Water Fisheries)							
	Surface Water Drainage Area, square miles							
	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

PROJECT SPECIFIC NOTES

PROJECT TITLE: TUCKER TOWN GREEN PARK
 1. CRITICAL/SENSITIVE AREAS CHECKLIST #11, #15, #16, #22, #23
 THE ESPCP MUST DELINEATE CRITICAL AREAS ON OR WITHIN 200 FEET OF THE PROJECT LIMITS; AND/OR PROVIDE A STATEMENT THAT CRITICAL AREAS DO NOT EXIST ON OR WITHIN 200 FEET OF THE PROJECT SITE. FOR THOSE WITHIN THESE LIMITS, THE ESPCP MUST PROVIDE A DESCRIPTION OF SPECIFIC BMPs TO PROTECT THESE AREAS.
 • IMPAIRED WATERS (GEORGIA 303(D) LIST): STORMWATER RUNOFF FROM THIS SITE IS CONVEYED TO SOUTH FORK PEACHTREE CREEK
 ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III. C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMP'S THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.
 SEE THIS SHEET FOR THE FOUR ADDITIONAL BMP'S FROM APPENDIX 1 THAT ARE PROVIDED FOR THIS PROJECT.
 IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.
 • PROTECTED SPECIES (DNR MANUALS - OR ASSESSMENT REPORTS): NONE
 • CULTURAL RESOURCES (I.E. HISTORICAL OR ARCHEOLOGICAL SITES, ETC): NONE
 NO DIGGING OR VEHICLES ARE ALLOWED IN THESE AREAS. DELINEATIONS ARE TO BE IDENTIFIED ONLY AS "SENSITIVE AREA". DO NOT USE THE WORDS HISTORICAL OR ARCHEOLOGICAL SITES.
 • WETLANDS: NONE

2. REQUIREMENTS FOR STREAM BUFFER VARIANCE (SBV)
 • DESCRIBE IN THE ESPCP IF A SBV WILL BE REQUIRED FOR THE PROJECT. IF CONSTRUCTION IS TO TAKE PLACE IN A STATE WATER, THE ESPCP MUST SHOW STATE WATER SPECIFIC DIVERSION PLANS, PIPES, ETC. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE FEDERAL CLEAN WATER ACT.
 _____ STREAM BUFFER VARIANCE REQUIRED
 STREAM BUFFER VARIANCE NOT REQUIRED

NOTE: ALONG STREAM BANK BUFFERS AND OTHER SENSITIVE AREAS, TWO ROWS OF (Sd1-S) SILT FENCE SHALL BE USED. THIS IS REGARDLESS THE WORK IS APPROVED UNDER A SBV OR EXEMPT FROM SBV.
 SOME SBV WILL REQUIRE ADDITIONAL MEASUREMENTS TO ADDRESS LONG TERM WATER QUALITY; INCLUDING BUT NOT LIMITED TO REDUCTION OF TOTAL SUSPENSE SOLIDS AND TARGET POLLUTANTS.

CHECKLIST #15:
 NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 -FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURIDICAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

CHECKLIST APPENDIX 1 NOTES

- APPENDIX 1: d, p, u, v
- A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) MUST BE POSTED ON SITE BY THE ACTUAL START DATE OF CONSTRUCTION. THE SIGN MUST BE VISIBLE FROM A PUBLIC ROADWAY. THE SIGN MUST IDENTIFY THE FOLLOWING: (1) CONSTRUCTION SITE, (2) THE PERMITTEE(S), (3) THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S), AND (4) THE PERMITTEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED MUST BE PROVIDED ON THE SUBMITTED NOI. THE SIGN MUST REMAIN ON SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTIL A NOT HAS BEEN SUBMITTED.
 - CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS.
 - CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE OF THE PROJECT BY THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN IN ACCORDANCE WITH PART IV.A.5 OF THE PERMIT.
 - INSTALL POST CONSTRUCTION BMP'S (E.G., RUNOFF REDUCTION BMP'S) WHICH REMOVE 80% TSS AS OUTLINED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL KNOWN AS THE BLUE BOOK OR AN EQUIVALENT OR MORE STRINGENT DESIGN MANUAL.

INTERMEDIATE PHASE DESIGNER INSPECTION
 SIGNATURE BLOCK _____ DATE _____
 PRINTED NAME _____

FINAL PHASE DESIGNER INSPECTION
 SIGNATURE BLOCK _____ DATE _____
 PRINTED NAME _____

CHECKLIST #3

LIMIT OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE. IF EPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMP'S LISTED IN APPENDIX 1 OF THE CHECKLIST.

APPLICABLE: _____ NOT APPLICABLE: _____ X

CHECKLIST #39 & #40

USE OF ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).

USE OF ALTERNATIVE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FO EROSION & SEDIMENTATION CONTROL IN GEORGIA 2016 EDITION.

APPLICABLE: _____ NOT APPLICABLE: _____ X

INITIAL PHASE EROSION CONTROL NOTES

CHECKLIST #36
 (SEE PLANS FOR APPLICABILITY)
 THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:
 1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE. THE LOCATION SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN IS THE LOCATION OF A PREVIOUSLY INSTALLED CONSTRUCTION ENTRANCE. THIS ENTRANCE SHALL NOT BE CONSIDERED SUFFICIENT FOR THIS PROJECT AND SHALL BE PREPARED AND CONSTRUCTED AS NEW, WITH NEW MATERIAL.
 2. CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF INITIAL PHASE BMP'S.
 3. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN. ALL EXISTING EROSION CONTROL BMP'S SHALL BE CLEANED OUT AND MAINTAINED FOR THIS PHASE OF CONSTRUCTION. CONTRACTOR SHALL REPAIR AND /OR REPLACE ANY BMP THAT HAS BEEN DAMAGED OR IS NO LONGER FUNCTIONING AS INTENDED.
 4. PERMANENT PONDS INSTALLED IN PHASE I SHALL CONTINUE TO BE UTILIZED FOR SEDIMENT CONTROL. SEDIMENT SHALL BE REMOVED AS INDICATED, AND RETROFIT OF THE OUTFALL STRUCTURE SHALL BE MAINTAINED IN PROPER WORKING ORDER.
 4. SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBANCE AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BANNER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
 5. MAINTAIN ALL EXISTING SEDIMENT CONTROL BMP'S WHERE SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN. REPAIR AS NECESSARY TO MAINTAIN PROPER FUNCTION.
 6. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE PLAN VIEW FOR SPECIFIC TYPE OF INLET PROTECTION REQUIRED.
 7. THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.
 8. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND PERMANENT PONDS ARE CONSTRUCTED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
 9. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR AND RECORD THE ADDITIONS/CHANGES ON THE CURRENT PLAN SHEET.
 10. WITHIN 7 DAYS OF STARTING INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. FAILURE OF OBTAINING THIS INSPECTION IS A DIRECT VIOLATION OF THE NPDES PERMIT.

INTERMEDIATE PHASE EROSION CONTROL NOTES

CHECKLIST #36
 (SEE PLANS FOR APPLICABILITY)
 THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INTERMEDIATE PHASE OF CONSTRUCTION:
 1. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
 2. INSTALL ADDITIONAL CONSTRUCTION ENTRANCE AS SHOWN ON THE INTERMEDIATE EROSION CONTROL PLAN. CRITERIA IN NOTE 1 (ABOVE) SHALL APPLY TO THIS ENTRANCE.
 3. PERMANENT PONDS SHALL BE MAINTAINED. RETROFITS (Rt-P) SHALL BE MAINTAINED AND CLEANED OUT WHEN SEDIMENT REACHES THE 1/3 VOLUME INDICATOR MARK.
 4. MAINTAIN ALL EXISTING SEDIMENT CONTROL BMP'S WHERE SHOWN ON THE INTERMEDIATE PHASE EROSION CONTROL PLAN. REPAIR AS NECESSARY TO MAINTAIN PROPER FUNCTION.
 5. REMOVED SEDIMENT SHALL BE DISPOSED OF AND/OR STABILIZED SO THAT IT WILL NOT ESCAPE THE SITE OR BE WASHED INTO INLETS.
 6. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
 7. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
 8. INSTALL ROLLED SLOPE STABILIZATION BMP'S AS SHOWN ON THE PLANS.
 9. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE OF INLET PROTECTION REQUIRED.
 10. STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.
 11. STONE/HAYBALE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
 12. ALL DRAINAGE SWALES/DITCHES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
 13. ANY LOOSE MATERIAL DEPOSITED ON EXISTING PAVEMENT SHALL BE BRUSHED OR BROOMED AND REMOVED ON A DAILY BASIS.

FINAL PHASE EROSION CONTROL NOTES

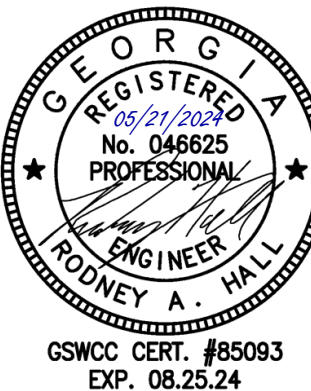
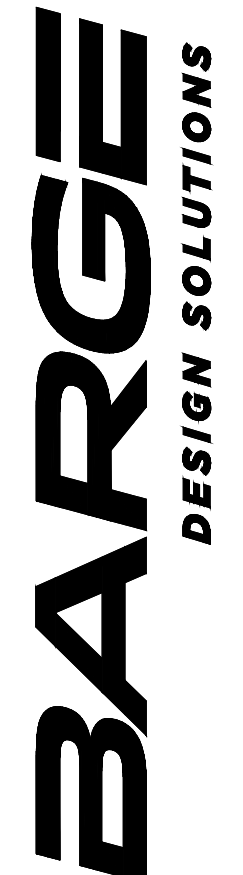
CHECKLIST #36
 (SEE PLANS FOR APPLICABILITY)
 THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:
 1. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
 2. THE CONTRACTOR SHALL MAINTAIN ALL PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 VOLUME INDICATOR MARK.
 3. THIS PLAN IS SUBMITTED FOR THE BUILDING PAD PREPARATION OF A PROJECT THAT IS CURRENTLY IN THE DESIGN PHASE FOR THE FULL BUILD-OUT OF THE SITE. PONDS HAVE BEEN SIZED FOR THE FINAL DESIGN. EROSION CONTROL BMP'S SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL SUPERCEDED BY A NEW EROSION CONTROL PLAN FOR NEXT PHASE CONSTRUCTION.

SOILS MAP



SOIL TYPE	SOIL DESCRIPTION	HYDROLOGIC GROUP
AuC	APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES	B
CuC	DECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES	B
Ud	URBAN LAND	NA
WeB	WEDDIEE SANDY LOAM, 2 TO 6 PERCENT SLOPES	B

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 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

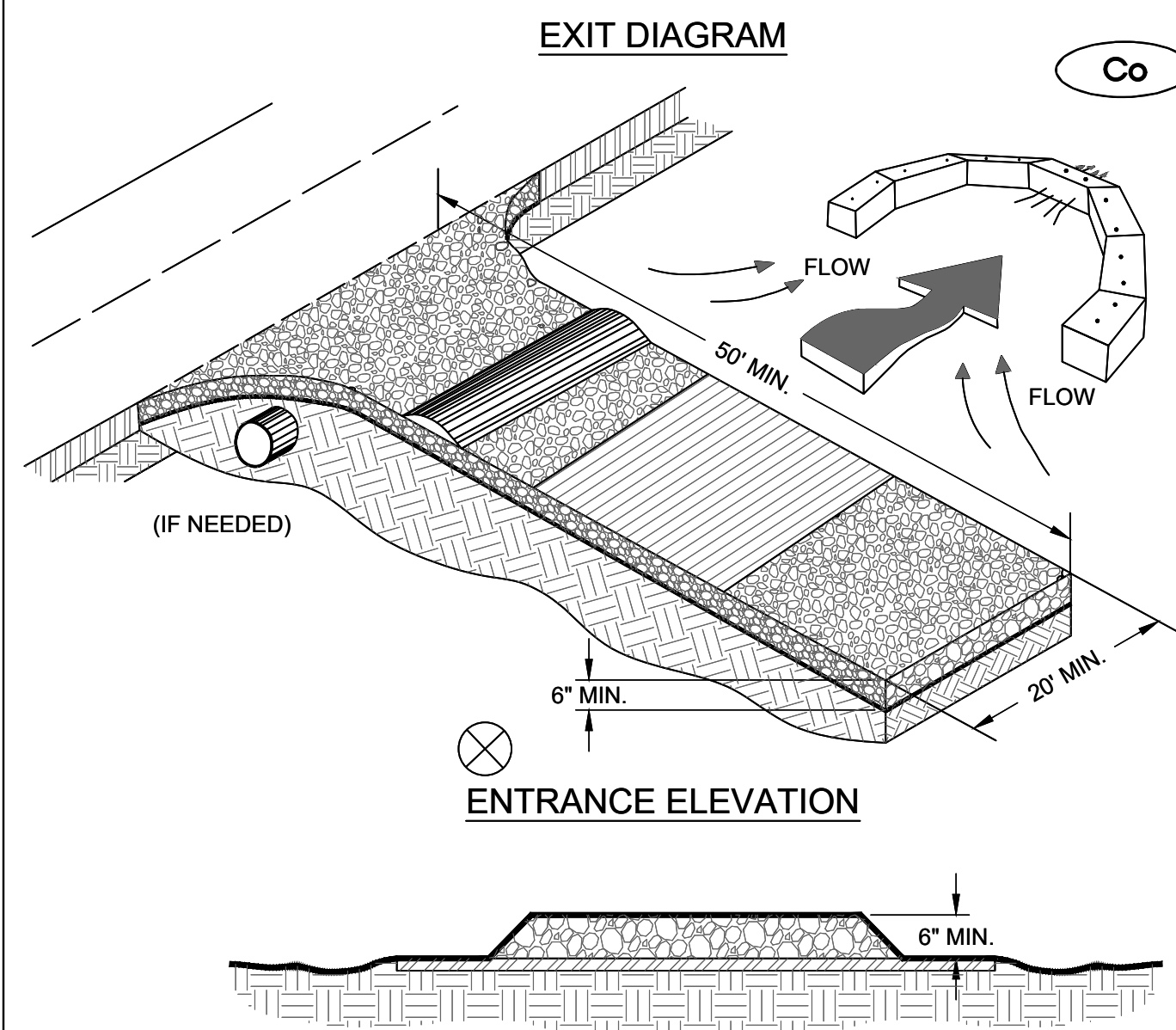
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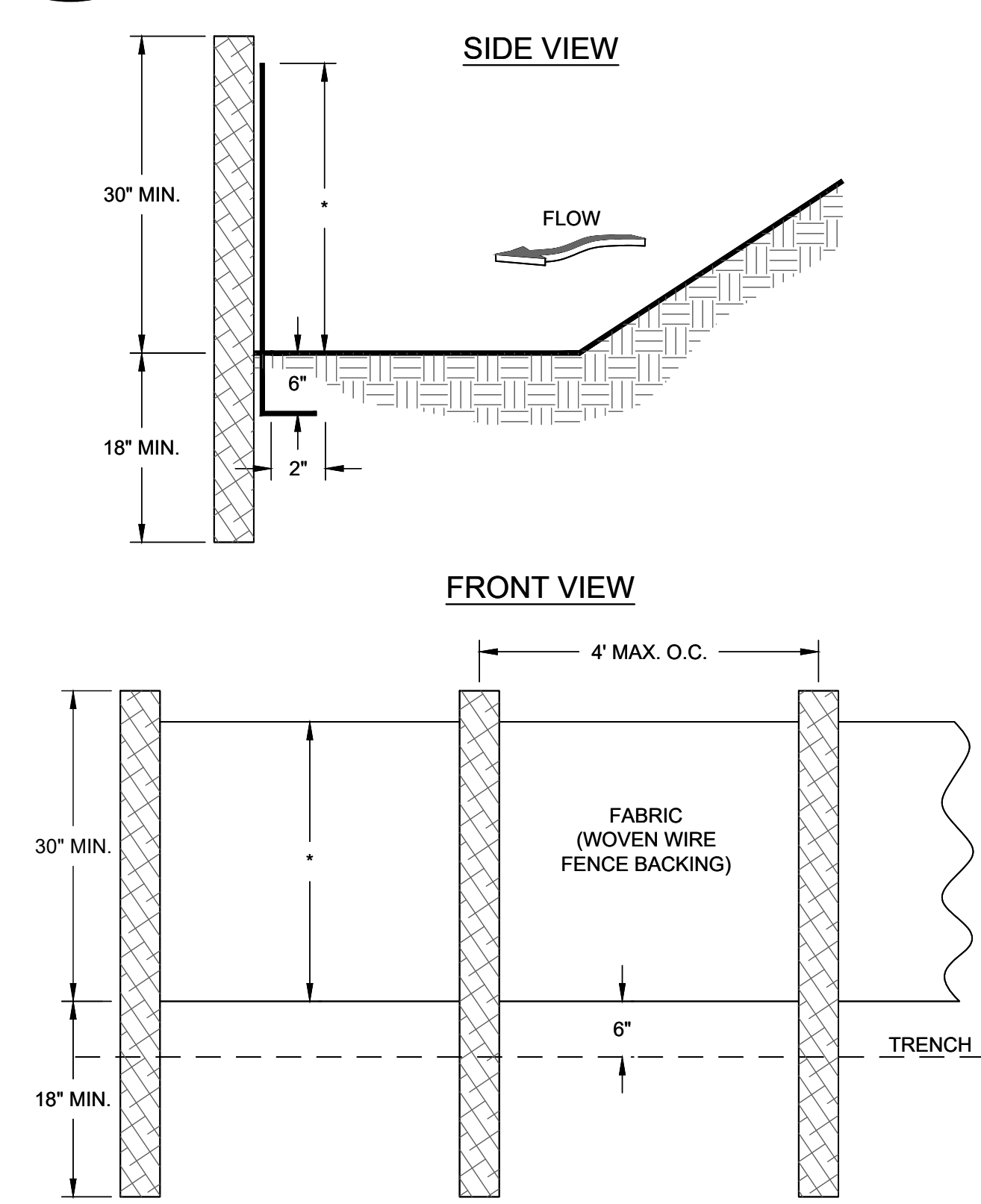
POLLUTION PREVENTION NOTES	
<p>CHECKLIST #25 POLLUTION PREVENTION NOTES AND BMP'S FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS AND:</p> <p>A. POTENTIAL ENVIRONMENTAL IMPACTS FROM POLLUTANT SOURCES (EXISTING AND PROPOSED):</p> <p>(1) VEHICLE AND/OR EQUIPMENT LEAKS, AS WELL AS FROM ANY UNEXPECTED ACCIDENTS.</p> <p>(2) STORAGE, HANDLING AND/OR TRANSPORTATION OF HAZARDOUS MATERIALS/CHEMICALS.</p> <p>(3) LOADING/UNLOADING AND/OR REFUELING/TRANSFERRING OPERATIONS OF HEAVY EQUIPMENT AND ANY OTHER FUEL OPERATED EQUIPMENT (GENERATORS, PUMPS, CHAINSAWS, ETC.) TO INCLUDE THE USE OF FUEL TANKS AND ANY OTHER TYPE OF FUEL DISPENSERS (AS APPLICABLE).</p> <p>(4) ASPHALT, CONCRETE, ROCK CRUSHER OPERATIONS.</p> <p>SPILL PREVENTION, CONTROL AND COUNTERMEASURE (SPCC) REQUIREMENTS: DURING THE IMPLEMENTATION (CONSTRUCTION/OPERATION) PHASE(S) OF THIS PROJECT, THE CONTRACTOR AND/OR PROPONENT MUST HAVE A SPCC PLAN, AND FOLLOW ALL CITY AND DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS ASSOCIATED WITH TRANSPORTATION OF ANY HAZARDOUS MATERIALS. STORAGE AND WASTE MUST COMPLY WITH CITY REGULATIONS, INCLUDING SECONDARY CONTAINMENT AS REQUIRED. DRIP PANS SHOULD BE AVAILABLE FOR VEHICLES AND EQUIPMENT TO PREVENT OIL AND OTHER PETROLEUM PRODUCTS FROM SPILLING ONTO THE SOIL OR WATER. SECONDARY CONTAINMENT IS REQUIRED FOR ANY REFUELING/TRANSFERRING ACTIVITIES.</p> <p>STORAGE AREAS FOR HAZARDOUS MATERIALS/CHEMICALS/WASTE SHOULD BE DESIGNED TO ALLOW FOR SECURE PRODUCT STORAGE, TO PROVIDE SECONDARY CONTAINMENT, AND COVERED.</p> <p>A HAZARDOUS MATERIAL INVENTORY AND MSDS SHOULD BE KEPT ON RECORD AT ALL TIMES FOR CONSTRUCTION AND OPERATIONS. THE INVENTORY MUST INCLUDE ALL PETROLEUM PRODUCTS, CHEMICALS, HERBICIDES, PESTICIDES, FERTILIZERS, DETERGENTS, PROPSANTS AND ANY OTHER HAZARDOUS SUBSTANCES USED AND/OR STORED BY THE CONTRACTOR/PROPONENT.</p> <p>B. BMP'S FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS: TO ENSURE BEST MANAGEMENT PRACTICES FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS ARE SUITABLE, THE PRIMARY PERMITTEE (OPERATOR/CONTRACTOR) SHALL PROVIDE AND IMPLEMENT A SPCC CONTINGENCY PLAN (PART II.B.1.4.2; PART IV.B.1.4.2; PART IV.C.1.4.2; PART IV.D.1.4.2) IN ACCORDANCE WITH PARAGRAPH 6; D.C.1.(1), (3) & (4); PART IV.D.3.1.1); GAR 000000 NPDES INDUSTRIAL PREVENTIONS. THIS SECTION ALSO COVERS REQUIREMENTS FOR HAZARDOUS WASTE AND PEST MANAGEMENT.</p> <p>(A) DESCRIPTION OF MEASUREMENTS TO REDUCE/PREVENT/MINIMIZE SPILLS/RELEASES OF HAZARDOUS MATERIALS STORED AND USED AT THE SITE DURING CONSTRUCTION ACTIVITIES.</p> <p>(B) LOCATION OF HAZARDOUS MATERIALS STORAGE AREAS, INCLUDING TANKS AND REFUELING OPERATIONS.</p> <p>(C) EMERGENCY RESPONSE AND CLEAN-UP PROCEDURES. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL EMERGENCY RESPONSE ACTIONS AT THE SITE, TO INCLUDE REMOVAL AND DISPOSAL OF CONTAMINATED MATERIALS.</p> <p>CHECKLIST #26 DESCRIPTION OF THE MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO PREVENT POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.</p> <p>- PERMANENT VEGETATION TO BE INSTALLED IN ALL DISTURBED AREAS.</p> <p>- PERMANENT PONDS WITH FOREYARDS</p> <p>- RIP-RAP PROTECTION REMAINS AT ALL OUTFALLS.</p> <p>CHECKLIST #27 FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE CONSTRUCTION SITE, PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMPLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMUM SIZES WHERE DISCHARGES ARE ALLOWED TO OCCUR ARE AS FOLLOWS: (A) SPILLS AND STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).</p> <p>CHECKLIST #19 SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. SEE BELOW FOR ADDITIONAL CONTROLS SUPPLEMENTING GAR 100001 - PART IV D.2.E.</p> <p>CHECKLIST #28 - (SUPPLEMENT GAR 100001 - PART IV D.2.E.) OTHER CONTROLS:</p> <p>FOR WATER QUALITY: NO DEMOLITION/CONSTRUCTION WASTE OR EXCESS CONSTRUCTION MATERIALS OF ANY KIND CAN BE DUMPED TO THE SANITARY SEWER SYSTEM, THE STORM SEWER SYSTEM, OR BE DISPOSED TO THE GROUND INCLUDING PAINT, PAINTER PAINT, THINNER, PAINT STRIPPER, SOLVENTS, ACIDS, SOLIDS, PASTES, SEALANTS, SOLDER, CALKING, GROUT, PUTTY, WAXES, SHEET ROCK, INSULATION, CARPET, CARPET PADDING, ACETATE, TILE, COOLANT CORROSION INHIBITOR, CLEANING COMPOUNDS, HERBICIDES, TERMITICIDES, FUNGICIDE, WEED KILLERS, PESTICIDES.</p> <p>A. WASTE DISPOSAL: PRIMARY PERMITTEE (OPERATOR/CONTRACTOR) SHALL ENSURE AND DEMONSTRATE THAT THEIR ESPCC IS IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.</p> <p>(A) THE CONTRACTOR SHALL SELECT A DESIGNATED WASTE COLLECTION AREA AND PROVIDE LIDS FOR WASTE CONTAINERS. CONSTRUCTION WASTE SHALL BE REMOVED ON A CONSISTENT SCHEDULE. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE.</p> <p>(B) THE PROJECT CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEMOLITION/CONSTRUCTION DEBRIS TAKEN TO A PROPERLY PERMITTED LANDFILL OR TO THE PROJECT CONTRACTOR'S LANDFILL CONSTRUCTION DEBRIS FROM RENOVATION, DEMOLITION, OR NEW CONSTRUCTION SHOULD BE REUSED OR RECYCLED TO THE MAXIMUM EXTENT POSSIBLE. IT IS RECOMMENDED THAT THE CONTRACTOR CRUSH THE WASTE CONCRETE AND ASPHALT FOR RECYCLING TO HELP MEET THEIR LEEDS AND SPRT GOALS (IF APPLICABLE).</p> <p>(C) ENSURE ALL WASTEWATER FROM CONSTRUCTION ACTIVITIES AND OR CLEANING OPERATIONS ARE PROPERLY MANAGED AND DISPOSED TO IN ACCORDANCE WITH CITY AUTHORITIES FOR AUTHORIZATION AND TO ENSURE CLEANING OPERATIONS WOULD NOT AFFECT PLANT OPERATIONS IF WASTEWATERS WERE DISCHARGE INTO SANITARY SEWER LINES/SYSTEM. DO NOT DISCHARGE ANY WASTEWATER INTO STORM WATER SEWER SYSTEM OR DRAINS.</p> <p>(D) CONCRETE TRUCK PROHIBITIONS AND WASH OUT AREAS: DO NOT DISCHARGE ANY CONCRETE WASTEWATER (WASH OUT) INTO SANITARY OR STORM WATER SEWER SYSTEM OR DRAINS. CONTRACTOR MUST DESIGNATE A PROPER WASH AREA FOR THIS TYPE OF OPERATIONS. SEE CHECKLIST # 24 UNDER NPDES NOTES.</p> <p>FOR EMERGENCY ASSISTANCE FROM THE FIRE DEPARTMENT CONTACT 911.</p> <p>CONTRACTOR TO DESCRIBE SPECIFIC MEASUREMENTS AT THE SITE, AND TO SHOW LOCATION IN MAP. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY.</p> <p>C. VEHICLE WASHING- VEHICLE ENGINE WASHING WITHIN THE CONSTRUCTION SITE IS NOT AUTHORIZED UNLESS CONDUCTED IN A DESIGNATED FACILITY/AREA WITH AN OIL/GREASE/SAND TRAP INTERCEPTOR OR AN OIL/WATER SEPARATOR. THE PRETREATMENT DEVICE MUST BE ABLE TO HOLD ALL CONTAMINANTS PRIOR TO WASTEWATERS BEING DISCHARGED INTO AN APPROVED SANITARY SEWER LINE. EXTERIOR WASHING MAY BE ALLOWED AS LONG AS SEDIMENT OR DIRT IS CONTAINED WITHIN THE SITE AND NOT DISCHARGED INTO A WATERWAY OR STORM SYSTEM.</p> <p>D. SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS: FOR ENVIRONMENTAL CONSIDERATIONS TO PROTECT WATER QUALITY, ALL PORTABLE LATRINES, FOOD SERVICE FACILITIES AND WASTE COLLECTION AREAS (INCLUDING PORTA-POTTYS) MUST BE LOCATED OUT OF HIGH FLOW AREAS, AWAY FROM ANY WATER WELLS, STATE WATERS, AND WATERWAYS (INCLUDING DRAINAGE DITCHES AND/OR STORMDRAIN INLETS/CULVERTS) WITHIN OR IN THE VICINITY OF THE CONSTRUCTION SITE/LIMITS. RECOMMENDED DISTANCE OF APPROXIMATELY 100' (30 METERS) FROM ANY WATER SOURCE.</p> <p>(A) CONTRACTOR MUST OBTAIN A PERMIT PRIOR TO ANY DISCHARGE INTO CITY SEWER SYSTEM TO MEET SANITARY SEWER AND SEWAGE DISPOSAL ORDINANCE REQUIREMENTS.</p> <p>(B) LATRINE PUMPING OF SANITARY AND SEPTIC WASTE (AS APPROPRIATE - IF USED) MUST BE APPROVED BY CITY. THESE FACILITIES MUST BE REGULAR SERVICING BY A QUALIFIED DOMESTIC WASTE HAULER.</p> <p>(C) ALL AREAS WHERE THESE MATERIALS ARE BEING STORED ONSITE MUST BE INSPECTED DAILY.</p> <p>BMP TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND GENERATION OF DUST:</p> <p>CONSTRUCTION EXITS (CO): CONSTRUCTION EXITS MUST BE IMPLEMENTED TO REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION AREA AT ANY POINT WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA. MAINTENANCE OF THE CO REQUIRES PERIODICALLY DRESSING WITH 1.5"-3" STONE AND IMMEDIATE REMOVAL OF TIRES AND DEBRIS TRACKED OR SPILLED ONTO ROADWAYS. CONDITION OF (CO) MUST BE INSPECTED DAILY.</p> <p>OFF-SITE VEHICLE TRACKING: OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICALLY POSSIBLE. RECOMMEND "WASHING STATIONS" BE IMPLEMENTED TO PREVENT SEDIMENT FROM WASHING INTO A PUBLIC ACCESS ROADWAY. ALL WASHING STATIONS MUST BE LOCATED WITHIN THE LAND DISTURBANCE LIMITS AND FOR ACCESS TO BE POSITIONED CLOSE TO OR ON THE CONSTRUCTION ENTRANCE. IN SOME CASES DIVERSION CHANNELS AND SMALL SEDIMENT PONDS MAY BE REQUIRE TO DIRECT AND COLLECT WASTEWATERS FROM THESE CLEANING OPERATIONS.</p> <p>CHECKLIST # 24 CONCRETE WASHDOWN OF TIRLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLES WITH APPROPRIATE BMP'S AS MENTIONED ABOVE. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.</p> <p>DUST CONTROL/FUGITIVE DUST: IN ADDITION TO BMP ESTABLISHED IN THE GA MANUAL FOR DUST CONTROL ON DISTURBED AREAS (DU), THE FOLLOWING CLEAN AIR ACT REQUIREMENTS, GA RULE 391-3-1-.02(N)(1)(D) UJ) FUGITIVE DUST CONTROL, WILL BE IMPLEMENTED. THE PERCENT OPAITY FROM ANY FUGITIVE DUST SOURCE SHALL NOT EQUAL OR EXCEED 20 PERCENT.</p>	<p>1. ALL PERSONS RESPONSIBLE FOR ANY OPERATION, PROCESSING, HANDLING, TRANSPORTATION OR STORAGE FACILITY WHICH MAY RESULT IN FUGITIVE DUST SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT SUCH DUST FROM BECOMING AIRBORNE. SOME REASONABLE PRECAUTIONS WHICH COULD BE TAKEN TO PREVENT DUST FROM BECOMING AIRBORNE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:</p> <p>(I) USE, WHERE POSSIBLE, OF WATER OR CHEMICALS FOR CONTROL OF DUST IN THE DEMOLITION OF EXISTING BUILDINGS OR STRUCTURES, CONSTRUCTION OPERATIONS, THE GRADING OF ROADS OR THE CLEARING OF LAND.</p> <p>(II) APPLICATION OF ASPHALT, WATER, OR SUITABLE CHEMICALS ON DIRT ROADS, MATERIALS, STOCKPILES, AND OTHER SURFACES WHICH CAN GIVE RISE TO AIRBORNE DUSTS.</p> <p>(III) INSTALLATION AND USE OF HOODS, FANS, AND FABRIC FILTERS TO ENSURE AND VENT THE HANDLING OF DUSTY MATERIALS. ADEQUATE CONTAINMENT METHODS CAN BE EMPLOYED DURING SANDBLASTING OR OTHER SIMILAR OPERATIONS;</p> <p>(IV) COVERING, AT ALL TIMES WHEN IN MOTION, OPEN BODIED TRUCKS, TRANSPORTING MATERIALS LIKELY TO GIVE RISE TO AIRBORNE DUSTS;</p> <p>(V) THE PROMPT REMOVAL OF EARTH OR OTHER MATERIAL FROM PAVED STREETS ONTO WHICH EARTH OR OTHER MATERIAL HAS BEEN DEPOSITED.</p> <p>2. THE PERCENT OPAITY FROM ANY FUGITIVE DUST SOURCE LISTED IN PARAGRAPH (2)(N)(1), ABOVE SHALL NOT EQUAL OR EXCEED 20 PERCENT.</p> <p>OPEN BURNING: OPEN BURNING IS NOT AUTHORIZED ANYWHERE IN THE STATE OF GEORGIA. HOWEVER, THERE ARE CERTAIN CONDITIONS OUTLINED IN THE GA RULES FOR AIR QUALITY CONTROL, THAT AUTHORIZES BURN OPERATIONS PROVIDED THAT CERTAIN CONDITIONS ARE MET. ONE OF THEM IS: BURNING OF VEGETATIVE MATERIAL FOR THE PURPOSE OF LAND CLEARING USING AN AIR CURTAIN DESTRUCTOR PROVIDED THE FOLLOWING CONDITIONS ARE MET:</p> <p>(I) AUTHORIZATION FOR SUCH OPEN BURNING IS RECEIVED FROM THE FIRE DEPARTMENT, IF REQUIRED, HAVING LOCAL JURISDICTION OVER THE OPEN BURNING LOCATION PRIOR TO INITIATION OF ANY OPEN BURNING AT SUCH LOCATION;</p> <p>(II) THE LOCATION OF THE AIR CURTAIN DESTRUCTOR IS AT LEAST 300 FEET FROM ANY OCCUPIED STRUCTURE OR PUBLIC ROAD. AIR CURTAIN DESTRUCTORS USED SOLELY FOR FUGITIVE DUST LINE CLEARING OR ROAD CLEARINGS MAY BE LOCATED AT A LESSER DISTANCE UPON APPROVAL BY THE DIVISION;</p> <p>(III) NO MORE THAN ONE AIR CURTAIN DESTRUCTOR IS OPERATED WITHIN A TEN (10) ACRE AREA AT ONE TIME OR THERE MUST BE AT LEAST 1000 FEET BETWEEN ANY TWO AIR CURTAIN DESTRUCTORS;</p> <p>(IV) ONLY WOOD WASTE CONSISTING OF TREES, LOGS, LARGE BRUSH AND STUMPS WHICH ARE RELATIVELY FREE OF SOIL ARE BURNED IN THE AIR CURTAIN DESTRUCTOR;</p> <p>(V) TIRES OR OTHER RUBBER PRODUCTS, PLASTICS, HEAVY OILS OR ASPHALTIC BASED OR IMPREGNATED MATERIALS ARE NOT USED TO START OR MAINTAIN THE OPERATION FOR THE AIR CURTAIN DESTRUCTOR;</p> <p>(VI) THE AIR CURTAIN DESTRUCTOR IS CONSTRUCTED, INSTALLED AND OPERATED IN A MANNER CONSISTENT WITH GOOD AIR POLLUTION CONTROL PRACTICE FOR MINIMIZING EMISSIONS OF FLY ASH AND SMOKE;</p> <p>(VII) THE CLEANING OUT OF THE AIR CURTAIN DESTRUCTOR PIT IS PERFORMED IN A MANNER TO PREVENT FUGITIVE DUST;</p> <p>(VIII) THE AIR CURTAIN DESTRUCTOR CANNOT BE FIRED BEFORE 10:00 AM AND THE FIRE MUST BE COMPLETELY EXTINGUISHED, USING WATER OR BY COVERING WITH DIRT, AT LEAST ONE HOUR BEFORE SUNSET.</p>
SPILL PREVENTION NOTES	
<p>THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.</p> <p><u>GOOD HOUSEKEEPING:</u></p> <p>THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.</p> <p>- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB AND MATERIAL STORED ONSITE WILL BE STORED IN AN ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.</p> <p>- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.</p> <p>- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.</p> <p>- WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.</p> <p>- MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.</p> <p>- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.</p> <p>- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS OF THE INCIDENT. FOR AREAS OF CONCERN THAT MAY BE CONTACTED WITHIN 24 HOURS OF THE INCIDENT.</p> <p>- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.</p> <p>- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.</p> <p>- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.</p> <p>- ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SUCH LABELS AND MATERIAL SAFETY DATA MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WOULD BE FOLLOWED.</p> <p><u>HAZARDOUS PRODUCTS:</u></p> <p>THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.</p> <p>- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.</p> <p>- ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SUCH LABELS AND MATERIAL SAFETY DATA MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WOULD BE FOLLOWED.</p> <p><u>PRODUCT SPECIFIC PRACTICES</u></p> <p>THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:</p> <p><u>PETROLEUM PRODUCTS</u> - ALL ONSITE WILL BE MONITORED FOR LEAKS AND WILL BE ASK TO PROVIDE PREVENTIVE MAINTENANCE RECORDS IF NEEDED. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.</p> <p><u>FERTILIZERS</u> - FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. ANY UNUSED MATERIALS SHOULD BE REMOVED FROM THE SITE.</p> <p><u>PAINTS</u> - ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS OF STATE AND LOCAL REGULATIONS.</p> <p><u>CONCRETE TRUCKS</u> - CONCRETE TRUCKS WILL HAVE TO WASH DOWN TOOLS, CHUTES, HOPPERS, AND REAR OF VEHICLE AT THE LOCATION SHOWN ON THE PLAN UNTIL JOB IS COMPLETE. ONCE JOB IS COMPLETED THE DRIED CONCRETE WILL HAVE TO BE REMOVED FROM THE SITE.</p> <p><u>SPILL CONTROL PRACTICES</u></p> <p>IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:</p> <p>- MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE AVAILABLE ON THE JOB SITE AND PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES, LOCATION OF INFORMATION, AND CLEANUP SUPPLIES.</p> <p>- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE STORAGE TRAILER OF THE SUPERINTENDENT. THE MATERIALS AND EQUIPMENT WILL INCLUDE THE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, FLOOR ABRASANT, SAND, SAWDUST, AND PLASTIC OR METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.</p> <p>- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.</p> <p>- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FOR CONTACT WITH HAZARDOUS SUBSTANCE.</p> <p>- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE AND LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.</p> <p>- THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES TAKEN WILL BE KEPT ON FILE.</p> <p>- THE JOB SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL HAVE OTHER CONTRACTORS ON SITE WOULD HELP WITH THE PREVENTION AND CLEANUP. THE PERSONNEL NAMES WILL BE POSTED IN THE OFFICE JOB TRAILER ONSITE. (NOTE THAT THE PERSONNEL TO CLEANUP TRADES THAT HAS A SPILL WILL BE RESPONSIBLE FOR HELPING WITH THE CLEANUP ALONG WITH THE JOB SITE SUPERINTENDENT).</p> <p><u>SOIL CLEANUP AND CONTROL PRACTICES</u></p> <p>- LOCAL STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.</p> <p>- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS.</p> <p>- TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.</p> <p>- SPILL PREVENTER PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.</p> <p>- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.</p> <p><u>SANITARY WASTE</u></p> <p>A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLIANCE WITH LOCAL AND STATE REGULATIONS.</p> <p>ALL SANITARY WASTE UNITS WILL BE LOCATED IN ONE AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS SUBMITTAL OF A SPECIALLY DESIGNED PLASTIC CONTAINER AROUND THE BASE, TO PREVENT WASTE FROM CONTRIBUTING TO STORMWATER DISCHARGE. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE. SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM AT THE COMPLETION OF THIS PROJECT.</p>	<p><u>WASTE MATERIALS</u></p> <p>ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH FROM THE CONSTRUCTION SITE WILL BE DEPOSITED INTO THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.</p> <p>ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURE FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURE ARE FOLLOWED.</p> <p><u>HAZARDOUS MATERIALS</u></p> <p>ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS AND MSDS FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES MUST BE OBTAINED AND KEPT ON FILE. THE MATERIAL SAFETY DATA SHEETS WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCC FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.</p> <p>THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THE ESPCC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEAN UP AND HANDLING OF SPECIFIC MATERIALS. NO SPILLS OF SOLID MATERIALS OR HAZARDOUS WASTE WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGE. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF SPCC PLAN.</p> <p><u>NPDES INSPECTION REQUIREMENTS **</u></p> <p>A. PERMITTEE REQUIREMENTS:</p> <p>(1) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (B) THE LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL ONCE EACH 24 HOUR PERIOD AT THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.</p> <p>(2) MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A GROUP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.</p> <p>(3) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION, (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION, AND (C) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE. SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. CERTIFIED PERSONNEL SHALL ALSO CONDUCT INSPECTIONS WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY (AND/OR WORKING DAY, WHICHEVER OCCURS FIRST)) POST-RAIN INSPECTIONS WILL RESET THE 7-DAY INSPECTION FREQUENCY REQUIREMENT, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, PERSONNEL MUST COMPLY WITH PART IV D.4.A (3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.</p> <p>(4) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S), EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).</p> <p>(5) BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES MUST BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.</p> <p>(6) A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV D.4.A (4). OF THIS PERMIT SHALL BE MADE AND KEPT ON FILE. THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.</p>
NPDES RECORD KEEPING REQUIREMENTS **	
<p>REPORT KEEPING:</p> <p>COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.</p> <p>MAINTENANCE: THE PLAN SHALL INCLUDE A DESCRIPTION OF PROCEDURES TO ENSURE THE TIMELY MAINTENANCE OF VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THE SITE PLAN.</p> <p>REPORTING:</p> <p>1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART I.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT, UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.</p> <p>2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:</p> <p>A. THE RAINFALL AMOUNT, DATE, TIME, AND EXACT LOCATION OF THE MEASUREMENTS;</p> <p>B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;</p> <p>C. THE DATE(S) ANALYSES WERE PERFORMED;</p> <p>D. THE TIME(S) ANALYSES WERE MADE;</p> <p>E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;</p> <p>F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;</p> <p>G. THE DATE(S) OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC. USED TO DETERMINE THESE RESULTS;</p> <p>H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU"; AND</p> <p>I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.</p> <p>3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN MAIL TO THE ADDRESS SHOWN IN PART I.C. OF THIS PERMIT OR BY DELIVERY TO THE APPROPRIATE EPD DISTRICT OFFICE RESOURCE MAILBOX ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL TO THE PERMITTED SITE OR THE PROOF OF SUBMITTAL TO THE DESIGNATED LOCATION AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.</p>	<p><u>RETENTION OF RECORDS **</u></p> <p>CHECKLIST #32</p> <p>1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:</p> <p>A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD.</p> <p>B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT.</p> <p>C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV A.5. OF THIS PERMIT.</p> <p>D. A COPY OF ALL MONITORING REPORTS, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT.</p> <p>E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV D.4.A. OF THIS PERMIT.</p> <p>F. A COPY OF ALL BMP FAILURE AND SEDIMENT IMPACT SUMMARYS AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART I.D OF THIS PERMIT; AND</p> <p>G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV D.4.A.(1)(C) OF THIS PERMIT.</p> <p>2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.</p> <p><u>PART VI TERMINATION OF COVERAGE **</u></p> <p>THE PRIMARY PERMITTEE (OPERATOR/CONTRACTOR) MUST COMPLY AND ADHERE TO THE REQUIREMENTS IDENTIFIED IN GAR 100001 PART VI WHEN SUBMITTING A NOTICE OF TERMINATION (NOT).</p> <p>A NOTICE OF TERMINATION (NOT), SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT, MUST BE SUBMITTED BY THE PERMITTEE WHERE THE ENTIRE STAND ALONE DEVELOPMENT HAS UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT HAVE CEASED. FOR CONSTRUCTION ACTIVITIES WHERE THE PRIMARY PERMITTEE HAS ELECTED TO SUBMIT NOIS FOR SEPARATE PHASES OF THE STAND ALONE DEVELOPMENT, THE PHASE OR PHASES OF THE STAND ALONE DEVELOPMENT ON THE NOT SHALL CORRESPOND TO THE PHASE OR PHASES ON THE NOI AND SHALL HAVE UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT SHALL HAVE CEASED.</p> <p>A NOTICE OF TERMINATION ELIGIBILITY. NOTICE OF TERMINATION (NOT), SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT, MUST BE SUBMITTED:</p> <p>1. FOR CONSTRUCTION ACTIVITIES, BY THE PERMITTEE WHERE THE ENTIRE STAND ALONE DEVELOPMENT HAS UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT HAVE CEASED. FOR CONSTRUCTION ACTIVITIES WHERE THE PRIMARY PERMITTEE HAS ELECTED TO SUBMIT NOIS FOR SEPARATE PHASES OF THE STAND ALONE DEVELOPMENT, THE PHASE OR PHASES OF THE STAND ALONE DEVELOPMENT ON THE NOT SHALL CORRESPOND TO THE PHASE OR PHASES ON THE NOI AND SHALL HAVE UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT SHALL HAVE CEASED.</p> <p>2. BY THE OWNER OR OPERATOR WHEN THE OWNER OR OPERATOR OF THE SITE CHANGES. WHERE STORM WATER DISCHARGES WILL CONTINUE AFTER THE IDENTITY OF THE OWNER OR OPERATOR CHANGES, THE PERMITTEE MUST, PRIOR TO FILING THE NOTICE OF TERMINATION, NOTIFY ANY SUBSEQUENT OWNER OR OPERATOR OF THE PERMITTED SITE AS TO THE REQUIREMENTS OF THIS PERMIT.</p> <p>NOTE FOR NOTICE OF TERMINATION AND FINAL PHASE BMP'S: IN COMPLIANCE WITH NPDES PERMIT GAR 100001, IT SHOULD BE UNDERSTOOD THAT A NOTICE OF TERMINATION (NOT) WILL NOT BE PROCESSED BY THE DPW OFFICE UNTIL A SITE INSPECTION IS CONDUCTED AND THE FOLLOWING STANDARDS HAVE BEEN MET:</p> <p>A. 100% OF THE SOIL SURFACE (DISTURBED AREAS) IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, C, OR EQUIVALENT PERMANENT STABILIZATION MEASURES SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHOULD CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF THE YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION.</p> <p>C. NOTICE OF TERMINATION SUBMITTAL. ALL NOTICES OF TERMINATION (NOT) BY THIS PERMIT SHALL BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD WITHIN 14 DAYS OF COMPLETION OF PROJECT THAT MEETS AS NOTED IN VI.A.1. A COPY OF THE NOT SHALL ALSO BE SUBMITTED TO THE LOCAL ISSUING AUTHORITY IN JURISDICTIONS AUTHORIZED TO ISSUE A LAND USE ACTIVELY PERMIT FOR THE PERMITTEE'S CONSTRUCTION SITE PURSUANT TO O.C.G.A. 12-7-1, ET SEQ.</p> <p><u>NPDES SAMPLING REQUIREMENTS **</u></p> <p>CHECKLIST #31</p> <p>SAMPLING REQUIREMENTS: THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.</p> <p>a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:</p> <p>1. A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE STATION OF CONSTRUCTION, (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE LOCATION OF THE STATION OF ALL SAMPLING LOCATIONS FOR EACH REPRESENTATIVE STORMWATER OUTFALL, WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP.</p> <p>2. A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;</p> <p>(3) WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE MONITORED, A RATIONALE MUST BE INCLUDED FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND</p> <p>(4) ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.</p> <p>C. SAMPLING POINTS:</p> <p>(1) FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALL(S) USING THE FOLLOWING MINIMUM GUIDELINES:</p> <p>(A) THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE RECEIVING WATER(S) OR THE POINT OF DISCHARGE OF THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE. SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN TO DETERMINE THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.</p> <p>(B) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE POINT OF DISCHARGE OF THE PERMITTED ACTIVITY, WHERE APPROPRIATE. SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN TO DETERMINE THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.</p> <p>(C) IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).</p> <p>(D) CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.</p> <p>(E) THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.</p> <p>(F) THE SAMPLER SHOULD BE FREE FROM STIRRING DEBRIS.</p> <p>(G) PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHEET FLOW IS DEFINED AS SHEET FLOW COVERED BY PERMANENT PLANTED LANDSCAPE AREAS AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL. 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN UNIFORMLY COVERED WITH LANDSCAPING MATERIALS (PLANTED LANDSCAPE AREAS) OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).</p> <p>(H) ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS I.D.3, OR III.D.4, WHICHEVER IS APPLICABLE.</p>
SAMPLING FREQUENCY **	
<p>(1) THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION.</p> <p>(2) HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE MUST TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.</p> <p>(3) SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:</p> <p>(A) FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE</p>	

CRUSHED STONE CONSTRUCTION EXIT



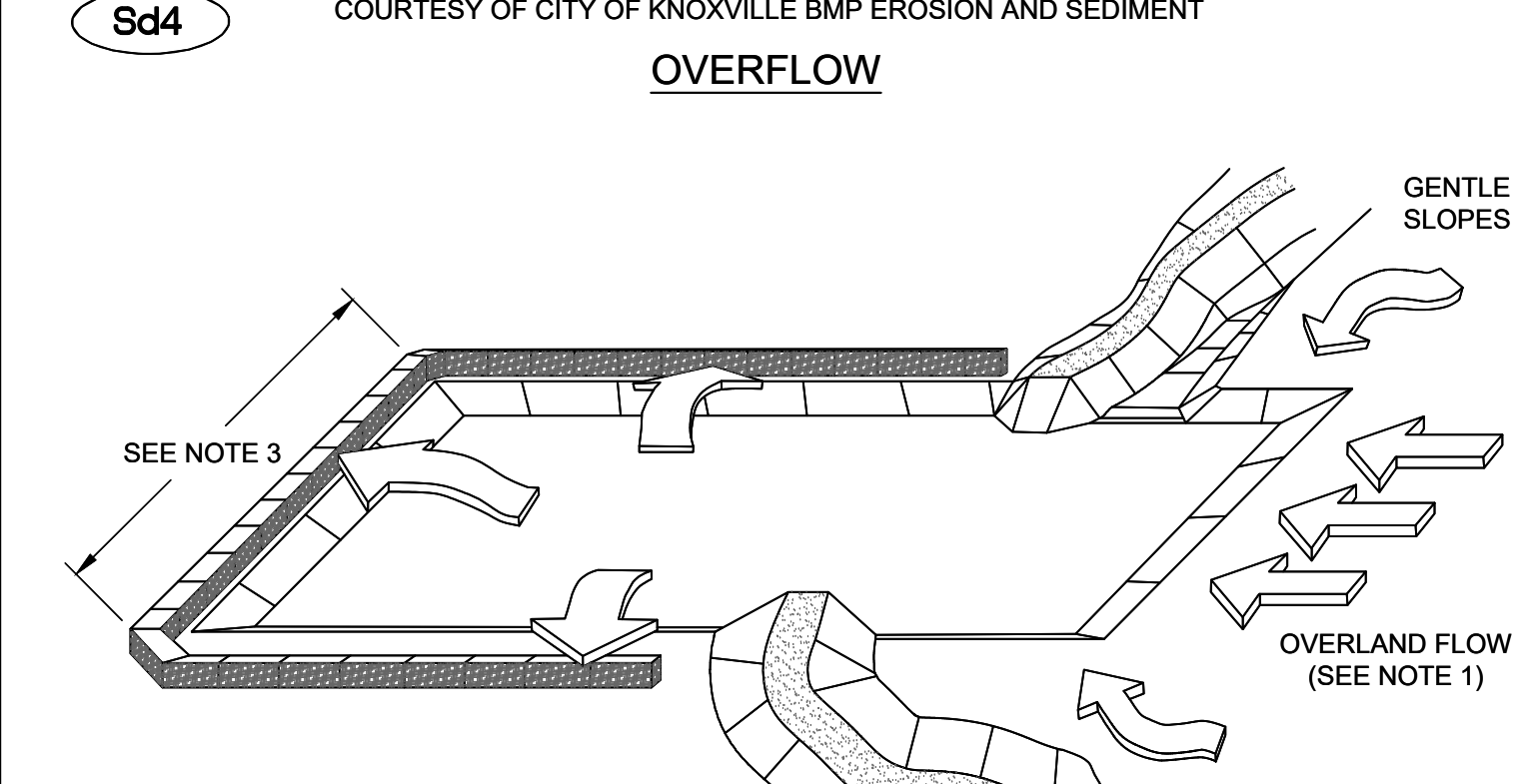
- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Sd1-S SILT FENCE - TYPE SENSITIVE



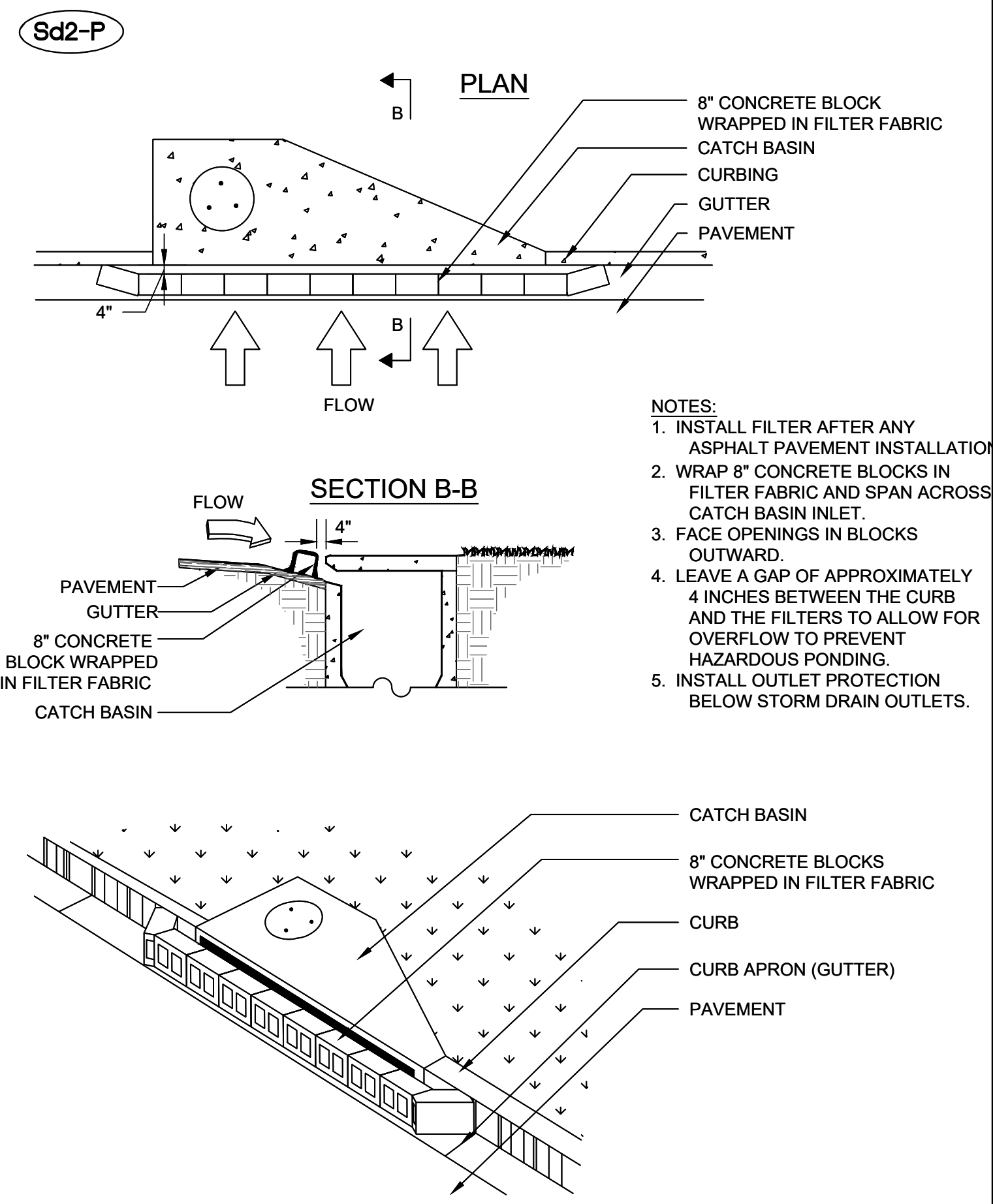
- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (3') IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd4 TEMPORARY SEDIMENT TRAP



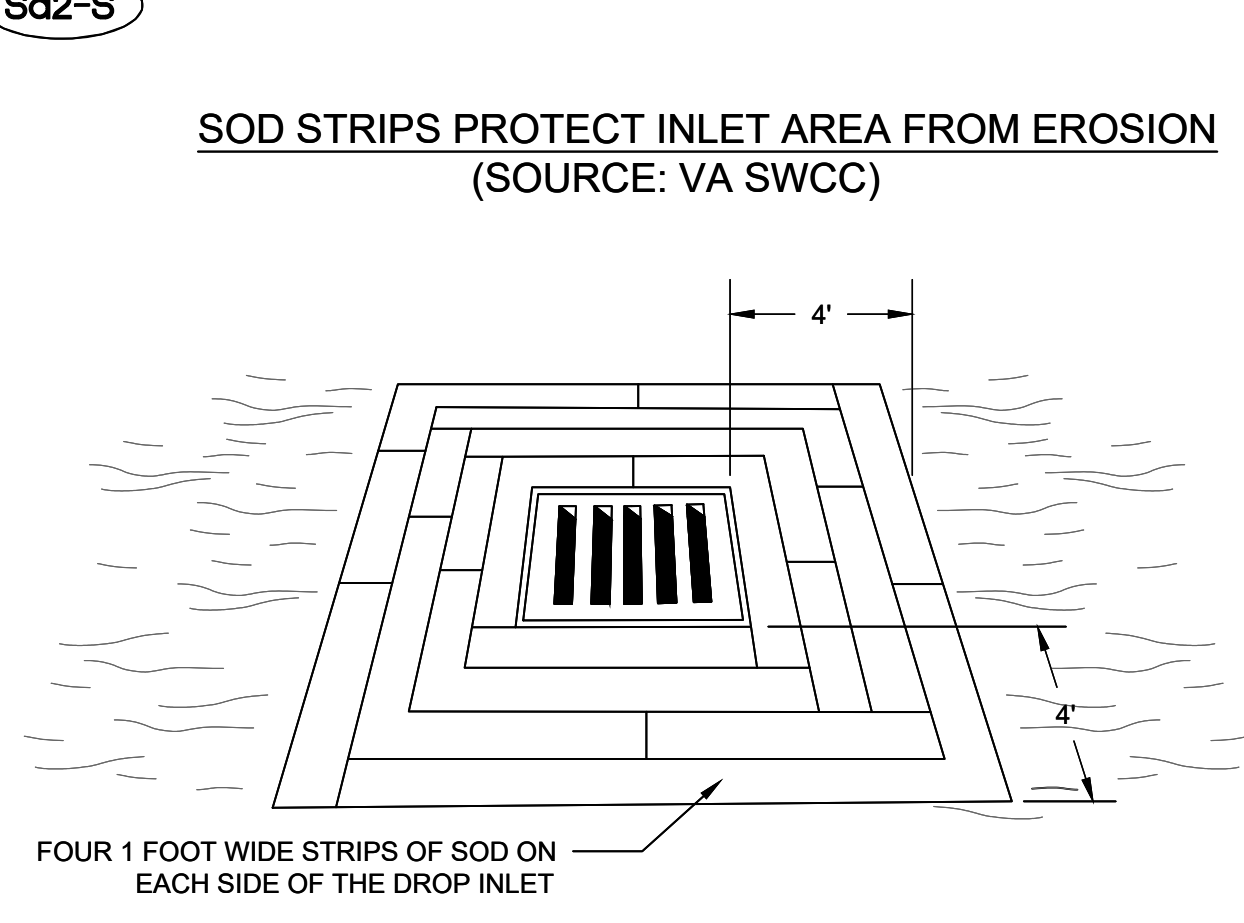
- NOTES:**
1. MAXIMUM AREA FOR OVERFLOW SEDIMENT TRAP IS USUALLY 1 ACRE. MUST HAVE GENTLE SLOPES (LESS THAN 2% GRADUALLY) AND PREDOMINATELY OVERLAND SHEET FLOW.
 2. MAXIMUM PERMANENT WET DEPTH IS 2 FEET. OVERFLOW SEDIMENT TRAPS MAY NOT BE EFFECTIVE FOR HIGH GROUNDWATER TABLE AND INFLOWS.
 3. USE THE MOST PERMEABLE SEDIMENT CONTROL IN LABELED AREA SO AS TO MAXIMIZE TRAVEL TIME AND SETTLING OF SEDIMENT.

Sd2-P CURB INLET FILTER "PIGS IN BLANKET"



- NOTES:**
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
 2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 3. FACE OPENINGS IN BLOCKS OUTWARD.
 4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
 5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

Sd2-S INLET SEDIMENT TRAP

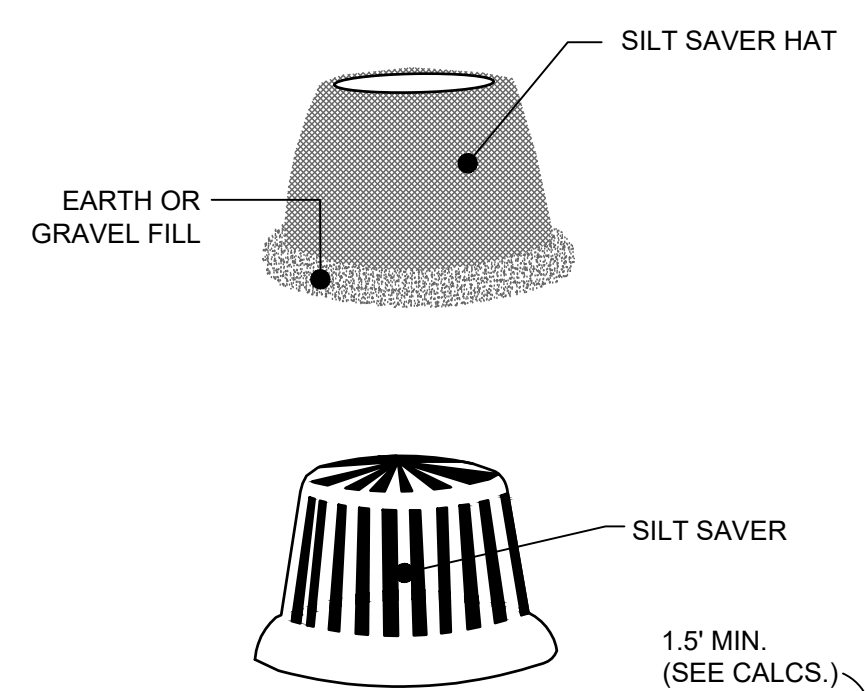
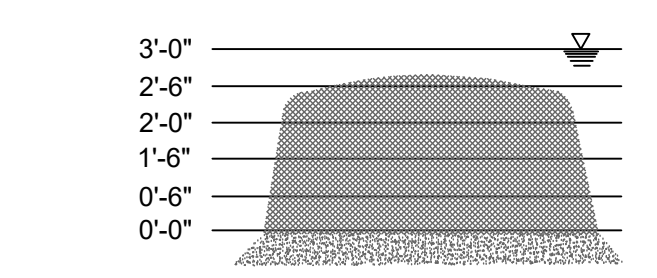


FOUR 1 FOOT WIDE STRIPS OF SOD ON EACH SIDE OF THE DROP INLET

SILT SAVER (SS-100A) FRAME & FILTER DISCHARGE ANALYSIS

ORIFICE ONLY FLOW CALCULATIONS

OPENING HEAD (ft)	FILTER AREA (sf)	FRAME AREA (sf)	FRAME FLOW (cfs)	FILTERED FLOW (cfs)	FILTERED FLOW (cfs)
3.0	2.1	6.0	2.0	7.0	2.0
2.6	3.9	12.0	3.0	19.0	3.0
2.0	7.0	18.0	5.0	41.0	5.0
1.5	8.0	24.0	7.0	54.0	7.0
1.0	9.2	30.0	9.0	70.0	9.0
0.5	9.2	30.0	9.0	77.0	77.0



- NOTES:**
1. DUE TO NARROW SLOT, A TRANSITION WILL OCCUR BETWEEN WEIR AND ORIFICE CONDITIONS.
 2. ORIFICE FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW, THEREFORE THE LESSER OF THE ORIFICE AND WEIR FLOWS WILL BE USED FOR EACH STAGE CALCULATION.
 3. FILTER MATERIAL ALLOWS 129 gpm/sf OR 0.29 cfs/SF
ORIFICE EQUATION (O)= $Q=0.6A(2gh)^{0.5}$
P= FEET PERIMETER
H= HEAD IN FEET
FRAME
g= 32.2 FEET PER SECOND PER SECOND

MAINTENANCE:

THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.

Sd2-F SILT SAVER (EXCAVATED) SEDIMENT TRAP DETAIL
N.T.S.

REVISION INFORMATION

REV.	OR.	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID



GSWCC CERT. #85093
EXP. 08.25.24

ESPC SITE DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

EC1.06

PROJ. NO. : 3808805

SEE LANDSCAPE PLANS FOR LIMITS OF SOD AND FINAL VEGETATIVE COVER. ALL SEEDING AND SODDING SPECIFICATIONS SHOWN ON THE LANDSCAPE PLANS SHALL SUPERCEDE THESE CHARTS.

SPECIES	BROADCAST RATES 2/ - PLS 3/		RESOURCE AREA	PLANTING RATES BY RESOURCE AREA PLANTING DATES												REMARKS			
	PER ACRE	PER 1000 SQ. FT.		OPTIMUM PERMISSIBLE BUT MARGINAL															
				J	F	M	A	M	J	J	A	S	O	N	D				
BERMUDA, COMMON (CYNODON DACTYLON) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS 6 LBS	0.2 LB 0.1 LB	P C													1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.			
BERMUDA, COMMON (CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS 6 LBS	0.2 LB 0.1 LB	P C													PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.			
CENTPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY		P C													DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION AS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.			
FESCUE, TALL (FESTUCA ARUNDINACEA) ALONE WITH OTHER PERENNIALS	50 LBS 30 LBS	1.1 LB 0.7 LB	M-L P C													227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.			
LESPEDEZA, SERICEA (LESPEDEZA CUNEATA) SCARIFIED	60 LBS	1.4 LB	M-L P C													350,000 SEED PER POUND. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS. COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROAD BANKS. INOCULATE SEED WITH EL INOCULANT.			
UNSCARIFIED	75 LBS	1.7 LB	M-L P C													MIX WITH TALL FESCUE OR WINTER ANNUALS.			
SEED-BEARING HAY	3 TONS	138 LB	M-L P C													CUT WHEN SEED IS MATURE. BUT BEFORE IT SHATTERS. TALL FESCUE OR WINTER ANNUALS.			
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA) ALONE WITH OTHER PERENNIALS	4 LBS 2 LBS	0.1 LB 0.05 LB	M-L P C													1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS.			

FERTILIZER REQUIREMENTS:

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC. 1/ 2/
	SECOND MAINTENANCE	6-12-12 10-10-10	1000 LBS./AC. 400 LBS./AC.	- 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500 LBS./AC.	0-50 LBS./AC. 1/
	SECOND MAINTENANCE	0-10-10 10-10-10	1000 LBS./AC. 400 LBS./AC.	- -
3. GROUND COVERS	FIRST	10-10-10	1300 LBS./AC. 3/	-
	SECOND MAINTENANCE	10-10-10 10-10-10	1300 LBS./AC. 3/ 1100 LBS./AC. 3/	- -
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	-
5. SHRUB LESPEDEZA	FIRST	0-10-10	700 LBS./AC.	-
	MAINTENANCE	0-10-10	700 LBS./AC. 4/	-
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS./AC.	30 LBS./AC. 5/
7. WARM SEASON GRASSES	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC. 2/ 6/
	SECOND MAINTENANCE	6-12-12 10-10-10	800 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 2/ 30 LBS./AC.
8. WARM SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500 LBS./AC.	50 LBS./AC. 6/
	SECOND MAINTENANCE	0-10-10 0-10-10	1000 LBS./AC. 400 LBS./AC.	- -

SPECIFICATION:

- A. GRADING AND SHAPING
 1. GRADING AND SHAPING IS NOT NORMALLY REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENTS.
- B. SEEDBED PREPARATION
 1. SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED.
 2. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:
 - A. BROADCAST PLANTING
 1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
 - C. LIME AND FERTILIZER RATES AND ANALYSIS
 1. WHERE PERMANENT VEGETATION IS TO BE ESTABLISHED, AGRICULTURAL LIME SHALL BE APPLIED AS INDICATED BY SOIL TEST OR AT THE RATE OF 1 TO 2 TONS PER ACRE. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.
 2. LIME SPREAD BY CONVENTIONAL EQUIPMENT WILL BE "GROUND LIMESTONE". GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90 PERCENT OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100-MESH SIEVE.
 3. AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT WILL BE "FINELY GROUND LIMESTONE". FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 98 PERCENT OF THE MATERIAL WILL PASS THROUGH A 20-MESH SIEVE AND NOT LESS THAN 70 PERCENT WILL PASS THROUGH A 100-MESH SIEVE.
 - D. LIME AND FERTILIZER APPLICATION
 1. WHEN HYDRAULIC SEEDING EQUIPMENT IS USED:
 - A. THE INITIAL FERTILIZER WILL BE MIXED WITH SEED, INOCULANT (IF NEEDED) AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE SLURRY WILL BE AGITATED DURING APPLICATION TO KEEP THE INGREDIENTS THOROUGHLY MIXED. THE MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.
 - B. FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING.
 2. WHEN CONVENTIONAL PLANTING IS TO BE DONE, LIME AND FERTILIZER WILL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS:
 - A. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDBED PREPARATION; OR,
 - B. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS; OR,
 - C. BROADCAST AFTER STEEP SURFACES AND SCARIFIED, PITTED OR TRENCHED.
 - D. A FERTILIZER PELLET WILL BE PLACED AT ROOT DEPTH.
- * REVISED 7/01 PER 5TH EDITION OF MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.

- 1/ APPLY IN SPRING FOLLOWING SEEDING.
- 2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
- 3/ APPLY IN 3 SPLIT APPLICATIONS.
- 4/ APPLY WHEN PLANTS ARE PRUNED.
- 5/ APPLY TO GRASS SPECIES ONLY.
- 6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

DISTURBED AREA STABILIZATION (MULCH ONLY)

MULCHING OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR SEASON EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF SOIL SURFACE.

- MULCHING MATERIALS, APPLICATION, AND ANCHORING:
1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. APPLIED UNIFORMLY BY HAND OR MECHANICAL EQUIPMENT. SHALL BE PRESSED INTO THE SOIL WITH A DISK HARROW OR A PACKER DISK. IF SPREAD BY A BLOWER-TYPE EQUIPMENT, ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE - 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. REFER TO 'GSWCC MANUAL (2016 EDITION) To - TACKIFIERS AND BINDERS.
 2. WOOD WASTE (CHIPS, SAWDUST, OR BARK), SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES DEEP. NETTING OF APPROPRIATE SIZE SHALL BE USED TO ANCHOR.
 3. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. ANCHOR TRENCHED AT TOP AS WELL AS INCREMENTALLY AS NECESSARY.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SIX MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATION TECHNIQUES SHALL BE EMPLOYED.

- SITE PREPARATION:
1. GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
 2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES, AND SEDIMENT BARRIERS.
 3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

APPLYING MULCH:
MULCHING RATE: MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.

1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES, PROVIDING COMPLETE SOIL COVERAGE, UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. WOOD WASTE (CHIPS, SAWDUST, OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES, UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT. ORGANIC MATERIAL FROM THE CLEARING STAGE OF THE DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH.
3. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.
4. OUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OF DAMAGE TO SHOES, CLOTHING, ETC.
5. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

- ANCHORING MULCH:
1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK". DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION TB-TACKIFIERS, PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 2. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
 3. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

INSTALLATION OPTIONS:

1. APPLY ACCORDING TO APPROVED PLAN, IF SHOWN.
2. MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL OR TERRATAK ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION.
4. IRRIGATE DISTURBED AREAS UNTIL SURFACE IS WET.
5. COVER SURFACES WITH CRUSHED STONE OR GRAVEL.
6. APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACES MOIST.

MAINTENANCE:

1. PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.
2. SUPPLEMENT SURFACE COVERING AS NEEDED.

Du DUST CONTROL ON DISTURBED AREAS
N.T.S.

Ds1 MULCHING
N.T.S.

SPECIES	BROADCAST RATES 2/ - PLS 3/		RESOURCE AREA	PLANTING RATES BY RESOURCE AREA PLANTING DATES												REMARKS			
	PER ACRE	PER 1000 SQ. FT.		OPTIMUM PERMISSIBLE BUT MARGINAL															
				J	F	M	A	M	J	J	A	S	O	N	D				
MILLET, PEARL (PENNESETUM GLAUCUM) ALONE	50 LBS	1.1 LB	M-L P C													88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.			
RYEGRESS, ANNUAL (LOLIUM TEMULENTUM) ALONE	40 LBS	0.9 LB	M-L P C													227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES			
SUDANGRASS (SORGHUM SUDANESE) ALONE	60 LBS	1.4 LB	M-L P C													55,000 SEED PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.			
MILLET, BROWNTOP (PANICUM FASCICULATUM) ALONE IN MIXTURES	40 LBS 10 LBS	0.9 LB 0.2 LB	M-L P C													137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.			

SPECIFICATIONS

- A. GRADING AND SHAPING
 1. EXCESSIVE WATER RUNOFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BASINS, AND OTHERS.
- B. SEEDBED PREPARATION
 1. WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED.
 2. WHEN USING CONVENTIONAL OR HAND-SEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.
 3. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH UNDISTURBED CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED, OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.
- C. LIME AND FERTILIZER
 1. AGRICULTURAL LIME IS NOT REQUIRED.
 2. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED.
 3. ON SOILS OF VERY LOW FERTILITY, USE 500 TO 700 POUNDS 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1000 SQ. FT.), IF THE SITE WILL PERMIT, APPLY BEFORE LAND PREPARATION AND DISK, RIP, OR CHISEL TO INCORPORATE.
- D. SEEDING
 1. SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR.
 2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER), DRILL OR CULTIPACKER-SEEDERS SHOULD NORMALLY PLACE SEED ONE-HALF TO ONE INCH DEEP.
- E. MULCHING

TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. SEE DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).
- F. IRRIGATION

IF WATER IS APPLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.
- * REVISED 7/01 PER 5TH EDITION OF MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.

Ds2 DISTURBED AREA STABILIZATION
(WITH TEMPORARY SEEDING)
N.T.S.

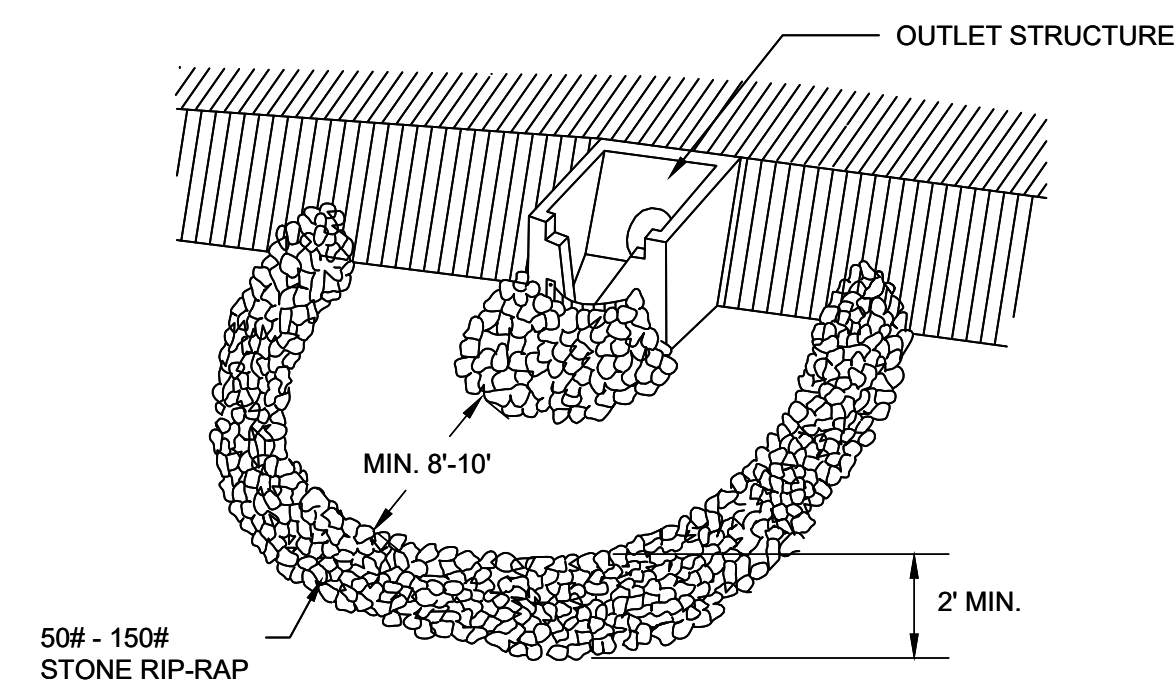
Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)
N.T.S.

Ds4 DISTURBED AREA STABILIZATION - REFER TO LANDSCAPE DRAWINGS
(WITH PERMANENT SEEDING)

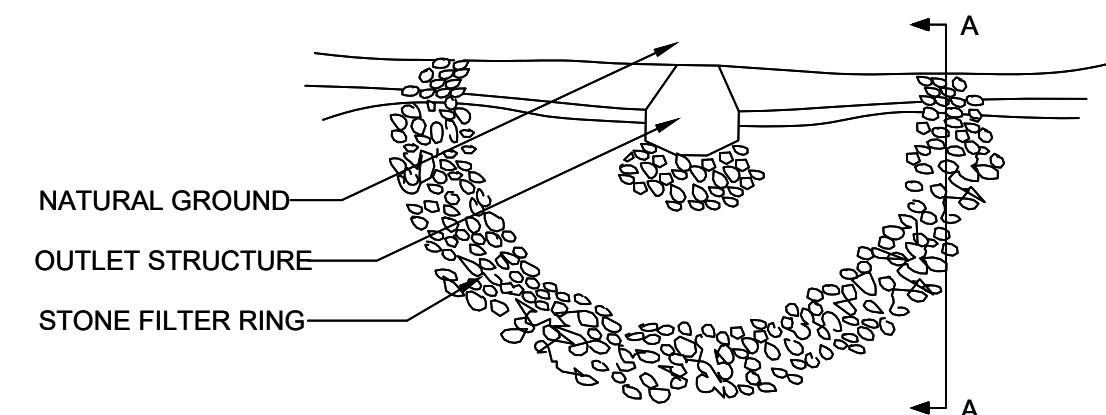
Fr

STONE FILTER RING

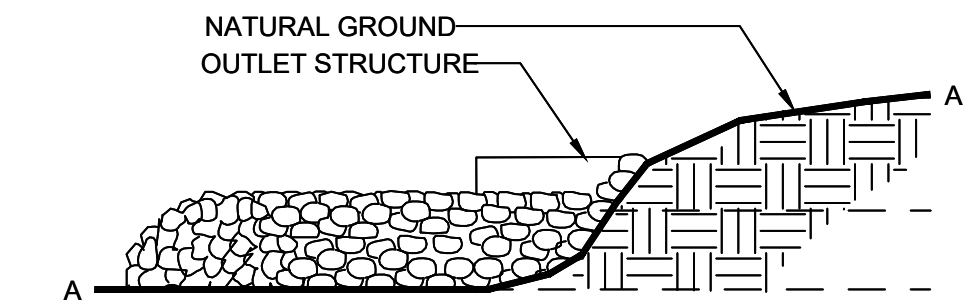
PERSPECTIVE VIEW



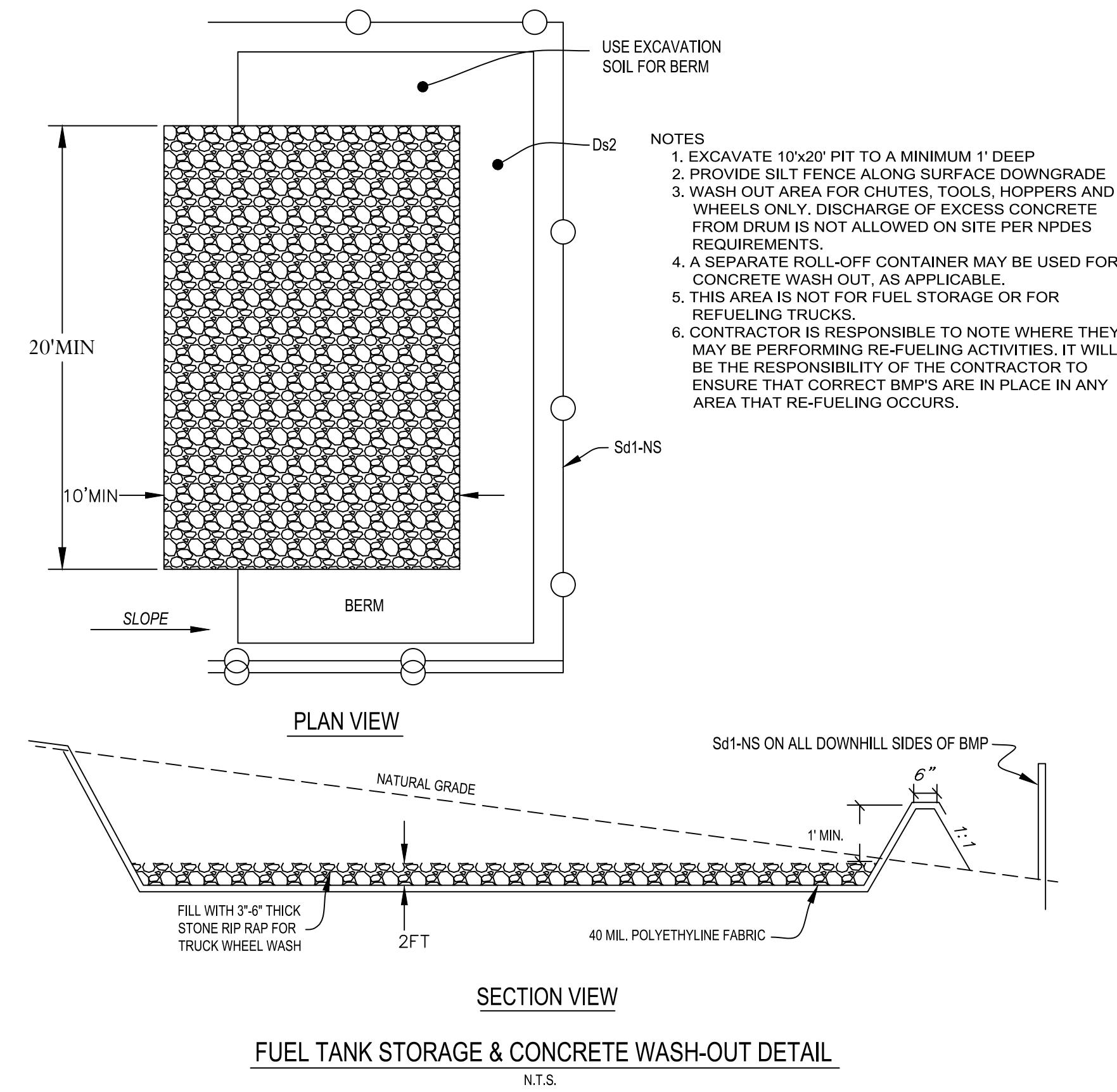
PLAN VIEW (NOT TO SCALE)



CROSS SECTION (NOT TO SCALE)



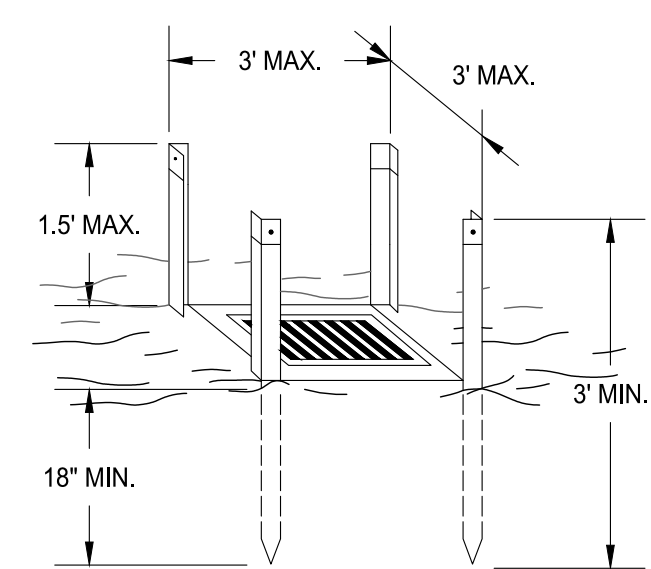
THIS PROJECT DOES ALLOW THE CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND REAR OF VEHICLES ON THE PROJECT SITE. REFER TO THE FOLLOWING DETAIL



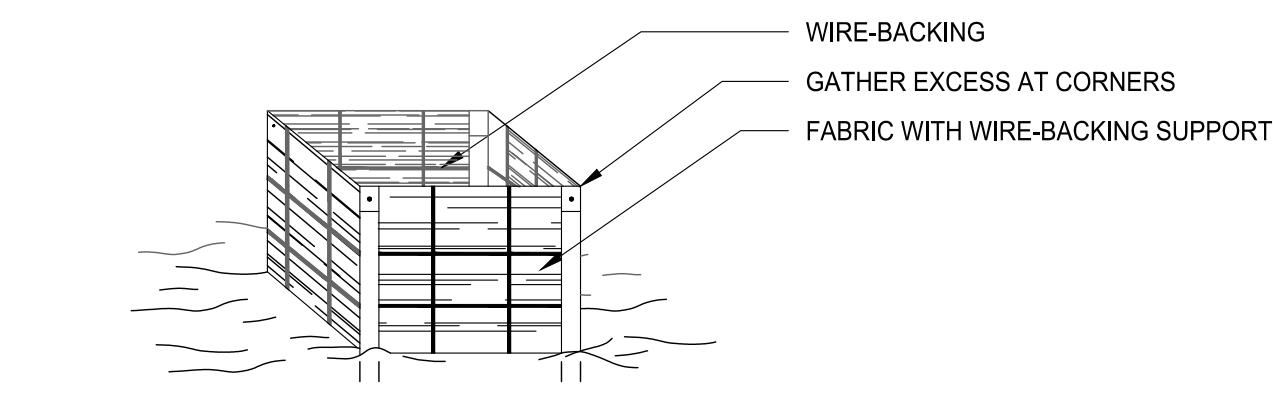
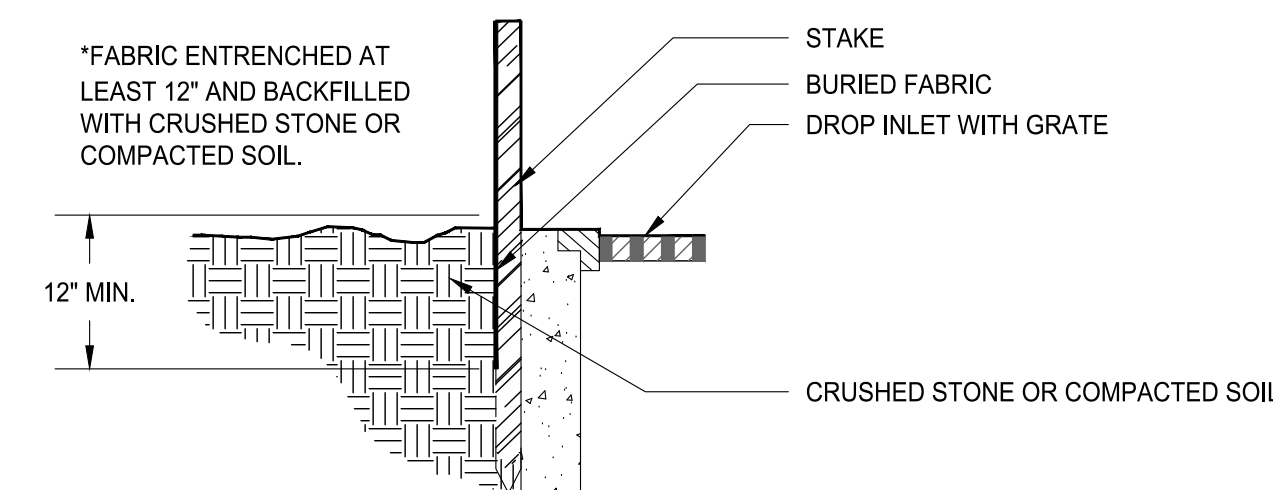
- NOTES
1. EXCAVATE 10'x20' PIT TO A MINIMUM 1' DEEP
 2. PROVIDE SILT FENCE ALONG SURFACE DOWNGRADE
 3. WASH OUT AREA FOR CHUTES, TOOLS, HOPPERS AND WHEELS ONLY. DISCHARGE OF EXCESS CONCRETE FROM DRUM IS NOT ALLOWED ON SITE PER NPDES REQUIREMENTS.
 4. A SEPARATE ROLL-OFF CONTAINER MAY BE USED FOR CONCRETE WASH OUT, AS APPLICABLE.
 5. THIS AREA IS NOT FOR FUEL STORAGE OR FOR REFUELING TRUCKS.
 6. CONTRACTOR IS RESPONSIBLE TO NOTE WHERE THEY MAY BE PERFORMING RE-FUELING ACTIVITIES. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT CORRECT BMP'S ARE IN PLACE IN ANY AREA THAT RE-FUELING OCCURS.

Sd2-F FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND SILT FENCE INSTALLATION



- NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.



ESPC SITE DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

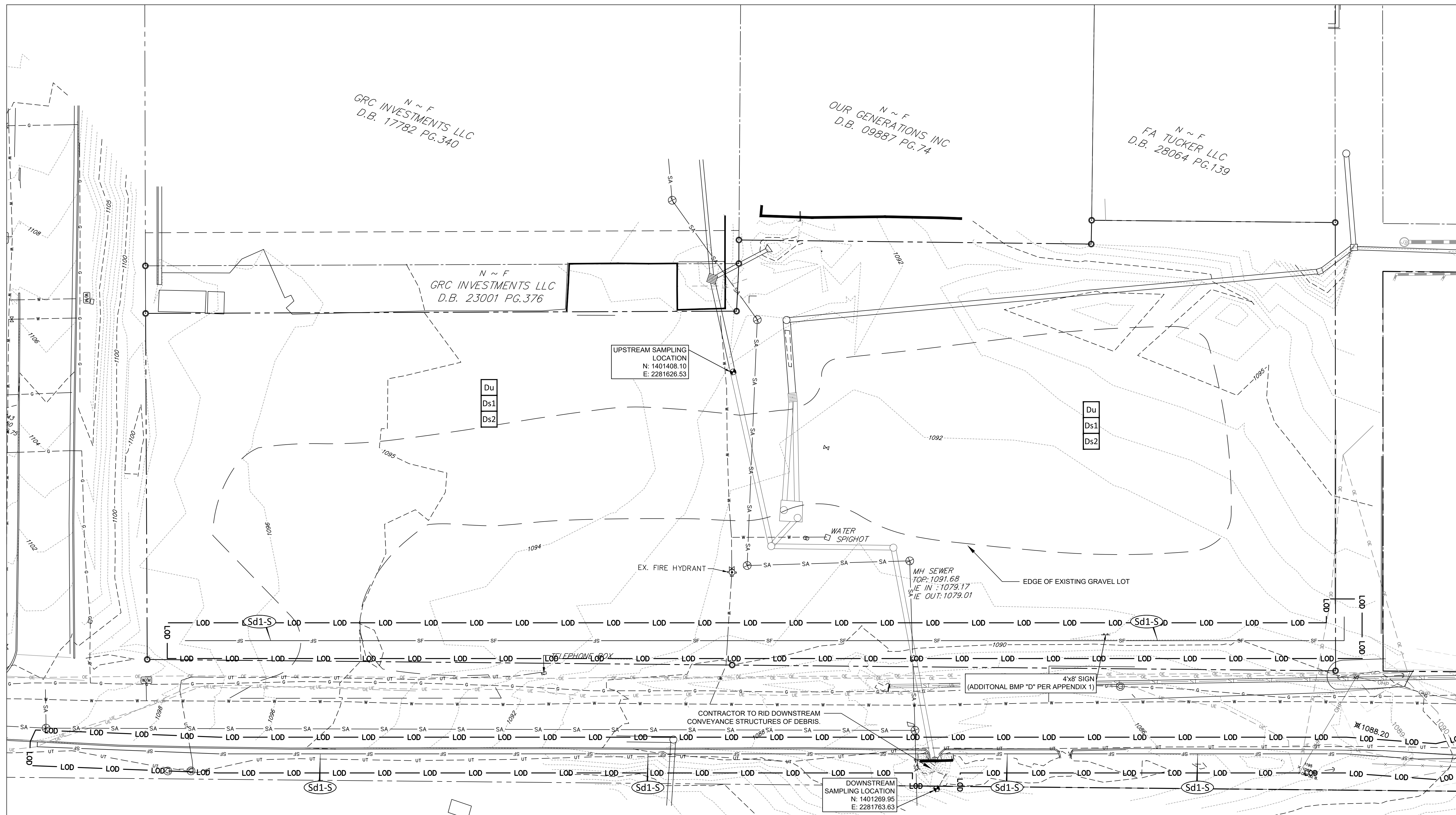
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PROJ. NO. : 3808805

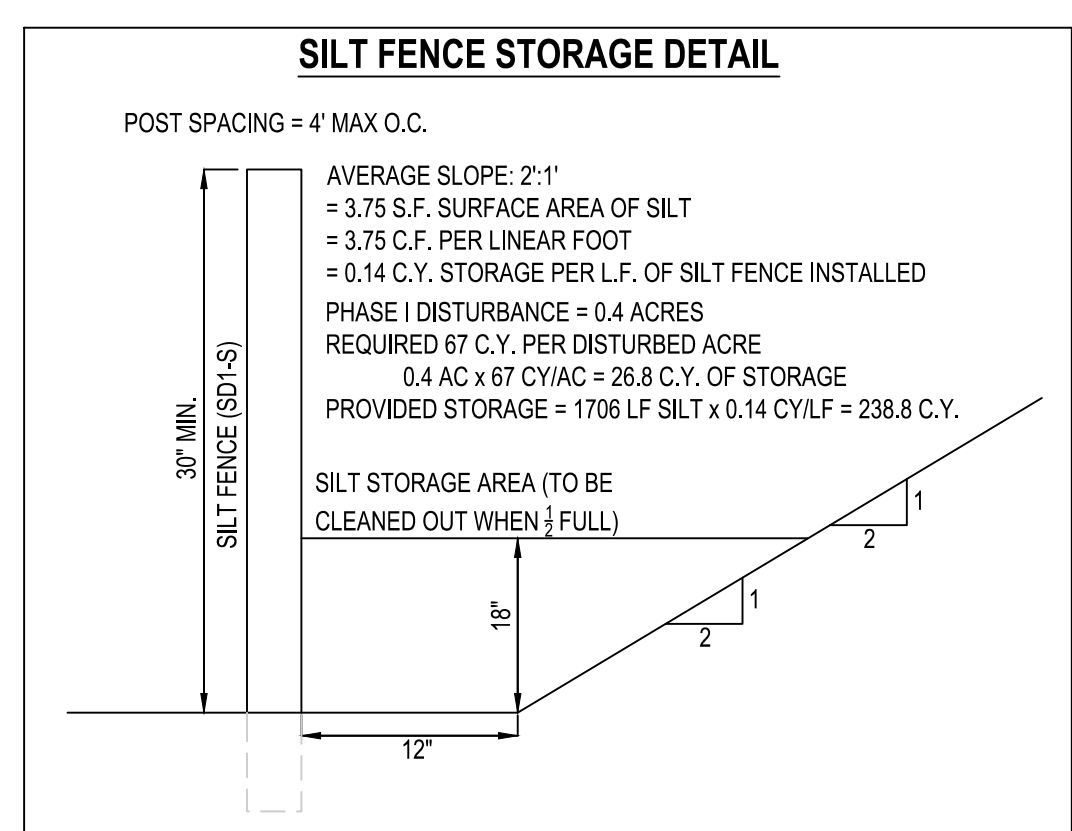


ESPSC PHASE I
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



EROSION PLAN LEGEND	
CONSTRUCTION EXIT	Co
FILTER RING	Fr
TEMPORARY SEDIMENT TRAP	Sd2
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds4
DUST CONTROL ON DISTURBED AREAS	Du

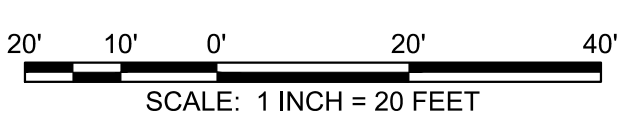
Ds1/Ds2
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING.



EROSION CONTROL NOTES:
1. CONTRACTOR TO PERFORM TEST PITS TO CHECK SUBSURFACE CONDITIONS. REFER TO GEOTECHNICAL REPORT PERFORMED BY UNITED CONSULTING.
2. CONTRACTOR SHALL COORDINATE CONCRETE WASHOUT LOCATION WITH INSPECTOR AT PRE-CONSTRUCTION MEETING AND MARKED ON PLANS.

- ADDITIONAL BMP'S PER APPENDIX 1**
- 4'x8' SIGN (ADDITIONAL BMP "D" PER APPENDIX 1)
 - SOIL TESTS ARE TO BE CONDUCTED TO IDENTIFY AND IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. (ADDITIONAL BMP "P" PER APPENDIX 1)
 - THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE (ADDITIONAL BMP "U" PER APPENDIX 1)
 - POST CONSTRUCTION BMP'S TO BE INSTALLED WHICH REMOVE 80% TSS AS OUTLINED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL KNOWN AS THE BLUE BOOK OR AN EQUIVALENT OR MORE STRINGENT DESIGN MANUAL (ADDITIONAL BMP "V" PER APPENDIX 1)

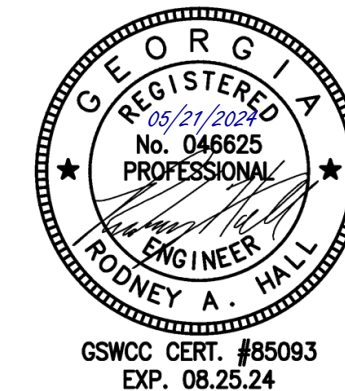
PHASE I TOTAL DISTURBED AREA = 0.4 ACRES
PHASE II, III TOTAL DISTURBED AREA = 2.9 ACRES



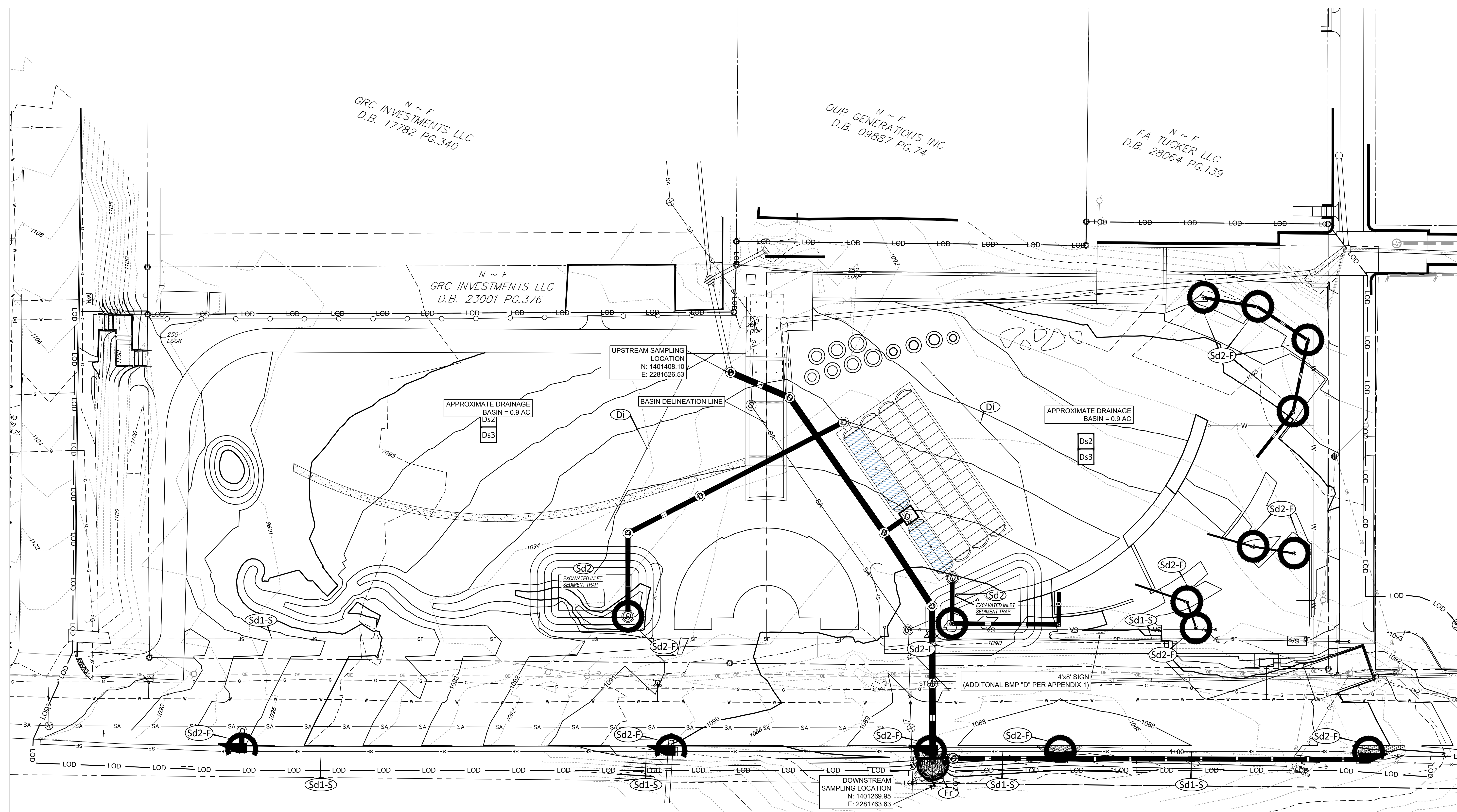
REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

EC1.11

PROJ. NO. : 3808805



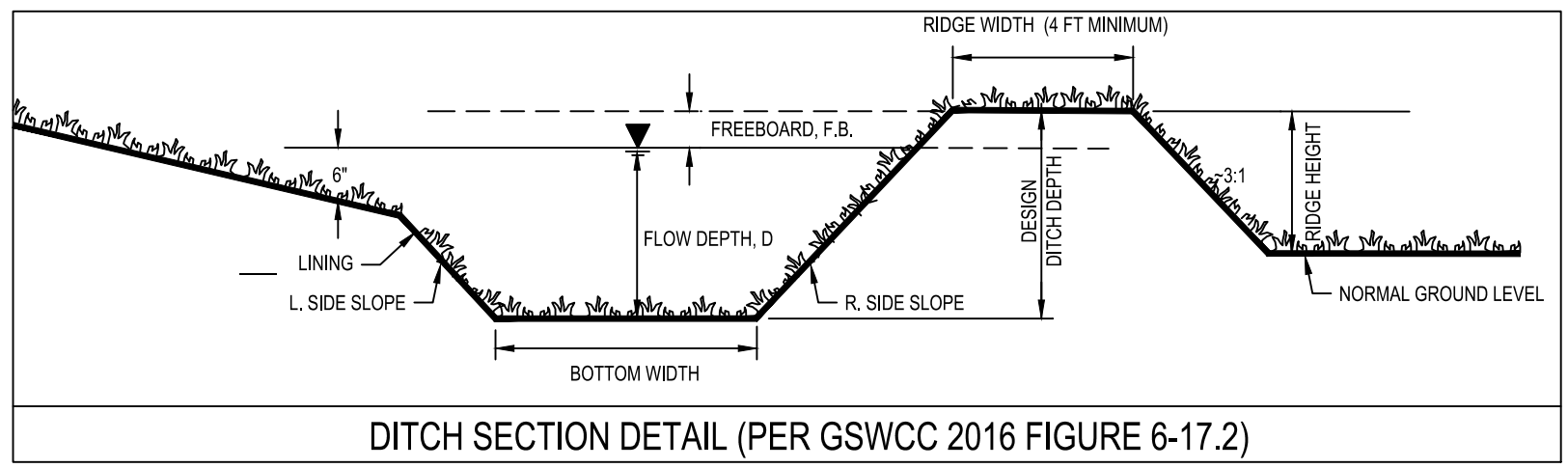
ESPCP PHASE II
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



EROSION PLAN LEGEND	
CONSTRUCTION EXIT	(Co)
FILTER RING	(Fr)
TEMPORARY SEDIMENT TRAP	(Sd2)
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	(Ds1)
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	(Ds2)
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	(Ds3)
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	(Ds4)
DUST CONTROL ON DISTURBED AREAS	(Du)

SD2 - EXCAVATED INLET SEDIMENT TRAP STORAGE SIZING

- TOTAL DRAINAGE AREA = 1.0 AC.
- REQUIRED SEDIMENT STORAGE = 67 CY / AC * DRAINAGE AREA
 REQUIRED SEDIMENT STORAGE = 67 CY / AC * 1.0 AC. = 67 C.Y.
 REQUIRED SEDIMENT STORAGE = 67 C.Y. = 1,809 C.F.
- EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 4 FT
- ASSUME SIDE SLOPES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
- DETERMINE REQUIRED SURFACE AREA
 $S_{Amin} = \text{REQUIRED SEDIMENT STORAGE} / \text{EXCAVATION DEPTH}$
 $S_{Amin} = 1,809 \text{ CF} / 4 \text{ FT}$
 $S_{Amin} = 452 \text{ SF}$
- ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED)
 SHAPE = RECTANGULAR OR TRAPEZOIDAL
 DIMENSIONS = L = 31 FT, W = 15 FT
- PROVIDED SEDIMENT STORAGE = 1,860 C.F. = 69 C.Y. PROVIDED



NOTE:
 ANY SLOPES GREATER THAN S (MAX) WILL REQUIRE CH2 - RIPRAP LINING

TYPICAL DI DESIGN:
 AREA = 1.00 ACRES
 C = 0.70
 $T_c = 10.0 \text{ MIN.}$
 $Q (50\text{-YEAR}) = 5.50 \text{ CFS}$

S (MIN) = 0.5%
 D = 0.68 FT
 V = 2.10 FTS
 F.B. = 0.32 FT

S (MAX) = 6.0%
 D = 0.35 FT
 V = 4.91 FTS
 F.B. = 0.65 FT

DESIGN DITCH DEPTH = 1.00 FT
 BOTTOM WIDTH = 2.50 FT
 SIDE SLOPE (R/L) = 2:1, 2:1

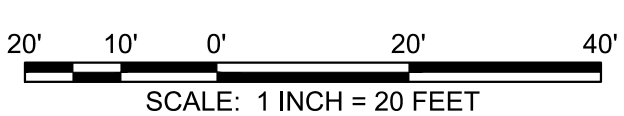
ARMAMENT TYPE:
 CH1 - VEGETATIVE LINING

- ADDITIONAL BMP'S PER APPENDIX 1**
- 4'x8' SIGN (ADDITIONAL BMP "D" PER APPENDIX 1)
 - SOIL TESTS ARE TO BE CONDUCTED TO IDENTIFY AND IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. (ADDITIONAL BMP "P" PER APPENDIX 1)
 - THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE (ADDITIONAL BMP "U" PER APPENDIX 1)
 - POST CONSTRUCTION BMPs TO BE INSTALLED WHICH REMOVE 80% TSS AS OUTLINED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL KNOWN AS THE BLUE BOOK OR AN EQUIVALENT OR MORE STRINGENT DESIGN MANUAL (ADDITIONAL BMP "V" PER APPENDIX 1)

Ds1/Ds2
 ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING.

EROSION CONTROL NOTES:
 1. SD2 EXCAVATED INLET SEDIMENT TRAP CAN BE REMOVED ONCE UPSTREAM AREAS HAVE BEEN STABILIZED WITH VEGETATION.

PHASE I TOTAL DISTURBED AREA = 0.4 ACRES
PHASE II, III TOTAL DISTURBED AREA = 2.9 ACRES



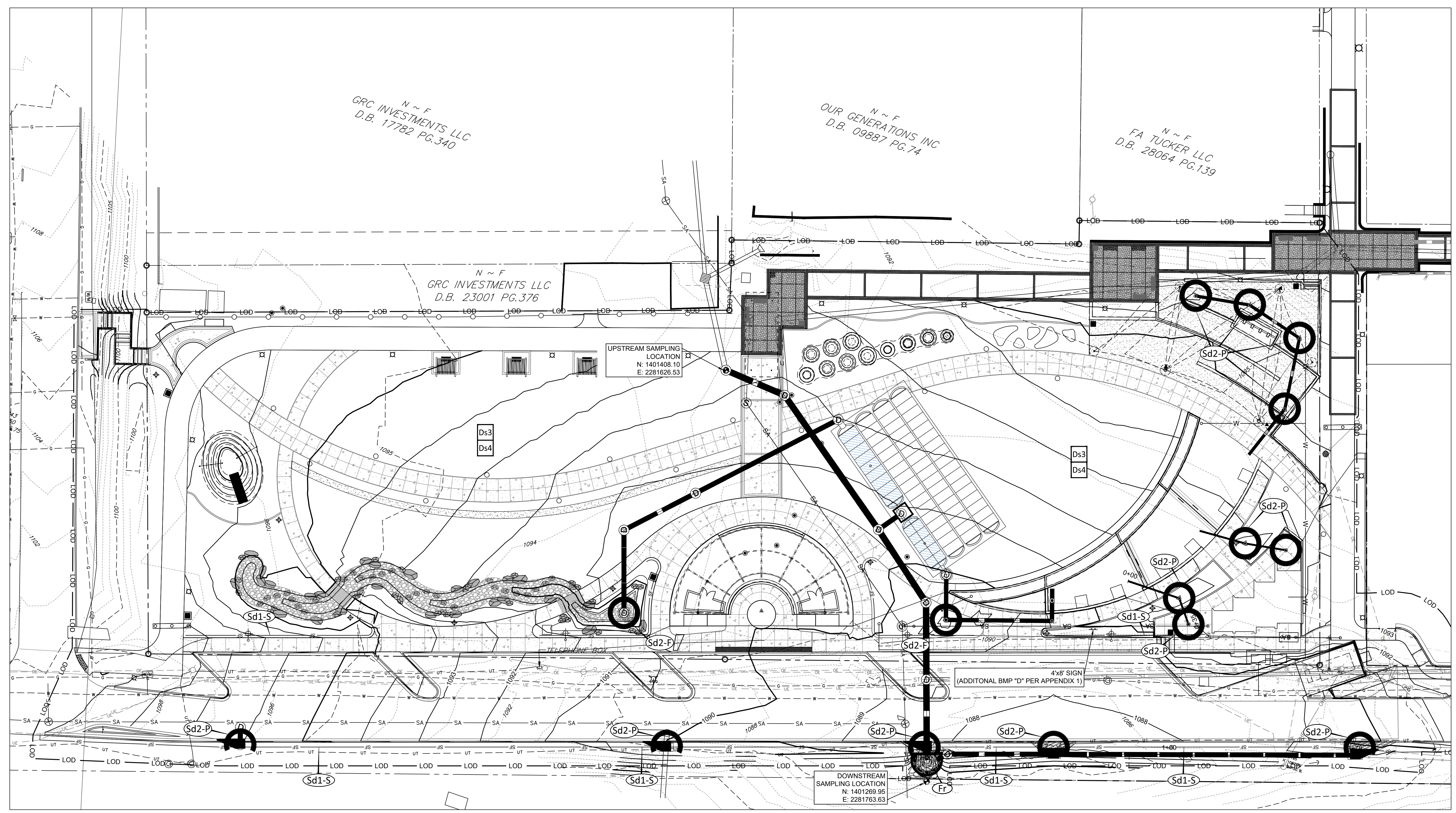
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PROJ. NO. : 3808805



ESPCC PHASE III
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



EROSION PLAN LEGEND	
CONSTRUCTION EXIT	(Co)
FILTER RING	(Fr)
TEMPORARY SEDIMENT TRAP	(Sd2)
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	(Ds1)
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	(Ds2)
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	(Ds3)
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	(Ds4)
DUST CONTROL ON DISTURBED AREAS	(Du)

Ds1/Ds2
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING.

- ADDITIONAL BMP'S PER APPENDIX 1
- 4'x8' SIGN (ADDITIONAL BMP "D" PER APPENDIX 1)
 - SOIL TESTS ARE TO BE CONDUCTED TO IDENTIFY AND IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. (ADDITIONAL BMP "P" PER APPENDIX 1)
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 - POST CONSTRUCTION BMP'S TO BE INSTALLED WHICH REMOVE 80% TSS AS OUTLINED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL KNOWN AS THE BLUE BOOK OR AN EQUIVALENT OR MORE STRINGENT DESIGN MANUAL (ADDITIONAL BMP "V" PER APPENDIX 1)

PHASE I TOTAL DISTURBED AREA = 0.4 ACRES
PHASE II, III TOTAL DISTURBED AREA = 2.9 ACRES



SCALE: 1 INCH = 20 FEET

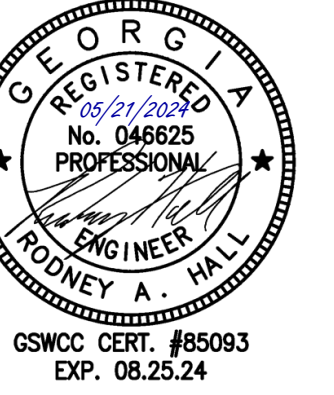
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PLOTTED:5/6/2024

REVISION INFORMATION

REV.	OR.	CHK.	DATE	DESCRIPTION
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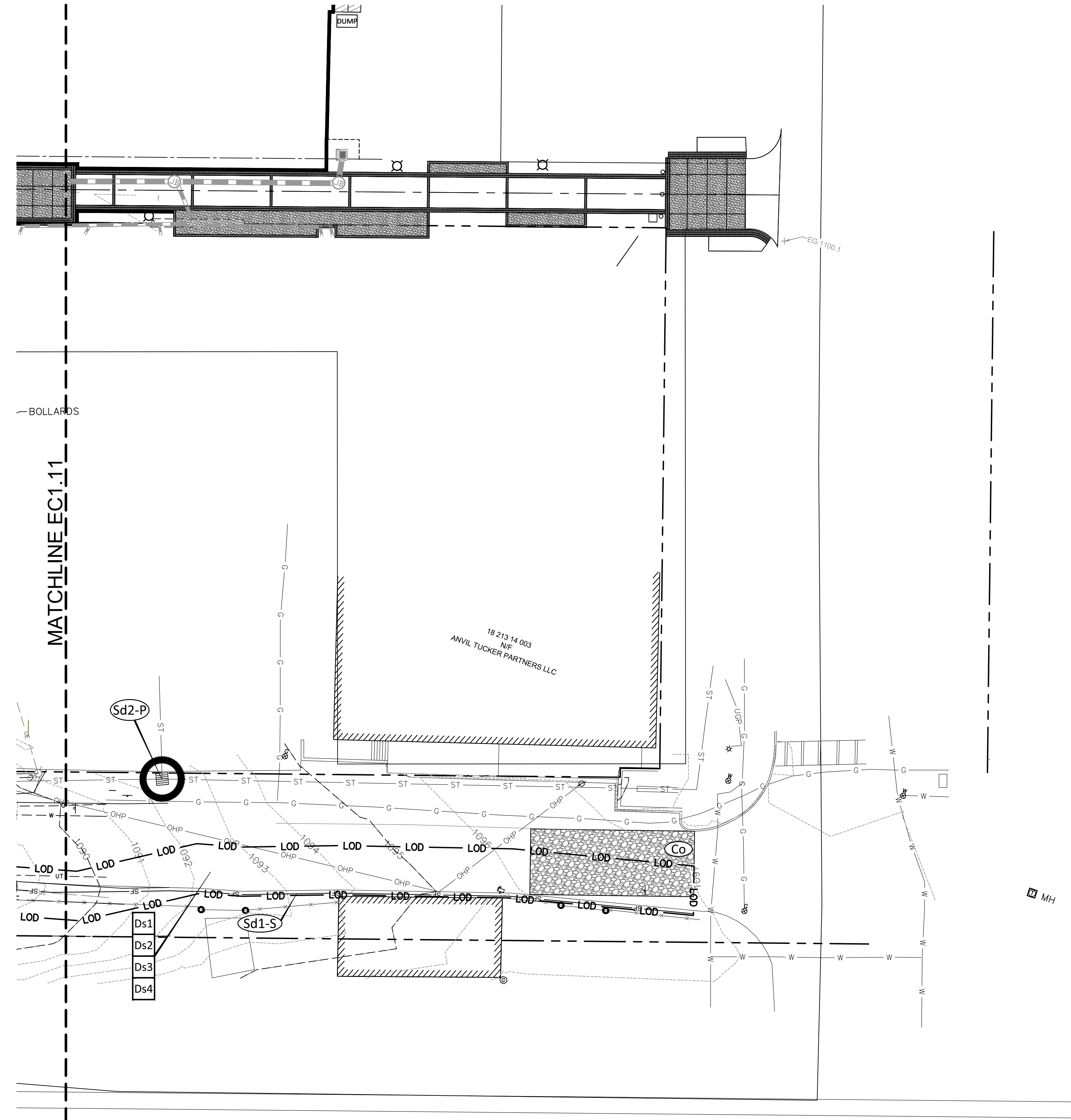
PROJ. NO. : 3808805



ESPSC PHASE I
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

EROSION PLAN LEGEND	
CONSTRUCTION EXIT	Co
FILTER RING	Fr
SEDIMENT BARRIER (SENSITIVE)	Sd1-S
TEMPORARY SEDIMENT TRAP	Sd2
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds4
DUST CONTROL ON DISTURBED AREAS	Du

Ds1/Ds2
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING.



- ADDITIONAL BMP'S PER APPENDIX 1**
- 4'x8' SIGN (ADDITIONAL BMP "D" PER APPENDIX 1)
 - SOIL TESTS ARE TO BE CONDUCTED TO IDENTIFY AND IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. (ADDITIONAL BMP "P" PER APPENDIX 1)
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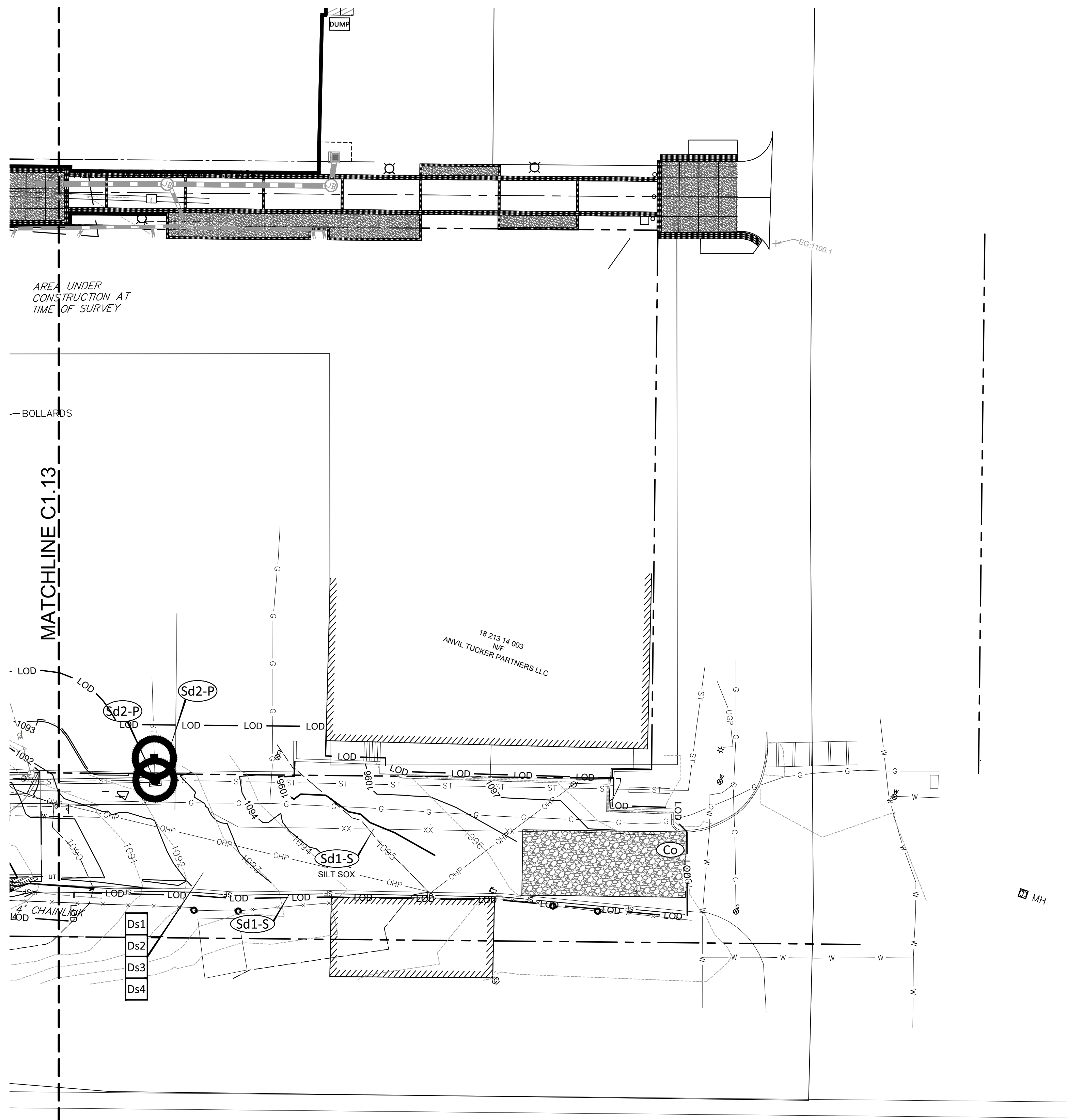
PHASE I TOTAL DISTURBED AREA = 0.4 ACRES
PHASE II, III TOTAL DISTURBED AREA = 2.9 ACRES

REV.	OR.	CHK.	DATE	DESCRIPTION
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PROJ. NO. : 3808805

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 FILE:38088008080004_CADD\PL\LOT\3808800_EC1.14 - ESPC Plan.dwg
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 PLOTTED:5/6/2024



EROSION PLAN LEGEND	
CONSTRUCTION EXIT	Co
FILTER RING	Fr
SEDIMENT BARRIER (SENSITIVE)	Sd1-S
TEMPORARY SEDIMENT TRAP	Sd2
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds4
DUST CONTROL ON DISTURBED AREAS	Du

Ds1/Ds2
 ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING.

- ADDITIONAL BMP'S PER APPENDIX 1**
- 4x8' SIGN (ADDITIONAL BMP "D" PER APPENDIX 1)
 - SOIL TESTS ARE TO BE CONDUCTED TO IDENTIFY AND IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. (ADDITIONAL BMP "P" PER APPENDIX 1)
 - THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE (ADDITIONAL BMP "U" PER APPENDIX 1)
 - POST CONSTRUCTION BMP'S TO BE INSTALLED WHICH REMOVE 80% TSS AS OUTLINED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL KNOWN AS THE BLUE BOOK OR AN EQUIVALENT OR MORE STRINGENT DESIGN MANUAL (ADDITIONAL BMP "V" PER APPENDIX 1)

PHASE I TOTAL DISTURBED AREA = 0.4 ACRES
 PHASE II, III TOTAL DISTURBED AREA = 2.9 ACRES

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SCALE: 1 INCH = 20 FEET

20' 10' 0' 20' 40'

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 PHONE (770) 628-7531 / FAX (770) 865-0903



ESPC PHASE II
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

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0	RAH	RAH	05/21/2024	ISSUED FOR BID

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 PROJ. NO. : 3808805

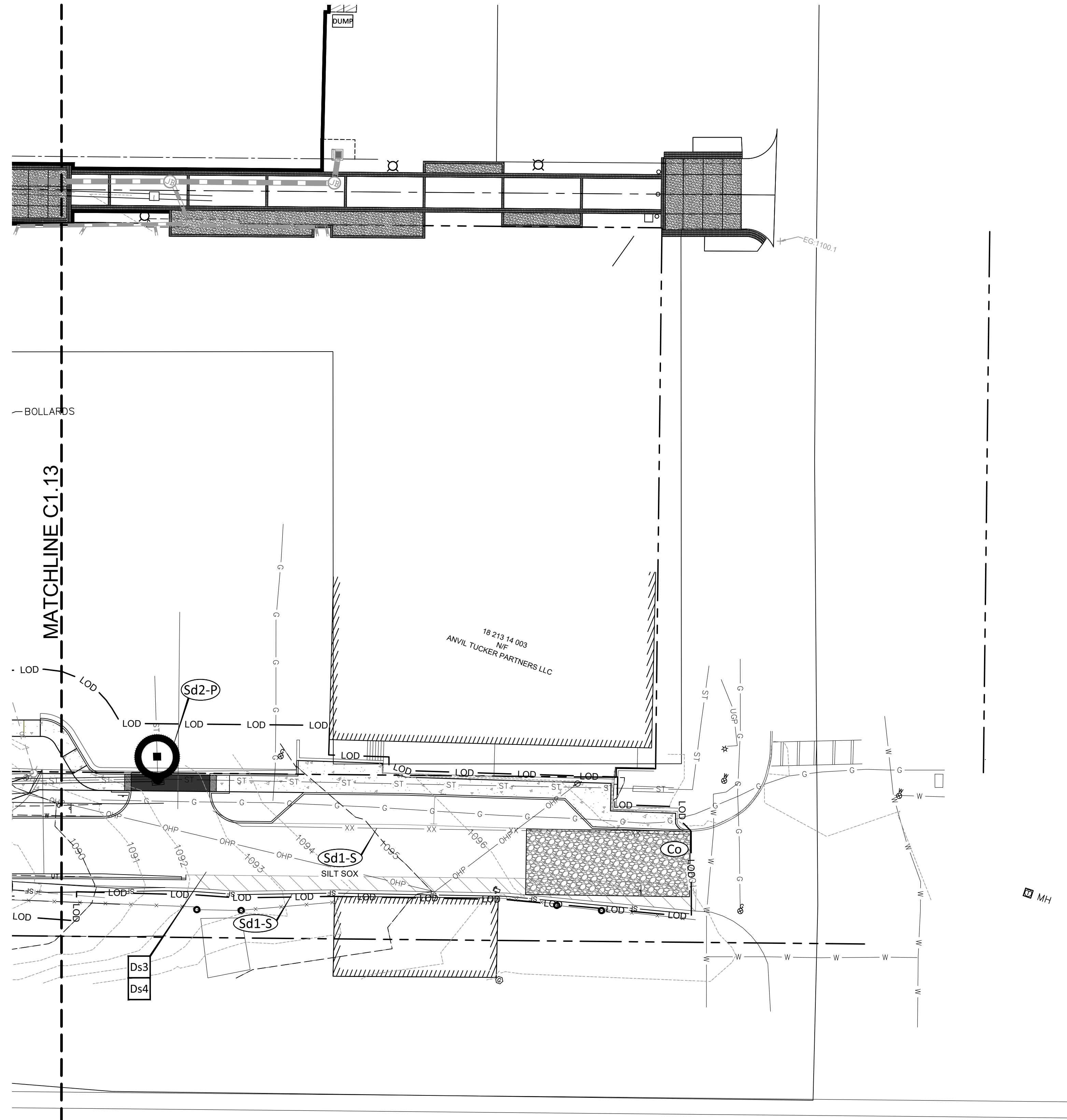


GSMCC CERT. #85093
EXP. 08.25.24

ESPC PHASE III
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

EROSION PLAN LEGEND	
CONSTRUCTION EXIT	Co
FILTER RING	Fr
SEDIMENT BARRIER (SENSITIVE)	Sd1-S
TEMPORARY SEDIMENT TRAP	Sd2
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds4
DUST CONTROL ON DISTURBED AREAS	Du

Ds1/Ds2
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING.



- ADDITIONAL BMP'S PER APPENDIX 1**
- 4x8' SIGN (ADDITIONAL BMP "D" PER APPENDIX 1)
 - SOIL TESTS ARE TO BE CONDUCTED TO IDENTIFY AND IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. (ADDITIONAL BMP "P" PER APPENDIX 1)
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 - POST CONSTRUCTION BMP'S TO BE INSTALLED WHICH REMOVE 80% TSS AS OUTLINED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL KNOWN AS THE BLUE BOOK OR AN EQUIVALENT OR MORE STRINGENT DESIGN MANUAL (ADDITIONAL BMP "V" PER APPENDIX 1)

PHASE I TOTAL DISTURBED AREA = 0.4 ACRES
PHASE II, III TOTAL DISTURBED AREA = 2.9 ACRES



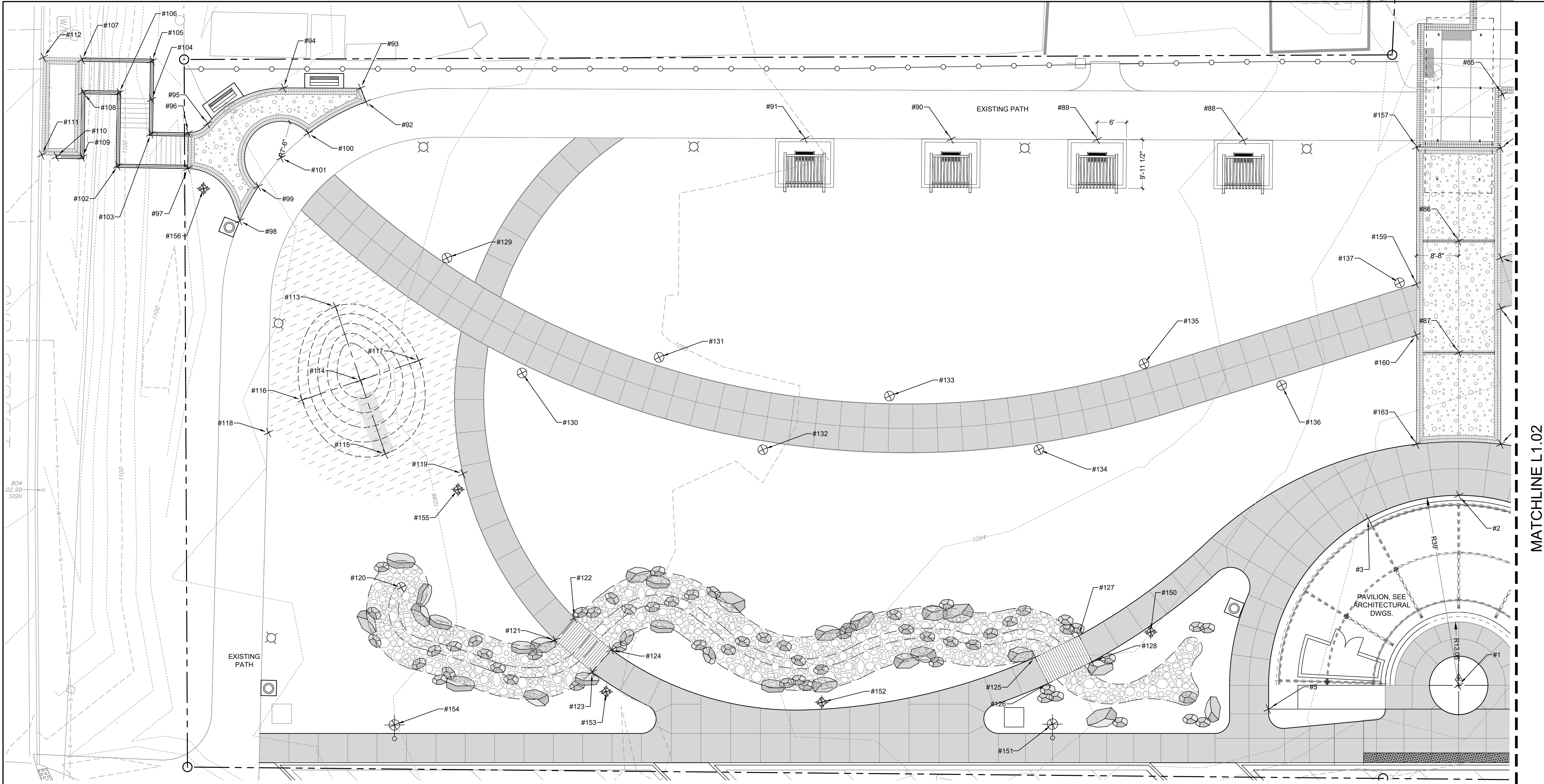
REV.	OR	CHK.	DATE	DESCRIPTION
0	RAH	RAH	05/21/2024	ISSUED FOR BID

EC1.16

PROJ. NO. : 3808805



HARDSCAPE LAYOUT PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



MATCHLINE L1.02

Point #	Raw Description	Northing	Easting
1	Pavilion Bench Mark	1401314.5787	2281674.2721
2	Pavilion Stair	1401351.5042	2281661.7307
3	Pavilion Stair	1401341.0590	2281645.6261
4	Pavilion Stair	1401353.0009	2281680.8624
5	Pavilion Edge	1401297.3969	2281636.8541
6	Pavilion Edge	1401322.5059	2281712.7746
7	Restroom Post	1401363.2700	2281839.0122
8	Restroom Wall	1401384.7712	2281893.1831
9	Restroom Wall	1401417.9504	2281881.7526
10	Restroom Wall	1401420.9080	2281873.0874
11	Restroom Wall	1401368.8671	2281858.7614
13	Restroom Wall	1401395.1674	2281868.6619
14	Restroom Wall	1401374.6028	2281875.6472
15	Restroom Wall	1401401.4325	2281864.5888
16	Restroom Wall	1401392.9352	2281859.1895
17	Restroom Wall	1401366.5623	2281832.9901
18	Restroom Wall	1401359.2638	2281835.4716
19	Restroom Wall	1401362.0507	2281843.6761
20	Restroom Wall	1401352.8404	2281837.2996
21	Restroom Wall	1401363.9020	2281869.8649

Point #	Raw Description	Northing	Easting
22	Light	1401346.0434	2281791.8284
23	Curbing	1401347.8095	2281790.7151
24	Restroom Wall	1401398.3789	2281848.7600
25	Restroom Wall	1401406.5157	2281852.6012
26	Restroom Wall	1401442.4401	2281860.8015
28	Restroom Wall	1401408.9529	2281846.2130
29	Restroom Wall	1401401.7621	2281842.8184
30	Restroom Wall	1401376.9376	2281824.4510
31	Restroom Wall	1401371.5885	2281818.5674
32	Restroom Wall	1401354.5467	2281788.9952
33	Lawn Water Feature	1401348.3821	2281858.1385
34	Lawn Water Feature	1401349.5160	2281747.2178
35	Lawn Water Feature	1401353.4264	2281769.0341
36	Lawn Water Feature	1401360.6668	2281780.6594
37	Lawn Water Feature	1401368.9412	2281783.4486
38	Lawn Water Feature	1401364.1123	2281785.1893
39	Lawn Water Feature	1401395.9989	2281806.1383
40	Lawn Water Feature	1401392.4243	2281809.6594
41	Lawn Water Feature	1401420.0213	2281820.9558
42	Lawn Water Feature	1401421.9351	2281816.4425

Point #	Raw Description	Northing	Easting
43	Lawn Water Feature	1401453.3476	2281823.7513
44	Lawn Water Feature	1401454.1077	2281818.8306
45	Tree Planter	1401436.4539	2281850.1993
46	Tree Planter	1401420.7377	2281847.0940
47	Tree Planter	1401400.8617	2281838.7241
48	Tree Planter	1401387.5052	2281829.7594
49	Tree Planter	1401372.4552	2281814.6725
50	NE Plaza	1401442.6559	2281883.1950
51	NE Plaza	1401456.2224	2281855.0080
52	NE Plaza	1401475.5839	2281815.4337
53	NE Plaza	1401466.1643	2281858.6425
54	NE Plaza	1401486.5904	2281866.1100
55	Plaza Water Feature	1401493.4123	2281843.4968
56	Plaza Water Feature	1401499.4827	2281844.6261
57	Plaza Water Feature	1401503.0186	2281825.7850
58	Tree Planter	1401363.5794	2281801.4499
59	Plaza Water Feature	1401496.9482	2281824.6458
60	Plaza Water Feature	1401494.9777	2281824.2760
61	Plaza Water Feature	1401491.4418	2281843.1170
62	NE Plaza	1401498.7854	2281801.5470

Point #	Raw Description	Northing	Easting
63	NE Plaza	1401479.9644	2281850.6573
64	NE Plaza	1401487.6057	2281793.2105
65	Restroom Wall	1401494.3856	2281790.9652
66	Restroom Wall	1401478.9060	2281766.4590
67	Restroom Wall	1401485.5391	2281764.2520
68	Restroom Wall	1401507.1687	2281798.9755
69	Restroom Wall	1401522.9079	2281846.5388
70	Restroom Wall	1401519.6755	2281847.6093
71	Restroom Wall	1401525.7979	2281853.3731
72	Shade Sail Post	1401516.6135	2281838.4312
73	Shade Sail Post	1401503.8598	2281797.9405
74	Shade Sail Post	1401491.4572	2281861.6413
75	Shade Sail Post	1401466.1428	2281772.2648
76	Shade Sail Post	1401468.3028	2281803.5405
77	Shade Sail Post	1401460.5199	2281848.1313
78	Curb Edge	1401475.4836	2281766.9675
79	Curb Edge	1401462.3863	2281724.5109
80	Curb Edge	1401461.2007	2281716.4665
81	Curb Edge	1401455.6838	2281698.6676
82	Curb Edge	1401447.3601	2281672.9072

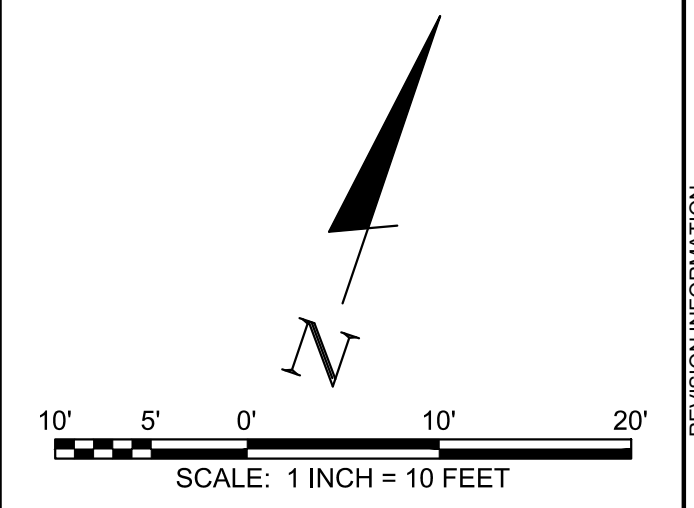
Point #	Raw Description	Northing	Easting
83	Curb Edge	1401439.1010	2281658.5741
84	Curb Edge	1401435.5617	2281653.7261
85	Curb Edge	1401432.2977	2281643.8006
86	Path Center Pt	1401400.9185	2281644.9459
87	Path Center Pt	1401379.2314	2281652.3124
88	Bench Swing	1401406.3009	2281596.4944
89	Bench Swing	1401396.7776	2281568.0462
90	Bench Swing	1401387.2311	2281539.6057
91	Bench Swing	1401377.6845	2281511.1652
92	NW Entrance	1401355.8628	2281423.4995
93	NW Entrance	1401358.1552	2281421.5603
94	NW Entrance	1401353.1201	2281406.5601
95	NW Entrance	1401341.1324	2281394.1793
96	NW Entrance	1401338.1157	2281391.0238
97	NW Entrance	1401331.1281	2281393.2709
98	NW Entrance	1401324.4226	2281406.8237
99	NW Entrance	1401332.3078	2281408.1745
100	NW Entrance	1401345.9226	2281414.3450
101	NW Entrance	1401339.3732	2281410.6905
102	NW Entrance	1401327.0584	2281379.5217

Point #	Raw Description	Northing	Easting
103	NW Entrance	1401335.4501	2281383.8294
104	NW Entrance	1401342.1568	2281381.6725
105	NW Entrance	1401349.7299	2281379.2371
106	NW Entrance	1401341.3381	2281374.9294
107	NW Entrance	1401345.3412	2281365.5904
108	NW Entrance	1401339.0779	2281367.9566
109	NW Entrance	1401326.4041	2281372.0324
110	NW Entrance	1401324.7708	2281366.9535
111	NW Entrance	1401324.1713	2281363.9950
112	NW Entrance	1401343.2109	2281357.8720
113	Spectator Berm	1401314.0576	2281431.0737
114	Spectator Berm	1401301.3859	2281440.7889
115	Spectator Berm	1401288.7143	2281450.5042
116	Spectator Berm	1401293.7000	2281430.7641
117	Spectator Berm	1401309.0719	2281450.8138
118	Spectator Berm	1401285.1675	2281426.4028
119	Spectator Berm	1401289.9849	2281466.8780
120	Dry Stream	1401263.8454	2281462.4037
121	Dry Stream	1401263.7359	2281495.7969
122	Dry Stream	1401269.3089	2281498.0423

Point #	Raw Description	Northing	Easting
123	Dry Stream	1401259.9988	2281505.0724
124	Dry Stream	1401265.5719	2281507.3177
125	Dry Stream	1401292.0966	2281590.1640
126	Dry Stream	1401287.8616	2281594.4175
127	Dry Stream	1401299.1831	2281597.2196
128	Dry Stream	1401294.9497	2281601.4715
129	Bollard Light	1401330.8573	2281449.5224
130	Bollard Light	1401313.4801	2281471.7074
131	Bollard Light	1401325.5515	2281497.2930
132	Bollard Light	1401314.4494	2281523.5386
133	Bollard Light	1401333.2268	2281544.5999
134	Bollard Light	1401332.6829	2281577.1732
135	Bollard Light	1401356.3289	2281591.9177
136	Bollard Light	1401361.2218	2281620.0756
137	Bollard Light	1401388.8910	2281636.2197
138	Bollard Light	1401394.2214	2281665.1828
139	Bollard Light	1401426.7732	2281709.5493
140	Bollard Light	1401452.2631	2281728.5267
141	Bollard Light	1401450.1349	2281761.2242
142	Bollard Light	1401436.8233	2281868.3826

Point #	Raw Description	Northing	Easting
143	Bollard Light	1401423.8080	2281889.6653
144	Light	1401408.2792	2281855.6768
145	Light	1401370.6257	2281830.8854
146	Light	1401354.6509	2281817.8482
147	Light	1401326.4572	2281735.8286
148	Light	1401341.5726	2281746.2677
149	Light	1401350.5362	2281710.9747
150	Light	1401304.6160	2281610.9207
151	Light	1401280.2344	2281597.9251
152	Light	1401269.2635	2281551.6628
153	Light	1401257.0747	2281509.0863
154	Light	1401236.6542	2281470.1470
155	Light	1401286.6140	2281466.9645
156	Light	1401328.2603	2281397.6551
157	Path Intersection	1401416.3951	2281630.5539
158	Path Intersection	1401421.7995	2281646.9881
159	Path Intersection	1401389.7780	2281639.5951
160	Path Intersection	1401379.8243	2281642.9241
161	Path Intersection	1401400.4239	2281654.2488
162	Path Intersection	1401390.6788	2281657.5590

Point #	Raw Description	Northing	Easting
163	Path Intersection	1401358.6639	2281650.1637
164	Path Intersection	1401364.2278	2281666.5438



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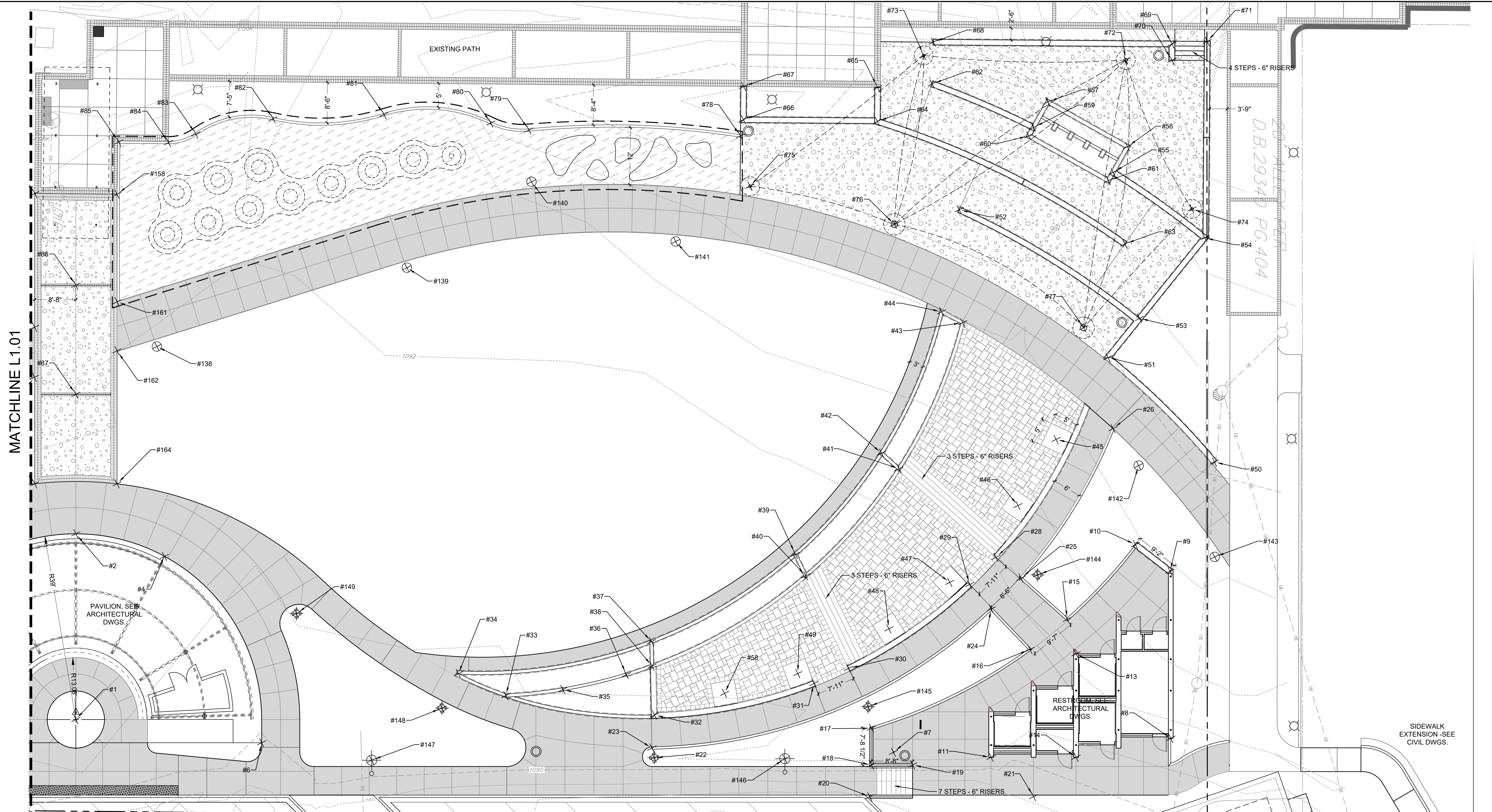
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SAVED:05/20/24
PLOTTED:05/20/24



HARDSCAPE LAYOUT PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



MATCHLINE L1.01

Point #	Raw Description	Northing	Eastings
1	Pavilion Bench Mark	1401314.5787	2281674.2721
2	Pavilion Stair	1401351.5042	2281661.7307
3	Pavilion Stair	1401341.0590	2281645.6261
4	Pavilion Stair	1401353.0009	2281680.8624
5	Pavilion Edge	1401297.3969	2281638.8541
6	Pavilion Edge	1401322.5059	2281712.7746
7	Restroom Post	1401363.2700	2281839.0122
8	Restroom Wall	1401384.7712	2281893.1831
9	Restroom Wall	1401417.9504	2281881.7526
10	Restroom Wall	1401420.9080	2281873.0874
11	Restroom Wall	1401368.8671	2281858.7614
13	Restroom Wall	1401395.1674	2281868.6619
14	Restroom Wall	1401374.6028	2281875.6472
15	Restroom Wall	1401401.4325	2281864.5888
16	Restroom Wall	1401392.9352	2281859.1895
17	Restroom Wall	1401366.5623	2281832.9901
18	Restroom Wall	1401359.2638	2281835.4716
19	Restroom Wall	1401362.0507	2281843.6761
20	Restroom Wall	1401352.8404	2281837.2996
21	Restroom Wall	1401363.9020	2281869.8649

Point #	Raw Description	Northing	Eastings
22	Light	1401346.0434	2281791.8284
23	Curbing	1401347.8095	2281790.7151
24	Restroom Wall	1401398.3789	2281848.7600
25	Restroom Wall	1401406.5157	2281852.6012
26	Restroom Wall	1401442.4401	2281860.8015
28	Restroom Wall	1401408.9529	2281846.2130
29	Restroom Wall	1401401.7621	2281842.8184
30	Restroom Wall	1401376.9376	2281824.4510
31	Restroom Wall	1401371.5885	2281818.5674
32	Restroom Wall	1401354.5467	2281788.9952
33	Lawn Water Feature	1401348.3821	2281758.1385
34	Lawn Water Feature	1401349.5160	2281747.2178
35	Lawn Water Feature	1401353.4264	2281769.0341
36	Lawn Water Feature	1401360.6668	2281780.6594
37	Lawn Water Feature	1401368.9412	2281783.4486
38	Lawn Water Feature	1401364.1123	2281785.1893
39	Lawn Water Feature	1401395.9989	2281806.1383
40	Lawn Water Feature	1401392.4243	2281809.6594
41	Lawn Water Feature	1401420.0213	2281820.9558
42	Lawn Water Feature	1401421.9351	2281816.4425

Point #	Raw Description	Northing	Eastings
43	Lawn Water Feature	1401453.3476	2281823.7513
44	Lawn Water Feature	1401454.1077	2281818.8306
45	Tree Planter	1401436.4539	2281850.1993
46	Tree Planter	1401420.7377	2281847.0940
47	Tree Planter	1401400.8617	2281838.7241
48	Tree Planter	1401387.5052	2281829.7594
49	Tree Planter	1401372.4552	2281814.6725
50	NE Plaza	1401442.6559	2281883.1950
51	NE Plaza	1401456.2224	2281855.0080
52	NE Plaza	1401475.5839	2281815.4337
53	NE Plaza	1401466.1643	2281858.6425
54	NE Plaza	1401486.5904	2281866.1100
55	Plaza Water Feature	1401493.4123	2281843.4868
56	Plaza Water Feature	1401499.4827	2281844.6261
57	Plaza Water Feature	1401503.0186	2281825.7850
58	Tree Planter	1401363.5794	2281801.4489
59	Plaza Water Feature	1401496.9482	2281824.6458
60	Plaza Water Feature	1401494.9777	2281824.2760
61	Plaza Water Feature	1401491.4418	2281843.1170
62	NE Plaza	1401498.7854	2281801.5470

Point #	Raw Description	Northing	Eastings
63	NE Plaza	1401479.9644	2281850.6573
64	NE Plaza	1401487.6057	2281793.2105
65	Restroom Wall	1401494.3856	2281790.9652
66	Restroom Wall	1401478.9060	2281766.4590
67	Restroom Wall	1401485.5391	2281764.2520
68	Restroom Wall	1401507.1687	2281798.9755
69	Restroom Wall	1401522.9079	2281846.5388
70	Restroom Wall	1401519.6755	2281847.6093
71	Restroom Wall	1401525.7979	2281853.3731
72	Shade Sail Post	1401516.6135	2281838.4312
73	Shade Sail Post	1401503.8598	2281797.9405
74	Shade Sail Post	1401491.4572	2281861.6413
75	Shade Sail Post	1401466.1428	2281772.2648
76	Shade Sail Post	1401468.3028	2281803.5405
77	Shade Sail Post	1401460.5199	2281848.1313
78	Curb Edge	1401475.4836	2281766.9675
79	Curb Edge	1401462.3863	2281724.5109
80	Curb Edge	1401461.2007	2281716.4665
81	Curb Edge	1401455.6838	2281694.6676
82	Curb Edge	1401447.3601	2281672.9072

Point #	Raw Description	Northing	Eastings
83	Curb Edge	1401439.1010	2281658.5741
84	Curb Edge	1401435.5617	2281653.7261
85	Curb Edge	1401432.2977	2281643.8006
86	Path Center Pt	1401400.9185	2281644.9459
87	Path Center Pt	1401379.2314	2281652.3124
88	Bench Swing	1401406.3009	2281596.4944
89	Bench Swing	1401396.7776	2281568.0462
90	Bench Swing	1401387.2311	2281539.6057
91	Bench Swing	1401377.9845	2281511.1652
92	NW Entrance	1401355.8828	2281423.4995
93	NW Entrance	1401345.3412	2281365.5904
94	NW Entrance	1401324.1713	2281363.9950
95	NW Entrance	1401324.2109	2281357.8720
96	NW Entrance	1401338.1157	2281391.0238
97	NW Entrance	1401331.1281	2281393.2709
98	NW Entrance	1401324.4226	2281406.8237
99	NW Entrance	1401332.3078	2281408.1745
100	NW Entrance	1401345.9226	2281414.3450
101	NW Entrance	1401339.3732	2281410.6905
102	NW Entrance	1401327.0584	2281379.5217

Point #	Raw Description	Northing	Eastings
103	NW Entrance	1401335.4501	2281383.8294
104	NW Entrance	1401342.1568	2281381.6725
105	NW Entrance	1401349.7299	2281379.2371
106	NW Entrance	1401341.3381	2281374.9294
107	NW Entrance	1401345.3412	2281365.5904
108	NW Entrance	1401339.0779	2281367.9566
109	NW Entrance	1401328.4041	2281372.0324
110	NW Entrance	1401324.7708	2281366.9535
111	NW Entrance	1401324.1713	2281363.9950
112	NW Entrance	1401324.2109	2281357.8720
113	Spectator Berm	1401314.0576	2281431.0737
114	Spectator Berm	1401301.3859	2281440.7889
115	Spectator Berm	1401288.7143	2281450.5042
116	Spectator Berm	1401293.7000	2281430.7641
117	Spectator Berm	1401309.0719	2281450.8138
118	Spectator Berm	1401285.1675	2281426.4028
119	Spectator Berm	1401289.9849	2281466.8780
120	Dry Stream	1401263.8454	2281462.4037
121	Dry Stream	1401263.3359	2281495.7969
122	Dry Stream	1401269.3089	2281498.0423

Point #	Raw Description	Northing	Eastings
123	Dry Stream	1401259.9988	2281505.0724
124	Dry Stream	1401265.5719	2281507.3177
125	Dry Stream	1401292.0966	2281590.1640
126	Dry Stream	1401287.8616	2281594.4175
127	Dry Stream	1401299.1831	2281597.2196
128	Dry Stream	1401294.9497	2281601.4715
129	Bollard Light	1401330.8573	2281449.5224
130	Bollard Light	1401313.4801	2281471.7074
131	Bollard Light	1401325.5515	2281497.2930
132	Bollard Light	1401314.4494	2281523.5386
133	Bollard Light	1401333.2268	2281544.5999
134	Bollard Light	1401332.6820	2281577.1732
135	Bollard Light	1401356.3289	2281591.9177
136	Bollard Light	1401361.2218	2281620.0756
137	Bollard Light	1401388.8910	2281636.2197
138	Bollard Light	1401394.2214	2281665.1828
139	Bollard Light	1401426.7732	2281709.5493
140	Bollard Light	1401452.2631	2281728.5267
141	Bollard Light	1401450.1349	2281761.2242
142	Bollard Light	1401436.8233	2281868.3826

Point #	Raw Description	Northing	Eastings
143	Bollard Light	1401423.8080	2281889.6653
144	Light	1401408.2792	2281855.6768
145	Light	1401370.6257	2281830.8854
146	Light	1401354.6509	2281817.8482
147	Light	1401326.4572	2281735.8286
148	Light	1401341.5726	2281746.2677
149	Light	1401350.5362	2281710.9747
150	Light	1401304.6160	2281610.9207
151	Light	1401280.2344	2281597.9251
152	Light	1401269.2635	2281551.6628
153	Light	1401257.0747	2281509.0863
154	Light	1401236.6542	2281470.1470
155	Light	1401286.6140	2281466.9645
156	Light	1401328.2603	2281397.6551
157	Path Intersection	1401416.3951	2281630.5539
158	Path Intersection	1401421.7995	2281646.9881
159	Path Intersection	1401389.7780	2281639.5951
160	Path Intersection	1401379.8243	2281642.9241
161	Path Intersection	1401400.4239	2281654.2488
162	Path Intersection	1401390.6788	2281657.5590

Point #	Raw Description	Northing	Eastings
163	Path Intersection	1401358.6639	2281650.1637
164	Path Intersection	1401364.2278	2281666.5438

Scale: 1" = 10'

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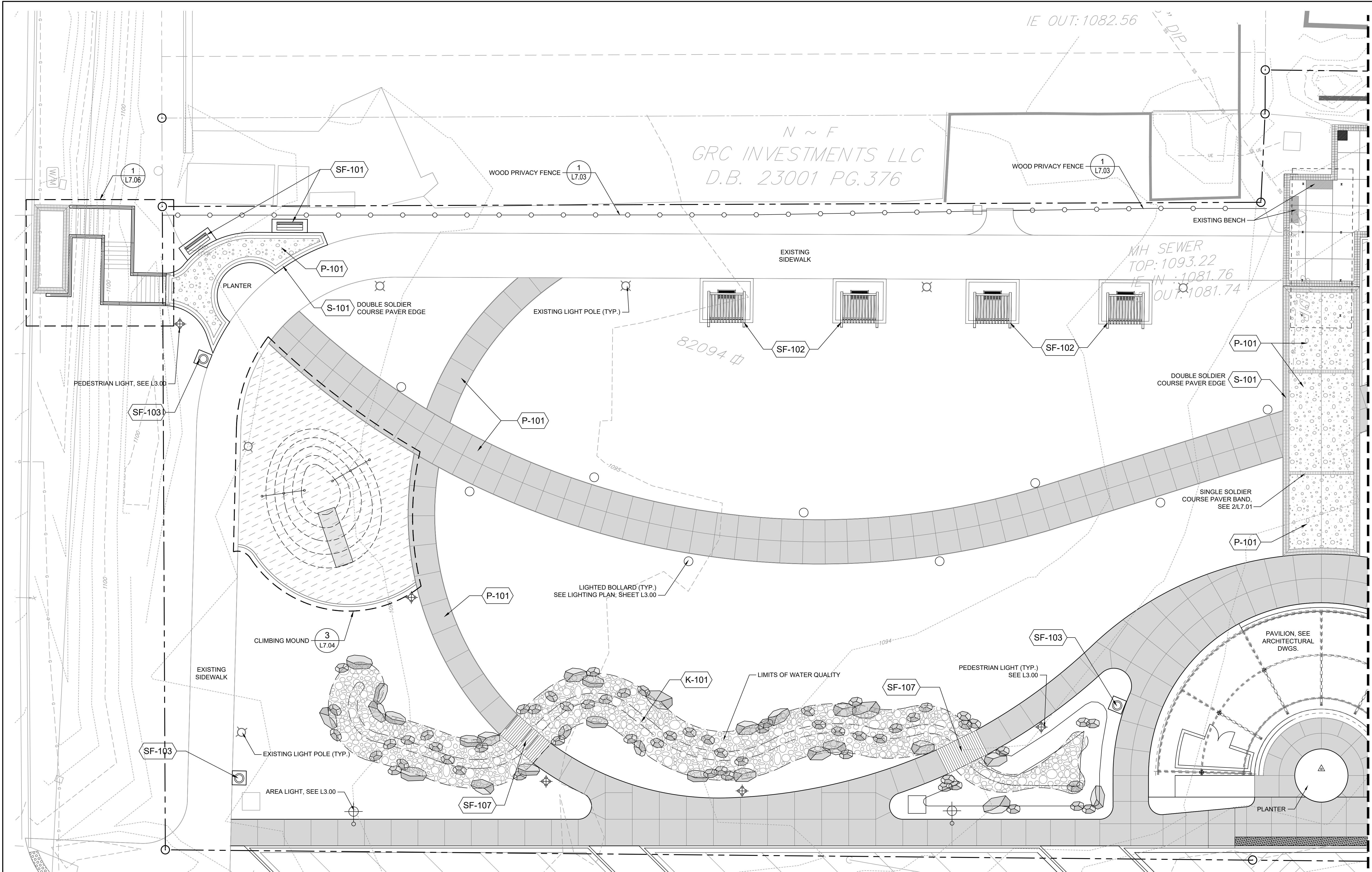
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PROJ. NO. : 3808805

CONTRACTOR IS TO REFERENCE UNITED CONSULTING GEOTECHNICAL EXPLORATION REPORT (10.23.2023) AND ADDENDUM #1 (03.18.2024) FOR THE TUCKER TOWN GREEN PARK SITE FOR SOIL REMEDIATION AREAS.

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PLOT:5/20/24

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SITE MATERIALS LEGEND

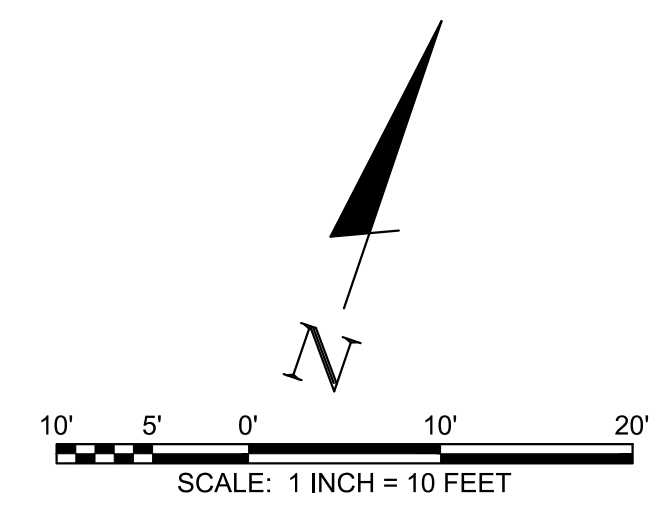
SYMBOL	ROCK DESCRIPTION	DETAIL
(K-101)	DRY STREAM BED	8/L7.01
SYMBOL	CONCRETE DESCRIPTION	DETAIL
(P-101)	LIGHT DUTY CONCRETE LIGHT BROOM FINISH	1/L7.01
(P-102)	LIGHT DUTY CONCRETE EXPOSED AGGREGATE FINISH	

SITE FURNISHING LEGEND

SYMBOL	SURFACE MATERIALS DESCRIPTION	DETAIL
(S-101)	BRICK PAVER BAND	2/L7.01 OR 3/L7.01
(S-102)	PERVIOUS PAVERS	2/L7.03
SYMBOL	SYNTHETIC SURFACE DESCRIPTION	DETAIL
(T-101)	SYNTHETIC TURF	3/L7.05

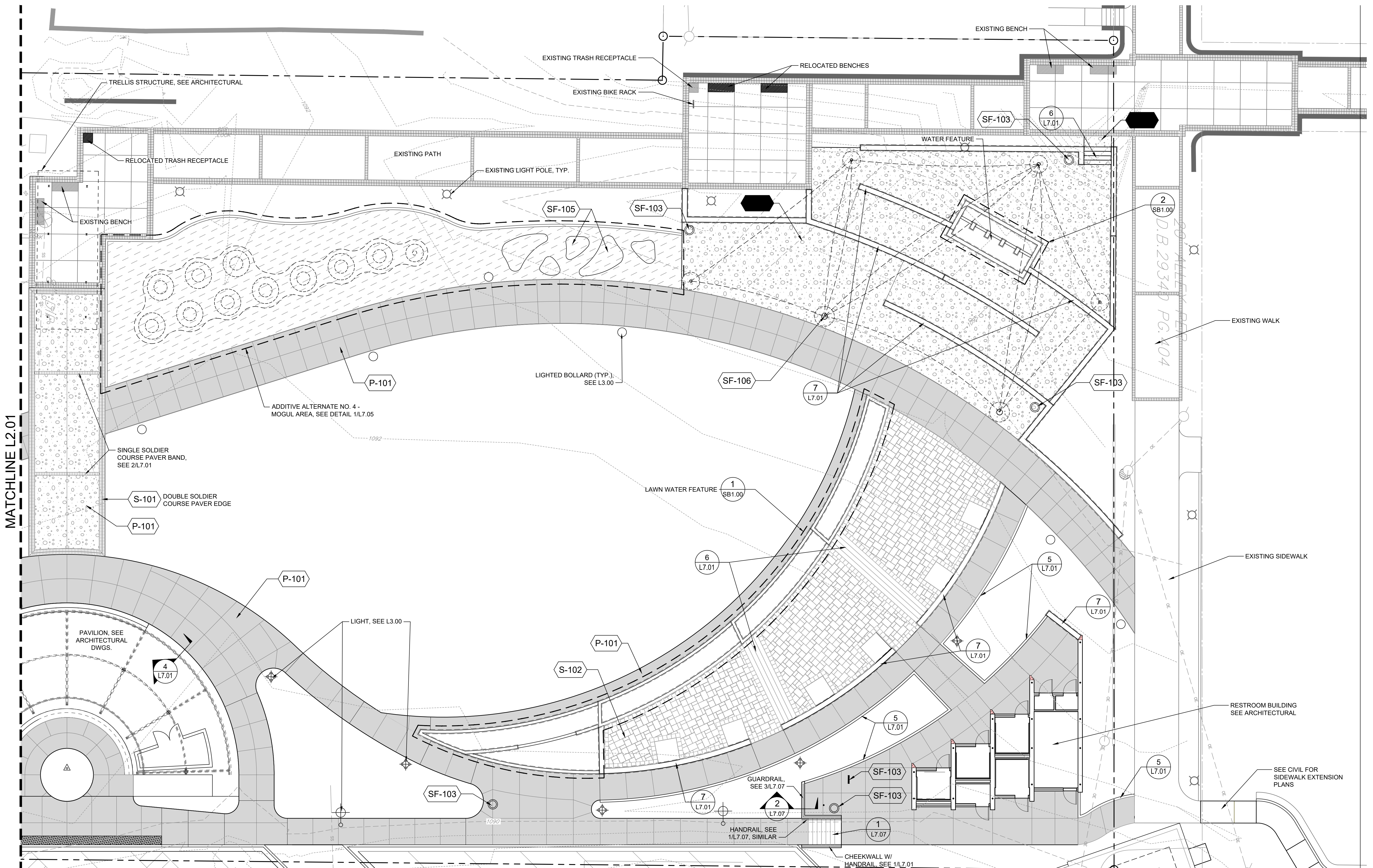
SITE FURNISHING LEGEND

(SF-101)	STANDARD BENCH	1/L7.02
(SF-102)	ARBOR SWING	5/L7.03
(SF-103)	WASTE RECEPTACLE	3/L7.02
(SF-104)	BIKE RACK	2/L7.02
(SF-106)	SHADE SAILS	1/L7.04
(SF-107)	BOARDWALK	4/L7.02
(SF-108)	MODERN CONCRETE BENCH	



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SAVED:5/20/24
PLOTTED:5/20/24



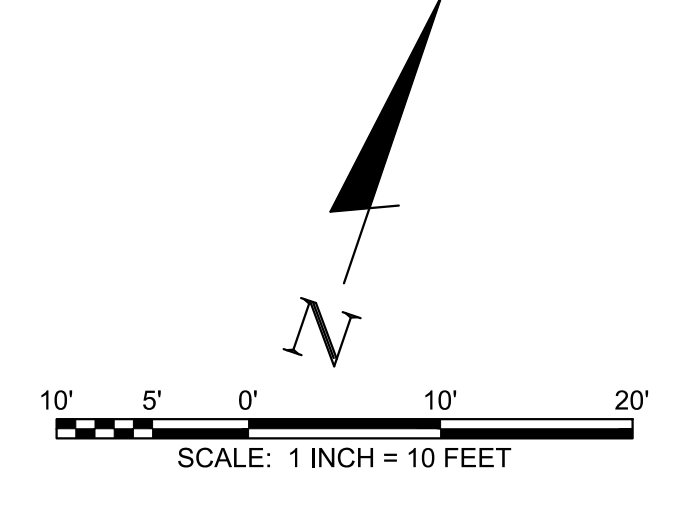
SITE MATERIALS LEGEND

SYMBOL	ROCK DESCRIPTION	DETAIL
(K-101)	DRY STREAM BED	8/L7.01
SYMBOL	CONCRETE DESCRIPTION	DETAIL
(P-101)	LIGHT DUTY CONCRETE LIGHT BROOM FINISH	1/L7.01
(P-102)	LIGHT DUTY CONCRETE EXPOSED AGGREGATE FINISH	

SITE FURNISHING LEGEND

SYMBOL	SURFACE MATERIALS DESCRIPTION	DETAIL
(S-101)	BRICK PAVER BAND	2/L7.01 OR 3/L7.01
(S-102)	PERVIOUS PAVERS	2/L7.03
SYMBOL	SYNTHETIC SURFACE DESCRIPTION	DETAIL
(T-101)	SYNTHETIC TURF	3/L7.05

(SF-101)	STANDARD BENCH	1/L7.02
(SF-102)	ARBOR SWING	5/L7.03
(SF-103)	WASTE RECEPTACLE	3/L7.02
(SF-104)	BIKE RACK	2/L7.02
(SF-106)	SHADE SAILS	1/L7.04
(SF-107)	BOARDWALK	4/L7.02
(SF-108)	MODERN CONCRETE BENCH	



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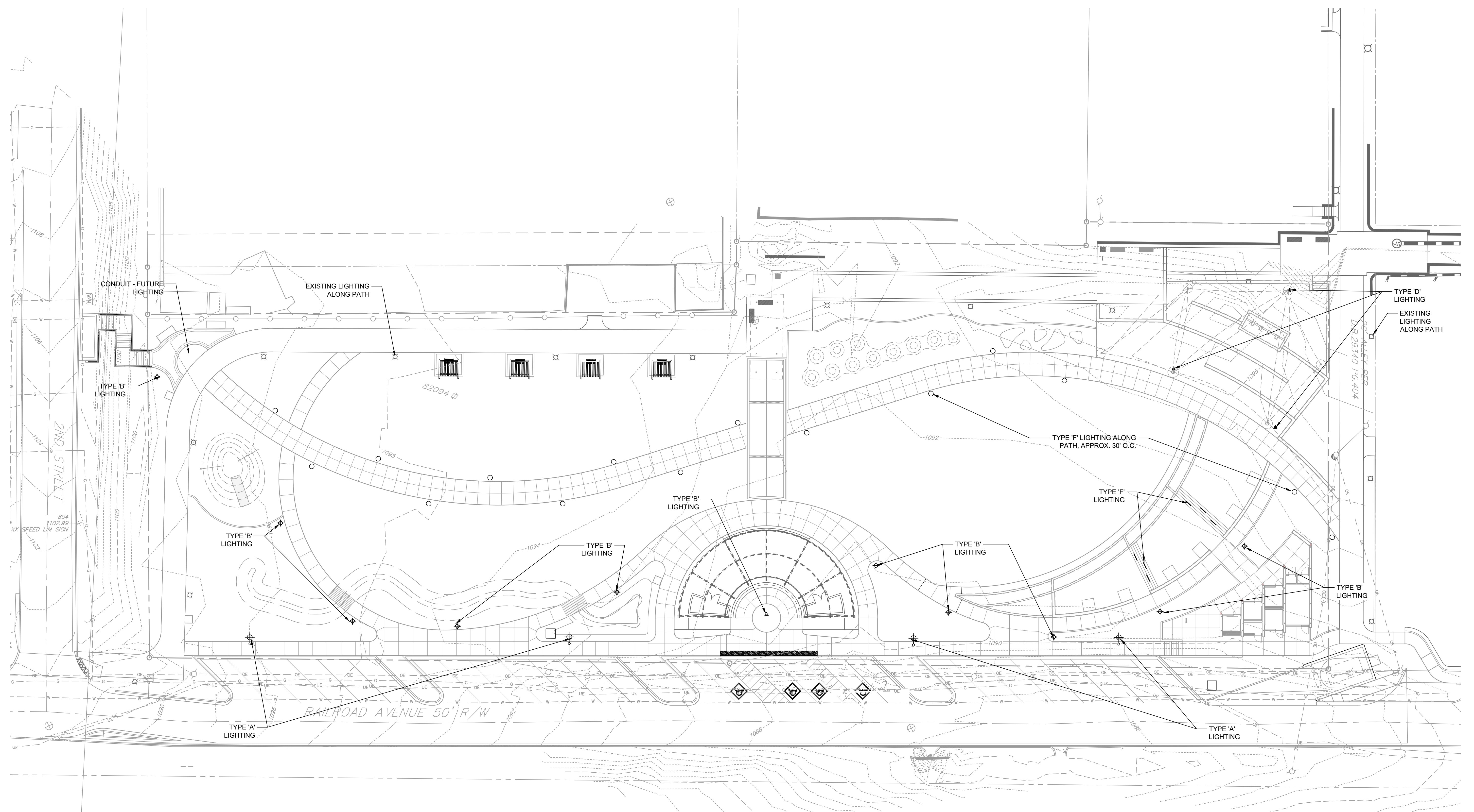
REV.	OR	DATE	DESCRIPTION
0	JS	05/21/2024	ISSUED FOR BID

L2.02

PROJ. NO. : 3808805



LIGHTING PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



LIGHTING LEGEND		
SYMBOL	ITEM	TYPE
	PARING LOT LIGHT	A
	INTERIOR PEDESTRIAN LIGHT	B
	LANDSCAPE UPLIGHT	C
	STRUCTURE DOWNLIGHT (SHADE SAILS)	D
	LIGHTED BOLLARD (SHIELDED BOLLARD)	E
	RECESSED STAIR LIGHT (RECESSED LUMINAIRE)	F

NOTE:
THE INTENT OF THIS PLAN IS TO INDICATE LIGHT LOCATIONS.
SEE ELECTRICAL DRAWINGS FOR POWER DISTRIBUTION
INFORMATION AND THE LIGHTING SCHEDULE ON SHEET L7.00
FOR LIGHTING PRODUCT INFORMATION.

SCALE: 1 INCH = 20 FEET

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REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

L3.00
PROJ. NO. : 3808805

USER: MCDONLEY
 FILE: 3813008030808004_CADLANDPLOT1701-XX_SITE DETAILS.dwg
 SAVED: 5/8/2024
 PLOTTED: 5/8/2024

SITE FURNISHING SCHEDULE					
ITEM	TYPE	QUANTITY	MODEL NUMBER	EQUIPMENT RESOURCE	REMARKS
BENCH	SF-101	2	CITY OF TUCKER STANDARD LENGTH: 72" (INCLUDE CENTER BAR) COLOR: BLACK FINISH: POWDERCOATED MOUNTING: SURFACE MOUNT W/ 304 SS	MFR: VICTOR STANLEY CONTACT: JOHN WAGNER PHONE: 770.984.5957 EMAIL:	SEE DETAIL 1/L7.02 CONTRACTOR SHALL MARK LOCATIONS PRIOR TO INSTALLATION AND SHALL BE APPROVED BY OWNERS REPRESENTATIVE
WASTE RECEPTACLE	SF-103	7	CITY OF TUCKER STANDARD MODEL: TR-14 TRASH RECEPTACLE CAPACITY: 34 GALLON SIDE OPENING COLOR: BLACK FINISH: POWDERCOATED OPTIONS: STANDARD SIDE DOOR OPENING OPTIONS: W/O LOCK INCLUDE BLACK PE LINER	MFR: FAIR WEATHER SITE FURNISHINGS CONTACT: PHONE: 360.895.2626 EMAIL: john@peachstateamenities.com	SEE DETAIL 3/L7.02 CONTRACTOR SHALL MARK LOCATIONS PRIOR TO INSTALLATION AND SHALL BE APPROVED BY OWNERS REPRESENTATIVE
BIKE RACK	SF-104	2	CITY OF TUCKER STANDARD MODEL: STANDARD HOOP RACK W/ LEAN BAR DEPTH: 3-1/2" LEGNTH: 20" HEIGHT: 30-1/4" COLOR: BLACK FINISH: POWDERCOATED MOUNTING: SURFACE MOUNT	MFR: DERO CONTACT: PHONE: 615.554.1927 EMAIL: micah@dero.com	SEE DETAIL 2/L7.02 CONTRACTOR SHALL MARK LOCATIONS PRIOR TO INSTALLATION AND SHALL BE APPROVED BY OWNERS REPRESENTATIVE
MODERN CONCRETE BENCH		1 2 2	URBASTYLE GALET GALET I: 50" X 50" X 16" GALET II: 63" X 63" X 19-1/2" GALET V: 120" X 84" X 14" COLOR: A30 FINISH: ACID WASHED OR APPROVED EQUAL	MFR: WAUSAU TILE CONTACT: TROY DAHLKE PHONE: 613.334.0016 EMAIL: troyd.wt@gmail.com wtile@wausatile.com	CONTRACTOR SHALL MARK LOCATIONS PRIOR TO INSTALLATION AND SHALL BE APPROVED BY OWNERS REPRESENTATIVE
SHADE SAILS	SF-106	5	CUSTOM SHADE SAIL SYSTEM SAIL COLOR A/C: DESERT SAND SAIL COLOR B/D: EGGSHHELL WHITE POST COLOR: JET BLACK OR APPROVED EQUAL	MFR: SHADE SYSTEMS CONTACT: MALCOLM HAMMONDS PHONE: 770.878.0210 EMAIL: malcomb@playsouth.net	SEE DETAIL 1/L7.04 CONTRACTOR SHALL PROVIDE GA SEALED STRUCTURAL FOOTING DETAILS
ARBOR SWING	SF-102	4	MILLENNIUM TRELLIS W/ GLIDER TRELLIS: MIL-9x16 GLIDER BENCH: 72" LENGTH COLOR: PITCH GLOSS FINISH: POWDERCOATED MOUNTING: PER MANUFACTURER'S RECOMMENDATION OR APPROVED EQUAL	MFR: POLIGON CONTACT: ALLISON HASLEY PHONE: 770.985.4042 EMAIL: ahasley@hasley-recreation.com	SEE DETAIL 2/L7.04 CONTRACTOR SHALL PROVIDE GA SEALED STRUCTURAL FOOTING DETAILS
PRIVACY FENCE			LUXECORE COMPOSITE PRIVACY FENCE FENCE HEIGHT: 6' COLOR: TIMBER BROWN INFILL DIRECTION: HORIZONTAL OR APPROVED EQUAL	MFR: FENCETRAC CONTACT: PHONE: 918.794.8722 EMAIL: info@fencetrac.com	SEE DETAIL 1/L7.03
CONCRETE SLIDE			PRECAST SLIDE SINGLE SLIDE APPROX 4' WIDE 30 DEGREE SLIDE BED FINISH: POLISHED OR APPROVED EQUAL	MFR: GEORGIA PRECAST CONTACT: KEMAN DOWELL PHONE: 770.9908797 EMAIL: kdowell@georgiaprecast.com	SEE LAYOUT 3/L7.04
POST & ROPE LADDER			EMBANKMENT SLIDE-POST CLIMBER REF: 53242-W 3-POST & 2-ROPE COLOR: BLACK FINISH: POWDERCOAT OR APPROVED EQUAL	MFR: COLUMBIA CASCADE CONTACT: PHONE: 503.223.1157 EMAIL:	SEE LAYOUT 3/L7.04

LIGHTING SCHEDULE					
ITEM	TYPE	QUANTITY	MODEL NUMBER	EQUIPMENT RESOURCE	REMARKS
PARKING LOT LIGHT	A	4	CITY OF TUCKER STANDARD	MFR: GA POWER CONTACT: DEANGELO QUARTERMAN PHONE: 470.557.1613 EMAIL: DQUARTER@SOUTHERNCO.COM	SEE ELECTRICAL CITY OF TUCKER CITY STANDARD
INTERIOR PEDESTRIAN LIGHT	B	9	CITY OF TUCKER STANDARD 101 W LED ARC GENERATION POST TOP LIGHTS 12' MH BLACK DIRECT EMBEDDED POLES	MFR: GA POWER CONTACT: DEANGELO QUARTERMAN PHONE: 470.557.1613 EMAIL: DQUARTER@SOUTHERNCO.COM	SEE ELECTRICAL CITY OF TUCKER CITY STANDARD
LANDSCAPE UPLIGHT	C		7685LED WATTAGE: 19.6W OPTIONS: 204 EARTH SPIKE COLOR: BLACK MATTE OR APPROVED EQUAL	MFR: BEGA CONTACT: Ardd +Winter, Inc PHONE: 770.368.2740 EMAIL: mattb@awights.com	SEE ELECTRICAL
STRUCTURE DOWNLIGHT (SHADE SAILS)	D	3	7682LED WATTAGE: 19.6W COLOR: BLACK MATTE OR APPROVED EQUAL	MFR: BEGA CONTACT: Ardd +Winter, Inc PHONE: 770.368.2740 EMAIL: mattb@awights.com	SEE ELECTRICAL
STAIR WALL LIGHT (RECESSED WALL LUMINAIRE)	E		77 001 LED ASYMMETRIC WATTAGE: 3.7W SIZE: 15-3/4" L x 2-1/8" H x 2-1/2" D FINISH: #4 BRUSHED STAINLESS STEEL OR APPROVED EQUAL	MFR: BEGA CONTACT: Ardd +Winter, Inc PHONE: 770.368.2740 EMAIL: mattb@awights.com	SEE ELECTRICAL
LIGHTED BOLLARD W/ GFCl (SHIELDED BOLLARD)	F	15	84 706 LED W/ 99 626 TUBE (ASYMMETRIC) WATTAGE: 8.2W SIZE: 2-1/4" H. x 7-1/2" D. BOLLARD TUBE W/ INTEGRAL GFCl OUTLET SIZE: 32" H x 7 1/2" D. COLOR: BLACK MATTE OR APPROVED EQUAL	MFR: BEGA CONTACT: Ardd +Winter, Inc PHONE: 770.368.2740 EMAIL: mattb@awights.com	SEE ELECTRICAL

PAVING MATERIALS SCHEDULE					
ITEM	TYPE	MODEL NUMBER	EQUIPMENT RESOURCE	REMARKS	
AXIAL WALK CONCRETE PAVER	S-101	APPROVED PAVER: PATHWAY PAVERS STRAIGHT EDGE SIZE: 4x8x2.25 COLORS: PATHWAY COCOA FULL RANGE PATTERN: SOLDIER COURSE BAND PATTERN: FIELD - 45 DEGREE HERRINGBONE	MFR: PINE HALL BRICK CONTACT: RICK GOSS PHONE: 404-855-1070 EMAIL: rgoss@alley-cassety.com	SEE DETAIL 2/701 COLOR TO MATCH BANDING ON EXISTING WALKWAY	
PERMEABLE PAVER	S-102	APPROVED PAVER: URBANA STONE 3 SIZES: 7-7/8 x 3-15/16 x 3-1/8 & 7-7/8 x 7-7/8 x 3-1/8 & 7-7/8 x 11-13/16 x 3-1/8 (80MM PEDESTRIAN GRADE) COLOR: ASPEN	MFR: BELGARD CONTACT: LOGAN ROOKS PHONE: 470.456.4352 EMAIL: Logan.Rooks@oldcastle.com	SEE DETAIL 2/703 PAVER EDGE BAND SHALL BE THE 12X12 PAVER	
ADA TRUNCATED DOME PAVER		APPROVED PAVER: HOLLAND ADA TRUNCATED DOME PAVER 4x8x60MM COLOR: RED (Match Downtown Tucker - City Approved) OR APPROVED EQUAL	MFR: BELGARD CONTACT: LOGAN ROOKS PHONE: 470.456.4352 EMAIL: Logan.Rooks@oldcastle.com	SEE DETAIL ON SHEET C7.03	
STANDARD CONCRETE PAVEMENT		STANDARD CONCRETE	MFR: TBD	SEE DETAIL 1/701	
TOP-CAST CONCRETE PAVEMENT		PREFERRED TOP-CAST: TOP-SURFACE RETARDER ACID ETCH CODE 05 POWDER BLUE VIOLET	MFR: GRACE CONSTRUCTION CONTACT: PHONE: 404-691-8646 EMAIL:	SEE DETAIL 1/701 CONTRACTOR SHALL DO A SEPARATE PANEL MOCKUP FOR CITY TO APPROVE ESTABLISHED ETCH-DEPTH	
SYNTHETIC TURF - LANDSCAPE AREAS		APPROVED SYNTHETIC TURF: NAME: COMMAND CORE PILE HT: 1 5/8" INFILL: OPTIFILL+ OR APPROVED EQUAL	MFR: FIELDTURF CONTACT: DILLON SISK PHONE: 423.903.8727 EMAIL: dillon.sisk@feldturf.com	SEE DETAIL 3/L7.05	



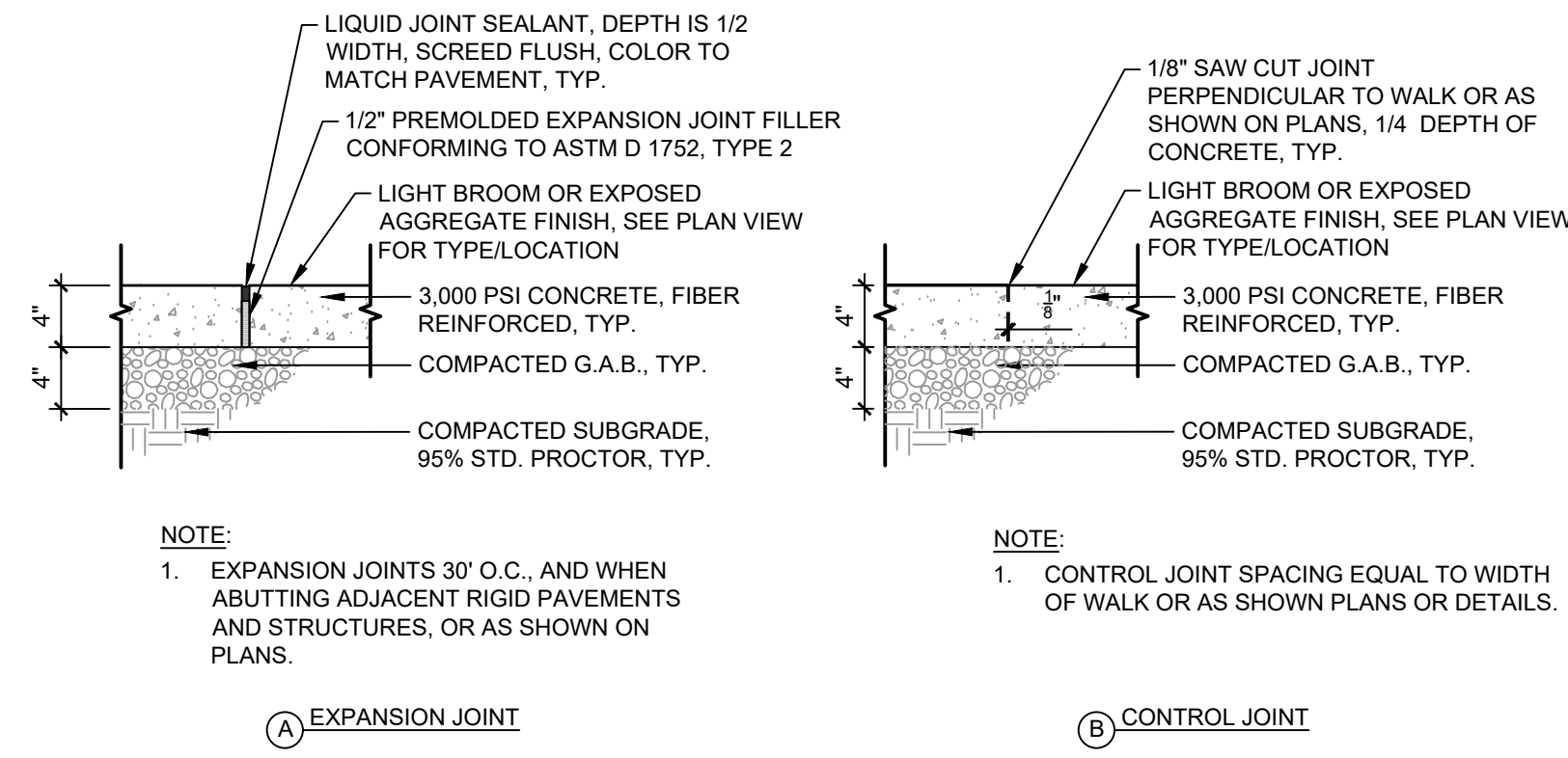
SITE MATERIALS AND FURNISHINGS SCHEDULE

 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

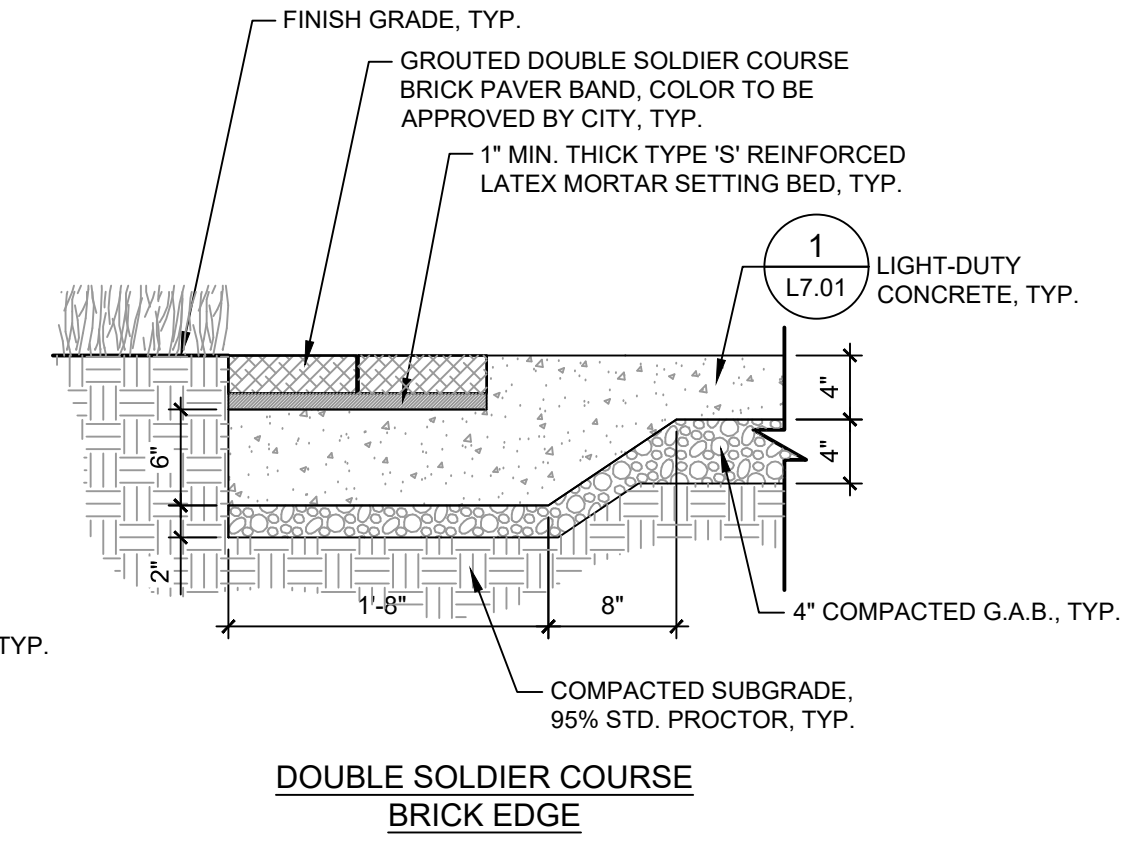
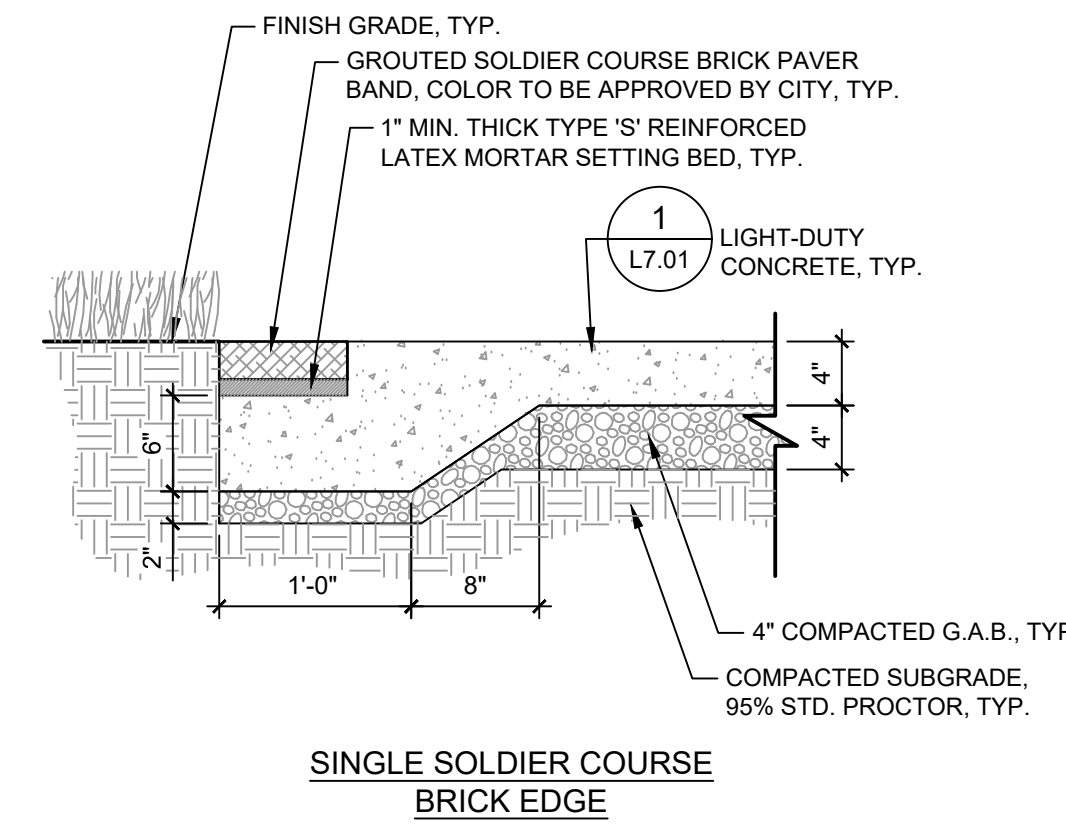
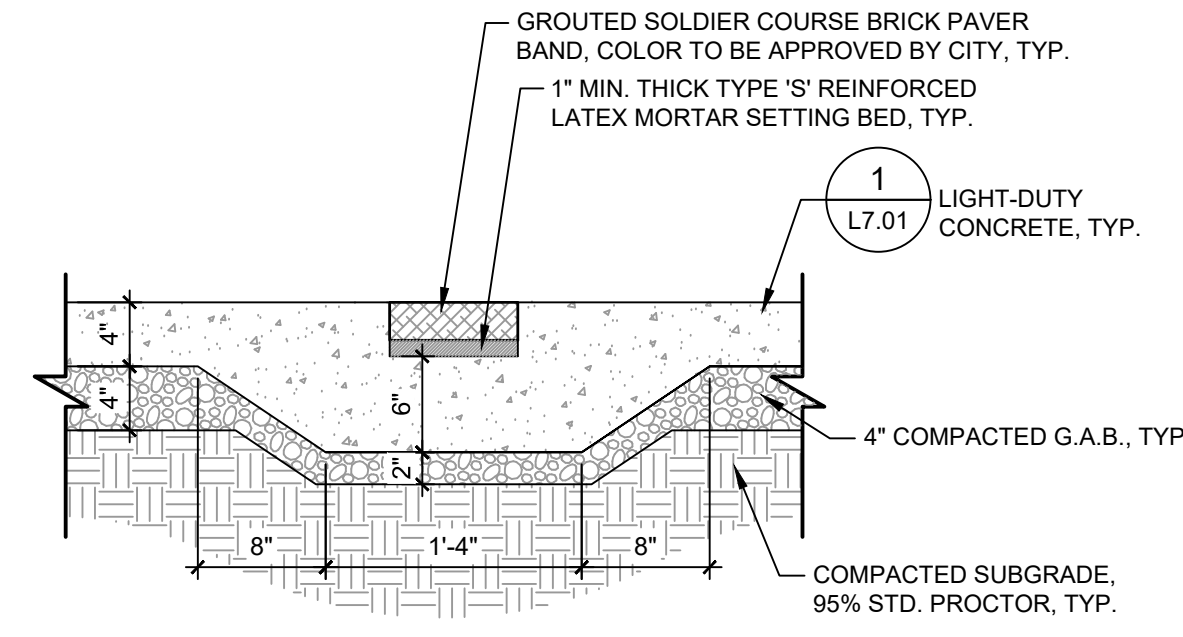
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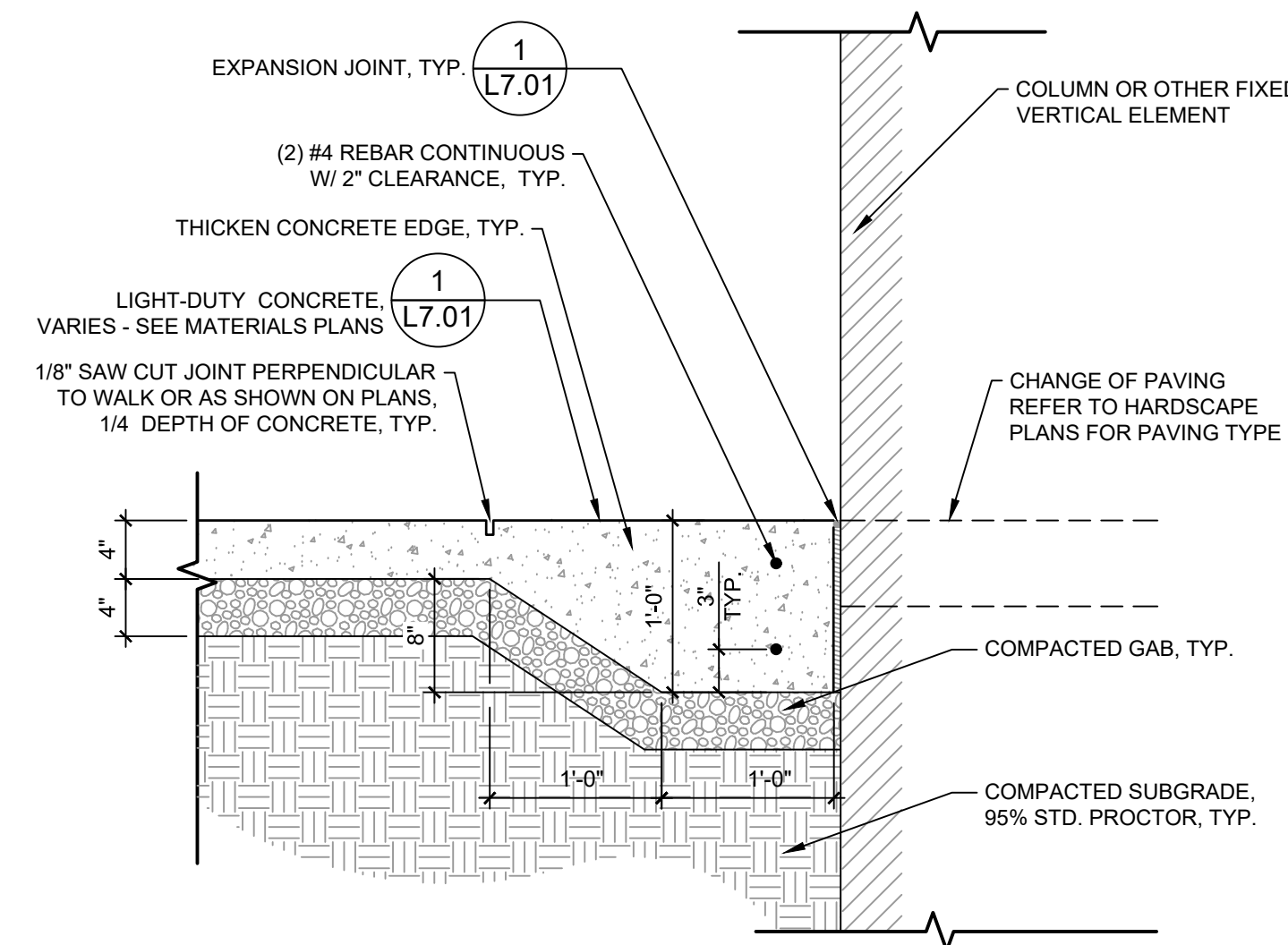
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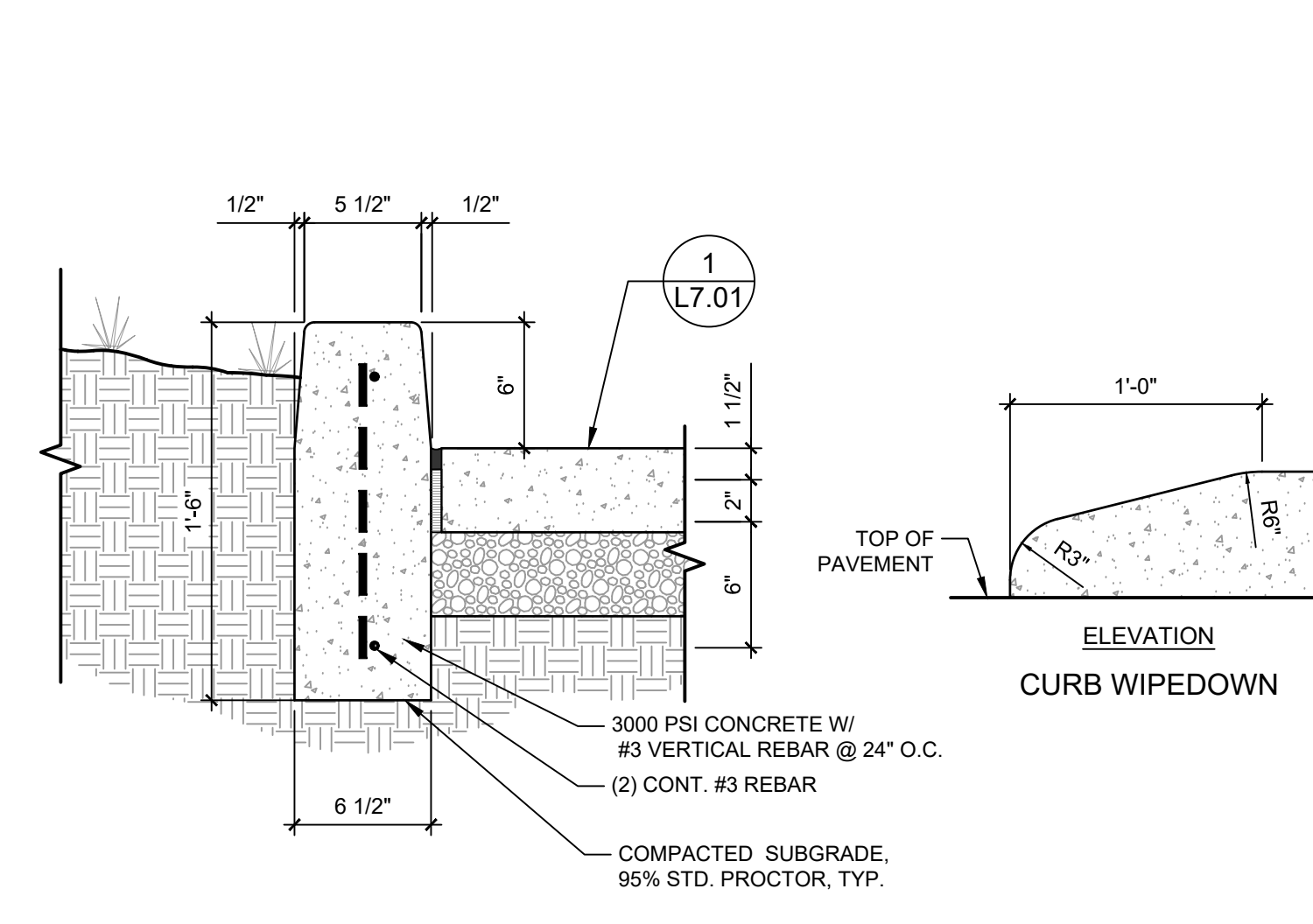
EXPOSED AGGREGATE FINISH
SANDBLAST CONCRETE FINISH TO GENERALLY EXPOSE COARSE AGGREGATE WITH SLIGHT REVEAL. MAXIMUM REVEAL SHALL BE 3/8".



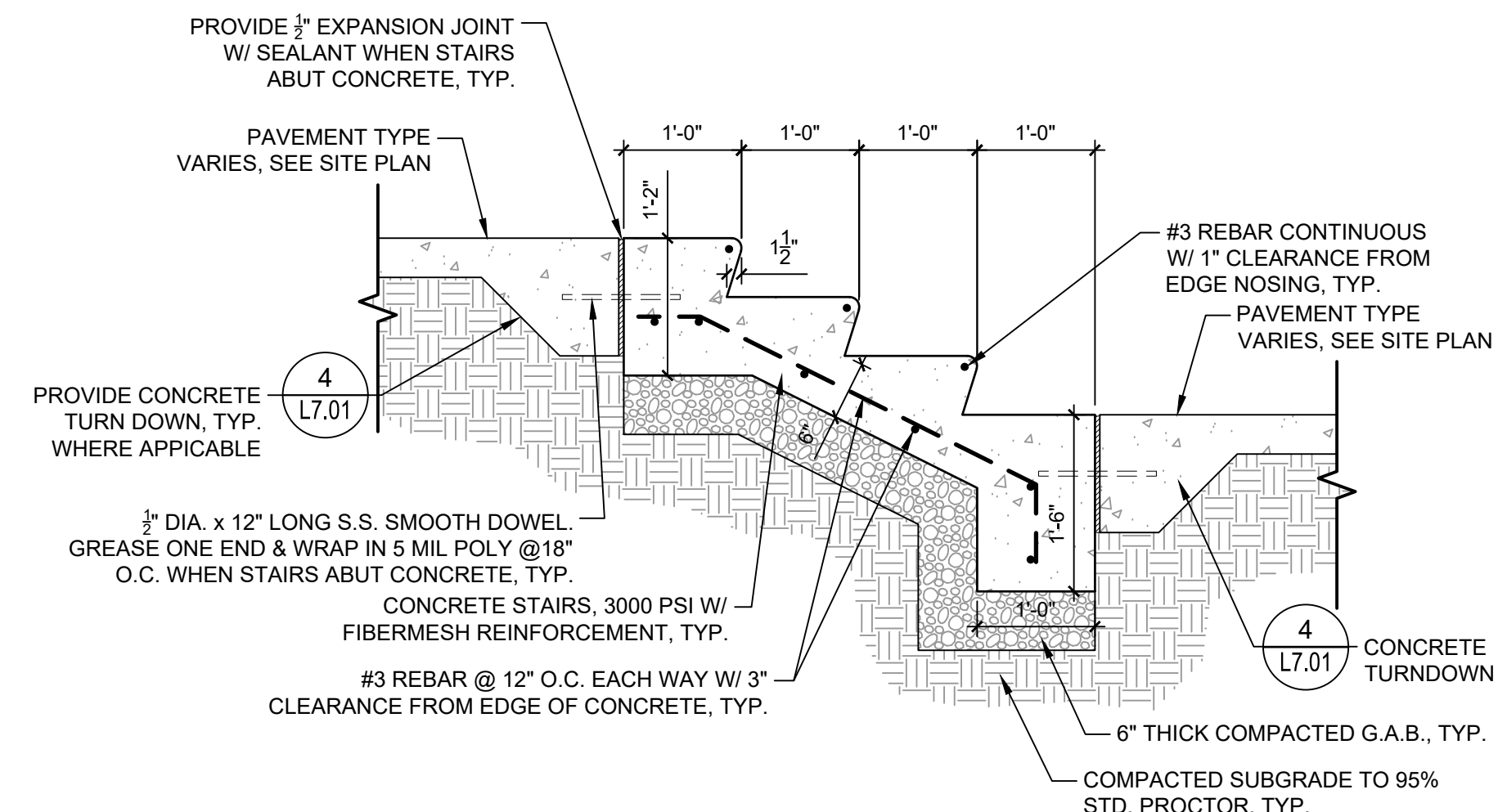
1 LIGHT - DUTY CONCRETE PAVING
L7.01 1" = 1'-0"



2 BRICK PAVER BAND (INTERNAL)
L7.01 1" = 1'-0"



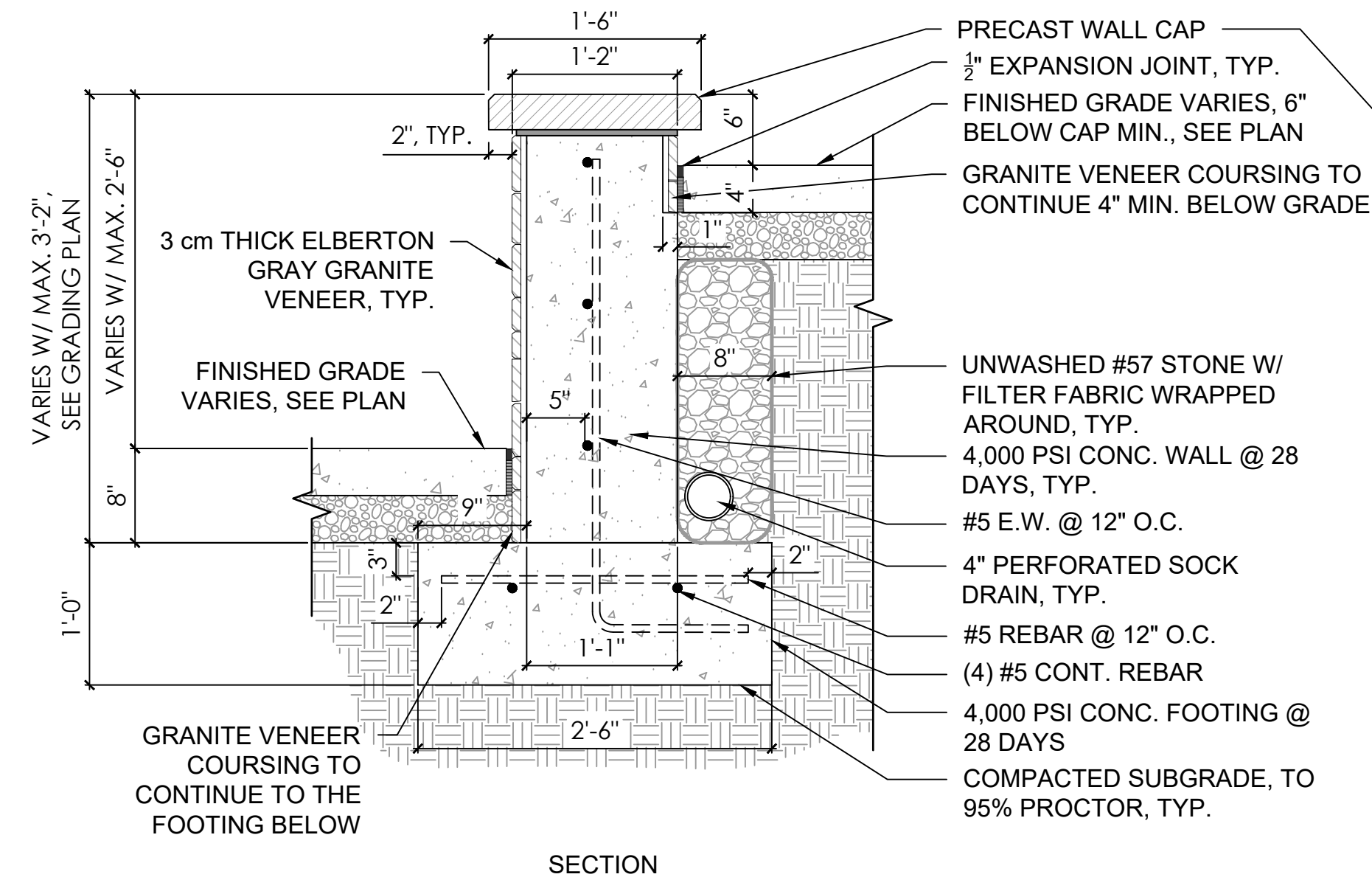
3 BRICK PAVER EDGE
L7.01 1" = 1'-0"



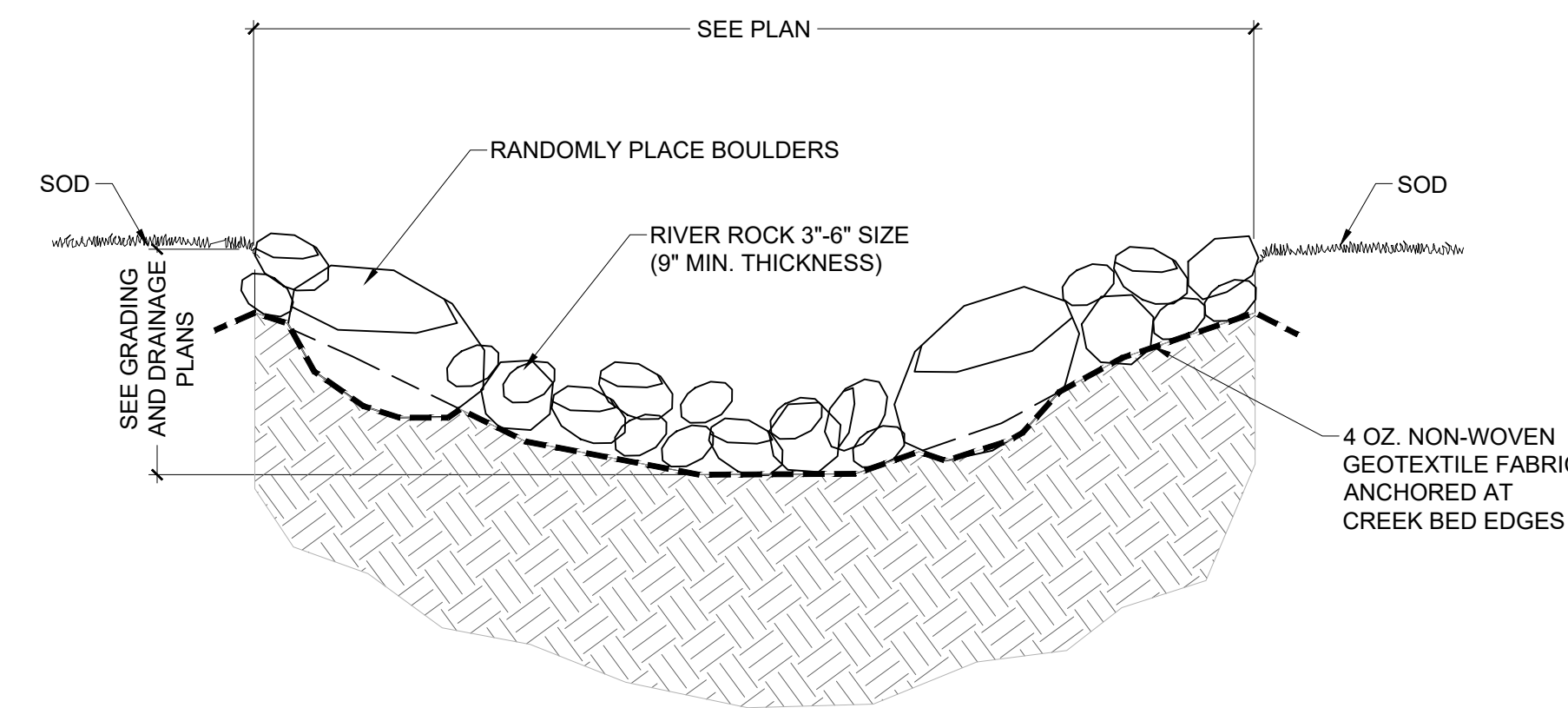
4 CONCRETE TURNDOWN AT BUILDING / CHANGE OF PAVING
L7.01 1" = 1'-0"

5 CONCRETE POST CURB - SECTION
L7.01 1 1/2" = 1'-0"

6 CONCRETE STAIRS @ PLAZA
L7.01 3/4" = 1'-0"



7 CONCRETE WALL W/ GRANITE VENEER & PRECAST CAP
L7.01 NTS



NOTES:

- CONTRACTOR TO PROVIDE AND RANDOMLY PLACE VARIED SIZE BOULDERS ALONG DRY CREEK BED AT THE APPROXIMATE COVERAGE RATE INDICATED IN THE TABLE BELOW. THE INTENT IS FOR COMPLETE STONE COVERAGE WITHIN THE CREEK BED. FILL ALL VOIDS BETWEEN BOULDERS WITH RIVER ROCK.
- CONTRACTOR SHALL PROVIDE A MOCKUP SAMPLE OF THE CREEK BED BOULDER SPACING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF THE FINAL CREEK BED.
- LARGER BOULDERS ARE INTENDED TO BE USED FOR INFORMAL SEATING AND SHALL HAVE AT LEAST ONE FLAT SURFACE FACING UP.
- BOULDERS TO BE IN THE FOLLOWING SIZE RANGE:

ROCK SIZE	ROCK WEIGHT	AVERAGE DIM.	PERCENTAGE
RIVER ROCK	n/a	3"-6"	10%
ONE MAN	50 - 200lbs	12"-18"	15%
TWO MAN	200 - 700lbs	18"-28"	25%
THREE MAN	700 - 2,000lbs	28"-36"	40%
FOUR MAN	2,000 - 4,000lbs	36"-48"	10%

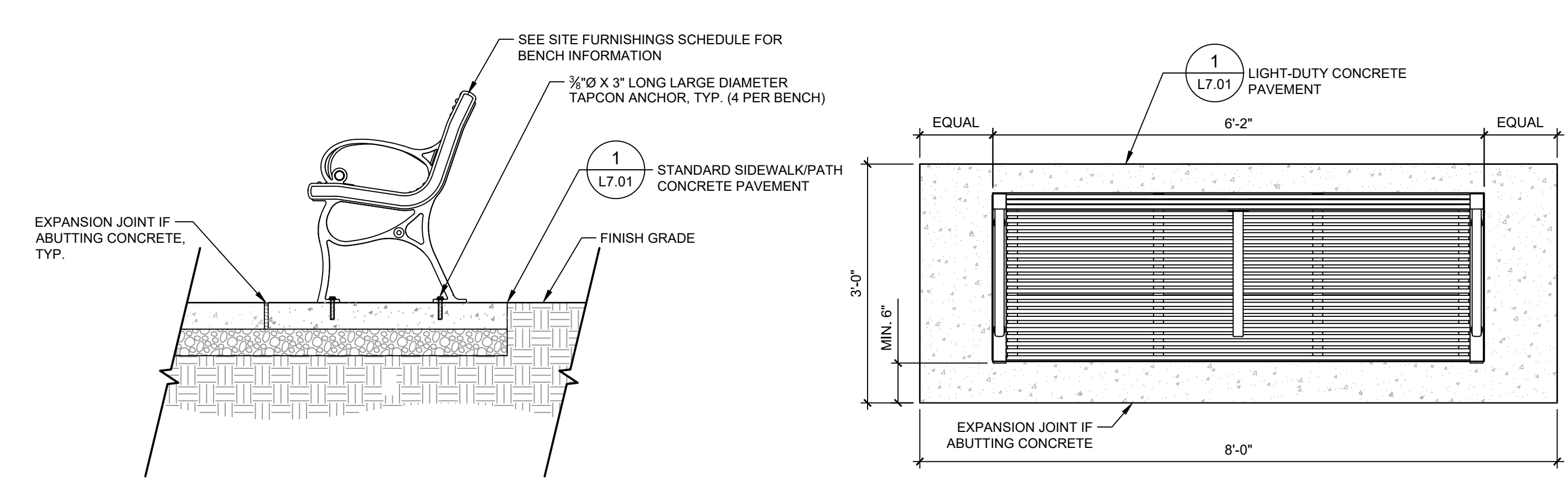


8 DRY STREAM BED
L7.01 NTS

REVISION INFORMATION

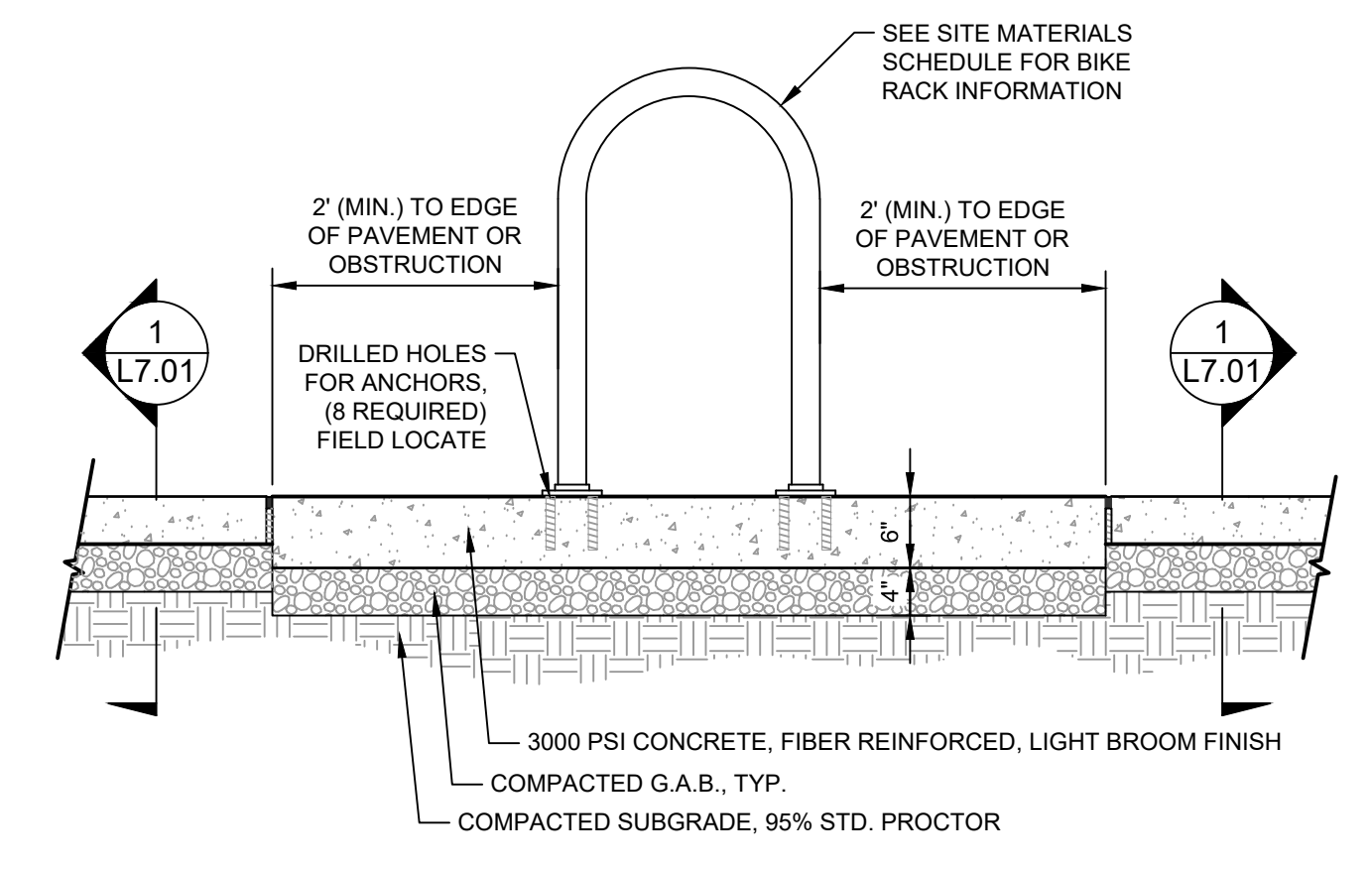
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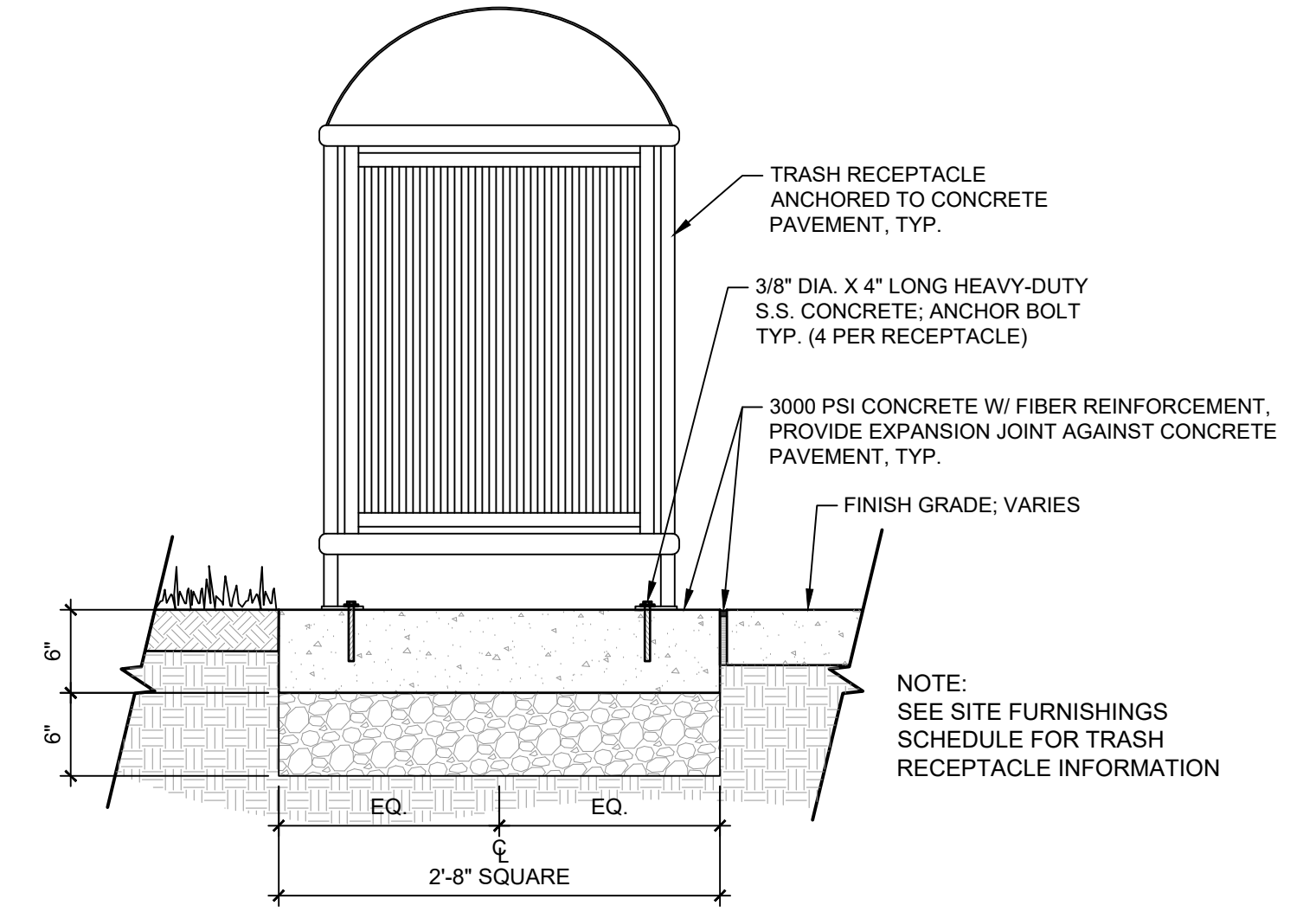


1 CONCRETE BENCH PAD
L7.02 3/4" = 1'-0"

NOTE
TOP OF CONCRETE PAVEMENT SHALL BE FLUSH WITH THE TOP OF ADJACENT FINISH GRADE.

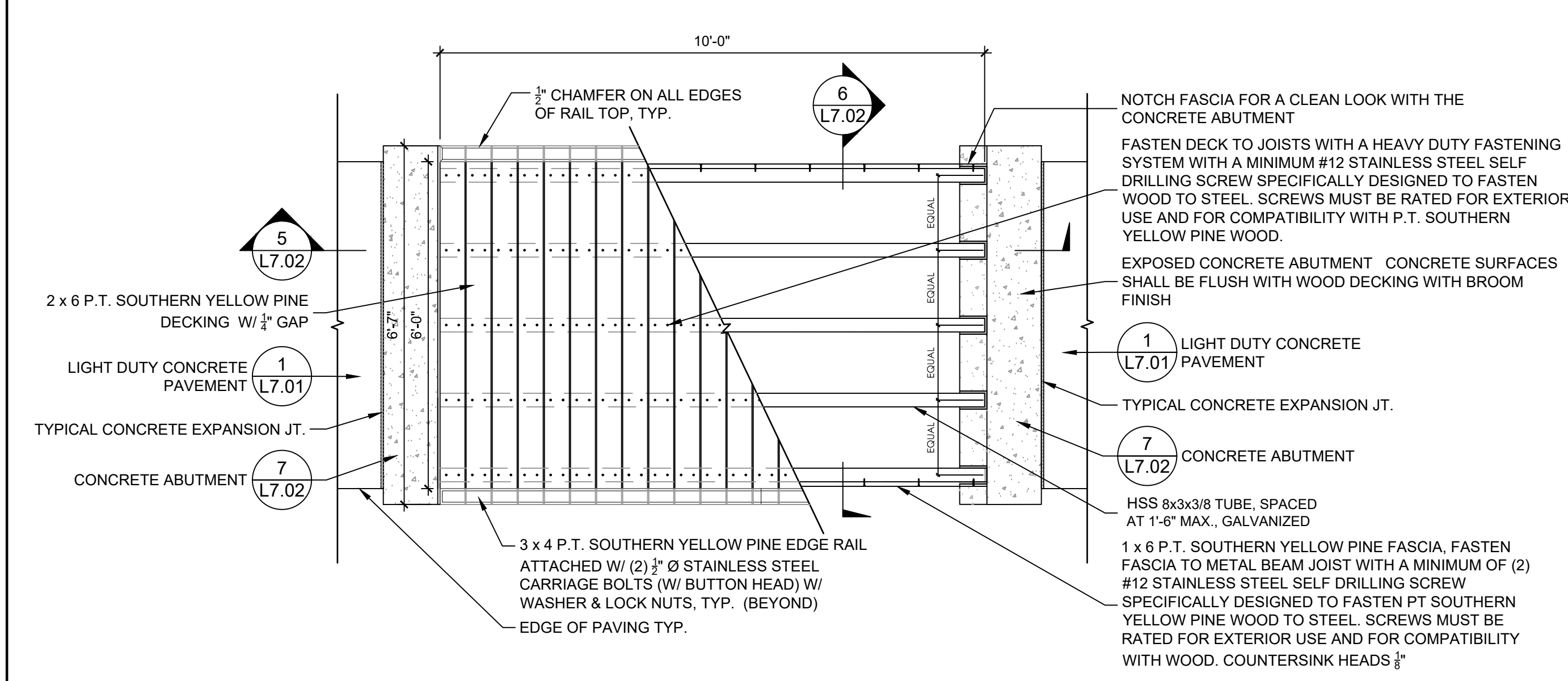


2 BIKE RACK AT CONCRETE SIDEWALK
L7.02 3/4" = 1'-0"



3 WASTE RECEPTACLE ATTACHMENT
L7.02 1" = 1'-0"

NOTE:
SEE SITE FURNISHINGS SCHEDULE FOR TRASH RECEPTACLE INFORMATION



4 WOOD BRIDGE PLAN
L7.02 1/2" = 1'-0"

FOUNDATION NOTES

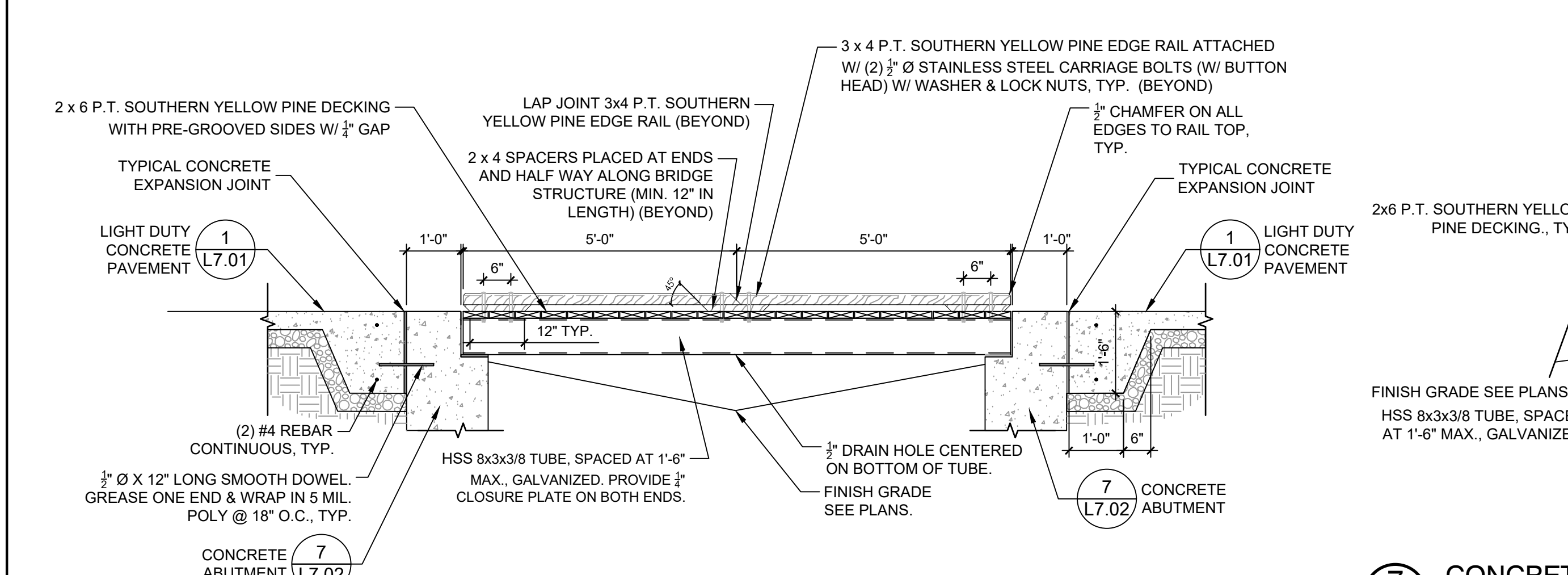
- ALL VERTICAL DOWELS SHALL BE PLASTIC TIPPED PER OSHA REQ. FOR FALL PROTECTION DURING CONSTRUCTION PROCESS.
- WHEN FOUNDATION EXCAVATIONS MUST REMAIN OPEN AND ARE SUBJECT TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT, AND A 2" THICK MUD MAT OF 2,500 PSI CONCRETE SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOIL OR AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- FOUNDATIONS ARE DESIGNED TO BEAR ON UNDISTURBED EARTH OR ENGINEERED COMPACTED FILL AT LEAST FROST DEPTH BELOW LOWEST ADJACENT FINISHED GRADE. FOOTING DEPTHS/ELEVATIONS SHOWN ON PLANS AND DETAILS ARE MINIMUM. ESTABLISH THE ACTUAL BOTTOM-OF-FOOTING ELEVATIONS IN THE FIELD, BASED UPON THE GEOTECHNICAL ENGINEER'S ON-SITE OBSERVATIONS AND ADDITIONAL TESTING, IF REQUIRED, THAT WILL ACHIEVE THE ALLOWABLE DESIGN BEARING PRESSURE. NOTIFY ENGINEER OF ANY NECESSARY DEVIATIONS FROM THE FOOTING ELEVATIONS SHOWN ON THE DRAWINGS PRIOR TO CONSTRUCTING THE FOOTINGS.

STEEL NOTES

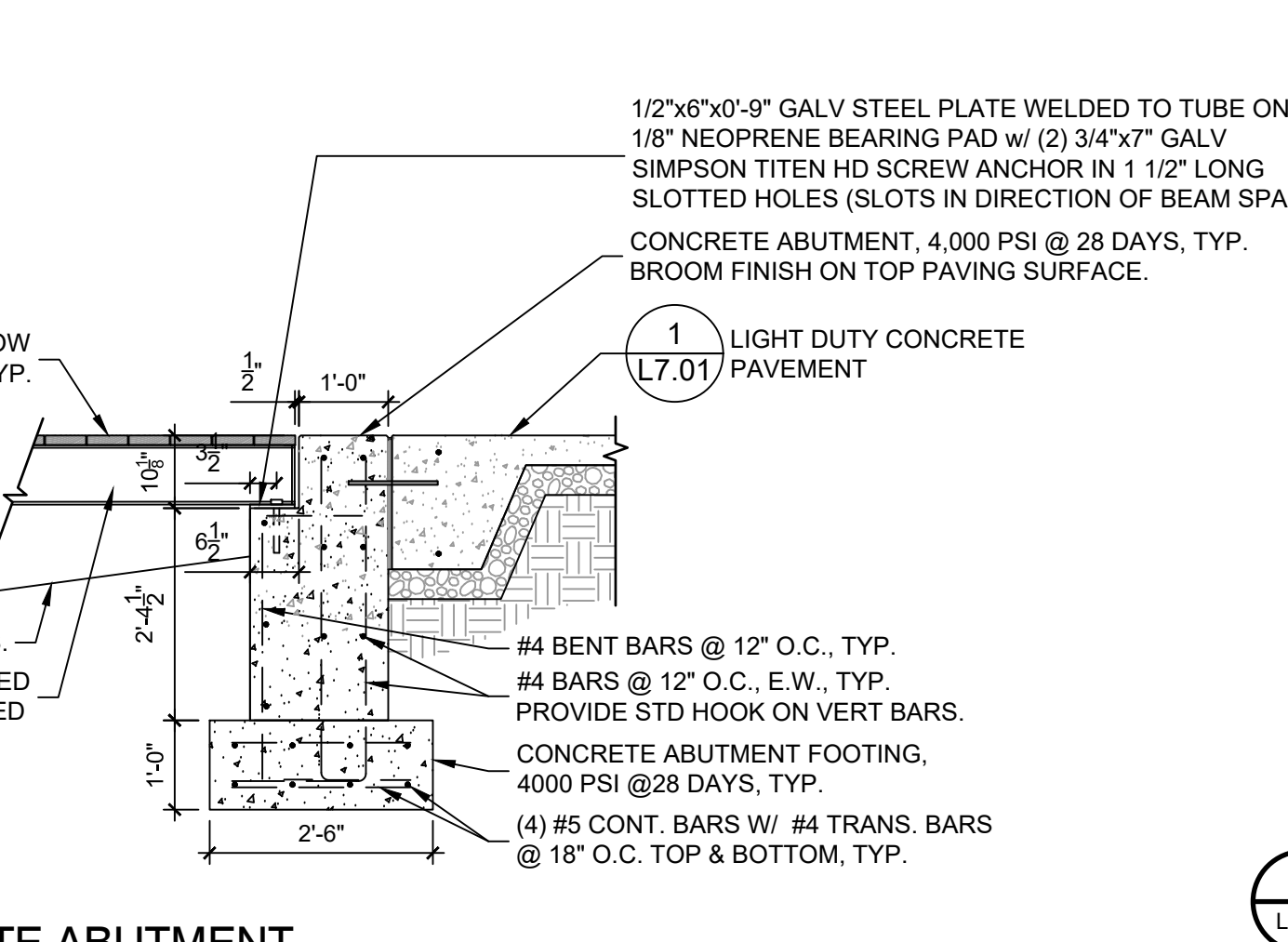
- ALL STEEL NOTED AS STAINLESS STEEL OR "S.S." ON THE DRAWINGS SHALL BE MADE FROM TYPE 304 OR 316 STAINLESS STEEL.
- JOISTS ARE HSS GALVANIZED STEEL, TYP.
- HSS MEMBERS SHALL BE ASTM A500, GRADE C.

WOOD FRAMING NOTES

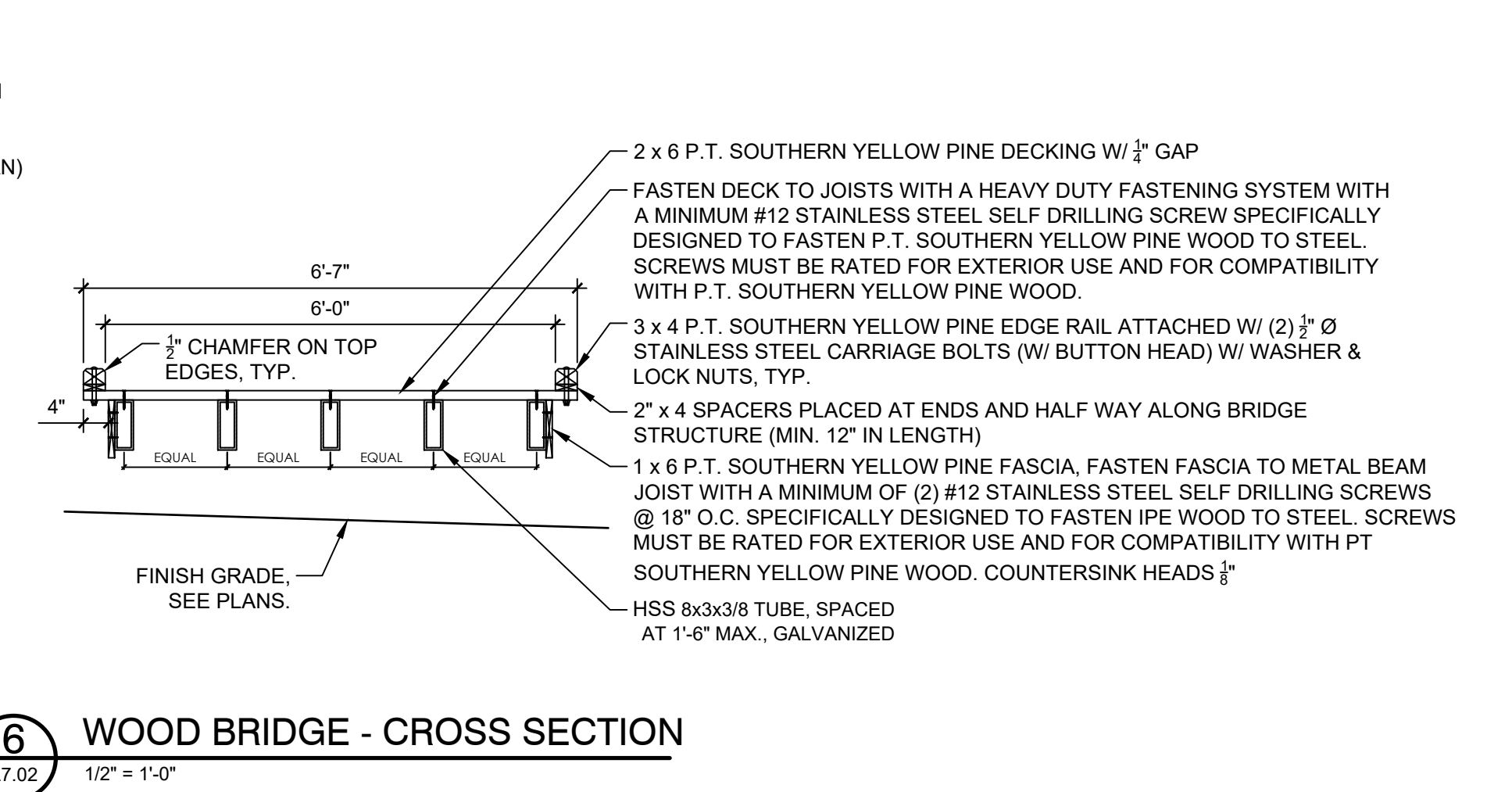
- THE FRAMING CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS INCLUDING MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, STRUCTURAL, ETC. TO ASCERTAIN LOADS FROM EQUIPMENT, OPENINGS FOR DUCTS, ETC. AND PROVIDE MODIFICATIONS TO FRAMING IF REQUIRED.
- ALL LUMBER SHALL BE PROVIDED WITH THE FOLLOWING USAGE & MATERIAL TYPE UNLESS OTHERWISE NOTED.
DECKING MEMBERS P.T. SOUTHERN YELLOW PINE NO.1
BEAMS P.T. SOUTHERN YELLOW PINE NO.1
POSTS P.T. SOUTHERN YELLOW PINE NO.1
- SAWN LUMBER SHALL BE KILN-DRIED AND WOOD MOISTURE CONTENT SHALL BE 19% MAXIMUM.
- DETAILING, FABRICATION AND ERECTION OF STRUCTURAL WOOD SHALL CONFORM TO CHAPTER 23 OF THE BUILDING CODE.
- ALL WOOD TO BE PRESSURE TREATED. PRESSURE TREAT LUMBER IN ACCORDANCE WITH THE MANUAL OF RECOMMENDED PRACTICE OF THE AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA). PRESSURE TREAT ALL TIMBER EXCEPT POSTS TO 0.25 PCF NET RETENTION FOR ABOVE GROUND USE. PRESSURE TREAT POSTS TO 0.6 PCF NET RETENTION FOR GROUND CONTACT.
- LIGHT GAUGE STEEL CONNECTOR CALLOUTS REFER TO PRODUCTS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY. INSTALL CONNECTORS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND THE DRAWINGS. CONNECTORS SHALL BE INSTALLED TO OBTAIN THE MAXIMUM LOAD VALUE LISTED IN THE MANUFACTURER'S CATALOG. LIGHT GAUGE STEEL CONNECTORS AND THEIR NAILS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE STAINLESS STEEL.
- ALL WOOD CONNECTORS, NAILS, SCREWS, AND BOLTS SHALL BE STAINLESS STEEL UNLESS NOTED OTHERWISE.
- BOLTS SHALL BE PROVIDED WITH LOCK WASHERS UNDER NUTS AND SELF-LOCKING NUTS. BOLT HOLES SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE.
- ALL CUT ENDS OF TREATED LUMBER SHALL BE COATED WITH COPPER NAPHTHATE SOLUTION (2% METAL).



5 WOOD BRIDGE - LONGITUDINAL SECTION
L7.02 1/2" = 1'-0"



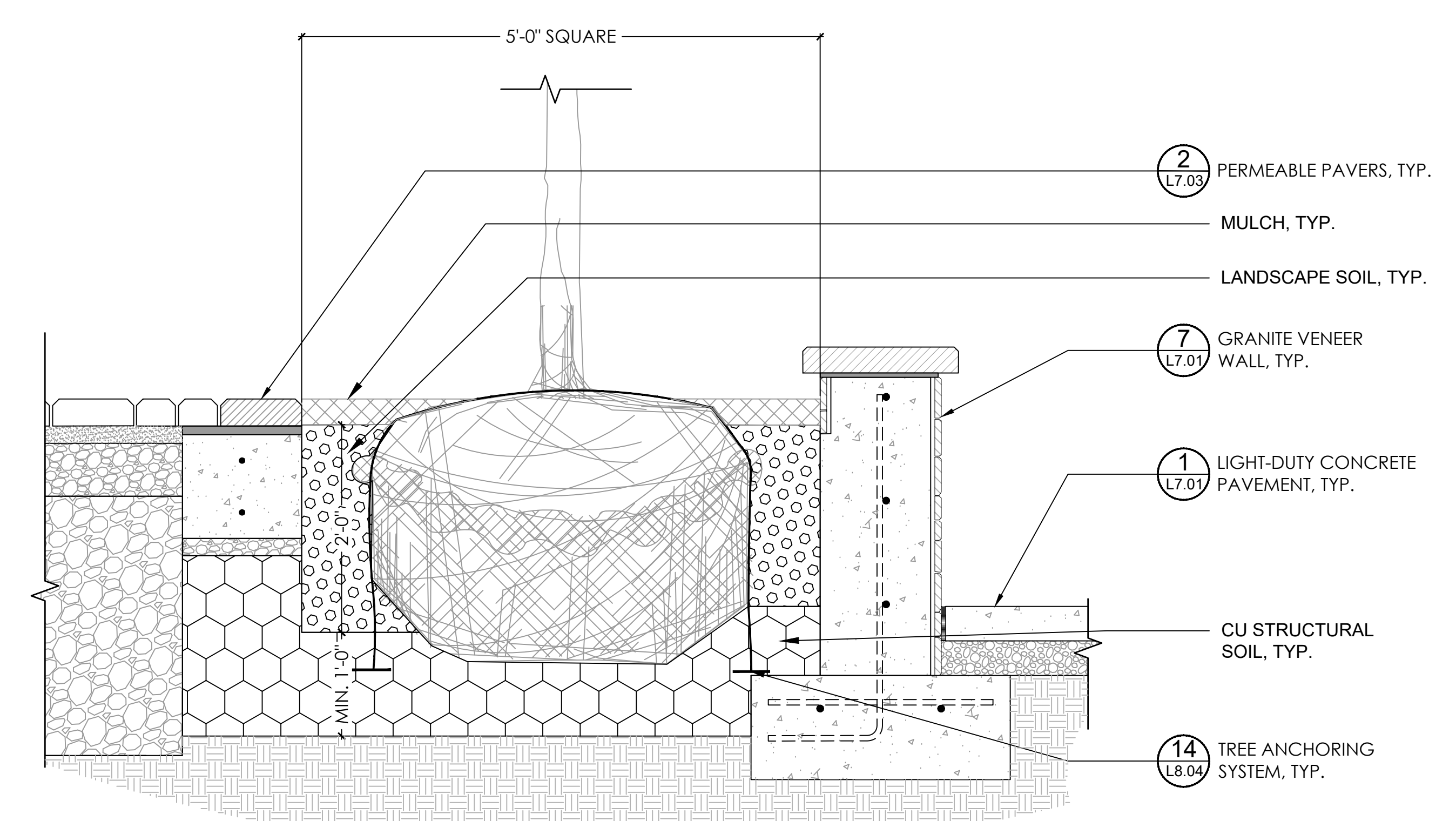
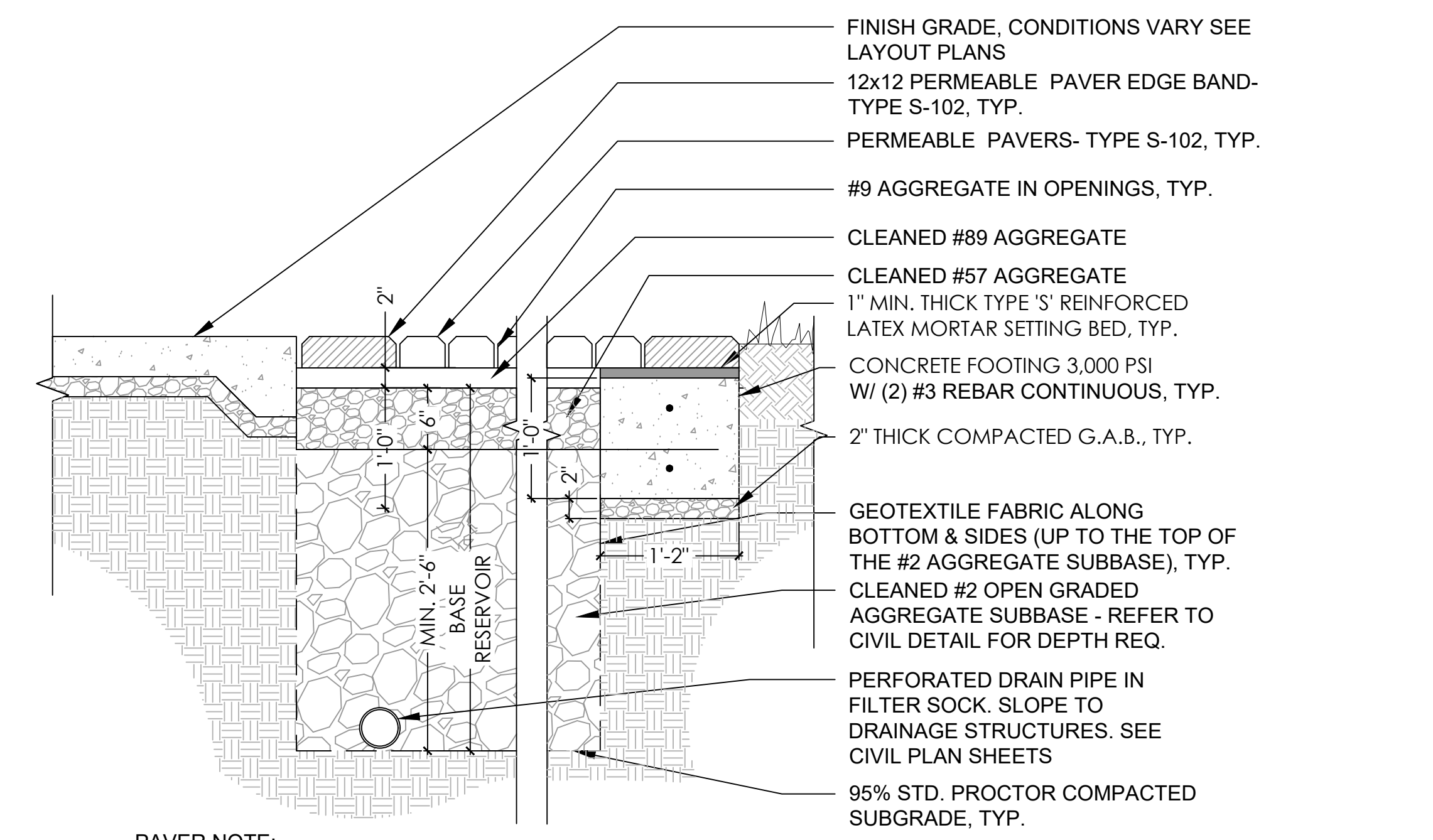
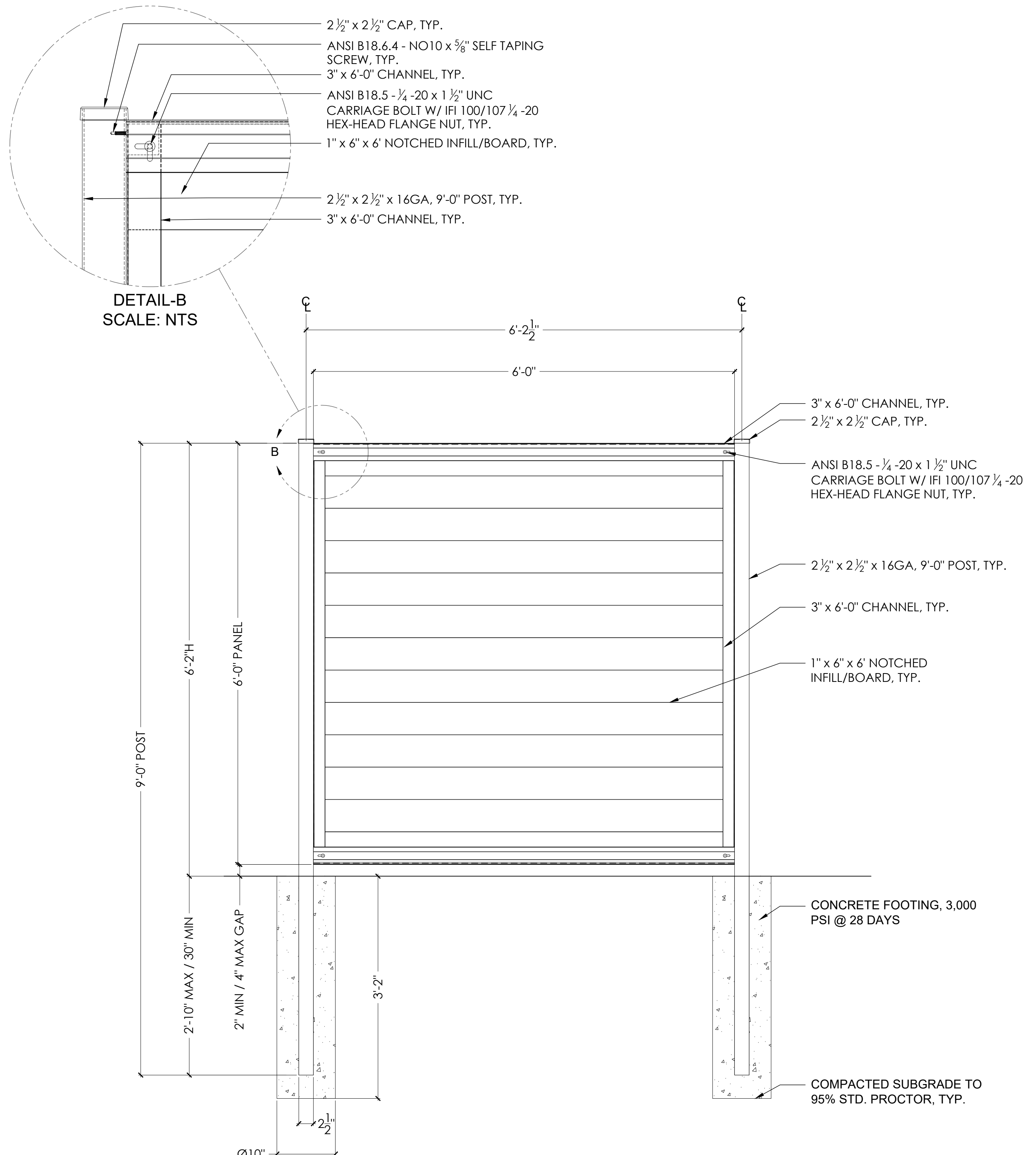
7 CONCRETE ABUTMENT
L7.02 1/2" = 1'-0"



6 WOOD BRIDGE - CROSS SECTION
L7.02 1/2" = 1'-0"

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REV.	OR.	DR.	DATE	DESCRIPTION
0		CE	05/21/2024	ISSUED FOR BID



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IMPORTANT: The footings sizes provided are estimated only. Depending on local conditions, actual engineered concrete footings may be substantially larger than estimates provided herein. Shade Systems is not responsible for actual engineered footings sizes differing from the estimates given or for any additional concrete installation costs which may be incurred by you as a result thereof.

1 PLAN VIEW 5/16" DIA. STAINLESS STEEL CABLE AROUND PERIMETER OF MATERIAL
NOTE: NUMBERS IN CORNERS OF FABRIC INDICATE SAIL ATTACHMENT POINT HEIGHTS FROM FIN. GRD.

	STEEL COLUMN	FOOTER	ANCHOR BOLT SIZE	ANCHOR BOLT LENGTH	NUMBER OF ANCHOR BOLTS
C1/F1	20" DIA. X .375" WALL	54" Ø X 168"	1-1/2" Ø	36"	26
C2/F2	8-5/8" DIA. X .322" WALL	48" Ø X 84"	1" Ø	36"	21
C3/F3	8-5/8" DIA. X .322" WALL	48" Ø X 90"	1" Ø	36"	21
C4/F4	10-3/4" DIA. X .365" WALL	48" Ø X 126"	1" Ø	36"	21
C5/F5	8-5/8" DIA. X .322" WALL	48" Ø X 78"	1" Ø	36"	21
C6/F6	16" DIA. X .375" WALL	54" Ø X 126"	1-1/2" Ø	36"	26

4 FOOTING DETAIL
FILL W/ 2" NON-SHRINK GROUT WITH LEVELING NUTS
#3 HOOPS @ 12" MAX. APART FROM EACH OTHER
F1554 HOT DIP GALV. (HDG) ANCHOR BOLTS GR. 36/55/105
#6 VERTICAL BARS
3" COVER

5 ELECTRICAL BOX DETAIL
6" x 4" STEEL TUBE HAND HOLE ACCESS
NEOPRENE GASKET
FIXTURE COVER PLATE
SS ATTACHMENT SCREWS

Shade Systems
4150 S.W. 19 Street
Ocala, FL 34474
Tel: 1-800-409-4006

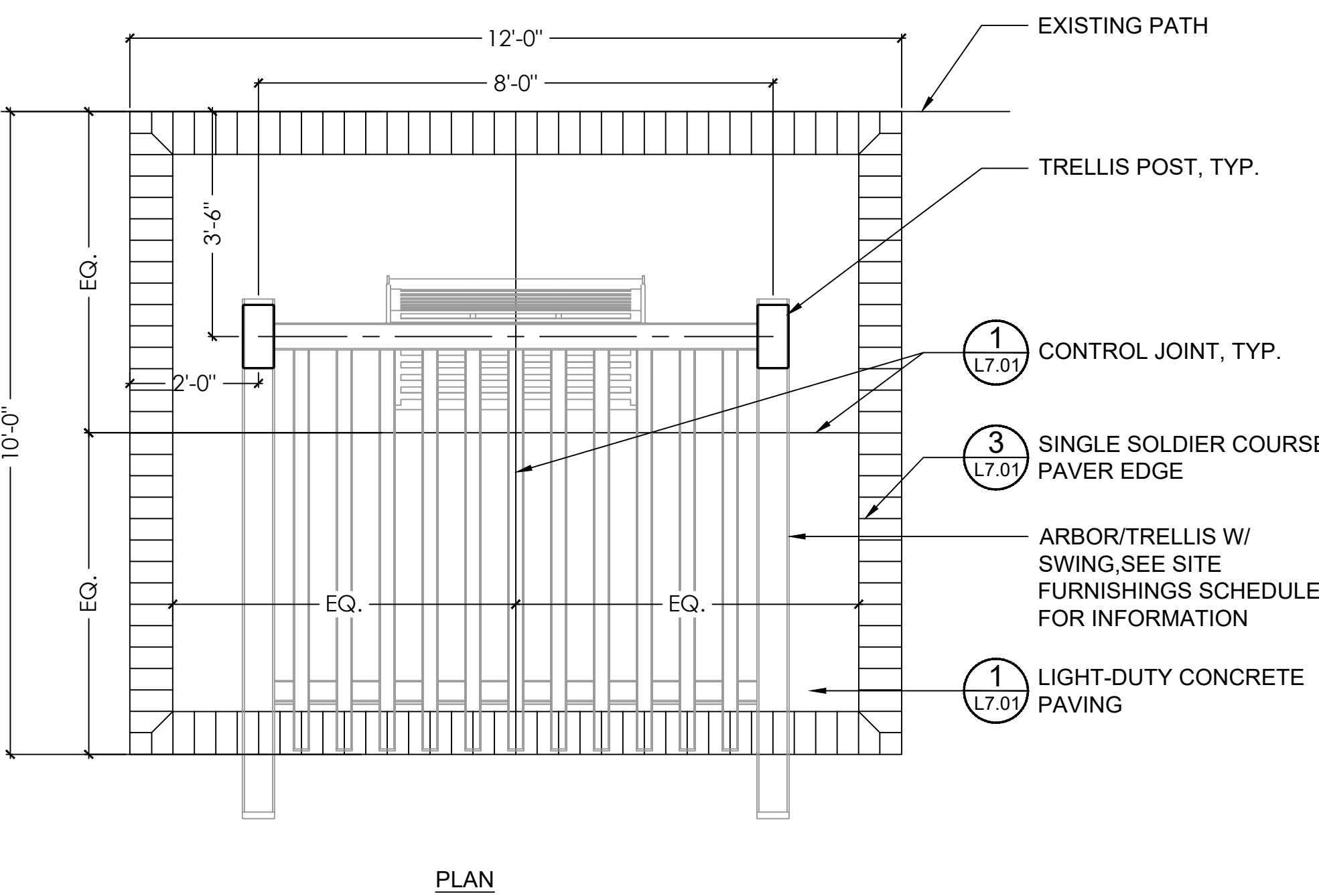
**Tucker Town Green Park
Tucker, GA**

Model Name: CUSTOM SAIL SHADE SYSTEM STRUCTURE
Model No.: SAIL

Approved: JRB Date: 12/19/2023
Checked: MP
Drawn: JB
Date: 12/19/2023

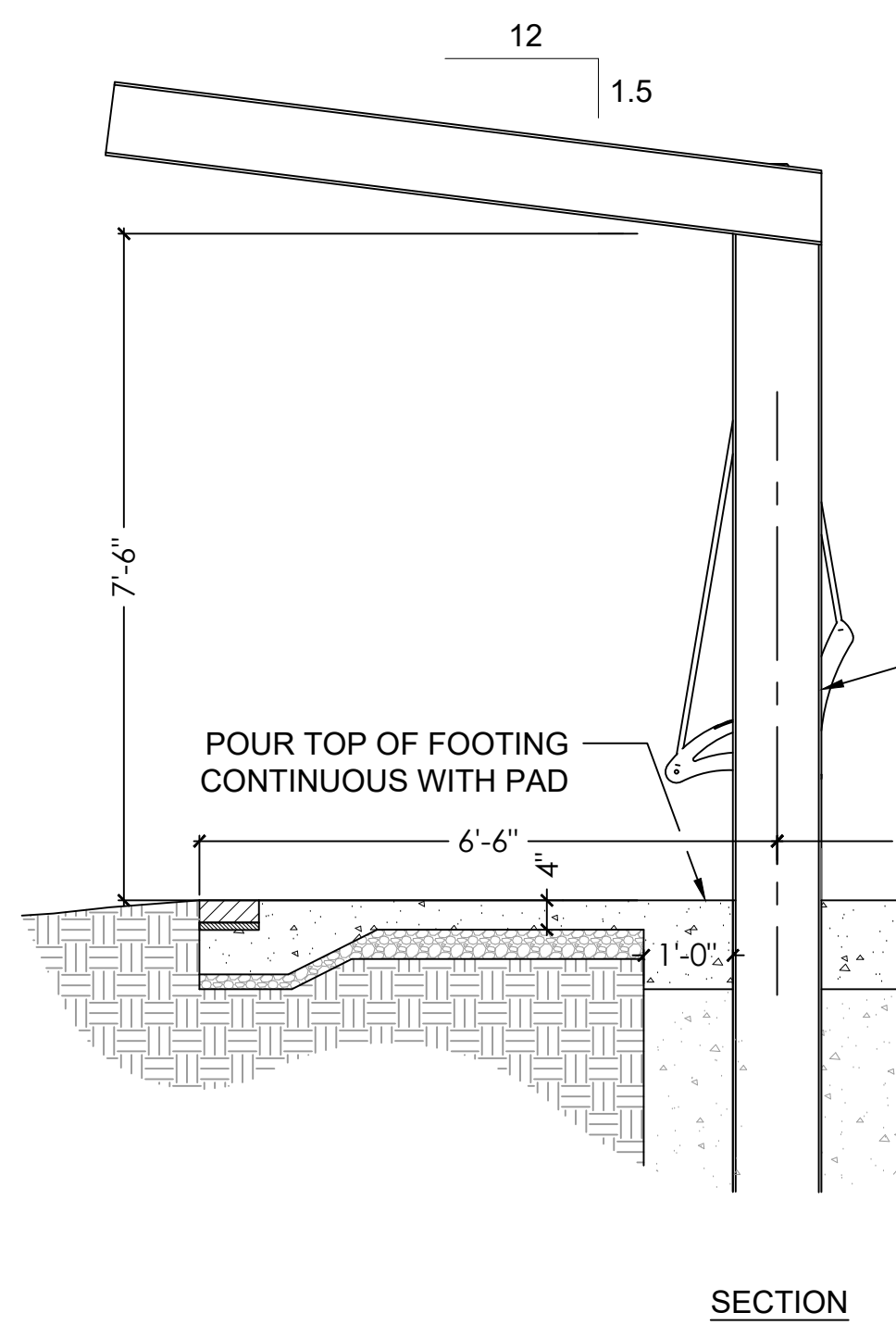
1 ADDITIVE ALTERNATE NO. 1 - SHADE SAILS
SCALE: N.T.S.

- ADDITIVE ALTERNATE NO. 1 NOTES:
- ADDITIVE ALTERNATE NO. 1 SHALL INCLUDE ALL WORK AND MATERIALS ASSOCIATED WITH THE ABOVE GROUND IMPROVEMENTS FOR THE SHADE SAIL STRUCTURES, INCLUDING, BUT NOT LIMITED TO SUPPORT POSTS, SAILS, HARDWARE & FASTENERS, AND LIGHTING.
 - SHADE SAIL FOUNDATIONS AND ELECTRICAL CONDUIT SHALL BE INCLUDED IN THE BASE BID.



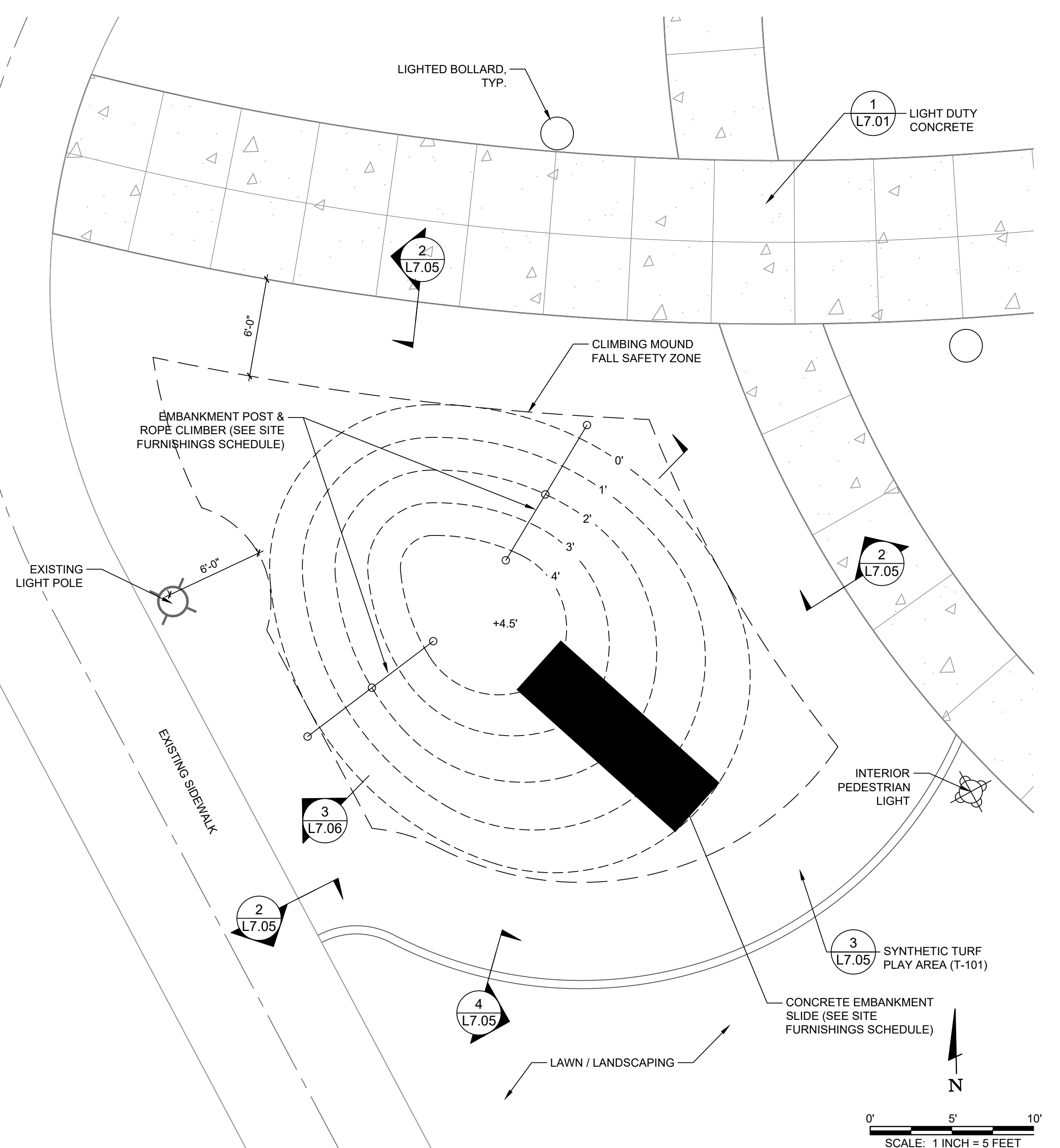
2 ADDITIVE ALTERNATE NO. 2 - ARBOR SWINGS
SCALE: N.T.S.

- ADDITIVE ALTERNATE NO. 2 NOTES:
- ADDITIVE ALTERNATE NO. 2 SHALL INCLUDE ALL WORK AND MATERIALS ASSOCIATED WITH THE ARBOR/TRELLIS SUPPORT STRUCTURES, BENCH SWINGS, AND PAVING SHOWN ON THIS DETAIL.



3 ADDITIVE ALTERNATE NO. 3 - CLIMBING MOUND
SCALE: 1" = 5'-0"

- ADDITIVE ALTERNATE NO. 3 NOTES:
- ADDITIVE ALTERNATE NO. 3 SHALL INCLUDE ALL WORK AND MATERIALS ASSOCIATED WITH THE CLIMBING MOUND CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE MOUND STRUCTURE, SYNTHETIC TURF & BASE, CONCRETE CURB/EDGE, CONCRETE SLIDE, AND CLIMBING ROPES.
 - CLIMBING MOUND LAYOUT AND ASSOCIATED EQUIPMENTS ARE SHOWN FOR INTENT ONLY. CLIMBING MOUND SHALL BE APPROX. 5' HIGH WITH A CONCRETE EMBANKMENT SLIDE AND (2) POST & ROPE CLIMBING LADDERS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF CLIMBING MOUND AND EQUIPMENT WITH SPECIFIED MATERIALS, SIZES, SPACING AND LAYOUT, AND SIZING AND LOCATIONS FOR ALL STRUCTURAL ELEMENTS FOR REVIEW.
 - INSTALL PRE-ENGINEERED STRUCTURES TO COMPLY WITH MANUFACTURER'S INSTALLATION DETAILS TO MAINTAIN WARRANTY AS SPECIFIED.
 - SYNTHETIC TURF SYSTEM SHALL BE SUITABLE FOR OR DESIGNED FOR PLAYGROUND USE AND SHALL PROVIDE NECESSARY FALL SAFETY REQUIREMENTS.



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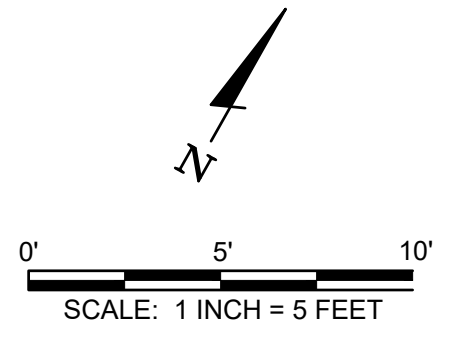
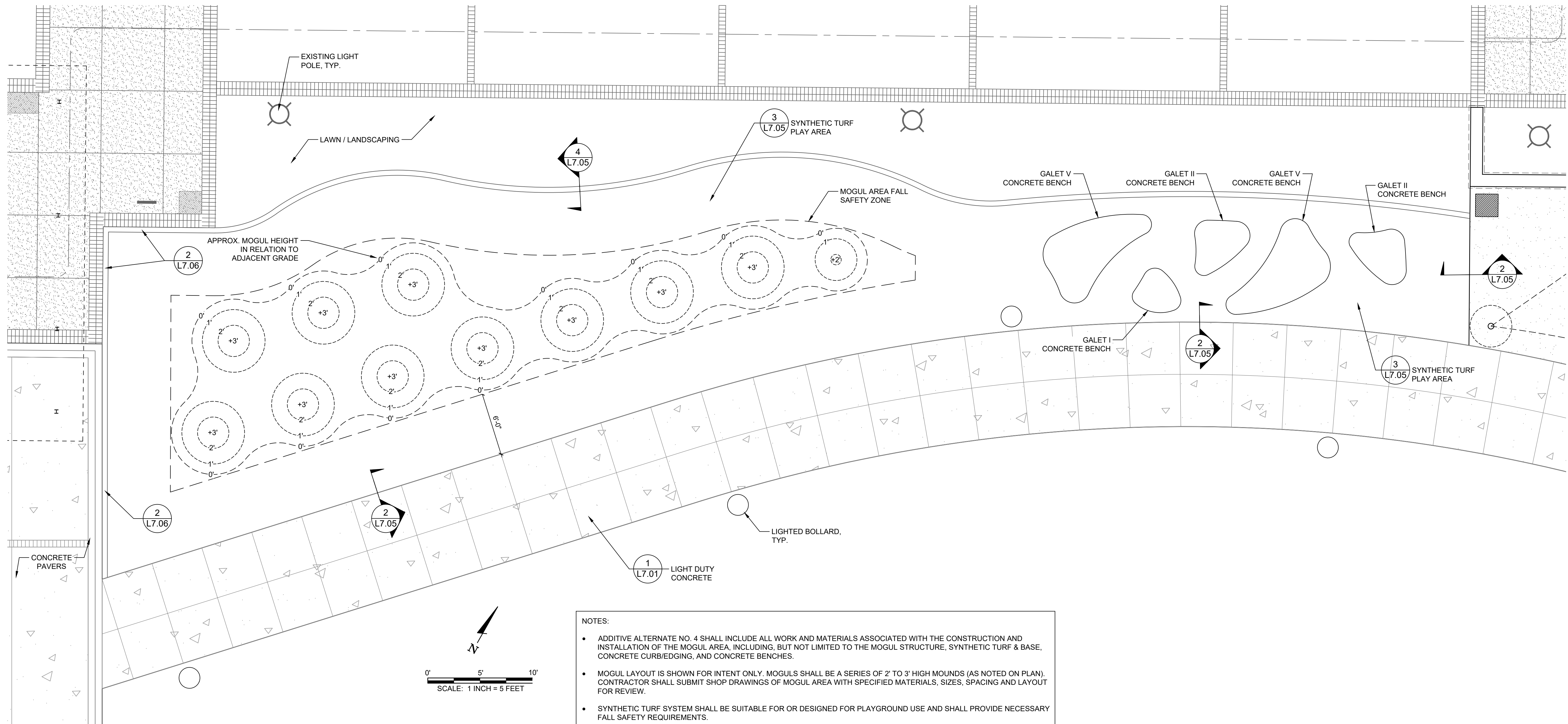
REGISTERED PROFESSIONAL ENGINEER
No. 1177
IGAN K. CARR
06/21/2024
PE LICENSE NO. 1177

SITE DETAILS
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	DR.	DATE	DESCRIPTION	ISSUED FOR BID
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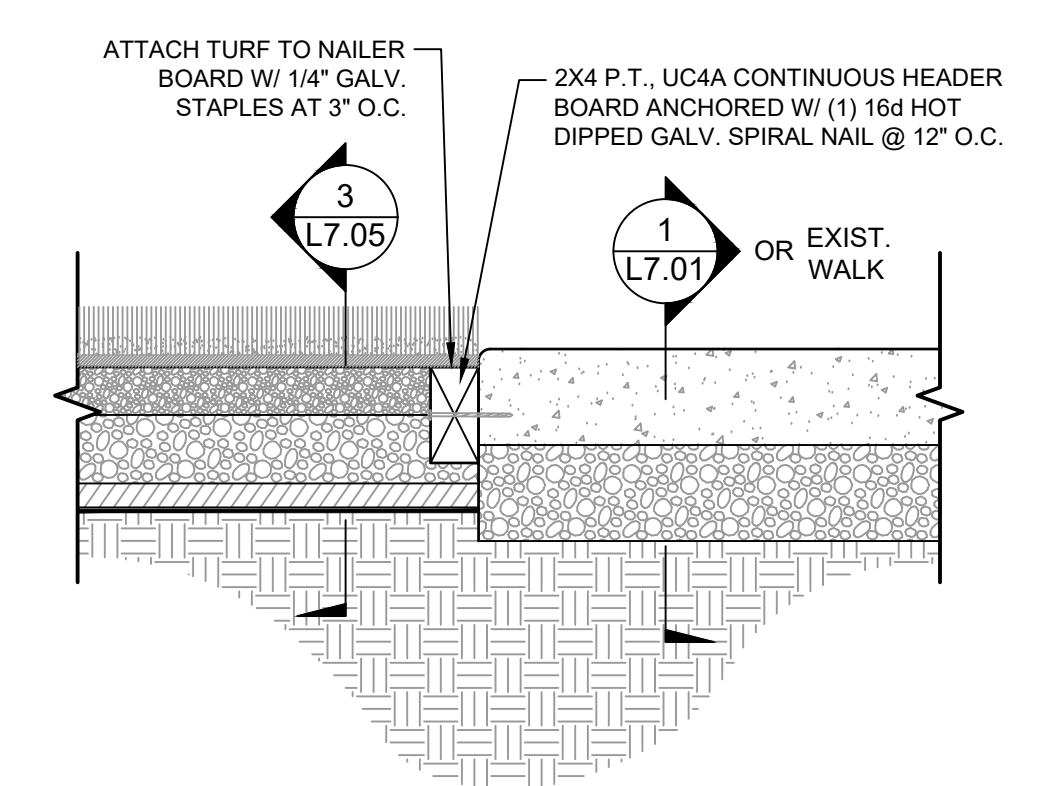
L7.04
PROJ. NO. : 3808805

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PLOTTED:5/20/24



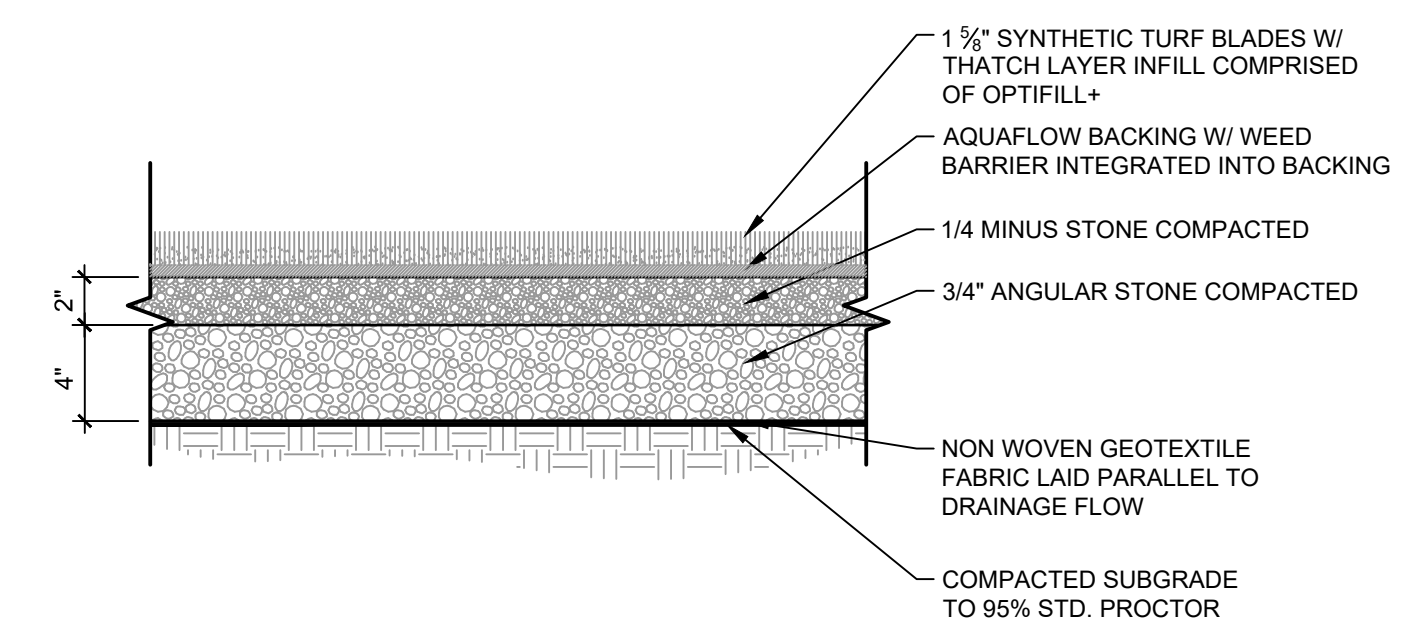
- NOTES:
- ADDITIVE ALTERNATE NO. 4 SHALL INCLUDE ALL WORK AND MATERIALS ASSOCIATED WITH THE CONSTRUCTION AND INSTALLATION OF THE MOGUL AREA, INCLUDING, BUT NOT LIMITED TO THE MOGUL STRUCTURE, SYNTHETIC TURF & BASE, CONCRETE CURB/EDGING, AND CONCRETE BENCHES.
 - MOGUL LAYOUT IS SHOWN FOR INTENT ONLY. MOGULS SHALL BE A SERIES OF 2' TO 3' HIGH MOUNDS (AS NOTED ON PLAN). CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF MOGUL AREA WITH SPECIFIED MATERIALS, SIZES, SPACING AND LAYOUT FOR REVIEW.
 - SYNTHETIC TURF SYSTEM SHALL BE SUITABLE FOR OR DESIGNED FOR PLAYGROUND USE AND SHALL PROVIDE NECESSARY FALL SAFETY REQUIREMENTS.
 - SEE SITE FURNISHINGS SCHEDULE ON SHEET L7.00 FOR GALET COLLECTION CONCRETE BENCH INFORMATION.

1 ADDITIVE ALTERNATE NO. 4 - MOGUL AREA
L7.05 1" = 5'-0"

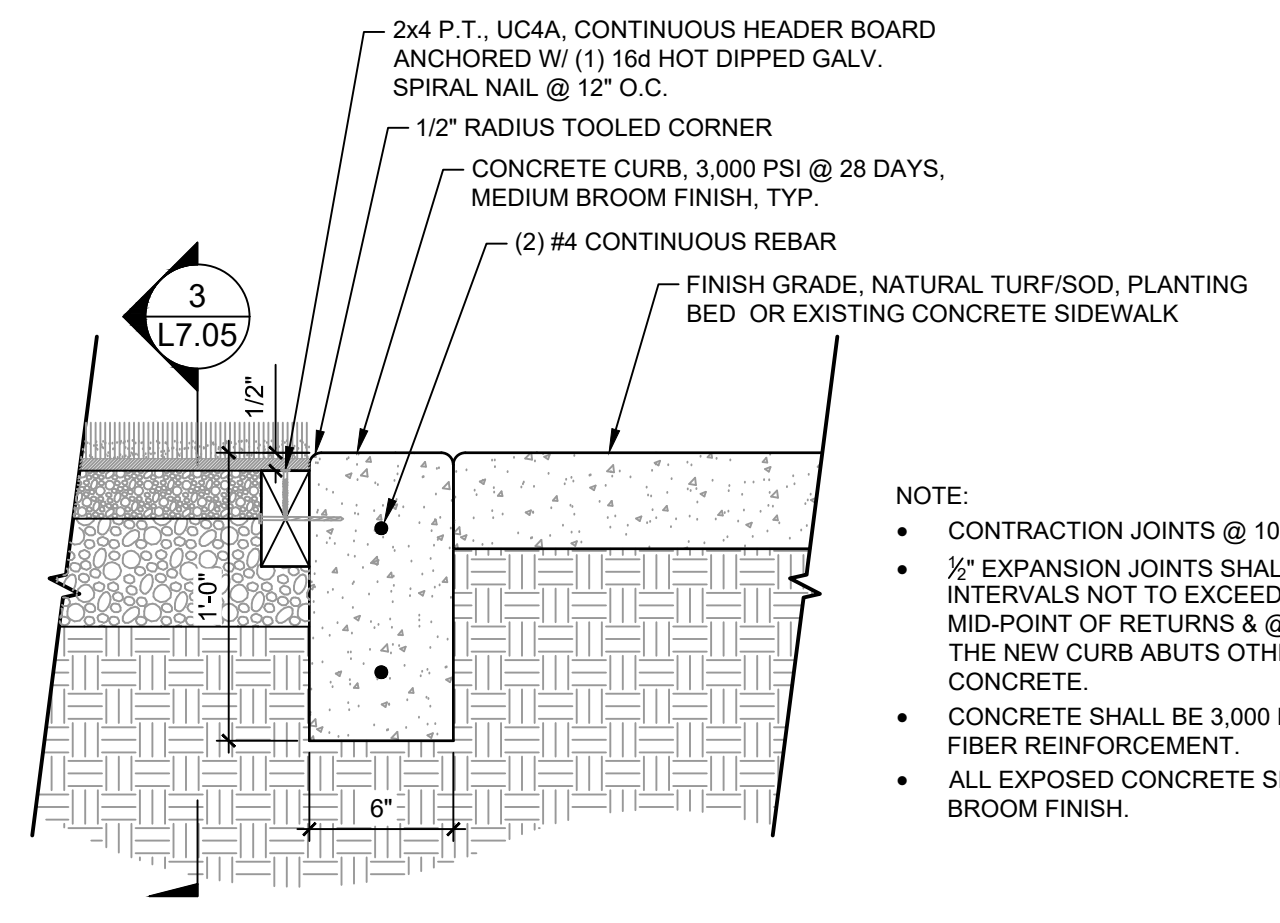


NOTE:
1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY A/E IF NAILER BOARD CAN NOT BE ATTACHED TO EXISTING CONCRETE.

2 SYNTHETIC TURF - CONCRETE EDGE BAND/SIDEWALK
L7.05 1 1/2" = 1'-0"



3 SYNTHETIC TURF - OPEN PLAY AREA
L7.05 1 1/2" = 1'-0"



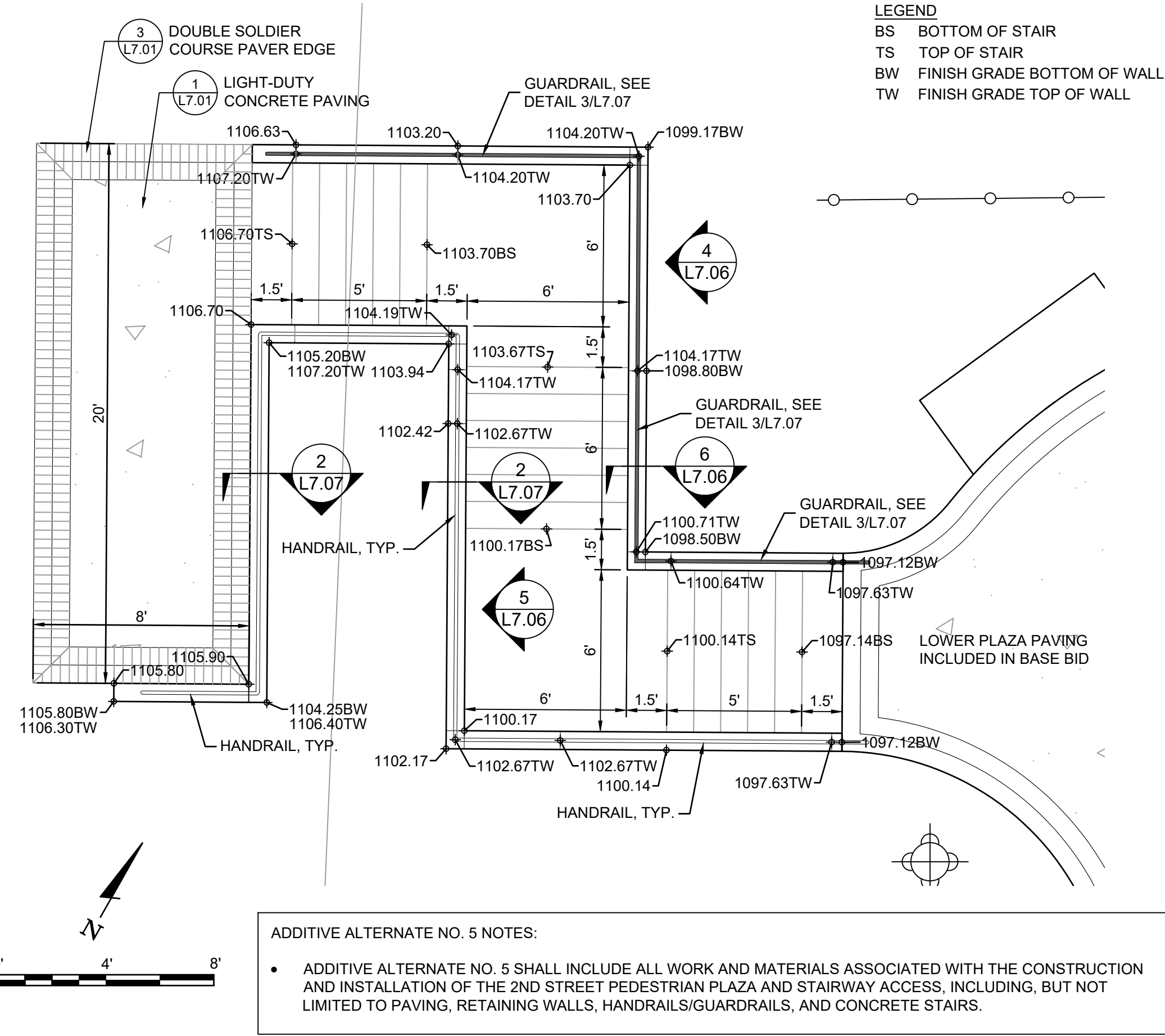
NOTE:
• CONTRACTION JOINTS @ 10' O.C. MAXIMUM
• 1/2" EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50' @ THE ENDS AND MID-POINT OF RETURNS & @ ANY POINT WHERE THE NEW CURB ABUTS OTHER PROPOSED CONCRETE.
• CONCRETE SHALL BE 3,000 P.S.I. @ 28 DAYS W/ FIBER REINFORCEMENT.
• ALL EXPOSED CONCRETE SHALL HAVE MEDIUM BROOM FINISH.

4 HEADER CURB @ SYNTHETIC TURF
L7.05 1 1/2" = 1'-0"

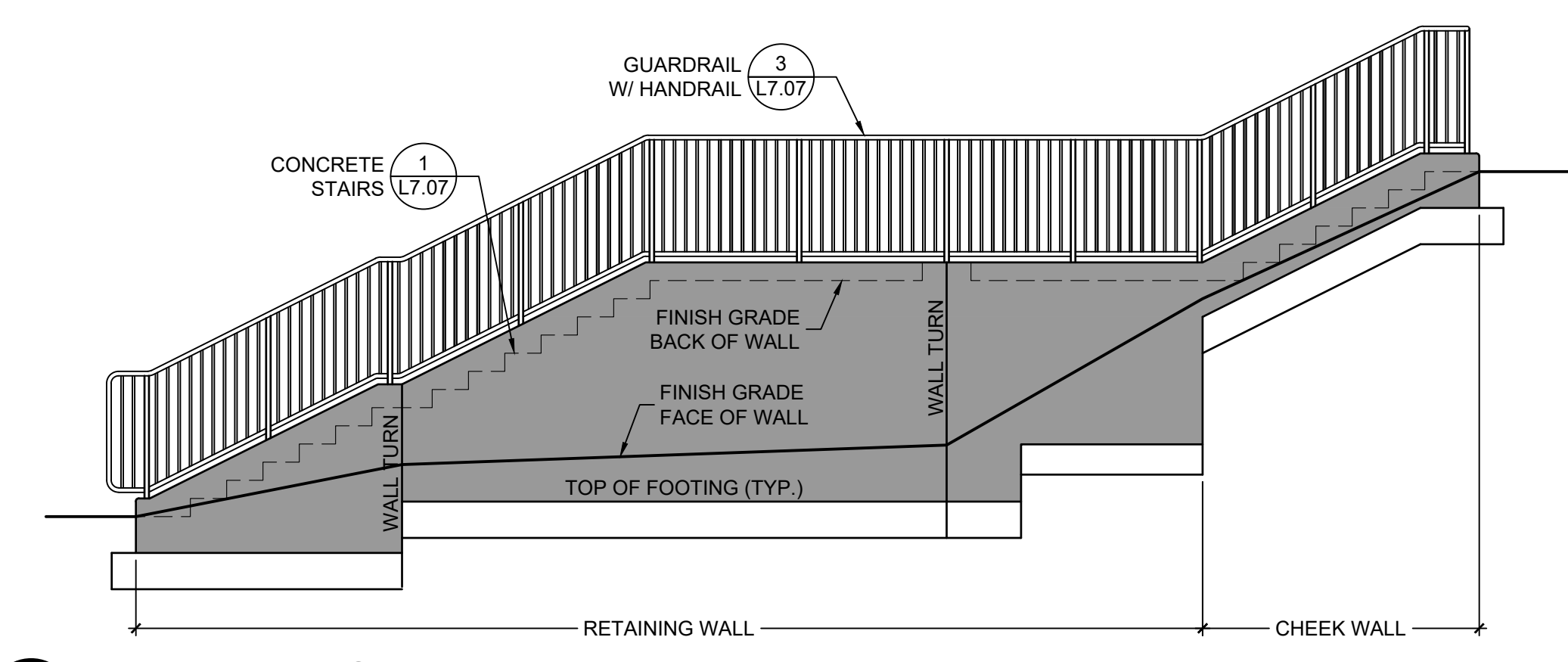
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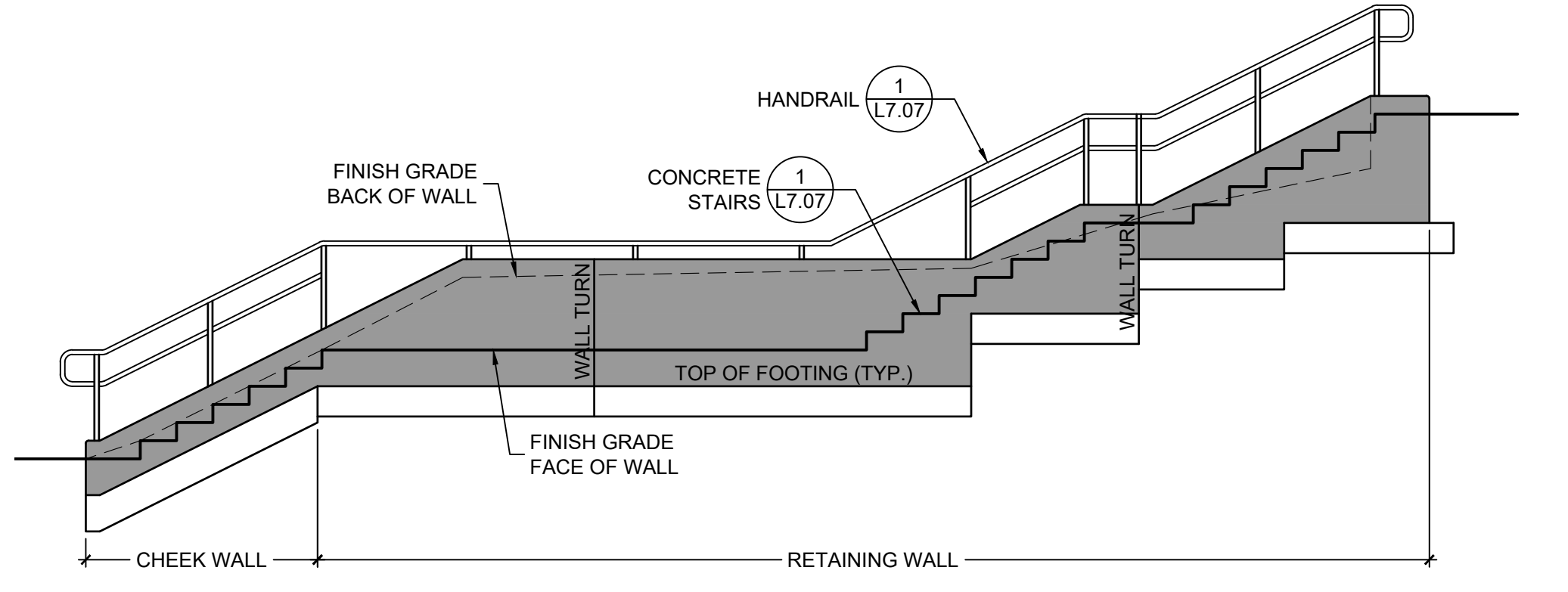
REV.	OR.	DATE	DESCRIPTION
0	CE	05/21/2024	ISSUED FOR BID



1 2ND STREET ENTRANCE - ADDITIVE ALTERNATE NO. 5
 L7.06 1/4" = 1'-0"



4 WALL ELEVATION
 L7.06 1/4" = 1'-0"

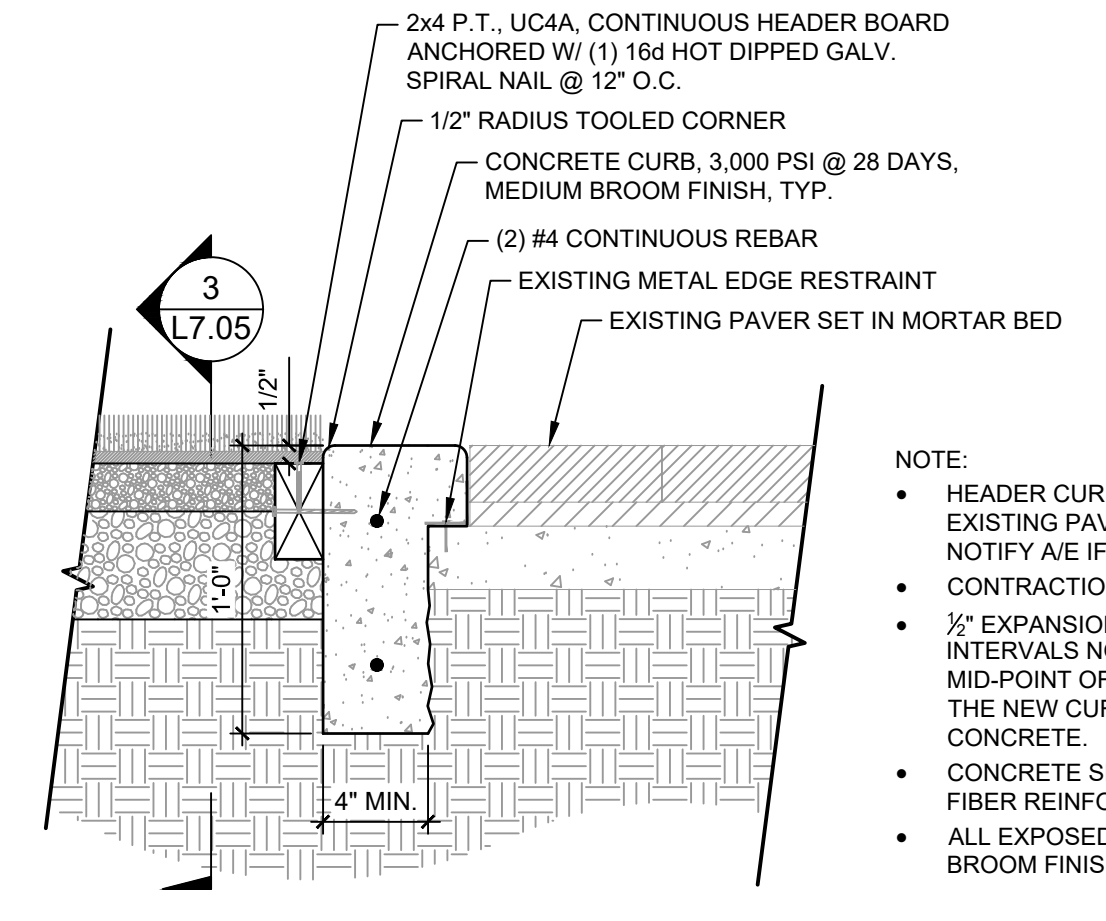


5 WALL ELEVATION
 L7.06 1/4" = 1'-0"

LEGEND
 BS BOTTOM OF STAIR
 TS TOP OF STAIR
 BW FINISH GRADE BOTTOM OF WALL
 TW FINISH GRADE TOP OF WALL

ADDITIVE ALTERNATE NO. 5 NOTES:

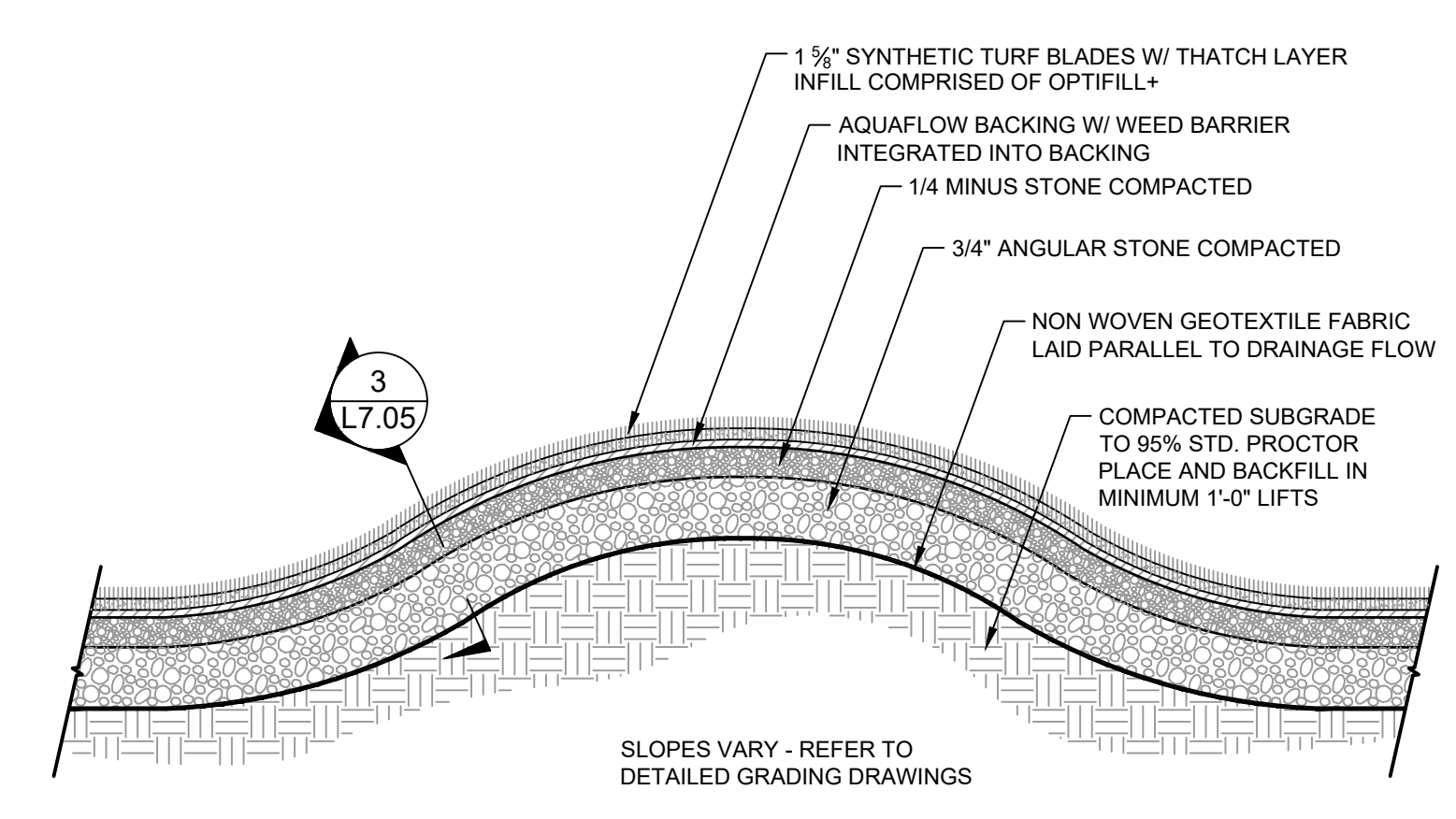
- ADDITIVE ALTERNATE NO. 5 SHALL INCLUDE ALL WORK AND MATERIALS ASSOCIATED WITH THE CONSTRUCTION AND INSTALLATION OF THE 2ND STREET PEDESTRIAN PLAZA AND STAIRWAY ACCESS, INCLUDING, BUT NOT LIMITED TO PAVING, RETAINING WALLS, HANDRAILS/GUARDRAILS, AND CONCRETE STAIRS.



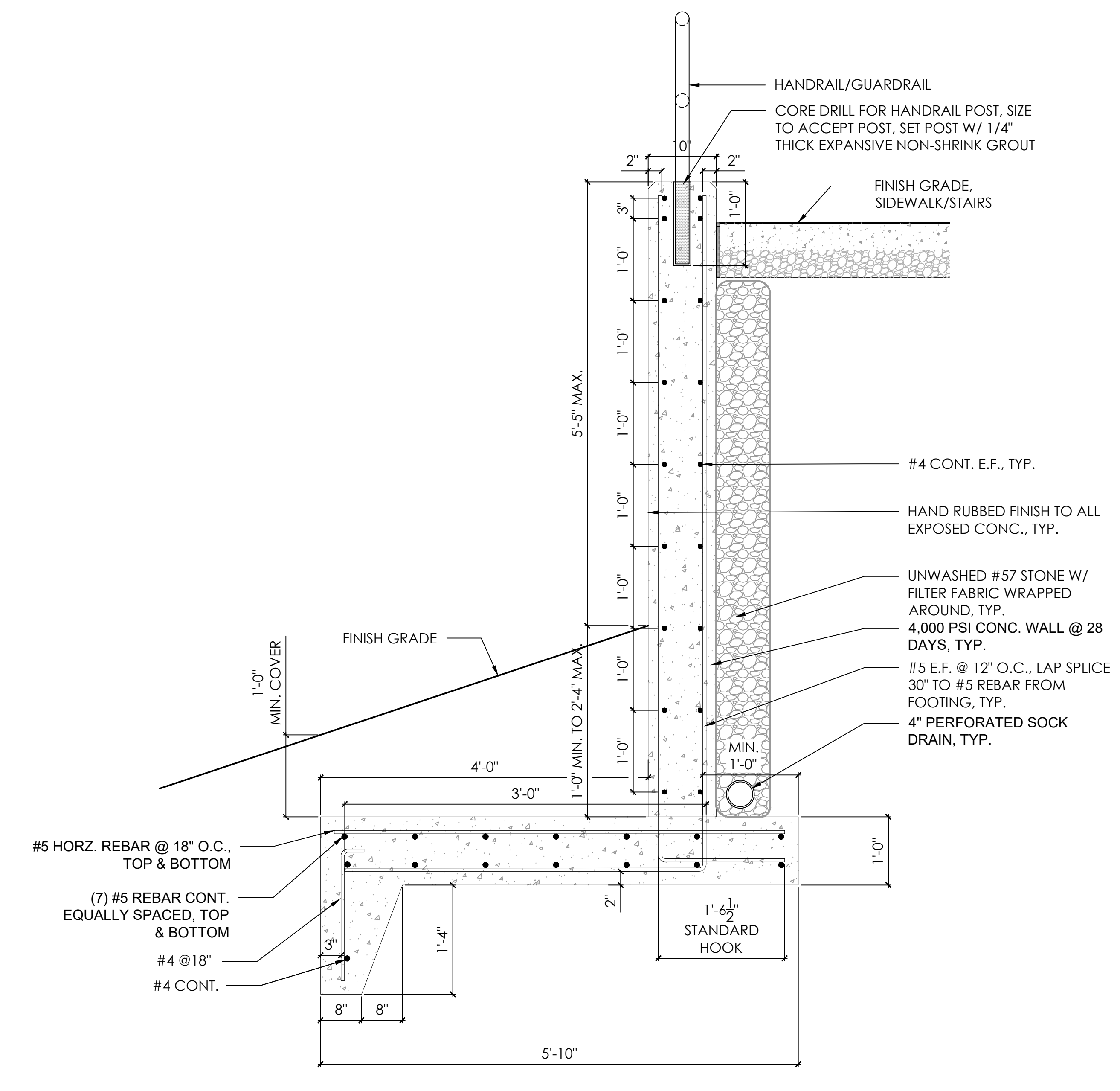
2 HEADER CURB @ EXISTING PAVEMENT
 L7.06 1 1/2" = 1'-0"

NOTE:

- HEADER CURB SHALL BE POURED AROUND EXISTING PAVEMENT EDGE. CONTRACTOR SHALL NOTIFY A/E IF CONDITIONS WILL NOT ALLOW.
- CONTRACTION JOINTS @ 10' O.C. MAXIMUM
- 1/2" EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50' @ THE ENDS AND MID-POINT OF RETURNS & @ ANY POINT WHERE THE NEW CURB ABUTS OTHER PROPOSED CONCRETE.
- CONCRETE SHALL BE 3,000 P.S.I. @ 28 DAYS W/ FIBER REINFORCEMENT.
- ALL EXPOSED CONCRETE SHALL HAVE MEDIUM BROOM FINISH.

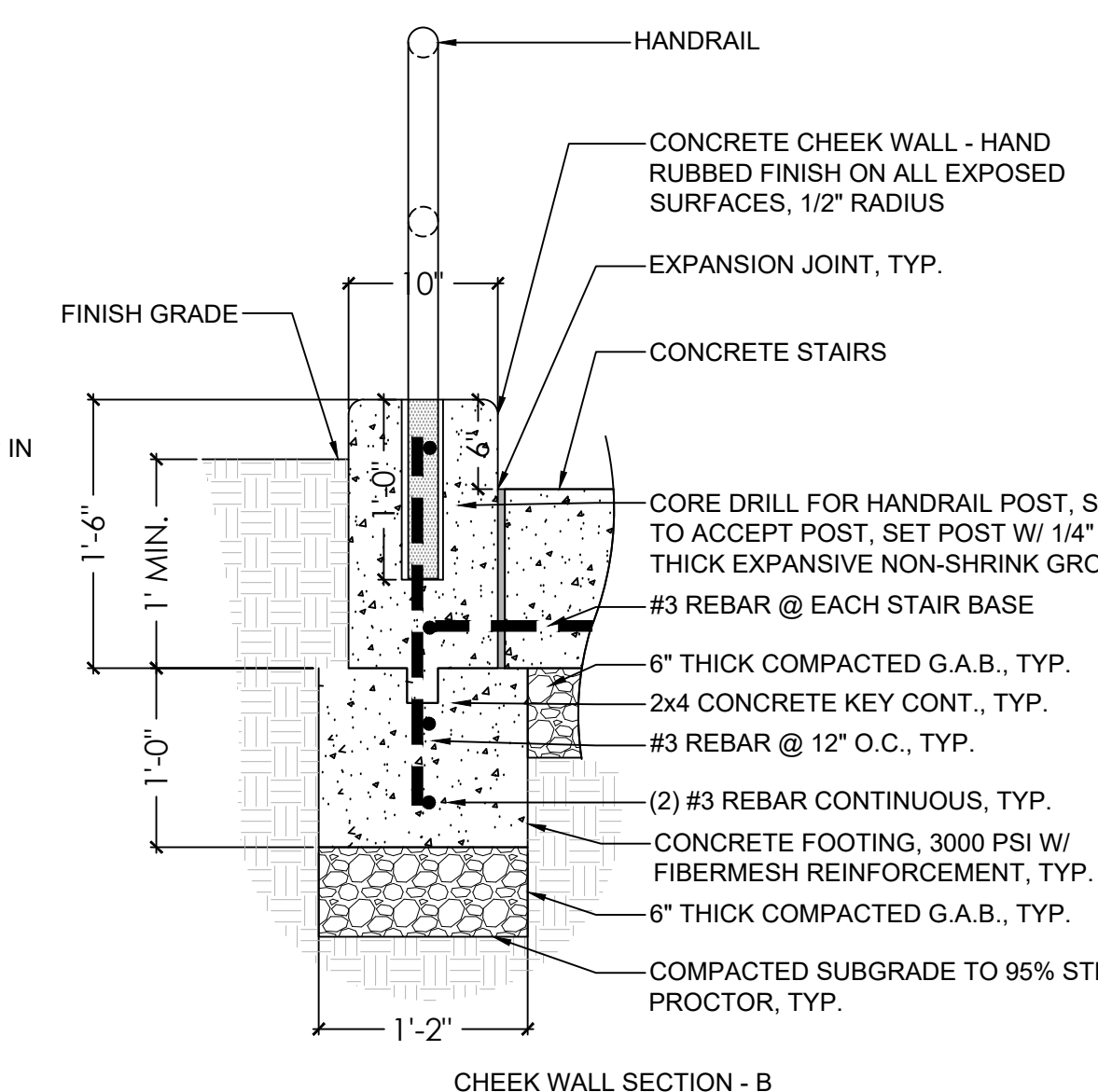
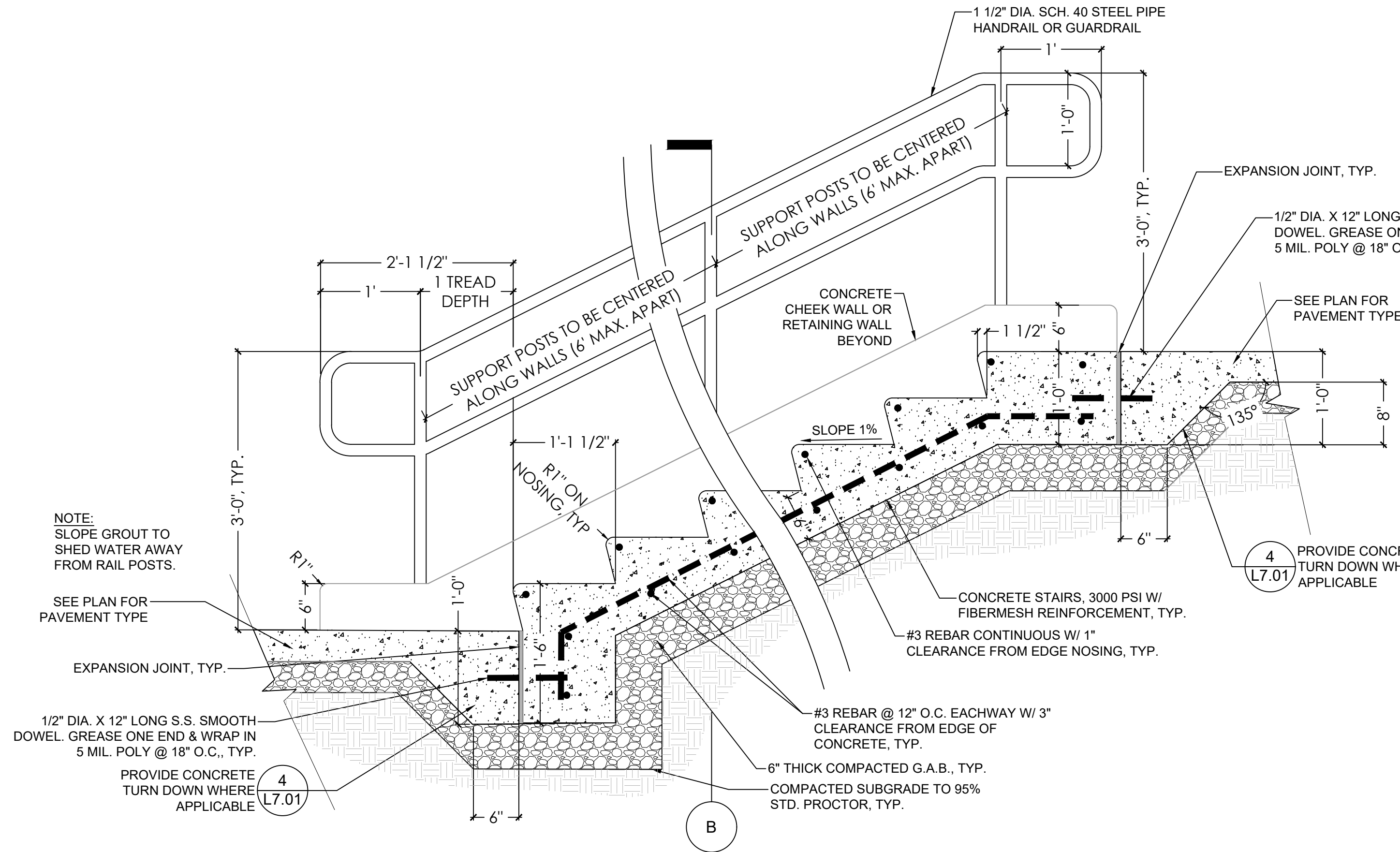


3 MOUND / BERM - SECTION
 L7.06 1" = 1'-0"



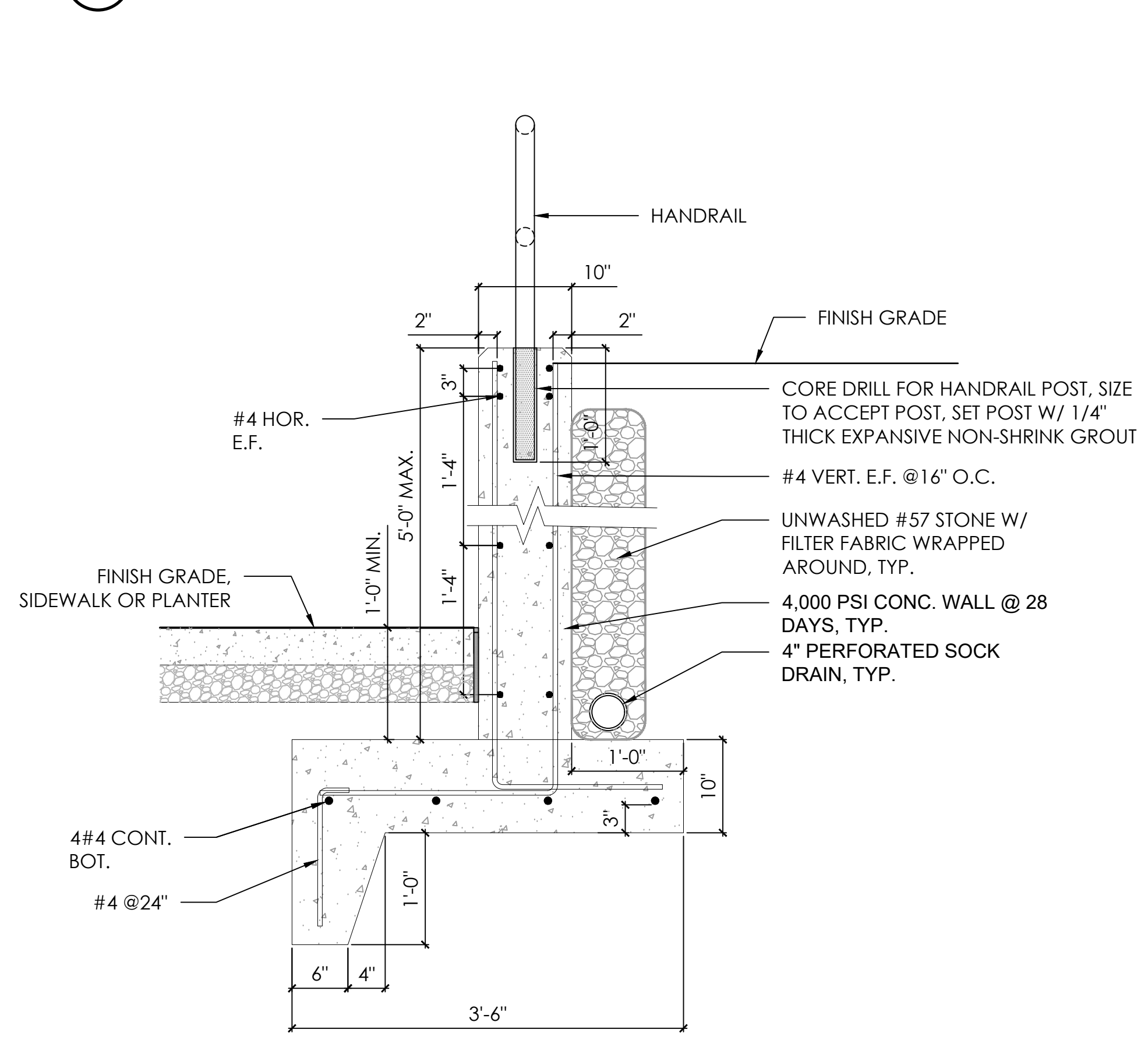
6 RETAINING WALL - 7'-9" MAX. HEIGHT
 L7.06 1" = 1'-0"



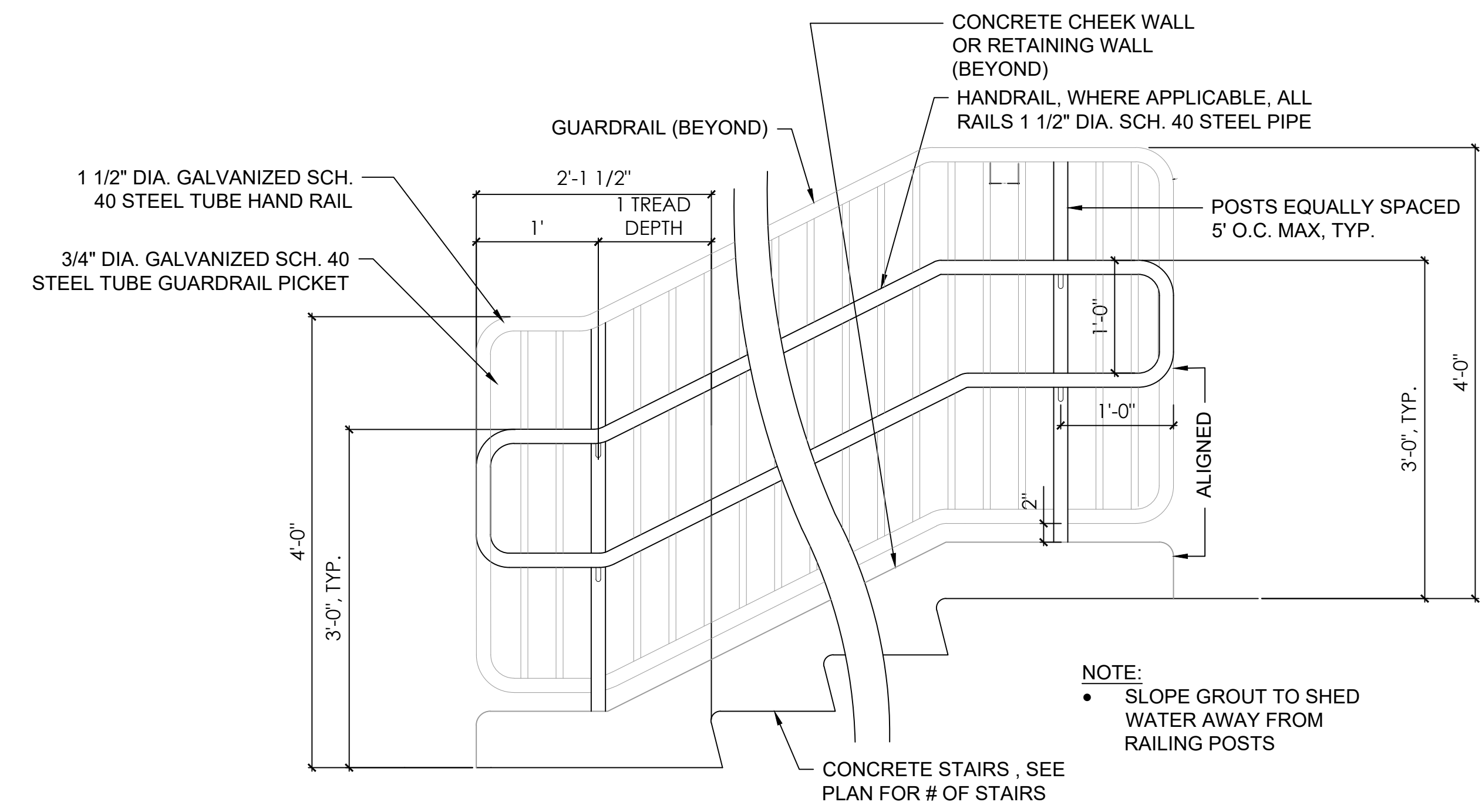


- HANDRAIL NOTES:**
- CONTRACTOR SHALL SUPPLY SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE'S APPROVAL
 - ALL HANDRAILS ARE 36" TO TOP OF RAIL
 - ALL RAILS SHALL COMPLY W/ CURRENT ADA REQUIREMENTS.
 - ALL CORNERS TO HAVE MIN. 4" RADIUS
 - RAILS SHALL BE 1 1/2" DIAMETER SCHEDULE 40
 - GRIND ALL WELDS SMOOTH W/ NO BARBS
 - RAILS SHALL BE SHOP PRIMED WITH 1 COAT OF SHERWIN WILLIAMS KEM KROMIK UNIVERSAL METAL PRIMER B50N26. PRIME PER THE MANUFACTURER'S MAXIMUM RECOMMENDED SPREAD RATE PER COAT.
 - RAILS SHALL BE PAINTED BLACK WITH 2 COATS OF SHERWIN WILLIAMS INDUSTRIAL ENAMEL PAINT B54B11. PAINT PER THE MANUFACTURER'S MAXIMUM RECOMMENDED SPREAD RATE PER COAT.
 - INTERMEDIATE SUPPORT POSTS SHALL BE 6' O.C. MAX. AND UNIFORMLY SPACED.
 - TOP OF GROUT FOR POST SHALL BE ABOVE PAVEMENT LEVEL AND SLOPED TO SHED WATER AWAY FROM POST. GROUT SHALL MATCH THE FINISH GRADE COLOR.

1 CONCRETE STAIRS W/ HANDRAIL AND CHEEKWALL
L7.07 1" = 1'-0"

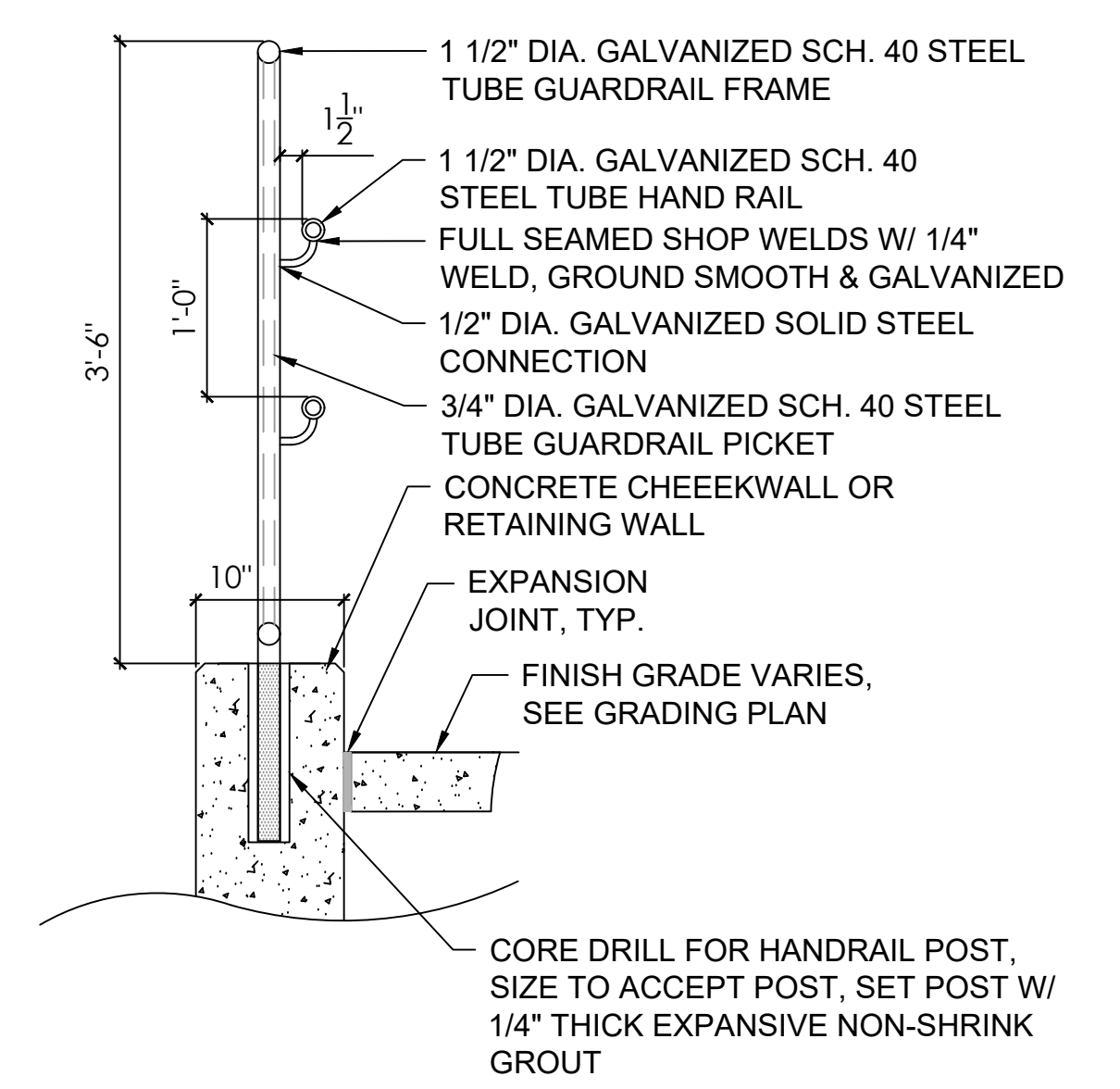


2 RETAINING WALL - 5'-0" MAX. HEIGHT
L7.07 1" = 1'-0"



- GUARDRAIL NOTES:**
- CONTRACTOR SHALL SUPPLY SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE'S APPROVAL
 - ALL HANDRAILS ARE 36" TO TOP OF RAIL
 - ALL RAILS SHALL COMPLY W/ CURRENT ADA REQUIREMENTS.
 - ALL CORNERS TO HAVE MIN. 4" RADIUS
 - RAILS SHALL BE 1 1/2" DIAMETER SCHEDULE 40
 - GRIND ALL WELDS SMOOTH W/ NO BARBS
 - RAILS SHALL BE SHOP PRIMED WITH 1 COAT OF SHERWIN WILLIAMS KEM KROMIK UNIVERSAL METAL PRIMER B50N26. PRIME PER THE MANUFACTURER'S MAXIMUM RECOMMENDED SPREAD RATE PER COAT.
 - RAILS SHALL BE PAINTED BLACK WITH 2 COATS OF SHERWIN WILLIAMS INDUSTRIAL ENAMEL PAINT B54B11. PAINT PER THE MANUFACTURER'S MAXIMUM RECOMMENDED SPREAD RATE PER COAT.
 - INTERMEDIATE SUPPORT POSTS SHALL BE 5' O.C. MAX. AND UNIFORMLY SPACED.
 - TOP OF GROUT FOR POST SHALL BE ABOVE PAVEMENT LEVEL AND SLOPED TO SHED WATER AWAY FROM POST. GROUT SHALL MATCH THE FINISH GRADE COLOR.

3 GUARDRAIL
L7.07 1" = 1'-0"



SITE DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

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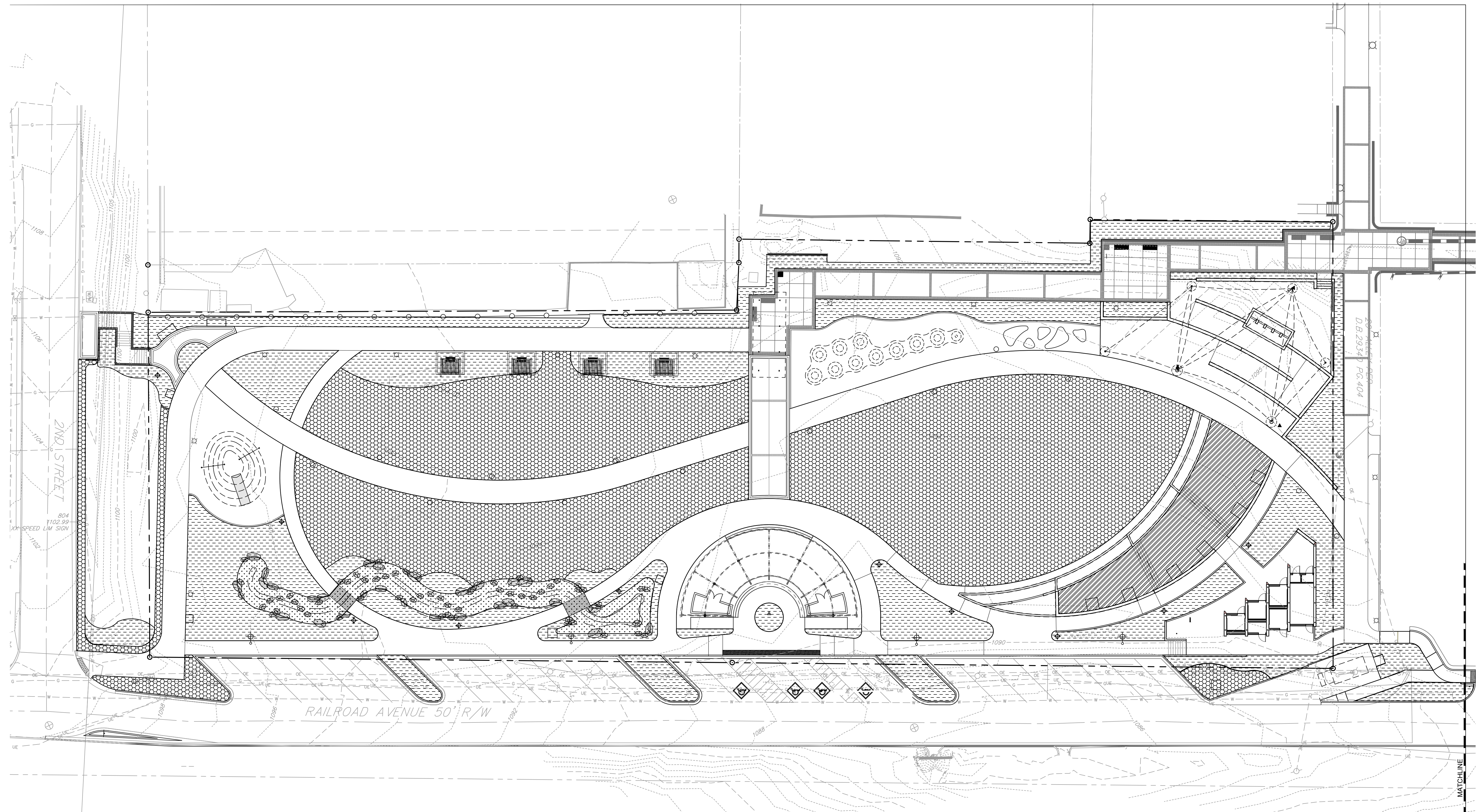
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L7.07

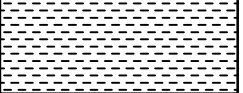
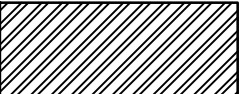

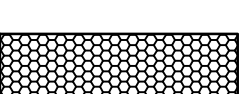
PROJ. NO. : 3808805

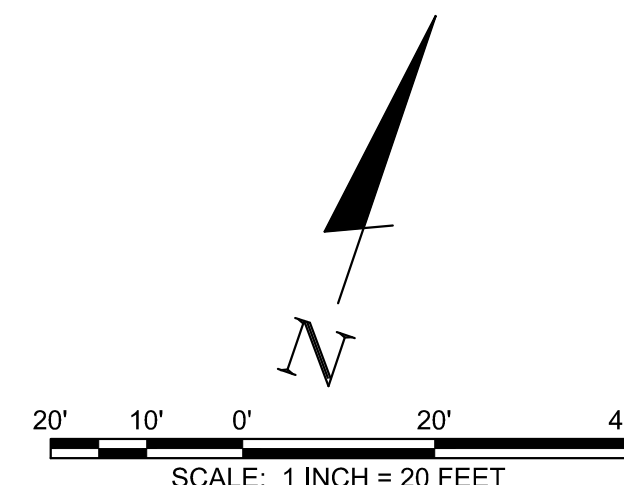
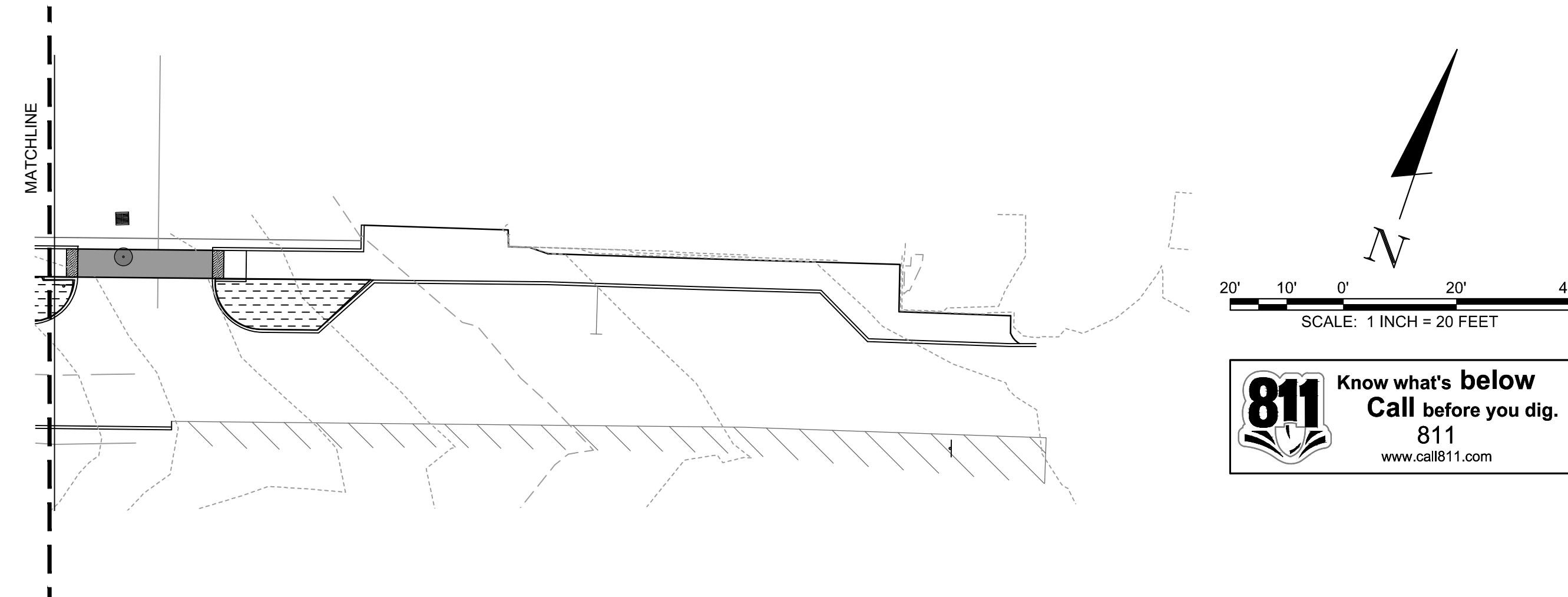
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USER:RKCARR
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 SAVED:5/7/2024
 PLOTTED:5/7/2024



SOILS LEGEND

-  LANDSCAPE SOILS MIX
-  PERMEABLE PAVER BASE
-  BIO-RETENTION SOIL MIX
-  NATURAL TURF SOIL



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SOILS PLAN

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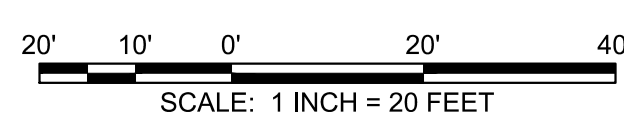
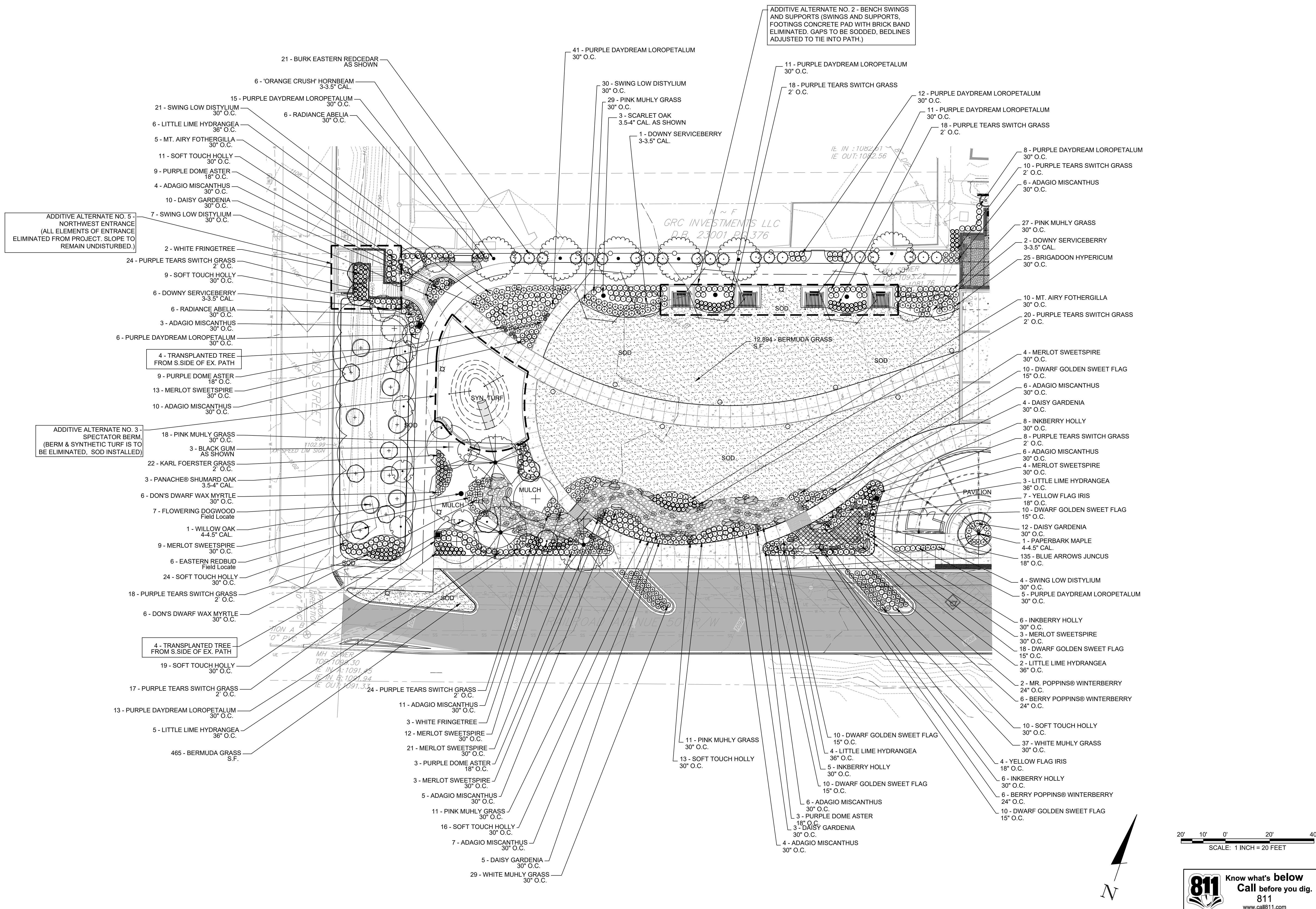


PLANTING PLAN - WEST
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

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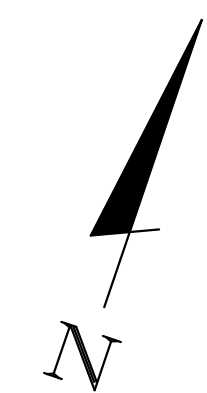
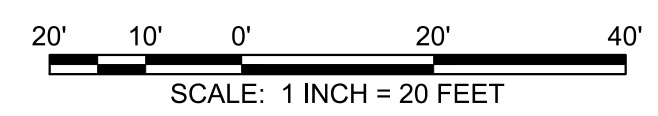
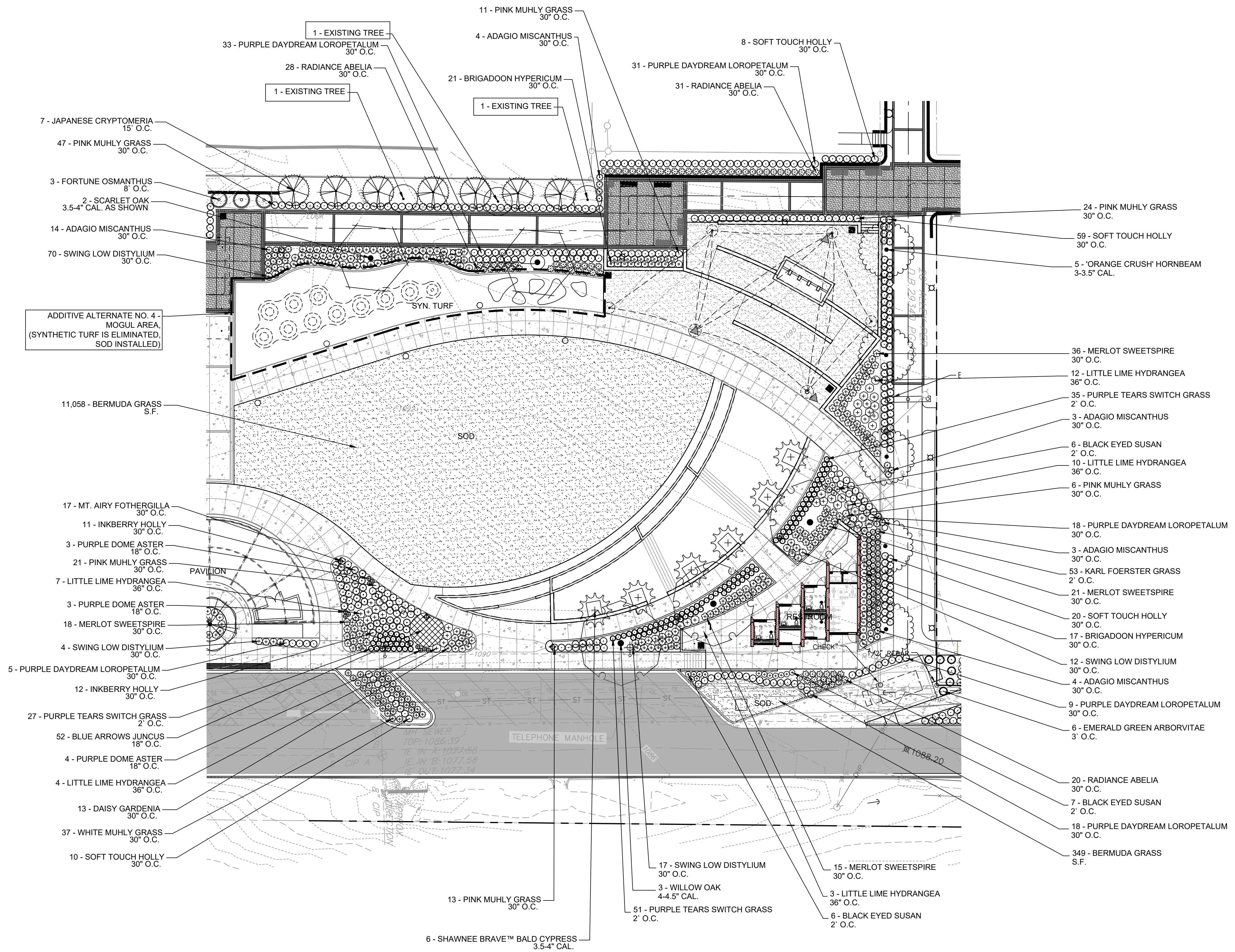


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PLOTTED: 5/7/2024



PLANTING PLAN - EAST
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TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



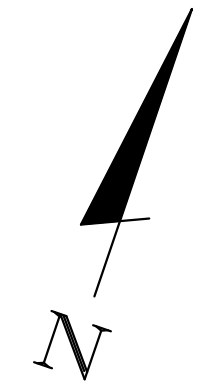
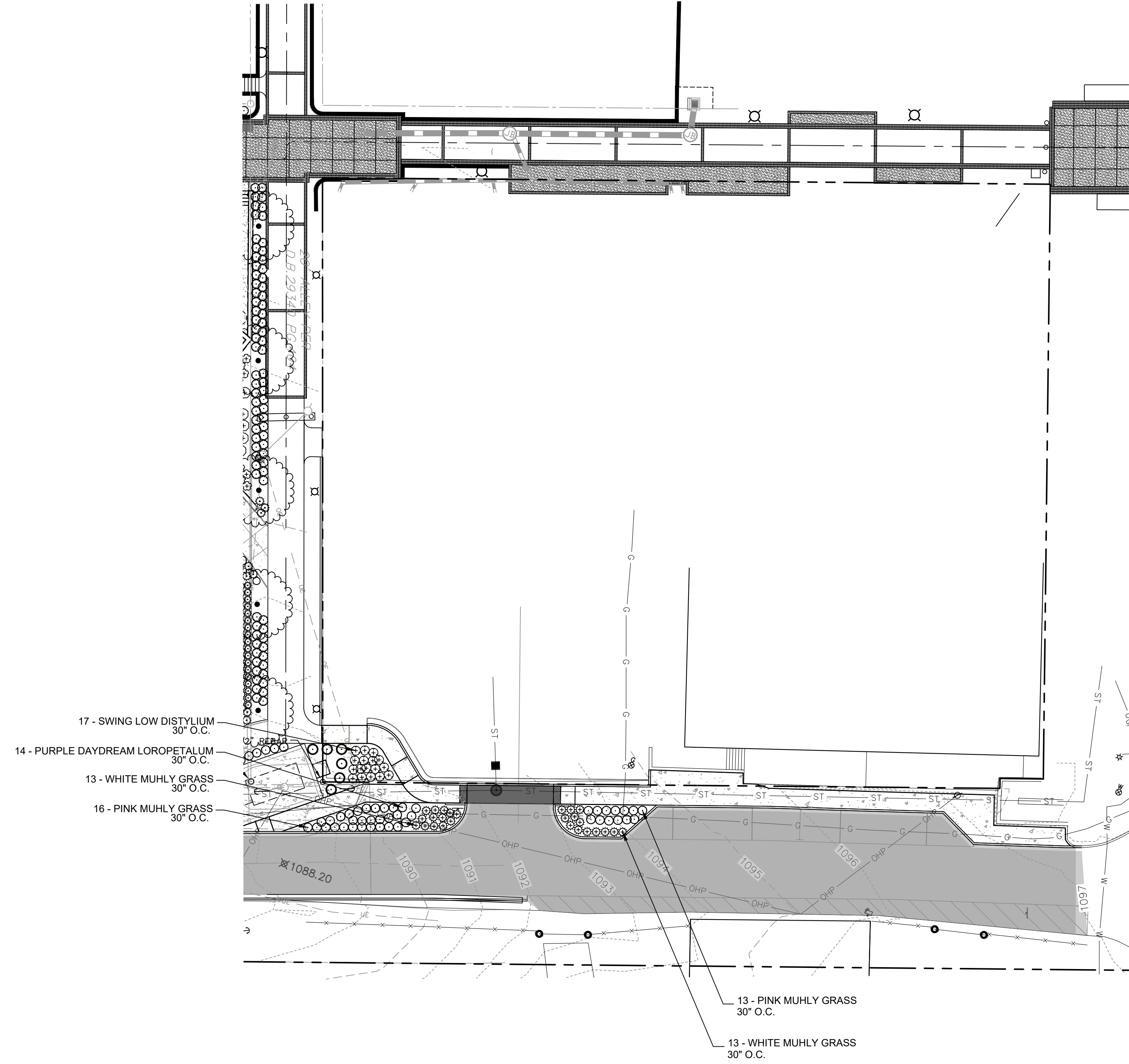
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 FILE:F:\381808805\CADLAND\PL013808805_Landscape Plant.dwg
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 PLOTTED:5/7/2024



20' 10' 0' 20' 40'
 SCALE: 1 INCH = 20 FEET

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PLANTING PLAN - SIDEWALK EXTENSION
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084



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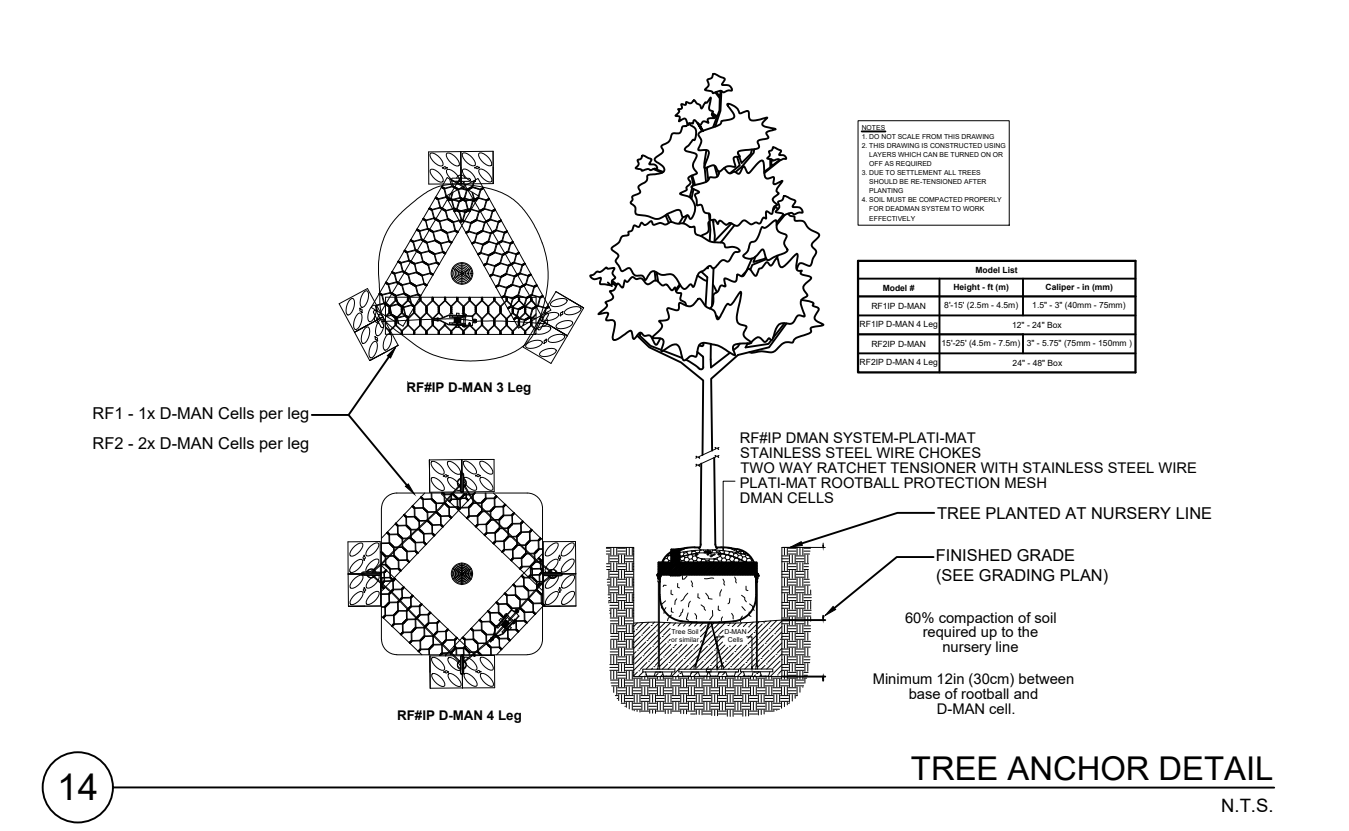
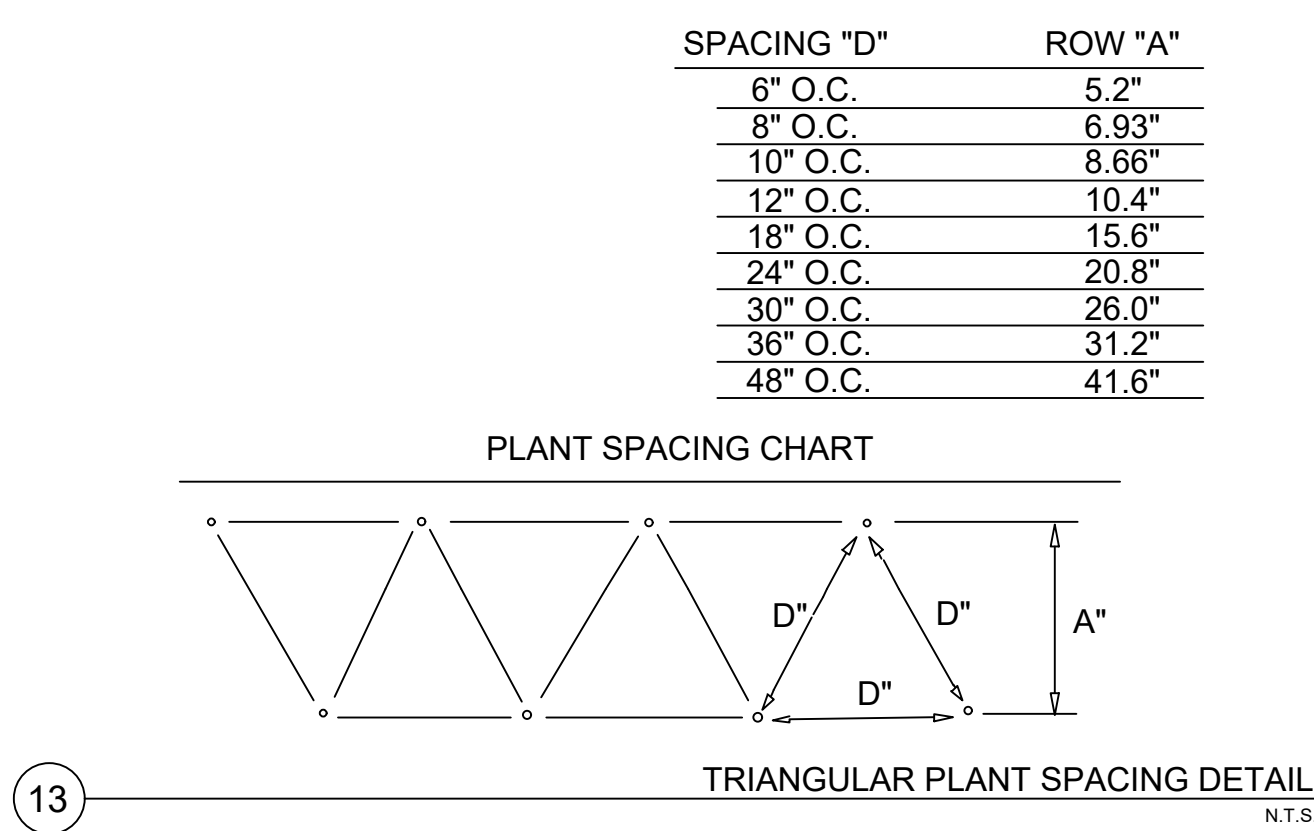
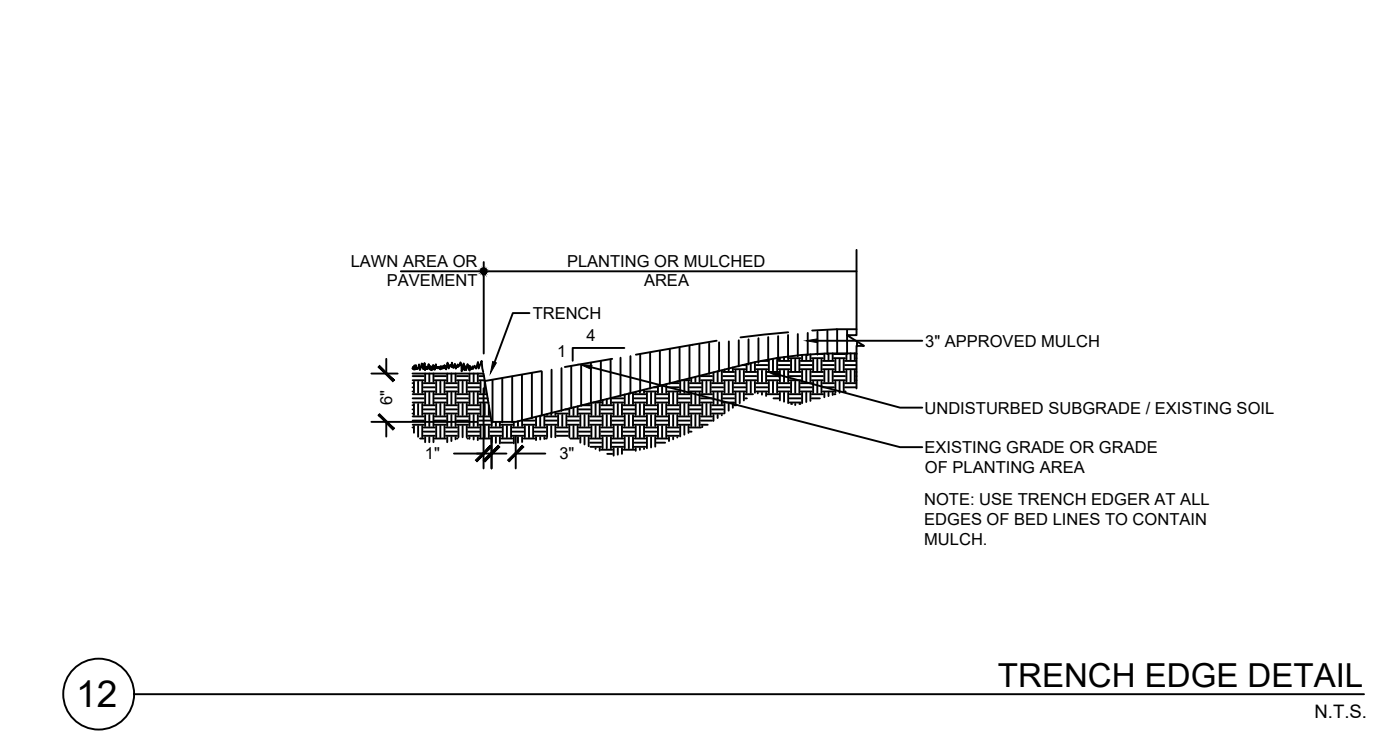
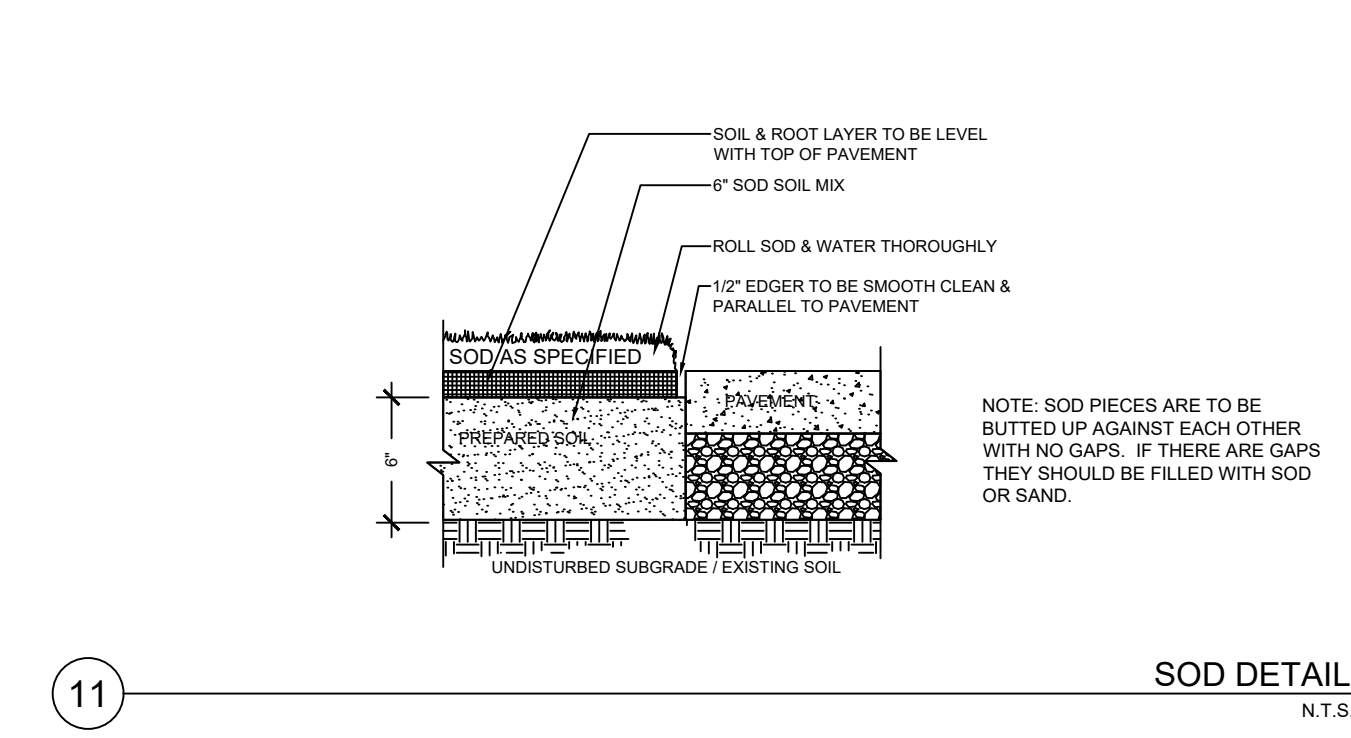
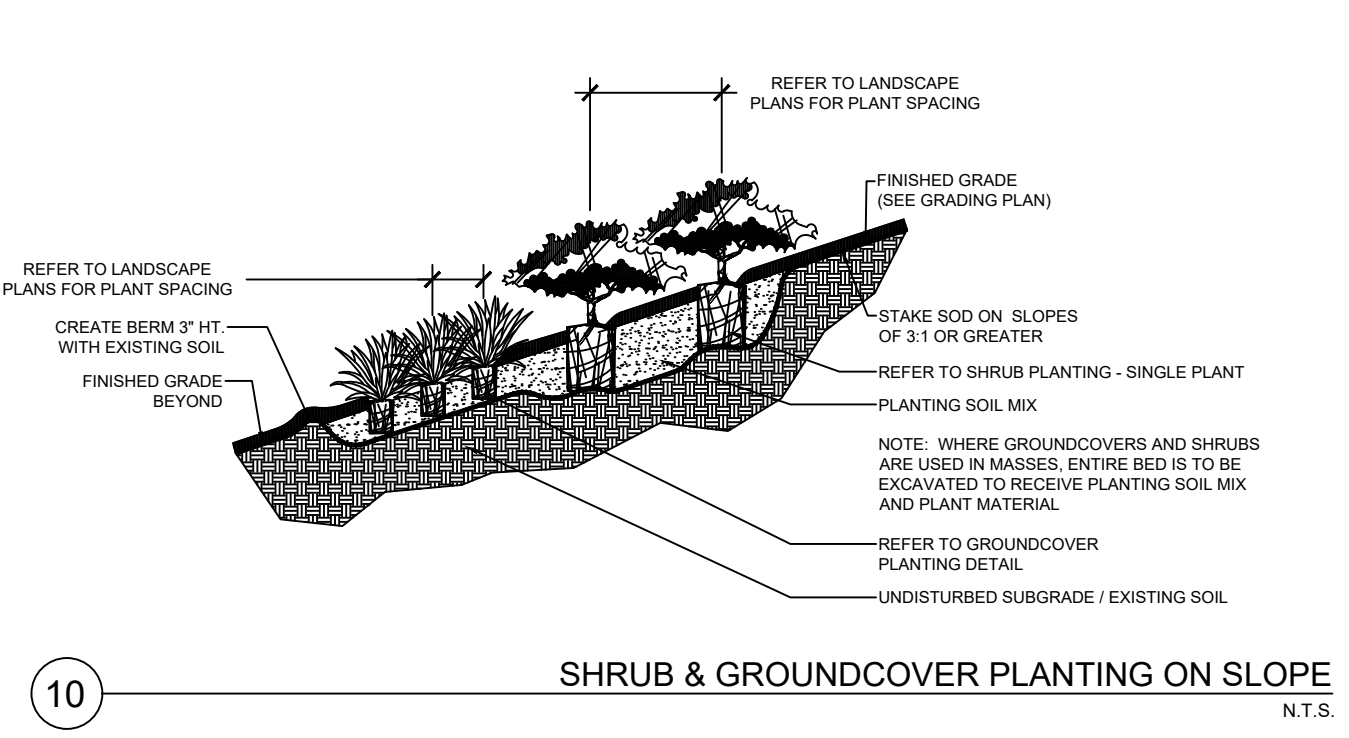
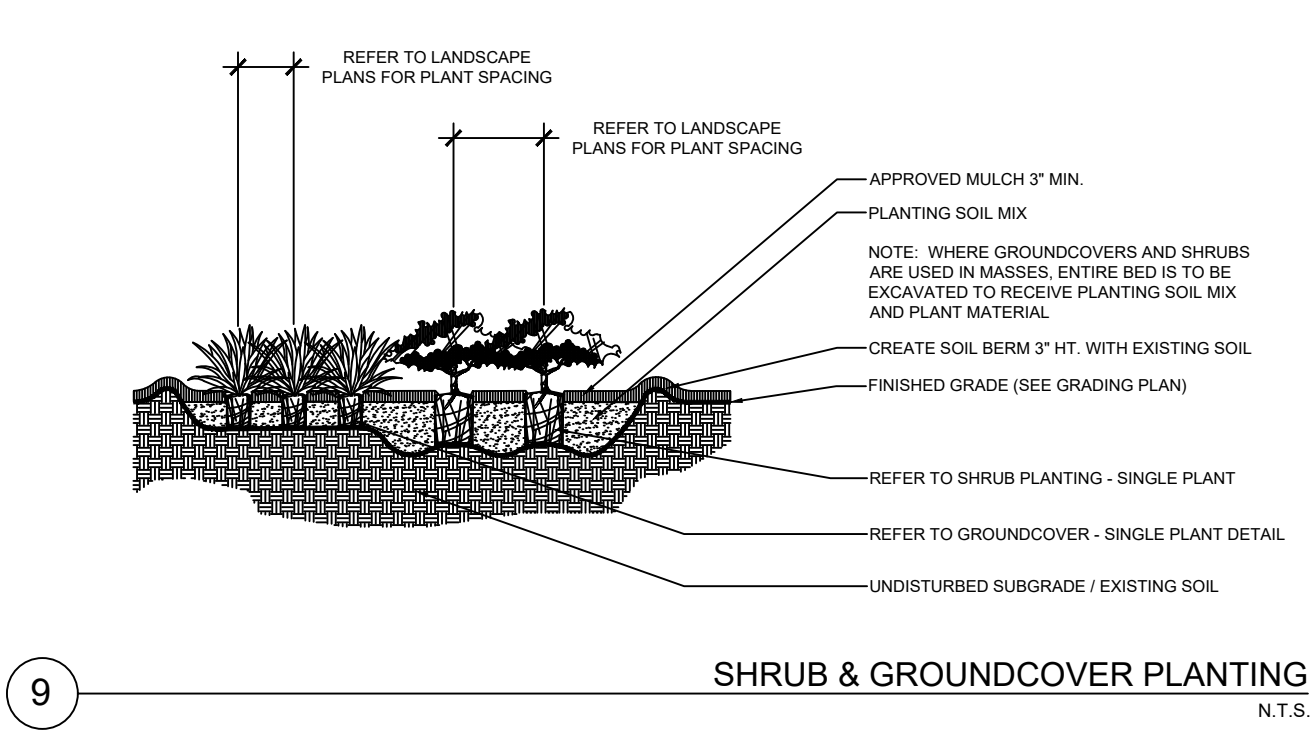
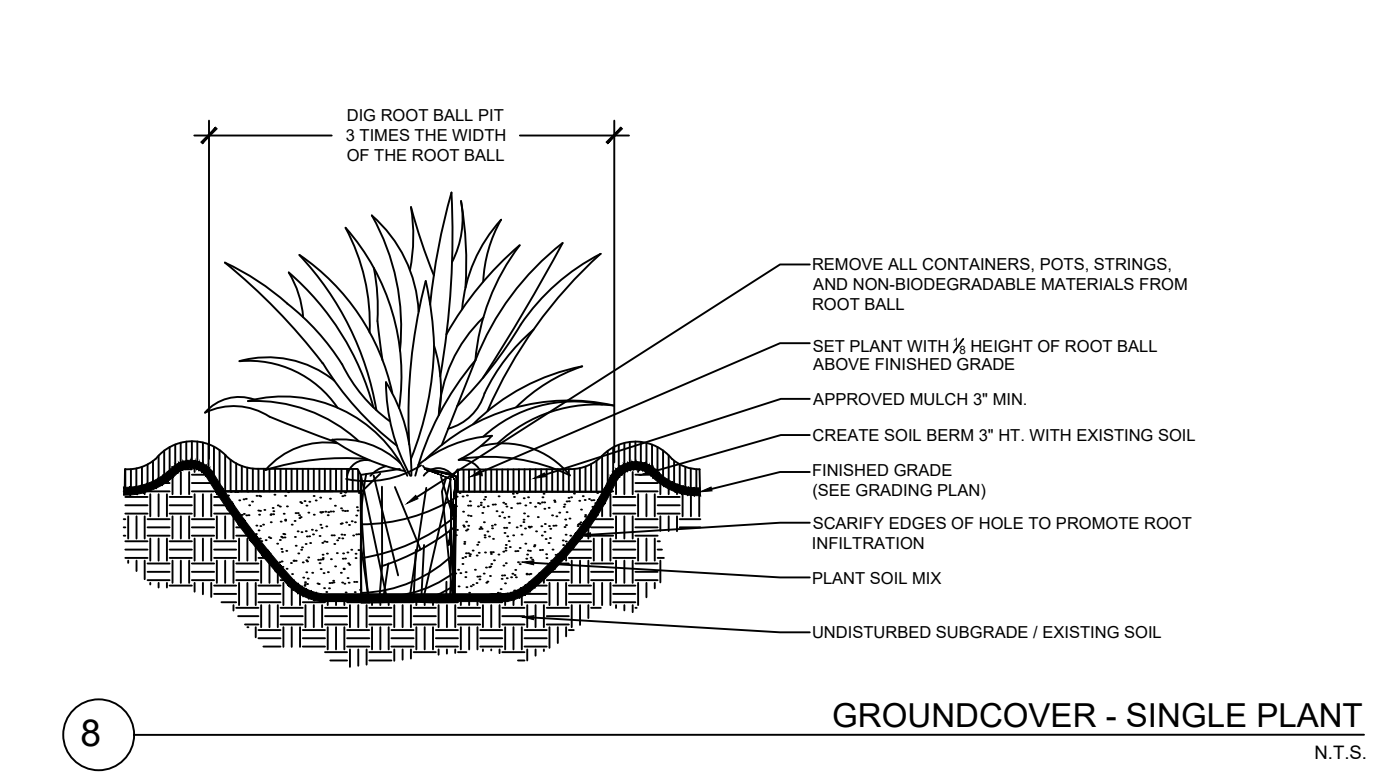
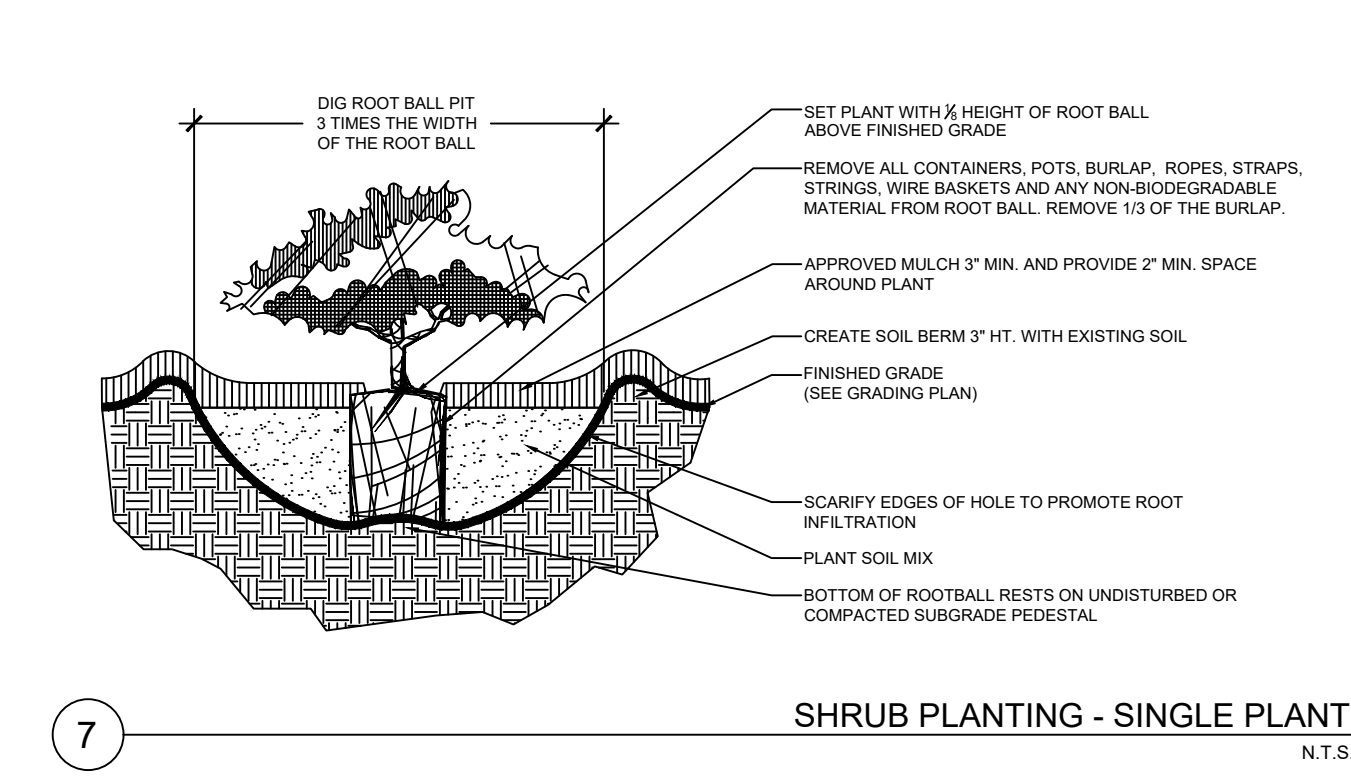
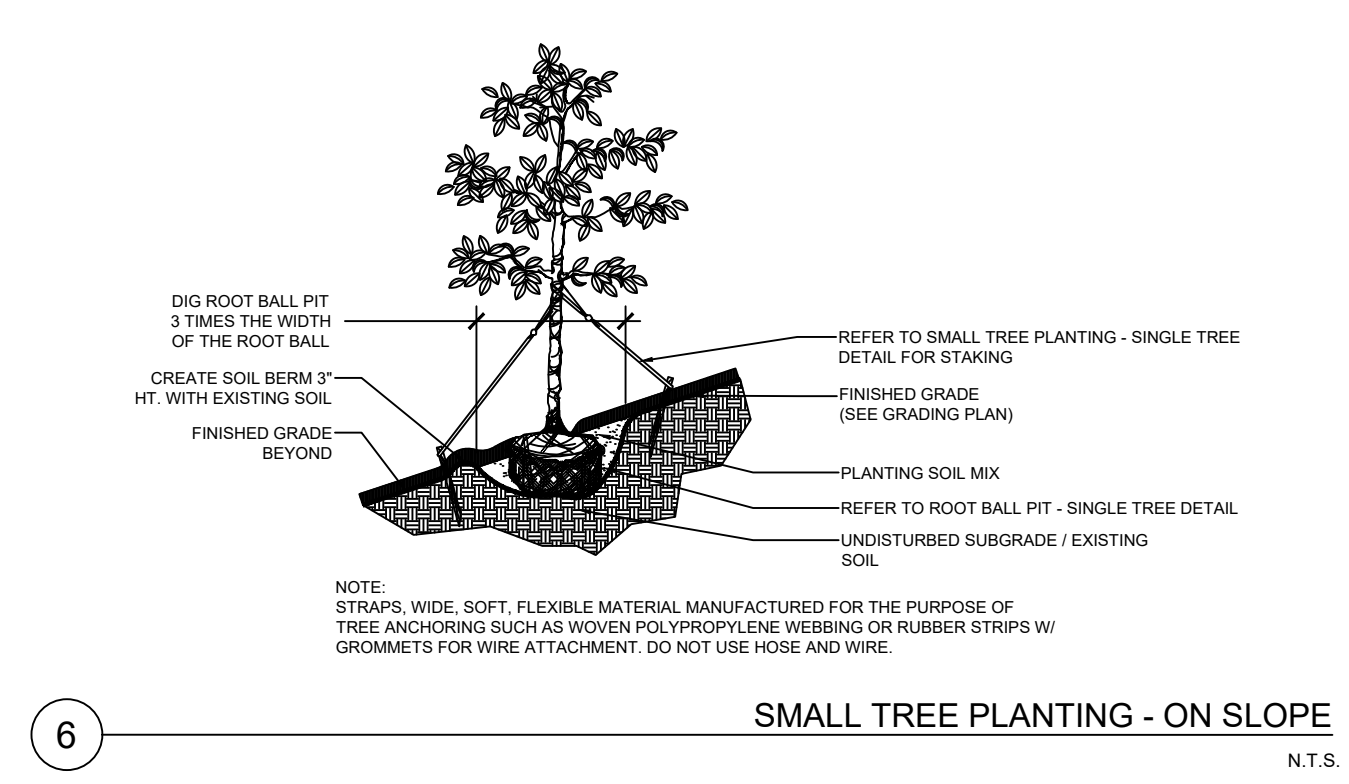
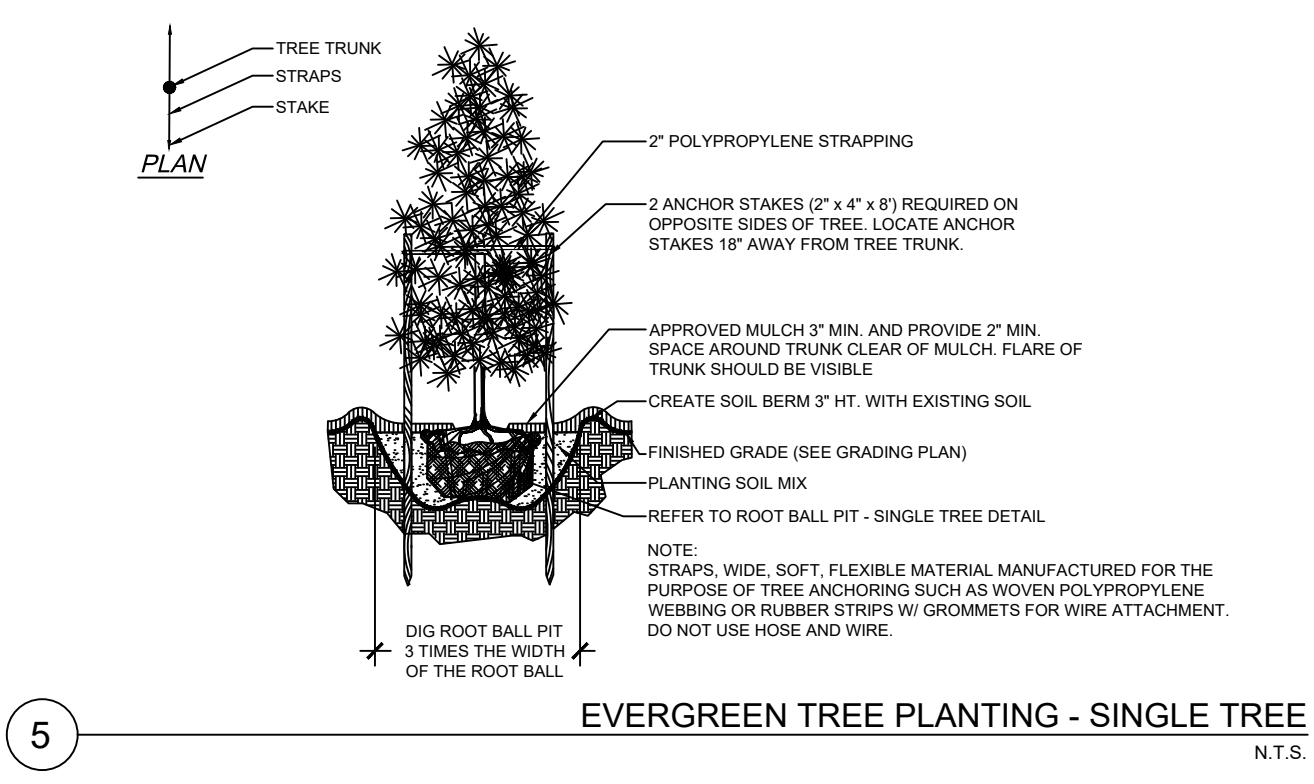
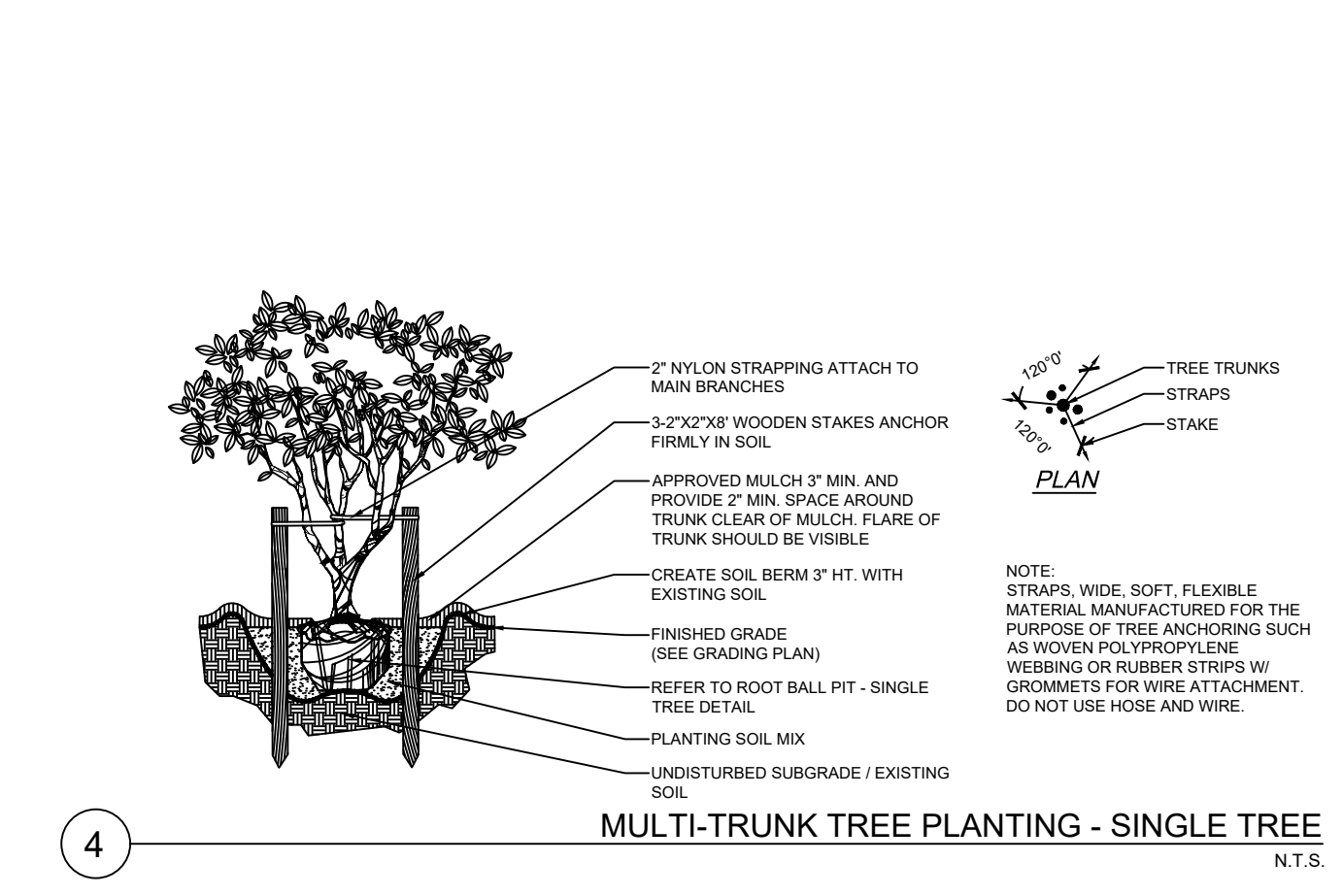
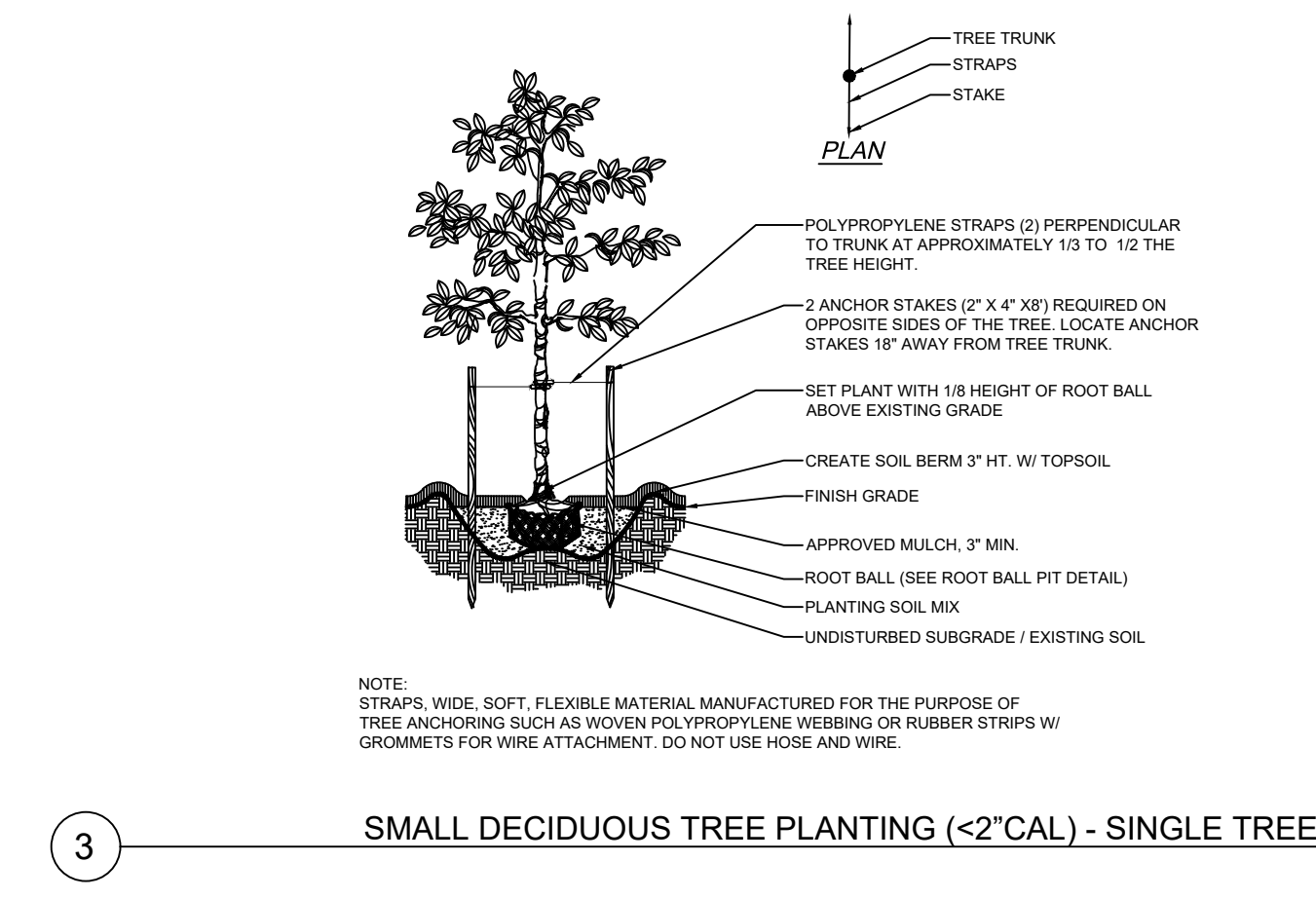
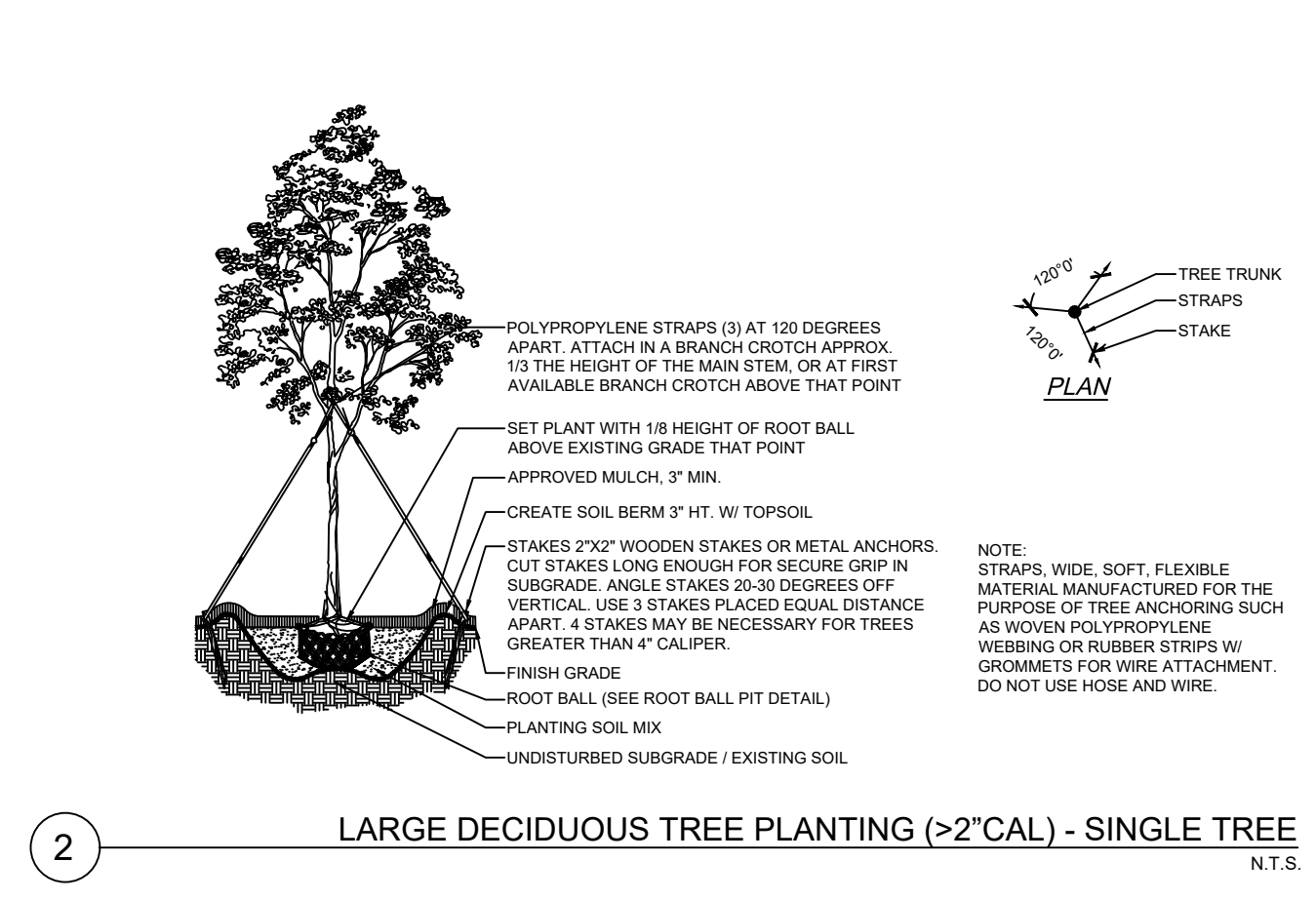
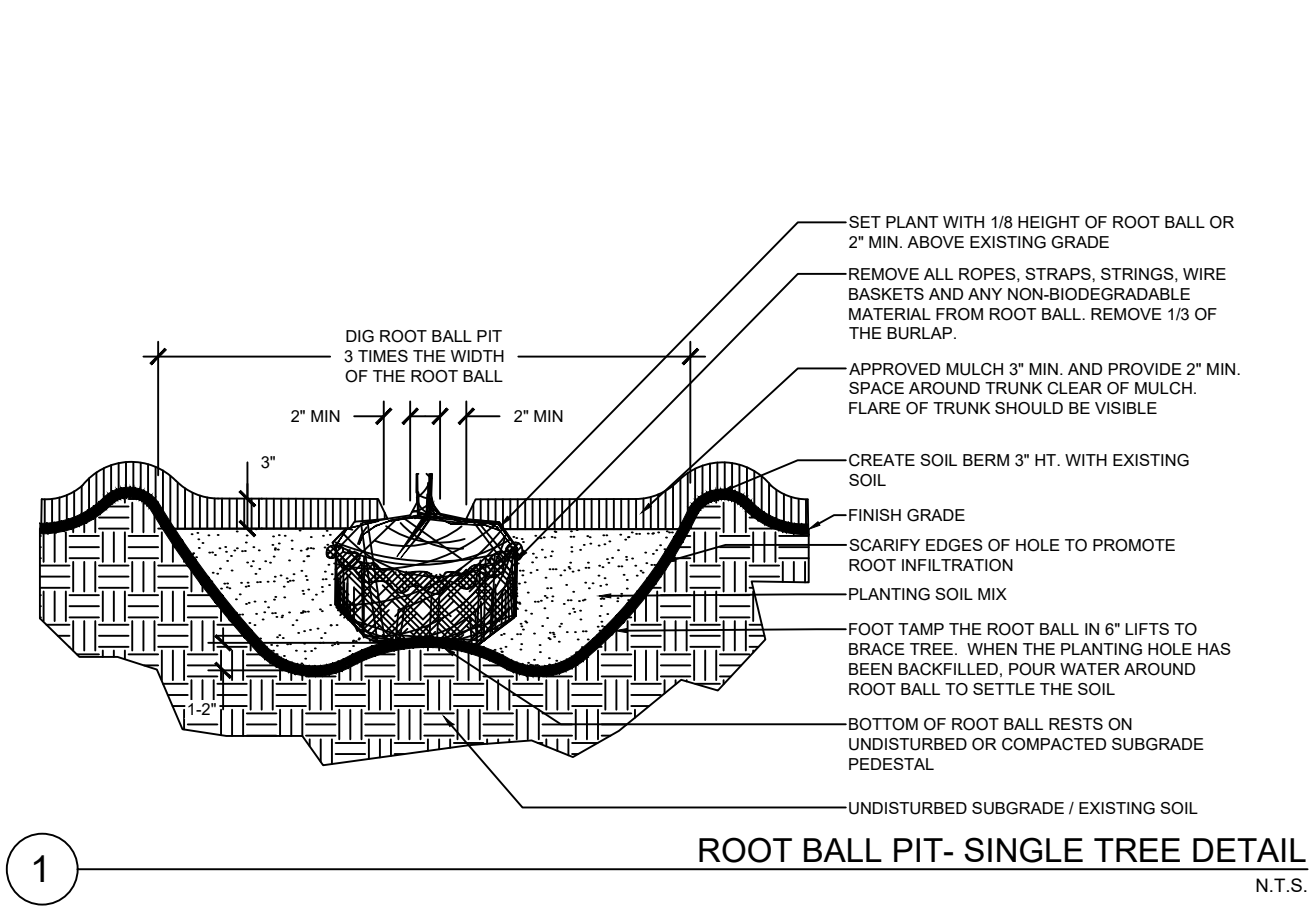
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 PROJ. NO. : 3808805

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PLANTING DETAILS

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PROJ. NO. : 3808805

GENERAL PLANTING NOTES

- 1. THE QUANTITIES INDICATED ON THE PLANT SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR, BUT SHOULD NOT BE ASSUMED TO ALWAYS BE CORRECT. IN THE EVENT OF A DISCREPANCY, THE PLANTING PLAN WILL TAKE PRECEDENCE OVER THE PLANT SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY CALCULATIONS AND THE LIABILITY PERTAINING TO THOSE QUANTITIES AND ANY OTHER RELATED CONTRACT DOCUMENTS AND / OR PRICE QUOTATIONS. THE CONTRACTOR SHALL NOT CHANGE OR SUBSTITUTE PLANT VARIETIES OR SPECIES WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
- 2. THE CONTRACTOR SHALL NOT CHANGE OR SUBSTITUTE PLANT VARIETIES OR SPECIES WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
- 3. ALL LANDSCAPE MATERIAL INSTALLATION SHALL CONFORM TO THE CURRENT STANDARDS OF AMERICANHORT AND ANSI AMERICAN STANDARD FOR NURSERY STOCK AND ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND THE REPAIR OF ANY DAMAGE INCURRED DURING THE EXECUTION OF THE WORK.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE AND FEDERAL CONSTRUCTION CODES AND SECURING ALL NECESSARY PERMITS.
- 6. THE CONTRACTOR SHALL ADEQUATELY PROTECT THE WORK, ADJACENT PROPERTY AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR ANY DAMAGES OR INJURY DUE TO HIS / HER ACTIONS.
- 7. THE CONTRACTOR SHALL MAKE PERIODIC INSPECTIONS OF THE PROJECT DURING THE GUARANTEE PERIOD TO SATISFY HIMSELF THAT ESTABLISHMENT RATE OF GROWTH IS ADEQUATE. ANY METHODS OF PRODUCTS DEEMED NOT NORMAL OR DETRIMENTAL TO GOOD PLANT GROWTH SHALL BE REPORTED TO LANDSCAPE ARCHITECT IN WRITING. FAILURE TO INSPECT AND REPORT WILL BE INTERPRETED AS APPROVAL AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL REPLACEMENTS.
- 8. REFER TO THE GRADING PLAN FOR ROUGH GRADES OF PLANTING BEDS. FINAL GRADES ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT.
- 9. PLANT MATERIAL TO BE PLACED AS SHOWN ON THE PLANTING PLANS. ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO BACKFILLING AND MULCHING.
- 10. DO NOT SCALE FROM DRAWINGS.
- 11. IF DIMENSIONS ON DRAWINGS VARY 3" OR MORE, CONTACT LANDSCAPE ARCHITECT FOR REVIEW AND CONFIRMATION PRIOR TO CONSTRUCTION.
- 12. NEW SHRUB PLANTING IS TO BE A MINIMUM OF 24" AWAY FROM EXISTING TREES.
- 13. PLANTING PLAN IS FOR THE LOCATION AND IDENTIFICATION OF PLANT MATERIAL ONLY. NO OTHER WORK IS TO BE PERFORMED BASED ON THIS PLAN.
- 14. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE OF ALL PLANTING PITS PRIOR TO INSTALLATION.

PLANTING SOIL MIX

- 1. LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANTING SOIL MIX. PLANTING SOIL SHALL BE MIXED AND STORED ON SITE.
- 2. THE PLANTING SOIL MIX SHALL CONSIST OF THE FOLLOWING: (FOR TREES, SHRUB, AND GROUNDCOVERS)
50% STERILE TOPSOIL
50% PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):
3 PARTS - HUMUS (FOREST OR PEAT)
1 PART - ORGANIC COMPOST
FERTILIZER (AS RECOMMENDED IN SOIL REPORT)
LIME (AS RECOMMENDED IN SOIL REPORT)

3. SOIL REPORT - CONTRACTOR SHALL ENGAGE A REPUTABLE LABORATORY OR COUNTY EXTENSION SERVICE TO PROVIDE TESTING ANALYSIS OF EXISTING OR STOCKPILED TOPSOIL TO BE USED IN THE PLANTING SOIL MIX. IN THE REPORT, LIST FERTILIZATION AND SOIL AMENDMENT RECOMMENDATIONS TO INSURE VIGOROUS GROWTH FOR ALL PLANTS SPECIFIED. THE SOIL REPORT SHALL INCLUDE ANALYSIS OF A MINIMUM OF THREE SOIL SAMPLES FROM DIFFERENT SITE LOCATIONS. REPORT IS TO BE SUBMITTED TO THE CITY OF ALPHARETTA PROJECT MANAGER.

4. TOP SOIL - LANDSCAPE CONTRACTOR SHALL FURNISH (FROM HIS SOURCE) A GOOD CLEAN DARK LOAMY STERILE TOPSOIL. STERILE TOPSOIL MUST BE APPROVED BY THE CITY OF ALPHARETTA PROJECT MANAGER. STERILE TOPSOIL SHALL BE COMPOSED OF NATURAL, FERTILE, FRIABLE SOIL TYPICAL OF CULTIVATED TOPSOIL OF LOCATION. TOPSOIL, IF NOT STOCKPILED, SHALL BE TAKEN FROM WELL DRAINED, ARABLE SITE, FREE OF SUBSOIL, STONES, EARTH CLOUDS, STICKS, STUMPS, CLAY LUMPS, ROOTS, OTHER OBJECTIONABLE, EXTRANEIOUS MATTER OR DEBRIS LARGER THAN 1/2" IN ANY DIRECTION.

THE PLANTING SOIL MIX MUST BE APPROVED BY THE CITY OF ALPHARETTA PROJECT MANAGER PRIOR TO ANY BACKFILLING. SUBMIT SAMPLES OF TOPSOIL AND PLANTING SOIL MIX TO CITY OF ALPHARETTA PROJECT MANAGER FOR APPROVAL PRIOR TO BEGINNING OF INSTALLATION.

SOD SOIL MIX

- 1. CONTRACTOR SHALL SUPPLY ALL SOD SOIL. SOD SOIL SHALL BE MIXED AND STORED ON SITE.
- 2. SOD SOIL MIX SHALL CONSIST OF THE FOLLOWING:
a. 30% SCREENED EXISTING OR NATIVE STERILE TOPSOIL
b. 60% SCREENED COURSE SAND
c. 10% ORGANIC COMPOST

3. SOIL REPORT - CONTRACTOR SHALL ENGAGE A REPUTABLE LABORATORY OR COUNTY EXTENSION SERVICE TO PROVIDE TESTING ANALYSIS OF EXISTING OR STOCKPILED TOPSOIL TO BE USED IN THE SOD SOIL MIX. IN THE REPORT, LIST FERTILIZATION AND SOIL AMENDMENT RECOMMENDATIONS TO INSURE VIGOROUS GROWTH FOR ALL PLANTS SPECIFIED. THE SOIL REPORT SHALL INCLUDE ANALYSIS OF A MINIMUM OF THREE SOIL SAMPLES FROM DIFFERENT SITE LOCATIONS. REPORT IS TO BE SUBMITTED TO THE CITY OF ALPHARETTA PROJECT MANAGER.

4. TOPSOIL - TOPSOIL SHALL BE COMPOSED OF NATURAL, FERTILE, FRIABLE SOIL TYPICAL OF CULTIVATED TOPSOIL OF LOCATION. TOPSOIL, IF NOT STOCKPILED, SHALL BE TAKEN FROM WELL DRAINED, ARABLE SITE, FREE OF SUBSOIL, STONES, EARTH CLOUDS, STICKS, STUMPS, CLAY LUMPS, ROOTS, OTHER OBJECTIONABLE, EXTRANEIOUS MATER OR DEBRIS LARGER THAN 1/2" IN ANY DIRECTION.

5. THE SOD SOIL MIX MUST BE APPROVED BY THE CITY OF ALPHARETTA PROJECT MANAGER PRIOR TO SOD DELIVERY.

6. SOD SOIL MIX SHALL BE IN PREPARED SOIL AT 6" DEPTH.

PLANT SCHEDULE

QUANTITY	BOTANICAL	COMMON	CONT.	CALIPER	HEIGHT	REMARKS	STATUS	% OF TOTAL
	TREES							
1	ACER GRISEUM	PAPERBARK MAPLE	B&B/CONT.	4-4.5" CAL.	12-14'	SPECIMEN, STRAIGHT DOMINANT LEADER, WELL BRANCHED		1%
11	CARPINUS CAROLINIANA 'ORANGE CRUSH'	ORANGE CRUSH HORNBEAM	B&B/CONT.	3-3.5" CAL.	12-14'	MATCHING, STRAIGHT DOMINANT LEADER, WELL BRANCHED	NATIVE	13%
7	CRYPTOMERIA JAPONICA 'YOSHINO'	JAPANESE CRYPTOMERIA	B&B/CONT.	3-3.5" CAL.	10-12'	FULL TO GROUND, DENSE, WELL BRANCHED		8%
21	JUNIPERUS VIRGINIANA 'BURKII'	BURK EASTERN REDCEDAR	B&B/CONT.	3-3.5" CAL.	8-10'	FULL TO GROUND, DENSE, WELL BRANCHED	NATIVE	24%
3	NYSSA SYLVATICA 'NSUHH'	GREEN GABLE BLACK GUM	B&B/CONT.	4-4.5" CAL.	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED	NATIVE	3%
5	QUERCUS COCCINEA	SCARLET OAK	B&B/CONT.	4-4.5" CAL.	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED	NATIVE	6%
4	QUERCUS PHELLOS	WILLOW OAK	B&B/CONT.	4-4.5" CAL.	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED	NATIVE	5%
3	QUERCUS SHUMARDII 'QSFCT'	PANACHE SHUMARD OAK	B&B/CONT.	4-4.5" CAL.	14-16'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED	NATIVE	3%
6	TAXODIUM DISTICHUM 'MICKELSON'	SHAWNEE BRAVE BALD CYPRESS	B&B/CONT.	4-4.5" CAL.	14-16'	STRAIGHT DOMINANT LEADER, FULL, CLEAR TO 6'	NATIVE	7%
	SMALL TREES							
9	AMELANCHIER ARBOREA 'AUTUMN BRILLIANCE'	DOWNY SERVICEBERRY	B&B/CONT.	3-3.5" CAL.	12-14'	MULTI-TRUNK, MATCHING, FULL, DENSE, WELL BRANCHED	NATIVE	10%
6	CERCIS CANADENSIS	EASTERN REDBUD	B&B/CONT.	3-3.5" CAL.	10-12'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED	NATIVE	7%
5	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	B&B/CONT.	3-3.5" CAL.	10-12'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED	NATIVE	6%
7	CORNUS FLORIDA 'CHEROKEE BRAVE'	FLOWERING DOGWOOD	B&B/CONT.	3-3.5" CAL.	10-12'	STRAIGHT DOMINANT LEADER, FULL, WELL BRANCHED	NATIVE	8%
	SHRUBS							
91	ABELIA X GRANDIFLORA 'RADIANCE'	RADIANCE ABELIA	#3		15-18"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
182	DISTYLIUM X 'PIIDIST-VI'	SWING LOW DISTYLIUM	#3		9-12"	FULL, DENSE, WELL ROOTED IN POT		
32	FOTHERGILLA GARDENII 'MT. AIRY'	MT. AIRY FOTHERGILLA	#3		15-18"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
47	GARDENIA JASMINOIDES 'DAISY'	DAISY GARDENIA	#3		12-15"	FULL, DENSE, WELL ROOTED IN POT		
56	HYDRANGEA PANICULATA 'JANE'	LITTLE LIME HYDRANGEA	#3		18-21"	FULL, DENSE, WELL ROOTED IN POT		
63	HYPERICUM CALYCIUM 'BRIGADOON'	BRIGADOON HYPERICUM	#3		6-9"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
199	ILEX CRENATA 'SOFT TOUCH'	SOFT TOUCH HOLLY	#3		15-18"	FULL, DENSE, WELL ROOTED IN POT		
48	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	#3		15-18"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
12	ILEX VERTICILLATA 'FARROWBPOP'	MRS POPPINS WINTERBERRY	#3		15-18"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
2	ILEX VERTICILLATA 'FARROWMRP'	MR POPPINS WINTERBERRY	#3		15-18"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
159	ITEA VIRGINICA 'MERLOT'	MERLOT SWEETSPIRE	#3		15-18"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
250	LOROPETALUM CHINENSE RUBRUM 'PIILC-III'	PURPLE DAYDREAM LOROPETALUM	#3		18-21"	FULL, DENSE, WELL ROOTED IN POT		
12	MYRICA CERIFERA 'DONS DWARF'	DONS DWARF WAX MYRTLE	#5		18-21"	FULL, DENSE, WELL ROOTED IN POT	NATIVE	
3	OSMANTHUS X FORTUNEI	FORTUNES OSMANTHUS	B&B/CONT.		6-8'	FULL TO GROUND, WELL BRANCHED, FULL		
6	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	B&B/CONT.		6-8'	FULL TO GROUND, WELL BRANCHED, FULL		
	GRASSES / GRASS LIKE							
68	ACORUS GRAMINEUS 'MINIMUS AUREUS'	DWARF GOLDEN SWEET FLAG	#1			FULL, DENSE, WELL ROOTED IN POT		
75	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER GRASS	#3			FULL, DENSE, WELL ROOTED IN POT		
187	JUNCUS INFLEXUS 'BLUE ARROWS'	BLUE ARROWS JUNCUS	#1			FULL, DENSE, WELL ROOTED IN POT		
96	MISCANTHUS SINENSIS 'ADAGIO'	ADAGIO MISCANTHUS	#3			FULL, DENSE, WELL ROOTED IN POT	NATIVE	
249	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	#3			FULL, DENSE, WELL ROOTED IN POT	NATIVE	
129	MUHLENBERGIA SERICEA 'WHITE CLOUD'	WHITE MUHLY GRASS	#3			FULL, DENSE, WELL ROOTED IN POT	NATIVE	
262	PANICUM VIRGATUM 'PURPLE TEARS'	PURPLE TEARS SWITCH GRASS	#1			FULL, DENSE, WELL ROOTED IN POT	NATIVE	
	PERENNIALS / FLOWERS							
11	IRIS PSEUDACORUS	YELLOW FLAG IRIS	#1			FULL, DENSE, WELL ROOTED IN POT		
19	RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM'	BLACK EYED SUSAN	#1			FULL, DENSE, WELL ROOTED IN POT	NATIVE	
34	SYMPHYOTRICHUM NOVAE-ANGLIAE 'PURPLE DOME'	PURPLE DOME ASTER	#3			FULL, DENSE, WELL ROOTED IN POT	NATIVE	
	SOD / SEED							
25,000	CYNODON DACTYLON '419 HYBRID'	BERMUDA GRASS	SOD		SF	CERTIFIED PURE, DISEASE, PEST, MOLD FREE		
	TRANSPLANTED / RELOCATED TREES							
8	TRANSPLANTED TREES		VARIES			TREES TRANSPLANTED / RELOCATED FROM SOUTH SIDE OF EXISTING PATH (NORTHEAST EDGE OF PARK)		



PLANTING SCHEDULE AND NOTES

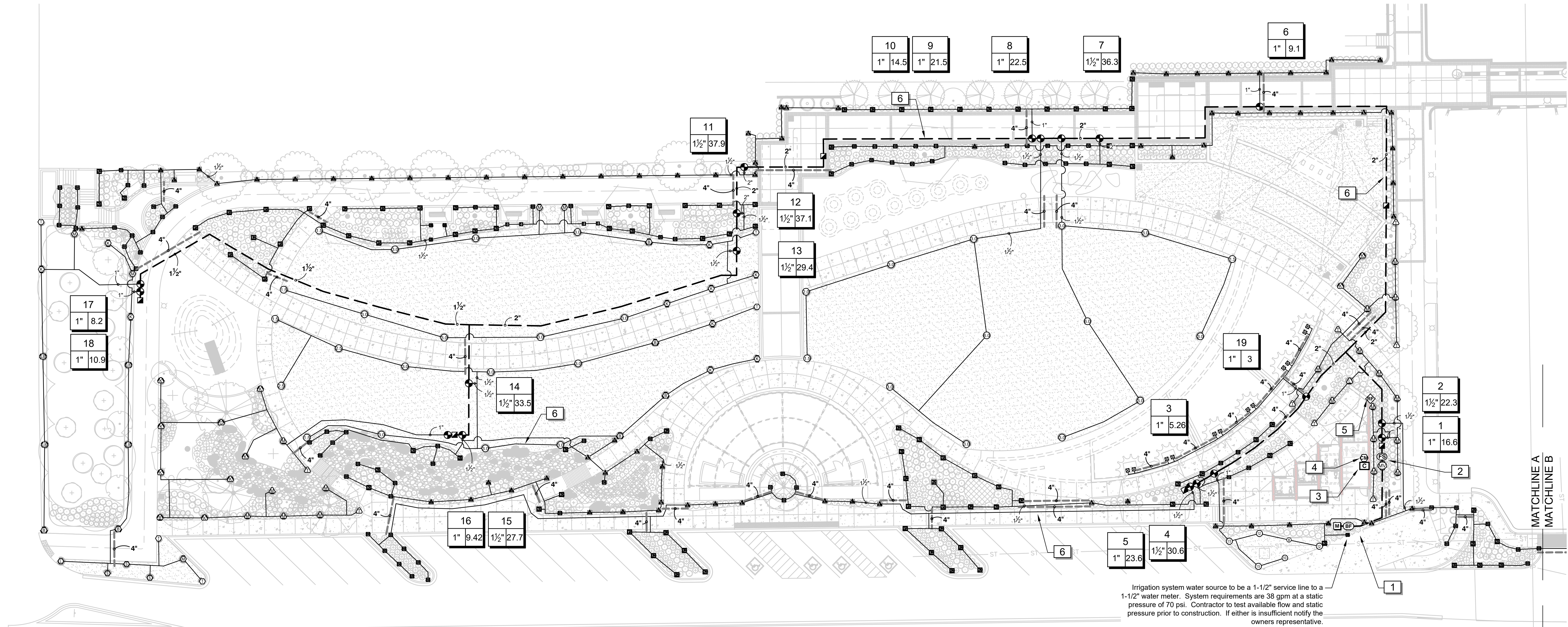
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR	DR	CHK.	DATE	DESCRIPTION
0			RKC	05/21/2024	ISSUED FOR BID

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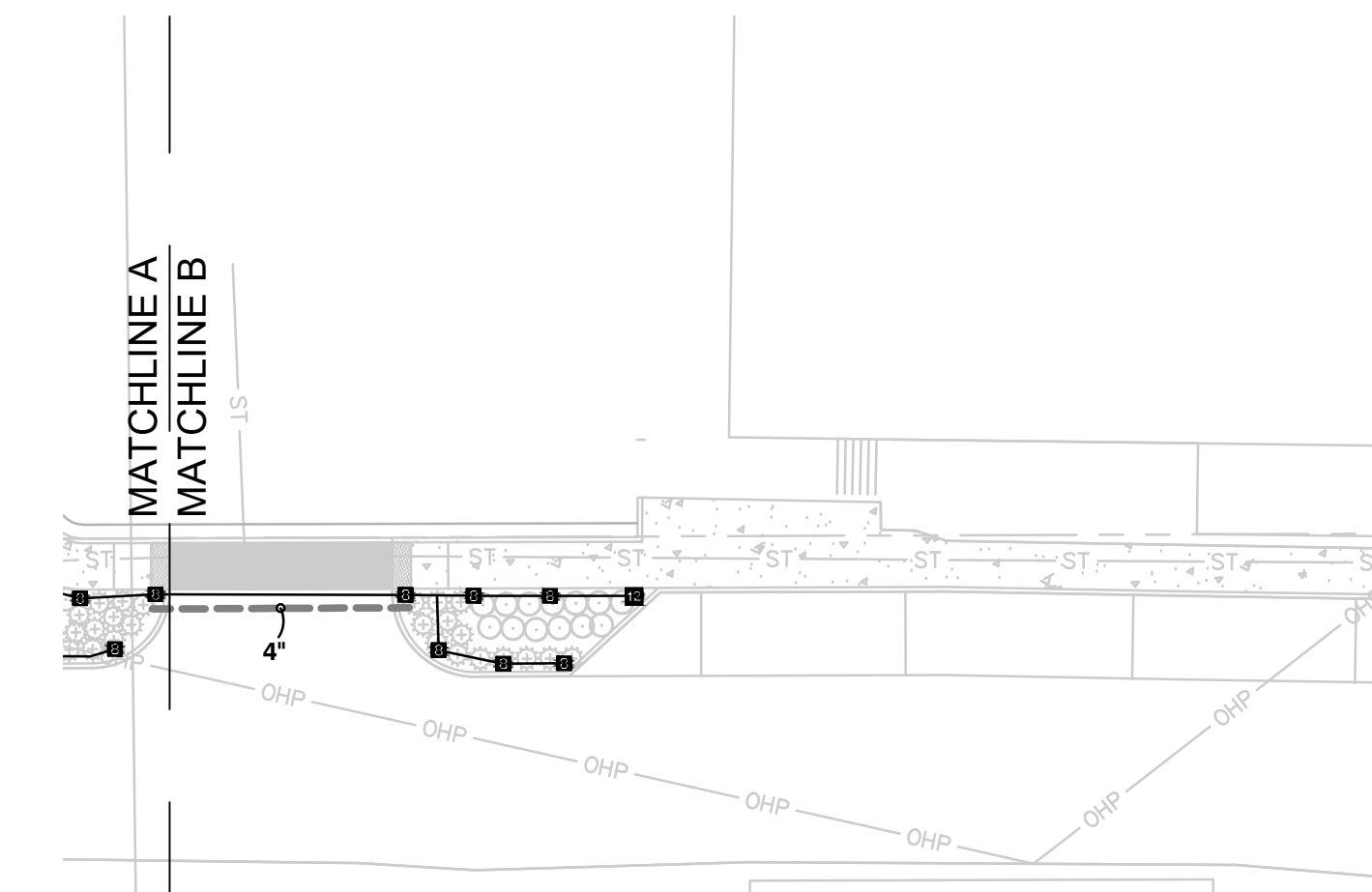
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USER:MLAR
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 SAVER:4/8/2024
 PLOTTED:5/2/2024

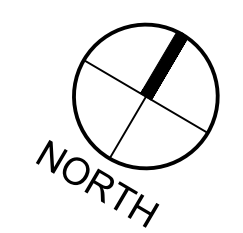
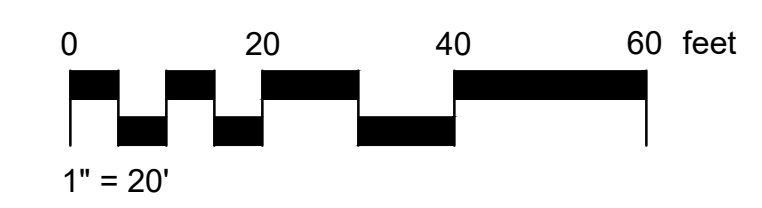


Irrigation system water source to be a 1-1/2" service line to a 1-1/2" water meter. System requirements are 38 gpm at a static pressure of 70 psi. Contractor to test available flow and static pressure prior to construction. If either is insufficient notify the owners representative.

A IRRIGATION PLAN
 IR-100 SCALE: 1"=20'

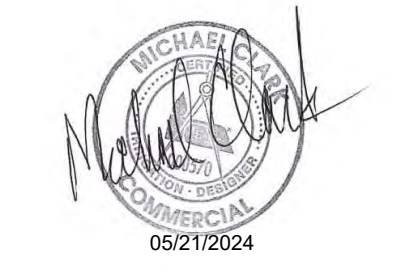


B IRRIGATION PLAN
 IR-100 SCALE: 1"=20'



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IRRIGATION PLAN
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REVISION INFORMATION			
REV.	BY	DATE	DESCRIPTION
0	MC	05/21/2024	ISSUED FOR BID

IR1.00
 PROJ. NO. : 3808805

2389 Paces Ferry Road / Suite 650 / Atlanta, GA 30339
 PHONE (770) 628-7531 / FAX (770) 855-0903

CONTRACTOR'S QUALIFICATION REQUIREMENTS

- IRRIGATION CONTRACTOR TO BE STATE LICENSED, IF REQUIRED, AND AN IRRIGATION ASSOCIATION CERTIFIED IRRIGATION CONTRACTOR IN GOOD STANDING. PROVIDE CIC CERTIFICATE WITH SUBMITTALS.
- CONTRACTOR MUST HAVE COMPLETED THE MANUFACTURERS 2-WIRE CONSTRUCTION TRAINING COURSE AND PROVIDE CERTIFICATE OF COMPLETION AS PART OF THE SUBMITTALS.
- CONTRACTOR MUST HAVE COMPLETED THE MANUFACTURERS 2-WIRE CONTROLLER PROGRAMMING COURSE AND PROVIDE CERTIFICATE OF COMPLETION AS PART OF THE SUBMITTALS.
- CONTRACTOR THAT CANNOT PROVIDE ITEMS 1-3 ABOVE SHOULD NOT BE ALLOWED TO CONSTRUCT THE IRRIGATION SYSTEM.

IRRIGATION SYSTEM INSPECTION NOTES

- SYSTEM WILL BE INSPECTED FOR ADHERENCE TO THE PLANS AND SPECIFICATIONS.
- ANY COMPONENTS AND/OR INSTALLATION TECHNIQUES THAT DO NOT MEET THE INTENT OF THE PLANS AND SPECIFICATIONS WILL BE REMOVED AND REINSTALLED.
- IRRIGATION SYSTEM WILL NOT BE CONSIDERED COMPLETE UNTIL ALL PUNCH LIST ITEMS ARE COMPLETED.

GENERAL NOTES

- ALL TRENCHING TO BE OUTSIDE OF TREE DRIP LINE. IF TRENCHING MUST BE DONE WITHIN TREE DRIPLINE FOLLOW TREE PRESERVATION GUIDELINES FOR THE PROJECT OR LOCAL MUNICIPALITY.
- 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.
- CONTROL WIRE TO BE 14 GA UL APPROVED, SINGLE CONDUCTOR, PE JACKETED.
- WIRE SPLICES TO BE DONE AS PER DETAILS.
- ALL WIRE SPLICES OUTSIDE OF CONTROL VALVE BOX TO BE IN 10" VALVE BOX.
- WIRE TO BE COLOR CODED, RED FOR POWER AND WHITE FOR COMMON.
- CONTRACTOR SHALL INSTALL MANUFACTURERS GROUNDING EQUIPMENT ON BOTH THE POWER AND OUTPUT SIDES.
- CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION BY WRAPPING WIRE AROUND 3/4" PIPE 12 TIMES.
- AT EACH CHANGE IN MAINLINE DIRECTION CONTRACTOR TO INSTALL A 30" LOOP OF EXTRA WIRE.
- WIRE TO BE BUNDLED WITH ZIP-TIE EVERY 15'.
- 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 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.

CONTROLLER INSTALLATION NOTES

- IRRIGATION CONTRACTOR TO COORDINATE EXACT LOCATION OF CONTROLLER WITH OWNER'S REPRESENTATIVE.
- PROVIDE 120VAC 20 AMP POWER TO JUNCTION BOX AT CONTROLLER LOCATION.
- IRRIGATION CONTRACTOR TO HARD WIRE CONTROLLER TO POWER SUPPLY AS PER PREVAILING CODE.
- CONTROLLER TO BE SECURELY ATTACHED TO THE WALL USING METALLIC FASTENERS MADE FOR WALL TYPE.
- ALL IRRIGATION CONTROL WIRE ABOVE GRADE TO BE ENCASED IN PVC ELECTRICAL CONDUIT.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL POTENTIAL WALL PENETRATIONS AND THE SEALING OF THOSE PENETRATIONS.
- CONTROLLER TO BE GROUNDED AS PER MANUFACTURERS RECOMMENDATIONS.

RAIN BIRD IQ4 REMOTE ACCESS NOTES

- PROVIDE 3 YEAR SUBSCRIPTION, FOR THE OWNER, TO THE RAIN BIRD IQ4 REMOTE ACCESS CLOUD BASED SYSTEM.
- PROVIDE 3 YEAR CELL MODEM DATA PLAN FOR IQ4 ACCESS.
- FULLY SET UP IQ4 TO ACCESS THE CONTROLLER AND ALLOW FOR ALL CONTROL SYSTEM ALERTS, CONTROLLER PROGRAMING, FLOW MANAGMENT, AUTOMATED ET/WEATHER DOWNLOAD, AND PROGRAM SET UP.
- PROVIDE A MINIMUM OF 4 HOURS OF RAIN BIRD IQ4 MANUFACTURERS TRAINING FOR THE OWNERS REPRESENTATIVES.

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
	Provide and install an aluminum or stainless steel insulated backflow enclosure on a concrete pad, over the backflow preventer as per plan detail and enclosure manufacturers instructions.
	Install Master Valve and Flow Sensor with centerline of each 12" below FG as per plan detail and manufacturers instructions.
	Coordinate the exact location of the controller within the pump room with the owners representative. Provide 120v 20 amp power to the controller from a dedicated circuit. Install controller as per plan notes, details and manufacturers instructions.
	Provide and install the cell data cartridge in the controller as per manufacturers instructions. Provide 1 year of Rain Bird IQ4 cloud based remote operating system, see Rain Bird IQ4 NOTES for further requirements.
	Coordinate the exact location of the Wireless Rain Freeze sensor with the owners representative. Install and program as per plan detail and manufacturers instructions.
	Pipe location is diagrammatic. Install all pipe as per plan notes and details. Multiple pipes in a common trench must have a minimum 3" separation.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PRECIP
1	Rain Bird PEB	1"	Shrub Rotary	16.57	0.43 in/h
2	Rain Bird PEB	1-1/2"	Shrub Spray	22.25	1.82 in/h
3	Rain Bird PEB	1"	Turf Spray	5.26	1.5 in/h
4	Rain Bird PEB	1-1/2"	Shrub Spray	30.62	1.68 in/h
5	Rain Bird PEB	1"	Shrub Spray	23.59	1.9 in/h
6	Rain Bird PEB	1"	Shrub Spray	9.1	1.72 in/h
7	Rain Bird PEB	1-1/2"	Shrub Spray	38.26	2.07 in/h
8	Rain Bird PEB	1"	Turf Rotor	22.5	0.46 in/h
9	Rain Bird PEB	1"	Turf Rotor	21.5	0.51 in/h
10	Rain Bird PEB	1"	Shrub Spray	14.49	0.95 in/h
11	Rain Bird PEB	1-1/2"	Shrub Spray	37.88	1.7 in/h
12	Rain Bird PEB	1-1/2"	Shrub Spray	37.11	1.54 in/h
13	Rain Bird PEB	1-1/2"	Turf Rotary	29.36	0.5 in/h
14	Rain Bird PEB	1-1/2"	Turf Rotor	33.47	0.67 in/h
15	Rain Bird PEB	1-1/2"	Shrub Spray	27.7	1.7 in/h
16	Rain Bird PEB	1"	Shrub Rotary	9.42	0.32 in/h
17	Rain Bird PEB	1"	Turf Rotary	8.2	0.21 in/h
18	Rain Bird PEB	1"	Turf Rotary	10.91	0.25 in/h
19	Rain Bird PEB	1"	Bubbler	3	1.12 in/h

CRITICAL ANALYSIS

Generated: 2023-12-11 15:48

P.O.C. NUMBER: 01
Water Source Information:

FLOW AVAILABLE
Water Meter Size: 1-1/2"
Flow Available: 40.32 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 70 PSI
Elevation Change: 5.00 ft
Service Line Size: 1 1/2"
Length of Service Line: 20 ft
Pressure Available: 66 PSI

DESIGN ANALYSIS
Maximum Station Flow: 37.88 GPM
Flow Available at POC: 40.32 GPM
Residual Flow Available: 2.44 GPM

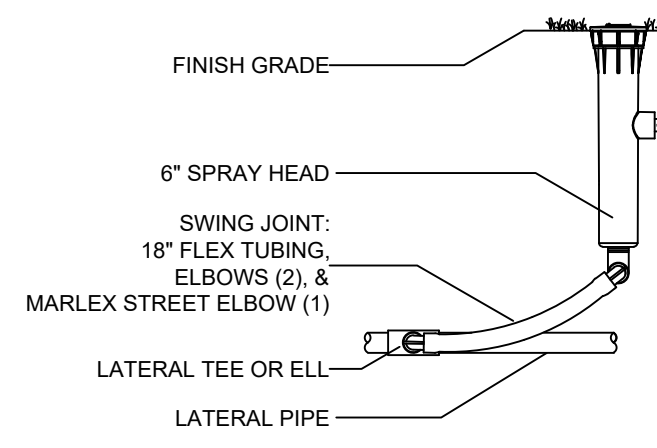
Critical Station: 4
Design Pressure: 45 PSI
Friction Loss: 1.42 PSI
Fittings Loss: 0.14 PSI
Elevation Loss: 0 PSI
Loss through Valve: 3.58 PSI
Pressure Req. at Critical Station: 50.1 PSI
Loss for Fittings: 0.11 PSI
Loss for Main Line: 1.15 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 12.2 PSI
Loss for Master Valve: 0.59 PSI
Loss for Water Meter: 1.05 PSI
Critical Station Pressure at POC: 65.3 PSI
Pressure Available: 66 PSI
Residual Pressure Available: 0.75 PSI

IRRIGATION SCHEDULE

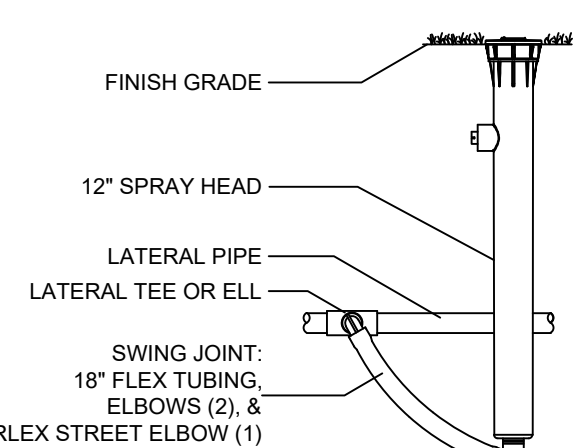
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PROS-06-PR330-CV Adj Series Turf Spray, 30 psi regulated 6in. Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-12-PR330-CV Strip Series Shrub Spray, 30 psi regulated 12in. Pop-Up. With Factory Installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-12-PR330-CV 12 Series Shrub Spray, 30 psi regulated 12in. Pop-Up. With Factory Installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-12-PR330-CV Adj Series Shrub Spray, 30 psi regulated 12in. Pop-Up. With Factory Installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material.
	Hunter MP Corner PROS-06-PR340-CV Turf Rotor, 6in. pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotorator nozzle on PRS40 body. T=Turquoise adj arc 45-105.
	Hunter MP Strip PROS-06-PR340-CV Turf Rotor, 6in. pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotorator nozzle on PRS40 body. LST=Ivory left strip, SST=Brown side strip, RST=Copper right strip.
	Hunter MP1000 PROS-06-PR340-CV Turf Rotor, 6in. pop-up with check valve, pressure regulated to 40 psi, MP Rotorator nozzle on PRS40 body. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.
	Hunter MP2000 PROS-06-PR340-CV Turf Rotor, 6in. pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotorator nozzle on PRS40 body. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc.
	Hunter MP3000 PROS-06-PR340-CV Turf Rotor, 6in. pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotorator nozzle on PRS40 body. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.
	Hunter MP3500 PROS-06-PR340-CV Turf Rotor, 6in. Pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotorator nozzle on PRS40 body. LB=light brown adjustable arc, 90-210.
	Hunter MP Corner PROS-12-PR340-CV Shrub Rotor, 12in. pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotorator nozzle. T=Turquoise adj arc 45-105 on PRS40 body.
	Hunter MP1000 PROS-12-PR340-CV Shrub Rotorator, 12in. pop-up with check valve, pressure regulated to 40 psi, MP Rotorator nozzle. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc on PRS40 body.
	Hunter MP2000 PROS-12-PR340-CV Shrub Rotorator, 12in. pop-up with check valve, pressure regulated to 40 psi, MP Rotorator nozzle. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc on PRS40 body.
	Hunter MP3000 PROS-12-PR340-CV Shrub Rotorator, 12in. pop-up with check valve, pressure regulated to 40 psi, MP rotary nozzle. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc on PRS40 body.
	Rain Bird RWS-M-B-C w/ RWS-SOCK 1400 Series Mini Rot Watering System with 4in. diameter x 6in. long with locking grate, semi-rigid mesh tube and Rain Bird 1401 0.25 GPM or 1402 0.5 GPM bubbler as indicated. With Check Valve, and Sand Sock for sandy soil.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter I-20-04-PRB 1.5 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle. Pressure Regulating Body.
	Hunter I-20-04-PRB 2.0 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle. Pressure Regulating Body.
	Hunter I-20-04-PRB 2.5 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle. Pressure Regulating Body.
	Hunter I-20-04-PRB 3.0 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle. Pressure Regulating Body.
	Hunter I-20-04-PRB 6.0 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle. Pressure Regulating Body.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PEB 1in., 1-1/2in., 2in. Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration.
	Hunter HQ-44LRC-AW Quick coupler valve, yellow rubber locking cover, red brass and stainless steel, with 1in. NPT inlet, 2-piece body. Acme Key with Anti-Rotation Wings.
	Superior 3100 1-1/2" Normally Open Brass Master Valve that Provides Dirty Water Protection. Available in 3/4in., 1in., 1-1/4in., 1-1/2in., 2in., 2-1/2in. and 3in.
	Febo 825Y 1-1/2" Reduced Pressure Backflow Preventer
	Rain Bird ESPLXME2 w/ (1) ESPLXMSM12 24 Station, Traditionally-Wired, Commercial Controller. (1) ESPLXME2 12-Station, Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (1) ESPLXMSM12 - 12-Station Expansion Modules.
	Rain Bird IQ4G-USA IO NCC 4G Cellular Cartridge upgrades ESP-LX Series controllers to IQ satellite, for communication with IQ central control.
	Rain Bird WR2-RFS Wireless Rain/Freeze Sensor.
	Rain Bird UFS-150 1-1/2in. Ultrasonic Flow Sensors, with Glass Filled Nylon Body. Operating Range 0.5 GPM to . Size for Flow Not According to Pipe Size. Water Meter 1-1/2"
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Schedule 40
	Valve Callout # - Valve Number # - Valve Flow # - Valve Size

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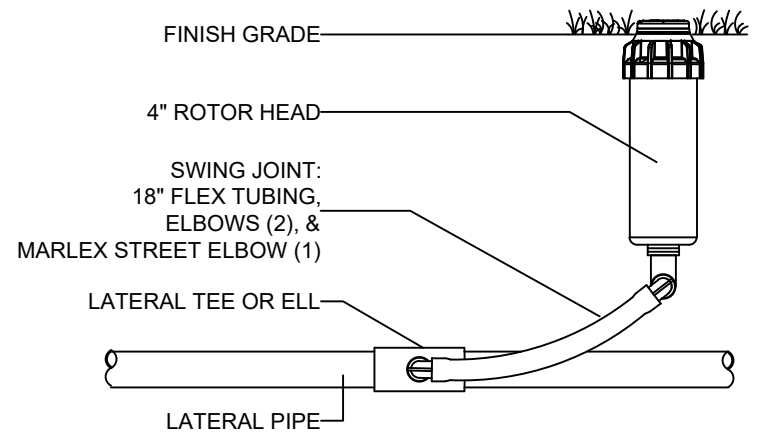
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0	MC	RC	05/21/2024	ISSUED FOR BID



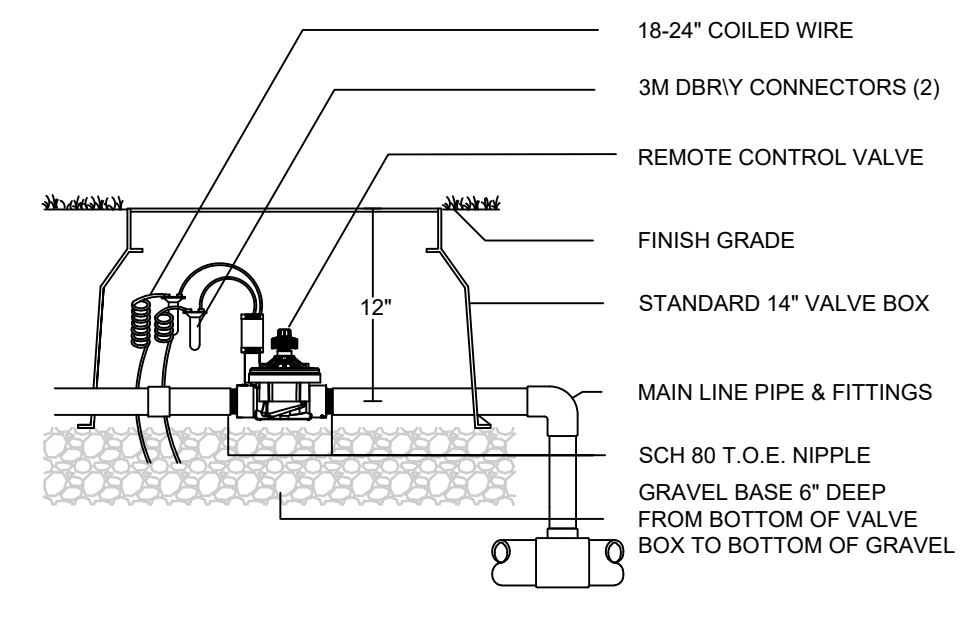
1 6" SPRAY BODY
NTS



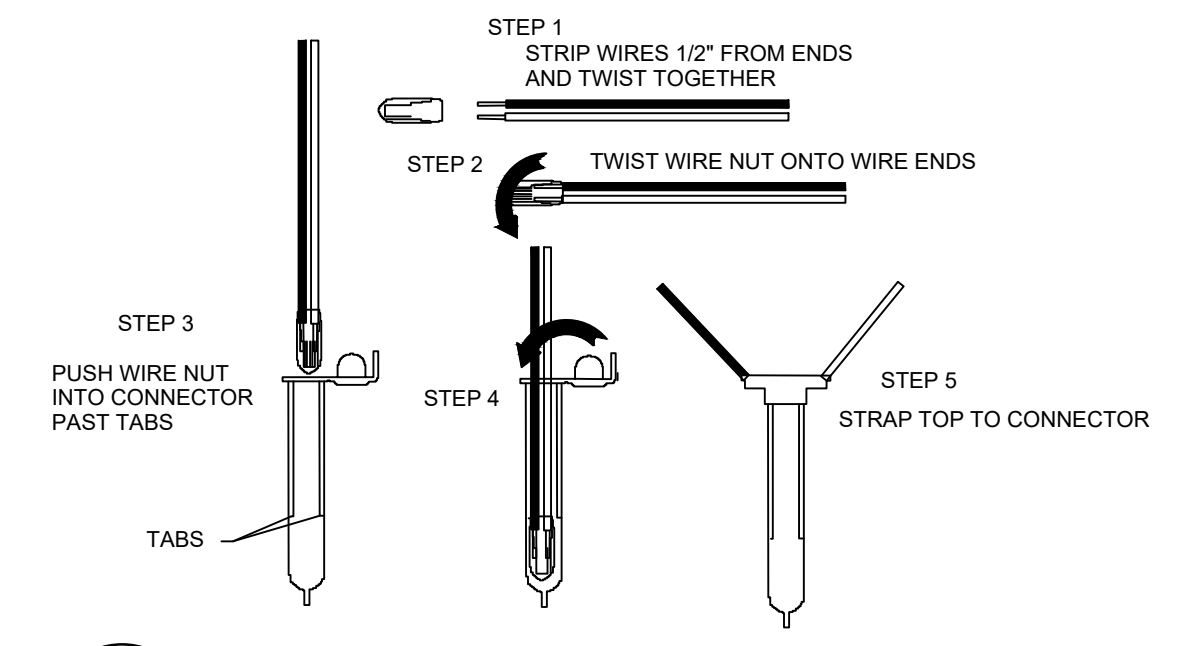
2 12" SPRAY BODY
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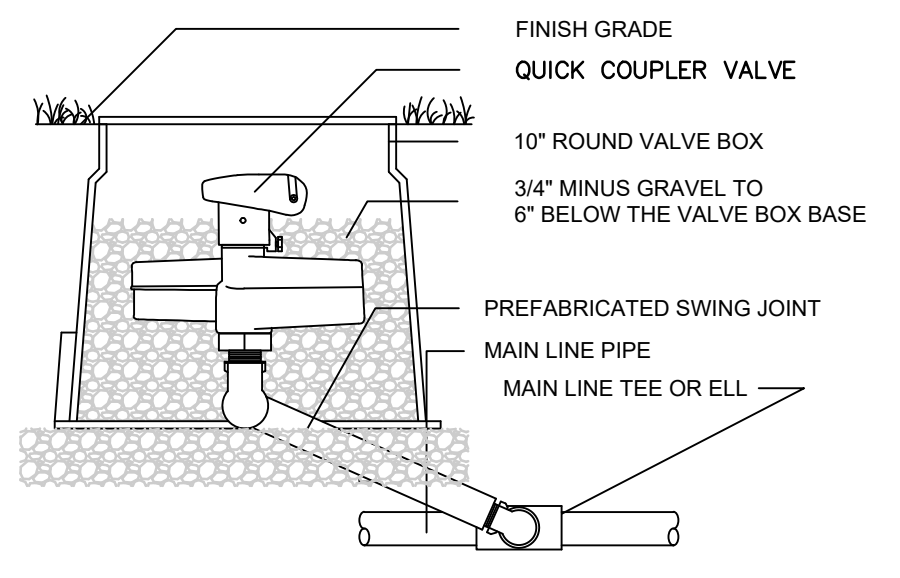
3 3/4" INLET ROTOR
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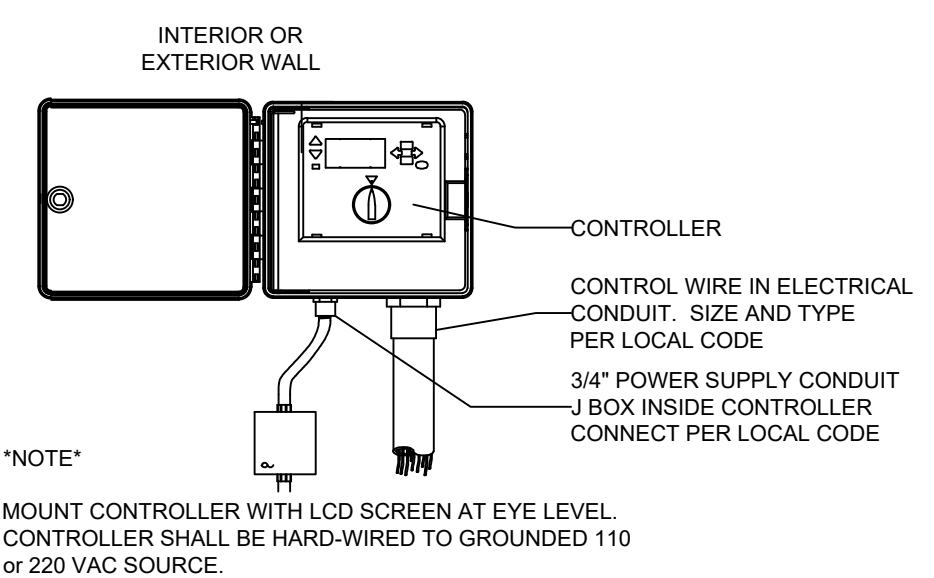
4 ELECTRIC CONTROL VALVE
NTS



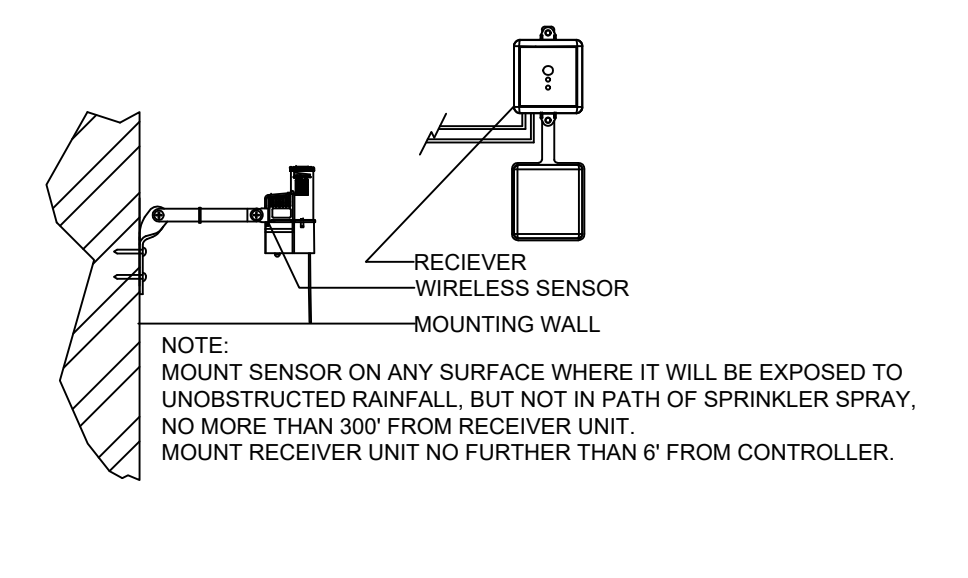
5 WIRE CONNECTION 3M-DBR6-Y
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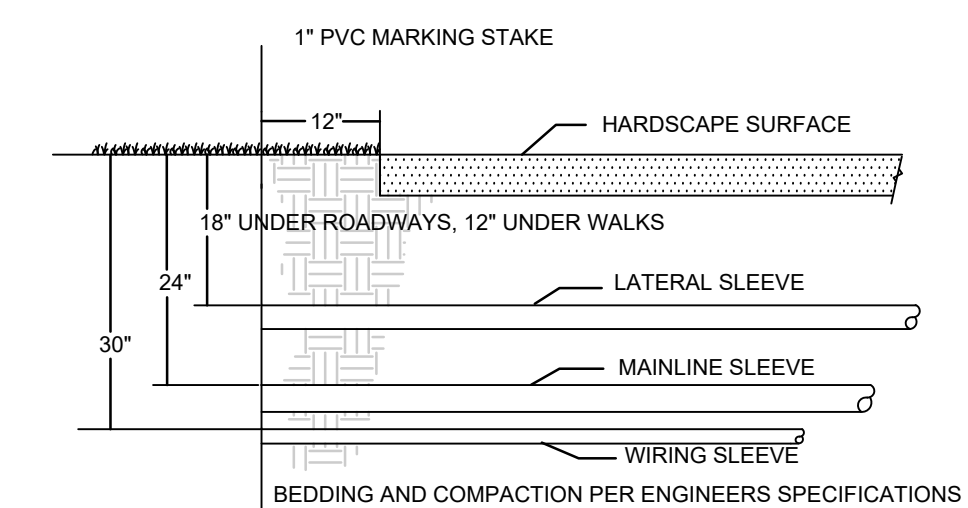
6 QUICK COUPLER VALVE
NTS



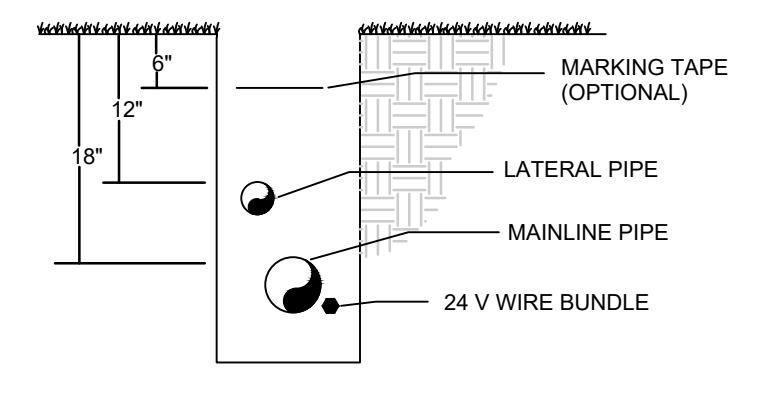
7 WALL MOUNT CONTROLLER
NTS



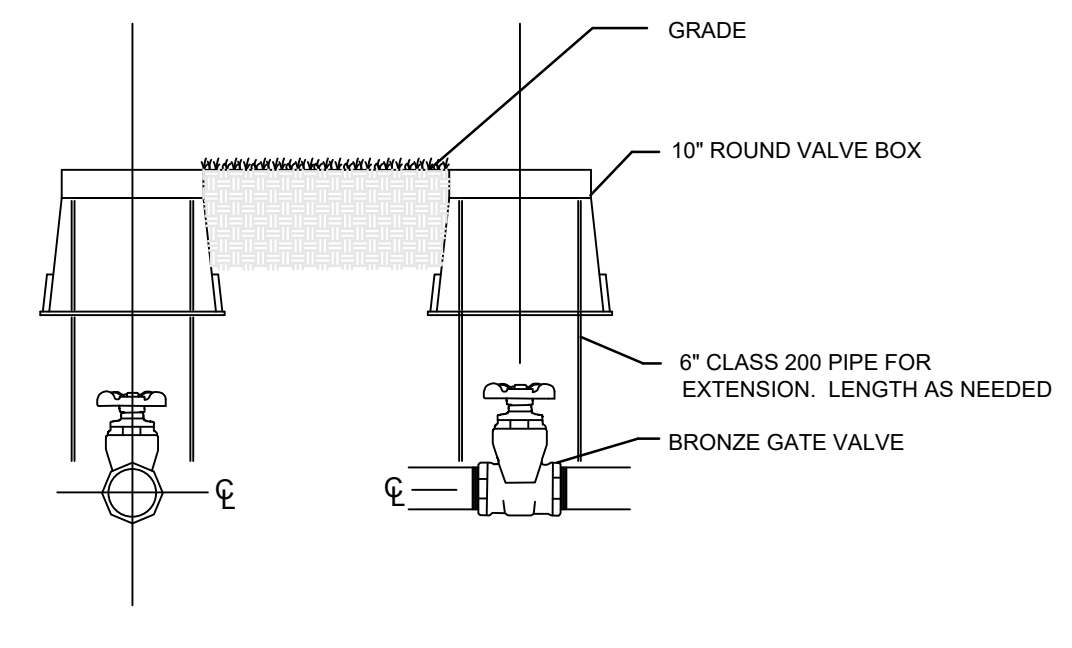
8 WIRELESS RAIN SENSOR
NTS



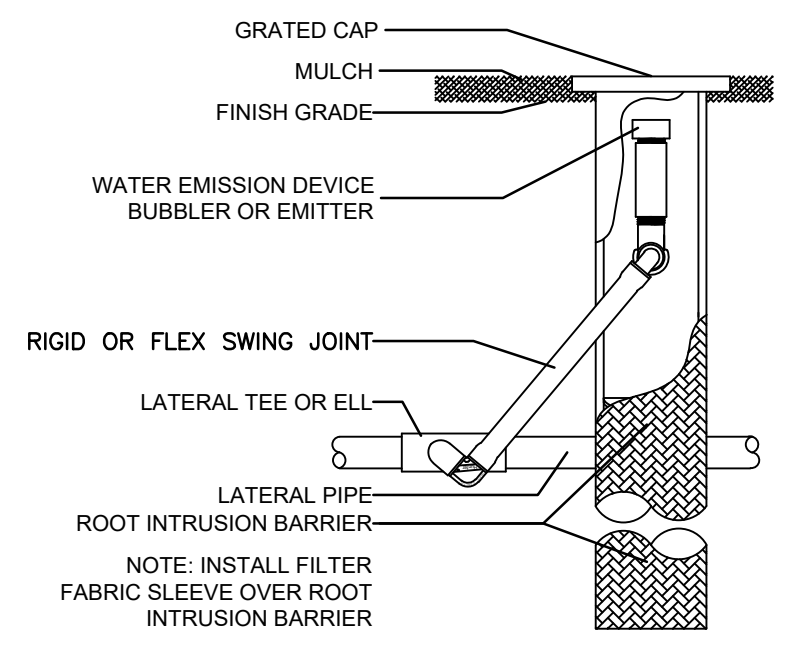
9 SLEEVING
NTS



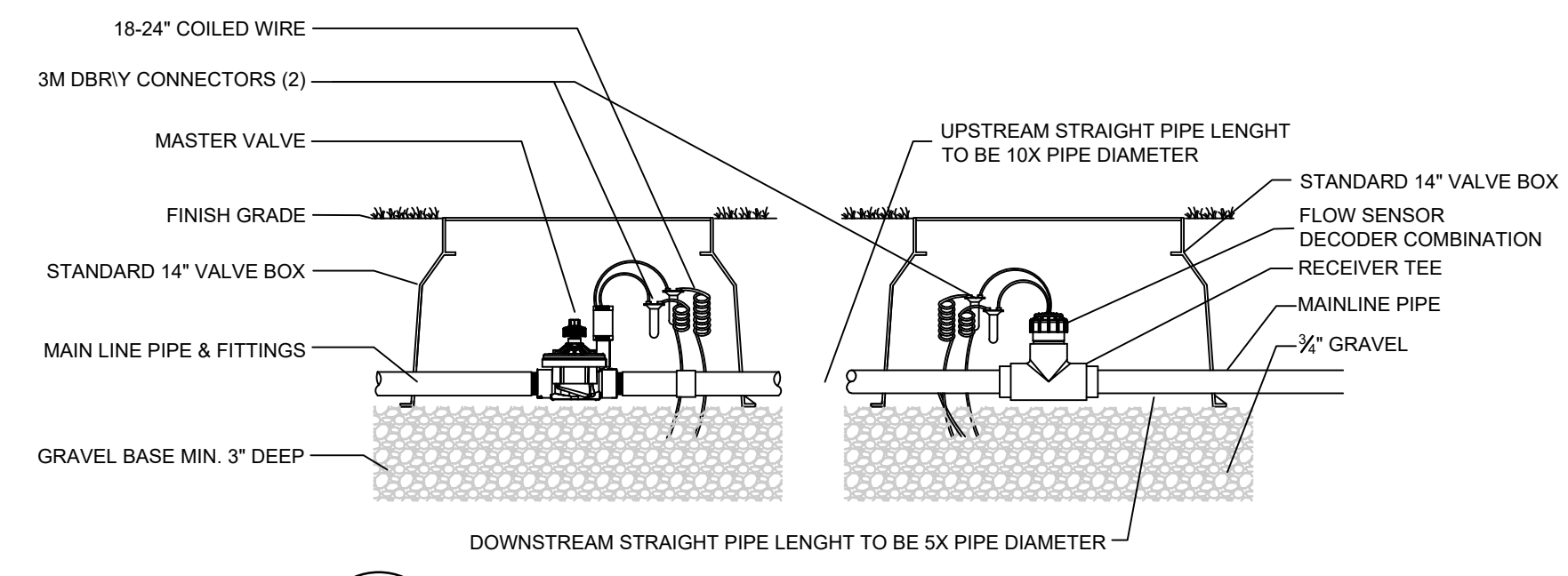
10 TRENCH PIPE AND WIRE
NTS



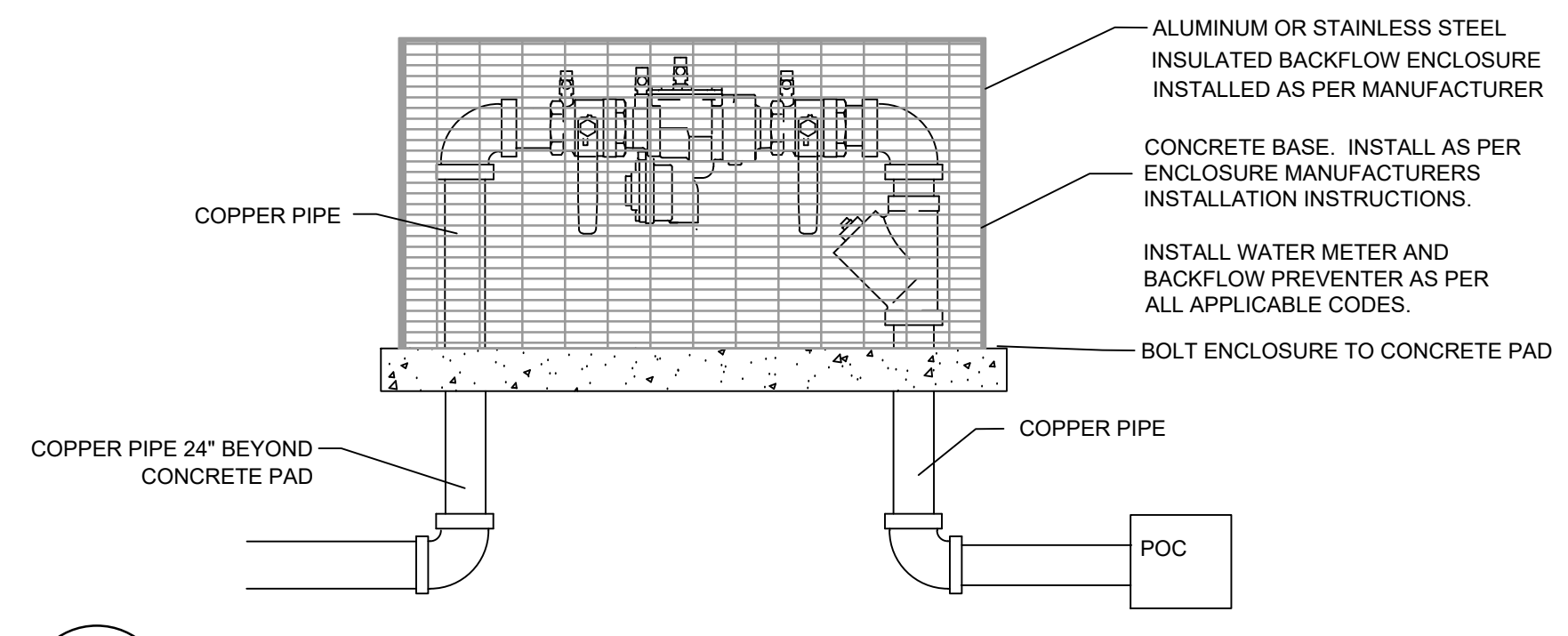
11 ISOLATION VALVE DETAIL
NTS



12 TREE ROOT ZONE WATERING SYSTEM
NTS



13 MASTER VALVE FLOW SENSOR
NTS



14 RPZ BACKFLOW PREVENTER WITH ENCLOSURE
NTS

REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID
1	05/21/2024



CODES AND STANDARDS

THE FOLLOWING CODES AND STANDARDS HAVE BEEN USED AS THE BASIS FOR DESIGN AND/OR SHALL BE UTILIZED BY THE CONTRACTOR TO ESTABLISH MINIMUM LEVELS OF QUALITY AND CONSTRUCTION TECHNIQUES.

1. GENERAL
 - A. 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMMENDMENTS.
 - B. AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" (ASCE 7-16).
2. CONCRETE
 - A. AMERICAN CONCRETE INSTITUTE, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-14).
 - B. AMERICAN CONCRETE INSTITUTE, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301-16).
 - C. AMERICAN CONCRETE INSTITUTE, "RECOMMENDED PRACTICE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (ACI 302) LATEST ADOPTED EDITION.
 - D. AMERICAN CONCRETE INSTITUTE, "CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES (ACI350-06)

DESIGN CRITERIA

THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING LOADS.

1. DEAD LOADS: ACTUAL WEIGHTS OF BUILDING MATERIALS, STRUCTURAL COMPONENTS, AND EQUIPMENT.
2. WIND LOADS
 - A. BUILDING
 1. ULTIMATE DESIGN WIND SPEED (V_{ult}) 107 MPH
 2. NOMINAL DESIGN WIND SPEED (V_{nsd}) 82.9 MPH
 3. RISK CATEGORY II
 4. EXPOSURE CATEGORY C
3. SEISMIC LOADS
 - A. BUILDING
 1. RISK CATEGORY II
 2. SEISMIC IMPORTANCE FACTOR (I_s) 1.0
 3. 0.2 SEC MAPPED SPECTRAL ACCELERATION (S_s) 0.191
 4. 1.0 SEC MAPPED SPECTRAL ACCELERATION (S_1) 0.086
 5. SITE CLASS D (ASSUMED) 0.203
 6. 0.2 SEC DESIGN SPECTRAL ACCELERATION (S_{ds}) 0.203
 7. 1.0 SEC DESIGN SPECTRAL ACCELERATION (S_{d1}) 0.138
 8. SEISMIC DESIGN CATEGORY C
 9. BASIC SEISMIC FORCE RESISTING SYSTEM FLAT BOTTOM GROUND SUPPORTED TANK (REINFORCED NON-SLIDING BASE) 0.102W KIPS
 10. DESIGN BASE SHEAR 0.102
 11. SEISMIC RESPONSE COEFFICIENT (C_s) 2.0
 12. RESPONSE MODIFICATION COEFFICIENT (R) EQUIVALENT LATERAL FORCE PROCEDURE
 13. ANALYSIS PROCEDURE USED

FOUNDATIONS

1. SHALLOW FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS REPORTED IN THE SITE SPECIFIC GEOTECHNICAL EXPLORATION REPORT PREPARED BY UNITED CONSULTING DATED OCTOBER 23, 2023. THE CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT FOR REFERENCE.
2. THE FOUNDATIONS WERE DESIGNED BASED ON THE FOLLOWING NET ALLOWABLE SOIL BEARING PRESSURES:
 - A. CONTINUOUS FOUNDATIONS 2,500 PSF
3. ALLOWABLE BEARING PRESSURES ARE BASED ON PSF AGAINST FIRM, UNDISTURBED SOIL AND OR ENGINEERED BACKFILL, WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO STEEL OR CONCRETE PLACEMENT TO ENSURE THAT THE BEARING SURFACES ARE CONSISTENT WITH THE ALLOWABLE BEARING PRESSURES NOTED.
5. CONTRACTOR SHALL KEEP ALL FREE STANDING WATER OUT OF EXCAVATION. CONTRACTOR SHALL PROVIDE DEWATERING MEASURES AS NECESSARY PRIOR TO PLACING CONCRETE.
6. EXISTING SOIL WHICH IS DEEMED NON-USABLE BY THE GEOTECHNICAL ENGINEER DUE TO FAILURE OF THE CONTRACTOR TO PROMPTLY DE-WATER THE SITE SHALL BE REMOVED AND REPLACED WITH SUITABLE FILL AT THE CONTRACTOR'S EXPENSE.
7. DESIGN OF TEMPORARY AND PERMANENT SHORING FOR EXCAVATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. FOR WALLS OR GRADE WALLS HAVING FILL ON EACH SIDE, PROCEED WITH BACKFILLING OPERATIONS SIMULTANEOUSLY IN UNIFORM LIFTS. DIFFERENTIAL ELEVATION OF TOP OF LIFTS BETWEEN EACH SIDE SHALL NOT EXCEED 18 INCHES.

CONCRETE

1. MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:
 - A. HYDRAULIC STRUCTURES 4,500 PSI
2. CONCRETE SHALL BE PROPORTIONED, BATCHED, MIXED, PLACED, CONSOLIDATED, AND CURED IN ACCORDANCE WITH ACI 301, 304, 308, 309 AND 318.
3. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
4. WHERE STRIP/GRADE FOOTINGS OR WALLS INTERSECT COLUMN FOUNDATIONS, LONGITUDINAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH THE COLUMN FOUNDATION.
5. UNLESS OTHERWISE SHOWN, THE CONCRETE CLEAR COVER AT ALL REINFORCING STEEL SHALL BE:
 - A. CONCRETE CAST AGAINST EARTH 3"
 - B. CONCRETE EXPOSED TO EARTH OR WEATHER 2"
 - C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER 3/4"
6. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED IN ACCORDANCE WITH ACI 304 AND ACI 309.
7. PROVIDE 3/4"x3/4"x45 DEGREE CHAMFERED CORNERS AT ALL EXPOSED CONCRETE CORNERS UNO.
8. STRIP TYPE WATERSTOPS SHALL BE NON-EXPANSIVE, SUCH AS VINYLEX BLUESTOP OR APPROVED EQUIVALENT.

REINFORCING STEEL FOR CONCRETE

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 (DEFORMED).
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO ACI MNL-06, THE CRSI, "MANUAL OF STANDARD PRACTICE," AND ACI 318.
3. REINFORCING STEEL SHALL BE CONTINUOUS ACROSS ALL CONSTRUCTION JOINTS UNO.
4. REINFORCING STEEL SHALL NOT BE HEATED OR WELDED AND MUST BE DRY AND FREE OF CONTAMINANTS SUCH AS RUST, DIRT, GREASE, AND PROTECTIVE COATINGS.
5. ALL BAR SPLICES SHALL BE CLASS B TENSION SPLICES IN ACCORDANCE WITH ACI 318.

MISCELLANEOUS

1. GENERAL NOTES AND TYPICAL DETAILS DESCRIBE GENERAL CRITERIA APPLICABLE TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT REGARDLESS OF WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED IN THE PLANS OR DETAILS.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE STRUCTURAL ENGINEER BEFORE CONTINUING WITH CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE LANDSCAPE ARCHITECT, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND CIVIL DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.
4. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR DIMENSIONS TO BE CONFIRMED AT THE JOBSITE, FOR FABRICATION PROCESSES, AND FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION.
5. NO SUBSTITUTIONS OF MATERIAL WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
6. SHOP DRAWINGS SHALL NOT BE REVIEWED FOR APPROVAL UNLESS CHECKED BY THE FABRICATOR AND APPROVED BY THE CONTRACTOR.
7. CONTRACTOR SHALL COMPLY WITH LOCAL, STATE, FEDERAL AND OWNERS SAFETY REGULATIONS WHILE WORKING. STRUCTURAL ENGINEER DOES NOT ASSUME ANY RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY.
8. CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCY. NOTIFY STRUCTURAL ENGINEER IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.

SLAB ON GRADE

1. BASE MATERIAL FOR SLABS ON GRADE SHALL CONSIST OF A MINIMUM 6" THICK LAYER OF COMPACTED GRADED AGGREGATE BASE.
2. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE AGGREGATE BASE AND VERIFY MINIMUM MODULUS OF SUBGRADE REACTION OP 120 PCI HAS BEEN ACHIEVED.
3. EXCAVATED / STRIPPED AREAS SHALL BE PROOF-ROLLED WITH APPROPRIATE EQUIPMENT AS APPROVED BY THE GEOTECHNICAL ENGINEER. SOFT AREAS SHALL BE REMOVED AND REPLACED WITH APPROVED BACKFILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. ADEQUATE MEASURE TO PREVENT PLASTIC SHRINKAGE OF SLAB SHALL BE TAKEN BY THE CONTRACTOR AS OUTLINED IN ACI 302.1R (SECTION 11.2.2.1).

STATEMENT OF SPECIAL INSPECTIONS

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:

1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED WITHIN THIS STRUCTURAL QUALITY ASSURANCE PLAN.
2. ACKNOWLEDGEMENT THAT CONTROL SHALL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.
4. 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:

1. PROVIDE COPY OF CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR.
2. NOTIFY THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW ASSIGNMENT OF PERSONNEL AND SCHEDULING OF TESTS.
3. COOPERATE WITH SPECIAL INSPECTOR AND PROVIDE ACCESS TO WORK.
4. PROVIDE SAMPLES OF MATERIALS TO BE TESTED IN REQUIRED QUANTITIES.
5. PROVIDE STORAGE SPACE FOR THE SPECIAL INSPECTOR'S EXCLUSIVE USE, SUCH AS FOR STORING AND CURING CONCRETE TESTING SAMPLES.
6. 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.

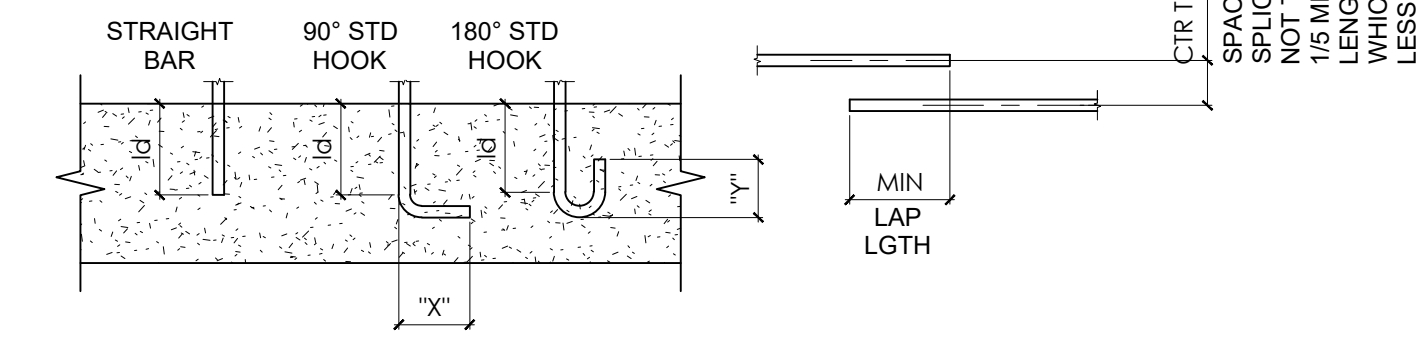
TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD*	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: <ol style="list-style-type: none"> A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND C. INSPECT ALL OTHER WELDS. 	-	X	AWS D1.4 ACI 318: 26.6.4	-
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS ^a : <ol style="list-style-type: none"> A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A. 	X	-	ACI 318: 17.8.2.4	-
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: <ol style="list-style-type: none"> A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS. 	X	-	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: 26.9	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1, 2(b)	-
a. WHERE APPLICABLE, SEE SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.				

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

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

FOR CLEAR COVER OF 2", Fc = 4,500 PSI, & GRADE 60 STEEL										
BAR SIZE	DIAMETER (db) (INCHES)	DEVELOPMENT LENGTH (ld) (INCHES)		CLASS A LAP SPLICE (INCHES)		CLASS B LAP SPLICE (INCHES)		90° STD. HOOK (INCHES)	180° STD. HOOK (INCHES)	
		"TOP" BARS	OTHER	"TOP" BARS	OTHER	"TOP" BARS	OTHER	HOOK	ldh	ldh
REINFORCING BARS IN TENSION										
#3	0.375	12	9	12	9	15	12	6	7	6
#4	0.5	15	12	15	12	20	15	8	10	6
#5	0.625	19	15	19	15	24	19	10	12	6
#6	0.75	23	17	23	17	30	23	12	14	6
#7	0.875	33	25	33	25	42	33	14	17	7
#8	1.0	37	29	37	29	48	37	16	19	8
#9	1.128	46	36	46	36	60	46	20	22	11
#10	1.27	57	44	57	44	74	57	22	24	12
#11	1.41	68	53	68	53	90	68	24	27	13
REINFORCING BARS IN COMPRESSION										
#3	0.375	8		12		HOOKED BARS SHALL NOT BE USED IN COMPRESSION				
#4	0.5	10		15						
#5	0.625	12		19						
#6	0.75	14		23						
#7	0.875	17		26						
#8	1.0	19		30						
#9	1.128	22		34						
#10	1.27	24		38						
#11	1.41	27		42						



- NOTES:
1. "TOP" BARS SHALL BE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
 2. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED SHALL
 - A. NOT BE LESS THAN d , HAVE CLEAR COVER NOT LESS THAN d , AND STIRRUPS OR
 - B. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN $2d$ AND CLEAR COVER NOT LESS THAN d .
 WHERE d = DIAMETER OF REINFORCING BAR AND l = DEVELOPMENT LENGTH.
 3. ALL LAP SPLICES SHALL BE CLASS B UNO.

1 STANDARD HOOK & REINFORCING LAP SPLICES (4,500 PSI CONC.)

SCALE - N.T.S.



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Date: 2024.05.06
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FOUNTAIN STRUCTURAL GENERAL NOTES
 CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

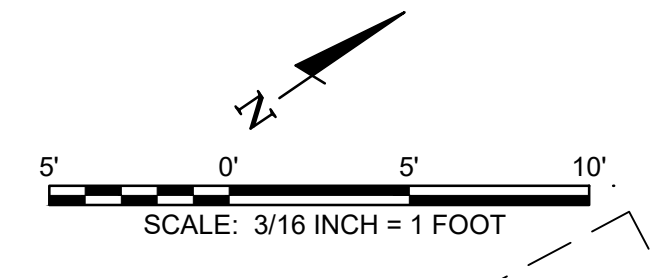
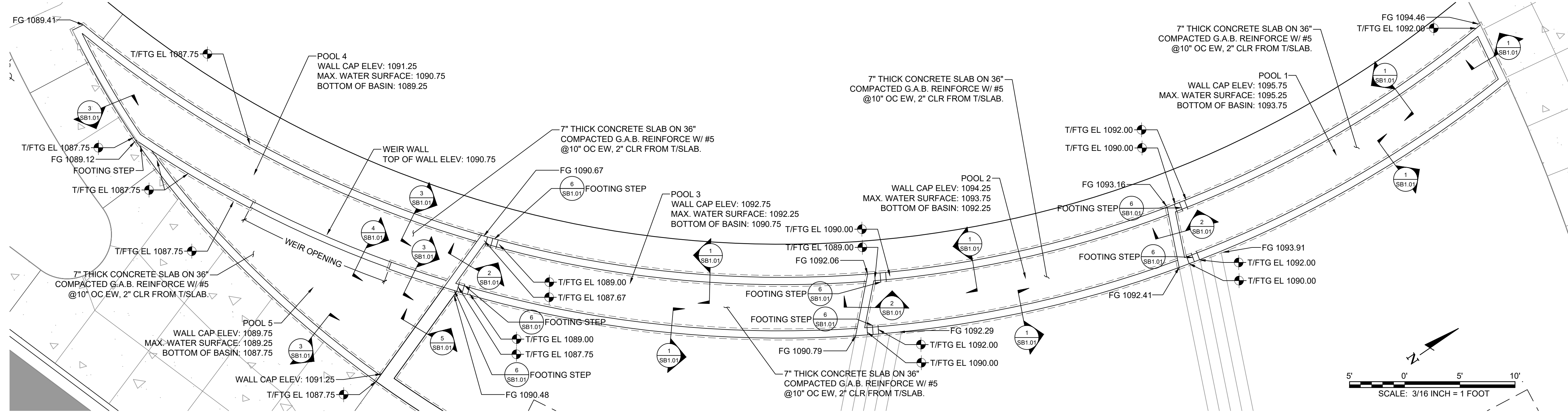
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SB0.01

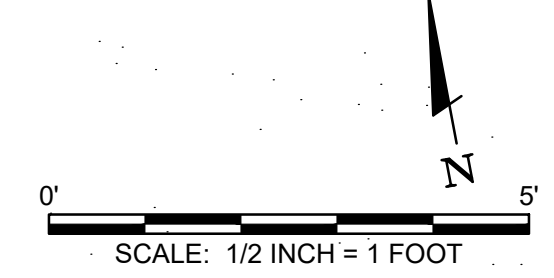
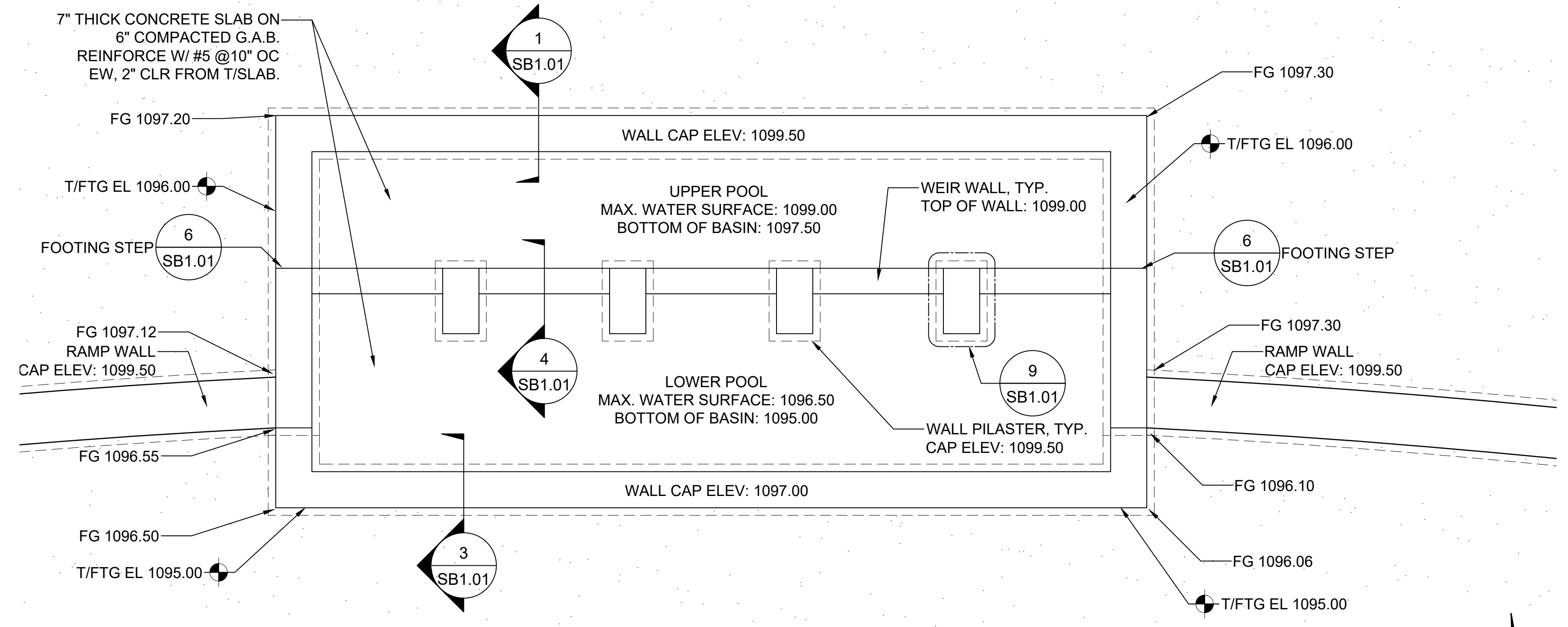
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1 LAWN WATER FEATURE - PLAN VIEW
SB1.00 3/16" = 1'-0"



1 PLAZA WATER FEATURE - PLAN VIEW
SB1.00 1/2" = 1'-0"

SITE DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
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SB1.00

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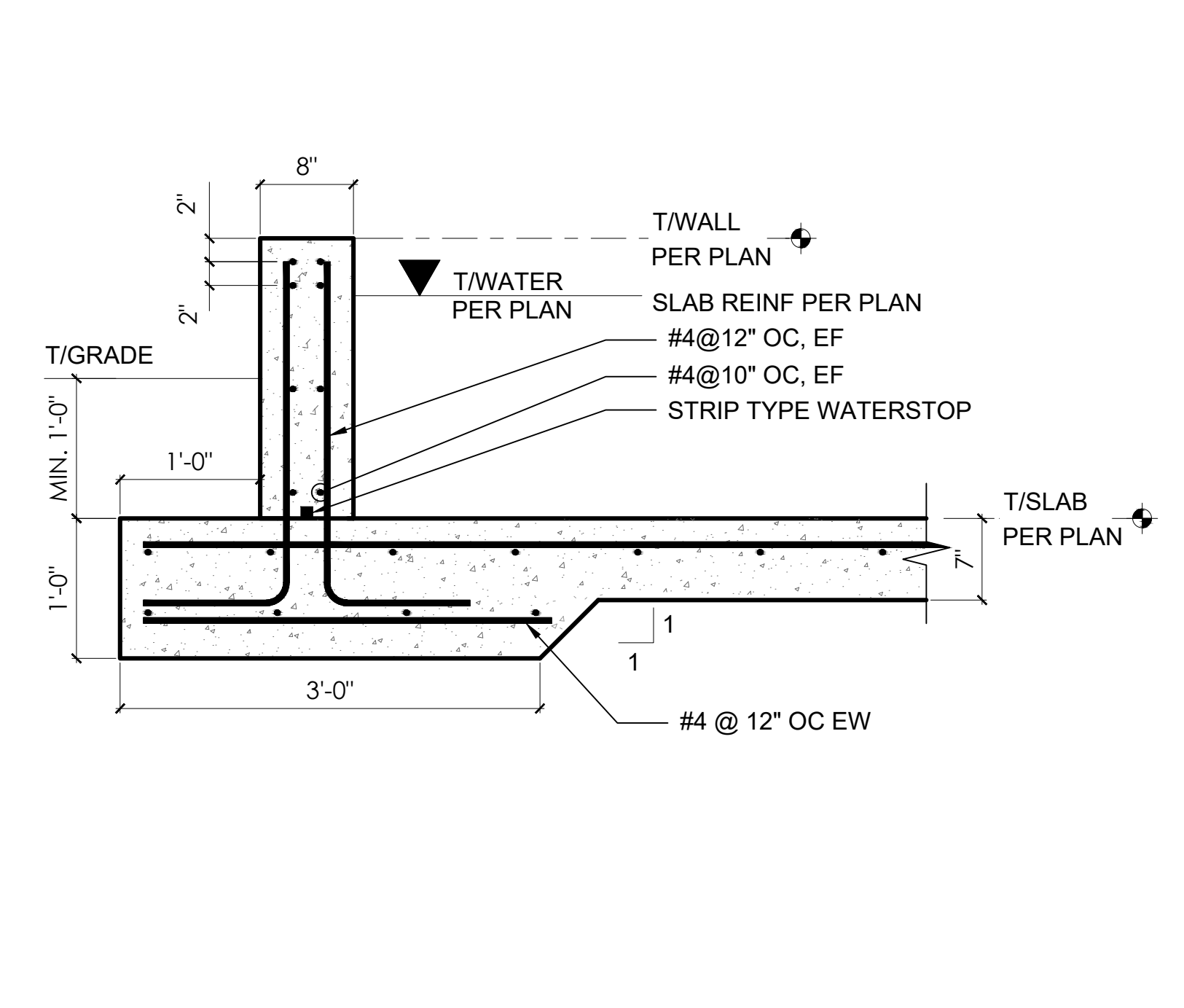
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TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

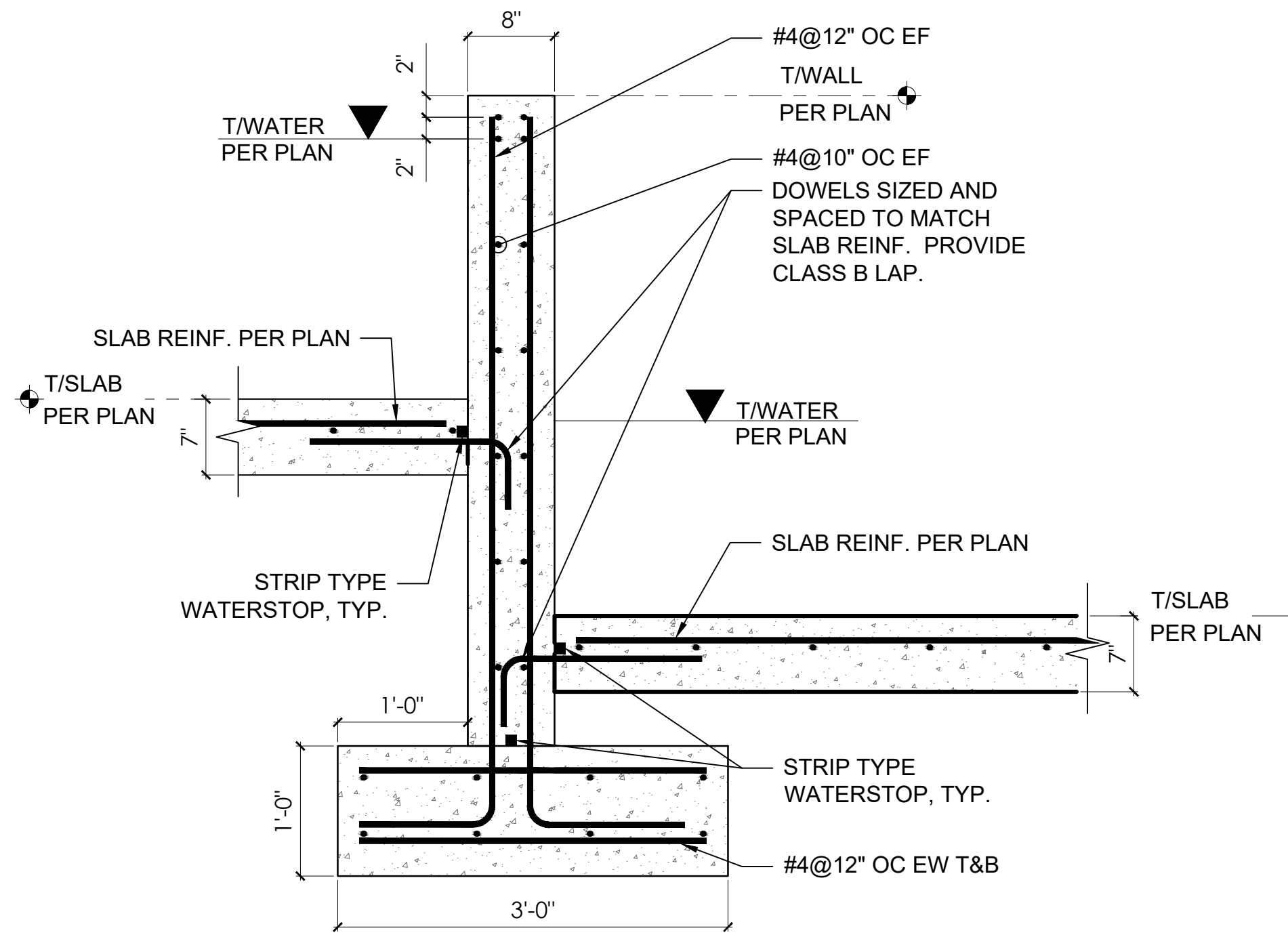
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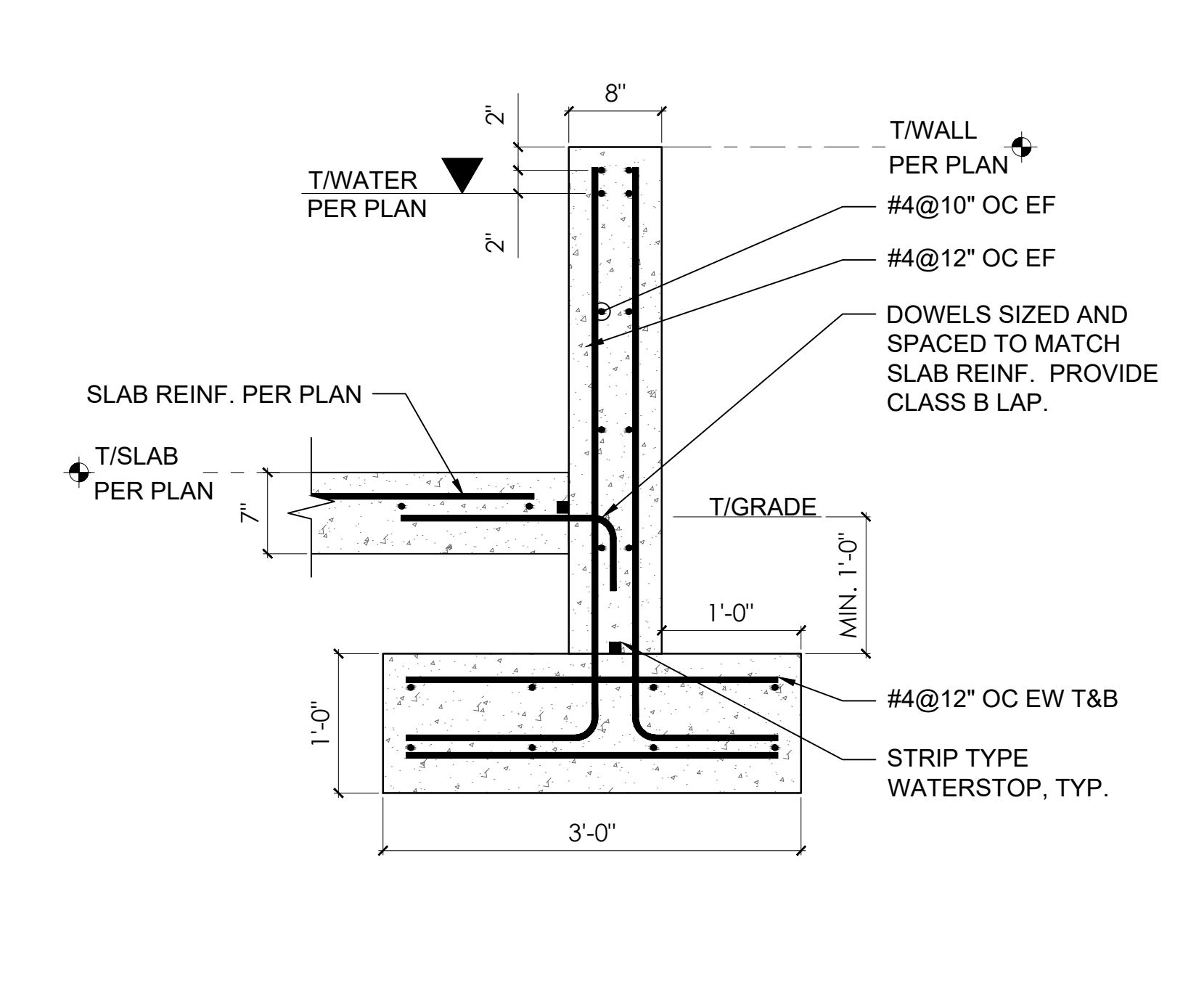
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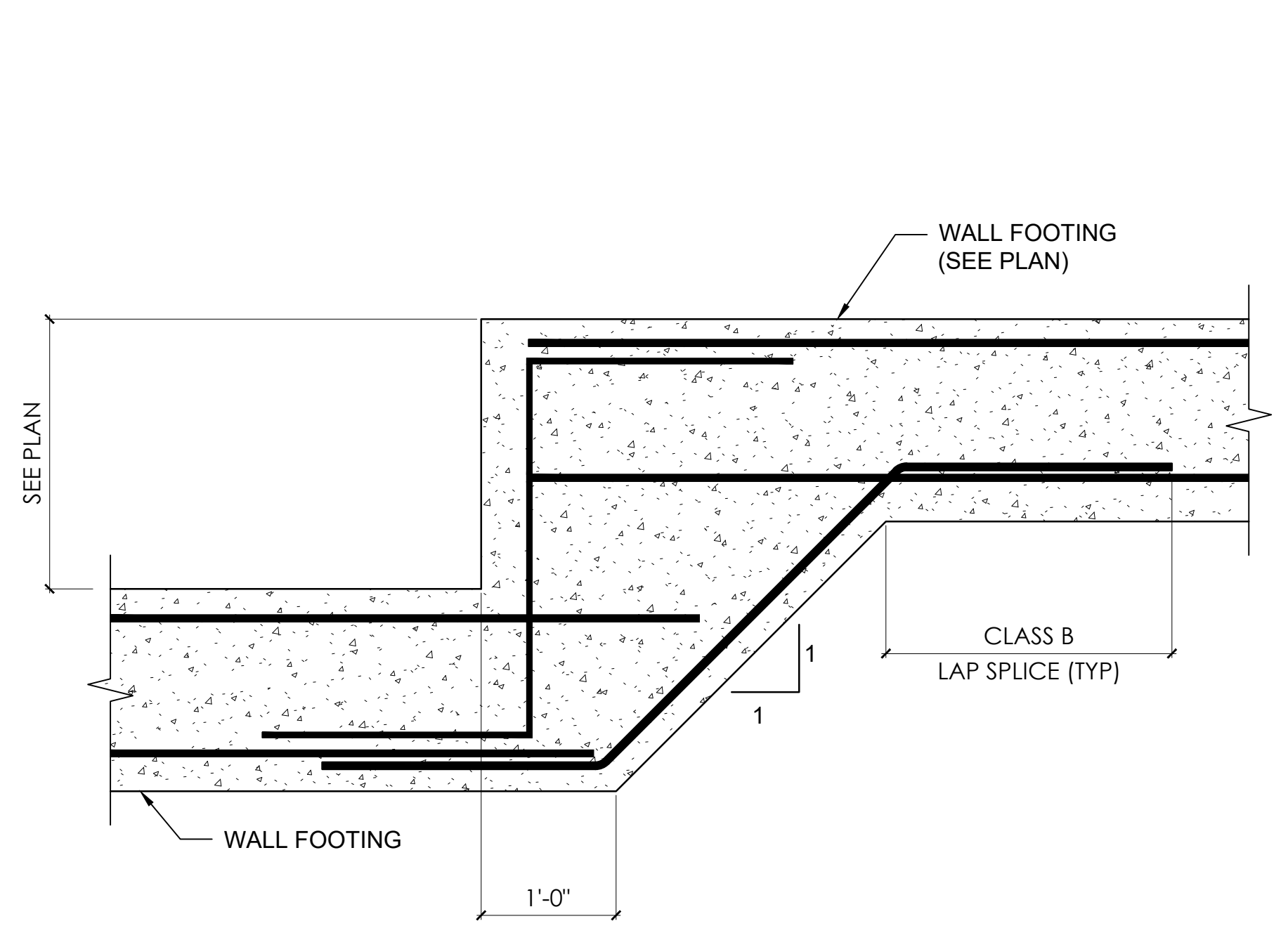
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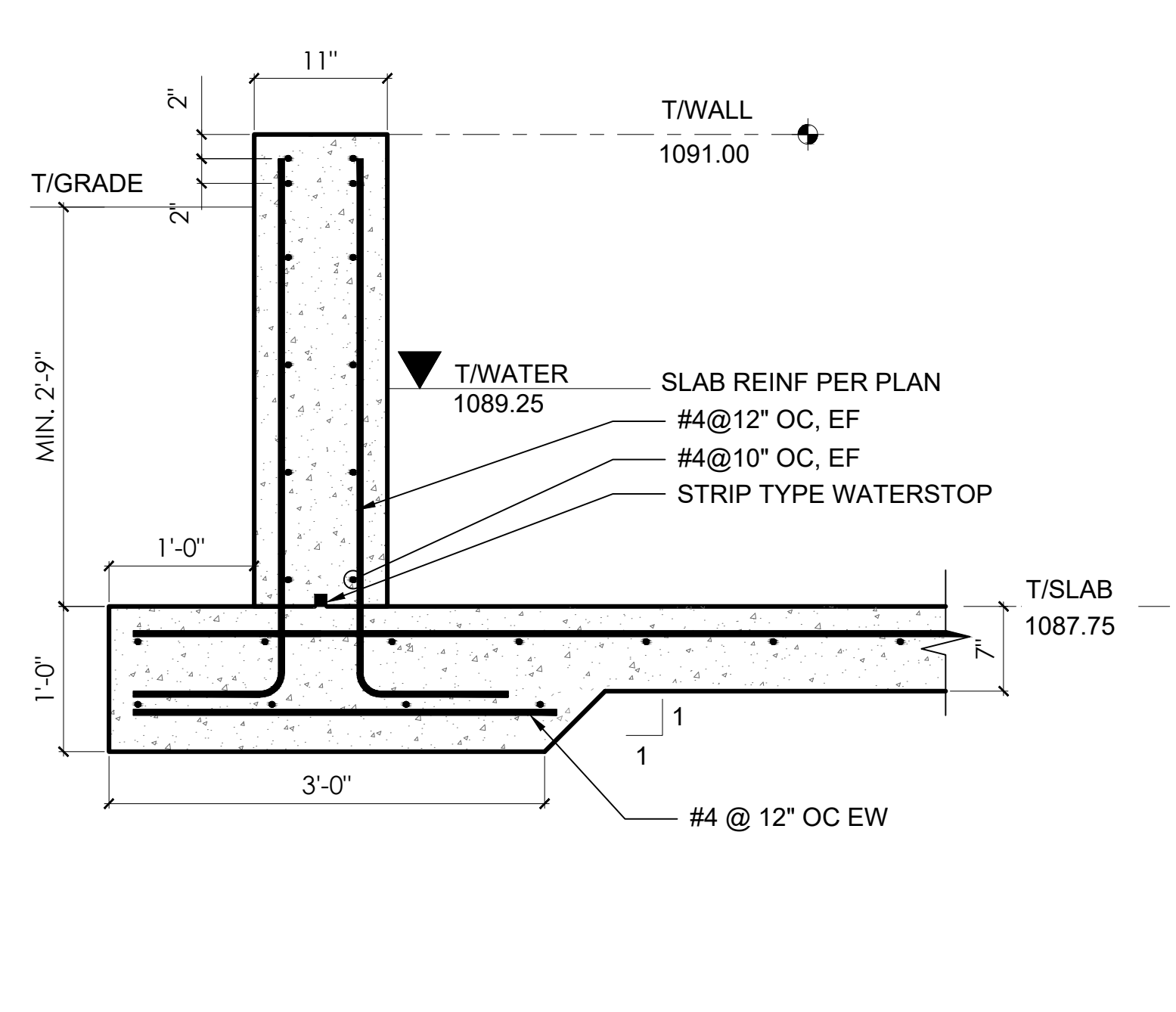
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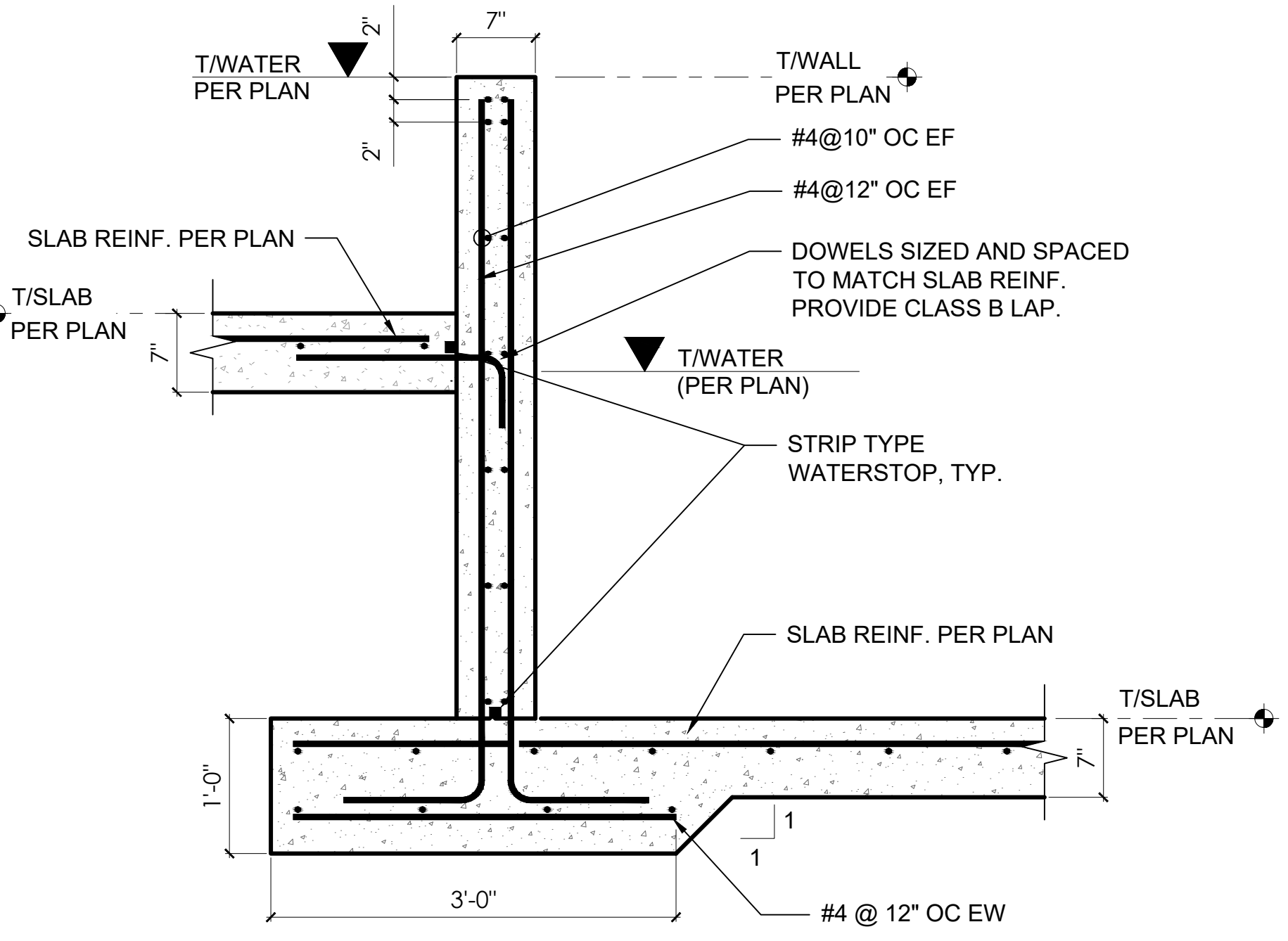
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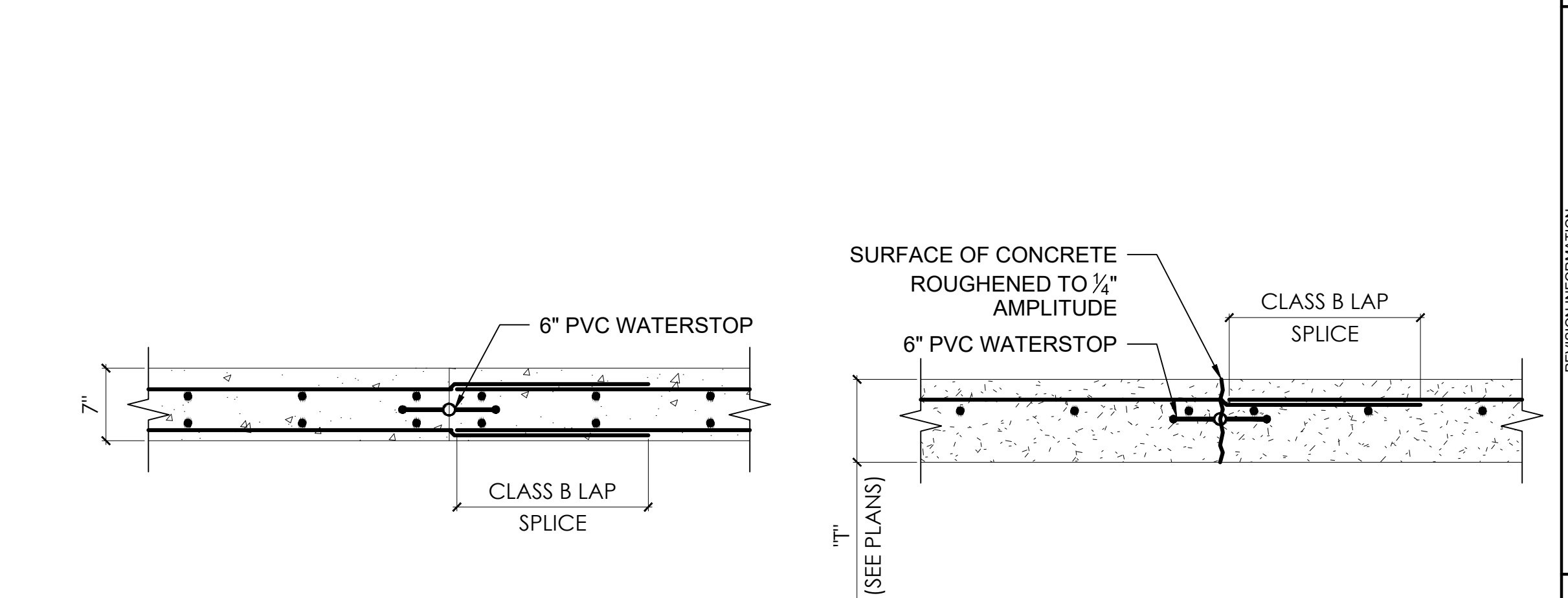
6 TYPICAL STEP FOOTING SECTION SCALE - N.T.S.



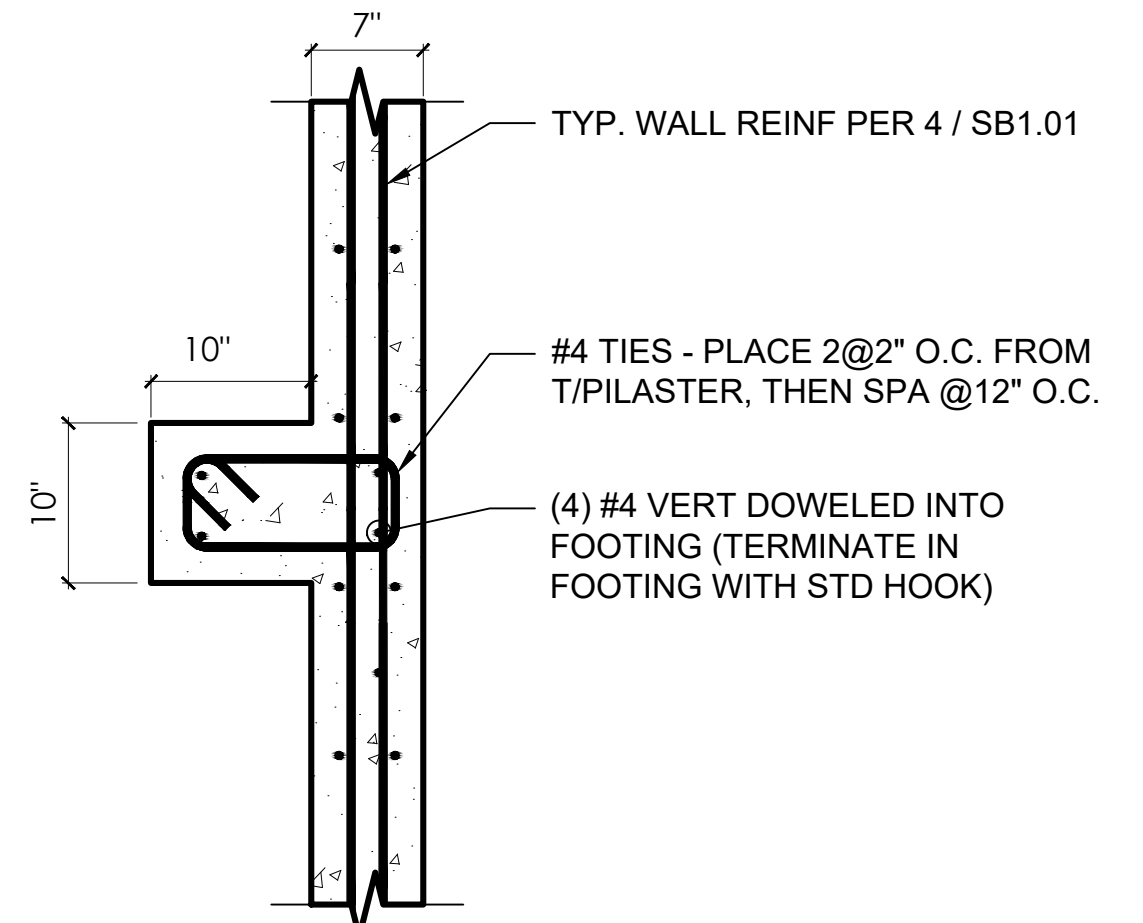
5 FOUNTAIN WALL SECTION SCALE - N.T.S.



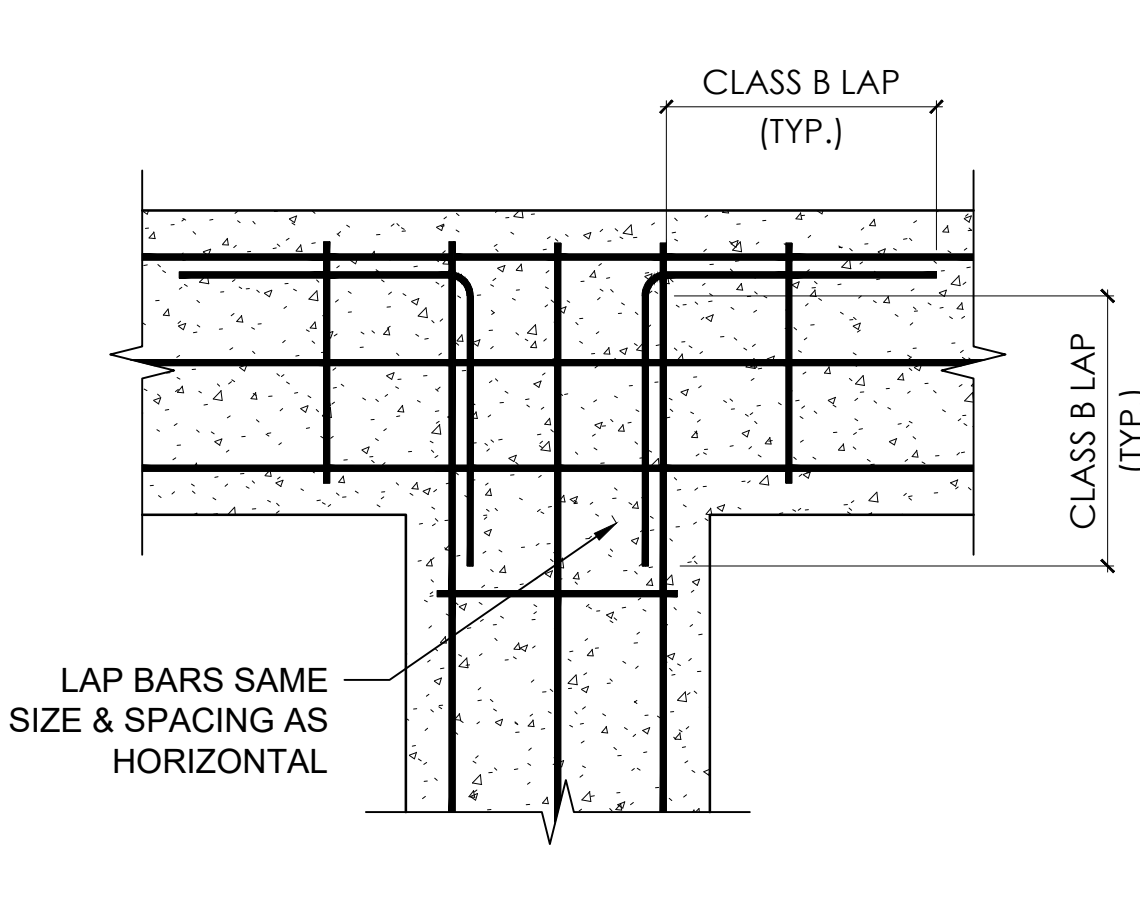
4 FOUNTAIN WEIR WALL SECTION SCALE - N.T.S.



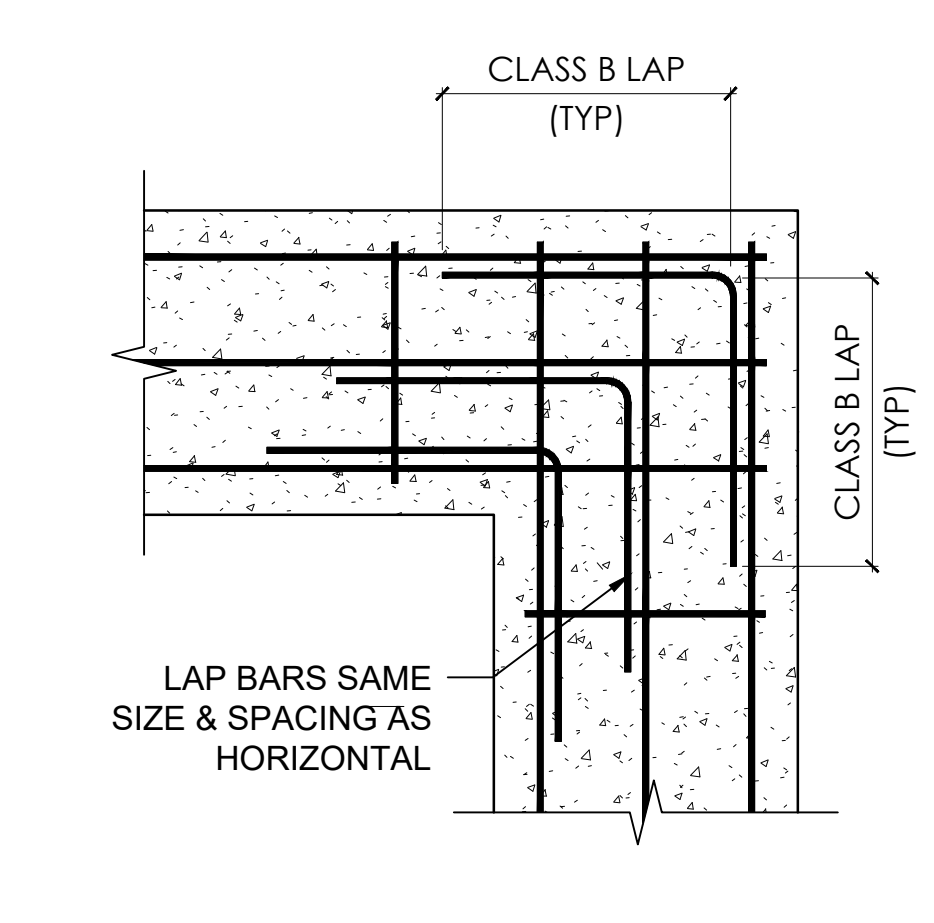
10 WALL CONSTRUCTION JOINT SECTION SCALE - N.T.S. **11** SLAB CONSTRUCTION JOINT SECTION SCALE - N.T.S.



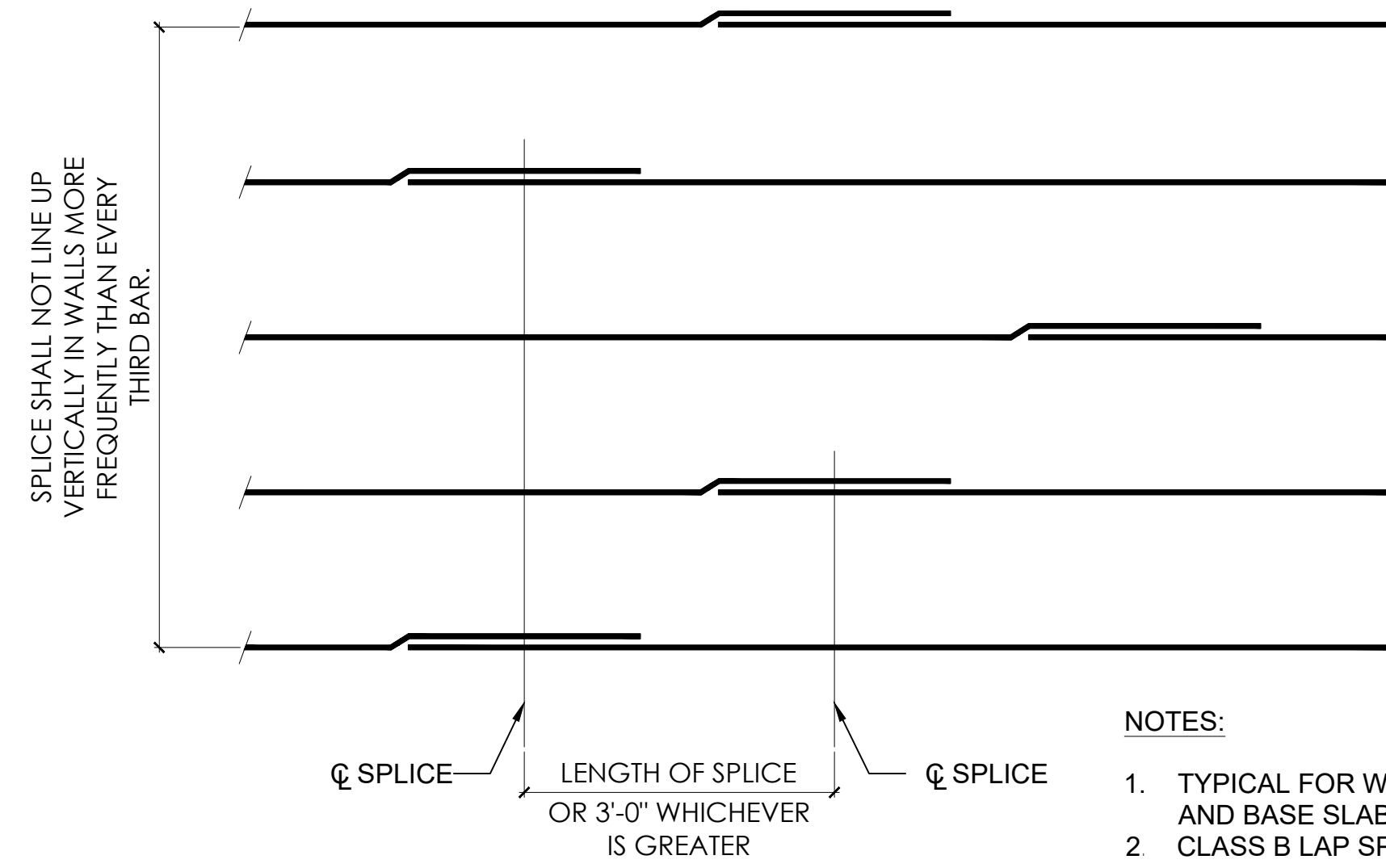
9 TYP. PILASTER SECTION SCALE - N.T.S.



8 WALL/FOOTING INTERSECTION SECTION SCALE - N.T.S.



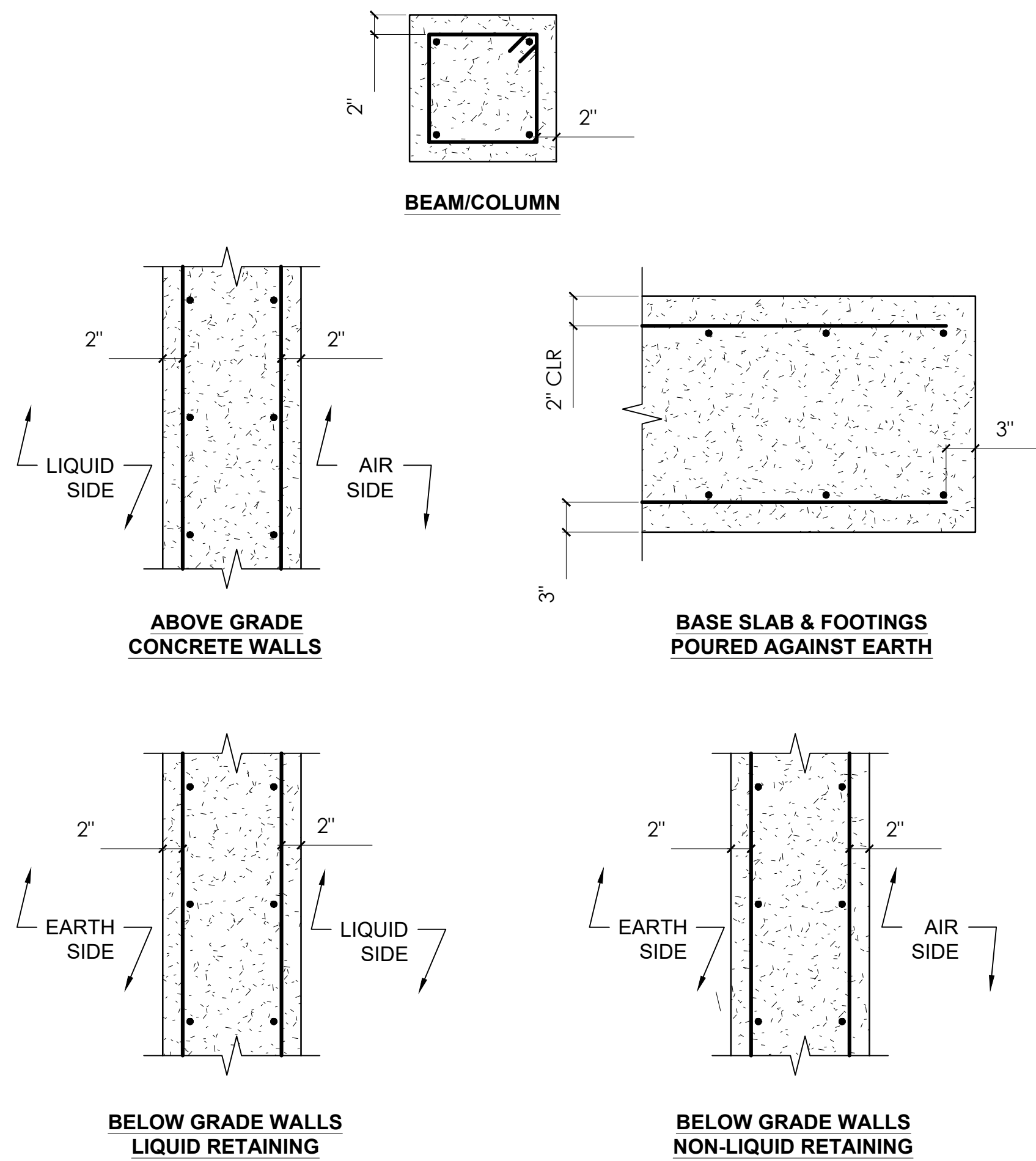
7 WALL/FOOTING CORNER SECTION SCALE - N.T.S.



- NOTES:
1. TYPICAL FOR WALL HORIZONTAL BARS AND BASE SLAB CIRCULAR BARS.
 2. CLASS B LAP SPLICE REQUIRED.

1 WALL REINFORCING LAP SPLICES

SCALE - N.T.S.



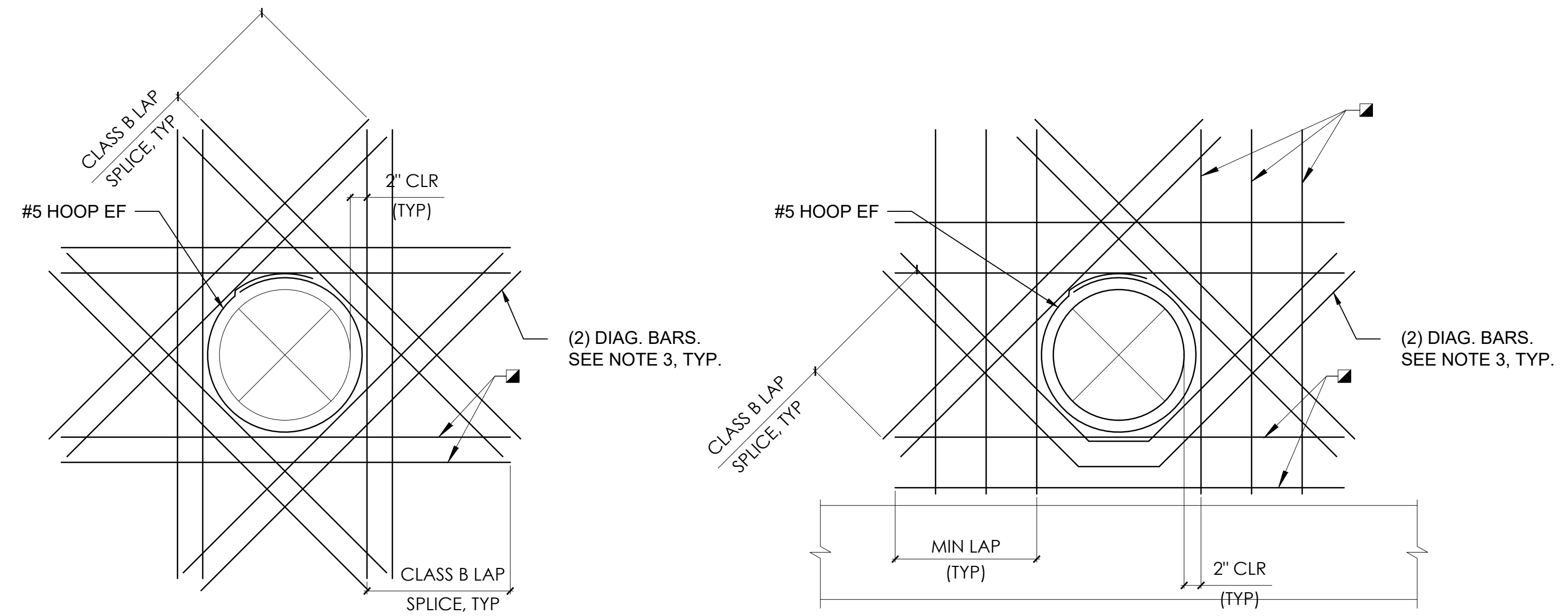
- NOTES:
1. SIZE OF ADDITIONAL REINFORCING BARS TO EQUAL SIZE OF INTERRUPTED REINFORCING BARS.
 2. PROVIDE STANDARD HOOKS FOR BARS IF LAP LENGTH EXTENSION CANNOT BE OBTAINED AT JOINTS OR OTHER OBSTRUCTIONS. PLACE ADDITIONAL BARS IN SAME PLANES AS INTERRUPTED REINFORCING.
 3. UNLESS NOTED OTHERWISE, SIZE OF DIAGONAL BARS SHALL BE THE SAME SIZE AS THE INTERRUPTED NORMAL REINFORCING.
 4. LOCATE DIAGONALS IN EACH LAYER OF REINFORCING.
 5. PLACE DIAGONAL BARS INSIDE NORMAL REINFORCING.
 6. ON EACH FACE, REPLACE HORIZONTAL AND VERTICAL BARS INTERRUPTED BY OPENING WITH BARS OF EQUAL SIZE AND NUMBER. MINIMUM OF HALF THE INTERRUPTED BARS ON EACH SIDE. SPACE ADDED BARS AT 6" OC

2 ADDITIONAL REINFORCING @ OPENINGS

SCALE - N.T.S.

3 BAR CLEARANCES SECTION

SCALE - N.T.S.



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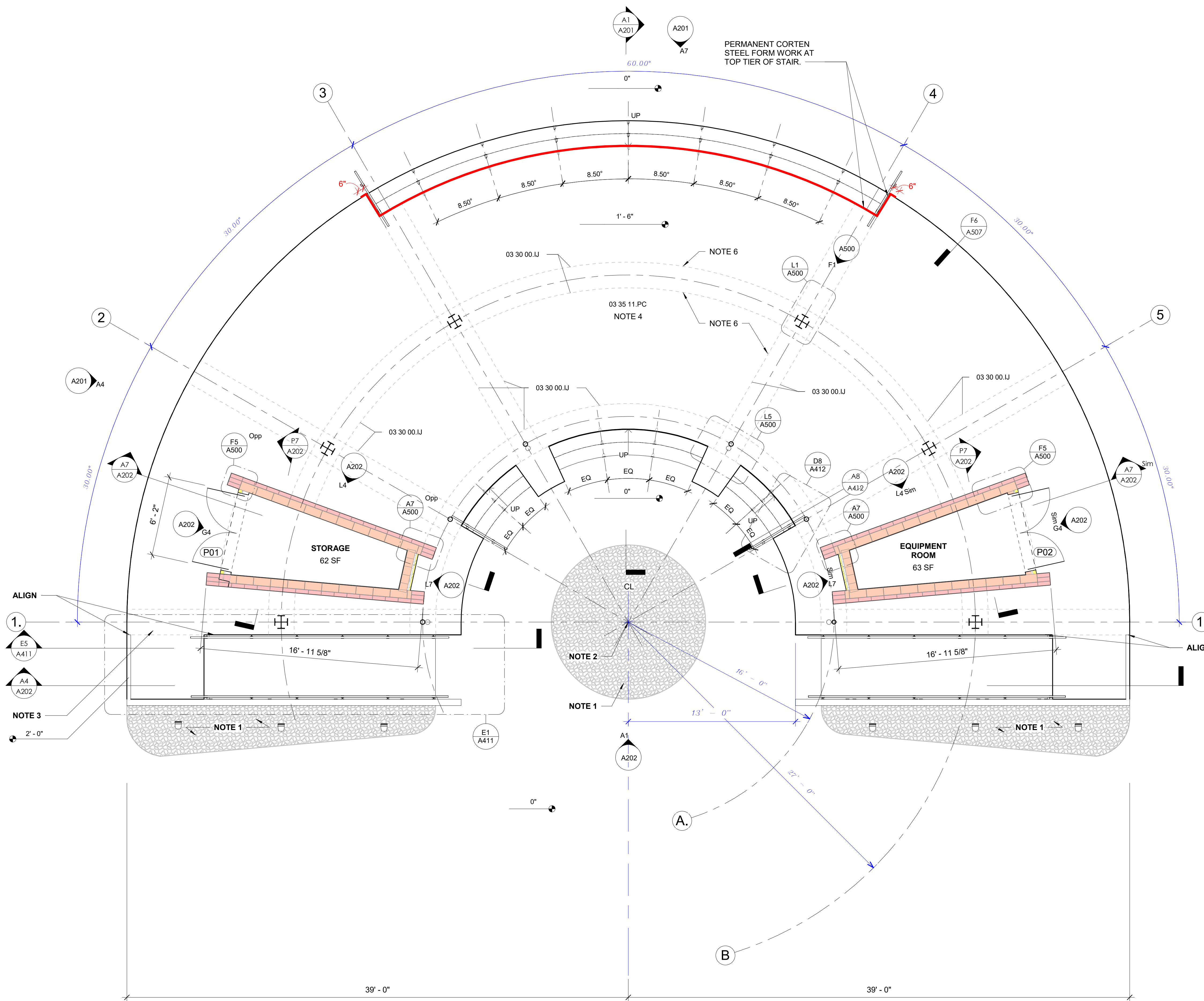
FOUNTAIN STRUCTURAL DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

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SB1.02

PROJ. NO. : 3808805



MATERIAL KEYNOTES

03 30 00.IJ	ISOLATION JOINT
03 35 11.PC	POLISHED CONCRETE

LIGHT FIXTURE LEGENDS

	LANDSCAPE LIGHTING NEAR RAMP
	IN-GROUND LIGHT FIXTURE AT STAIRS

ANNOTATION LEGENDS

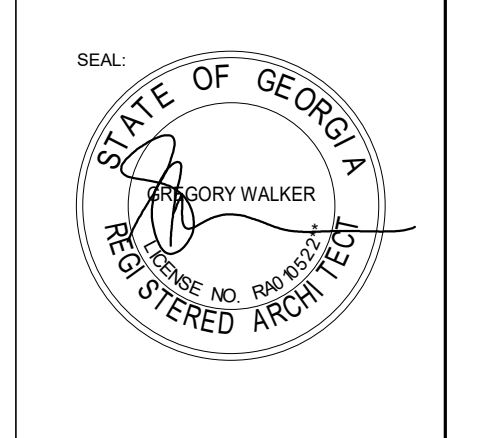
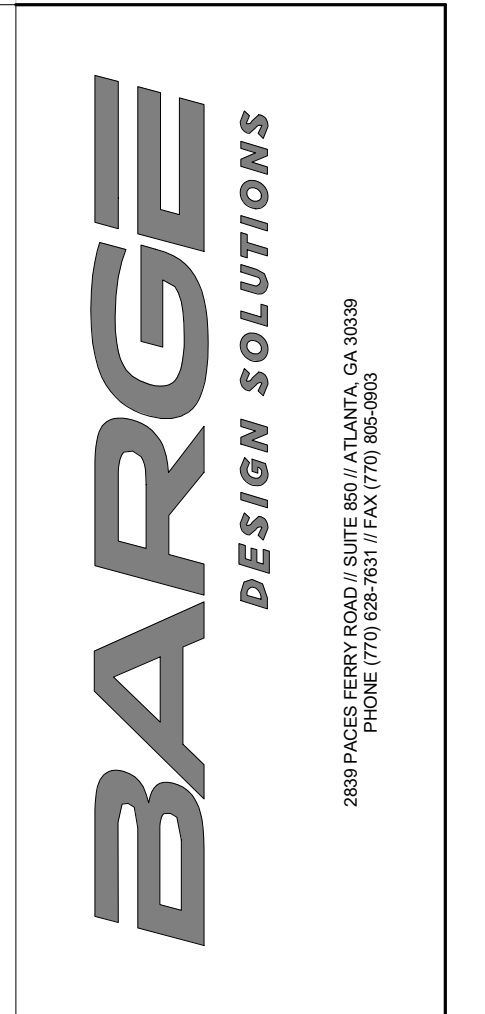
	CONTROL JOINT
	BRICK, NORMAN

GENERAL NOTES

- All dimensions are to face of finish material, unless noted otherwise.
- Provide blocking at all locations with surface mounted fixtures, devices and shelving.

SHEET-SPECIFIC NOTES

- Coordinate site landscape with LA Drawings.
- Center point of the arch as the work point.
- Extent of Roof Canopy overhead. Shown dashed in red.
- Concrete floor, integrally colored.
- Align front and back stairs.
- Control joints.



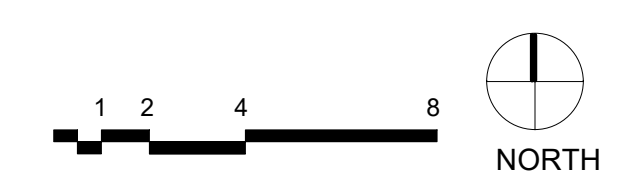
HOUSER WALKER ARCHITECTURE

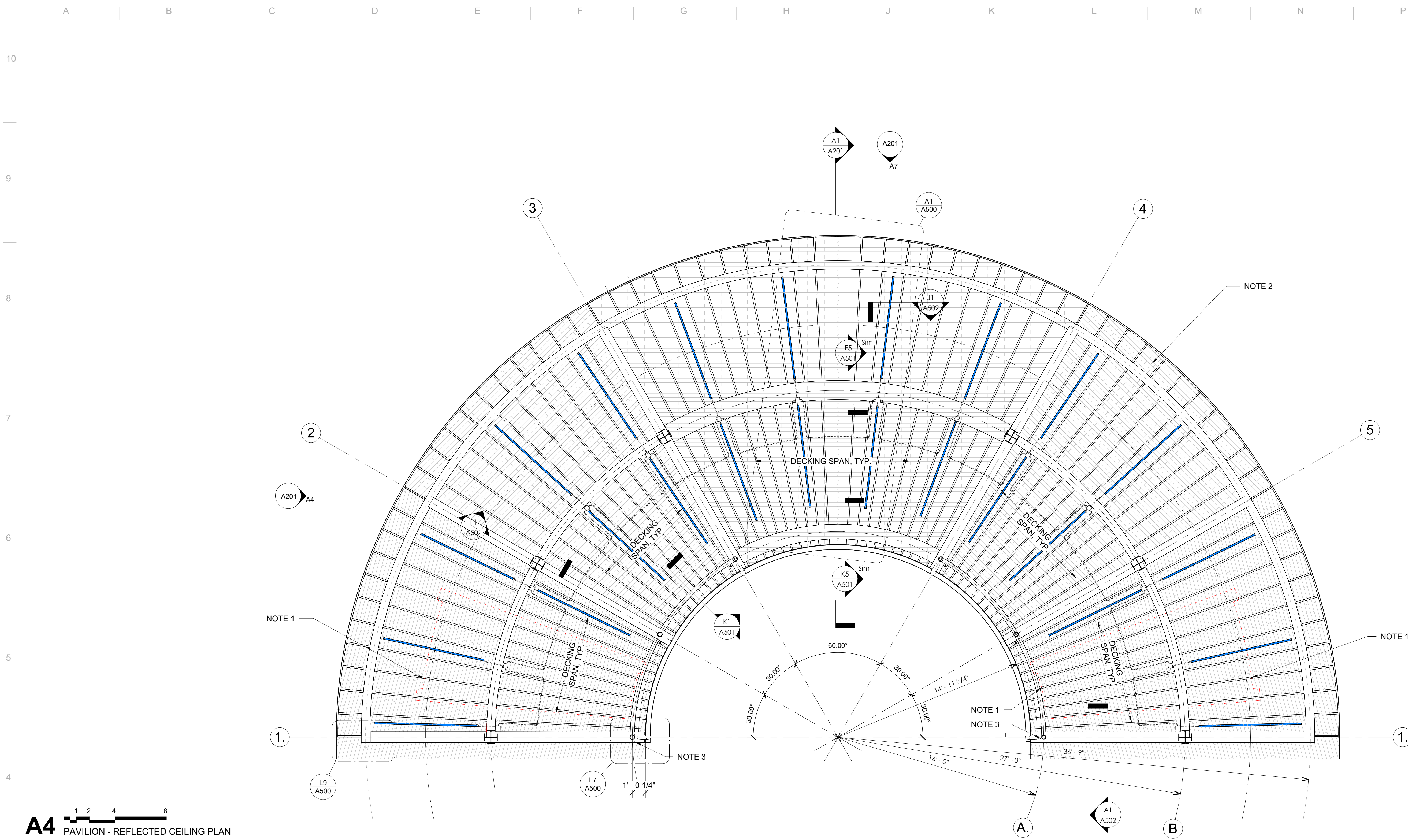
PAVILION FLOOR PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

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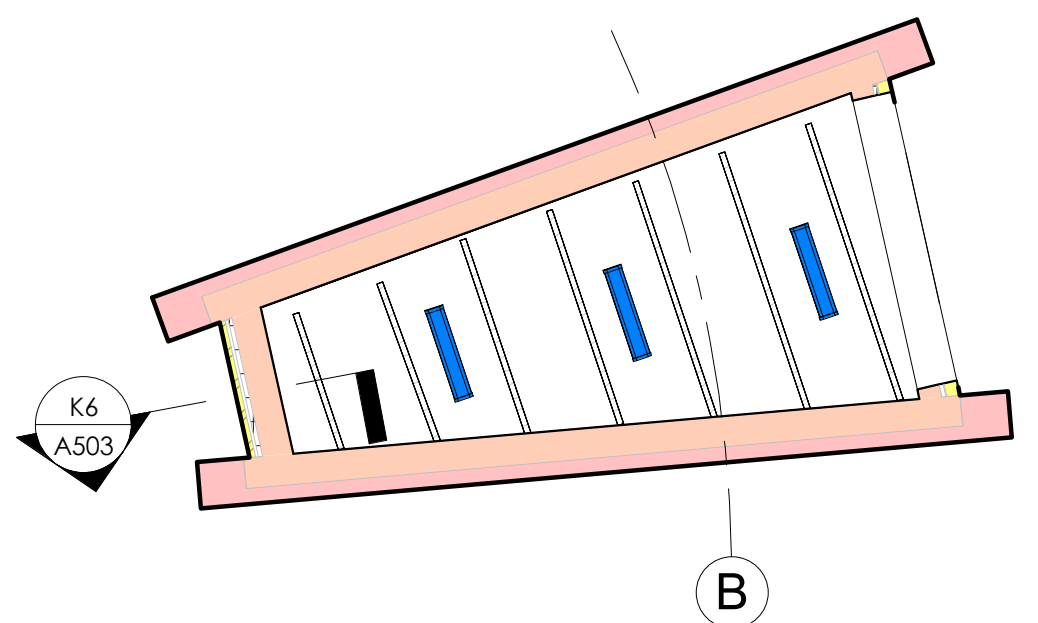
A100A

PROJ. NO. 2303





A4 1 2 4 8
PAVILION - REFLECTED CEILING PLAN



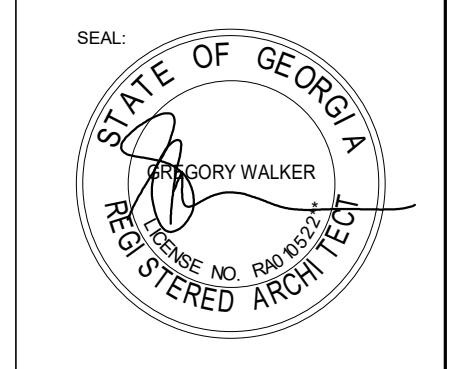
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PAVILION STORAGE RCP

- MATERIAL KEYNOTES**
- Linear light fixture
 - ▭ utility light fixture

- GENERAL NOTES**
1. Dash line indicates RCP of storage room below.
 2. Exposed underside of roof deck and roof joists throughout the pavilion.
- SHEET-SPECIFIC NOTES**
1. Dash line indicates RCP of storage room below.
 2. Exposed underside of roof deck and roof joists throughout the pavilion.

BARGE
DESIGN SOLUTIONS

2899 PACER FERRY ROAD | SUITE 807 | ATLANTA, GA 30339
PHONE: (770) 250-1177 | FAX: (770) 250-0683



HOUSER WALKER
ARCHITECTURE

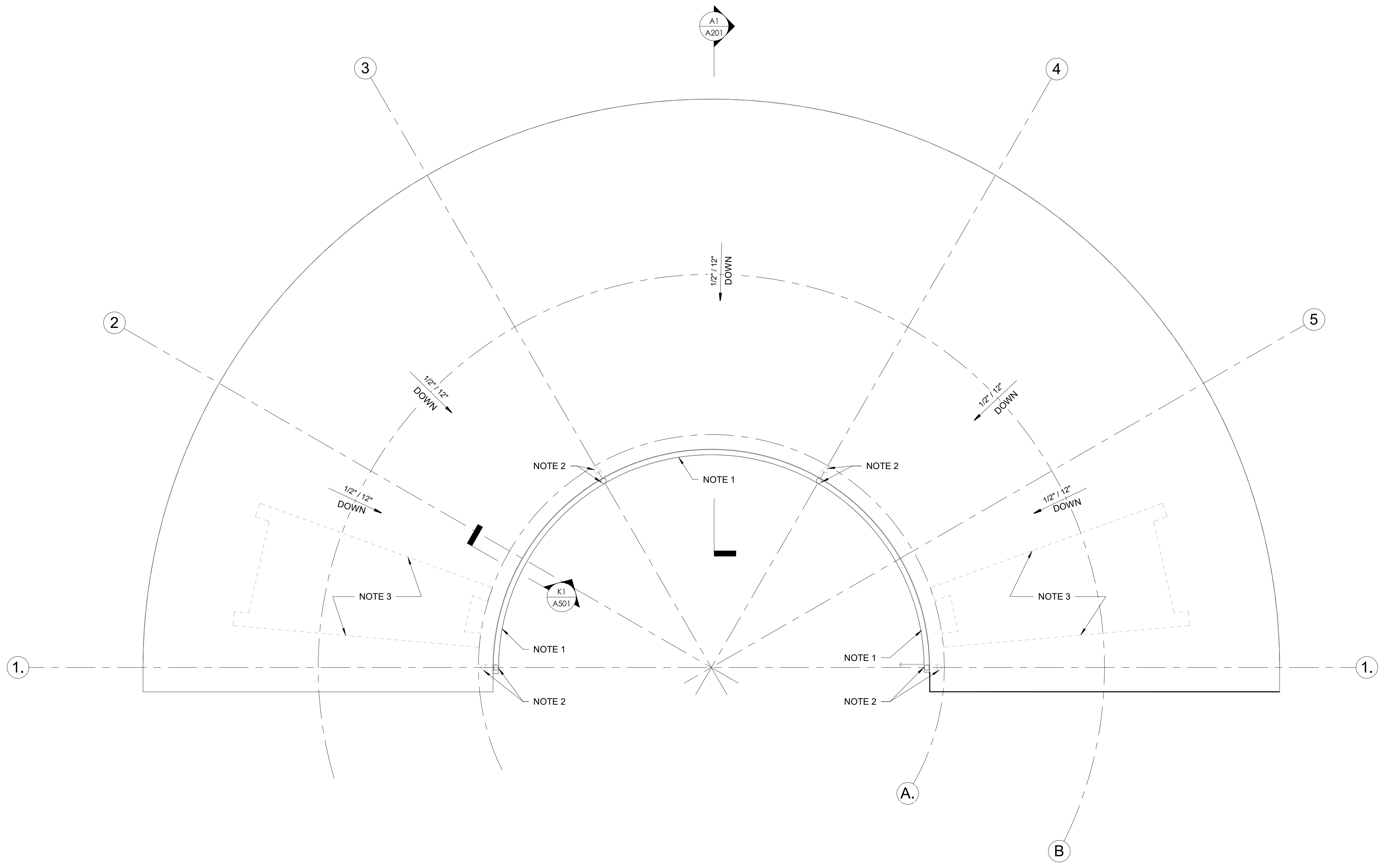
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CITY OF TUCKER
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A100B

PROJ. NO. 2303





MATERIAL KEYNOTES

GENERAL NOTES

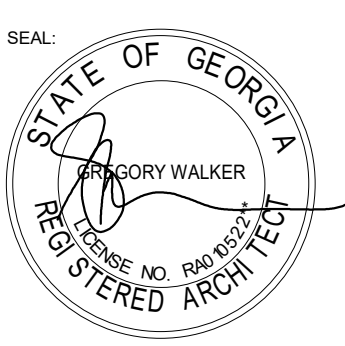
A. See A101 for additional notes.

SHEET-SPECIFIC NOTES

1. RAIN GUTTER.
2. RAIN LEADERS BELOW ROOF CANOPY.
3. DASHED LINE ILLUSTRATE OUTLINE OF STORAGE BELOW. SEE A1/A100C.

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HOUSER WALKER
ARCHITECTURE

PAVILION ROOF PLAN

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

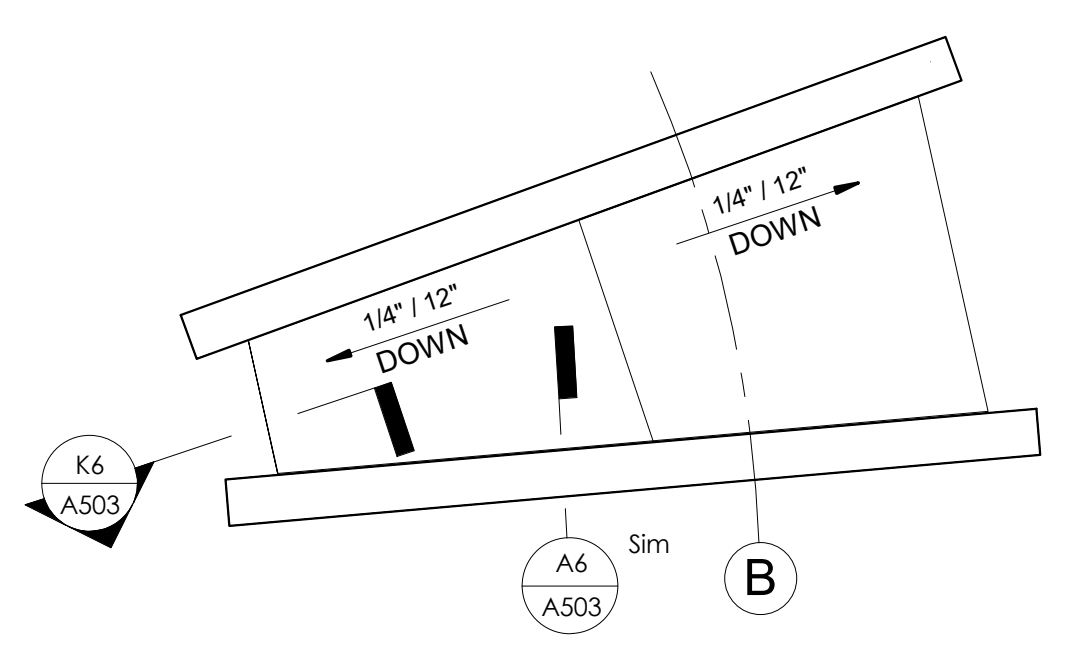
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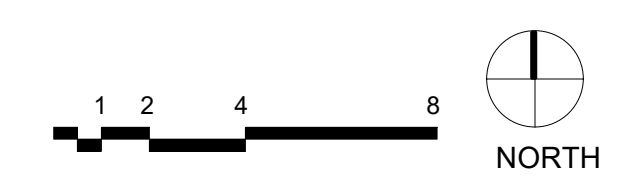
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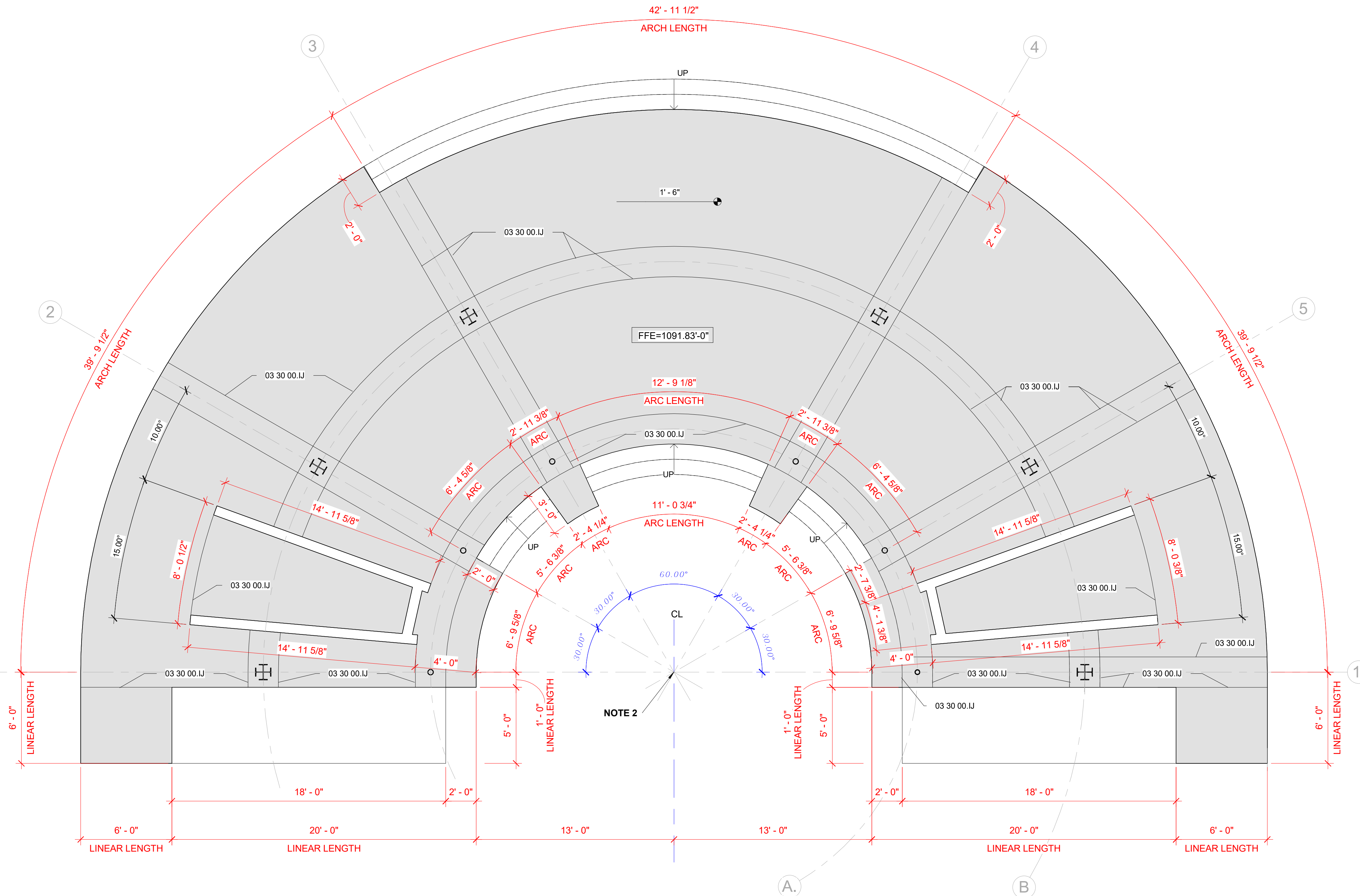
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A3 PAVILION ROOF PLAN



A1 PAVILION STORAGE ROOF PLAN





NOTE 2

MATERIAL KEYNOTES

Control joint

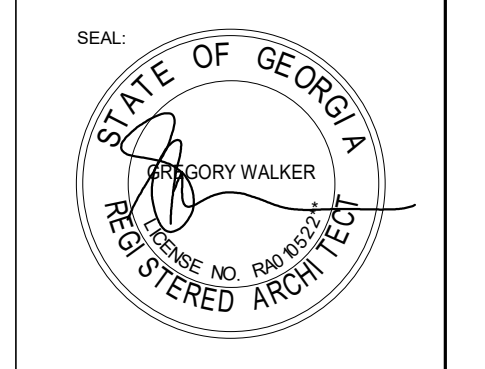
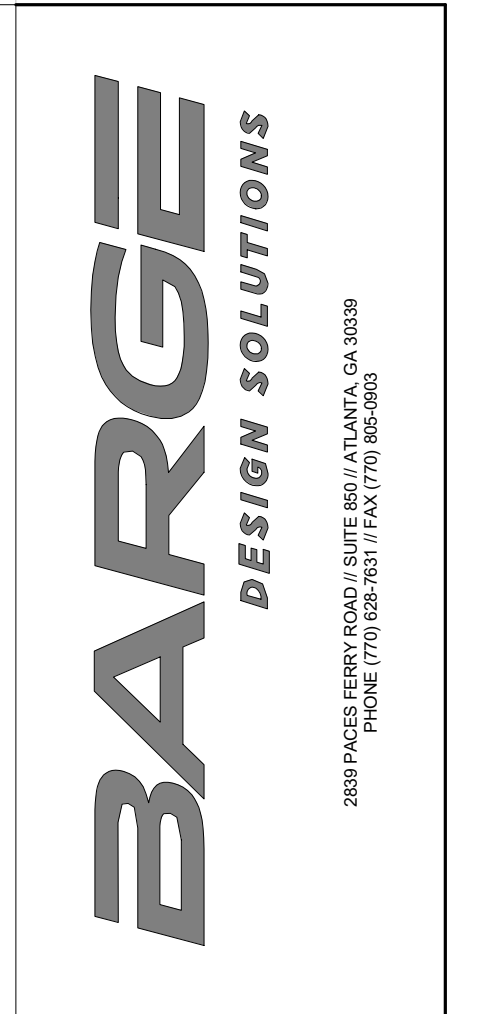
Slab edge

8'-0" Slab edge dimensions

8'-0" Grid line dimensions

GENERAL NOTES

SHEET-SPECIFIC NOTES



HOUSER WALKER
ARCHITECTURE

PAVILION - SLAB PLAN

CITY OF TUCKER

TUCKER TOWN GREEN PARK

RAILROAD AVENUE, TUCKER, GA 30084

REVISION INFORMATION

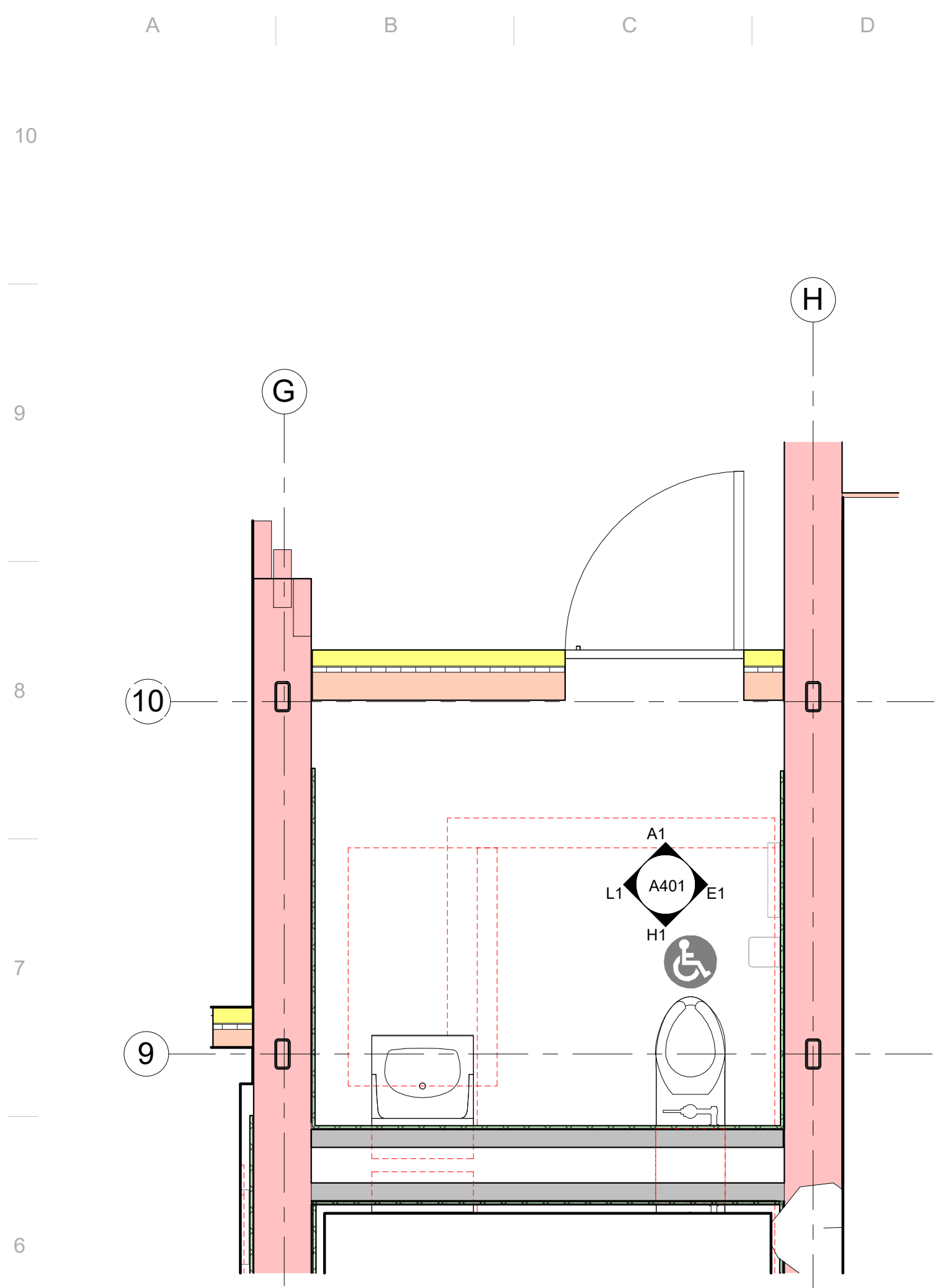
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A100S

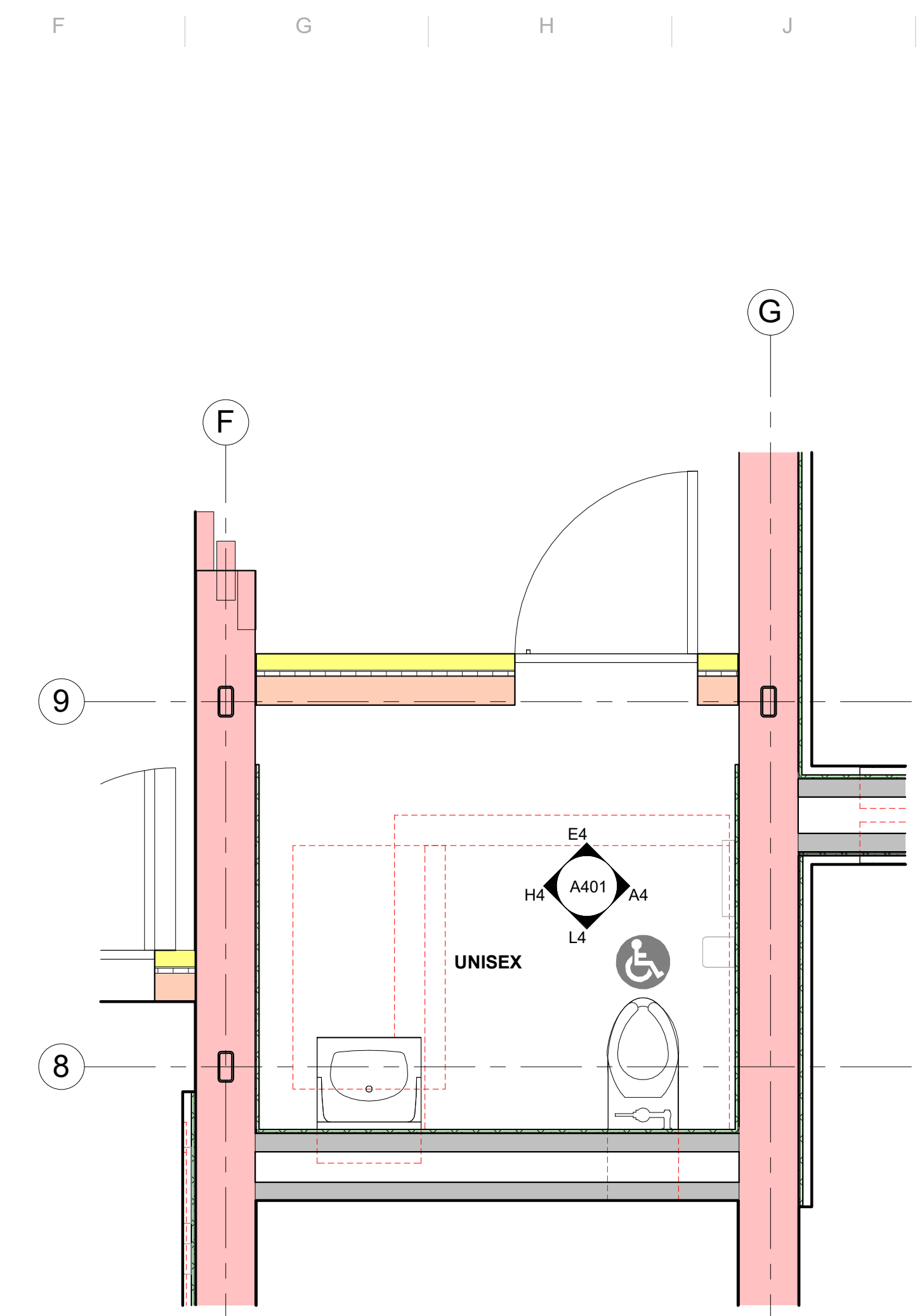
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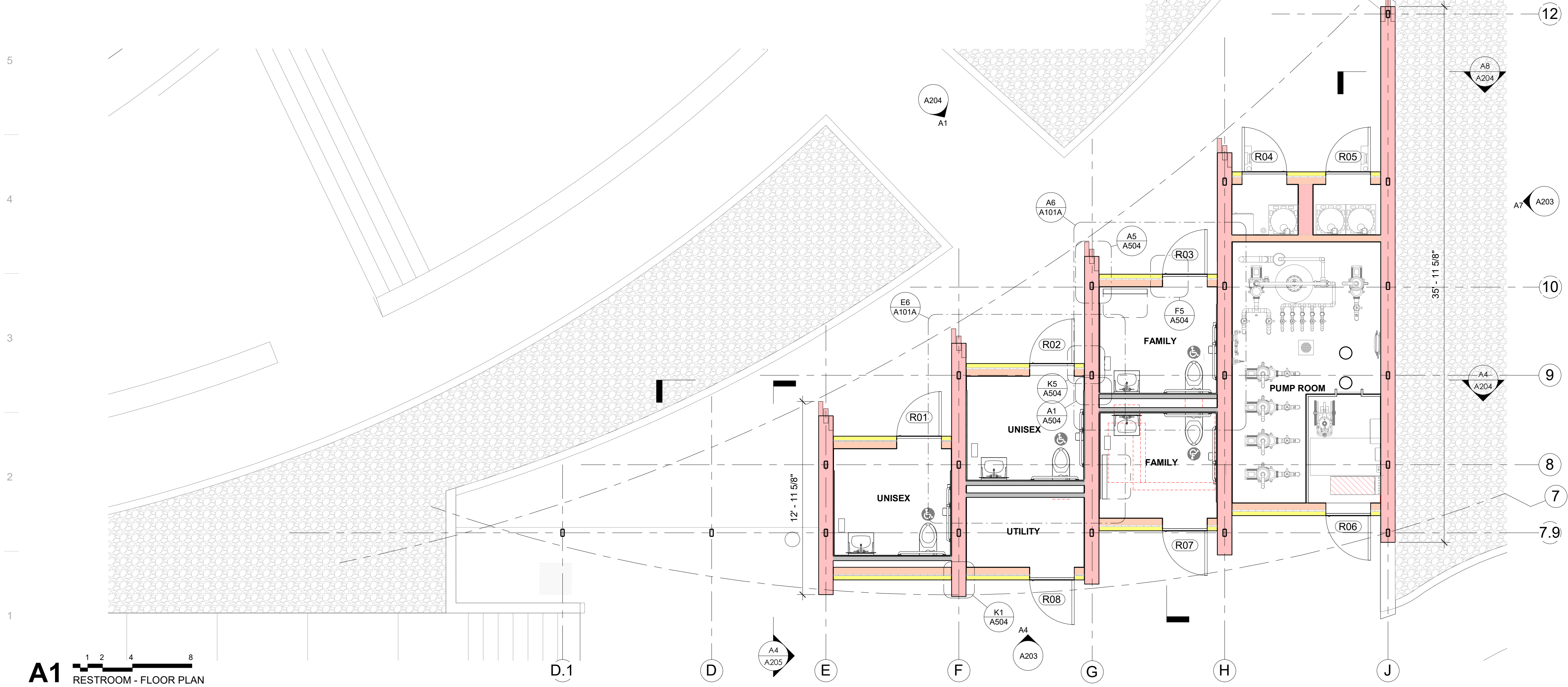
A3 PAVILION - SLAB PLAN



A6 TYPICAL FAMILY RESTROOM - ENLARGED PLAN



E6 TYPICAL UNISEX RESTROOM - ENLARGED PLAN



A1 RESTROOM - FLOOR PLAN

MATERIAL KEYNOTES

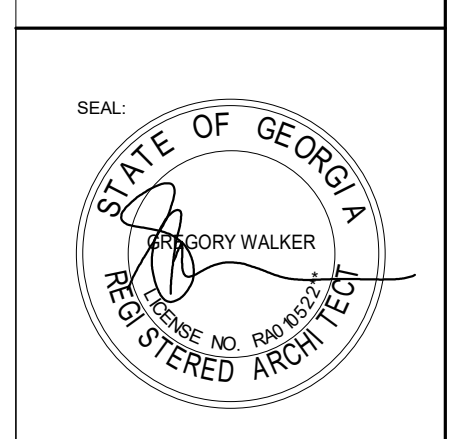
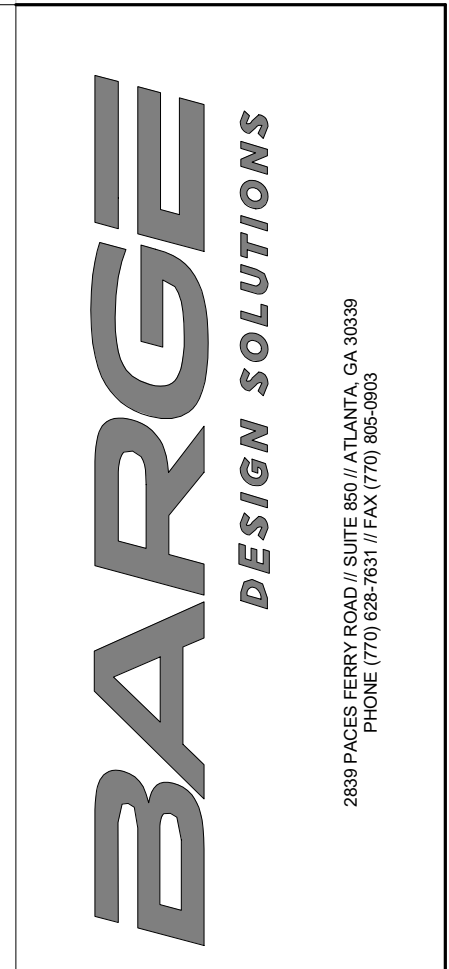
- Control joint
- Slab edge
- 8' - 0" Slab edge dimensions
- 8' - 0" Grid line dimensions

GENERAL NOTES

WALL TYPES

- 12" brick wall
- 12" brick wall with ceramic tile on interior face, with 3/4" mortar over 3/4" plywood sheathing on 3-5/8" metal stud.
- Metal panel w/ 1/4" air gap, 1" insulation on 3-5/8" metal stud. 5/8" drywall interior.
- plumbing wall. Ceramic tile on finished face, with 3/4" mortar over 3/4" plywood sheathing on 3-5/8" metal stud.

SHEET-SPECIFIC NOTES



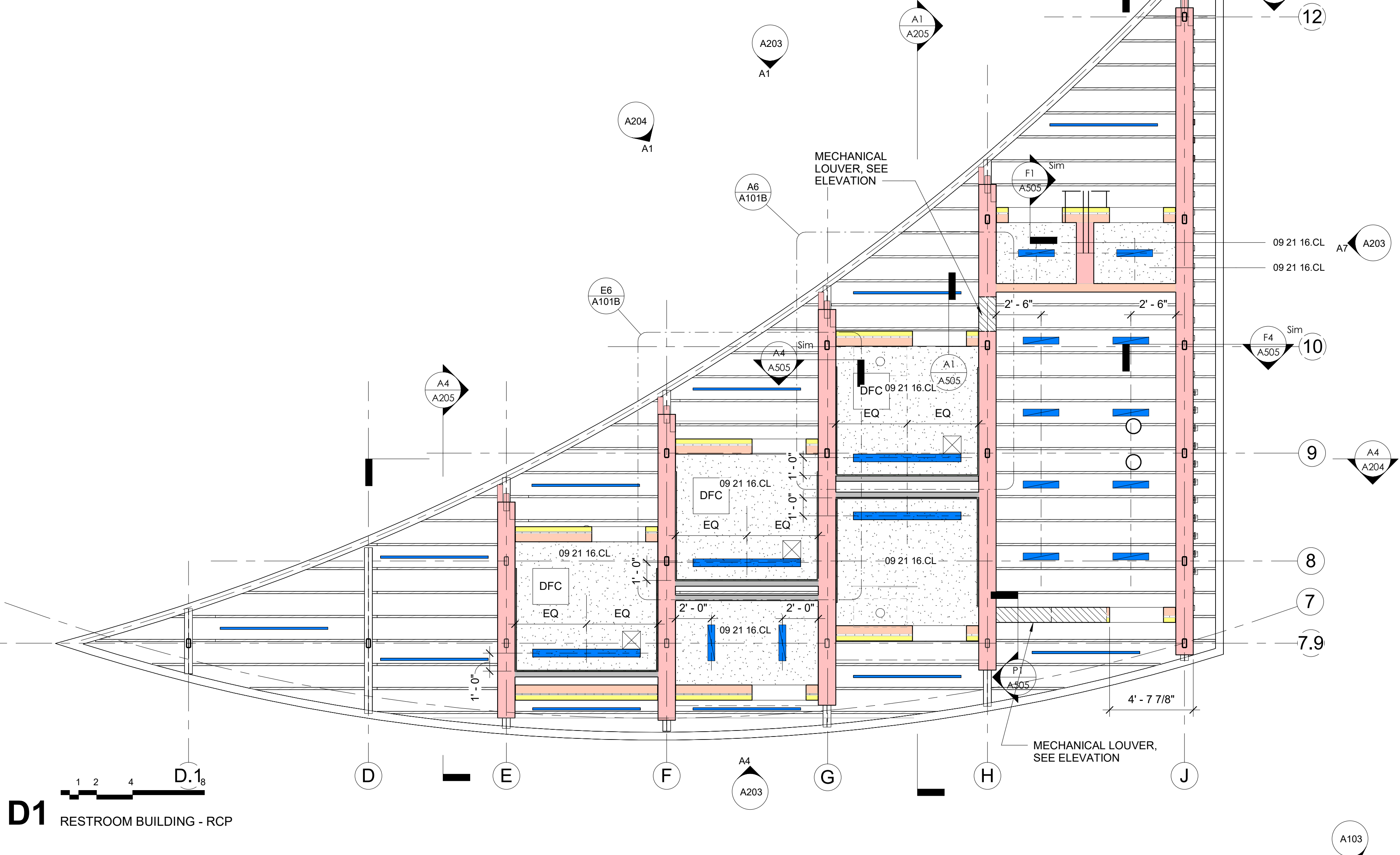
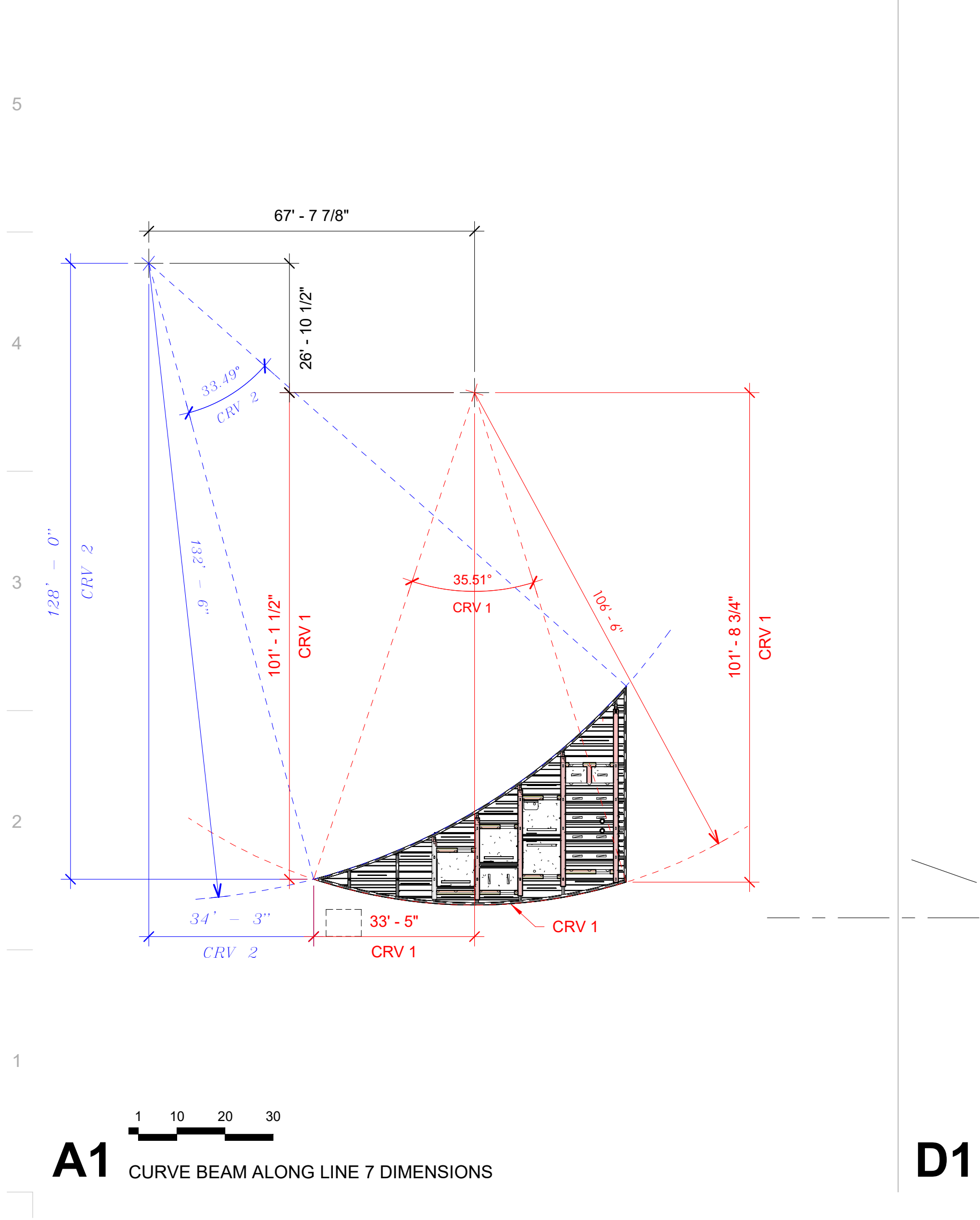
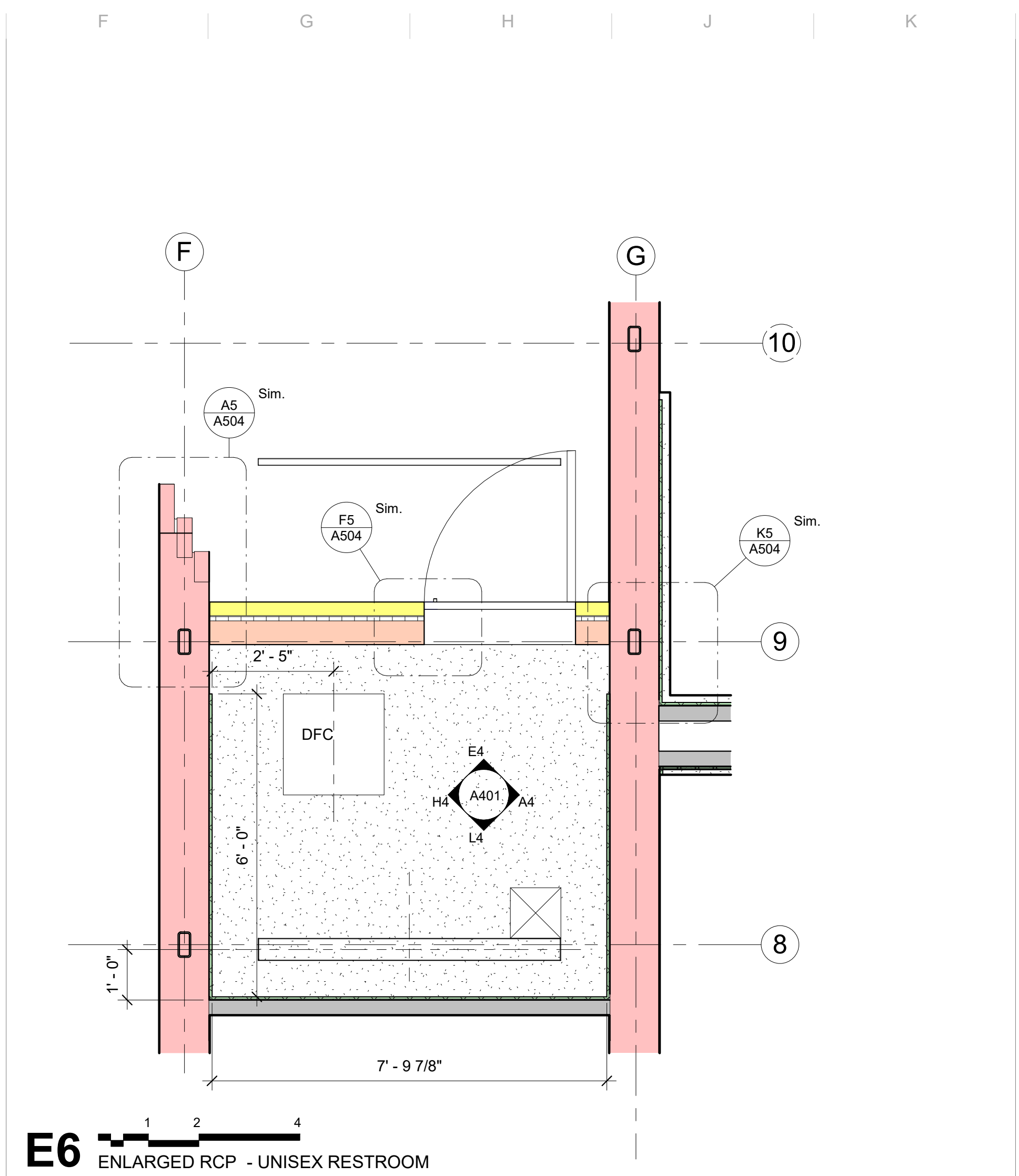
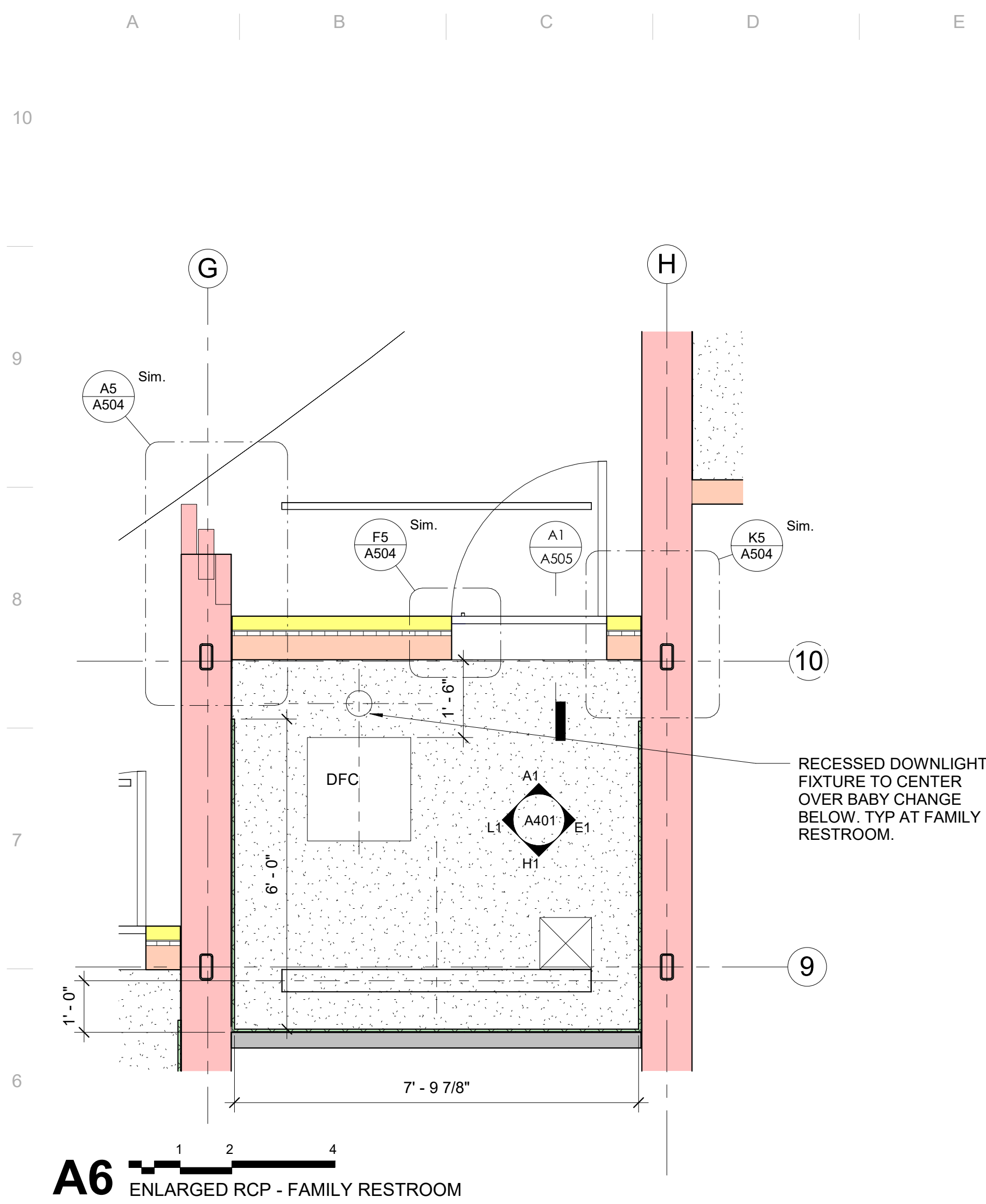
HOUSER WALKER ARCHITECTURE

RESTROOM FLOOR PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

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A101A

PROJ. NO. 2303



MATERIAL KEYNOTES

09 21 16.CL GYPSUM WALLBOARD-CEILING

○ Ceiling recessed downlight

MOISTURE-RESISTANT GYPSUM WALLBOARD

WOOD CEILING

LINEAR LED STRIP LIGHT PROJECTING DIFFUSED LIGHT UP TO CEILING

GENERAL NOTES

SHEET-SPECIFIC NOTES

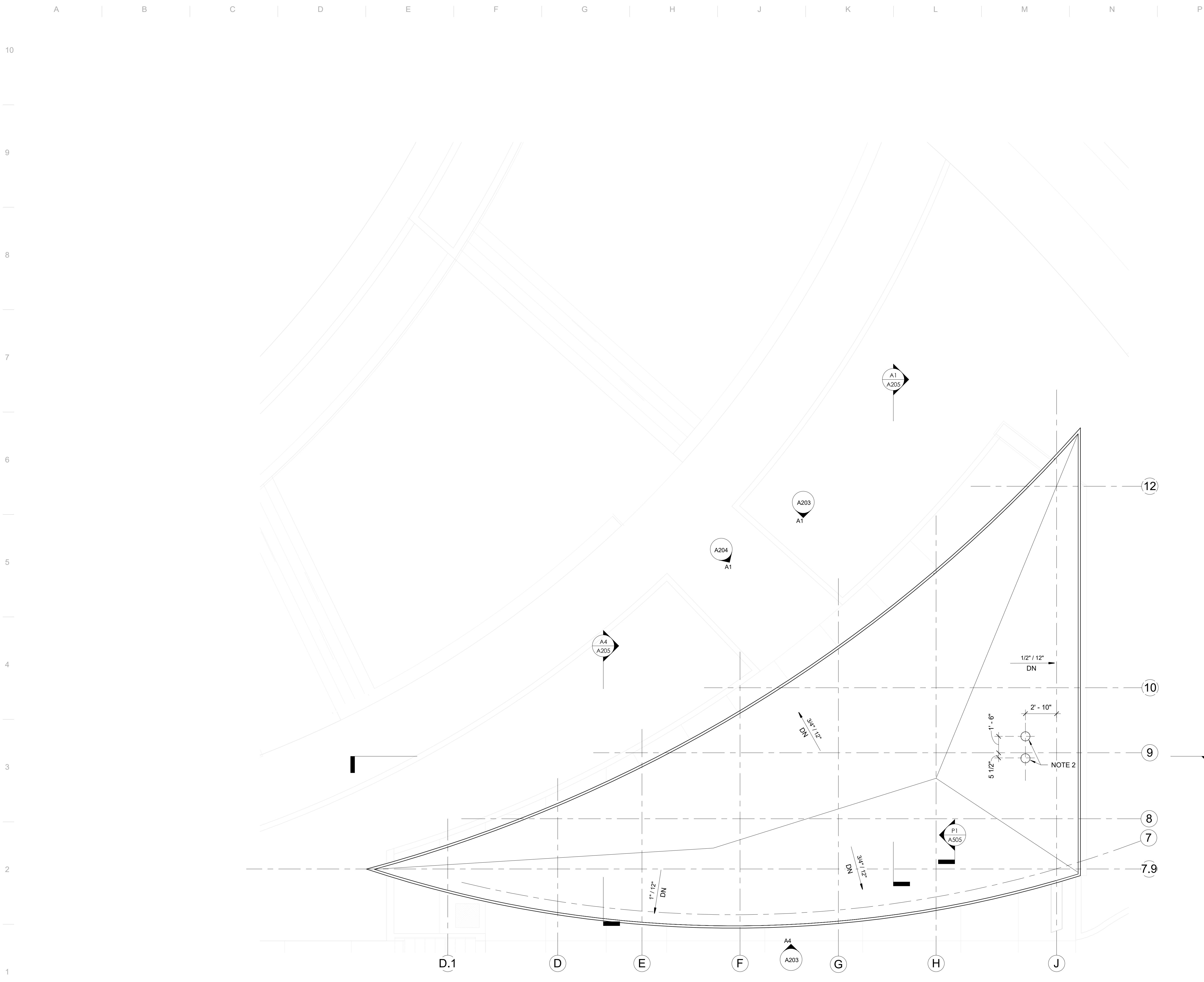
BARGE DESIGN SOLUTIONS
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SEAL: **HOUSER WALKER ARCHITECTURE**

RESTROOM RCP
CITY OF TUCKER
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RAILROAD AVENUE, TUCKER, GA 30084

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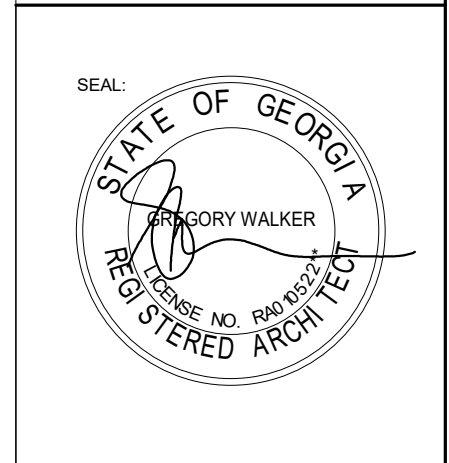
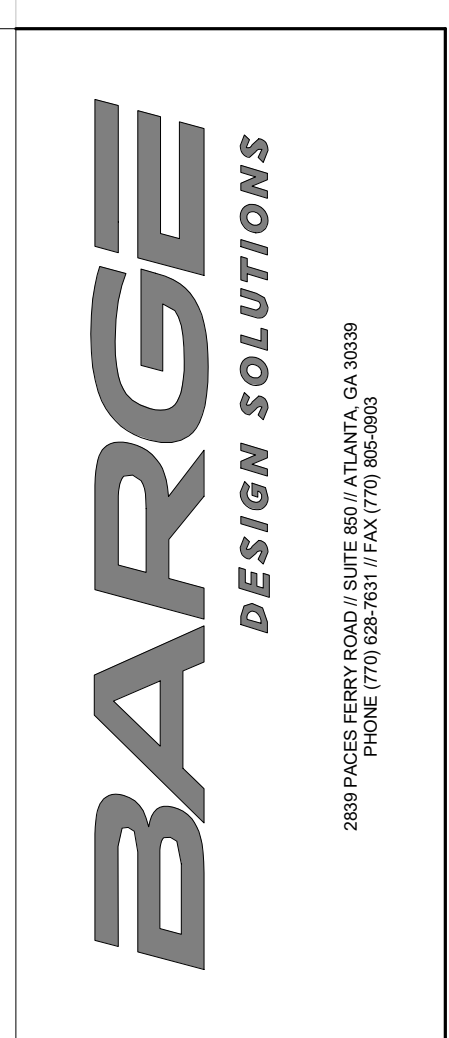


MATERIAL KEYNOTES

GENERAL NOTES

SHEET-SPECIFIC NOTES

1. Locate drain in line with plumbing wall cavity below. Plumbing wall cavity shown dashed in red for reference. Coordinate with architectural floor plans.
2. Exhaust fans for chemical rooms on roof.



Houser Walker
ARCHITECTURE

RESTROOM ROOF PLAN

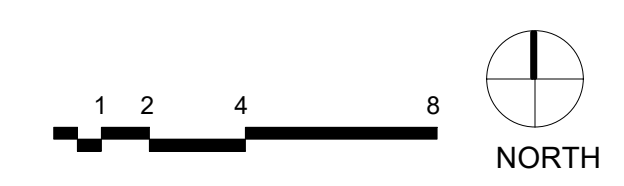
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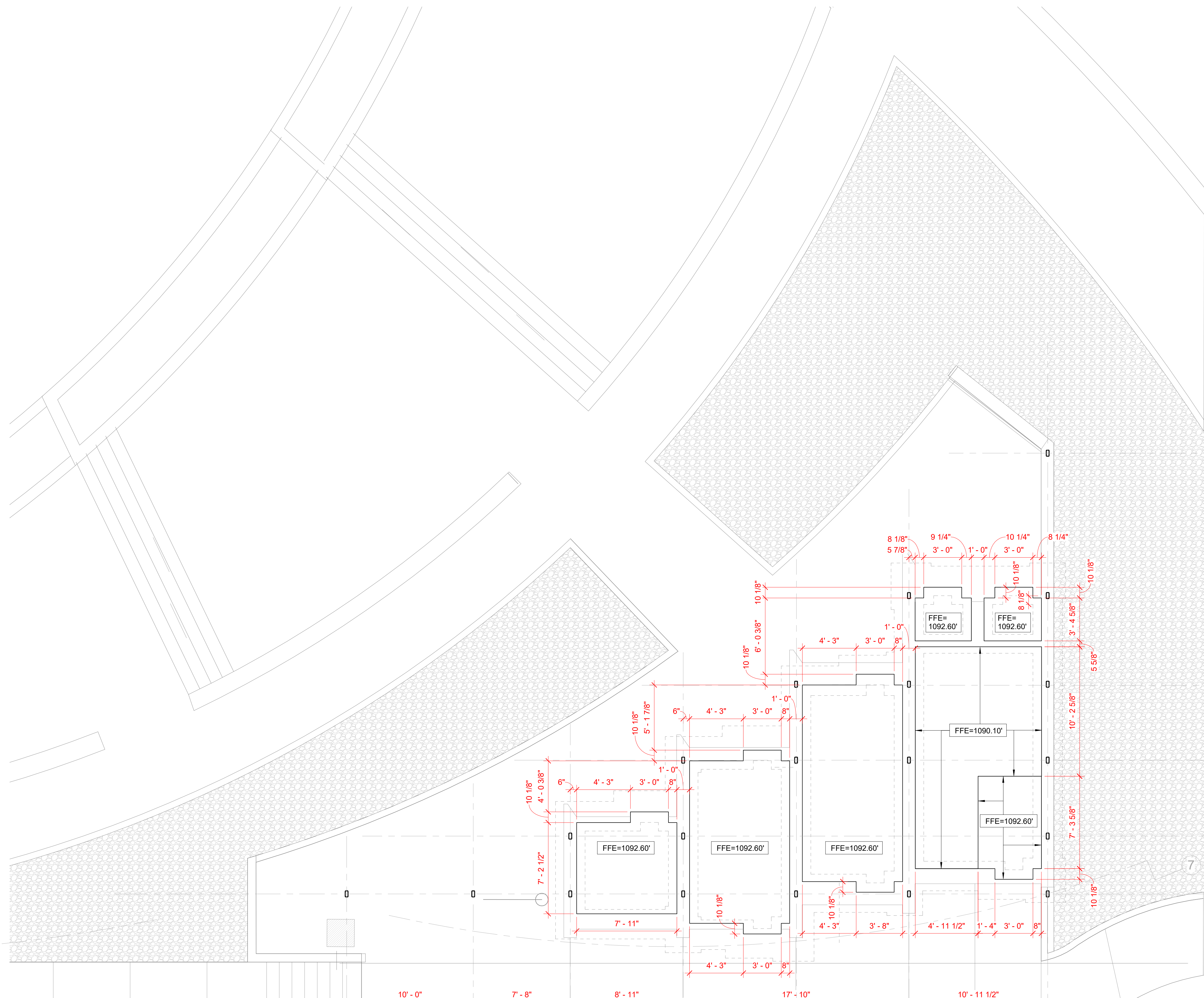
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REV.	DATE	ISSUED FOR BID
0	05/21/2024	

A101C

PROJ. NO. 2303

A1 RESTROOM ROOF PLAN





A1 RESTROOM - SLAB PLAN

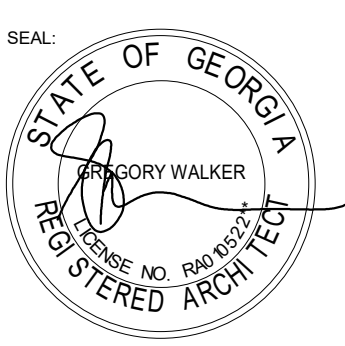
MATERIAL KEYNOTES

GENERAL NOTES

SHEET-SPECIFIC NOTES

BARGE
DESIGN SOLUTIONS

289 PACER FERRY ROAD # SUITE 807 ATLANTA, GA 30339
PHONE (770) 881-1177 FAX (770) 881-0883



HOUSER WALKER
ARCHITECTURE

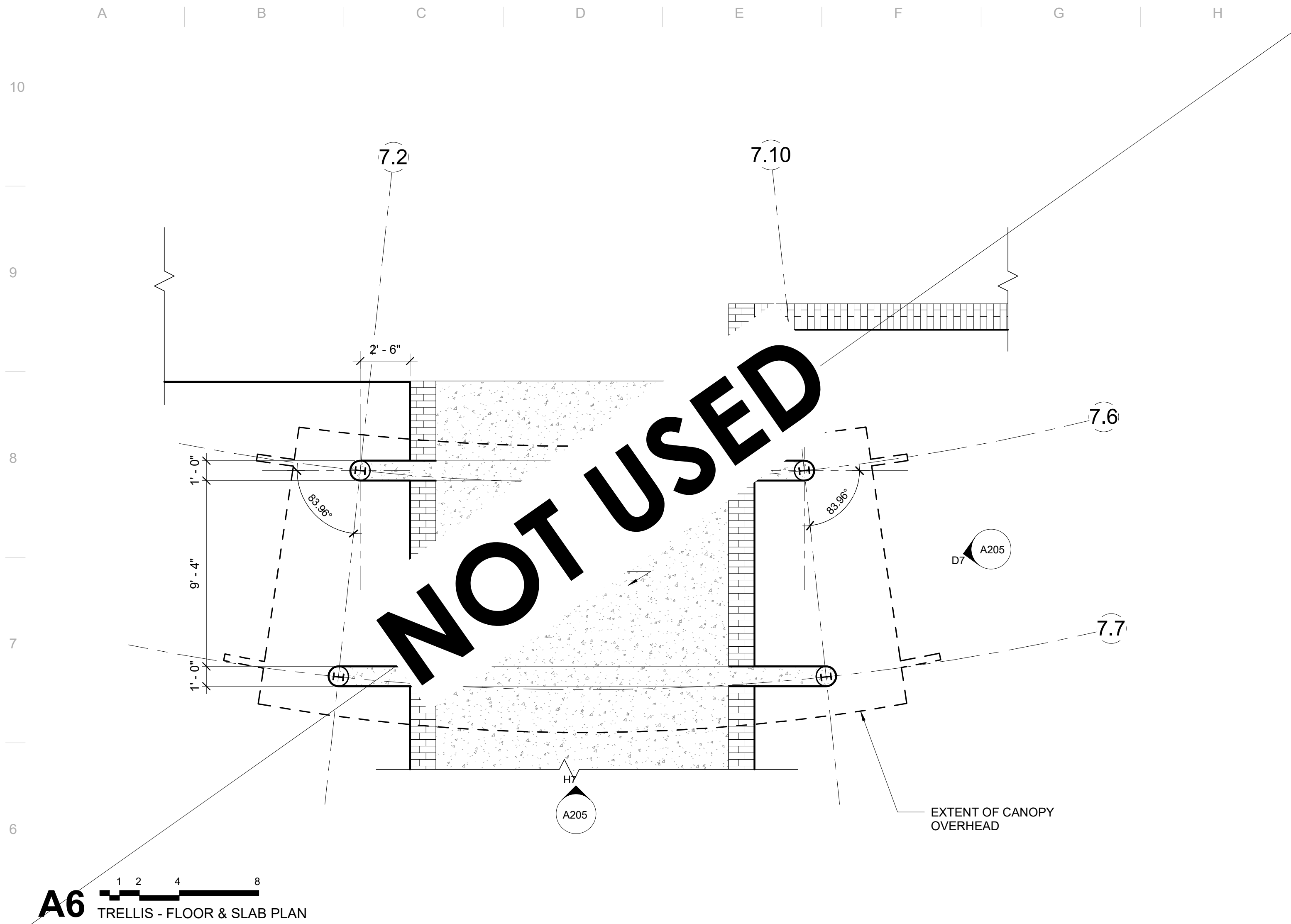
RESTROOM SLAB PLAN

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

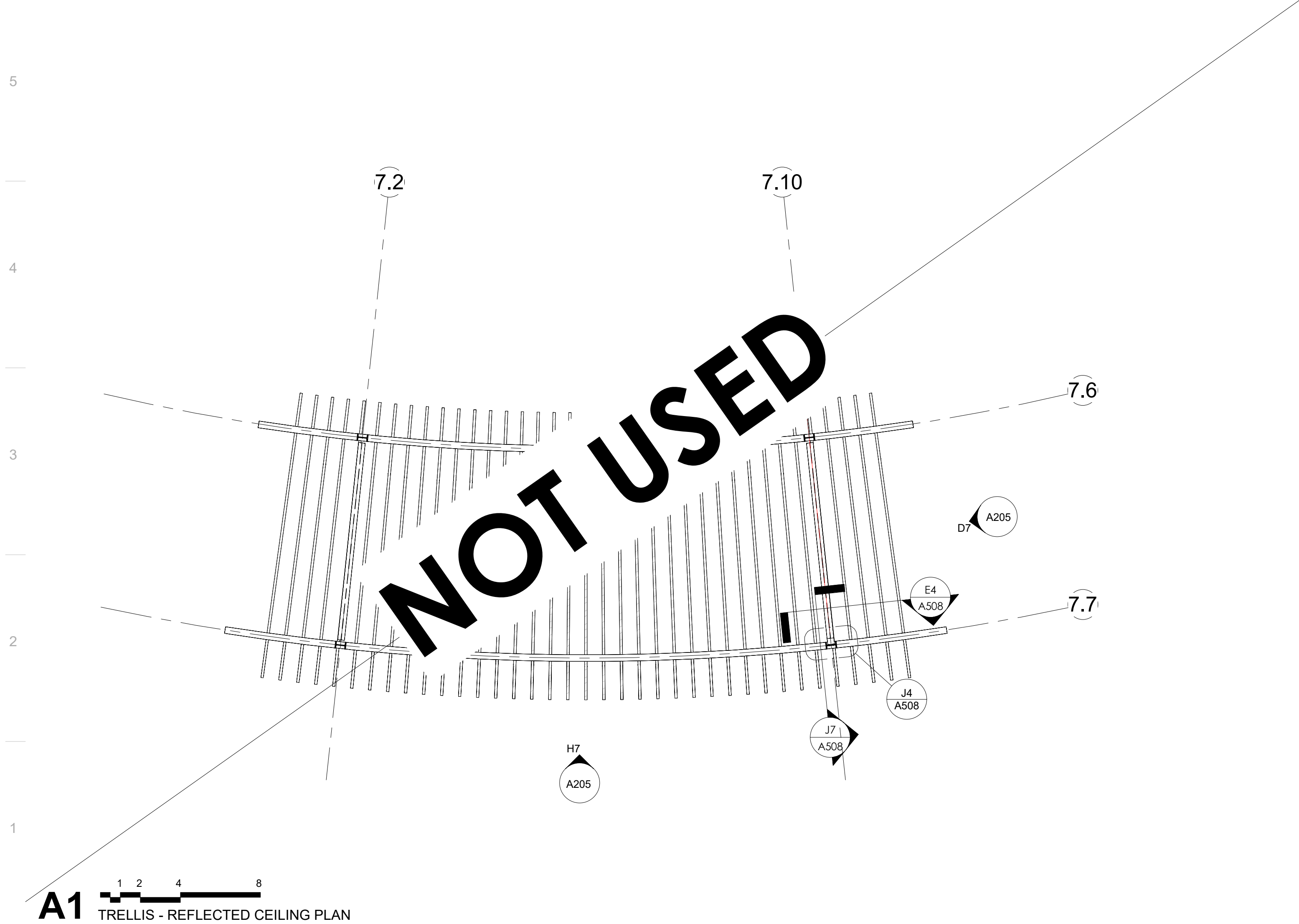
REVISION INFORMATION	REV.	DATE	DESCRIPTION
	0	05/21/2024	ISSUED FOR BID

A101S

PROJ. NO. 2303



A6 TRELLIS - FLOOR & SLAB PLAN



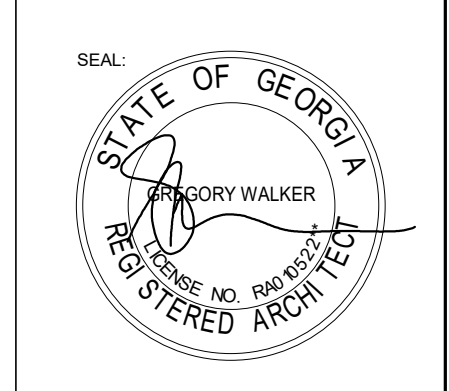
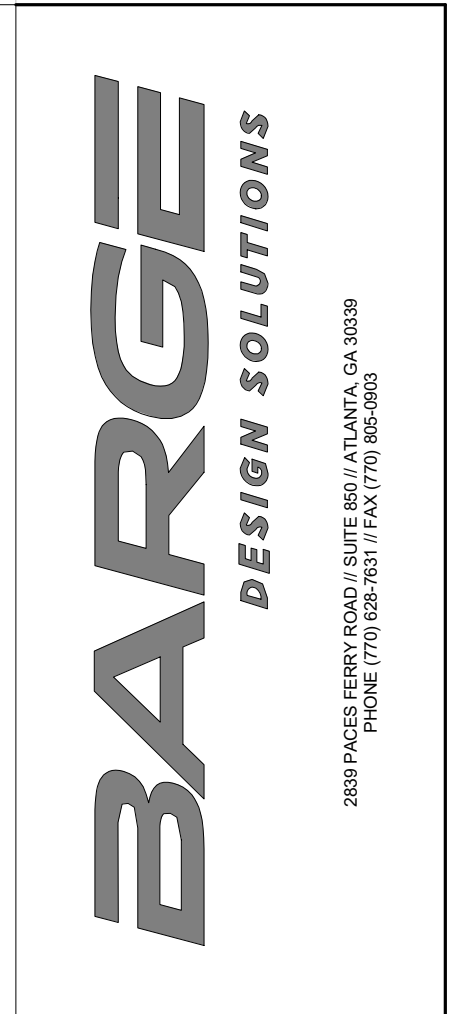
A1 TRELLIS - REFLECTED CEILING PLAN

MATERIAL KEYNOTES

- Control joint
- Slab edge
- Slab edge dimensions
- Grid line dimensions

GENERAL NOTES

- SHEET-SPECIFIC NOTES**
1. Dash red line indicates roofline of the trellis canopy overhead.
 2. Refer to LA drawings for paving material and pattern, and slab elevation.
 3. Not used.
 4. Patch area around new columns and provide Isolation Joints.
 5. Refer to Structural Drawings for structural framing sizes and dimensions.
 6. Wood slats.
 7. Not used.
 8. 2x8 wood slats, spaced 1/4" apart, typical.
 9. Extent of pedestrian path below.
 10. Control Joint around column.

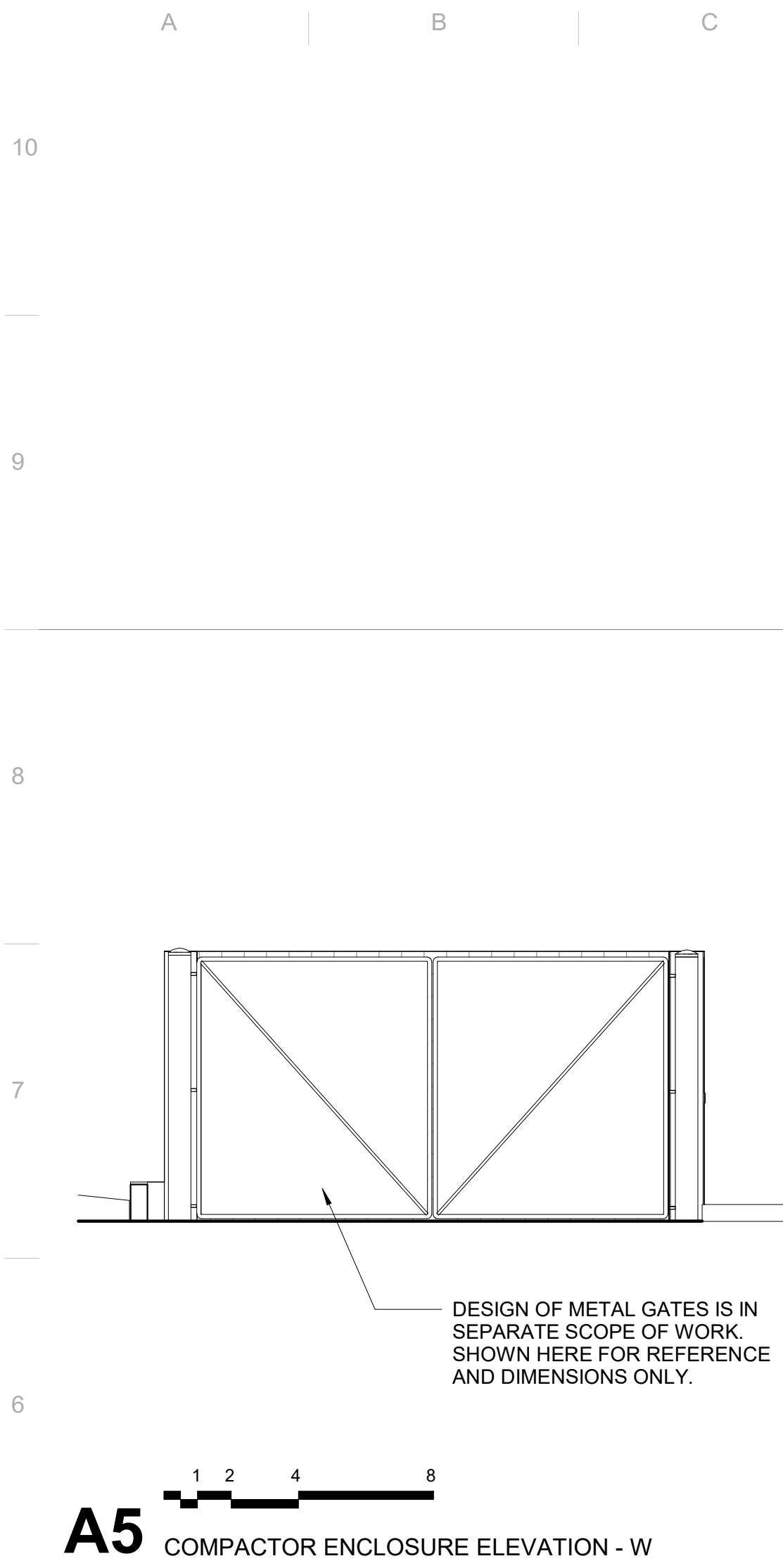


HOUSER WALKER
ARCHITECTURE

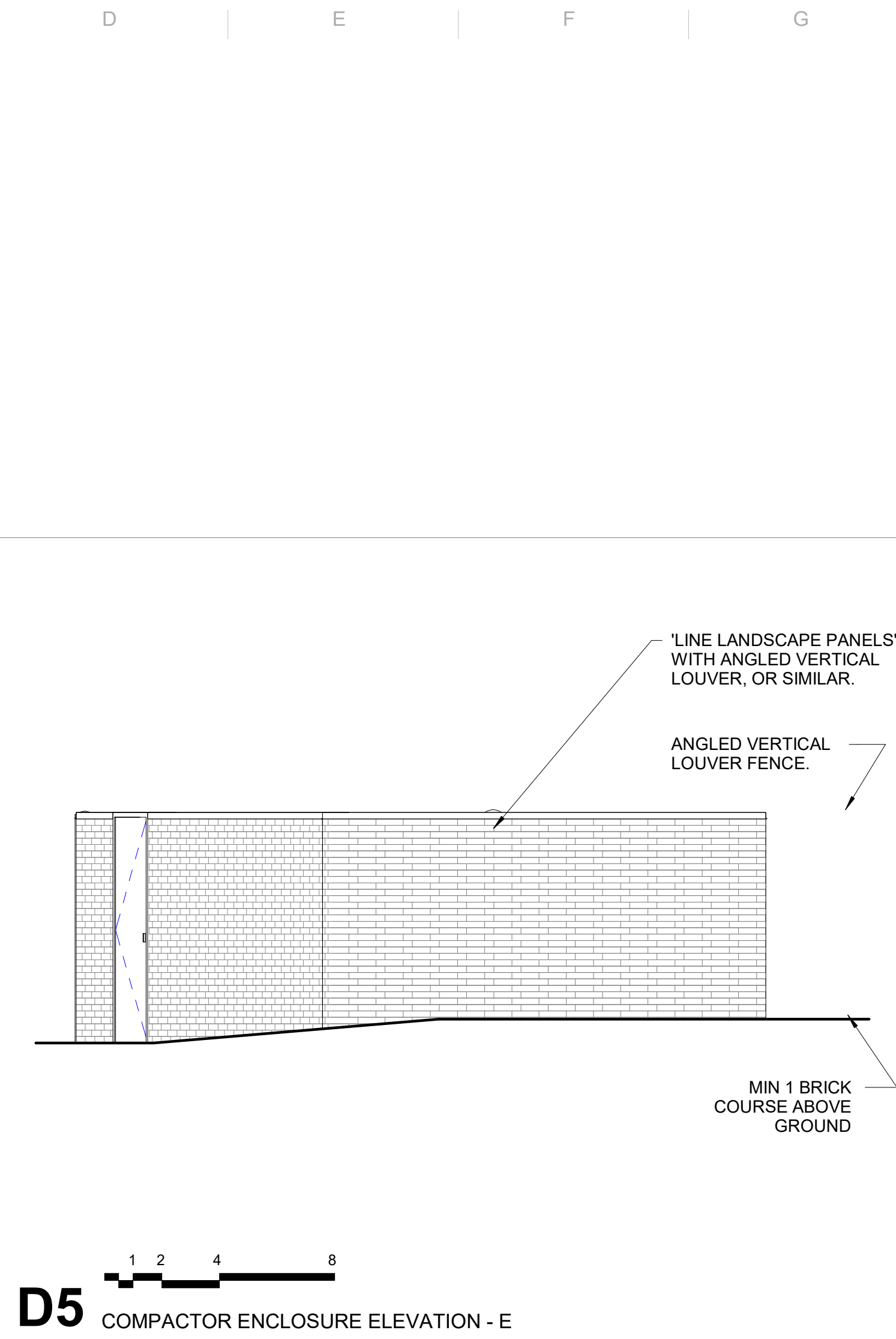
TRELLIS FLOOR PLAN AND ROOF PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

REVISION INFORMATION		DESCRIPTION
REV.	DATE	ISSUED FOR BID
0	05/21/2024	

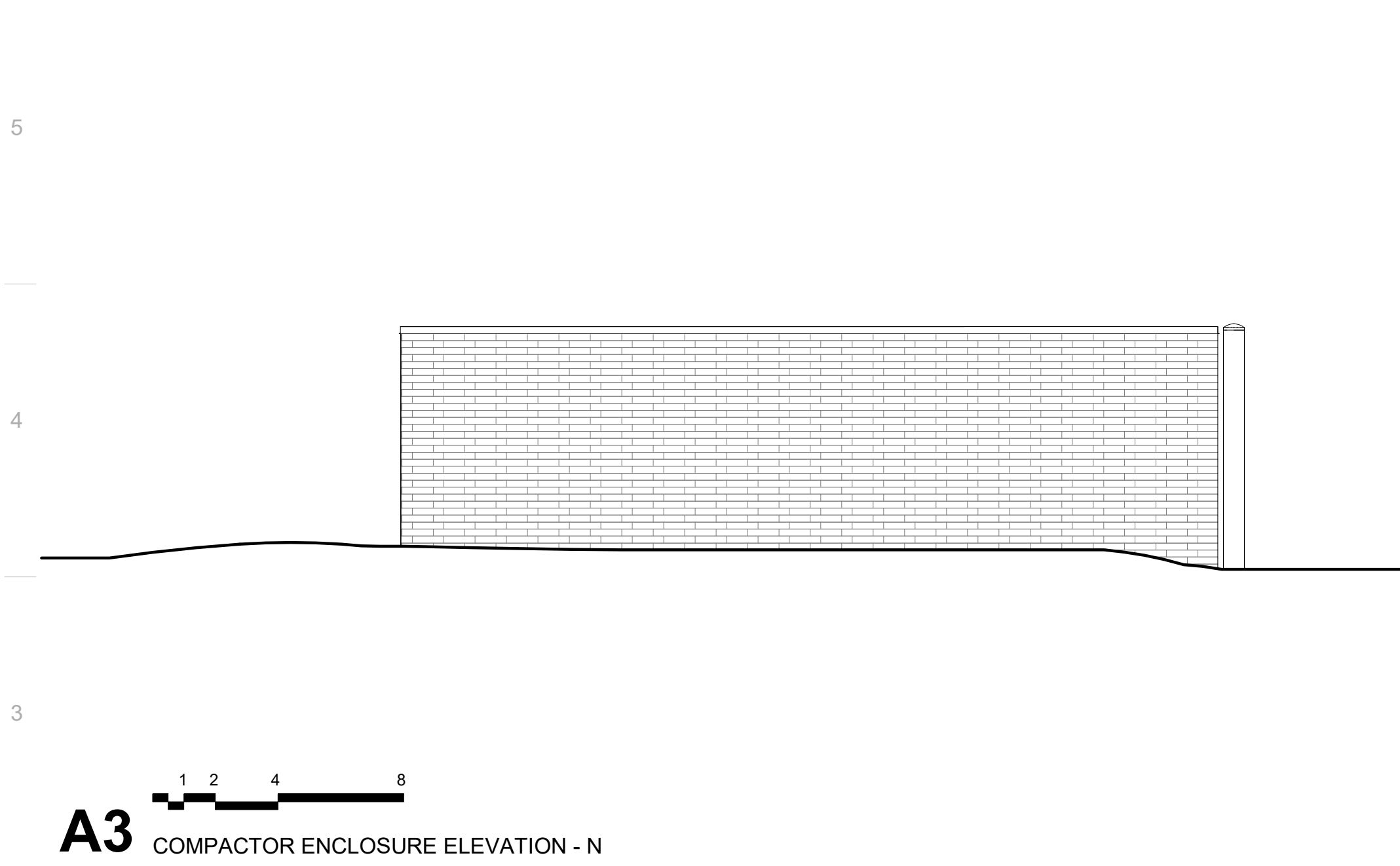
A102
PROJ. NO. 2303



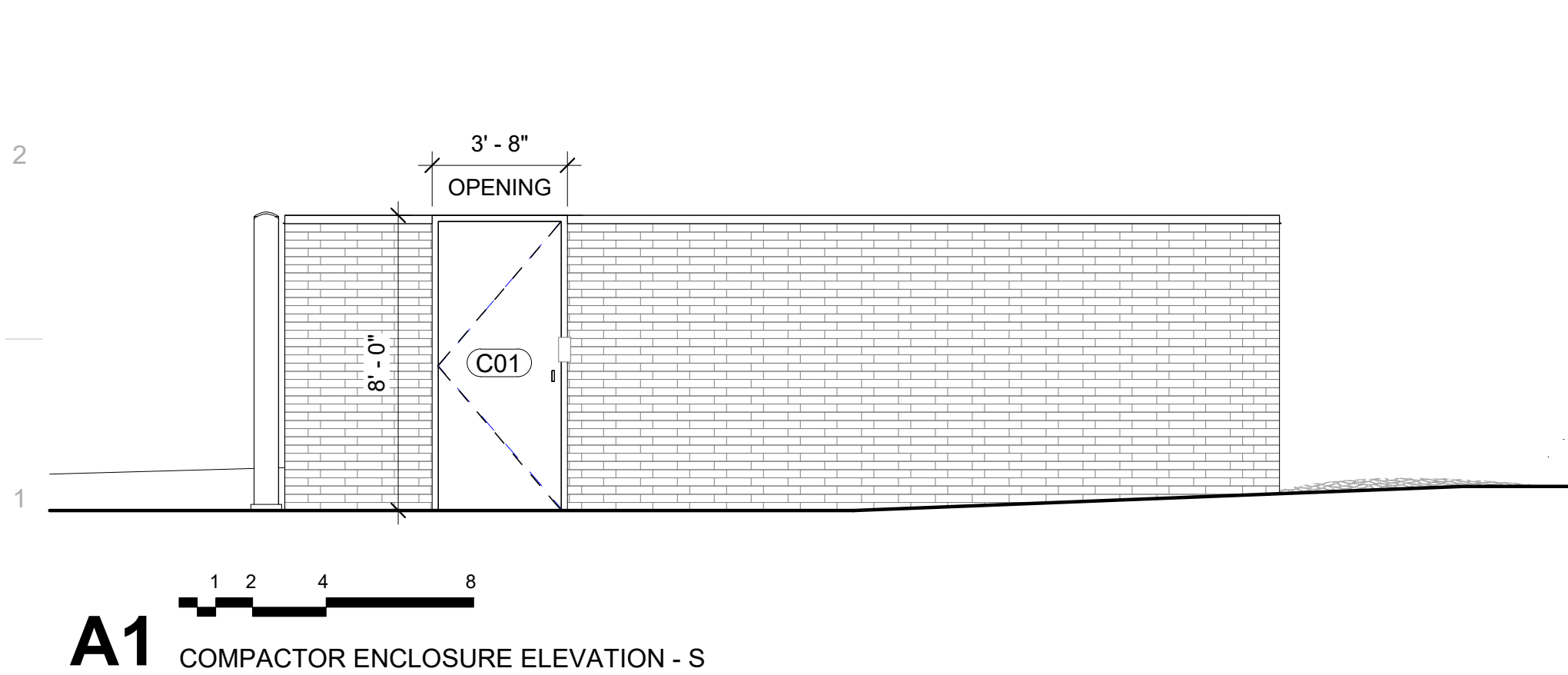
A5 COMPACTOR ENCLOSURE ELEVATION - W



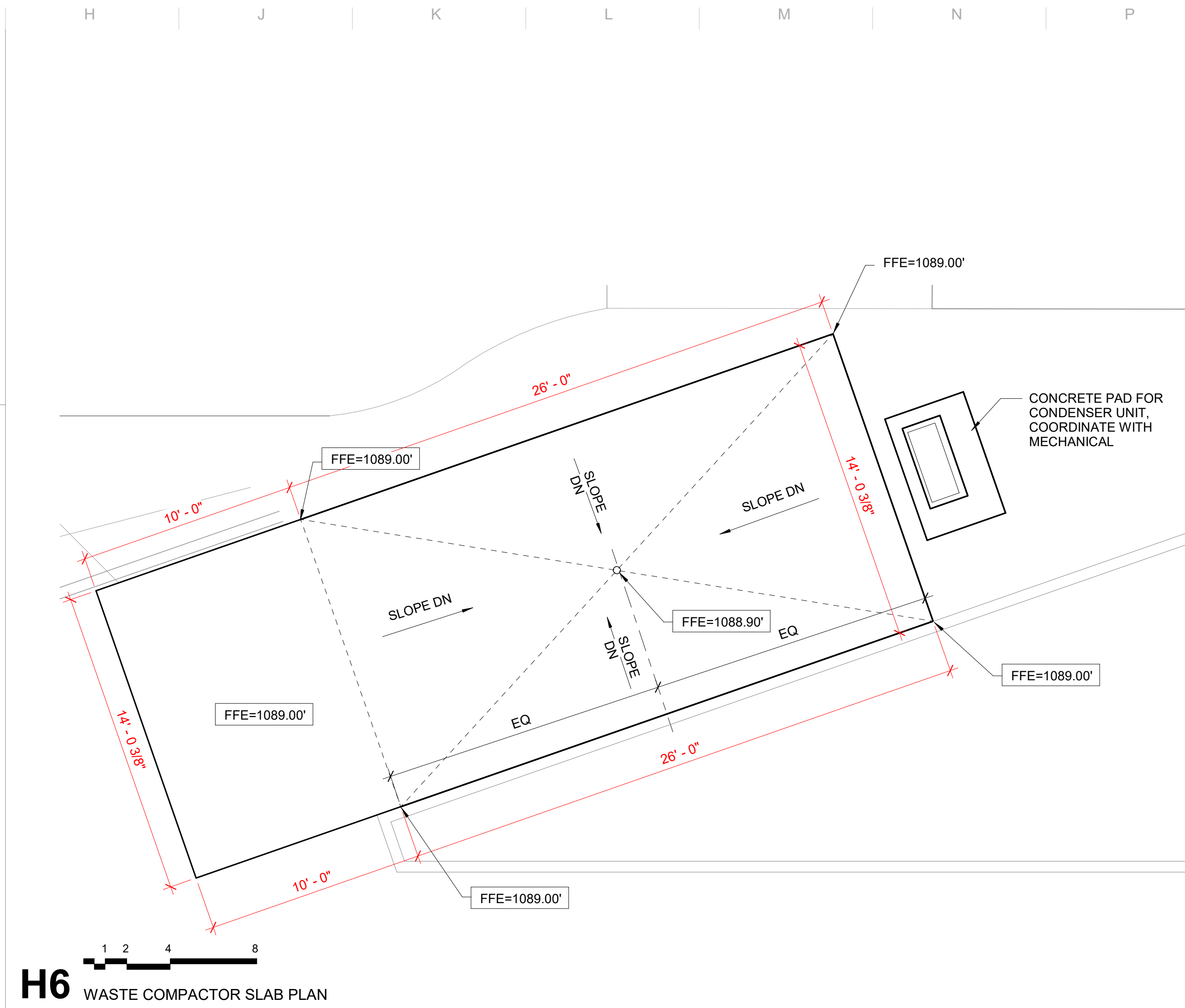
D5 COMPACTOR ENCLOSURE ELEVATION - E



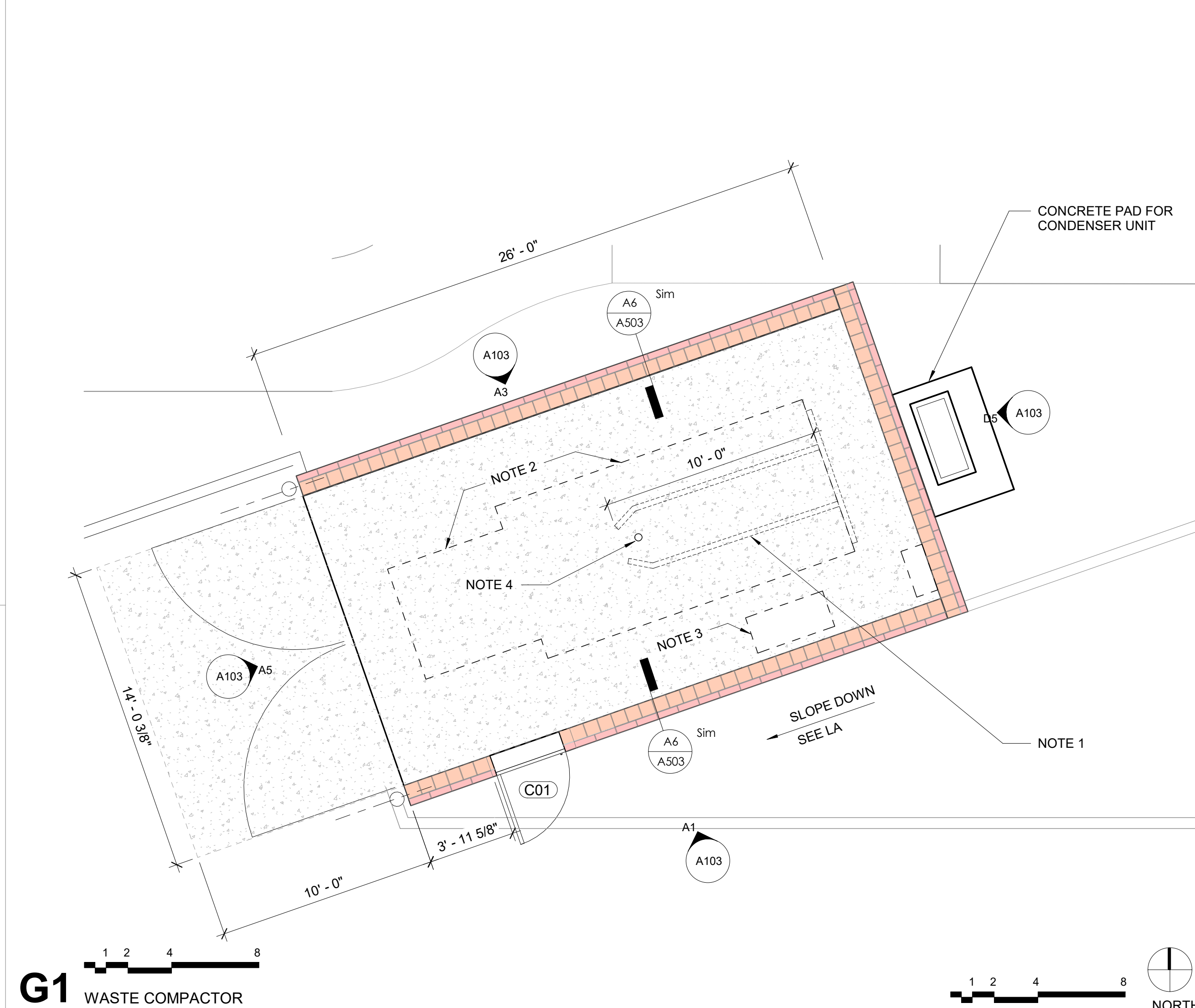
A3 COMPACTOR ENCLOSURE ELEVATION - N



A1 COMPACTOR ENCLOSURE ELEVATION - S



H6 WASTE COMPACTOR SLAB PLAN



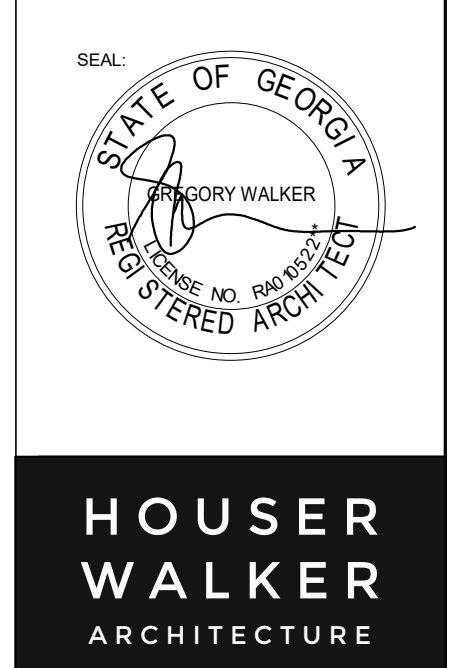
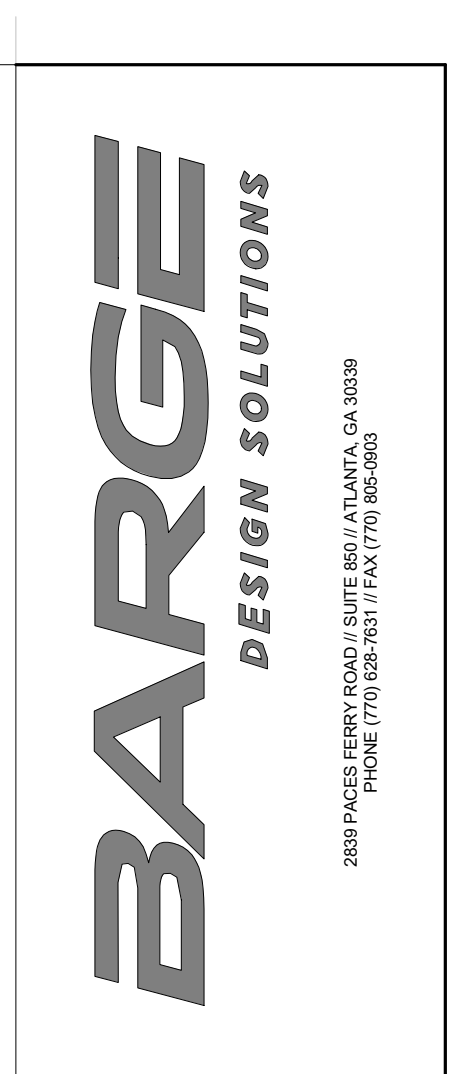
G1 WASTE COMPACTOR

MATERIAL KEYNOTES

GENERAL NOTES

SHEET-SPECIFIC NOTES

1. Surface mount container guides with stops, coordinate dimensions with compactor manufacturer.
2. Compactor, coordinate location with LA.
3. Power unit, coordinate location with LA.
4. Coordinate drains with plumbing.



HOUSER WALKER
ARCHITECTURE

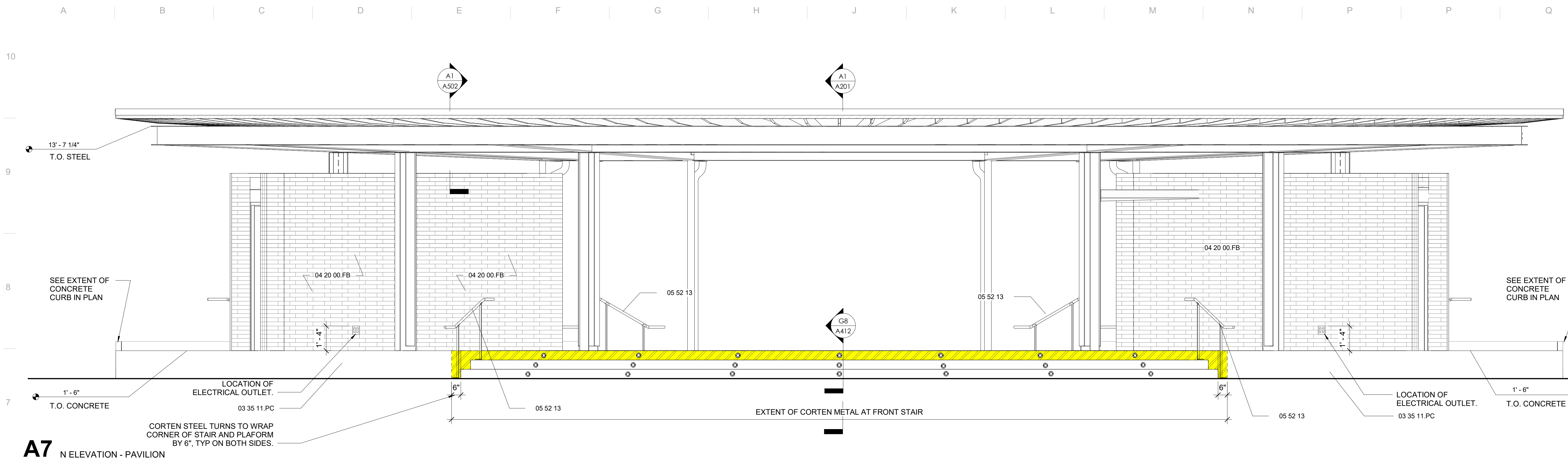
WASTE ENCLOSURE FLOOR PLAN AND ELEVATIONS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

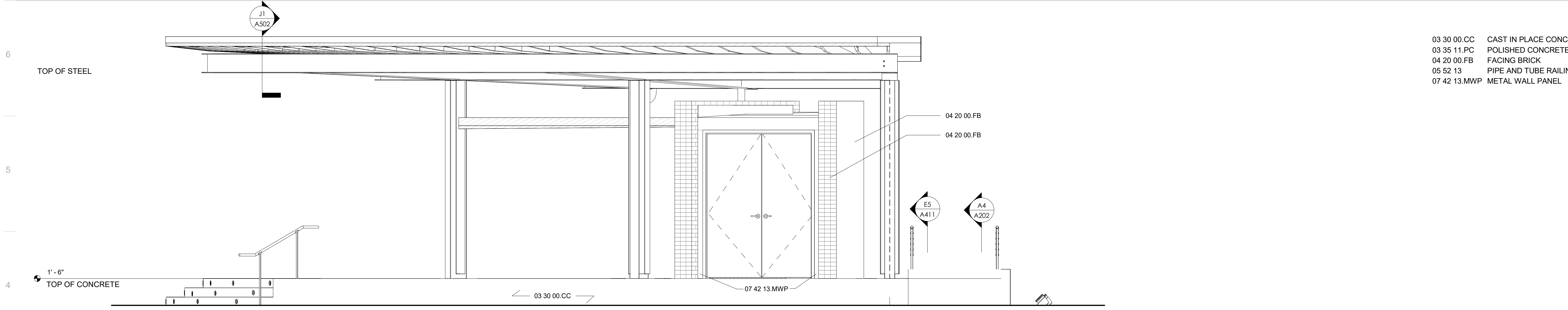
REVISION INFORMATION		DESCRIPTION
REV.	DATE	ISSUED FOR BID
0	05/21/2024	

A103

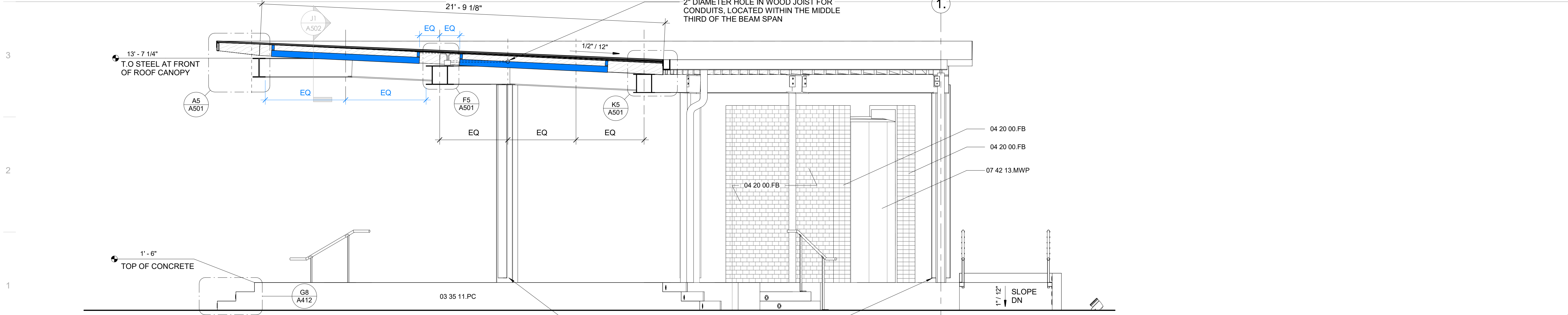
PROJ. NO. 2303



A7 N ELEVATION - PAVILION



A4 W ELEVATION - PAVILION

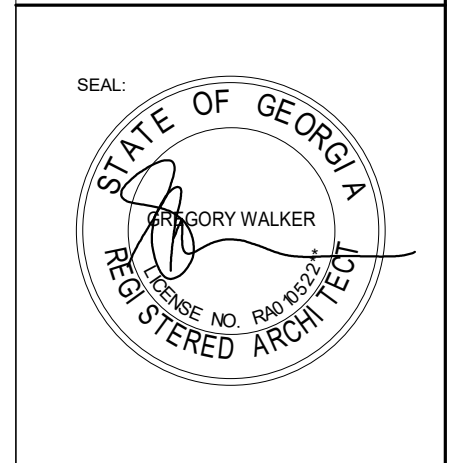


A1 N-S SECTION THROUGH PAVILION

- 03 30 00.CC CAST IN PLACE CONCRETE
- 03 35 11.PC POLISHED CONCRETE
- 04 20 00.FB FACING BRICK
- 05 52 13 PIPE AND TUBE RAILINGS
- 07 42 13.MWP METAL WALL PANEL

BARGE
DESIGN SOLUTIONS

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PHONE: (770) 435-1111 | FAX: (770) 435-0603



HOUSER WALKER
ARCHITECTURE

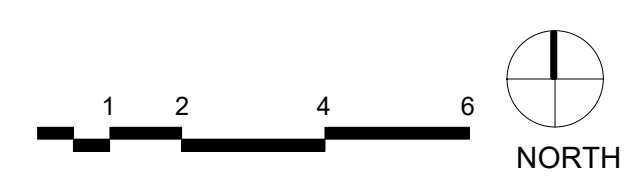
PAVILION SECTIONS AND ELEVATIONS

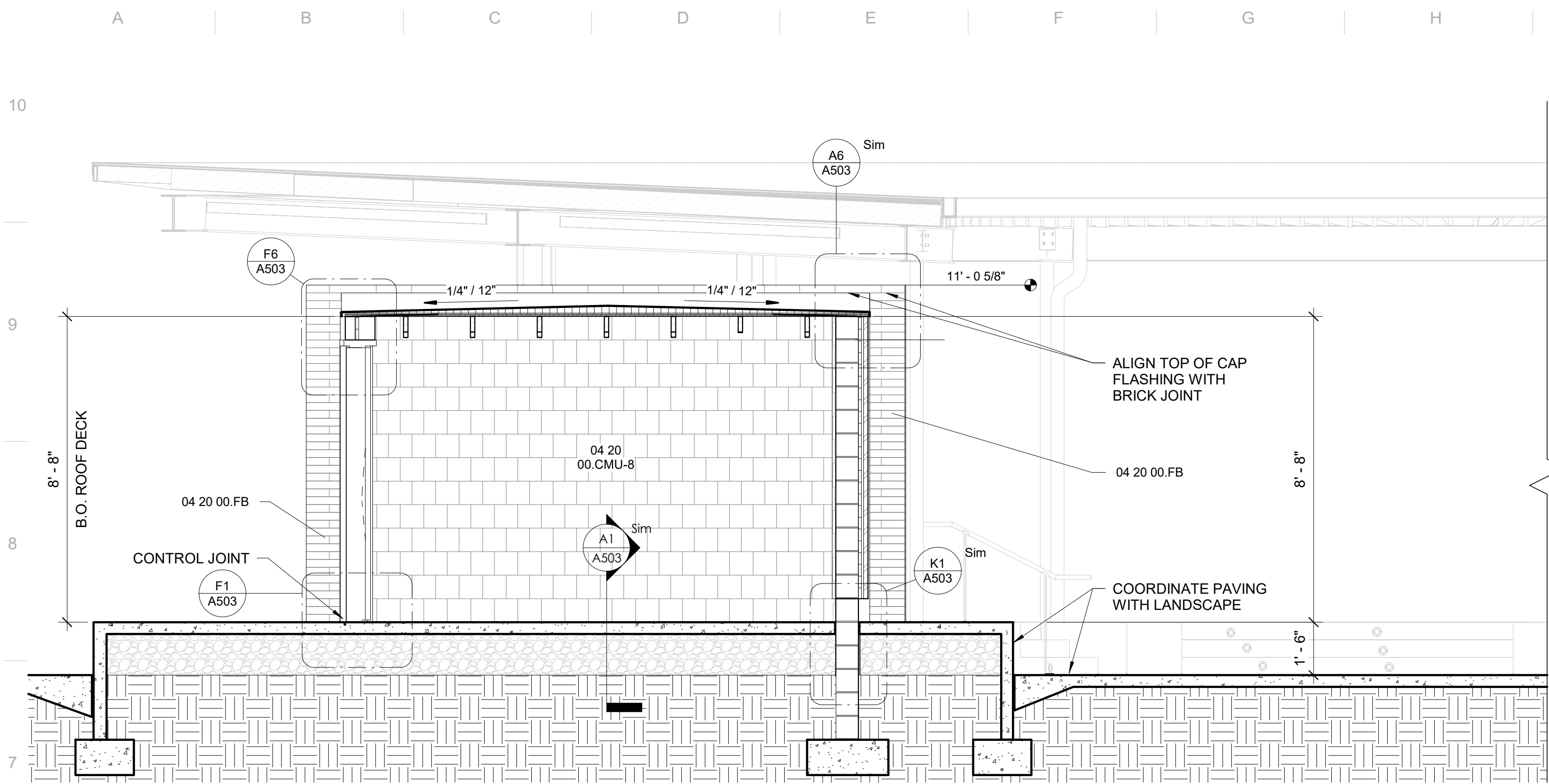
CITY OF TUCKER
TUCKER TOWN GREEN PARK
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REV.	DATE	DESCRIPTION
0	05/21/2024	ISSUED FOR BID

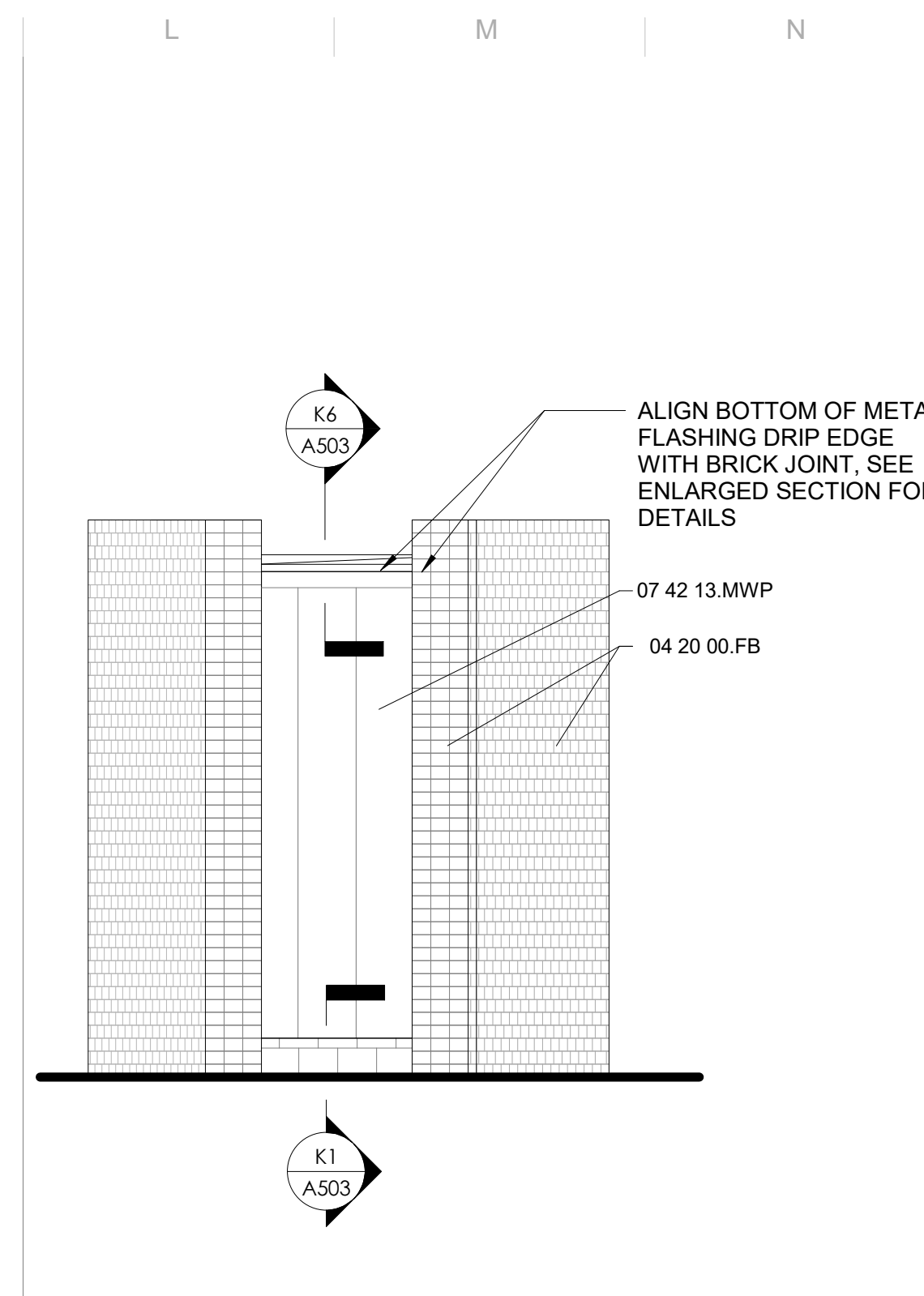
A201

PROJ. NO. 2303

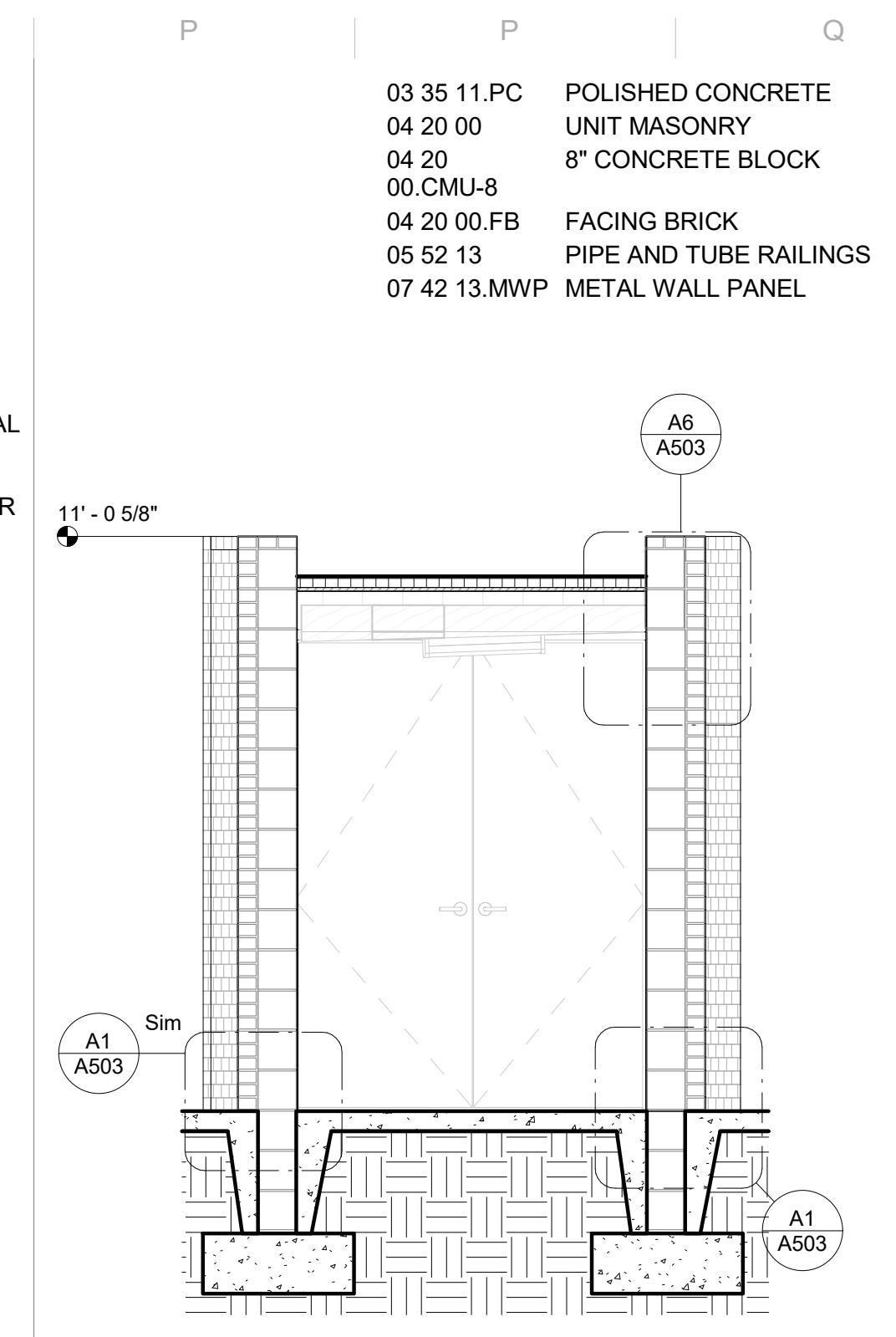




A7 SECTION THRU STORAGE

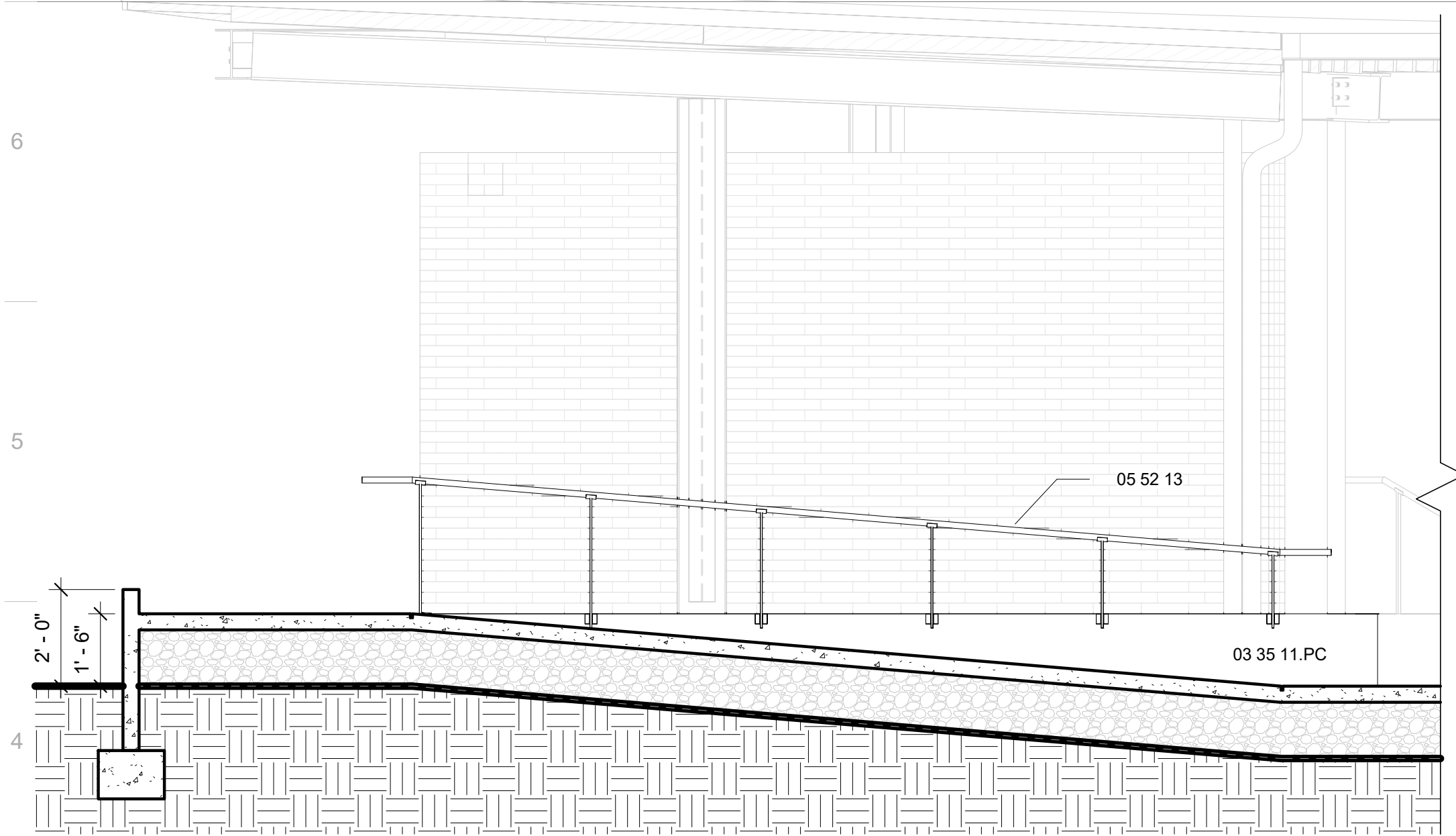


L7 PAVLION STORAGE ELEVATION - SE

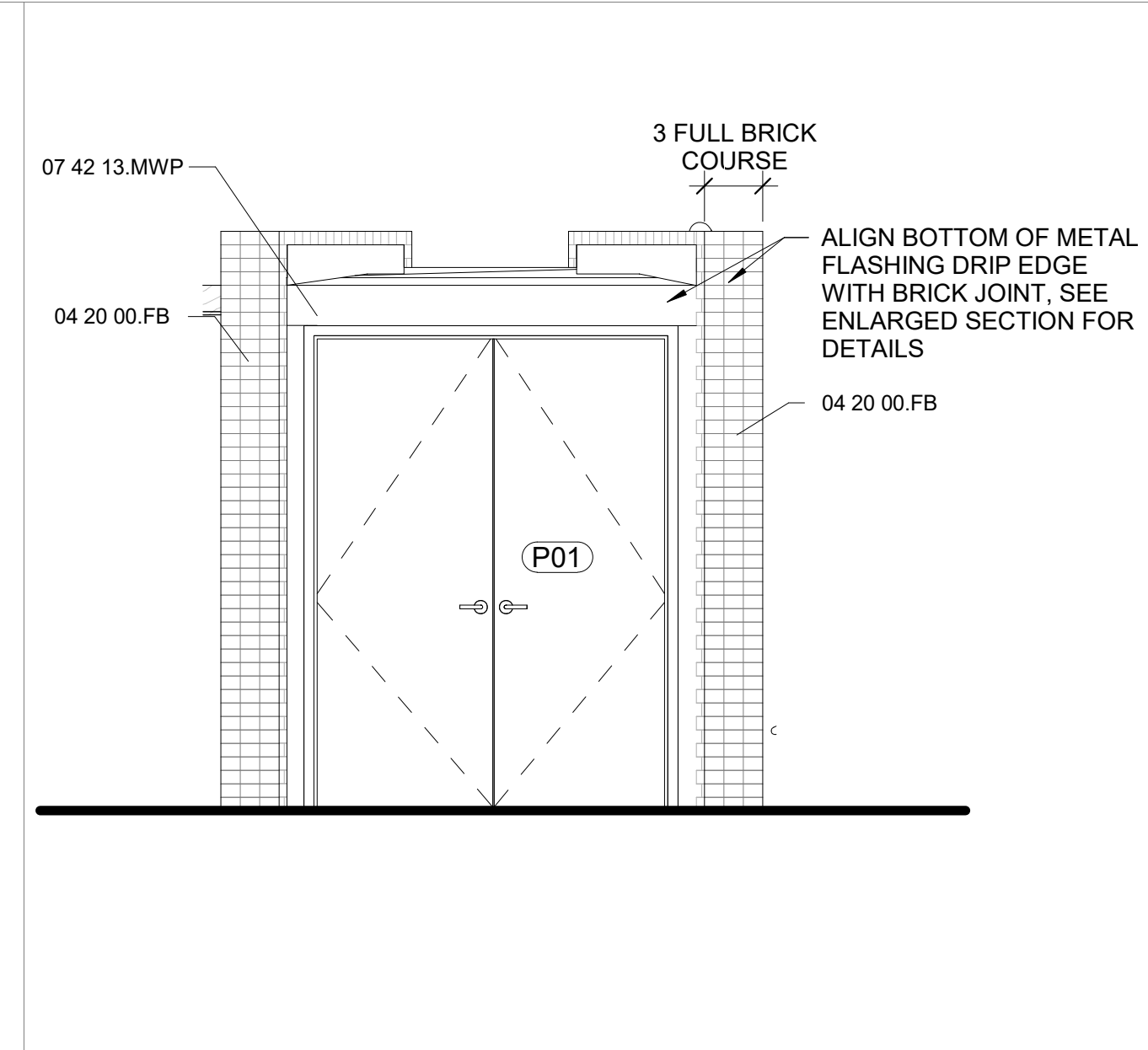


P7 SECTION - PAVILION STORAGE

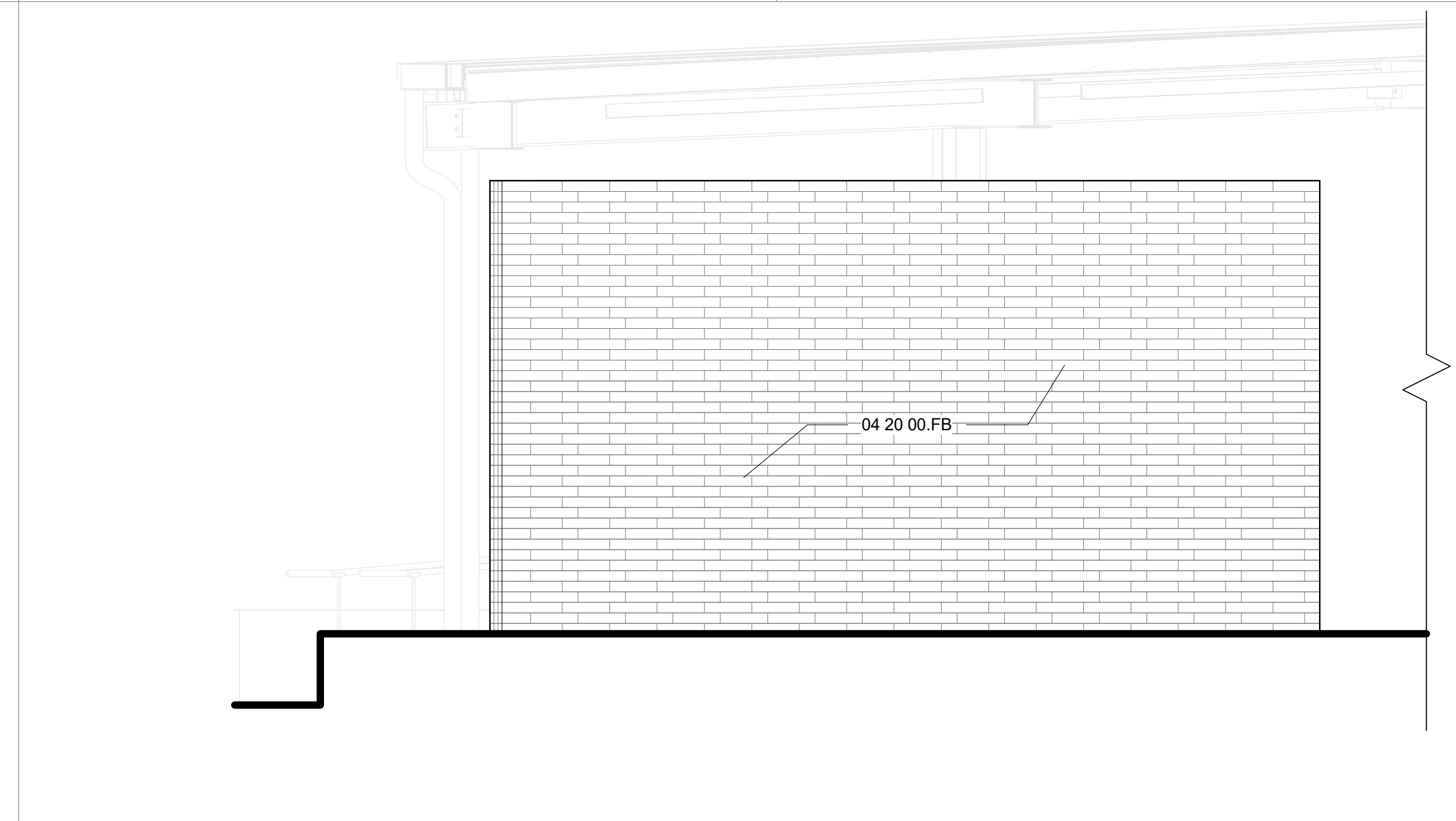
- 03 35 11.PC POLISHED CONCRETE
- 04 20 00 UNIT MASONRY
- 04 20 00.CMU-8 8" CONCRETE BLOCK
- 04 20 00.FB FACING BRICK
- 05 52 13 PIPE AND TUBE RAILINGS
- 07 42 13.MWP METAL WALL PANEL



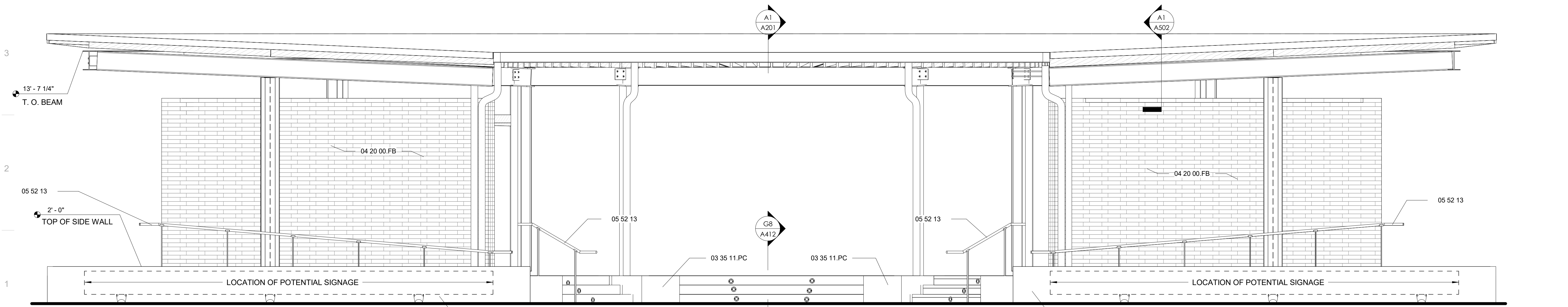
A4 S SECTION THROUGH RAMP



G4 PAVILION STORAGE ELEVATION - NW



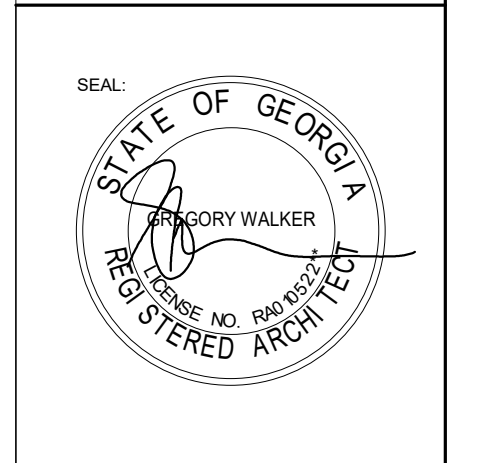
L4 PAVILION STORAGE ELEVATION - NE



A1 S ELEVATION - PAVILION

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HOUSER WALKER
ARCHITECTURE

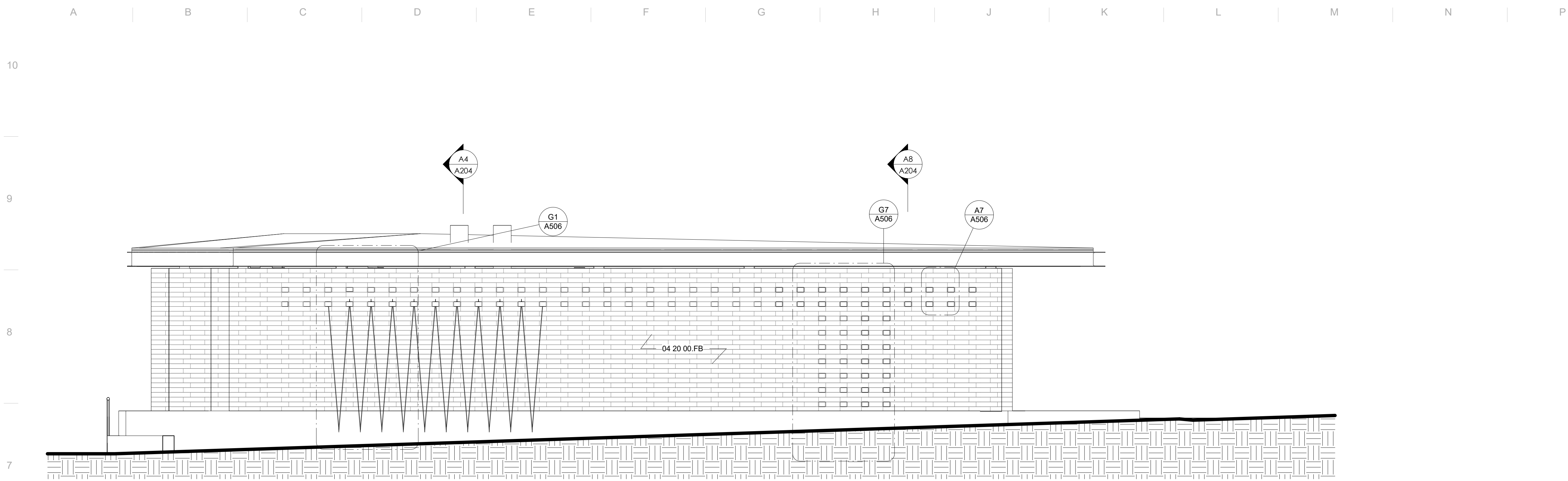
PAVILION SECTIONS AND ELEVATIONS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

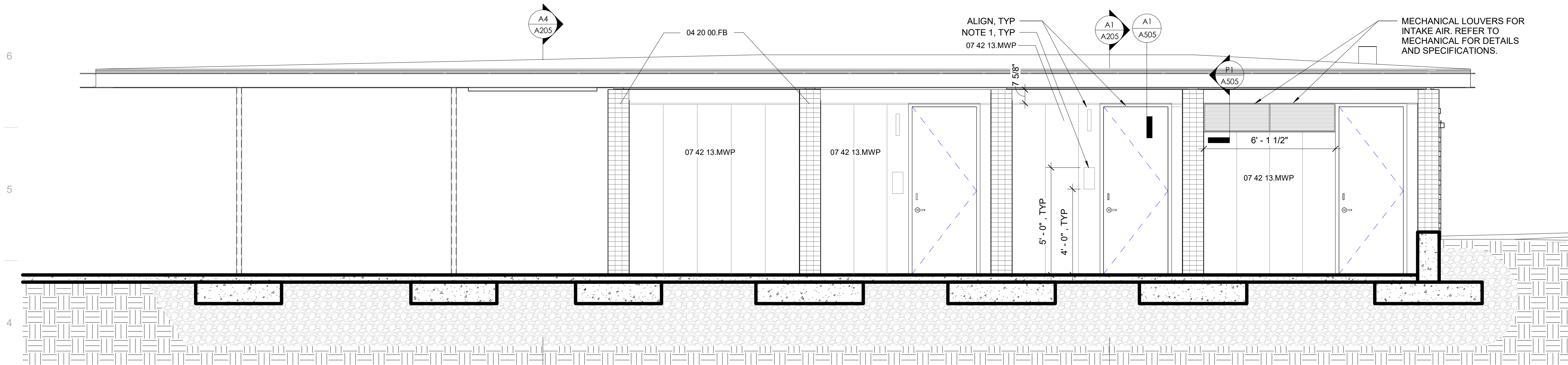
REVISION INFORMATION		DESCRIPTION
REV.	DATE	ISSUED FOR BID
0	05/21/2024	

A202

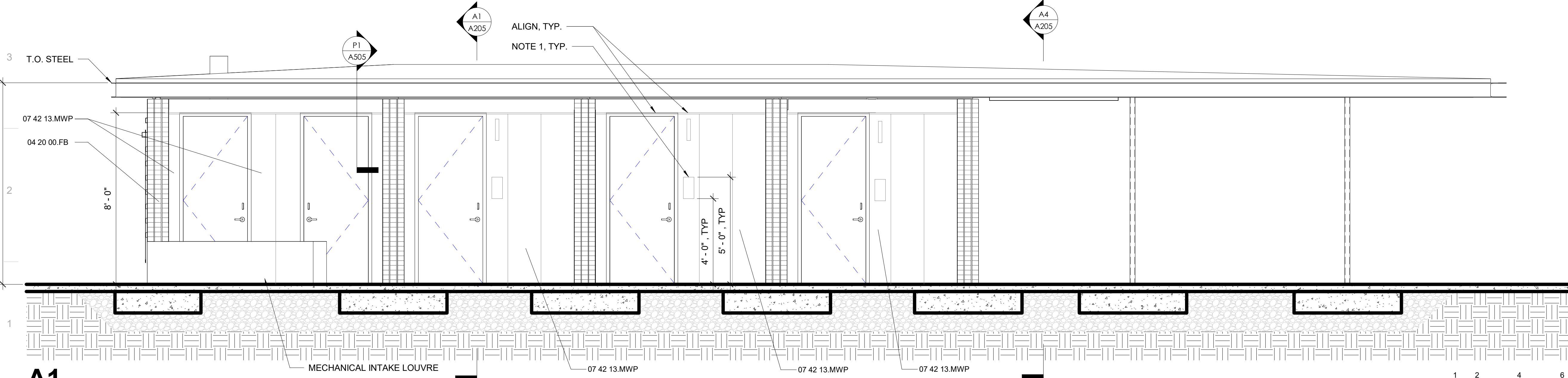
PROJ. NO. 2303



A7 E ELEVATION - RESTROOM



A4 S ELEVATION - RESTROOM



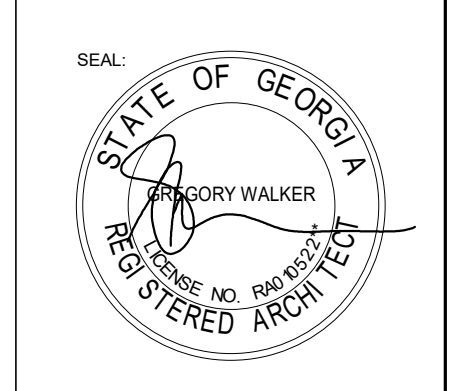
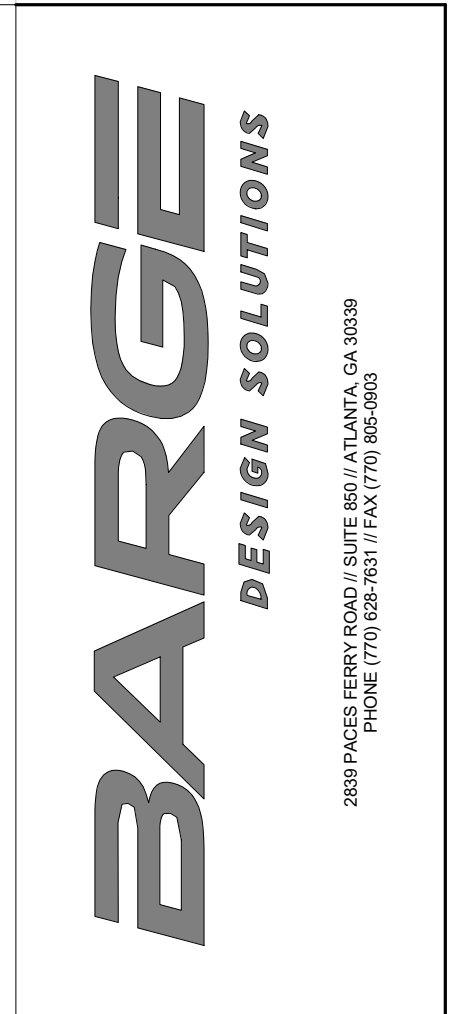
A1 N ELEVATION - RESTROOM

MATERIAL KEYNOTES

GENERAL NOTES

SHEET-SPECIFIC NOTES

1. Signage.
2. Up/Down light fixture near doors at restroom.



HOUSER WALKER ARCHITECTURE

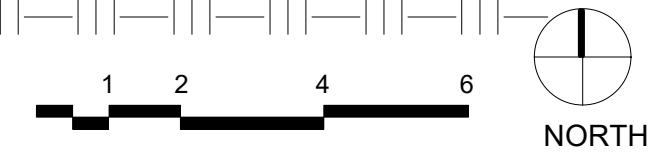
RESTROOM BUILDING ELEVATIONS

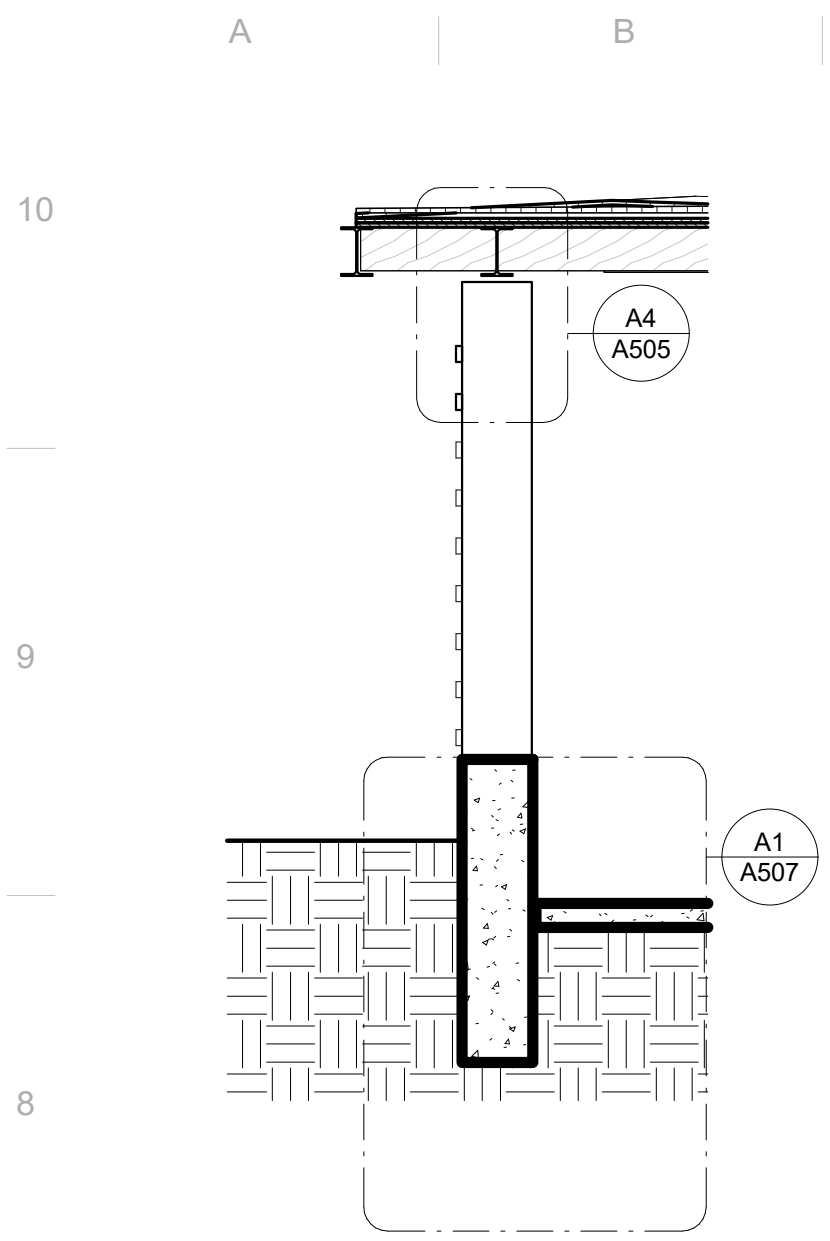
CITY OF TUCKER
TUCKER TOWN GREEN PARK
 RAILROAD AVENUE, TUCKER, GA 30084

REVISION INFORMATION		DESCRIPTION
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A203

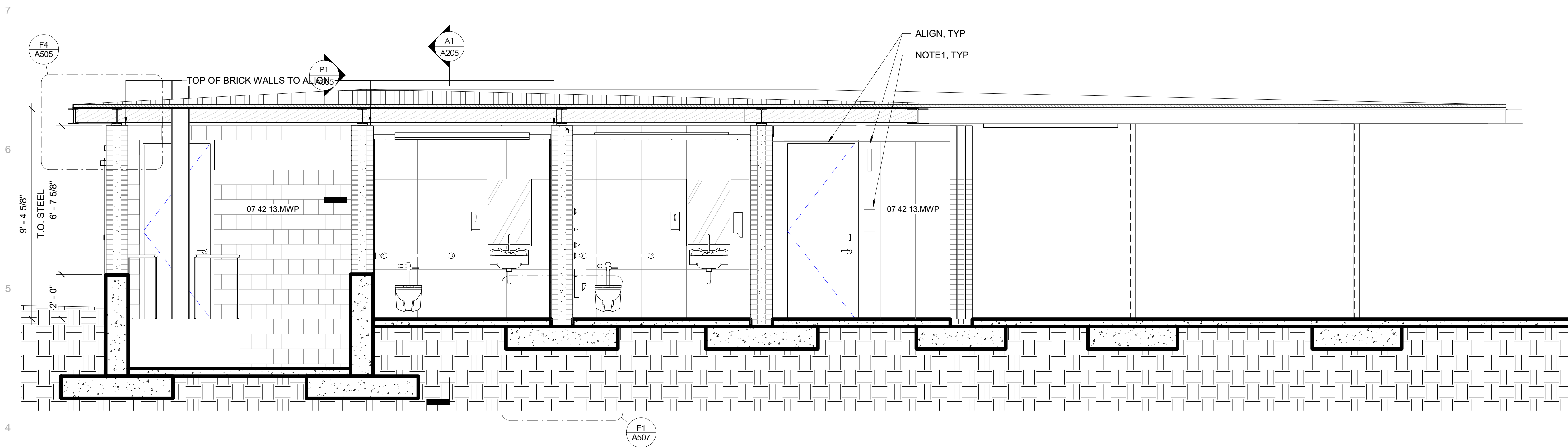
PROJ. NO. 2303



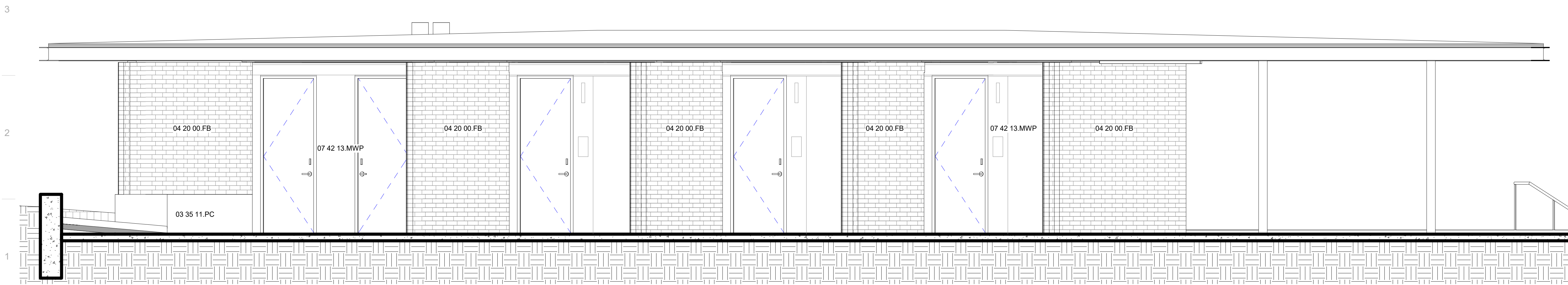


A8 E-W SECTION THROUGH WING WALL

1. Signage.
2. Up/Down light fixture near doors at restroom.



A4 E-W SECTION THROUGH RESTROOMS

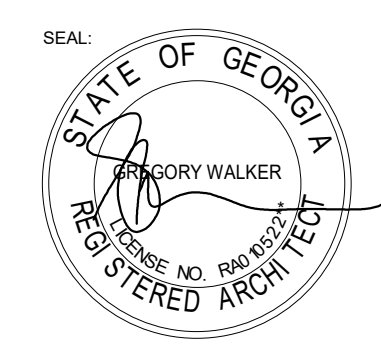


A1 W ELEVATION - RESTROOM



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HOUSER WALKER
ARCHITECTURE

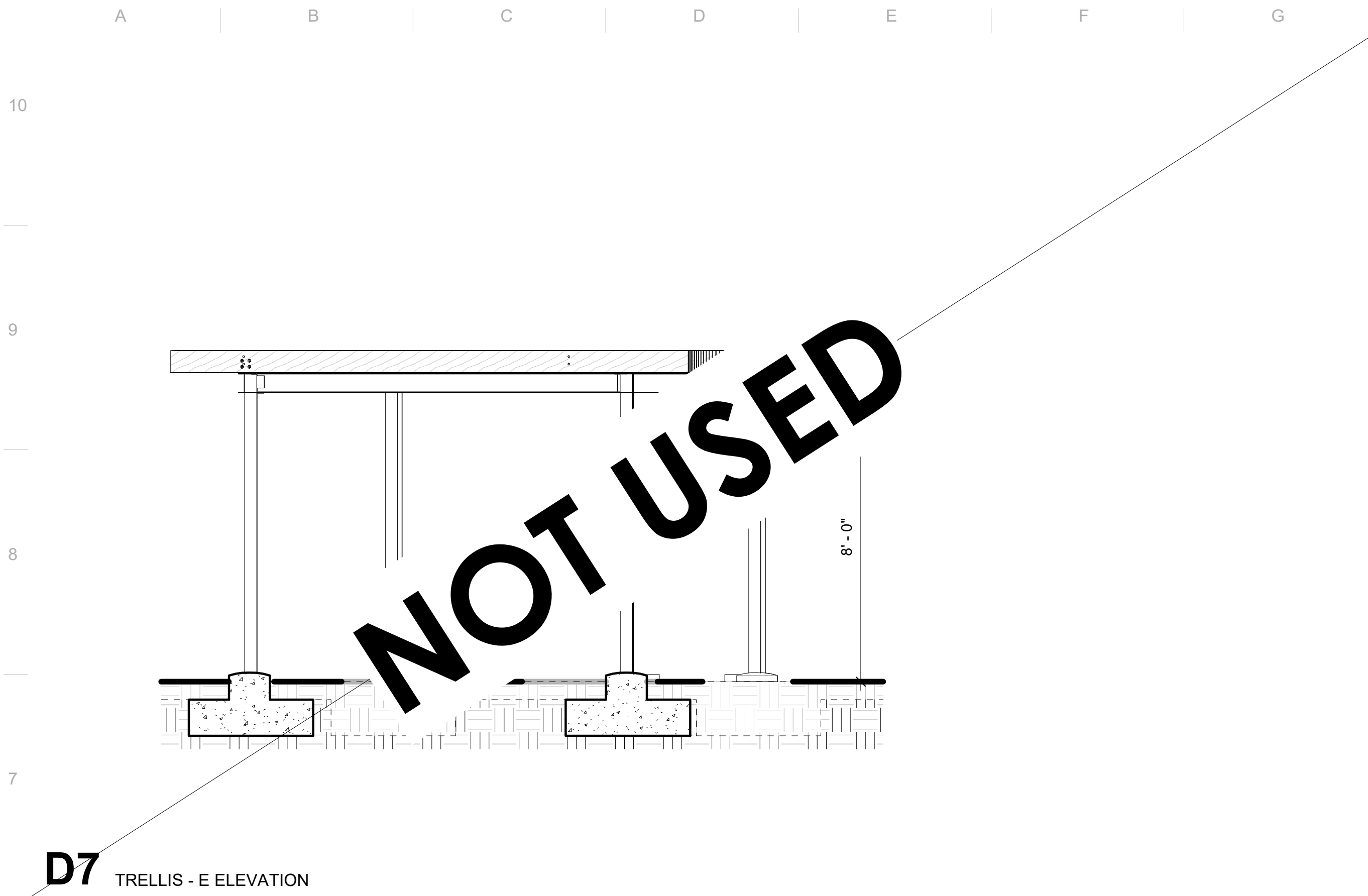
RESTROOM BUILDING SECTIONS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

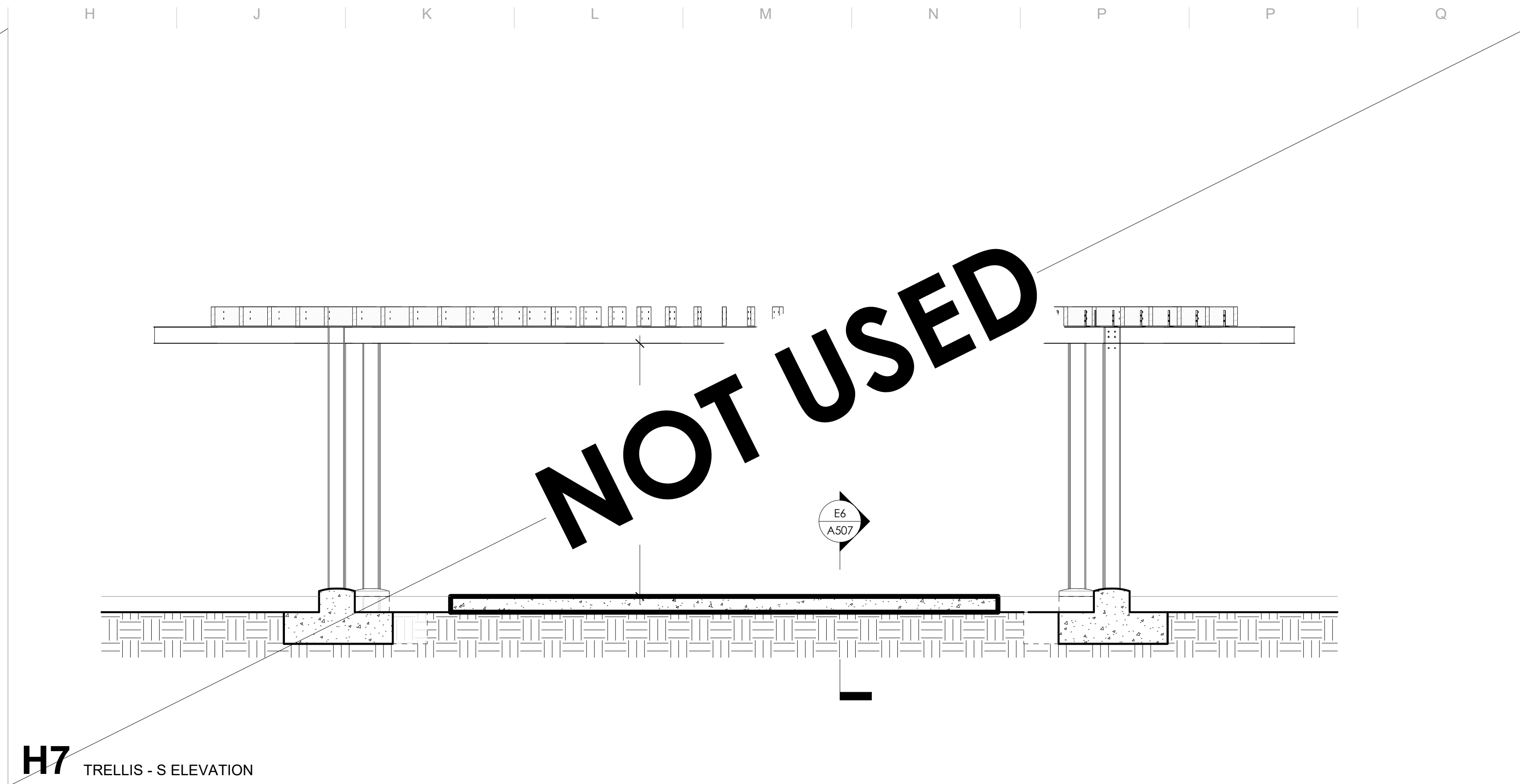
REVISION INFORMATION	REV.	DATE	DESCRIPTION
	0	05/21/2024	ISSUED FOR BID

A204

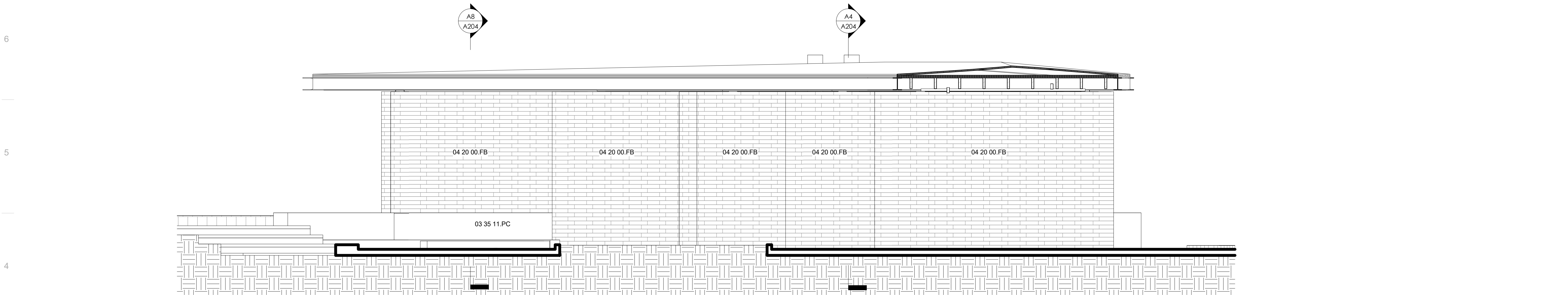
PROJ. NO. 2303



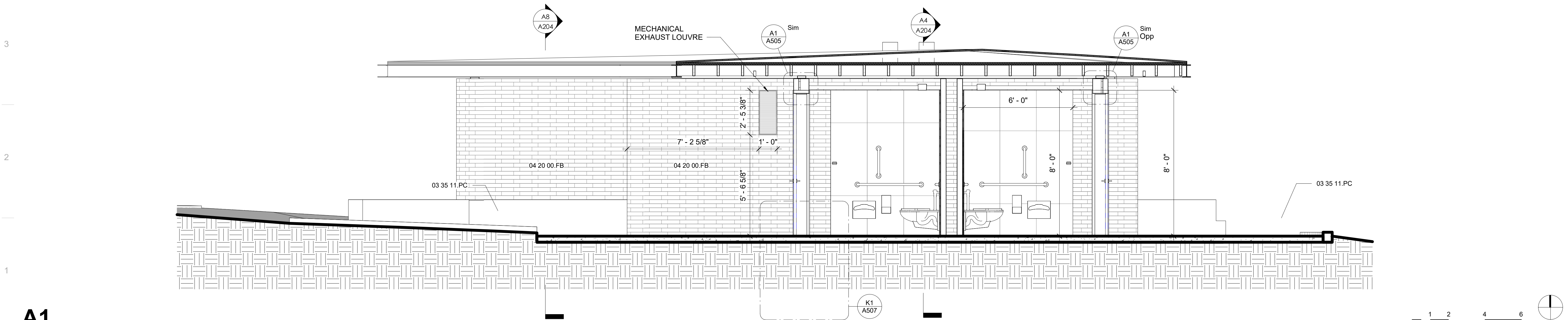
D7 TRELLIS - E ELEVATION



H7 TRELLIS - S ELEVATION



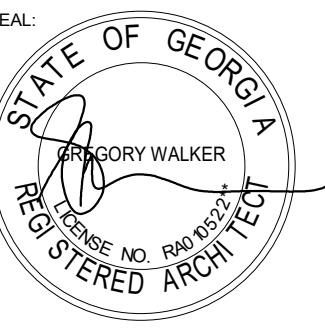
A4 N-S SECTION THROUGH CANOPY



A1 N-S SECTION THROUGH RESTROOMS

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DESIGN SOLUTIONS

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**HOUSER
WALKER**
ARCHITECTURE

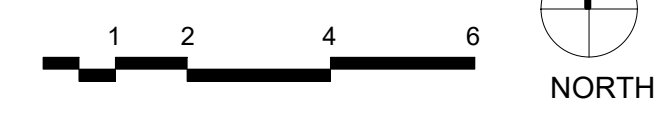
RESTROOM BUILDING SECTION AND
TRELLIS ELEVATIONS

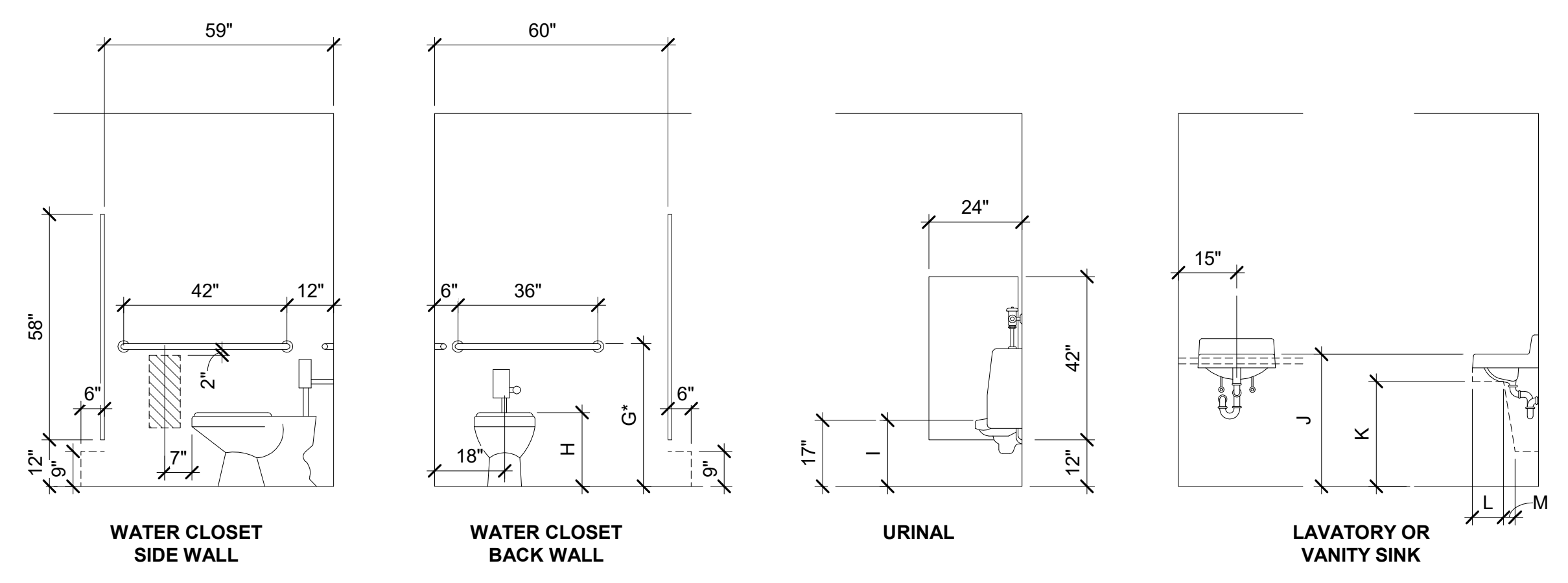
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

REVISION INFORMATION		DESCRIPTION
REV.	DATE	ISSUED FOR BID
0	05/21/2024	

A205

PROJ. NO. 2303





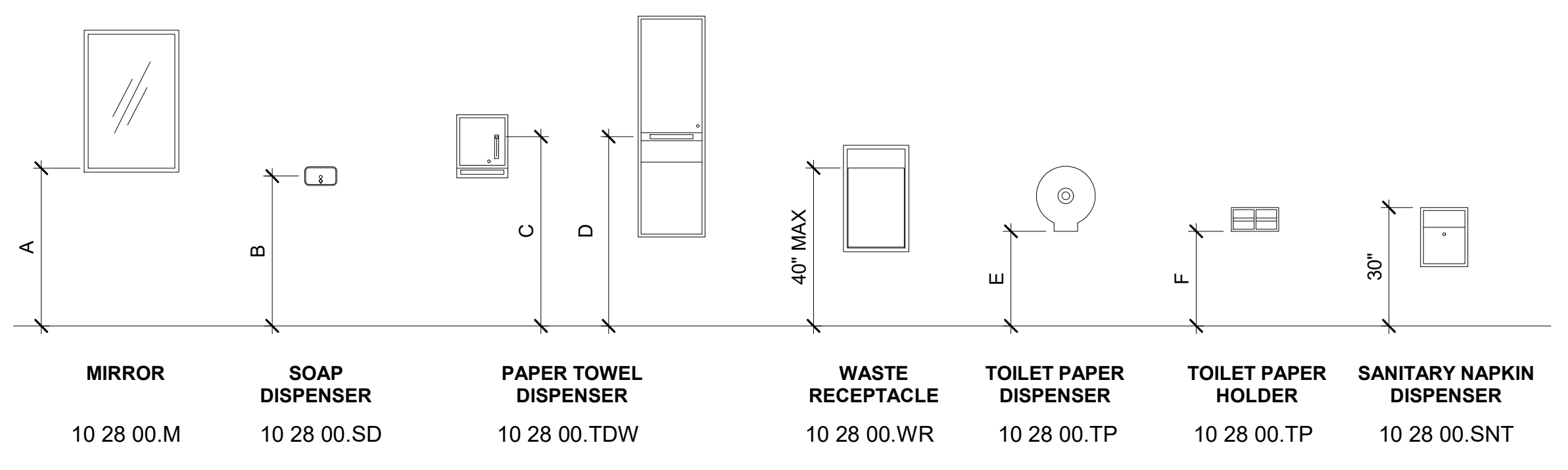
A7 TYPICAL MOUNTING HEIGHTS

TYPICAL PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS

	A	B	C	D	E	F	G*	H	I	J	K	L	M
TYPE A	38"	38"	46"	46"	19"	19"	36"	17"	17"	34"	27"	8"	6"
TYPE B	36"	34"	42"	42"	14"	14"	20"	12"	12"	30"	24"	8"	4"
TYPE C	38"	36"	40"	40"	17"	17"	25"	15"	15"	32"	24"	8"	4"

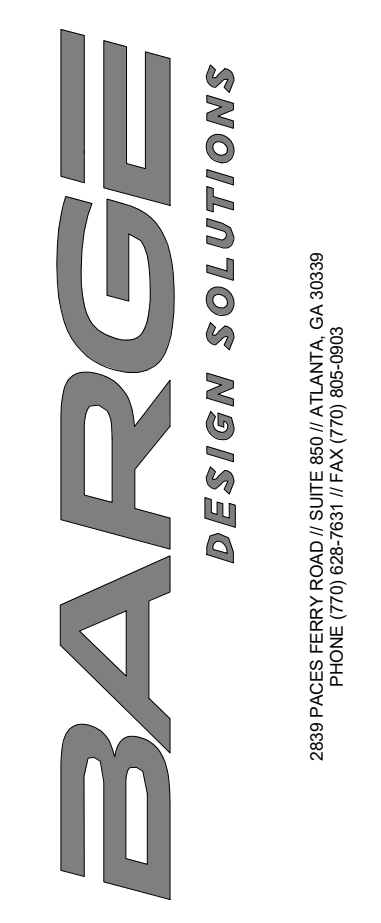
*Dimension is to top of grab bar.

TYPICAL TOILET ACCESSORIES MOUNTING HEIGHTS

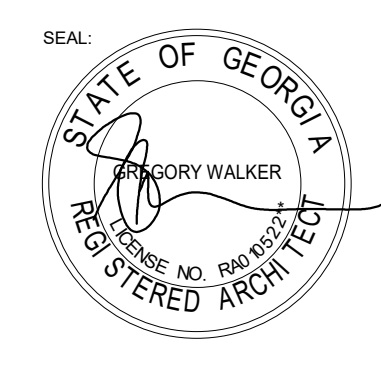


MATERIAL KEYNOTES

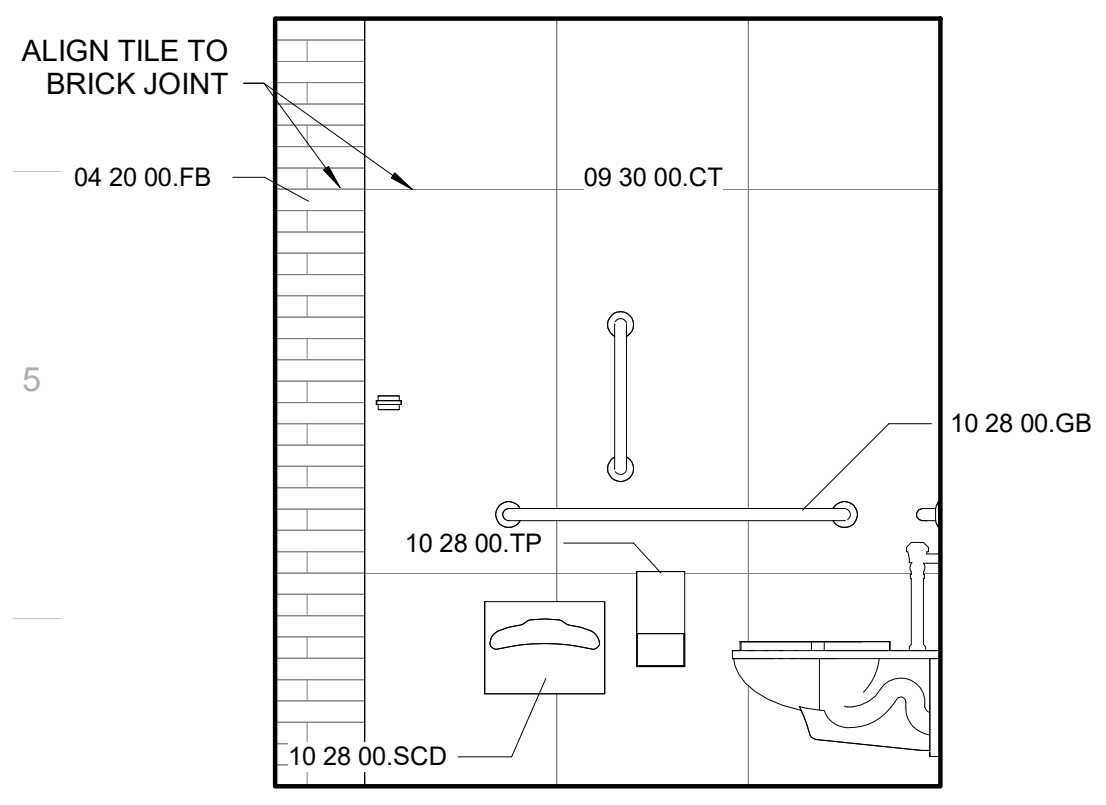
- 04 20 00.CMU-8 8" CONCRETE BLOCK
- 04 20 00.FB FACING BRICK
- 07 42 13.MWP METAL WALL PANEL
- 09 30 00.CT PORCELAIN TILE
- 10 28 00.CS SS CHANGING STATION
- 10 28 00.GB GRAB BAR
- 10 28 00.M MIRROR
- 10 28 00.PT PAPER TOWEL DISPENSER
- 10 28 00.SCD SEAT COVER DISPENSER
- 10 28 00.SD SOAP DISPENSER
- 10 28 00.TP TOILET PAPER DISPENSER



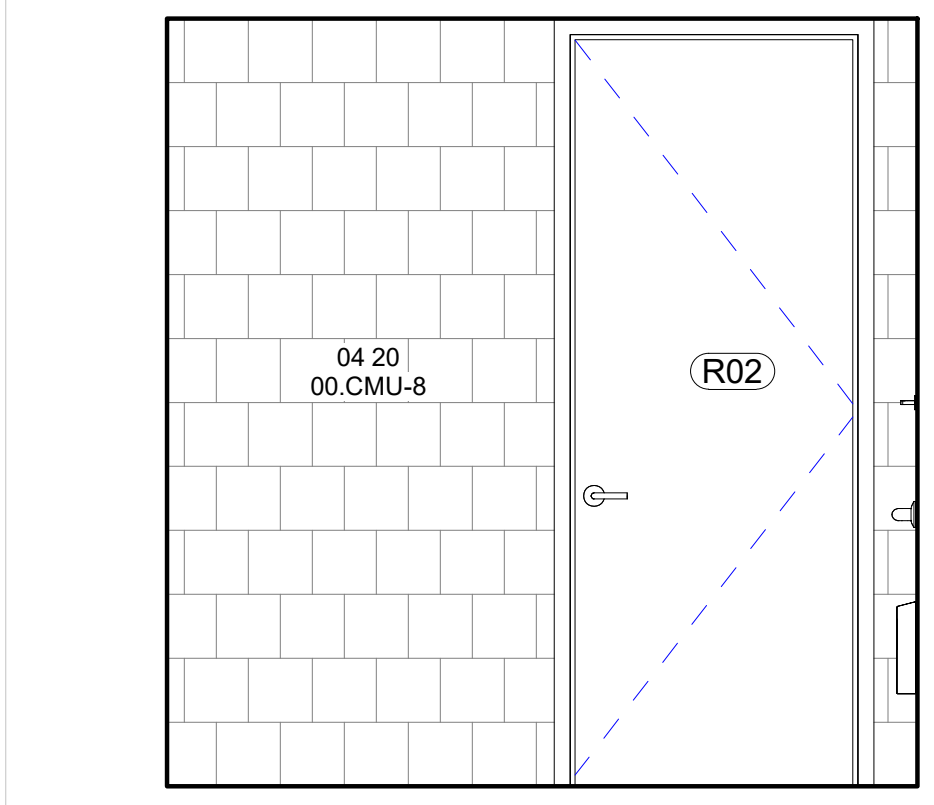
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HOUSER WALKER
ARCHITECTURE

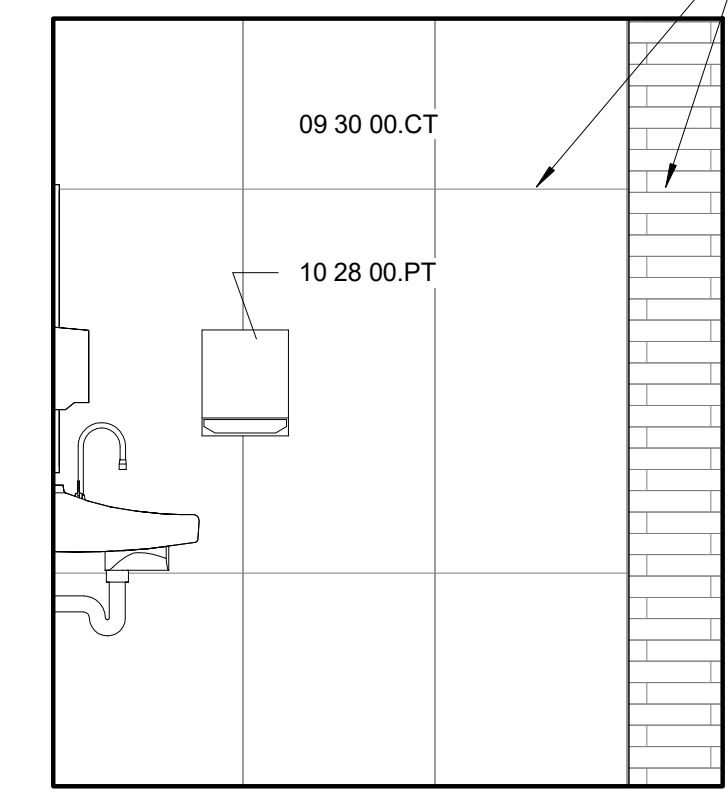


A4 UNISEX RESTROOM E ELEVATION



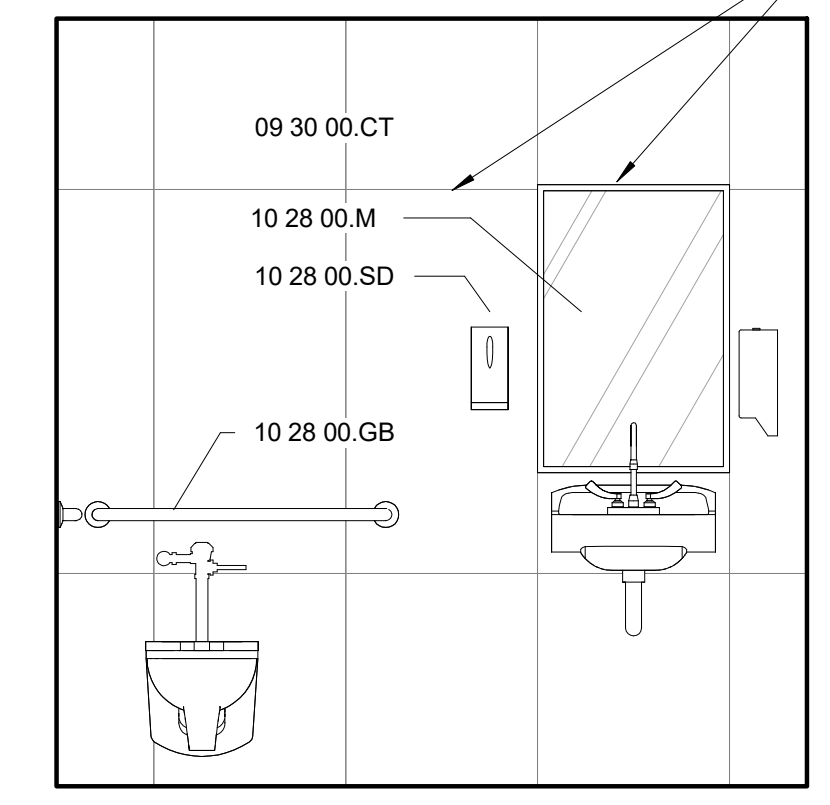
E4 UNISEX RESTROOM N ELEVATION

ALIGN TILE TO BRICK JOINT



H4 UNISEX RESTROOM W ELEVATION

ALIGN TOP OF MIRROR TO TILE

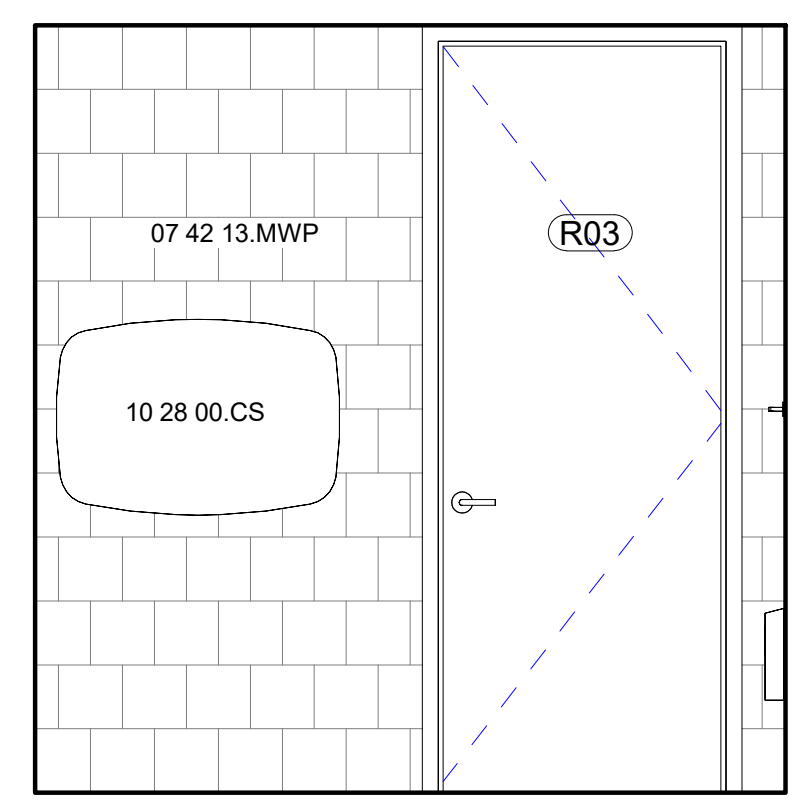


L4 UNISEX RESTROOM - S ELEVATION

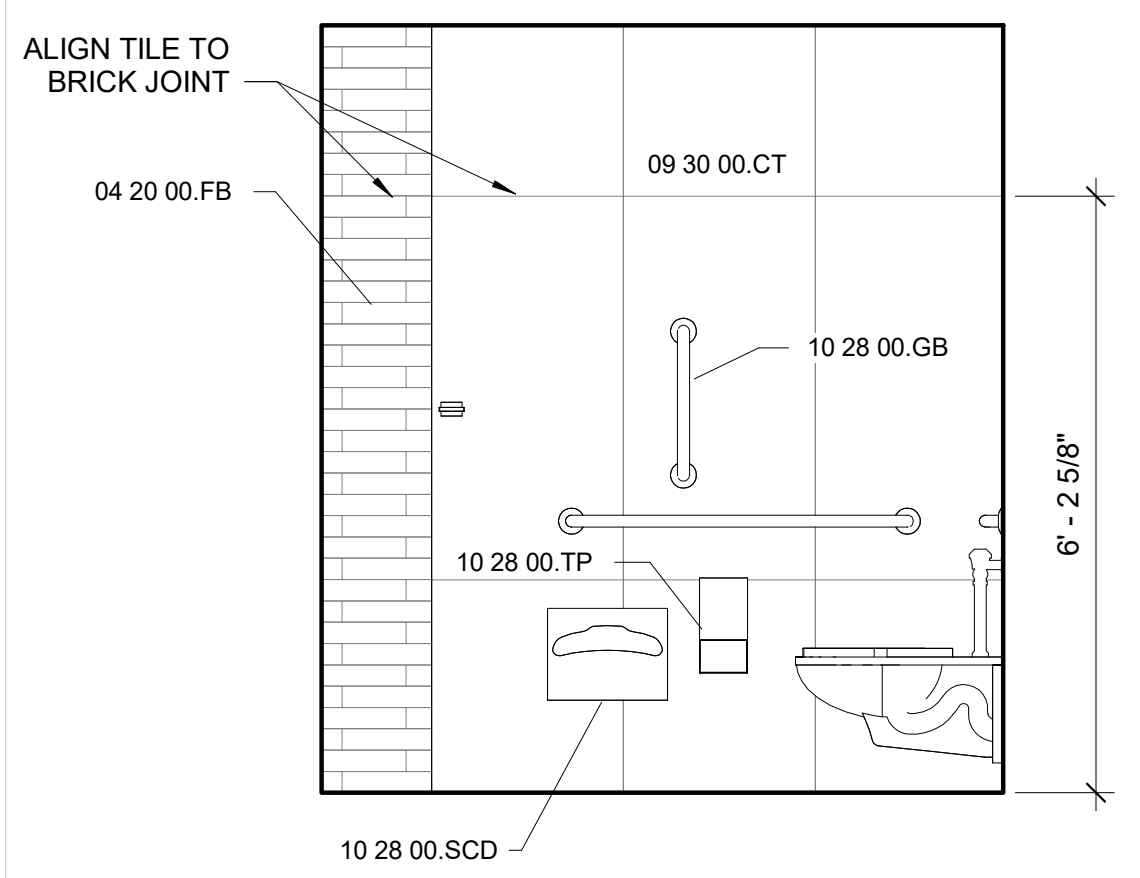
GENERAL NOTES

SHEET-SPECIFIC NOTES

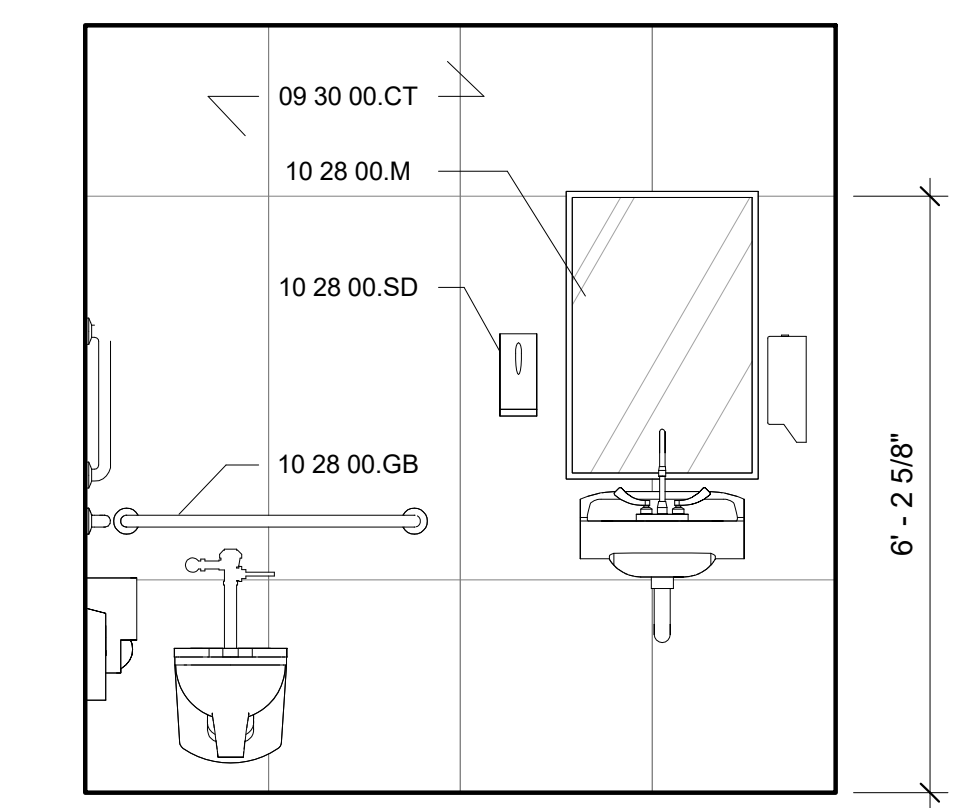
- Schluter Strip around tile edge.
- NOTE 2.
-



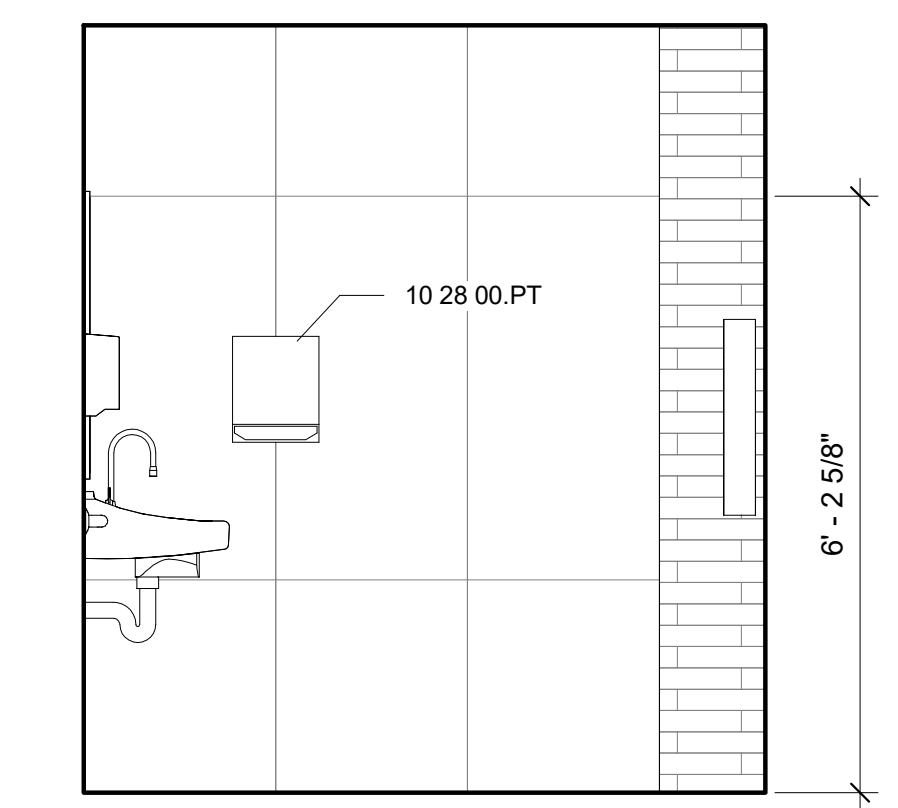
A1 FAMILY RESTROOM N ELEVATION



E1 FAMILY RESTROOM E ELEVATION



H1 FAMILY RESTROOM S ELEVATION



L1 FAMILY RESTROOM W ELEVATION



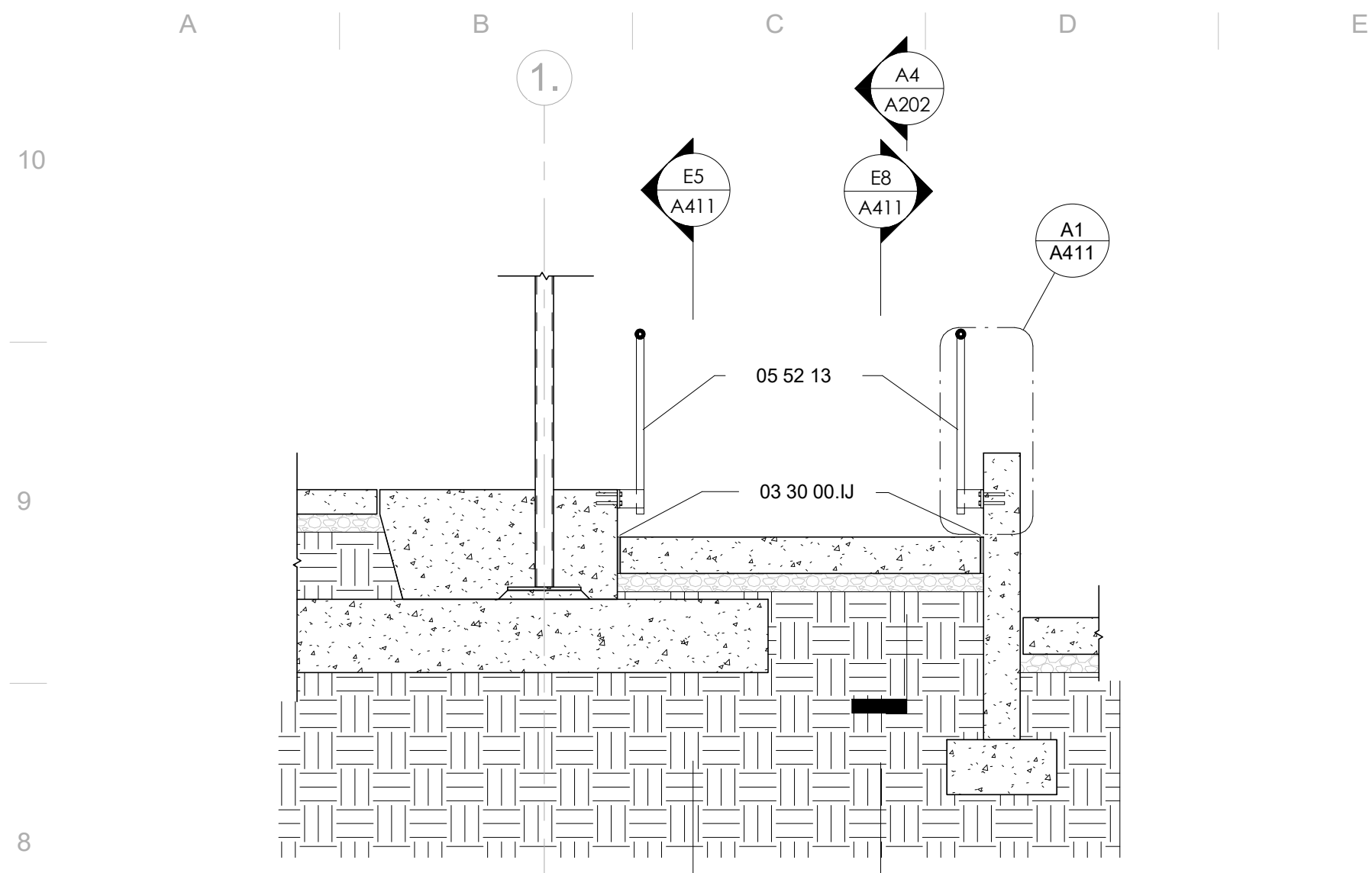
RESTROOM PLANS, RCPS, AND ELEVATIONS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

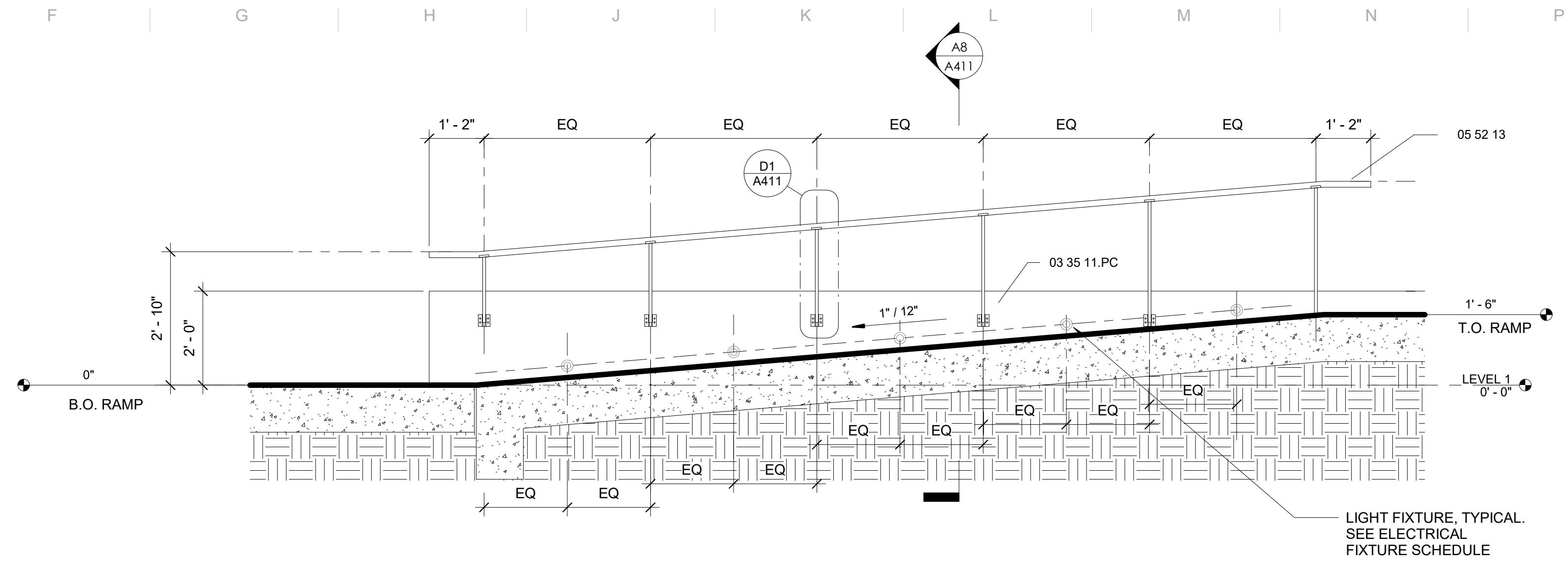
REVISION INFORMATION

REV.	DATE	DESCRIPTION
0	05/21/2024	ISSUED FOR BID

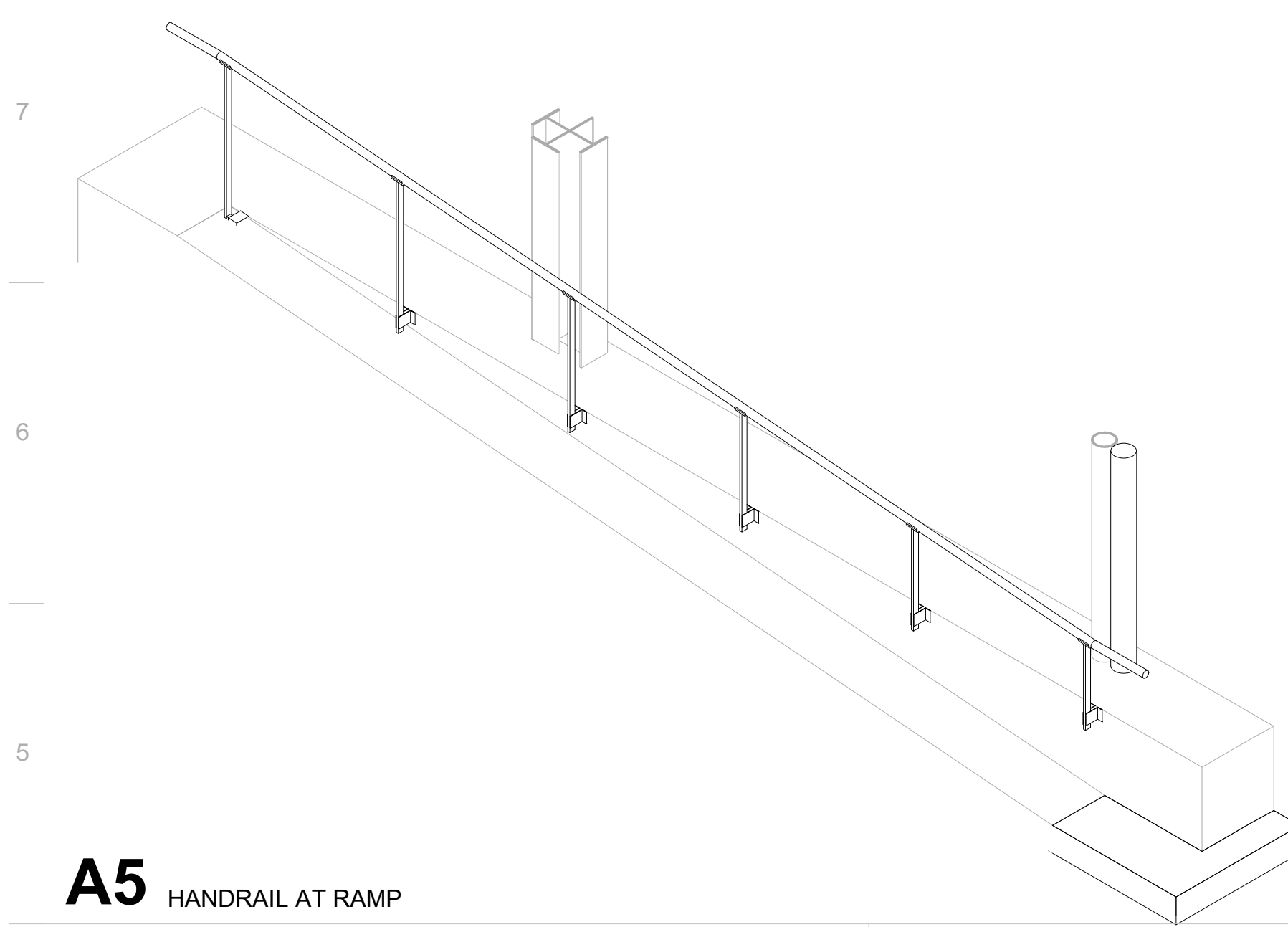
A401
PROJ. NO. 2303



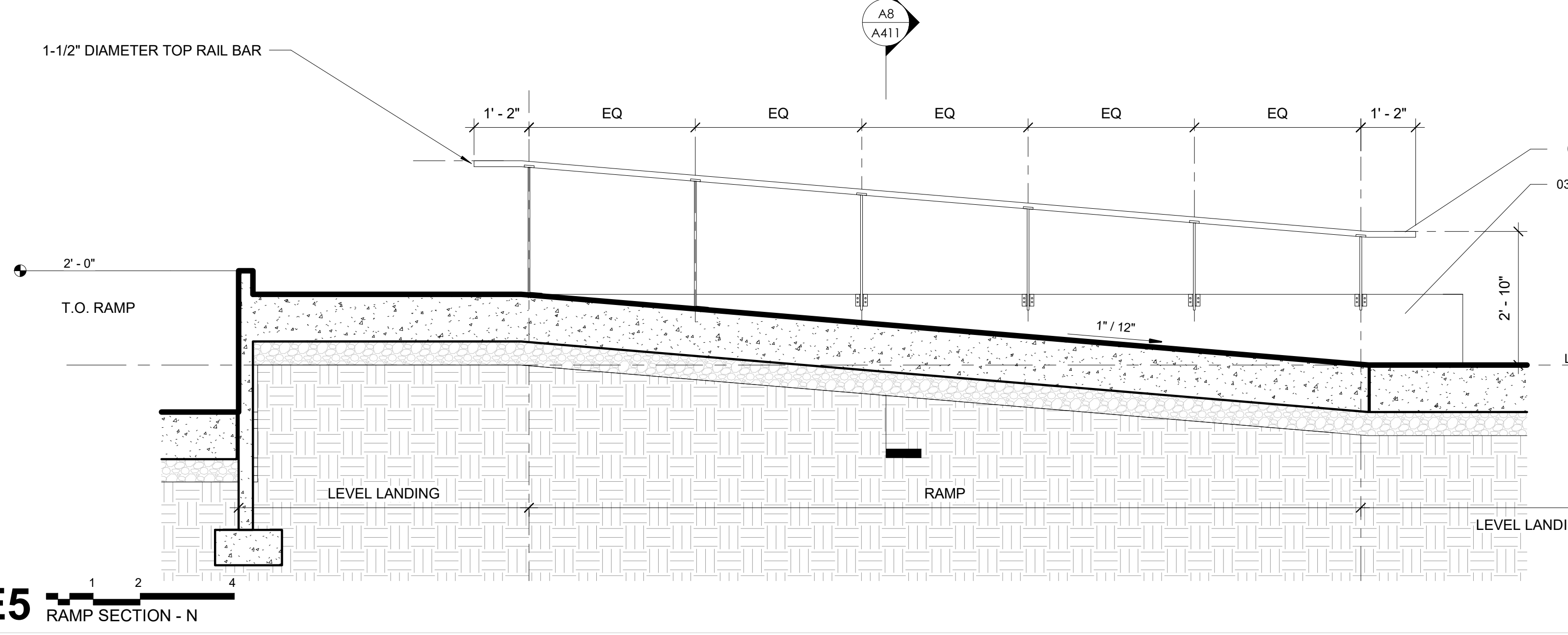
A8 RAMP SECTION - E



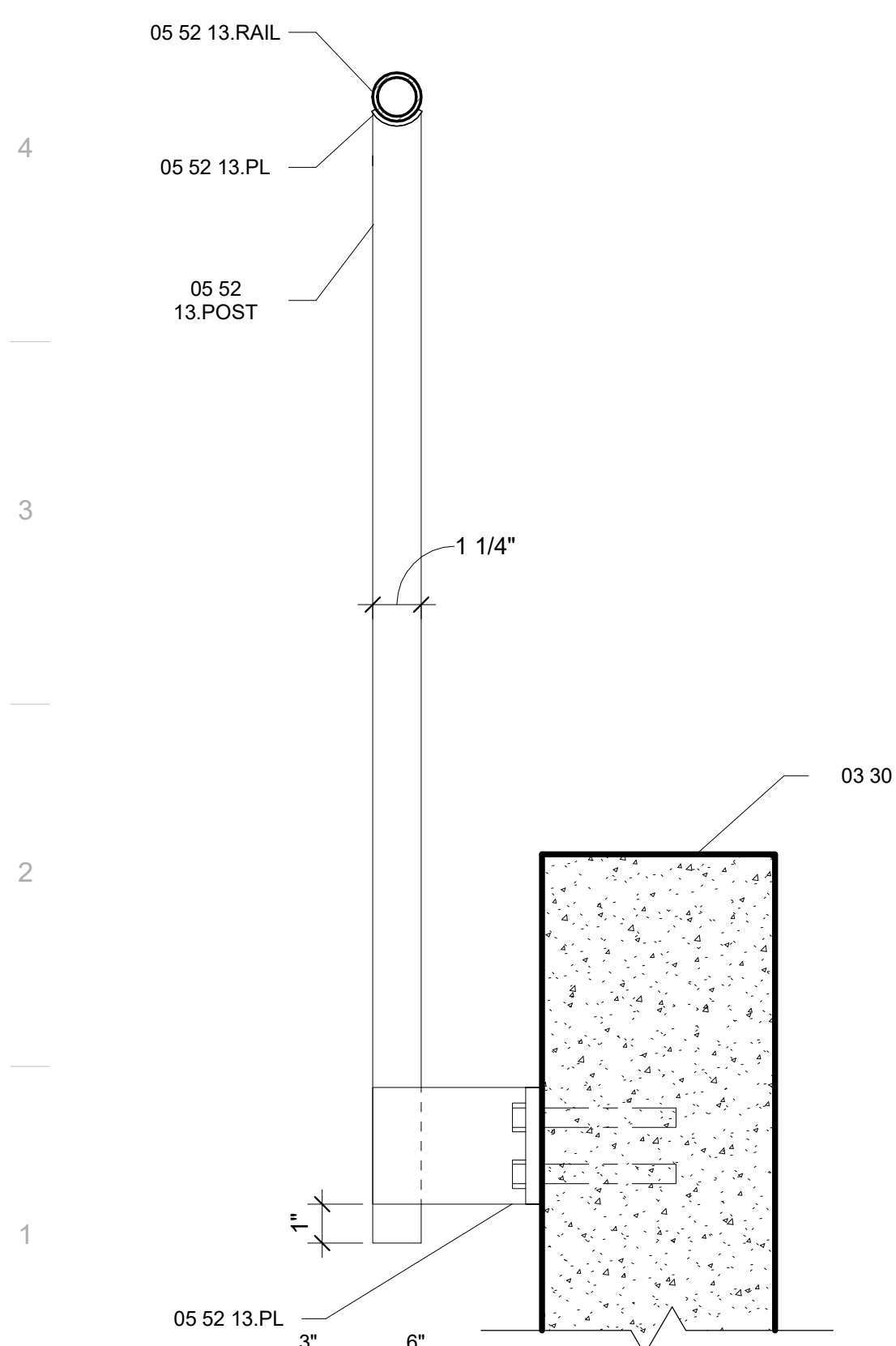
E8 RAMP SECTION - S



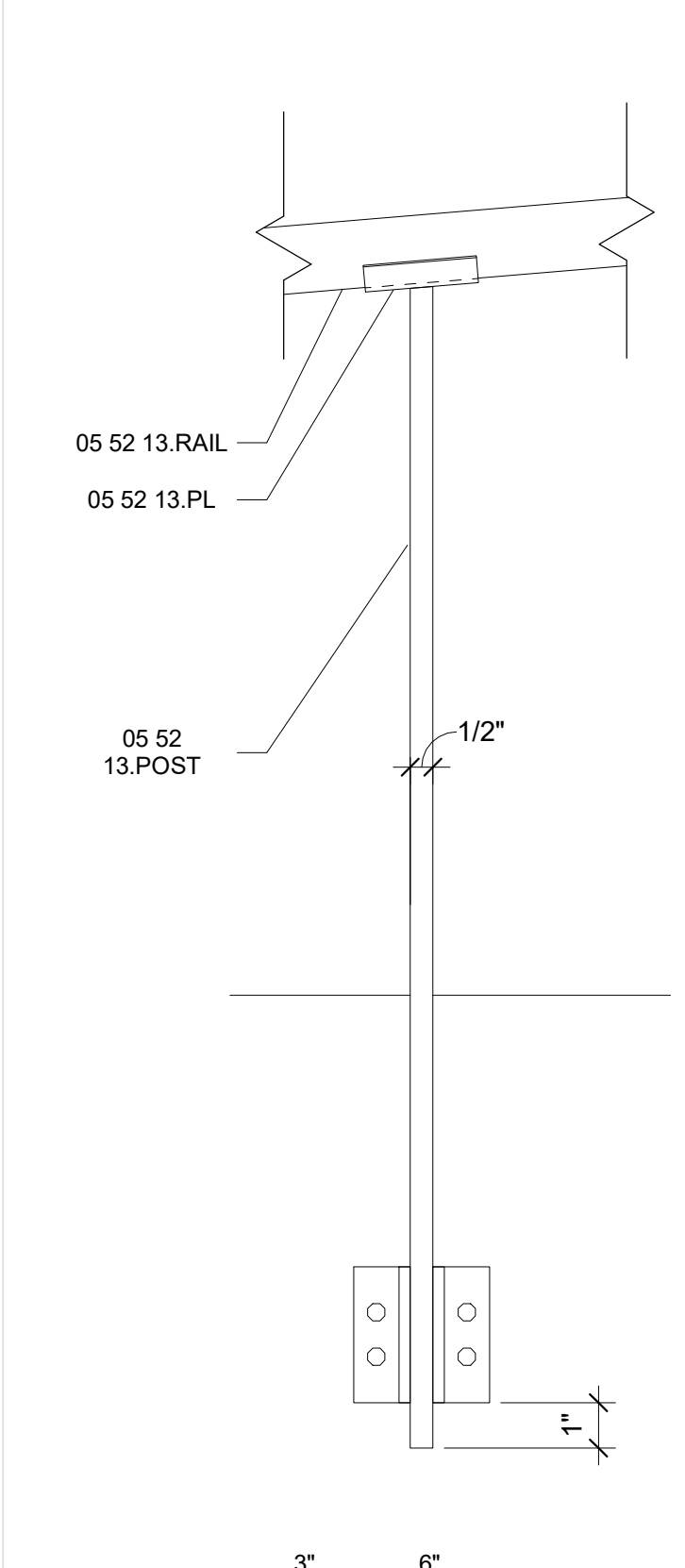
A5 HANDRAIL AT RAMP



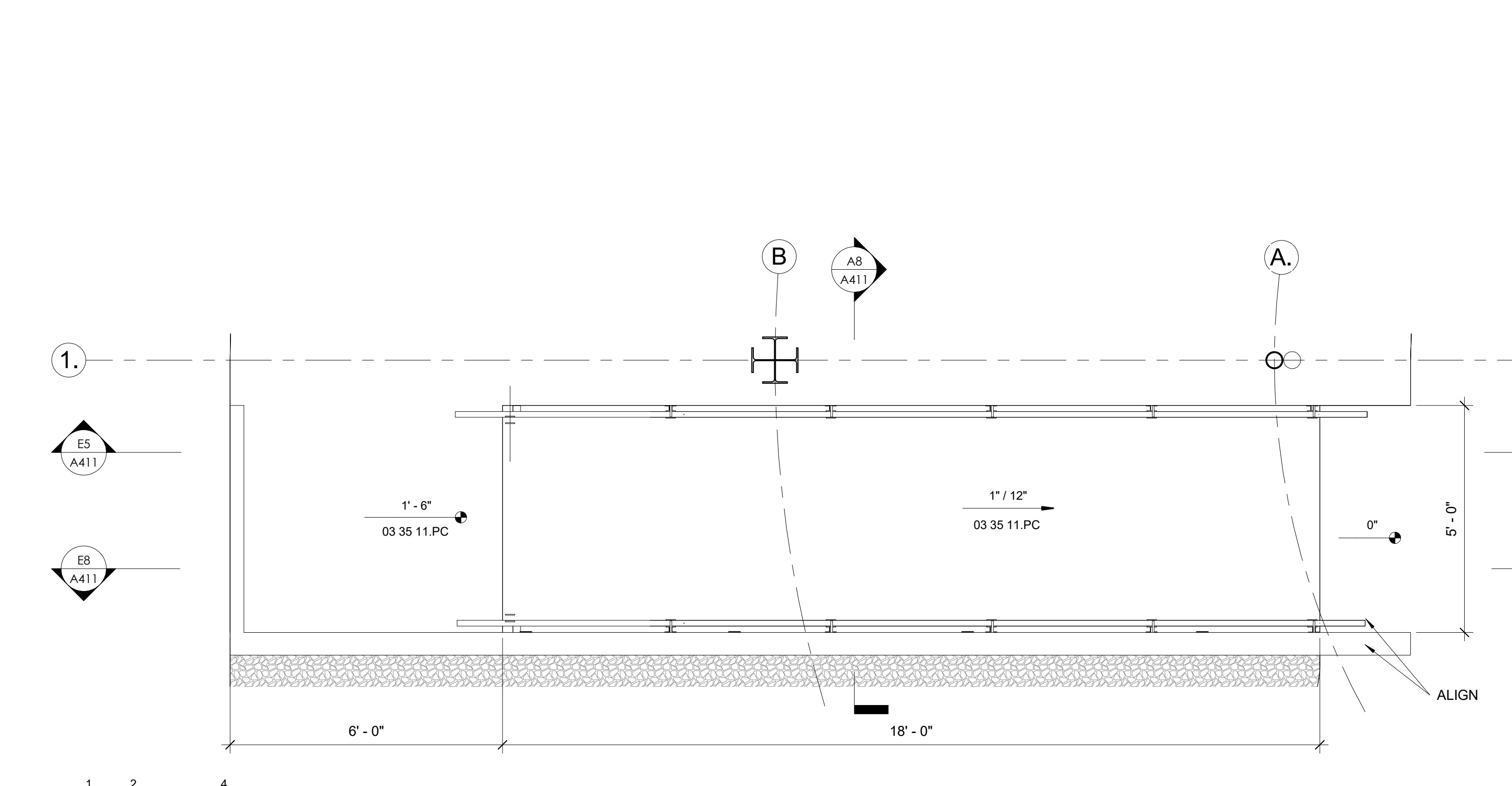
E5 RAMP SECTION - N



A1 RAMP SECTION - E - Callout 1



D1 Detail 6



E1 ADA RAMP ENLARGED PLAN

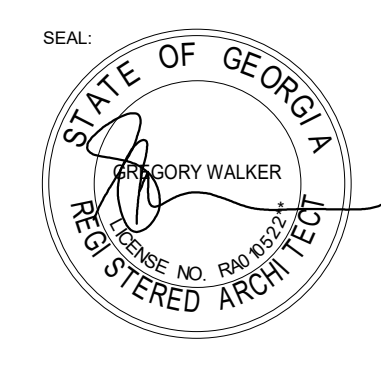
MATERIAL KEYNOTES

03 30 00	CAST IN PLACE CONCRETE
03 30 00.IJ	ISOLATION JOINT
03 35 11.PC	POLISHED CONCRETE
05 52 13	PIPE AND TUBE RAILINGS
05 52 13.PL	RAILING MOUNTING PLATE
05 52	RAILING POST MEMBER
13.POST	
05 52 13.RAIL	RAILING TOP MEMBER

GENERAL NOTES
A. See A101 for additional notes.

SHEET-SPECIFIC NOTES
1. See A101 for additional notes.

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DESIGN SOLUTIONS



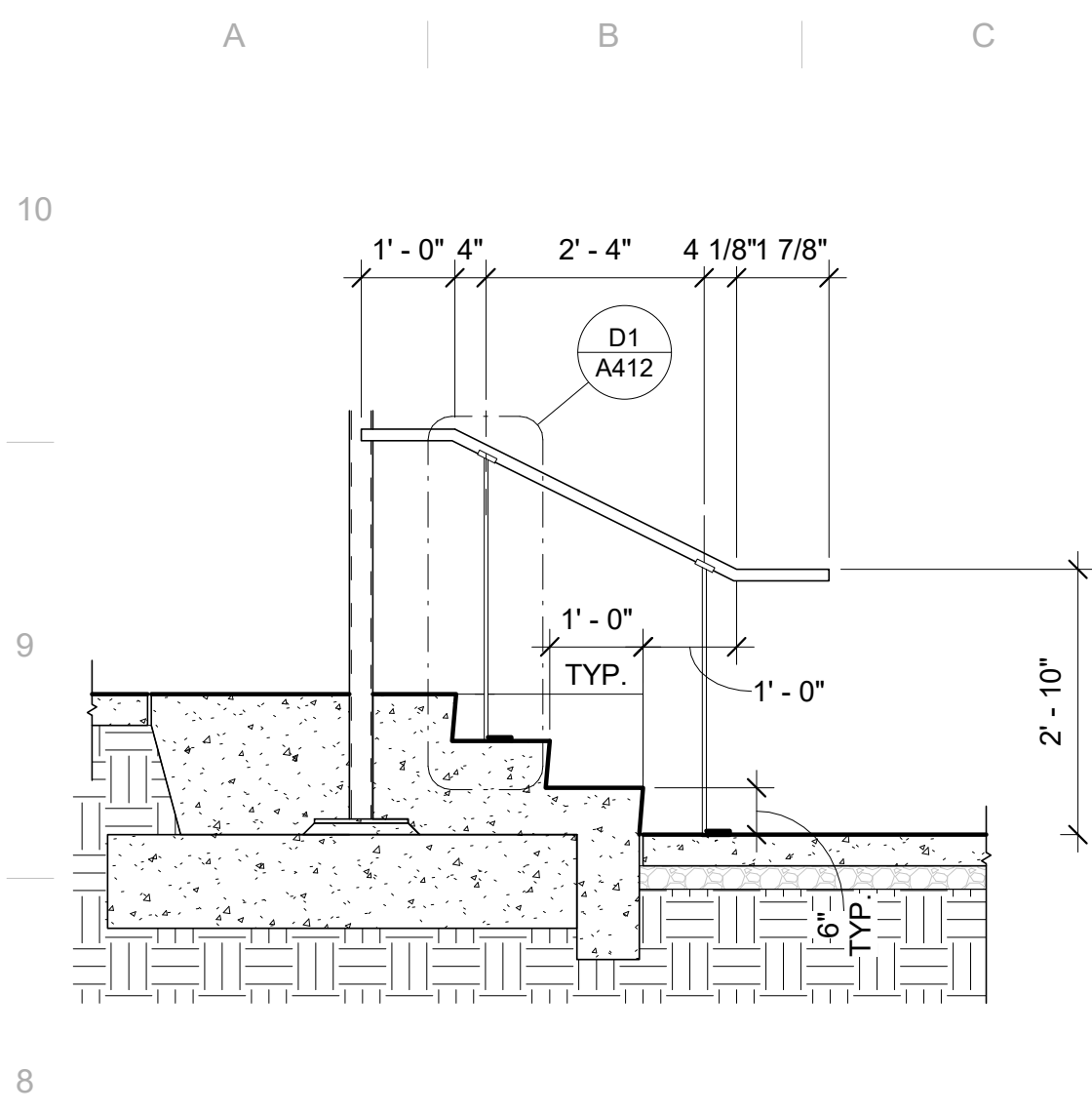
HOUSER WALKER
ARCHITECTURE

RAMP PLAN, SECTION, DETAILS
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

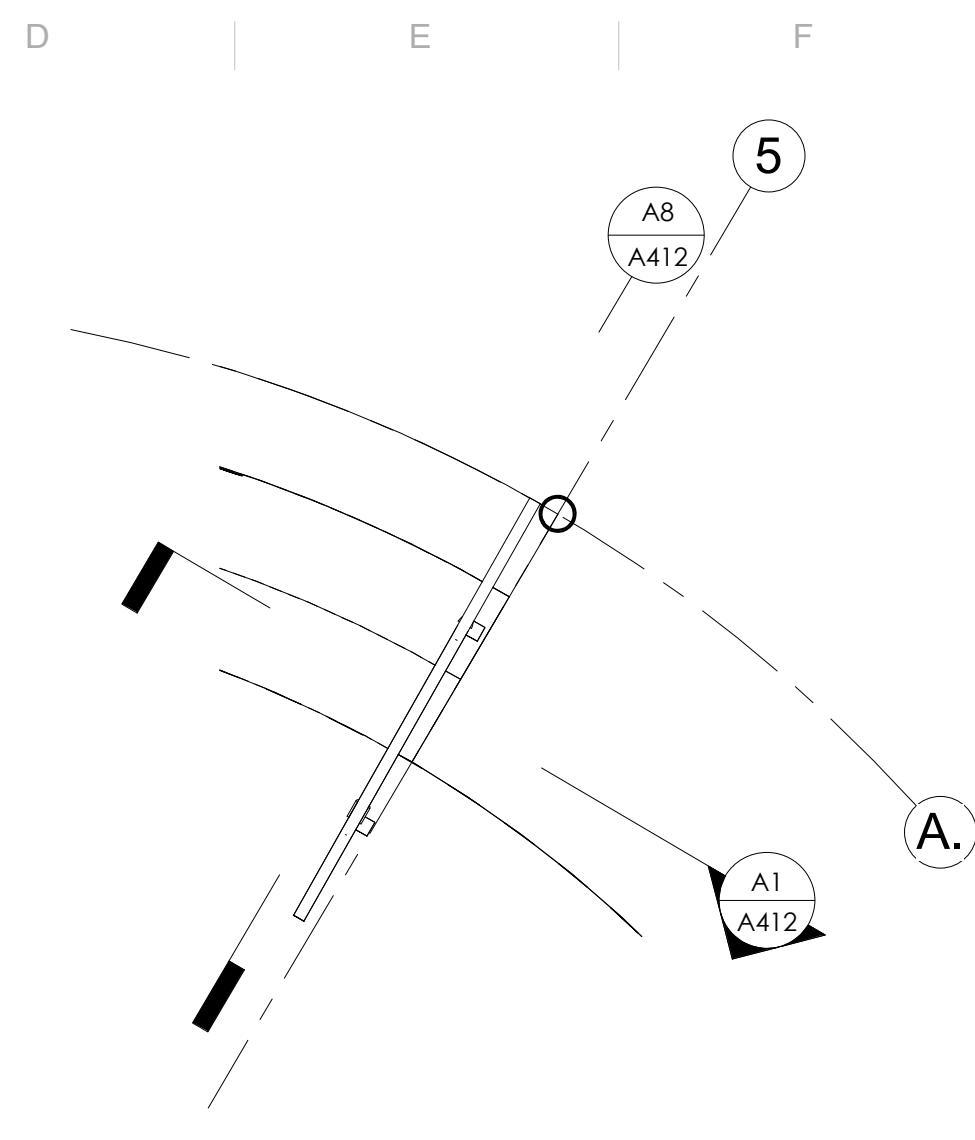
REVISION INFORMATION

REV.	DATE	DESCRIPTION
0	05/21/2024	ISSUED FOR BID

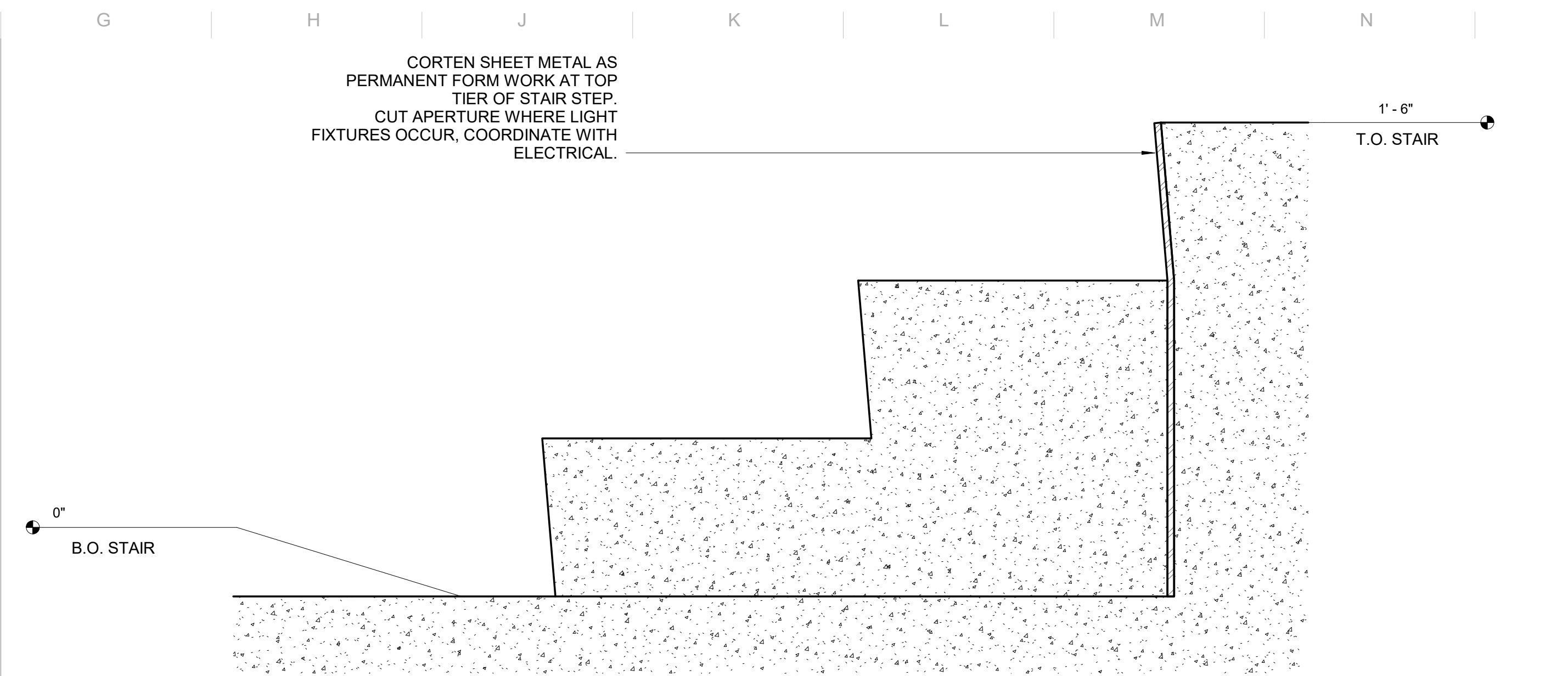
A411
PROJ. NO. 2303



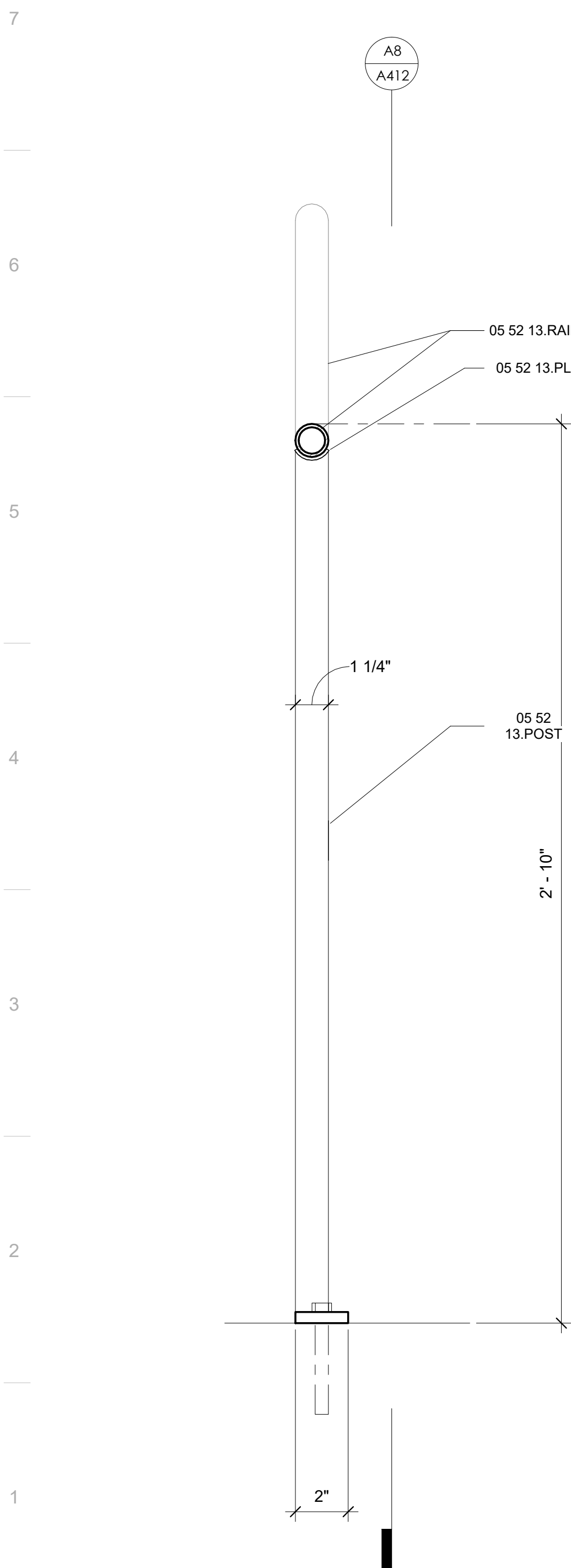
A8 SECTION AT STAIR



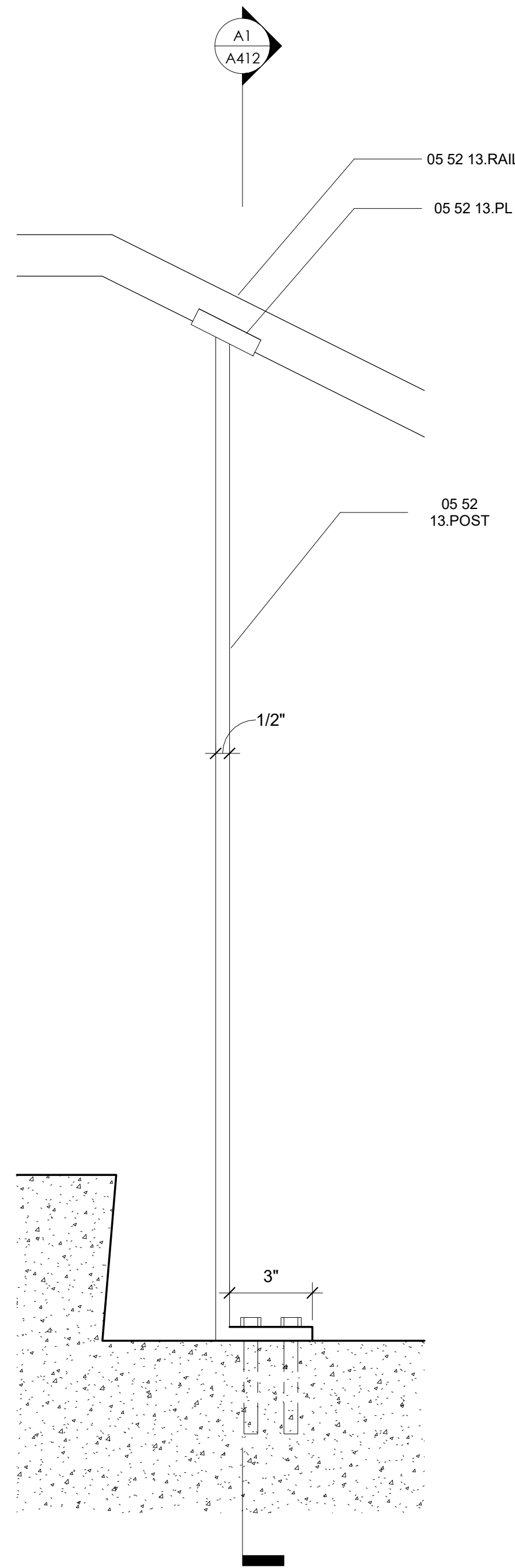
D8 PAVILION BACK STAIR HANDRAIL



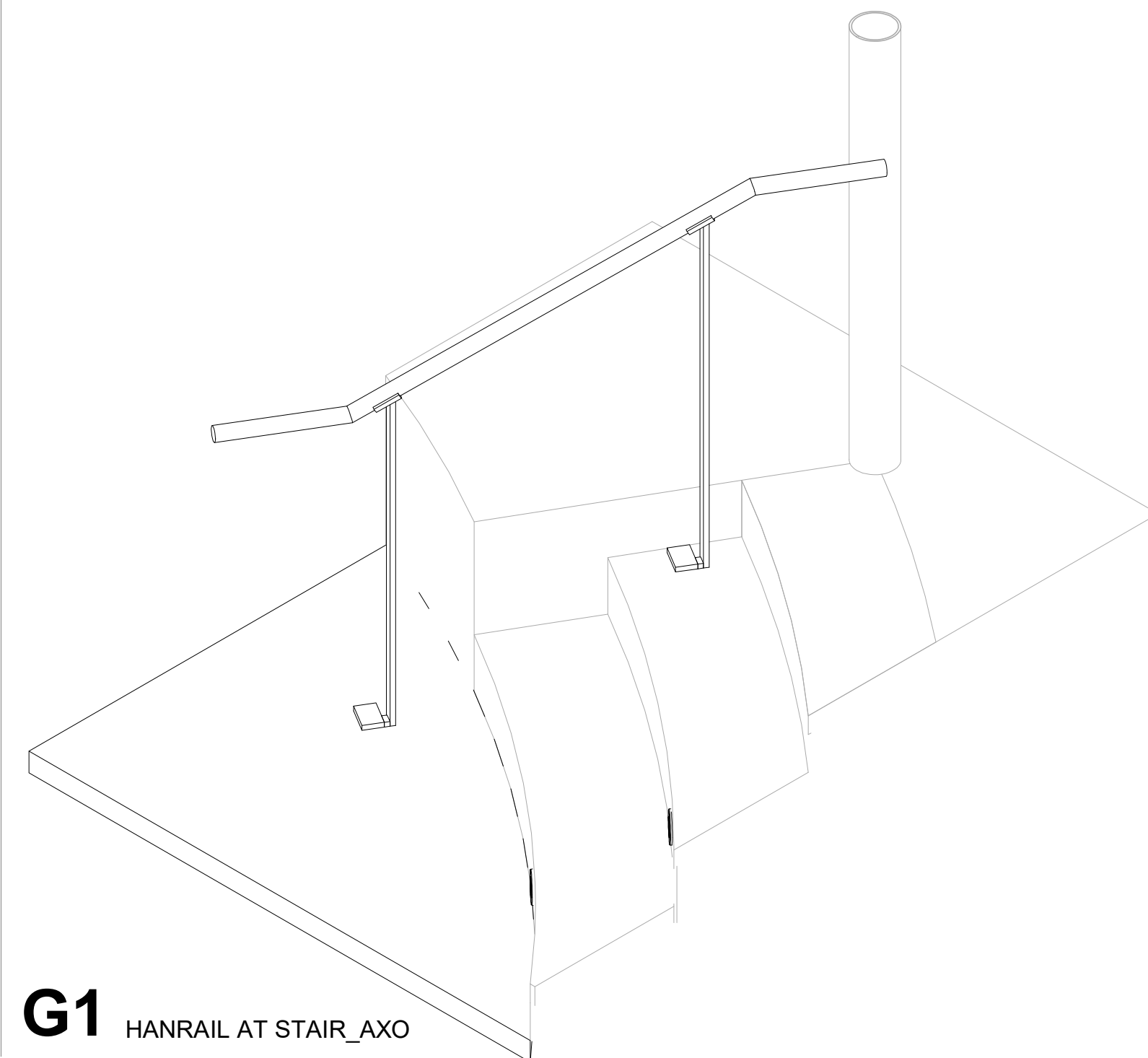
G8 FRONT STAIR SECTION



A1 HANRAIL AT STAIR - CROSS SECTION DETAIL



D1 HANRAIL AT STAIR - SECTION DETAIL



G1 HANRAIL AT STAIR_AXO

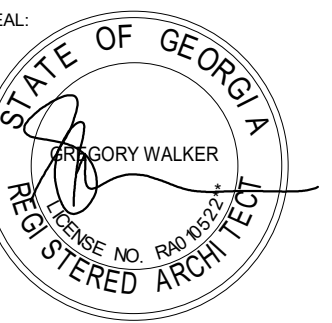
MATERIAL KEYNOTES

GENERAL NOTES

SHEET-SPECIFIC NOTES

BARGE
DESIGN SOLUTIONS

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PHONE: (770) 850-1177 FAX: (770) 850-0683



HOUSER WALKER
ARCHITECTURE

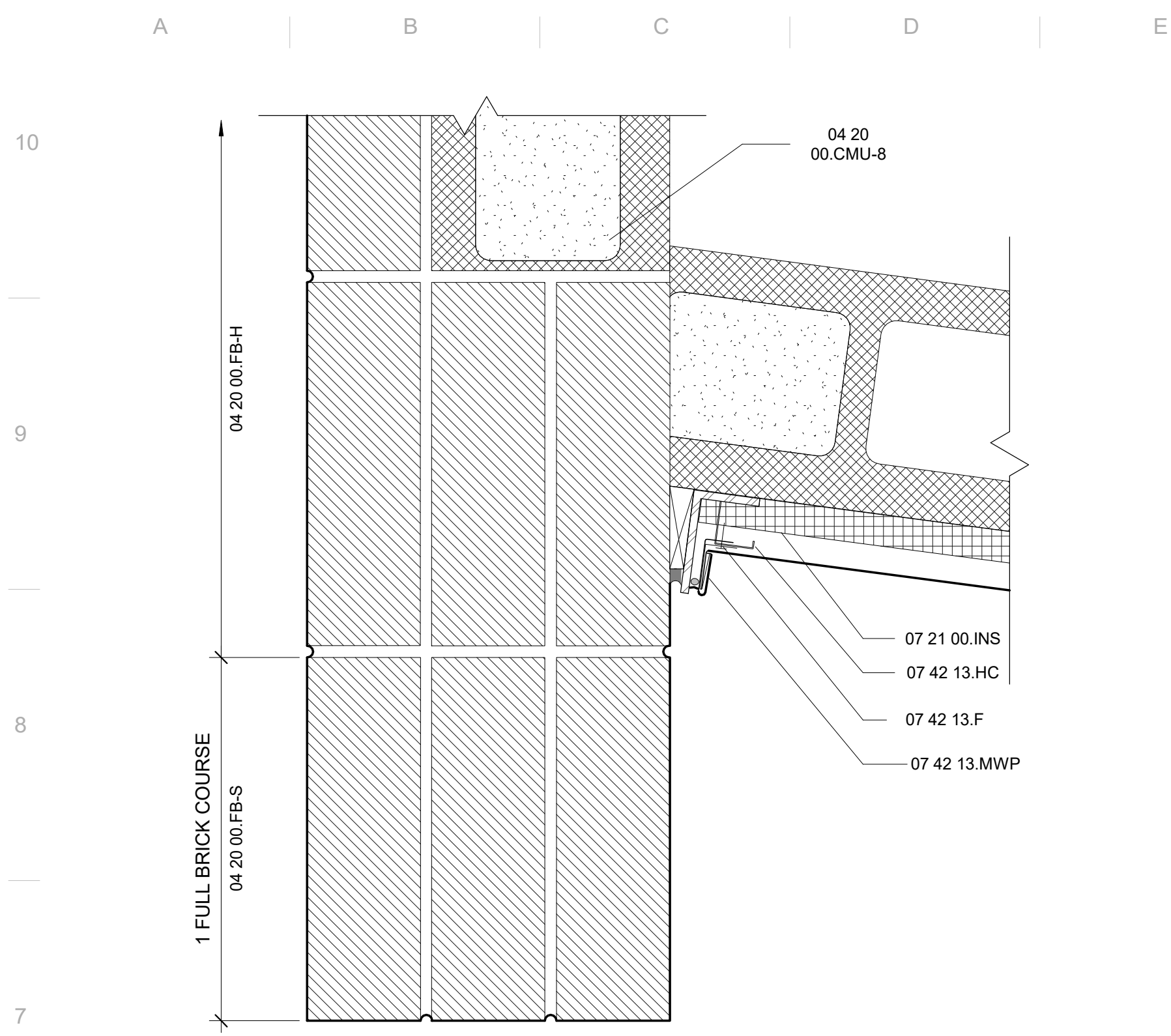
STAIR PLAN, SECTION, DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

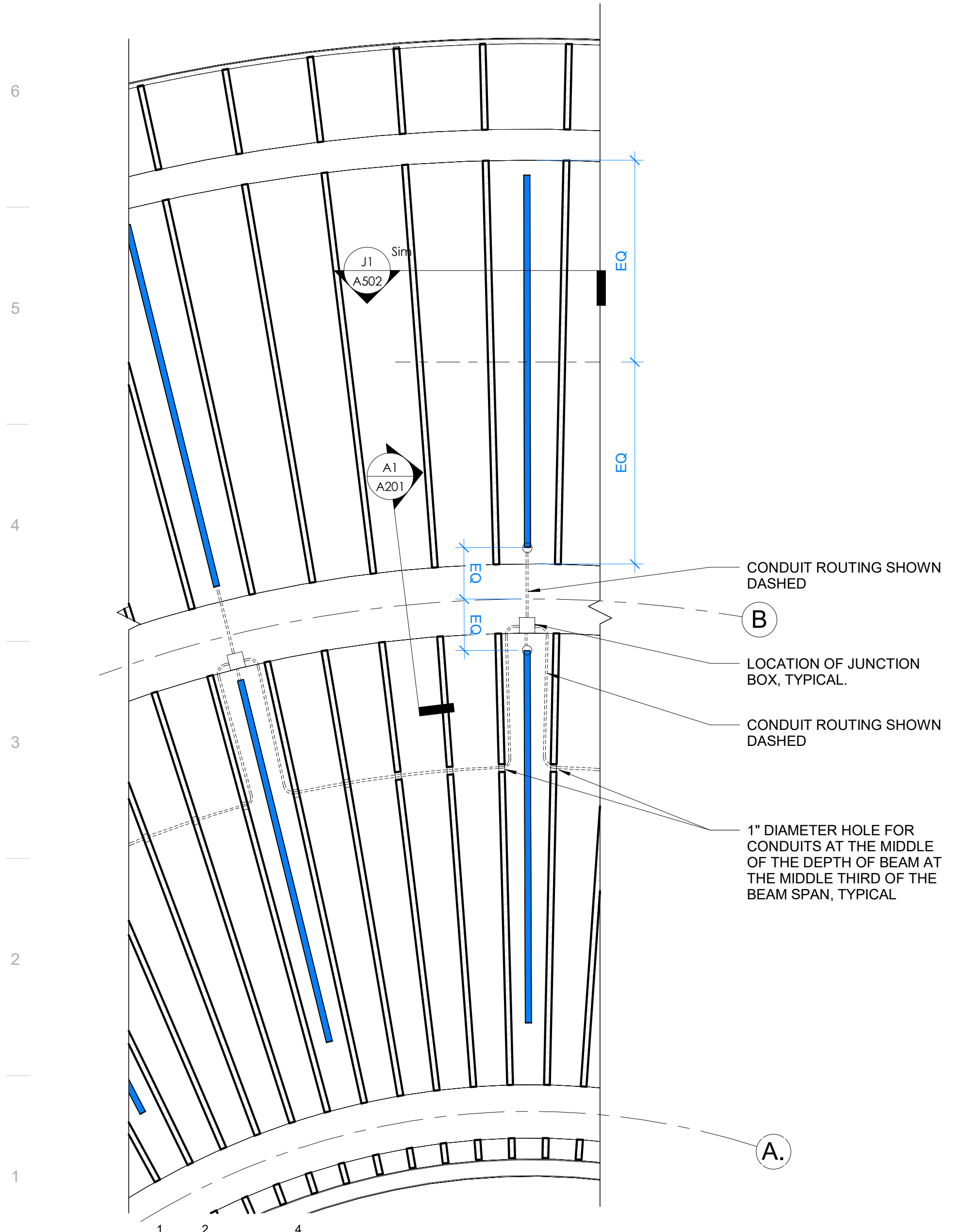
REVISION INFORMATION	REV.	DATE	DESCRIPTION
	0	05/21/2024	ISSUED FOR BID

A412

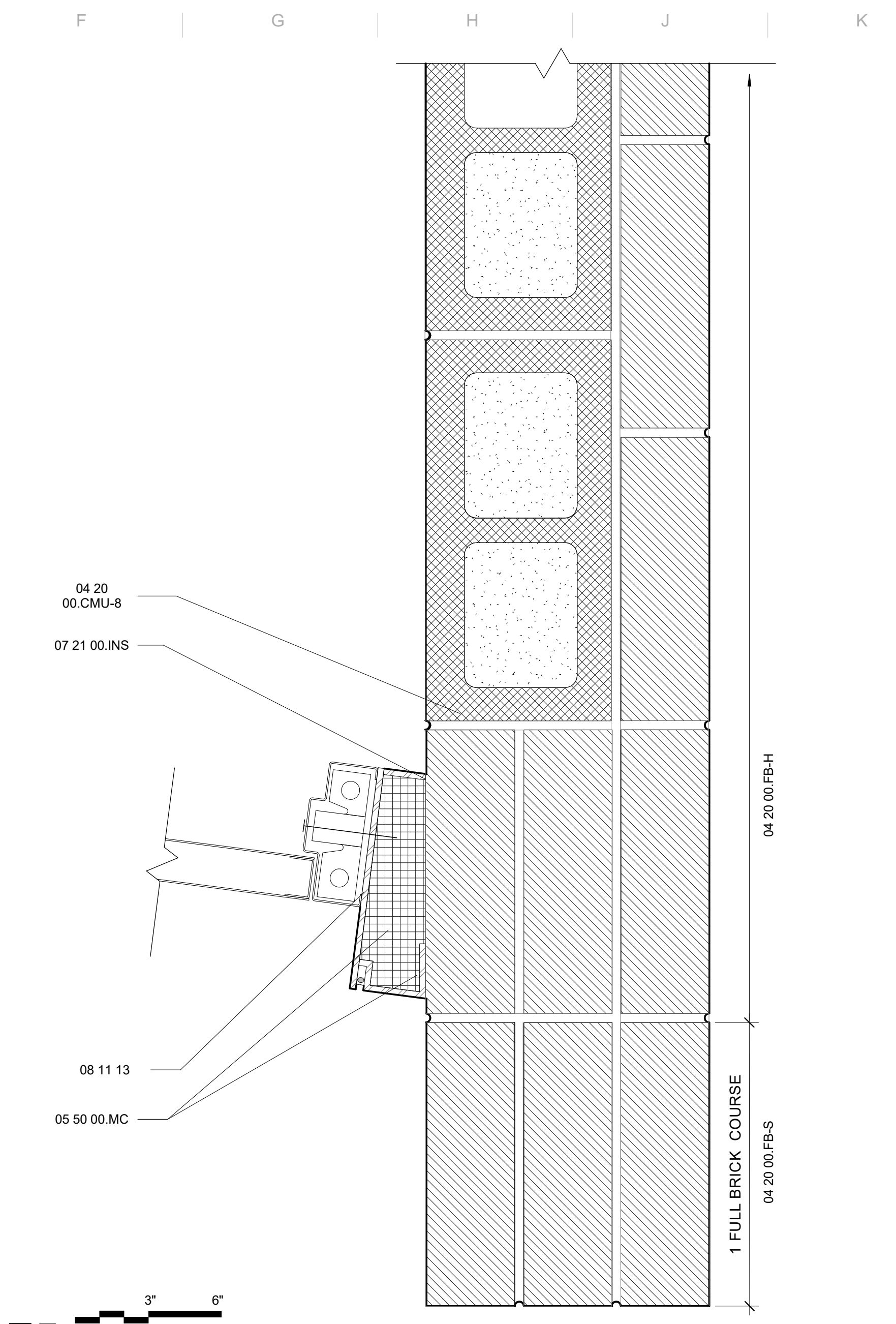
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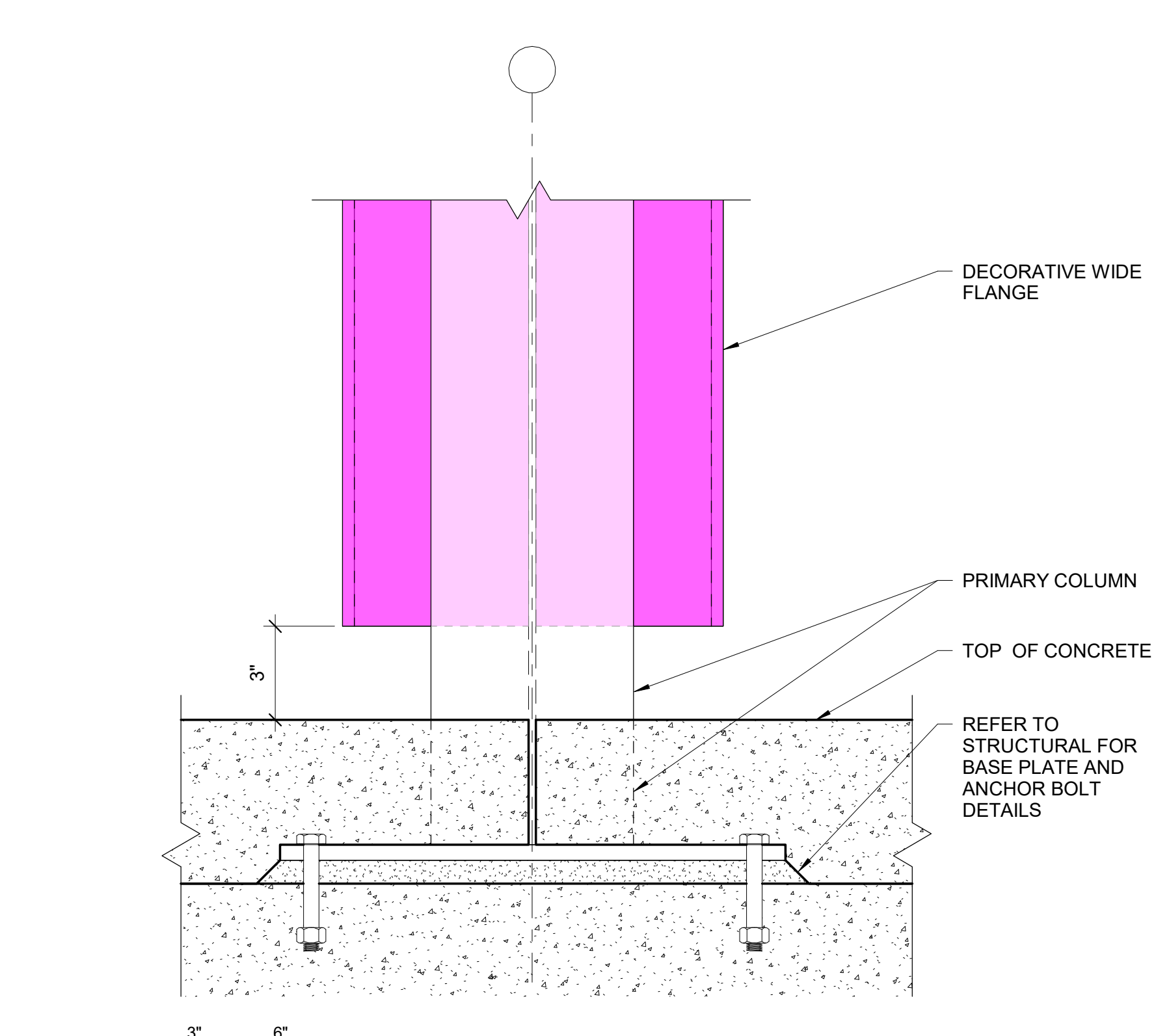
A7 METAL PANEL AT STORAGE



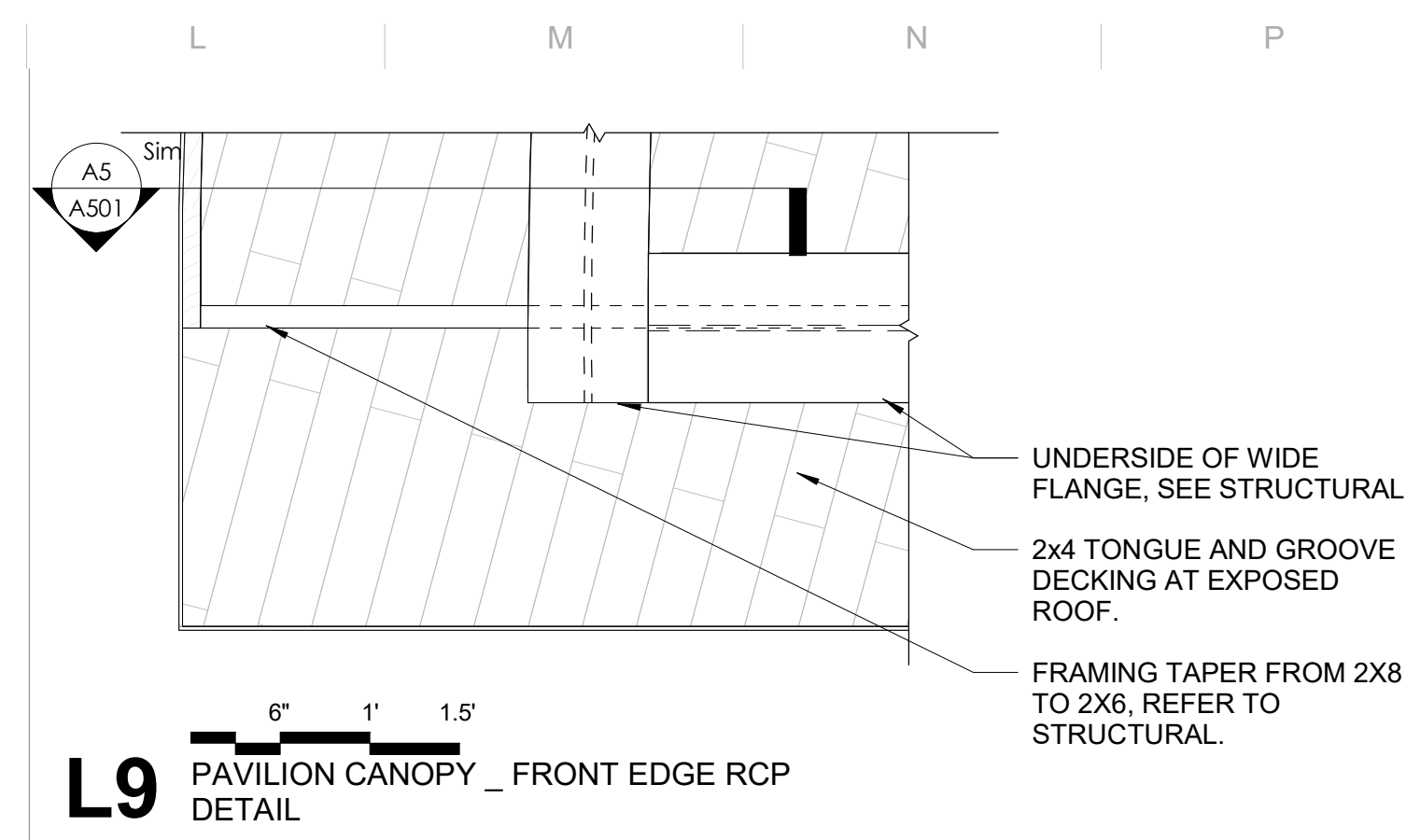
A1 TYPICAL LINEAR LIGHTING LAYOUT



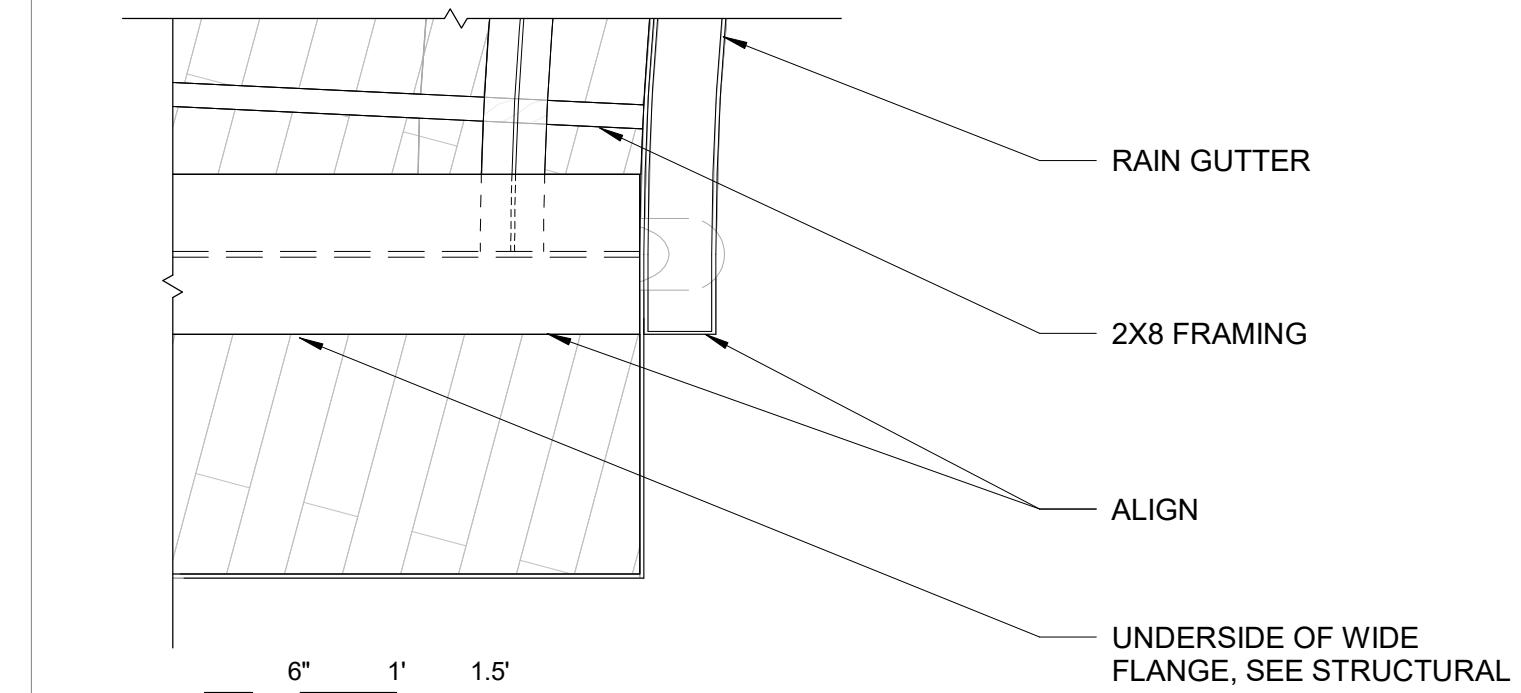
F5 JAMB DETAIL AT STORAGE



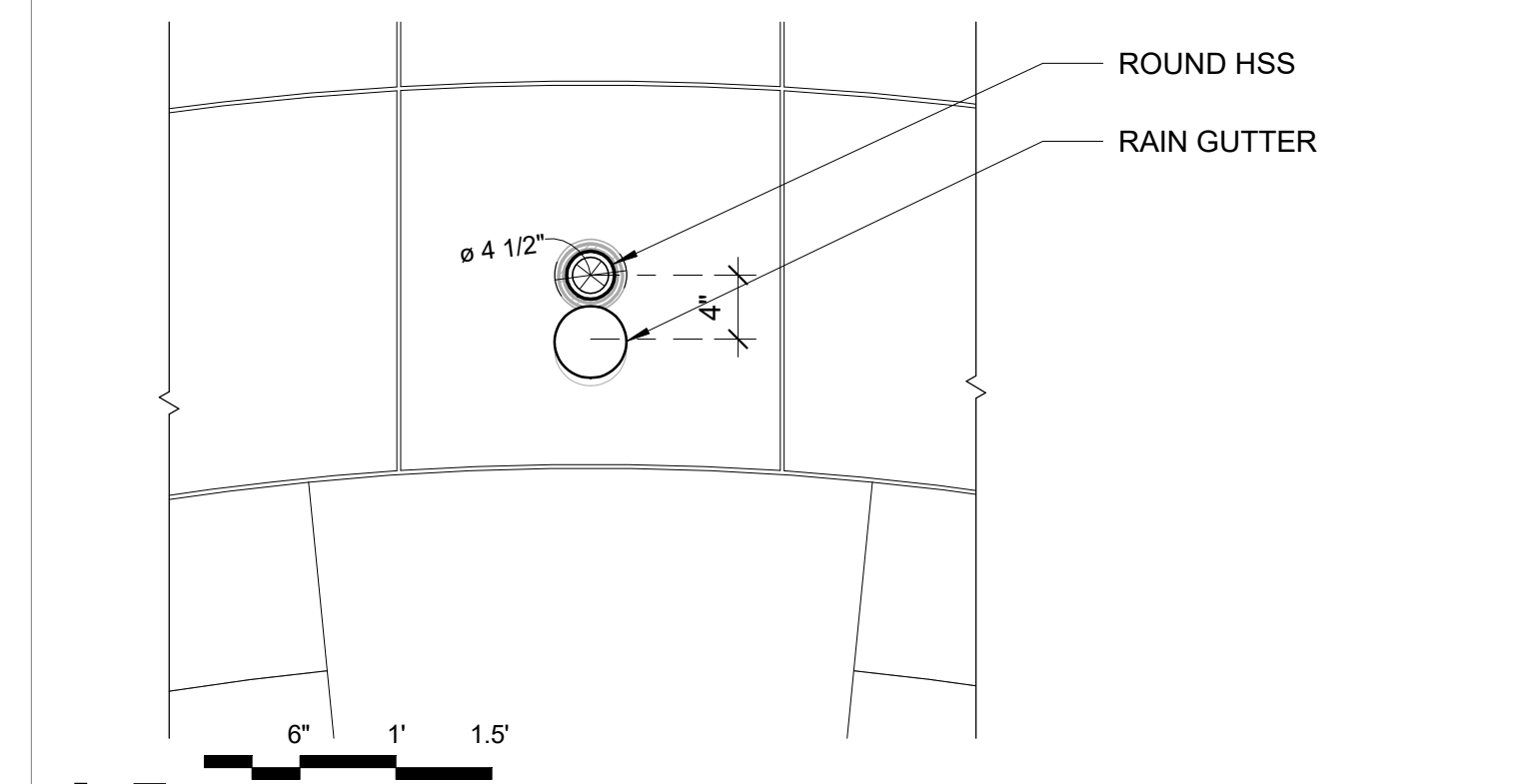
F1 PAVILION COLUMN ELEVATION DETAIL



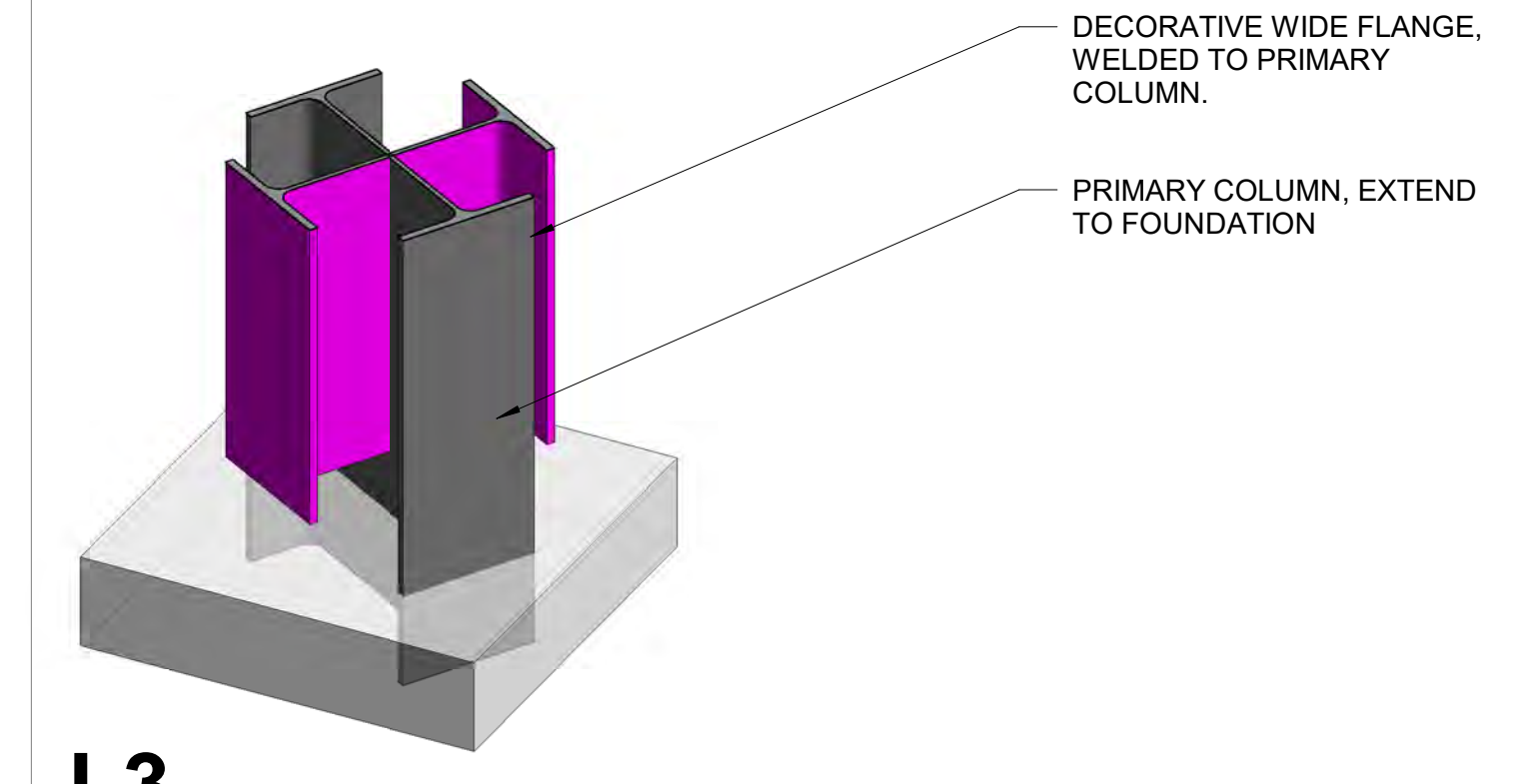
L9 PAVILION CANOPY _ FRONT EDGE RCP DETAIL



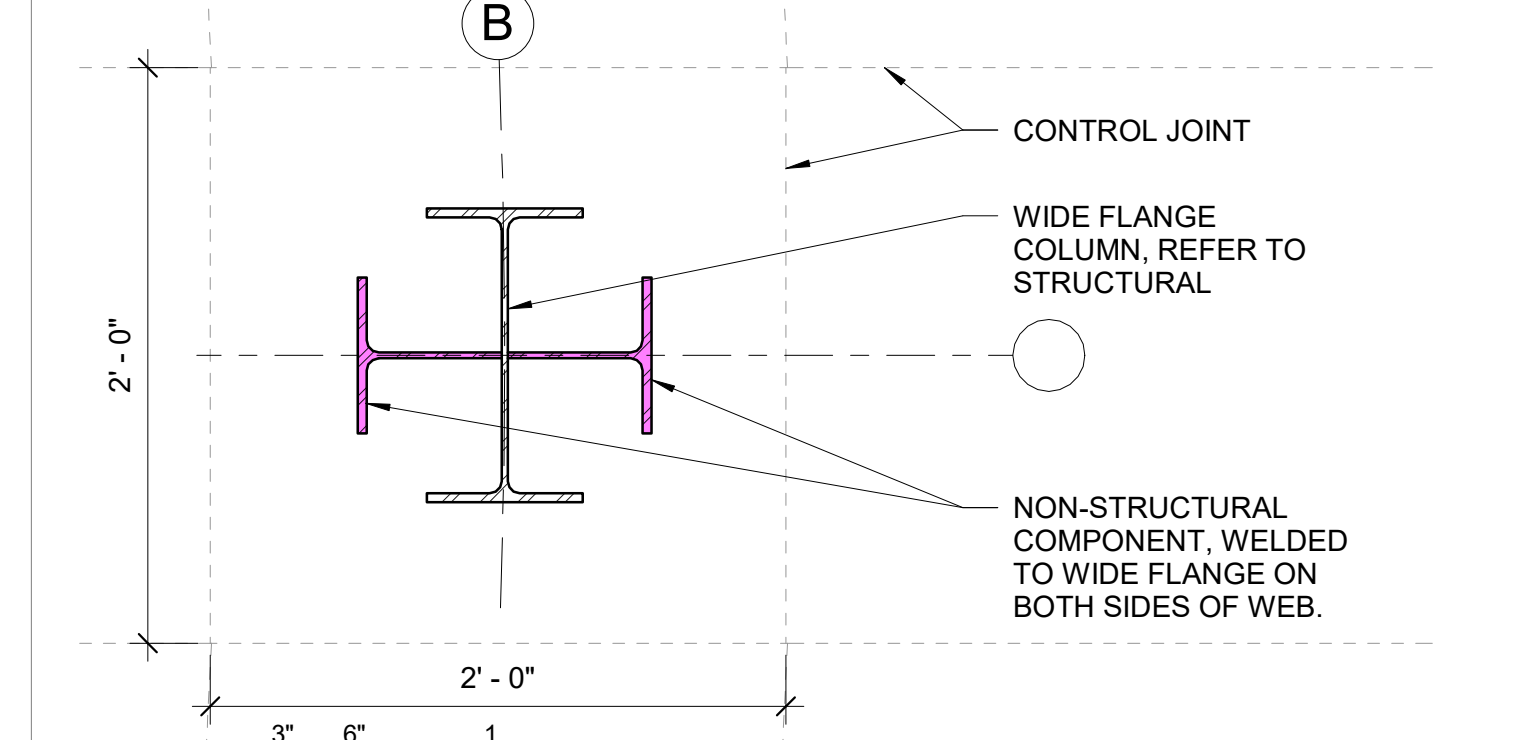
L7 PAVILION CANOPY _ REAR EDGE RCP DETAIL



L5 PAVILION BACK COLUMN



L3 COLUMN DETAIL_A XO



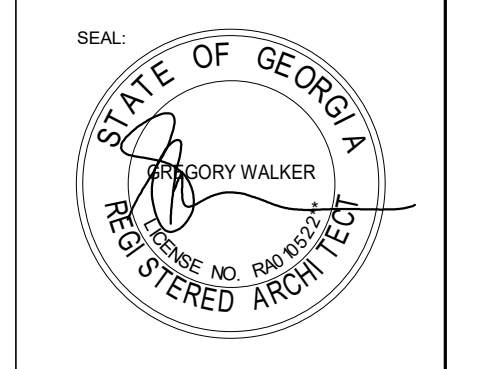
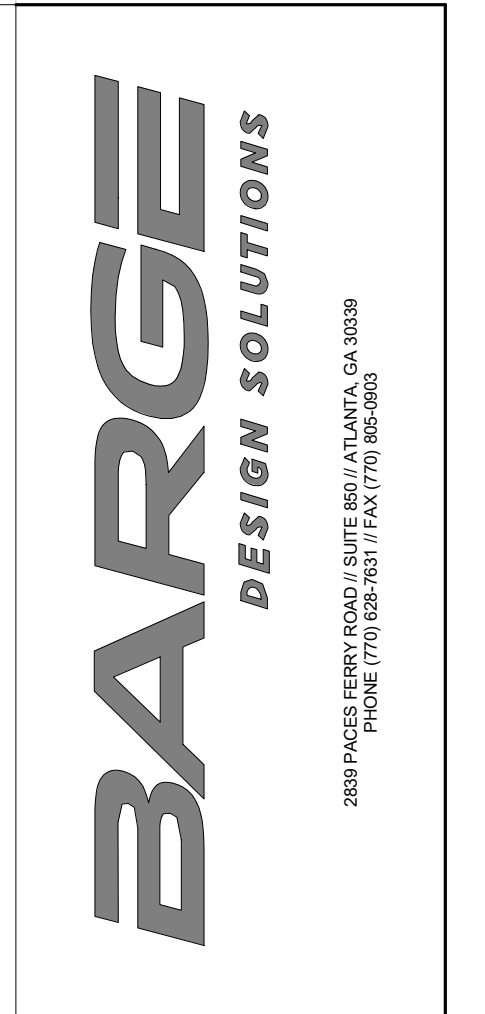
L1 PAVILION COLUMN PLAN DETAIL

MATERIAL KEYNOTES

04 20 00.CMU-8	8" CONCRETE BLOCK
04 20 00.FB-H	FACING BRICK, HOLLOW
04 20 00.FB-S	FACING BRICK, SOLID
05 50 00.MC	METAL CLOSURE PANEL
07 21 00.INS	THERMAL INSULATION
07 42 13.F	FASTENER
07 42 13.HC	3/8" HAT CHANNEL
07 42 13.MWP	METAL WALL PANEL
08 11 13	HOLLOW METAL DOORS AND FRAMES

GENERAL NOTES

SHEET-SPECIFIC NOTES



HOUSER WALKER ARCHITECTURE

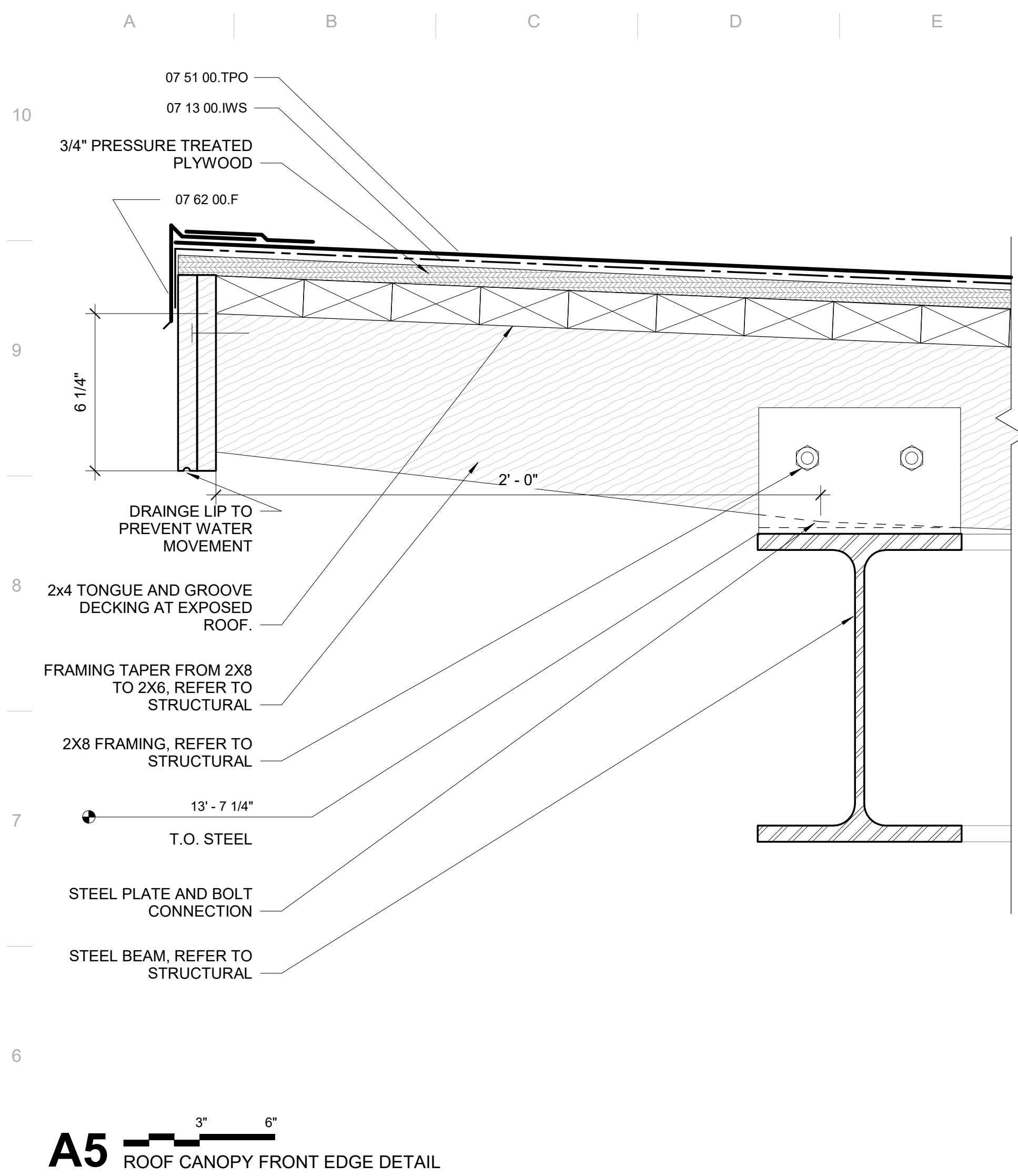
PAVILION WALL PLAN ND RCP DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

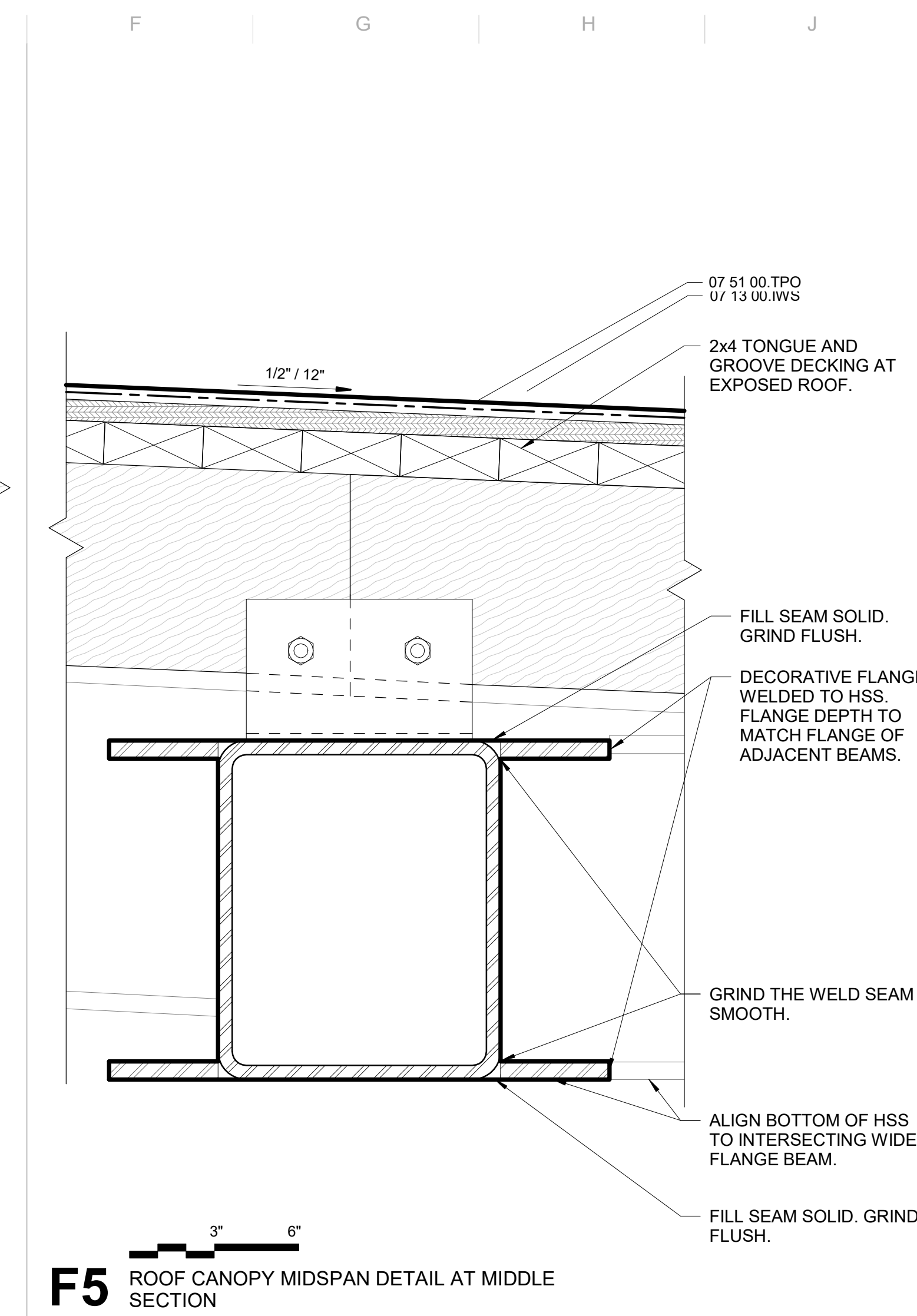
REVISION INFORMATION

REV.	DATE	DESCRIPTION
0	05/21/2024	ISSUED FOR BID

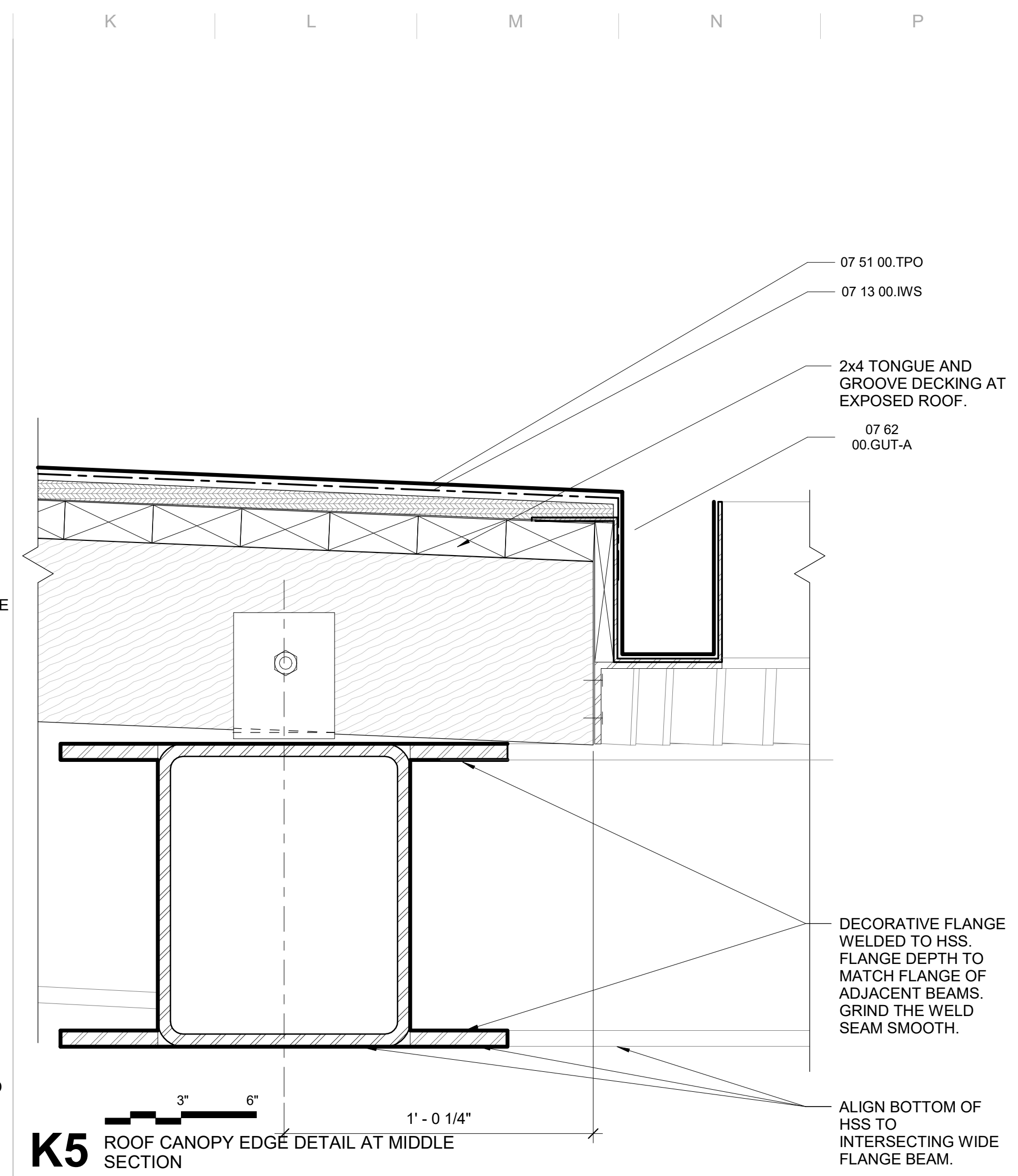
A500
PROJ. NO. 2303



A5 ROOF CANOPY FRONT EDGE DETAIL



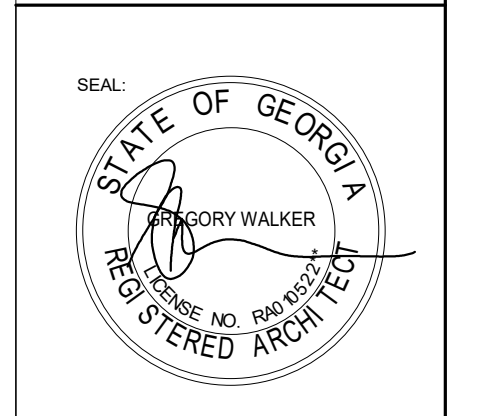
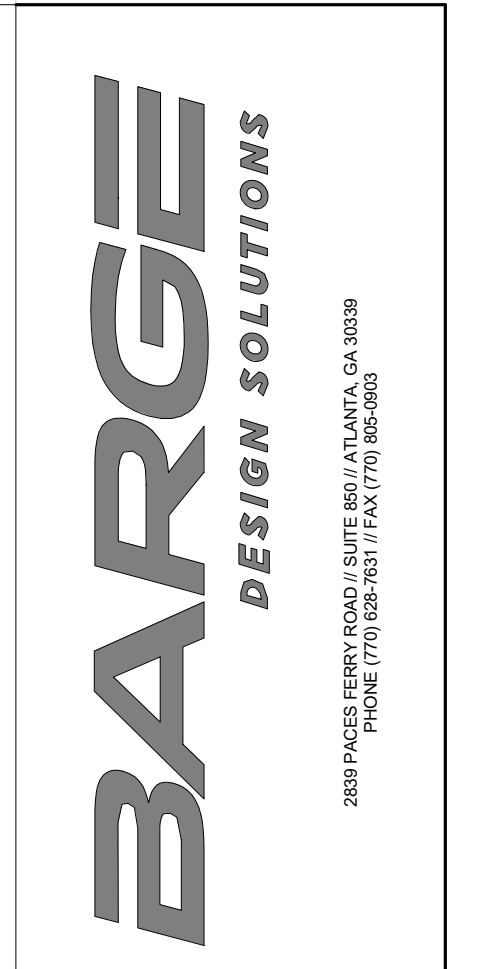
F5 ROOF CANOPY MIDSPAN DETAIL AT MIDDLE SECTION



K5 ROOF CANOPY EDGE DETAIL AT MIDDLE SECTION

MATERIAL KEYNOTES

07 13 00.IWS	ROOFING ICE AND WATER SHIELD
07 51 00.TPO	TPO ROOFING MEMBRANE
07 62 00.F	FASCIA TRIM
07 62 00.GUT-A	GUTTER TYPE A

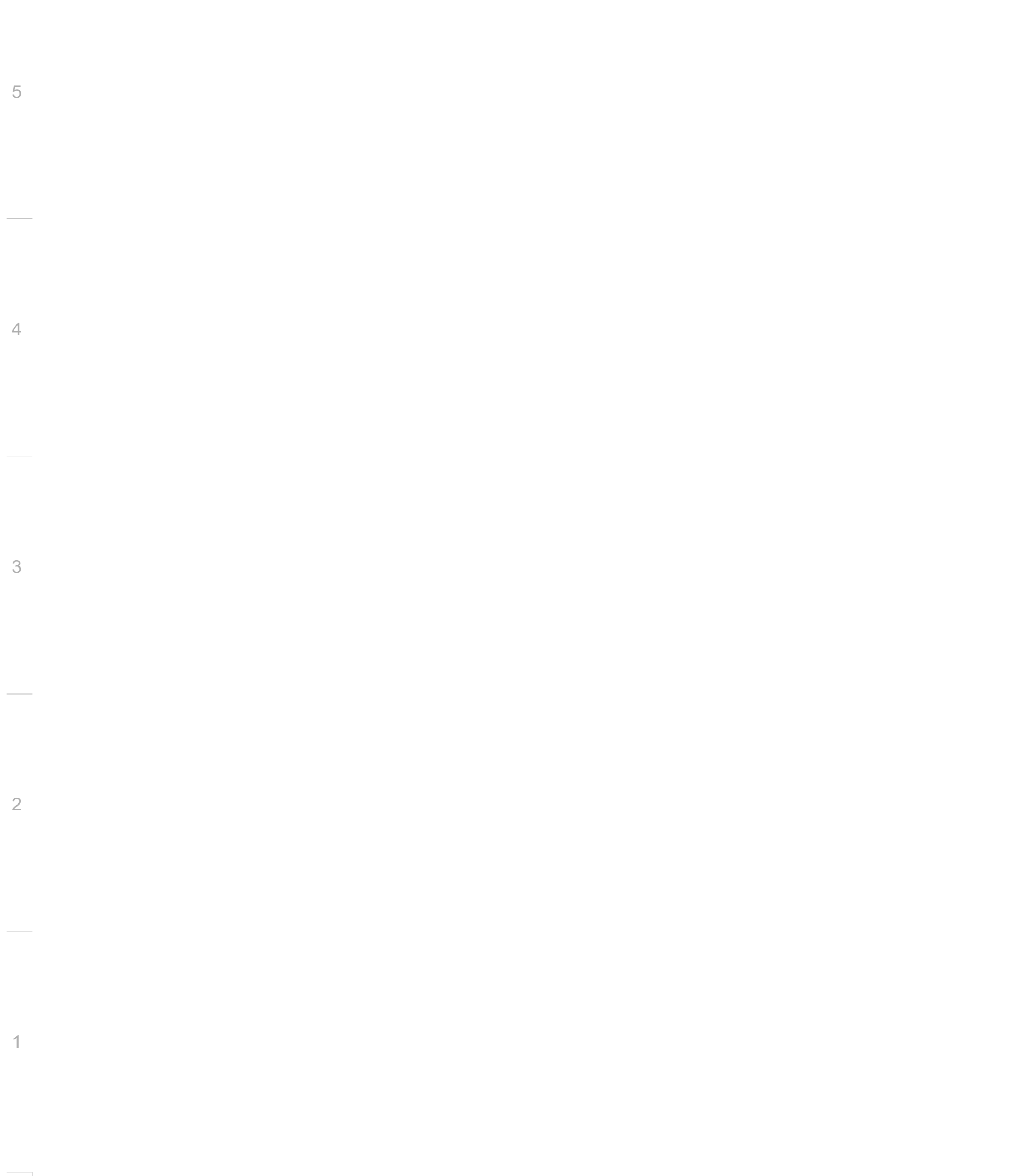


HOUSER WALKER
ARCHITECTURE

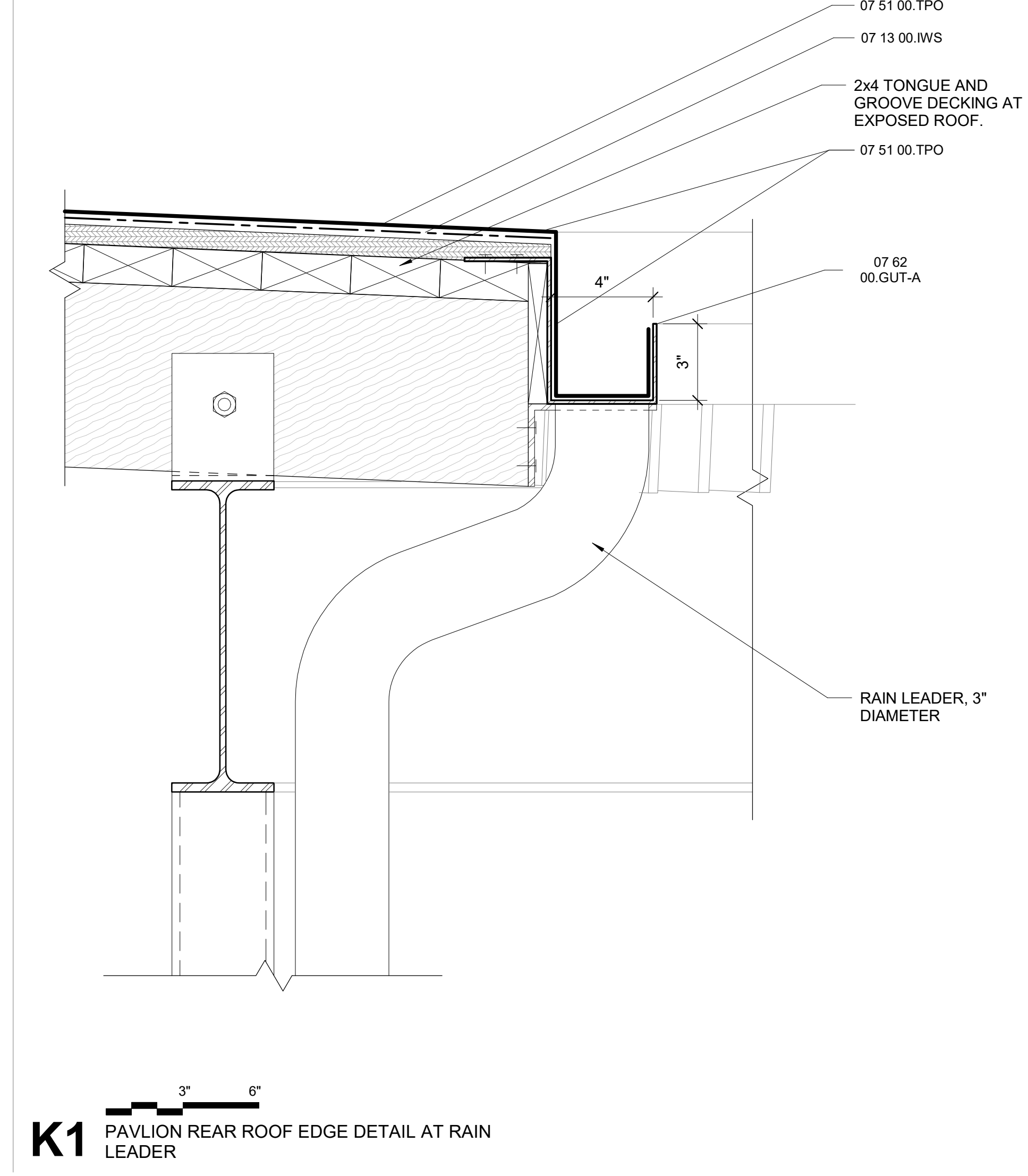
EXTERIOR WALL SECTION DETAILS AT PAVILION
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

GENERAL NOTES

SHEET-SPECIFIC NOTES



F1 PAVILION ROOF CANOPY MIDSPAN DETAIL TYPICAL



K1 PAVILION REAR ROOF EDGE DETAIL AT RAIN LEADER

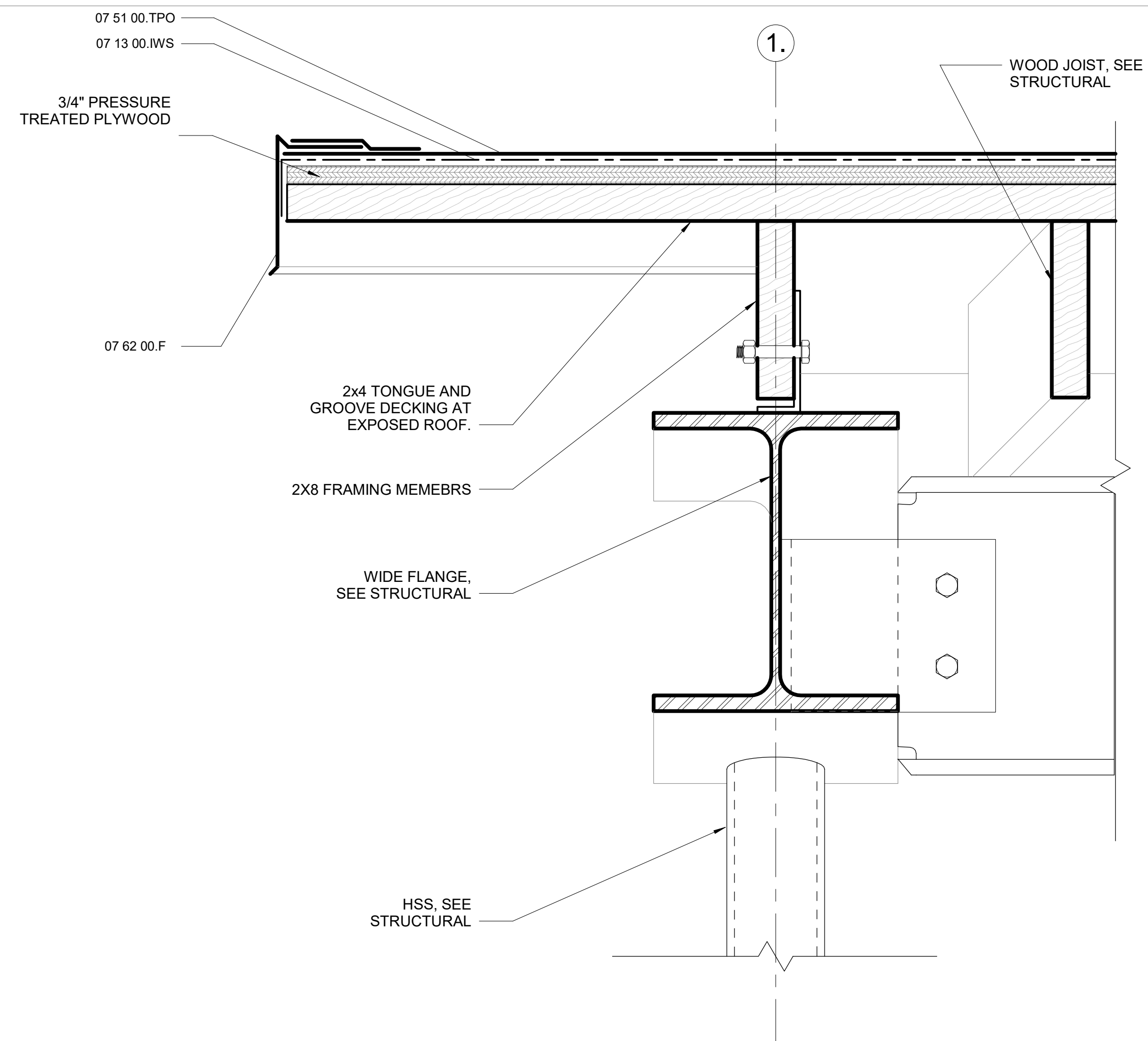
REVISION INFORMATION

REV.	DATE	DESCRIPTION
0	05/21/2024	ISSUED FOR BID

A501
PROJ. NO. 2303

A | B | C | D | E | F | G | H

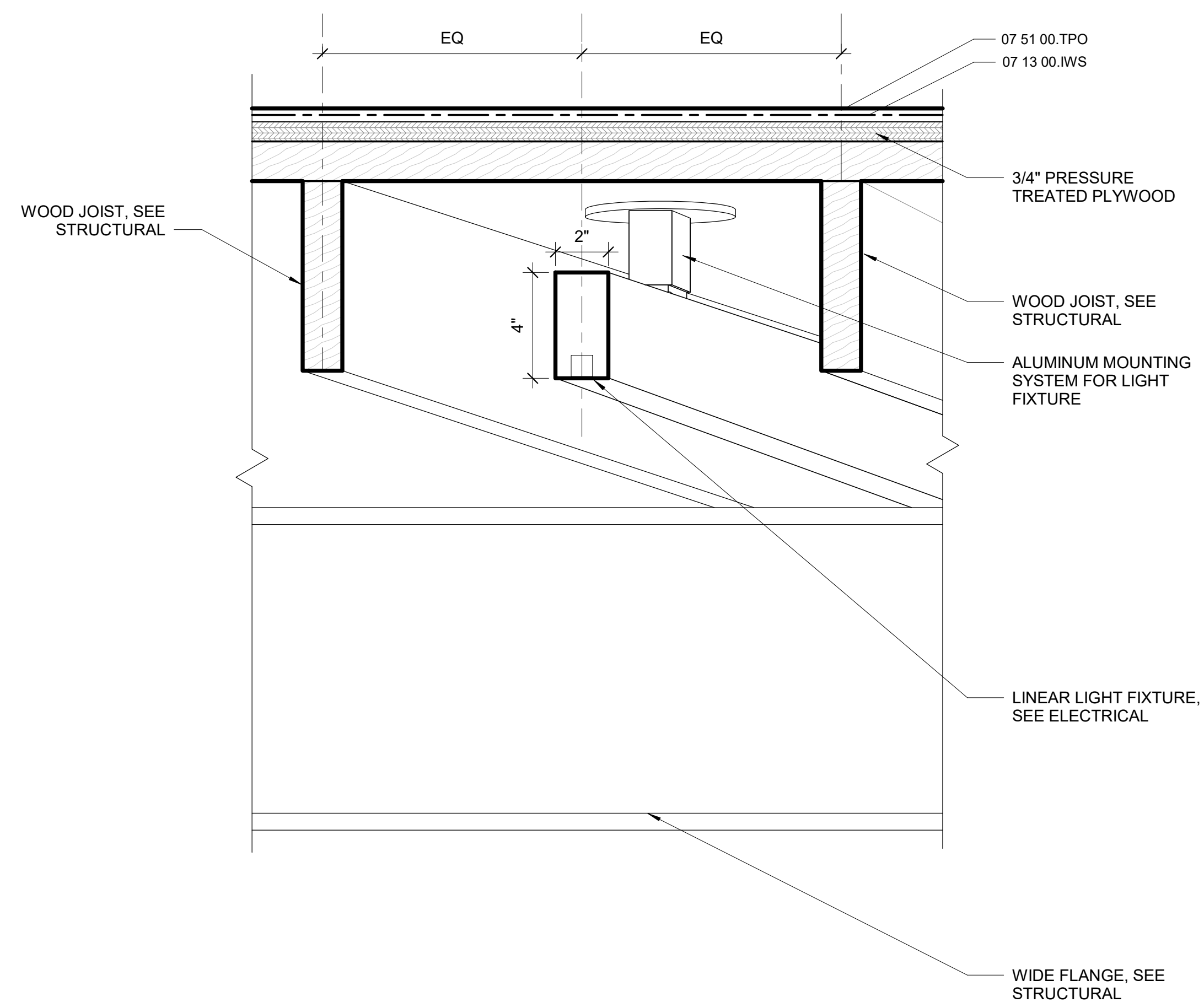
10
9
8
7
6



A1 PAVILION SIDE ROOF EDGE DETAIL

J | K | L | M | N | P | Q

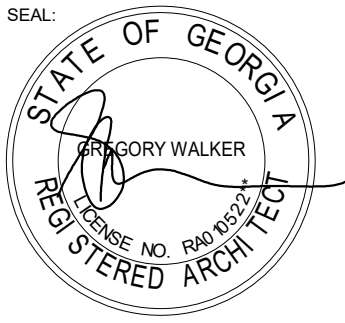
5
4
3
2
1



J1 PAVILION LIGHT FIXTURE MOUNTING DETAIL

MATERIAL KEYNOTES

BARGE DESIGN SOLUTIONS
2839 PACER FERRY ROAD // SUITE 507 // ATLANTA, GA 30339
PHONE: (770) 585-1177 // FAX: (770) 585-0683

SEAL: 

HOUSER WALKER ARCHITECTURE

EXTERIOR WALL SECTION DETAILS AT PAVILION
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

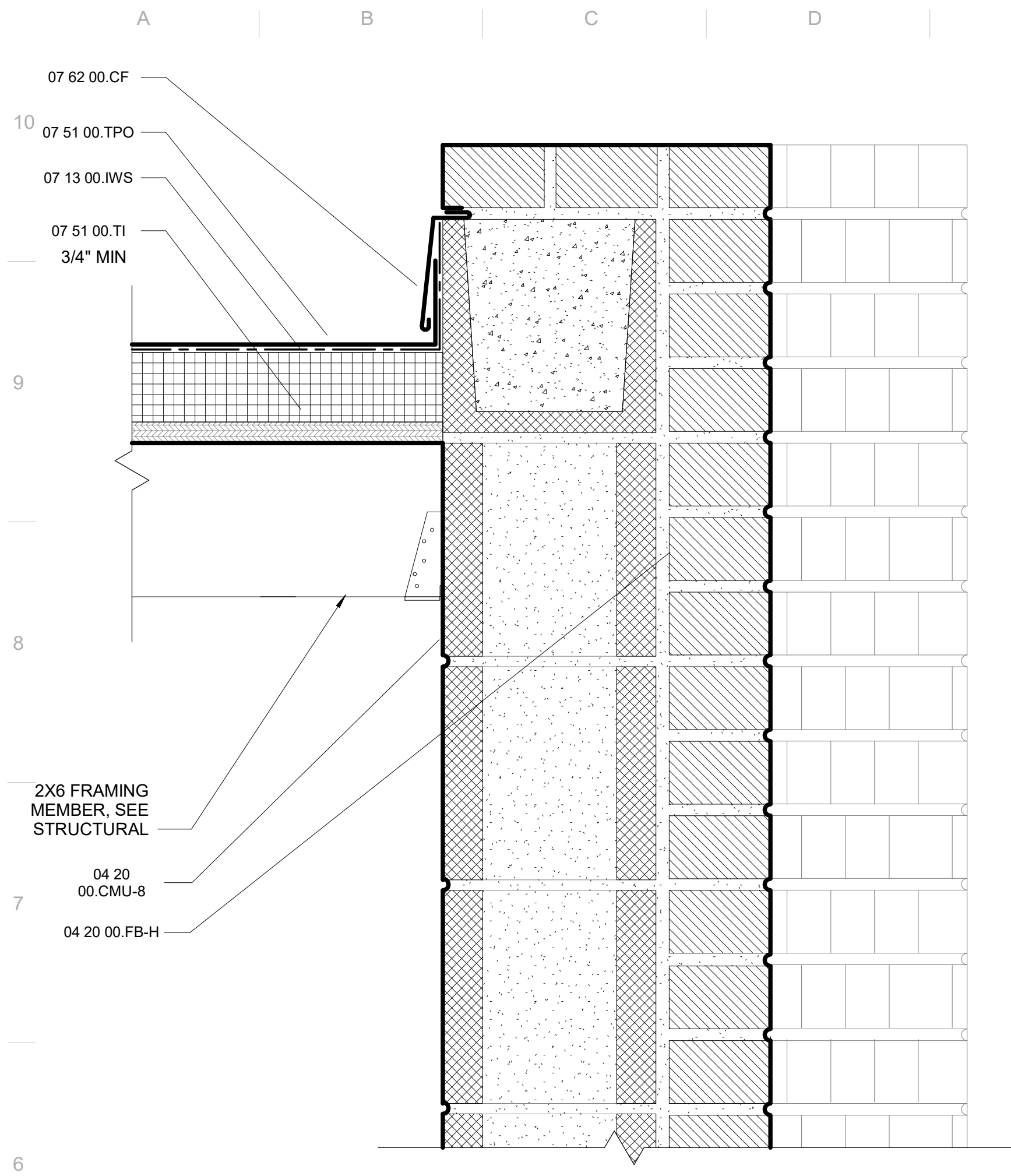
GENERAL NOTES

SHEET-SPECIFIC NOTES

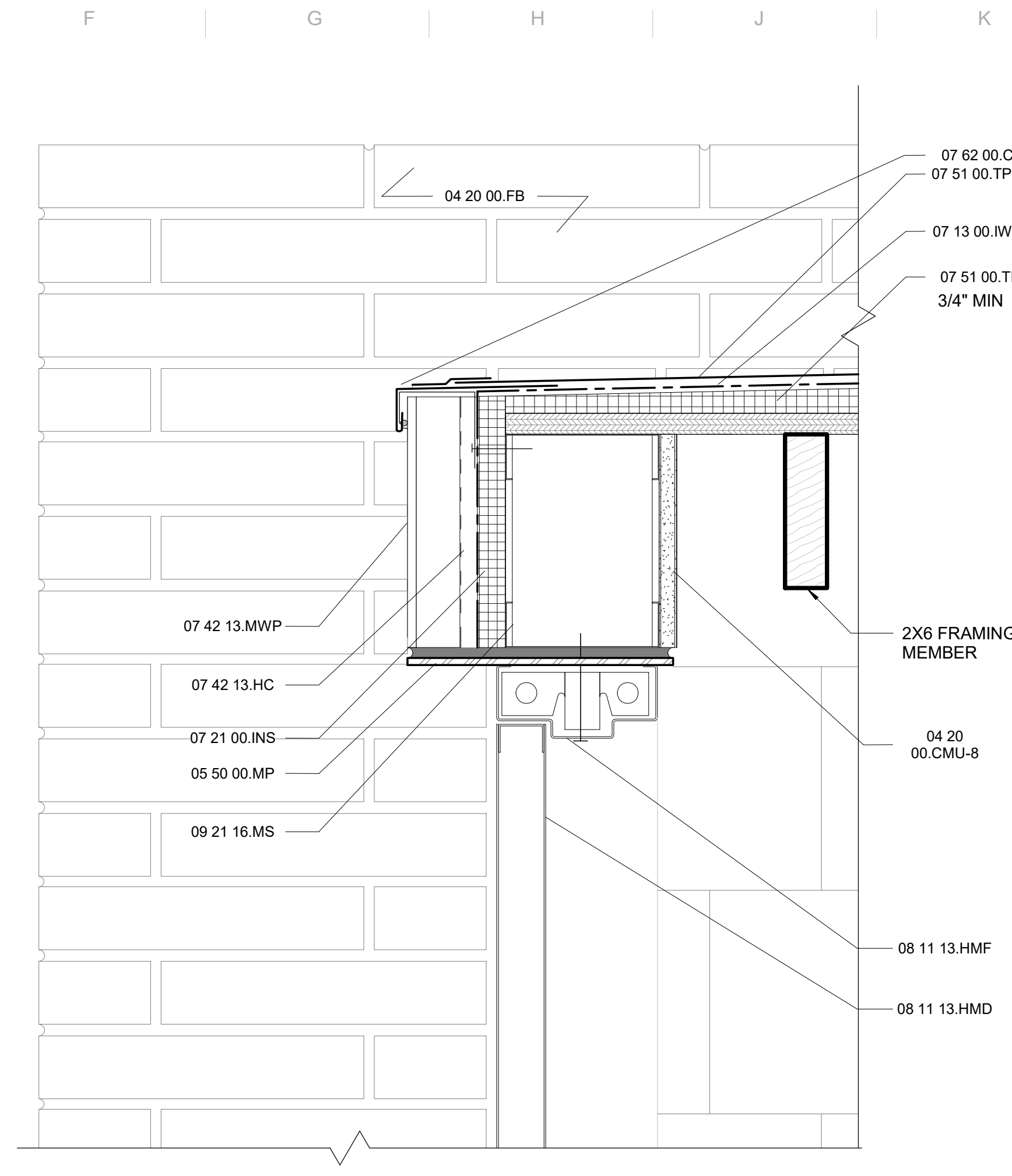
REVISION INFORMATION

REV.	DATE	DESCRIPTION
0	05/21/2024	ISSUED FOR BID

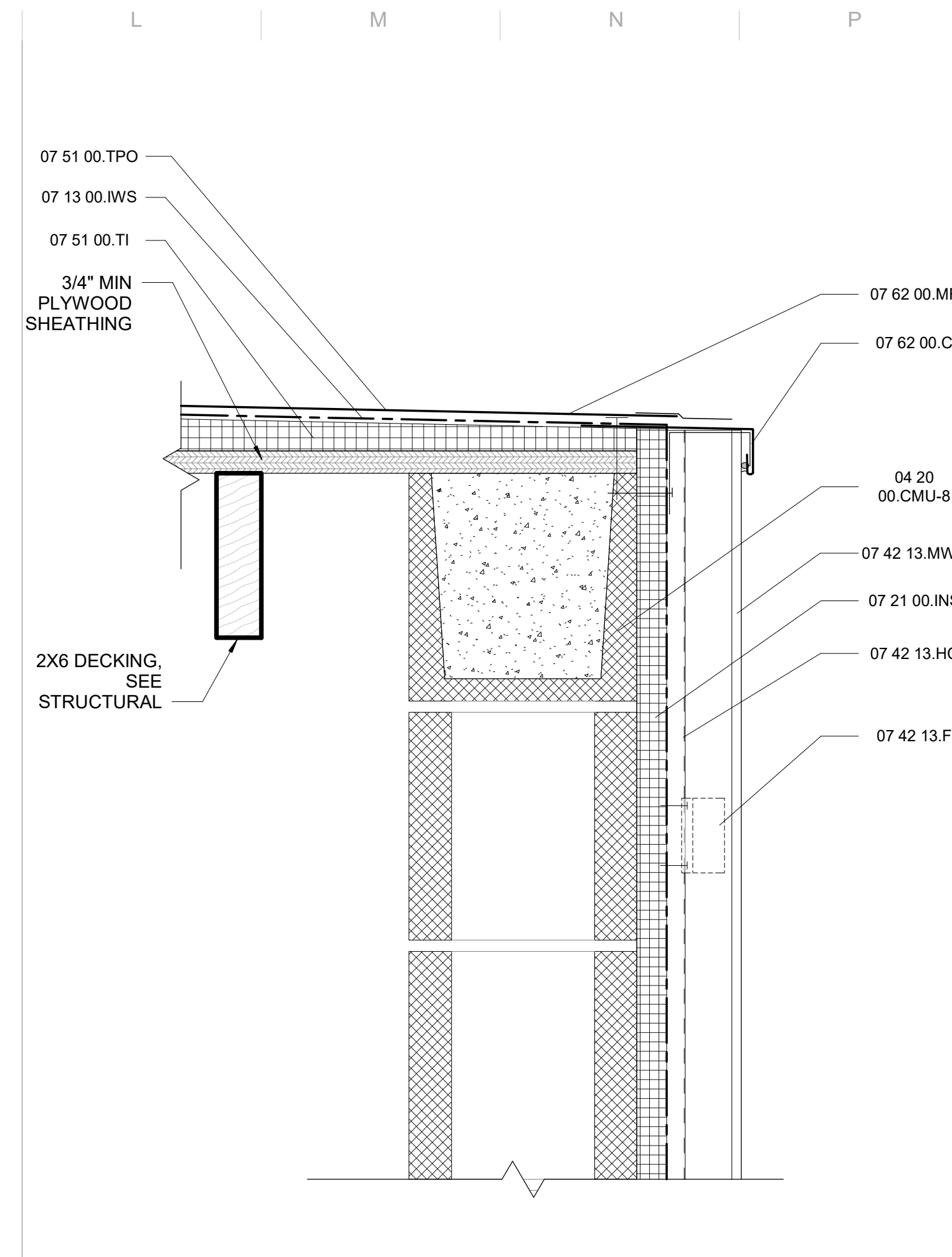
A502
PROJ. NO. 2303



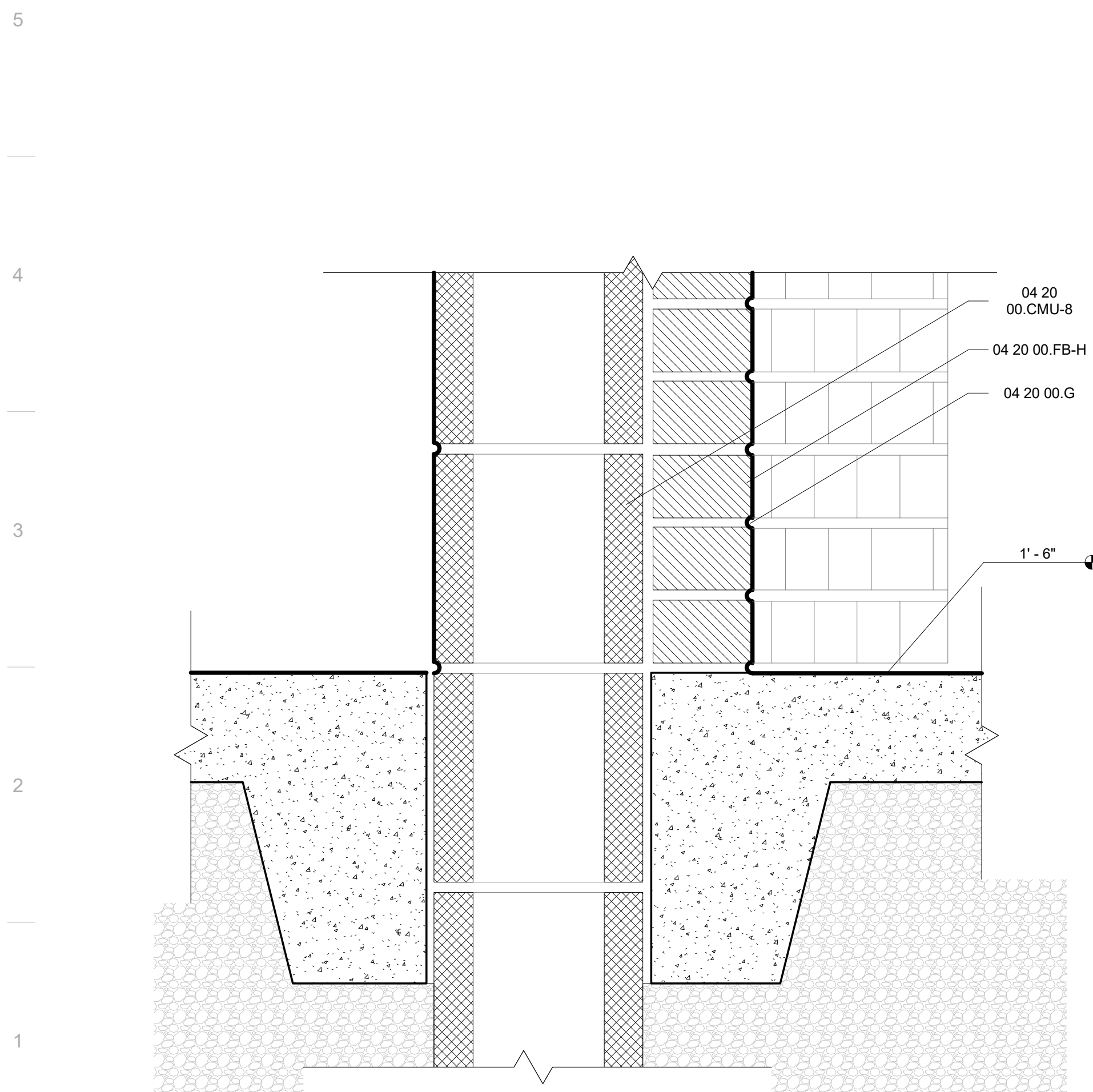
A6 PAVILION STORAGE ROOF



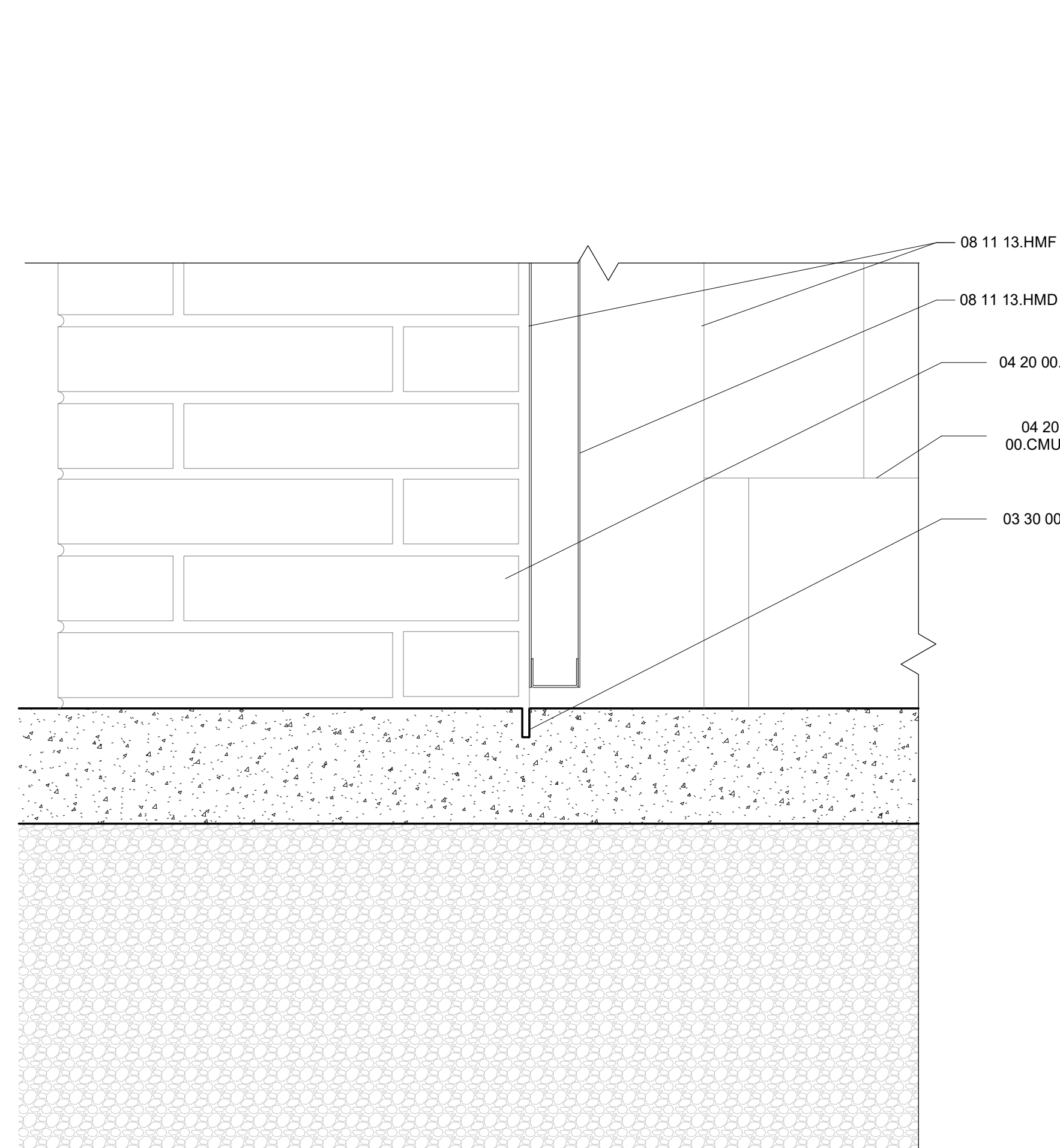
F6 PAVILION STORAGE ROOF AT DOOR



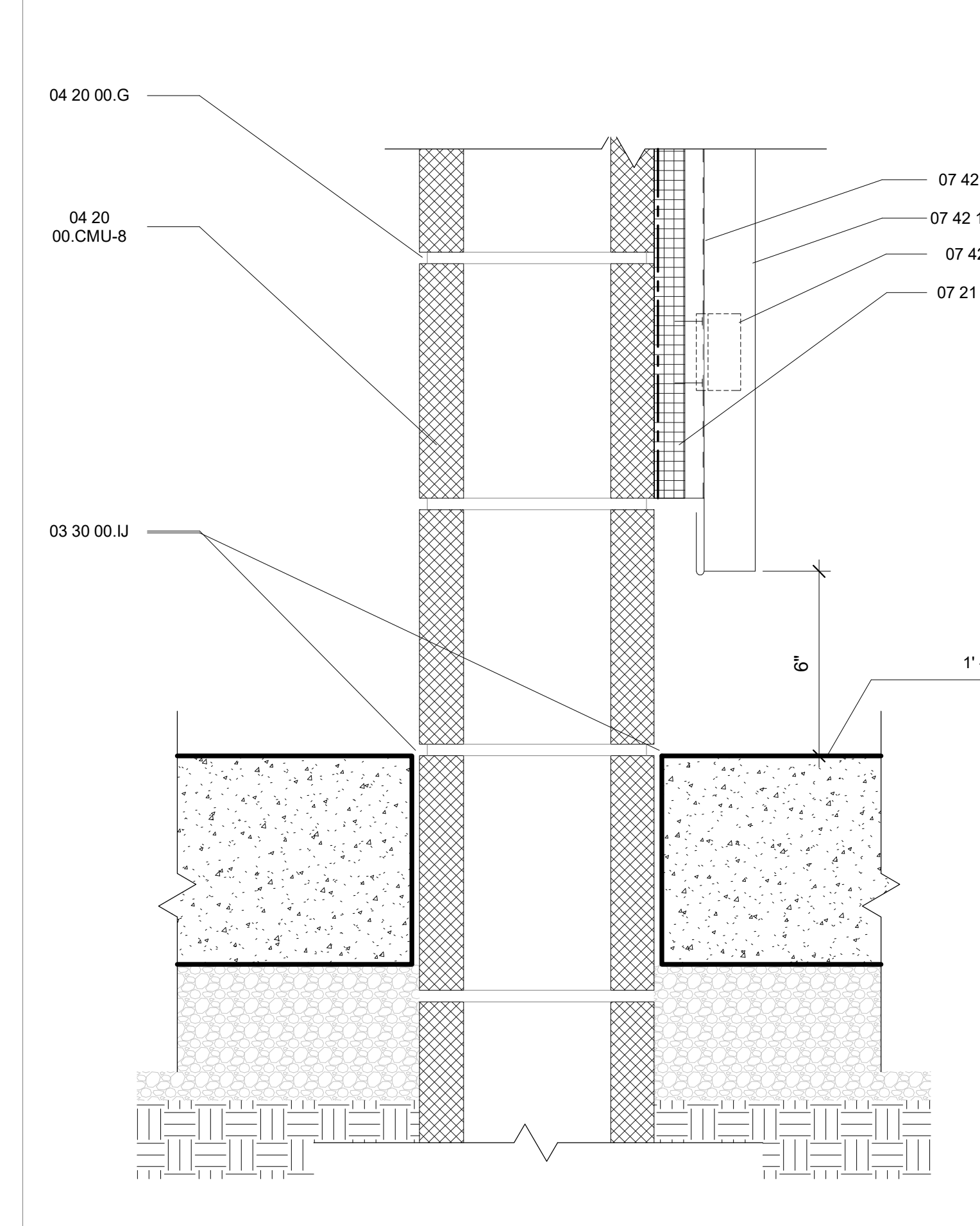
K6 PAVILION STORAGE ROOF AT METAL PANEL



A1 PAVILION STORAGE WALL AT SLAB



F1 SECTION THRU STORAGE - Callout 1



K1 PAVILION STORAGE BASE DETAIL

MATERIAL KEYNOTES

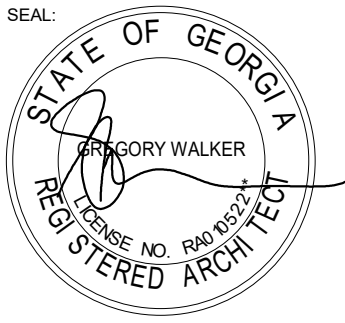
- 03 30 00.IJ ISOLATION JOINT
- 04 20 00.CMU-8 8" CONCRETE BLOCK
- 04 20 00.FB FACING BRICK
- 04 20 00.FB-H FACING BRICK, HOLLOW
- 04 20 00.G GROUT
- 05 50 00.MP METAL PLATE
- 07 13 00.IWS ROOFING ICE AND WATER SHIELD
- 07 21 00.IWS THERMAL INSULATION
- 07 42 13.F FASTENER
- 07 42 13.HC 3/8" HAT CHANNEL
- 07 42 13.MWP METAL WALL PANEL
- 07 51 00.TI TAPERED INSULATION
- 07 51 00.TPO TPO ROOFING MEMBRANE
- 07 62 00.C COPING
- 07 62 00.CF COUNTERFLASHINGS
- 07 62 00.MF SHEET METAL FLASHING
- 08 11 13.HMD HOLLOW METAL DOOR
- 08 11 13.HMF HOLLOW METAL FRAME
- 09 21 16.MS METAL STUD WALL FRAMING

GENERAL NOTES

SHEET-SPECIFIC NOTES

BARGE
DESIGN SOLUTIONS

2889 PACER FERRY ROAD | SUITE 607 | ATLANTA, GA 30339
PHONE: (770) 435-1311 | FAX: (770) 435-0683



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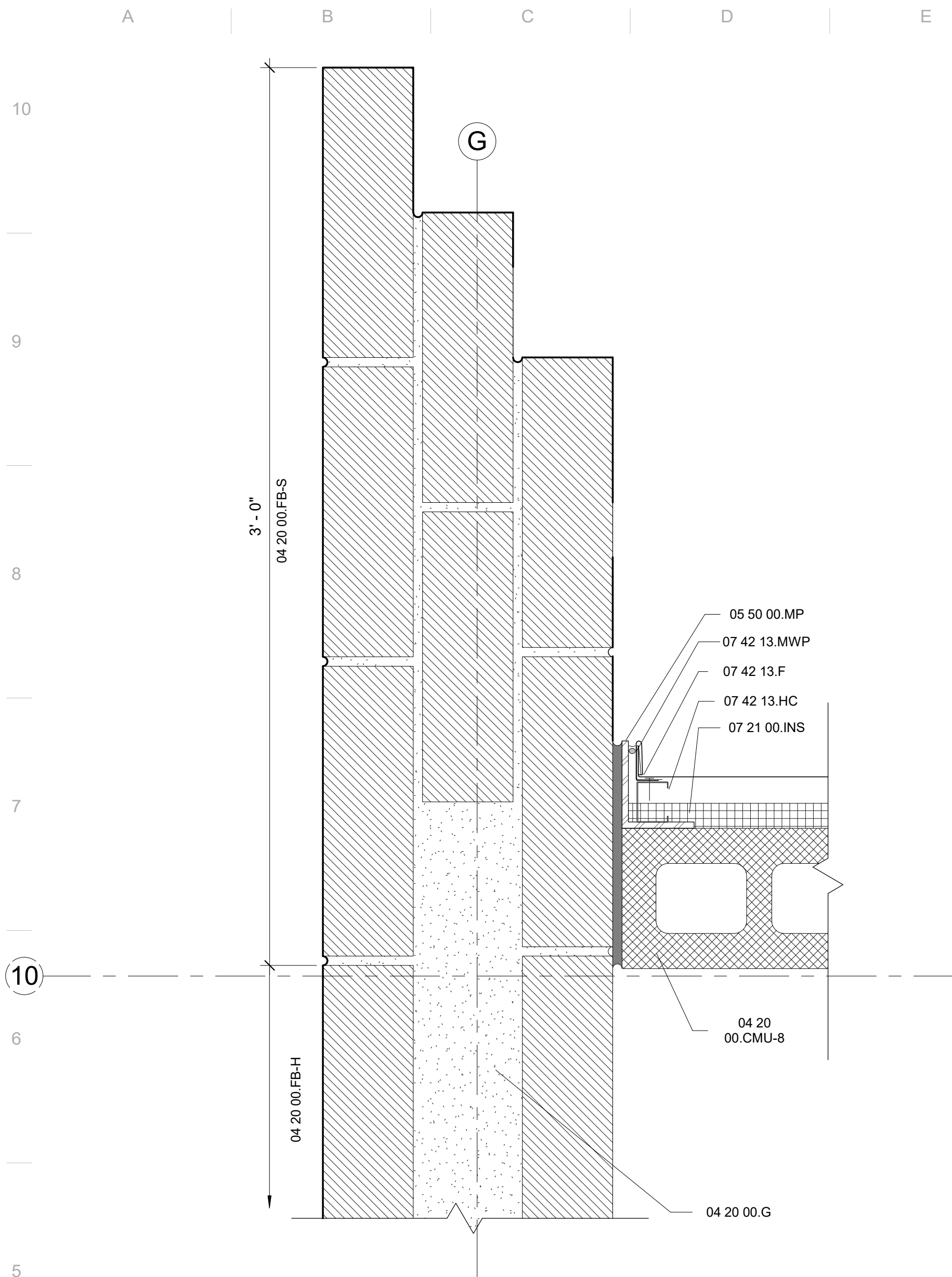
WALL SECTION DETAIL AT PAVILION

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

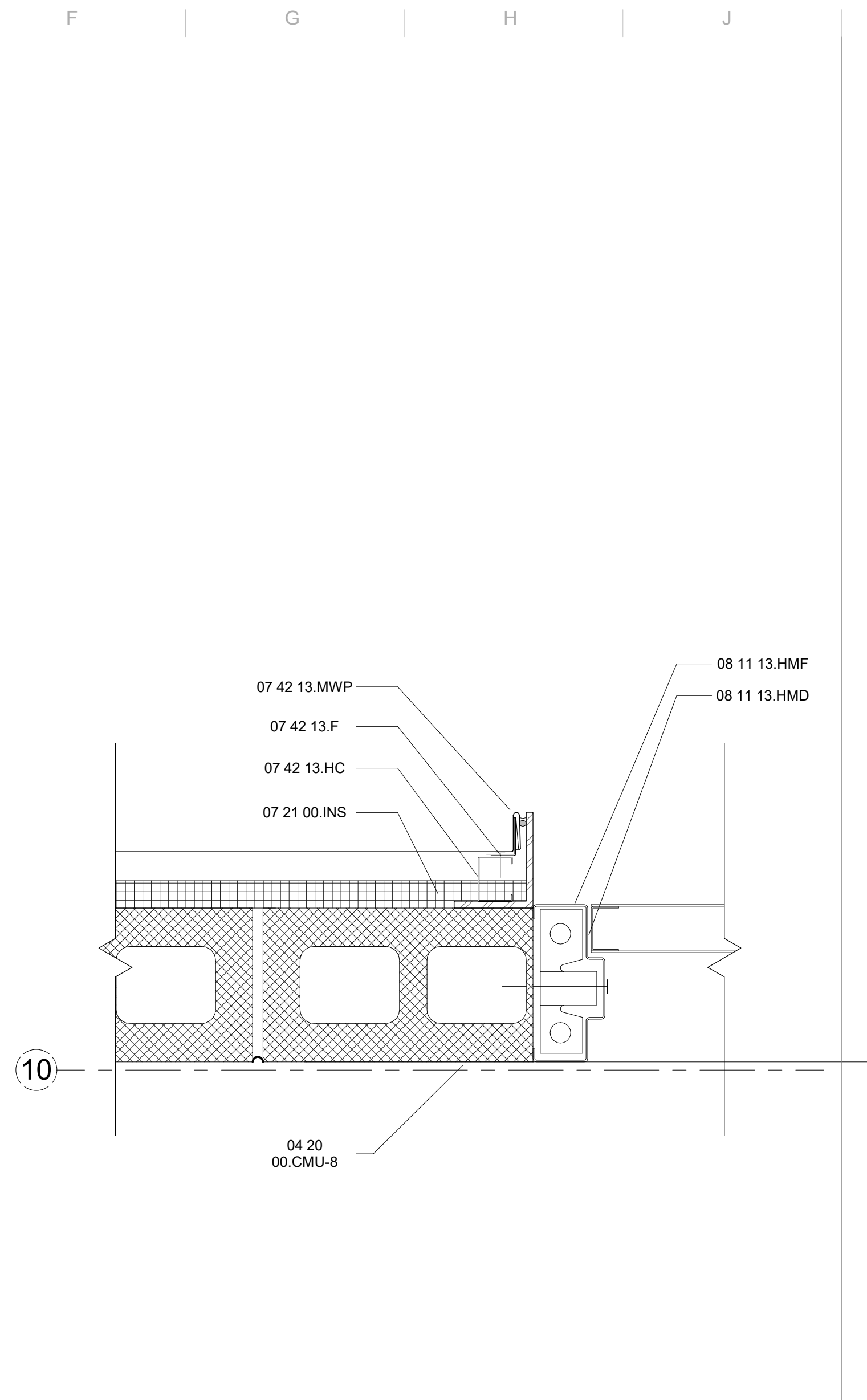
REVISION INFORMATION		DESCRIPTION
REV.	DATE	ISSUED FOR BID
0	05/21/2024	

A503

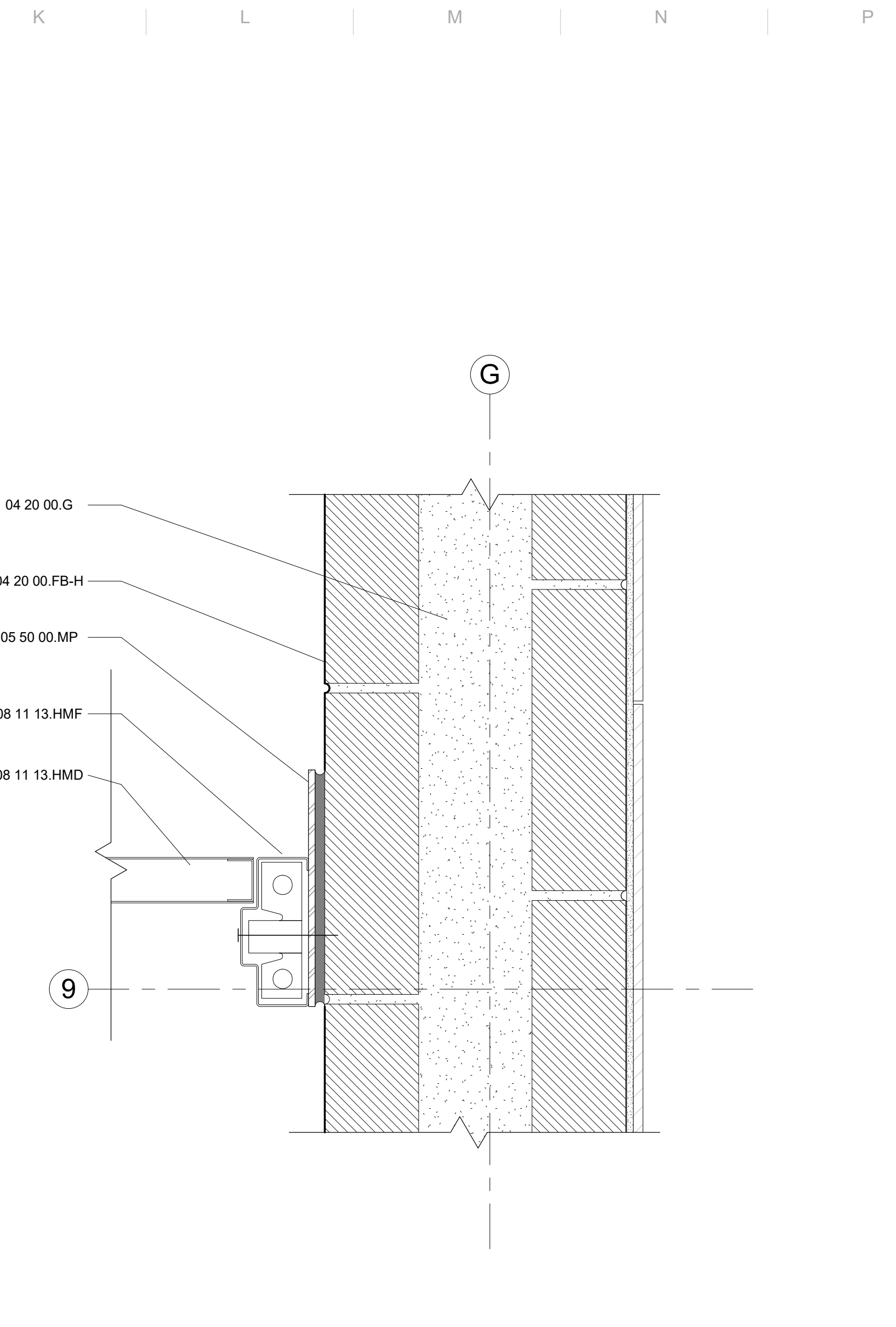
PROJ. NO. 2303



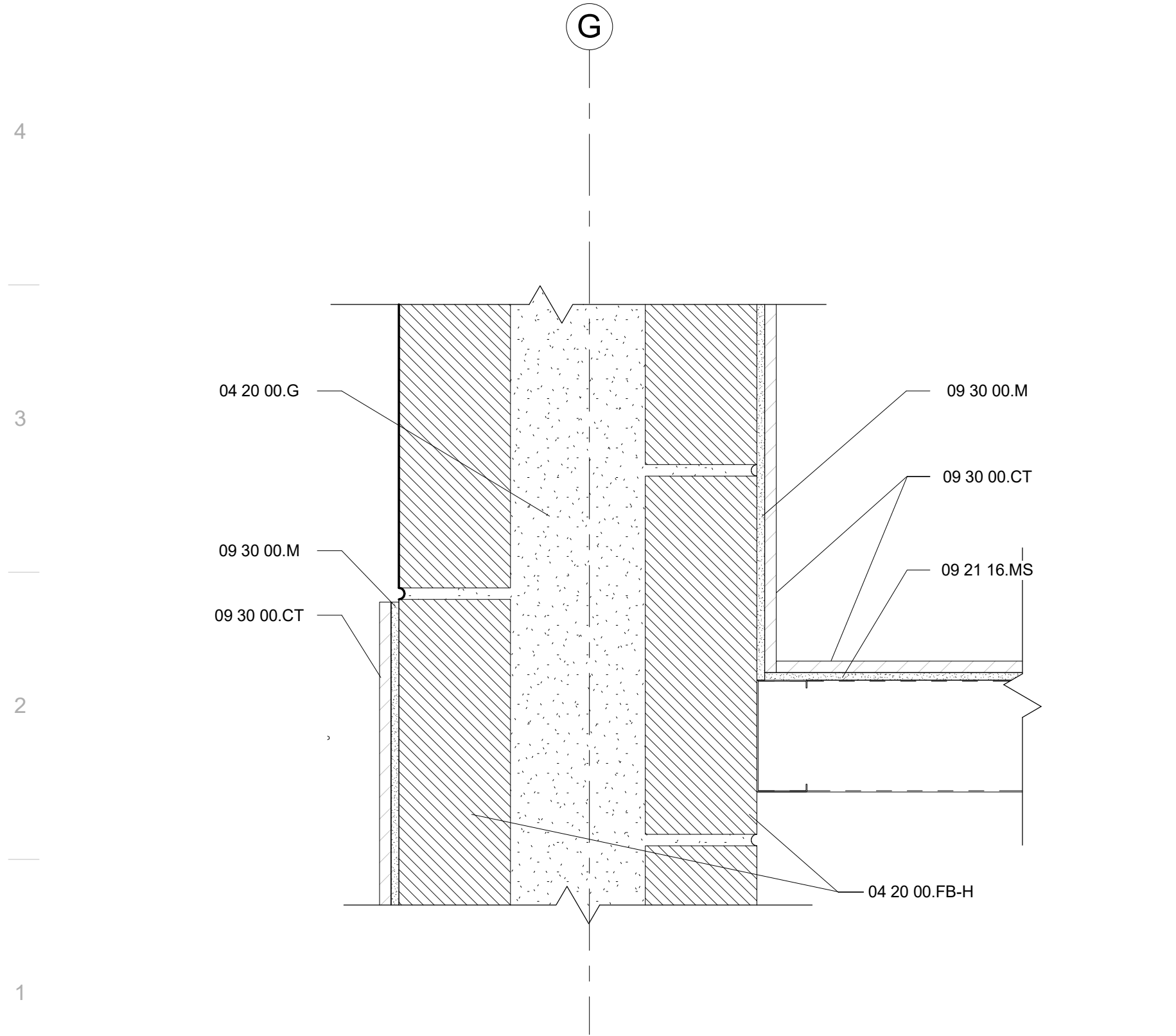
A5 RESTROOM PLAN DETAIL - MASONRY WALL AT METAL PANEL



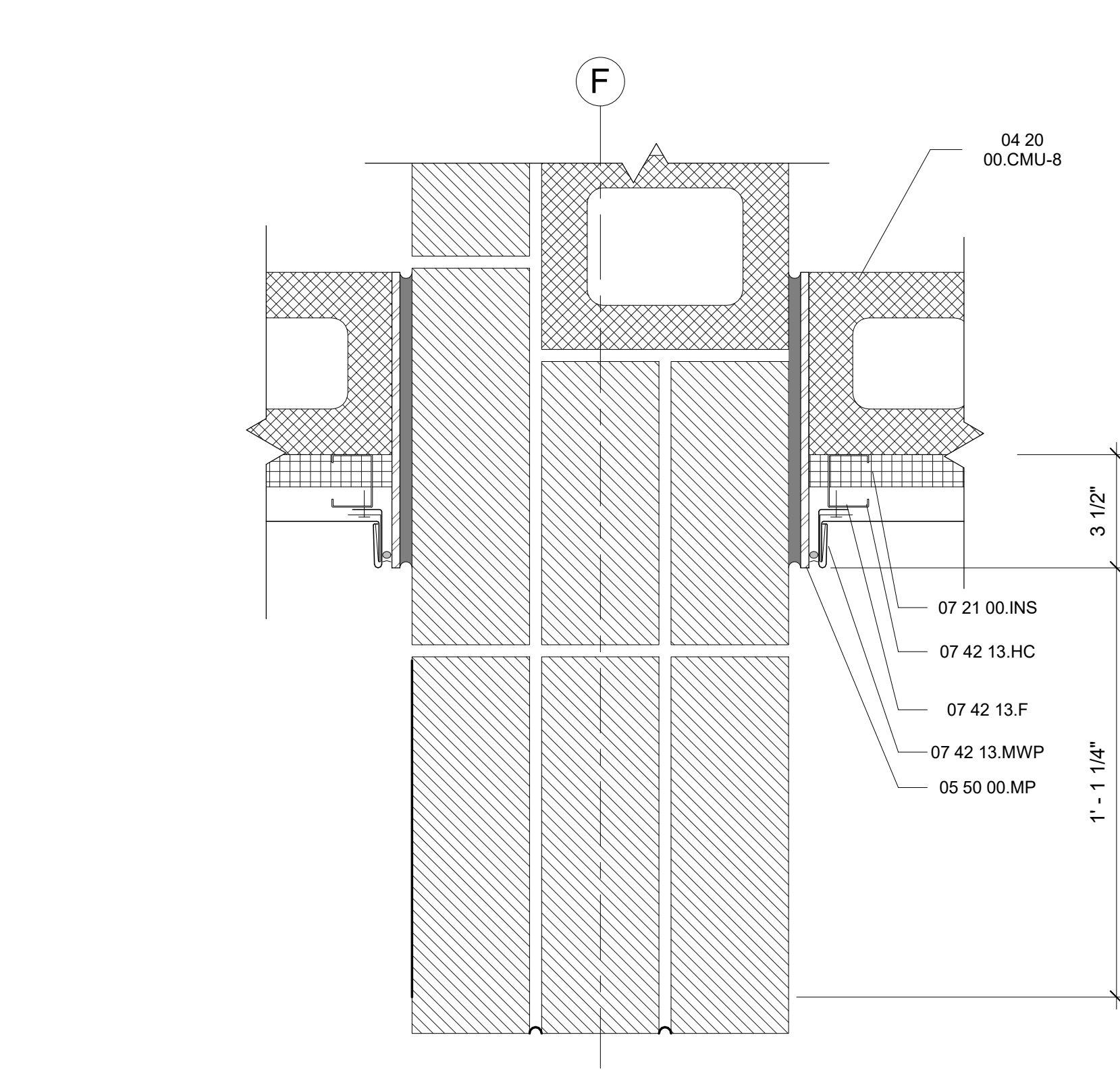
F5 RESTROOM PLAN DETAIL - DOOR JAMB AT METAL PANEL



K5 RESTROOM PLAN DETAIL - DOOR JAMB AT MASONRY WALL



A1 RESTROOM PLAN DETAIL - MASONRY WALL INTERIOR CORNER DETAIL



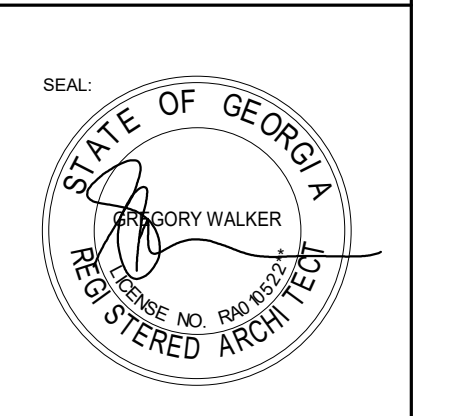
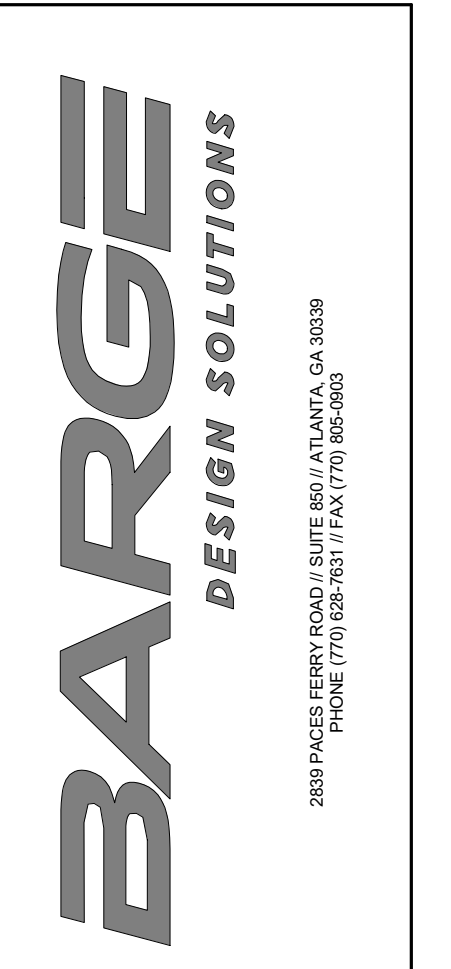
K1 RESTROOM PLAN DETAIL - MASONRY WALL END CONDITION AT METAL PANEL

MATERIAL KEYNOTES

04 20	8" CONCRETE BLOCK
00.CMU-8	
04 20 00.FB-H	FACING BRICK, HOLLOW
04 20 00.FB-S	FACING BRICK, SOLID
04 20 00.G	GROUT
05 50 00.MP	METAL PLATE
07 21 00.INS	THERMAL INSULATION
07 42 13.F	FASTENER
07 42 13.HC	3/8" HAT CHANNEL
07 42 13.MWP	METAL WALL PANEL
08 11 13.HMD	HOLLOW METAL DOOR
08 11 13.HMF	HOLLOW METAL FRAME
09 21 16.MS	METAL STUD WALL FRAMING
09 30 00.CT	PORCELAIN TILE
09 30 00.M	MORTAR

GENERAL NOTES
A. See A101 for additional notes.

SHEET-SPECIFIC NOTES
1. See A101 for additional notes.



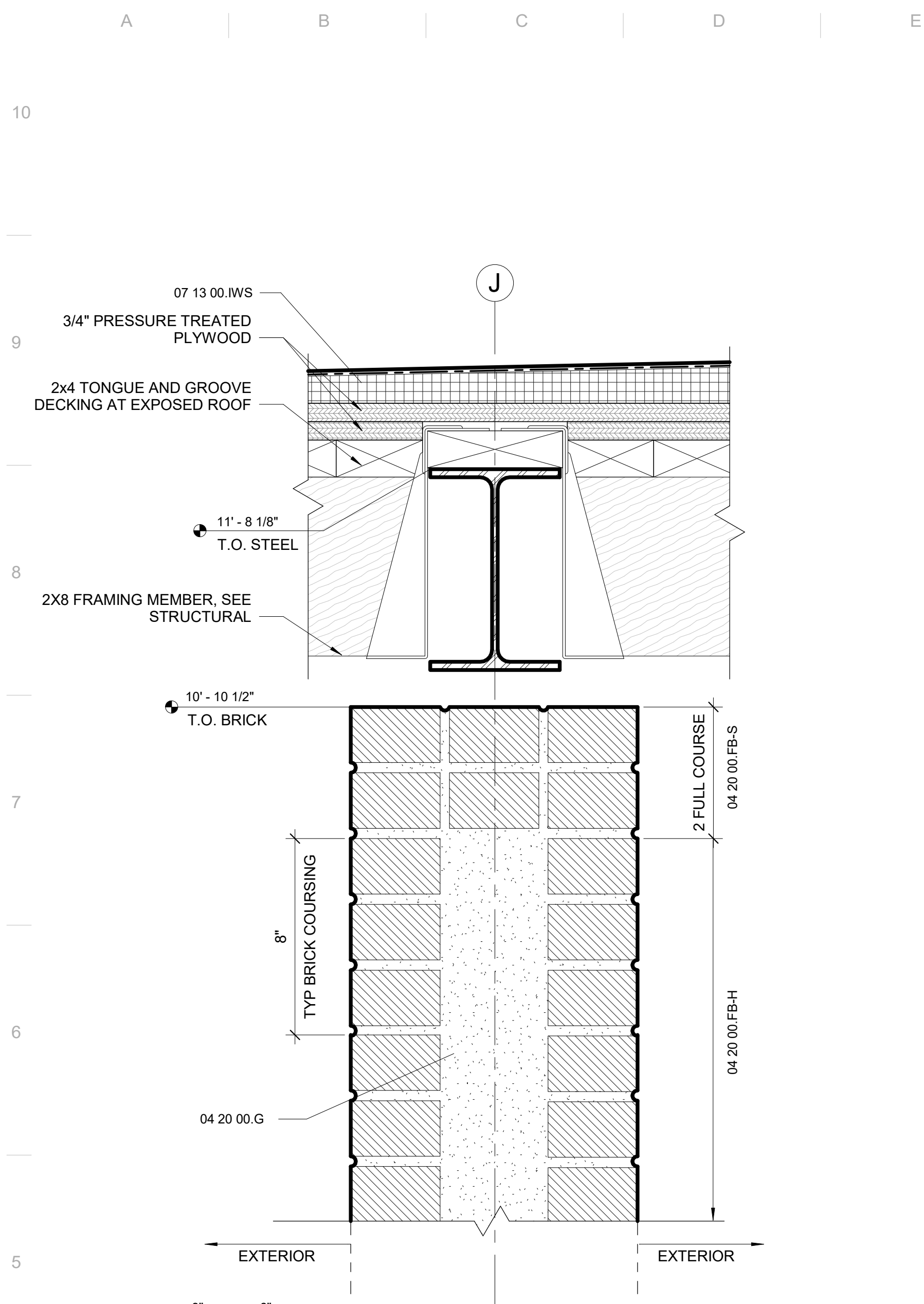
HOUSER WALKER
ARCHITECTURE

EXTERIOR WALL PLAN DETAILS AT RESTROOM
CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

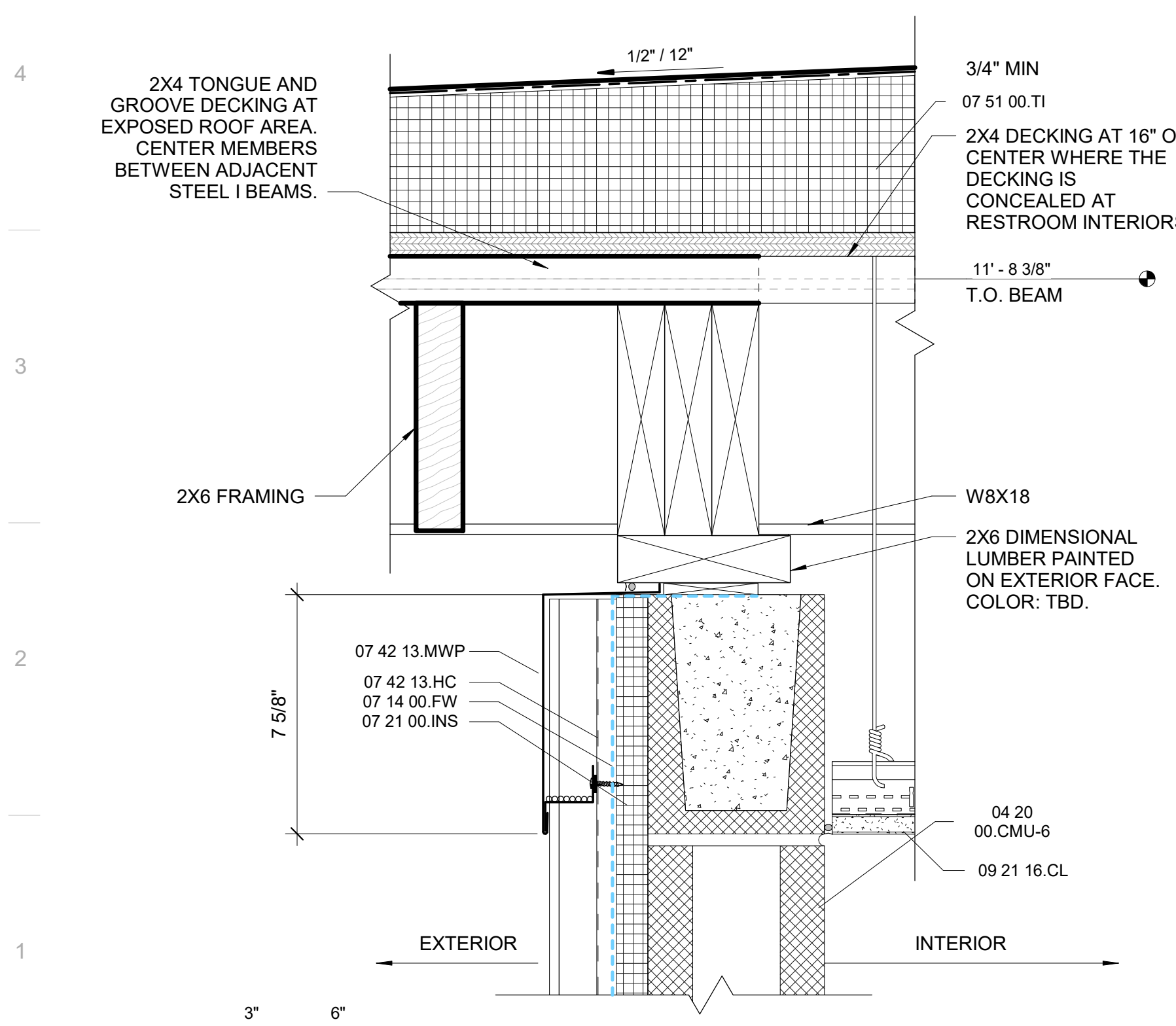
REVISION INFORMATION

REV.	DATE	DESCRIPTION
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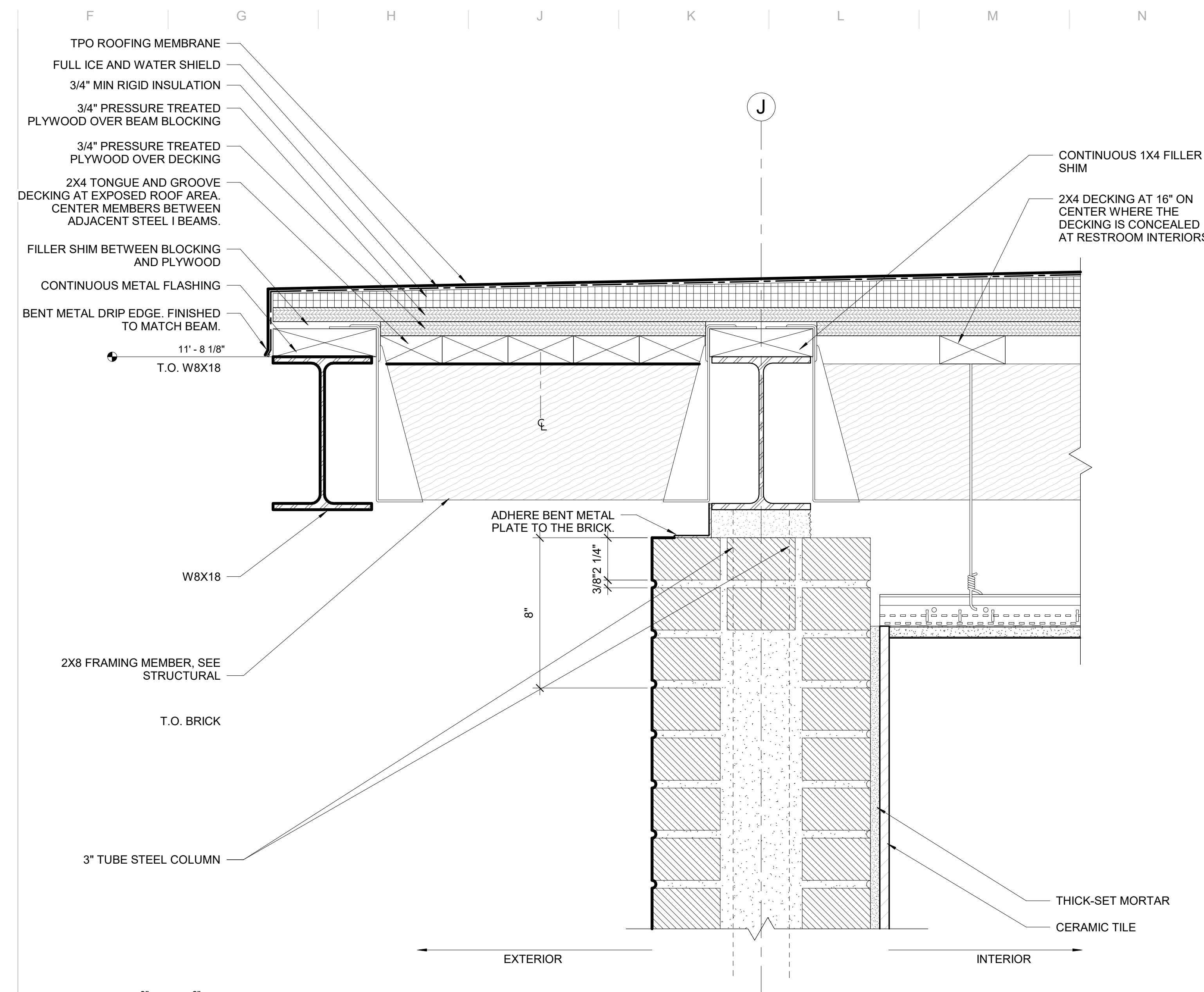
A504
PROJ. NO. 2303



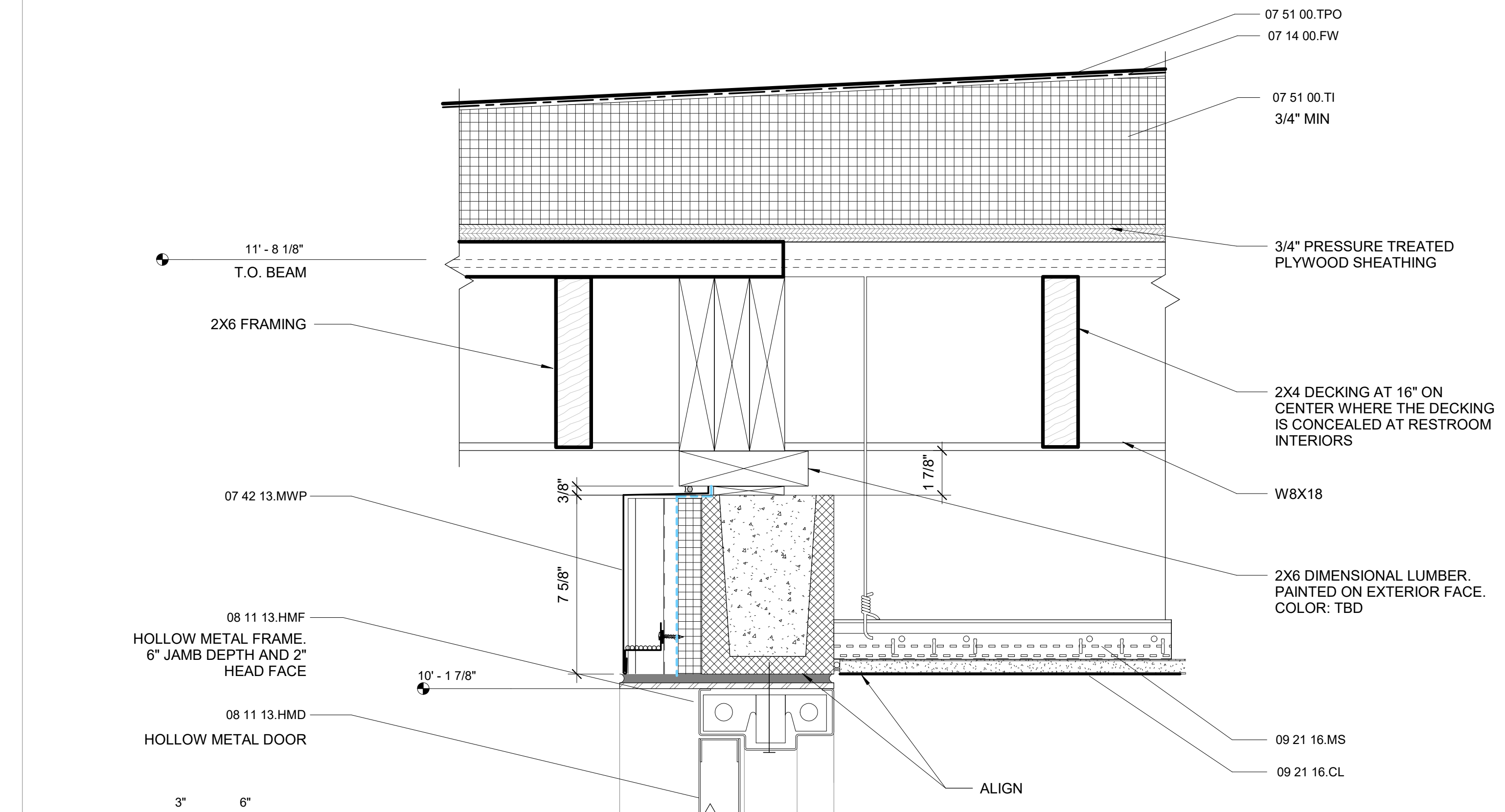
A4 RESTROOM SECTION DETAIL - EXTERIOR MASONRY WALL



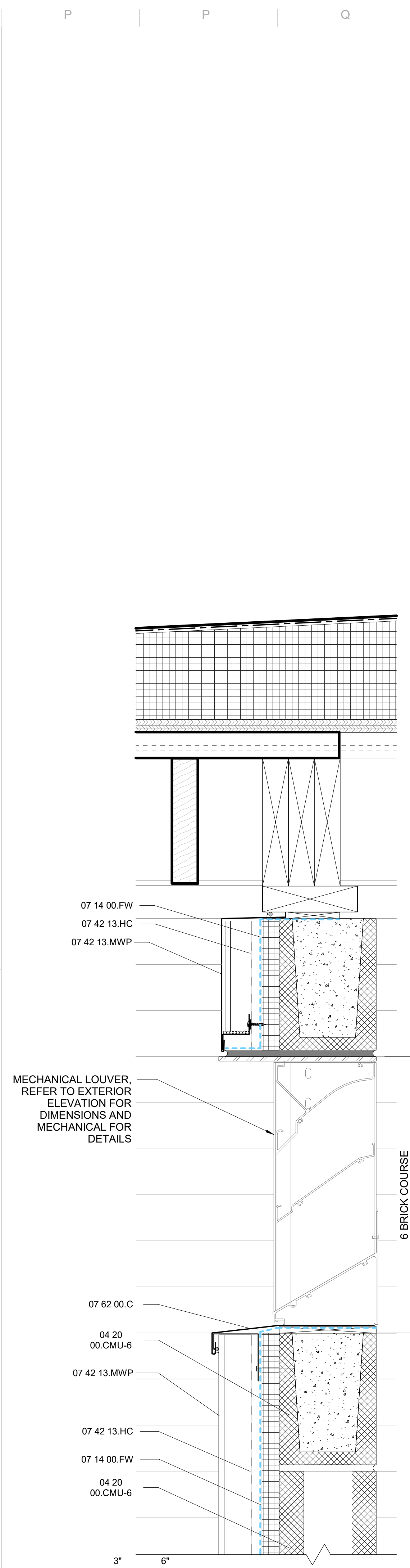
A1 RESTROOM SECTION DETAIL - METAL PANEL



F4 RESTROOM SECTION DETAIL - ROOF EDGE AND MASONRY WALL ENCLOSURE

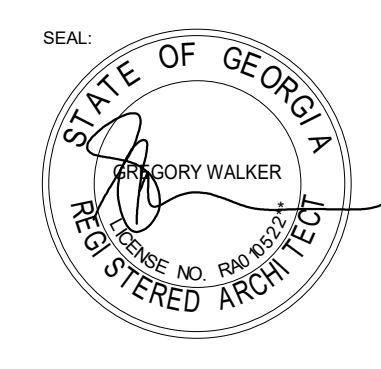


F1 RESTROOM SECTION DETAIL - DOOR HEADER



P1 SECTION DETAIL AT LOUVER

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DESIGN SOLUTIONS



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ARCHITECTURE

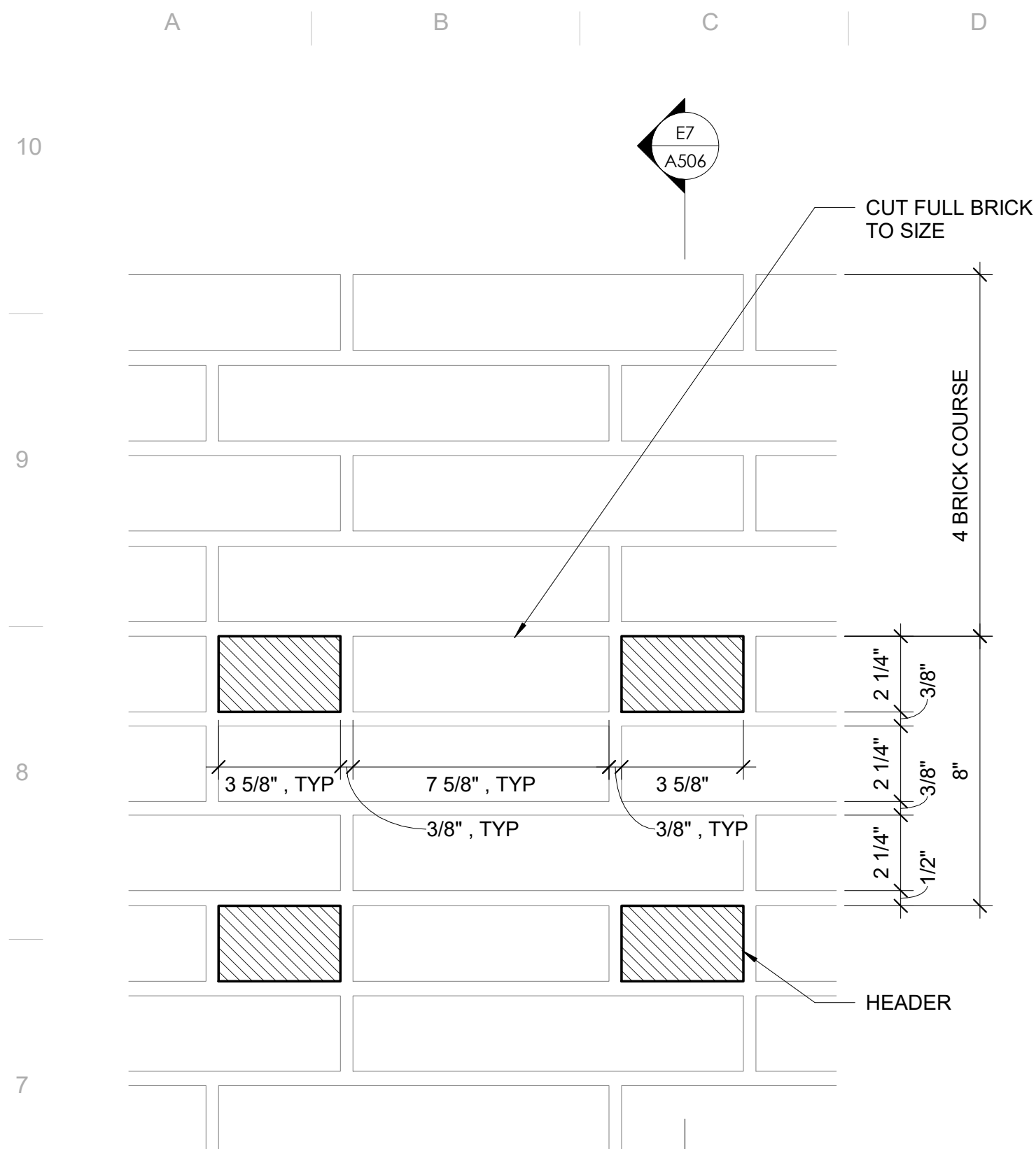
WALL SECTION DETAIL AT RESTROOM

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

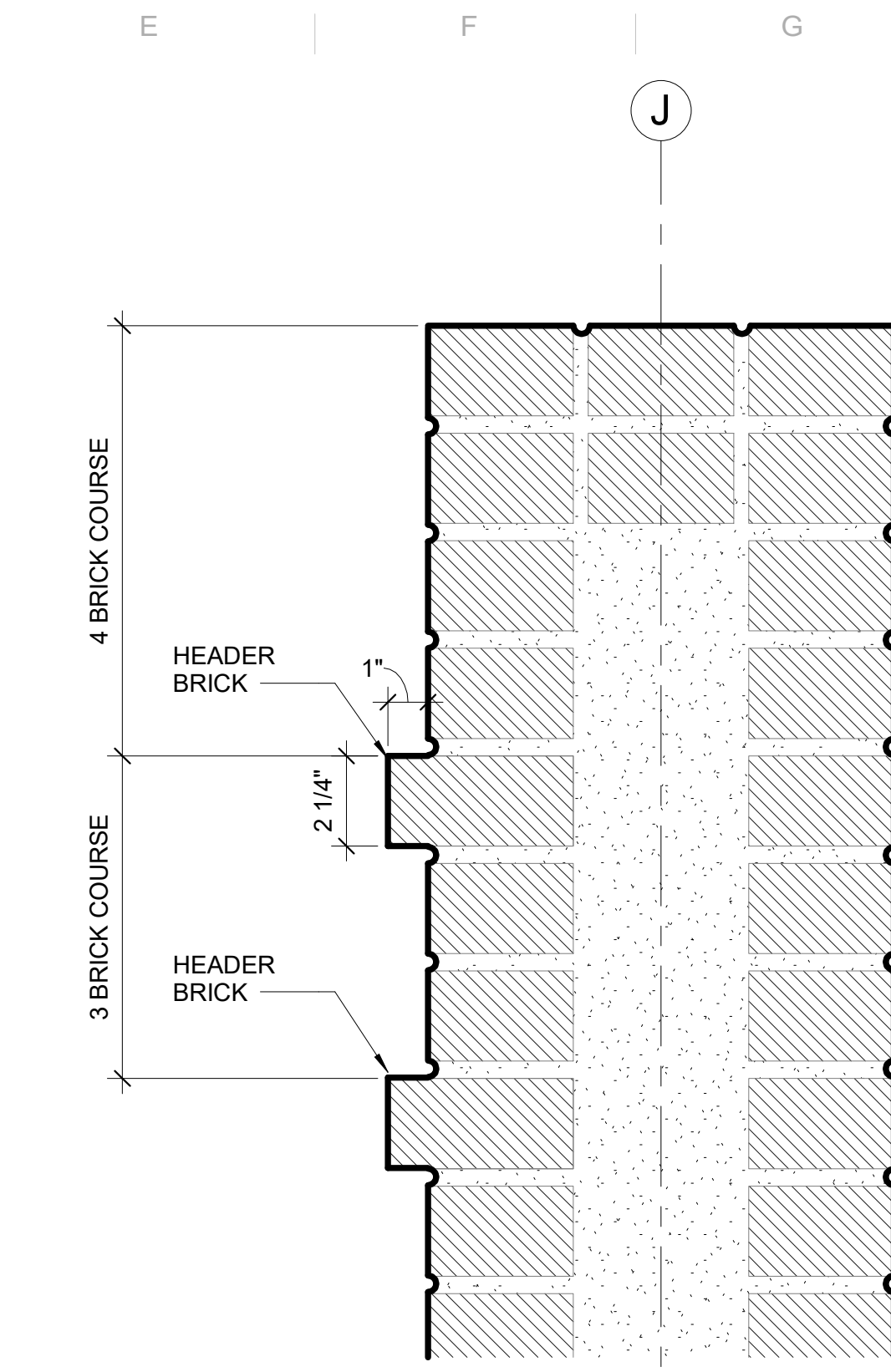
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REV.	DATE	ISSUED FOR BID
0	05/21/2024	

A505

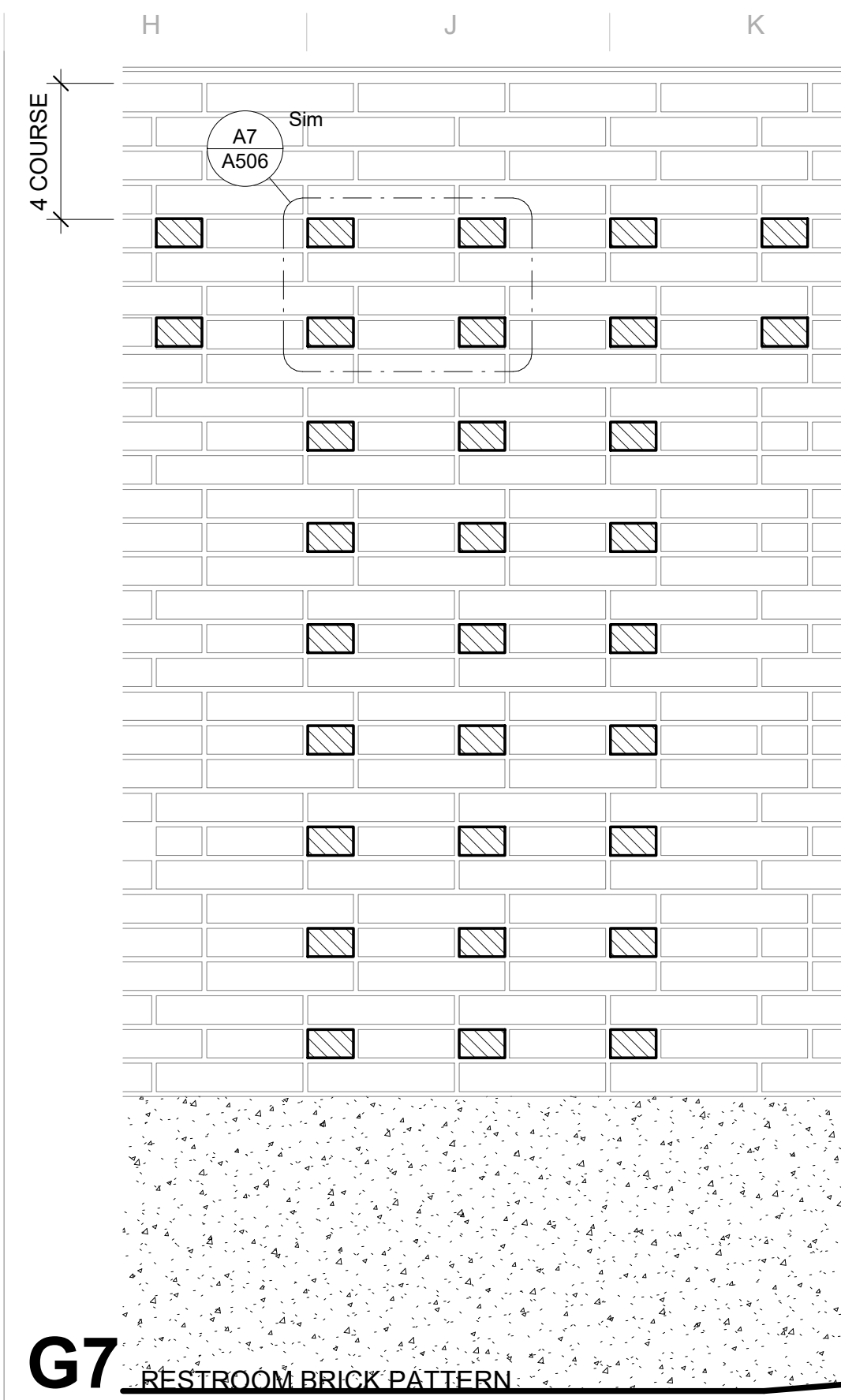
PROJ. NO. 2303



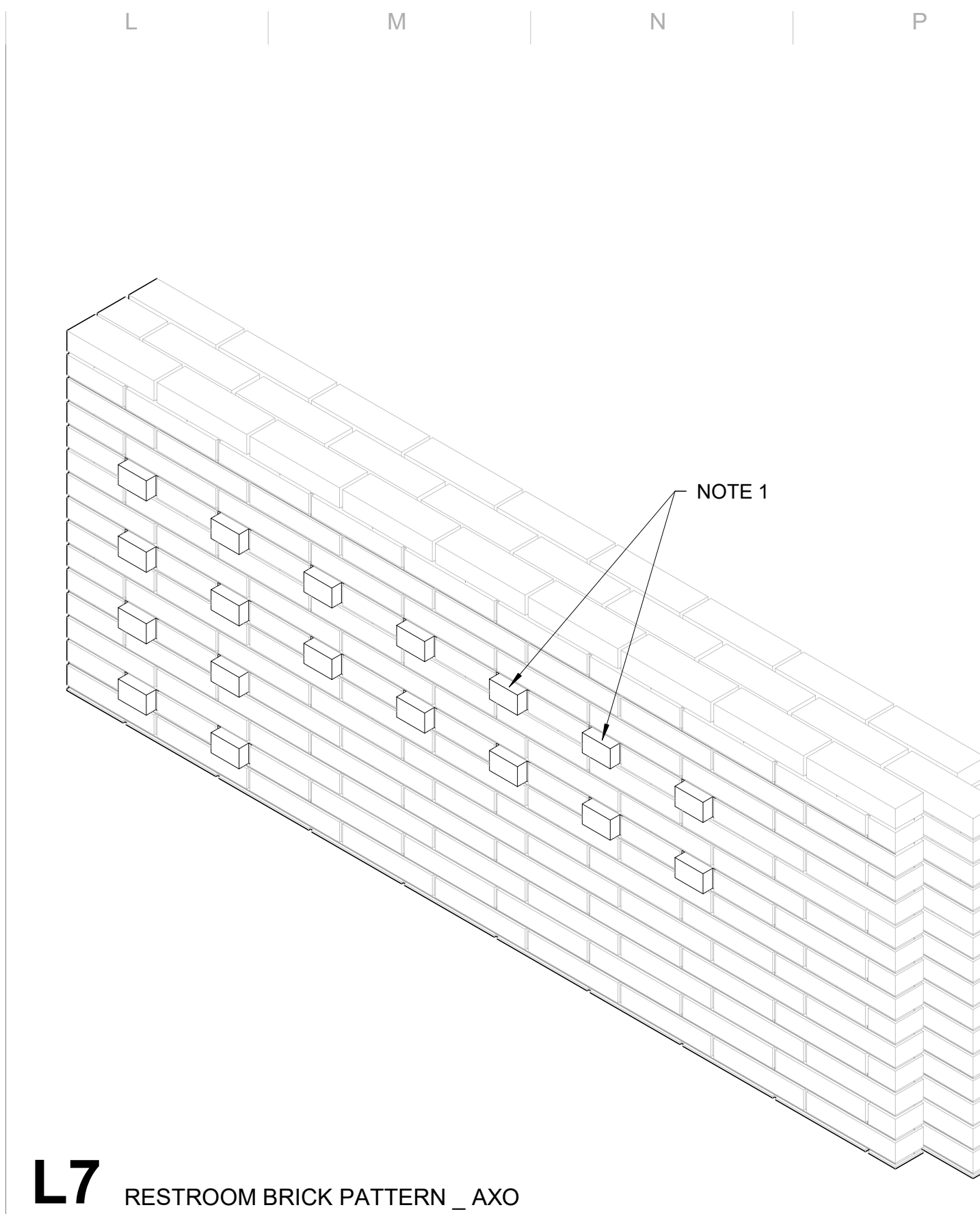
A7 ENLARGED BRICK DETAIL



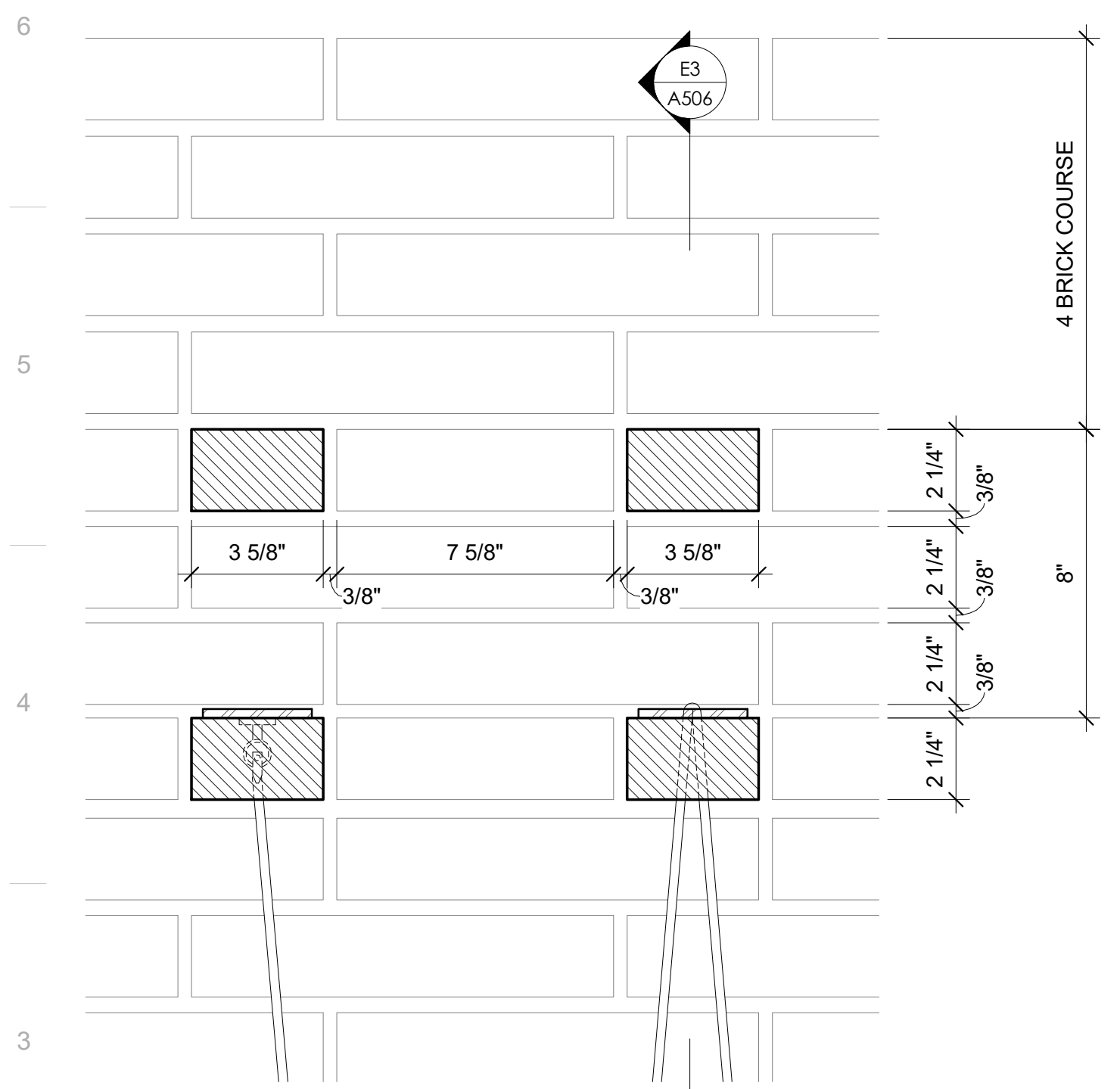
E7 ENLARGED BRICK SECTION



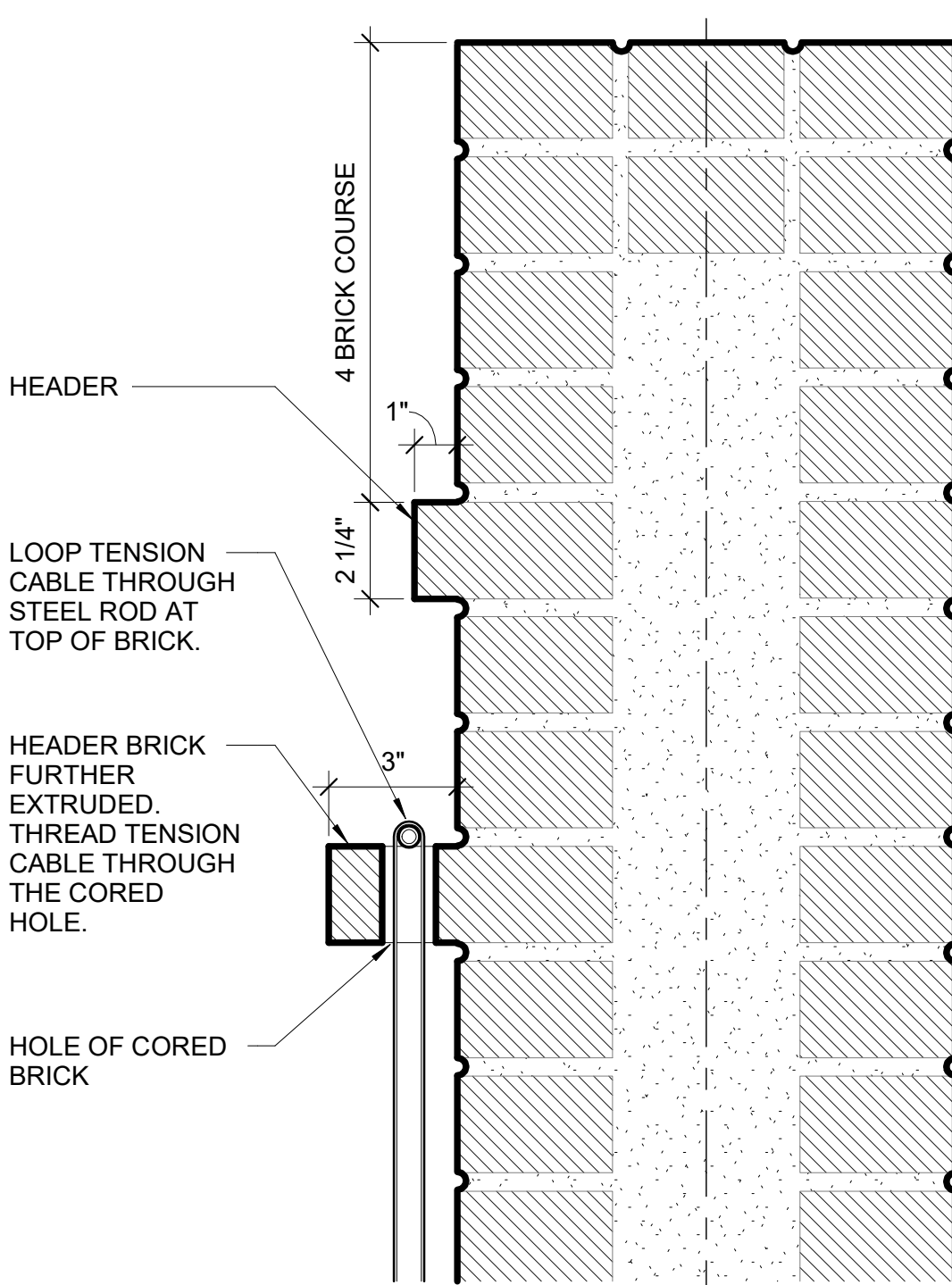
G7 RESTROOM BRICK PATTERN



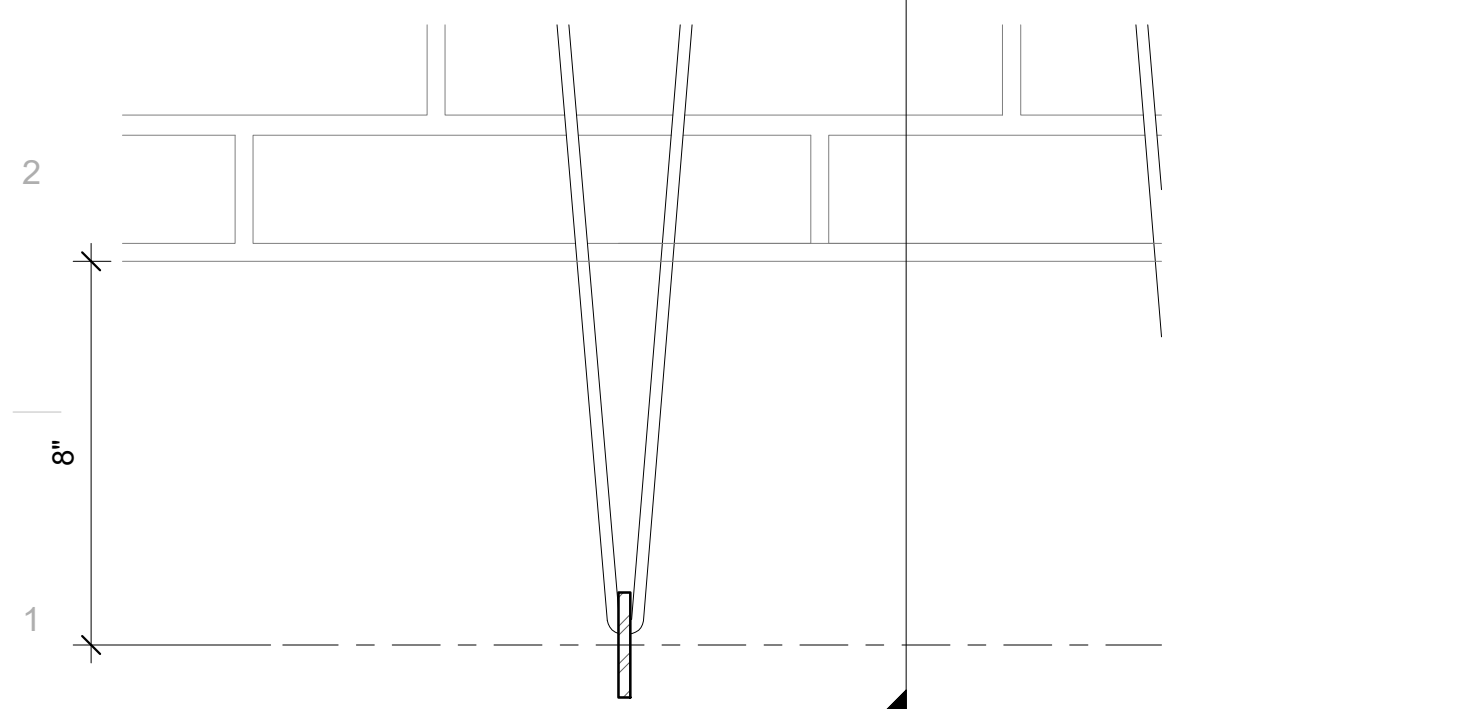
L7 RESTROOM BRICK PATTERN _ AXO



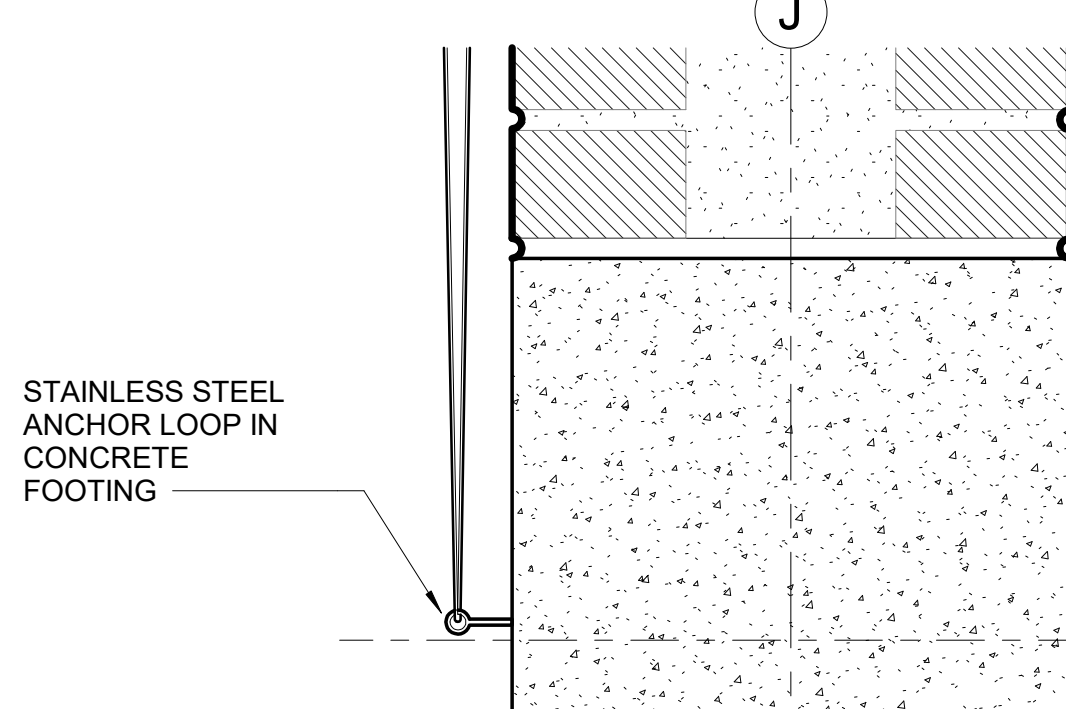
A3 ENLARGED BRICK AND CABLE DETAIL



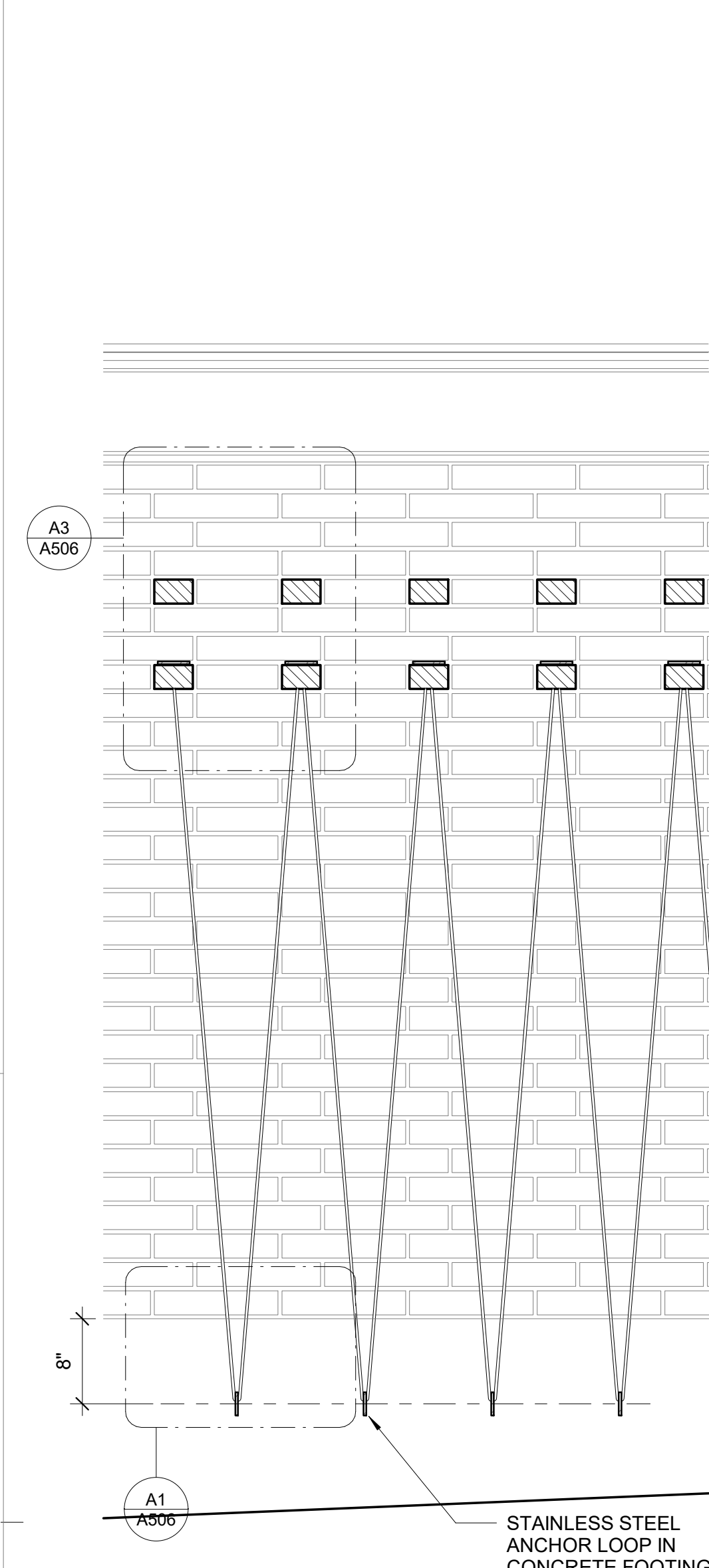
E3 ENLARGED BRICK AND CABLE SECTION DETAIL AT TOP OF WALL



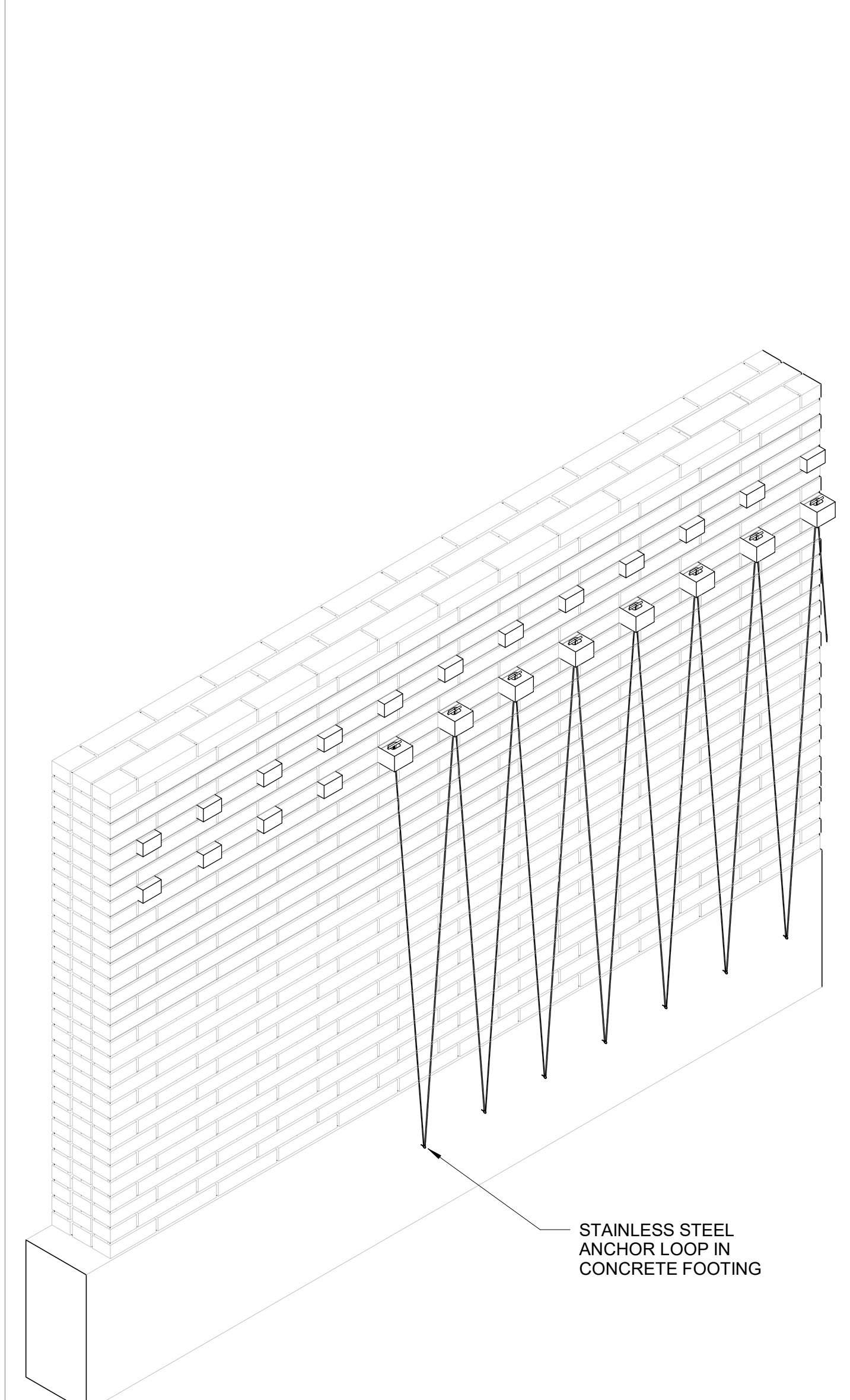
A1 ANCHOR LOOP ELEVATION DETAIL AT BASE



2 ANCHOR LOOP SECTION DETAIL AT BASE



G1 RESTROOM BRICK PATTERN AND TENSION CABLE DETAIL



L1 RESTROOM BRICK PATTERN _ AXO 2

MATERIAL KEYNOTES

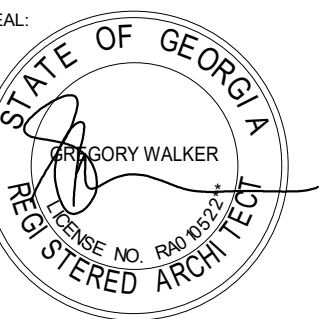
GENERAL NOTES

SHEET-SPECIFIC NOTES

1. Solid header brick, extrude 1" beyond face of brick plane.

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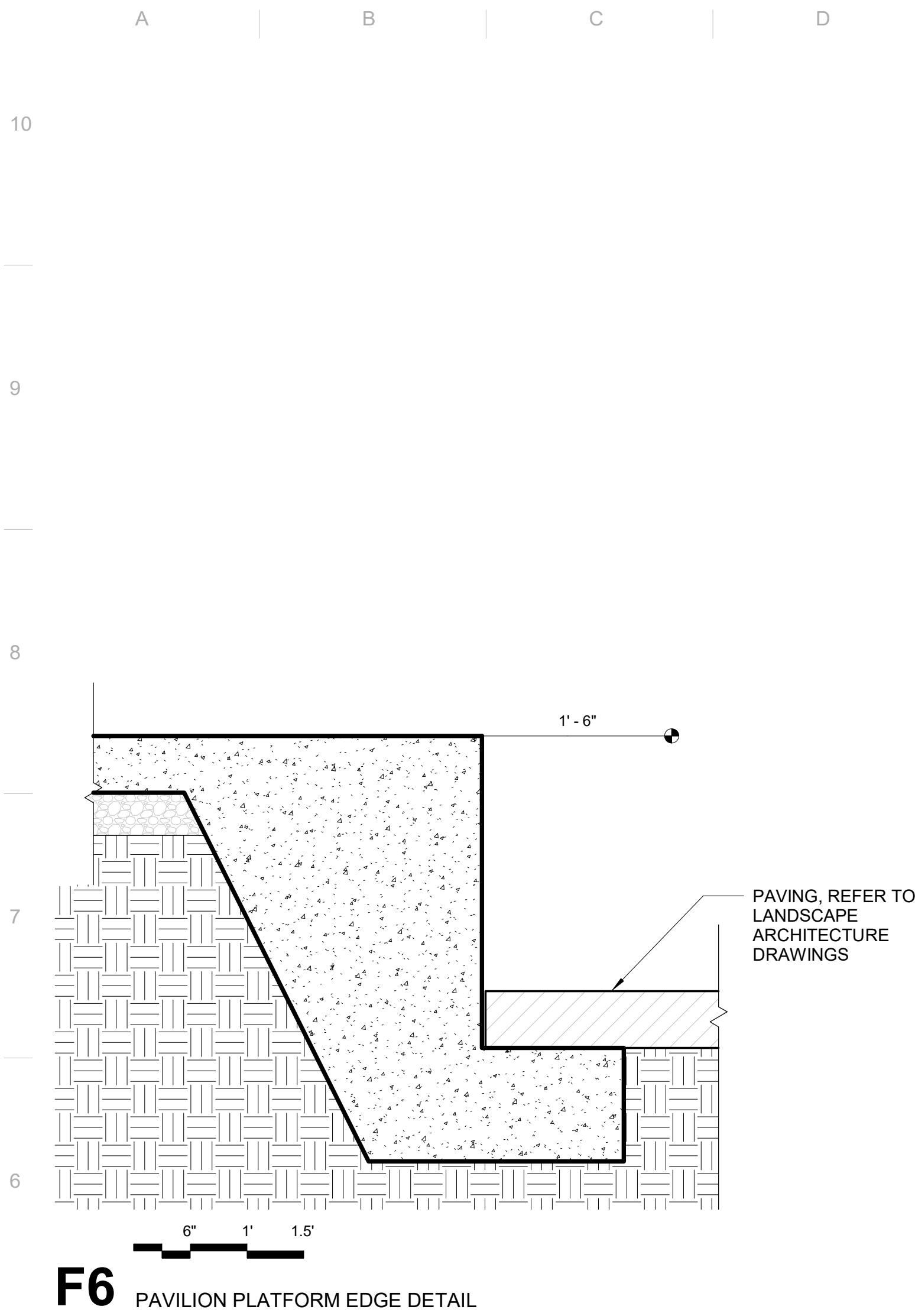
RESTROOM BRICK PATTERNS AND DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

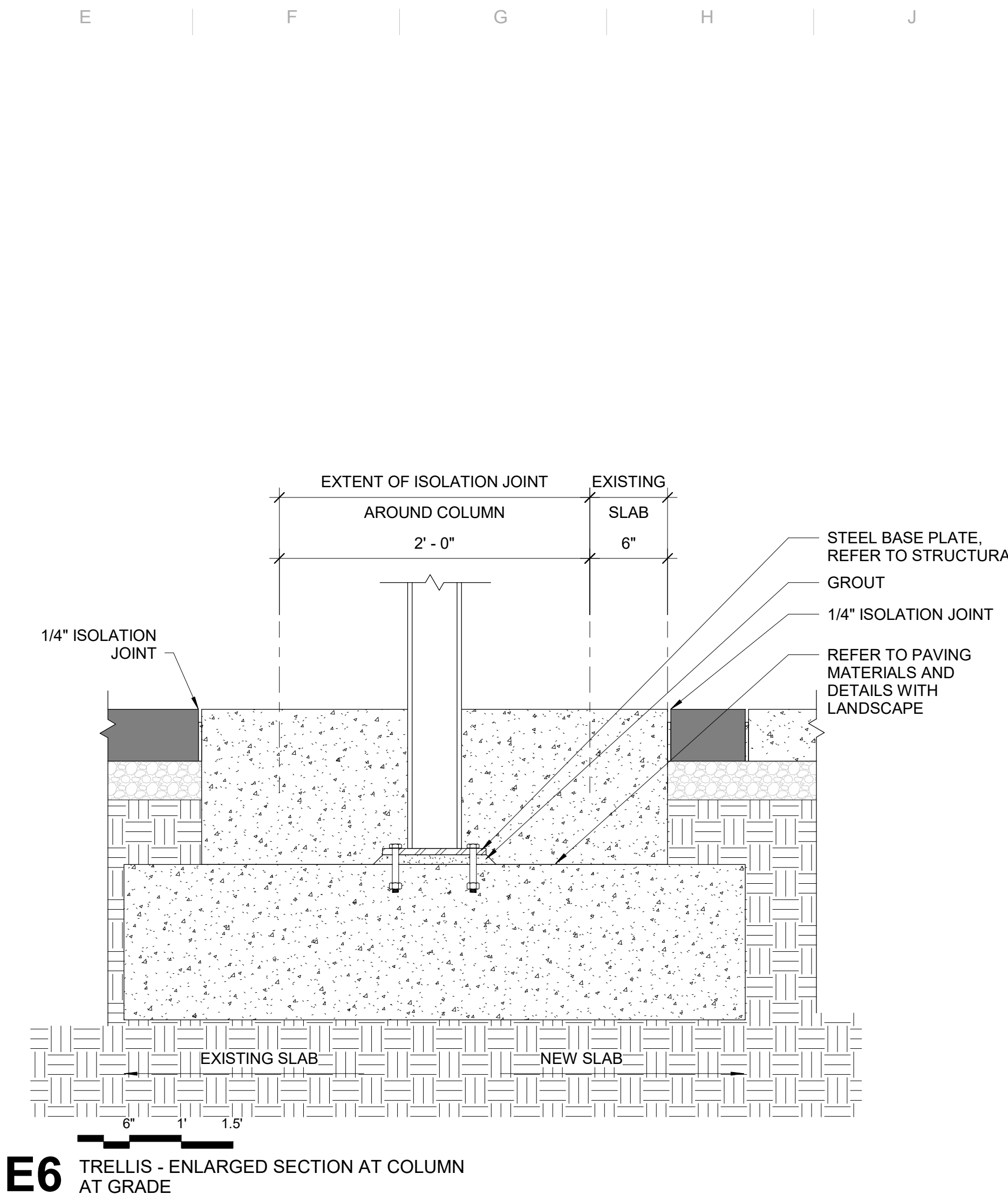
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REV.	DATE	ISSUED FOR BID
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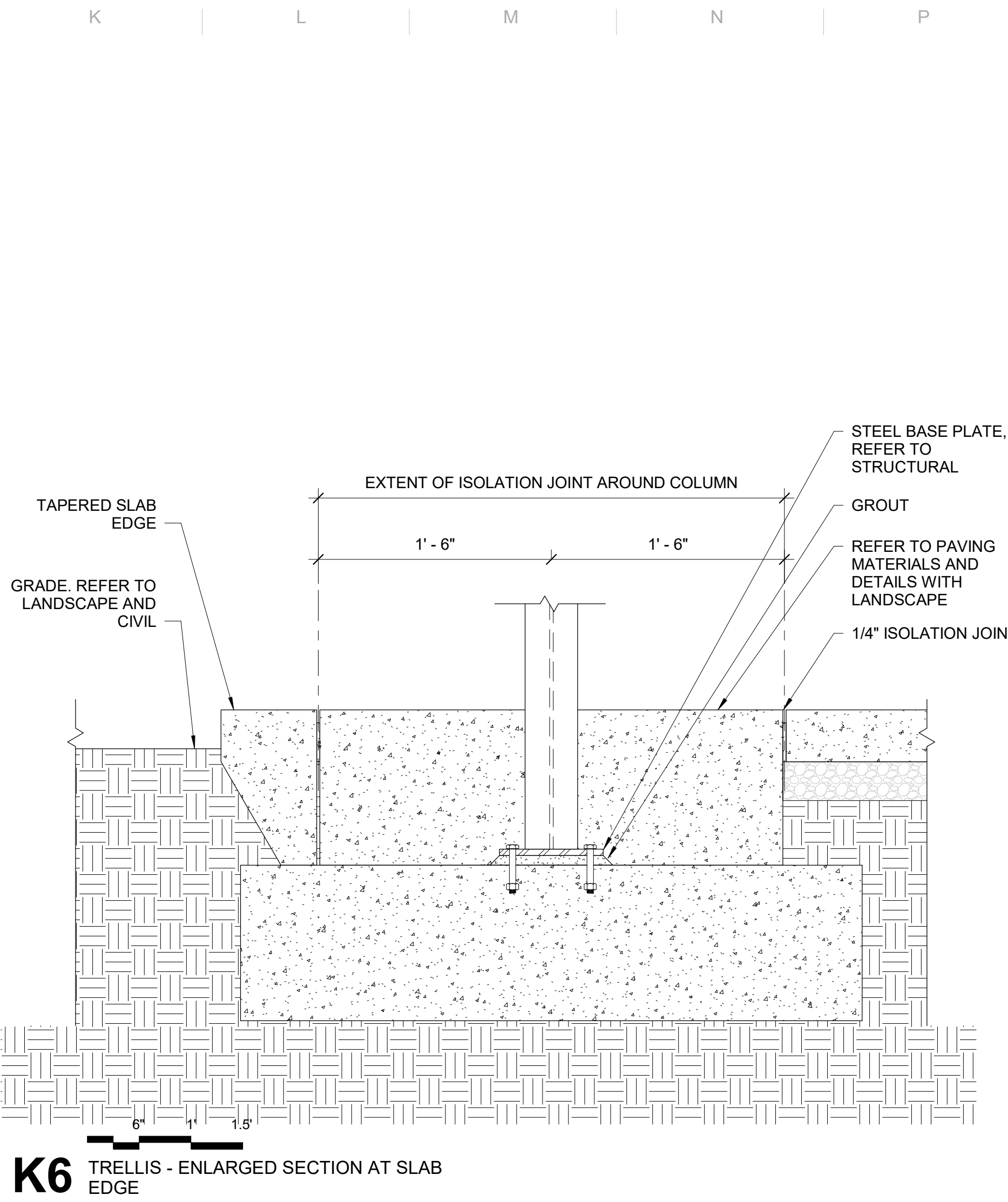
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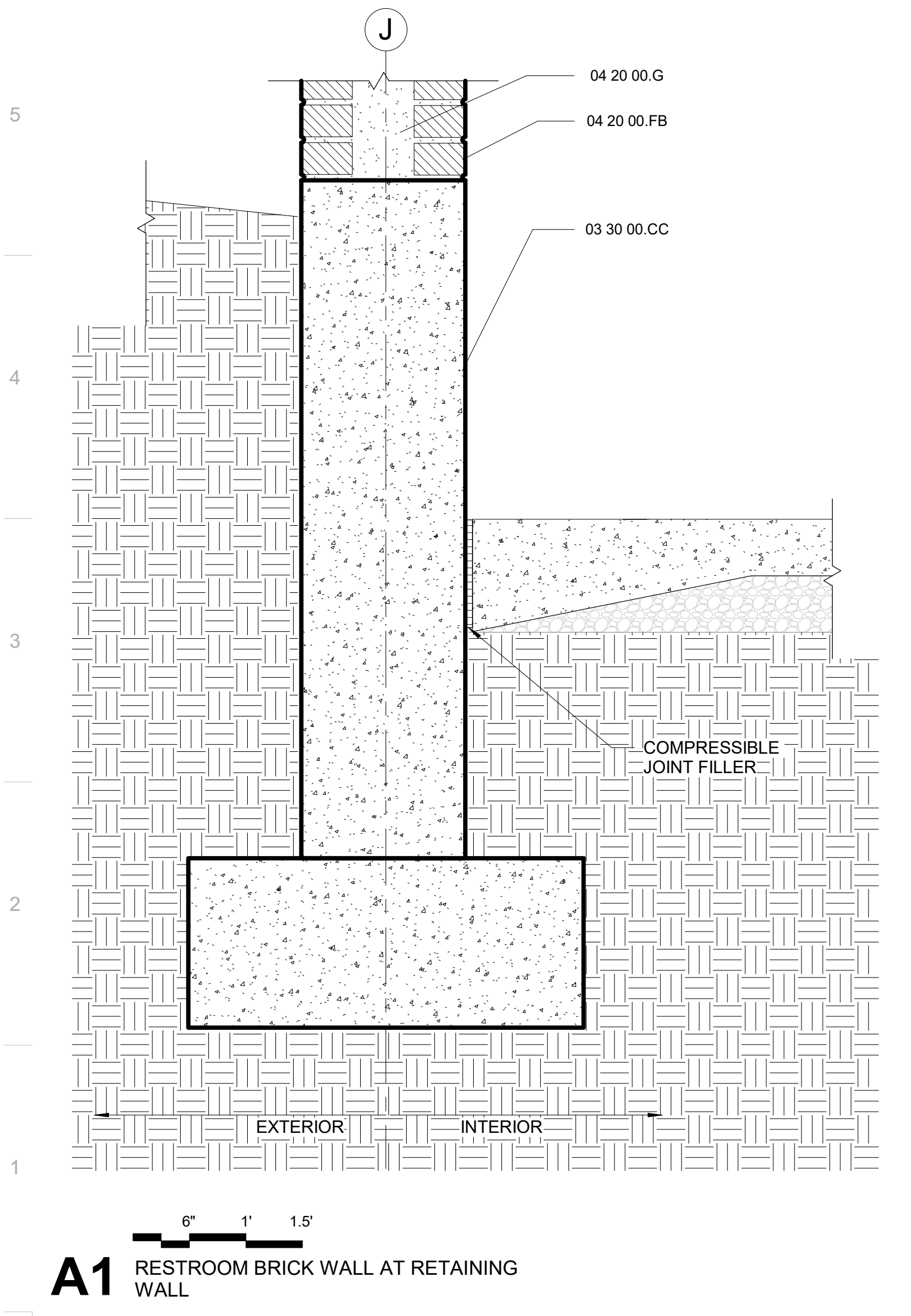
F6 PAVILION PLATFORM EDGE DETAIL



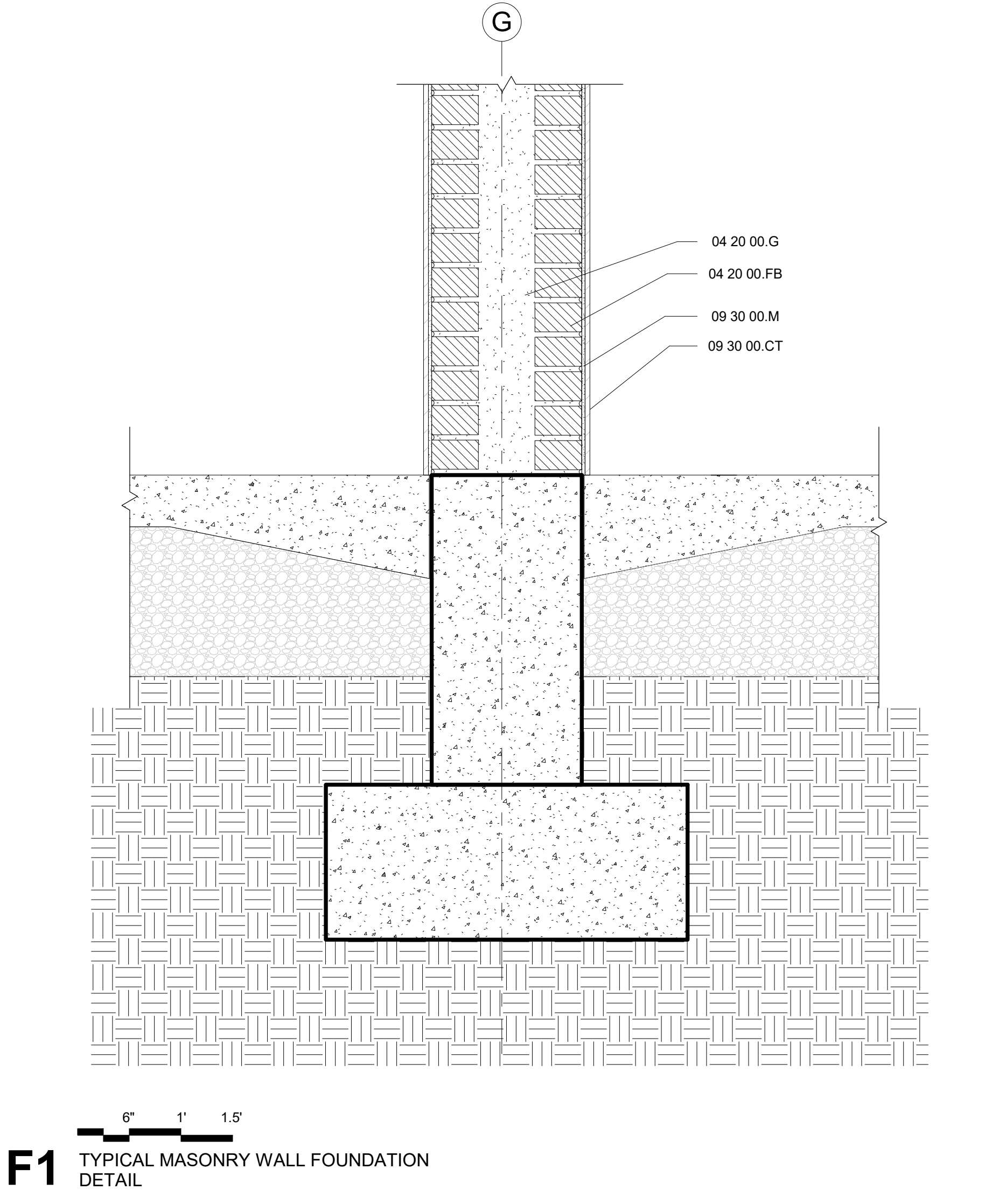
E6 TRELLIS - ENLARGED SECTION AT COLUMN AT GRADE



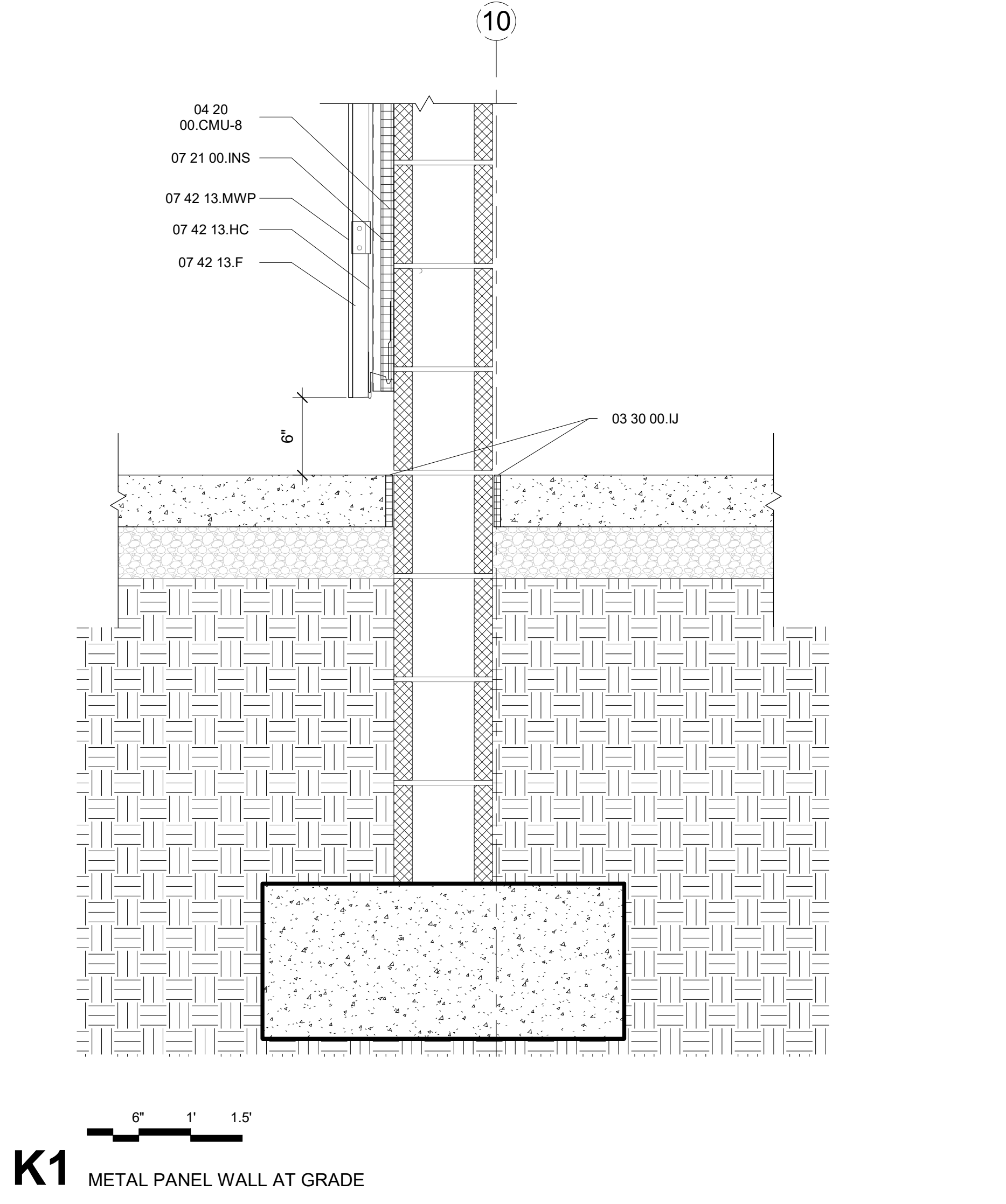
K6 TRELLIS - ENLARGED SECTION AT SLAB EDGE



A1 RESTROOM BRICK WALL AT RETAINING WALL



F1 TYPICAL MASONRY WALL FOUNDATION DETAIL

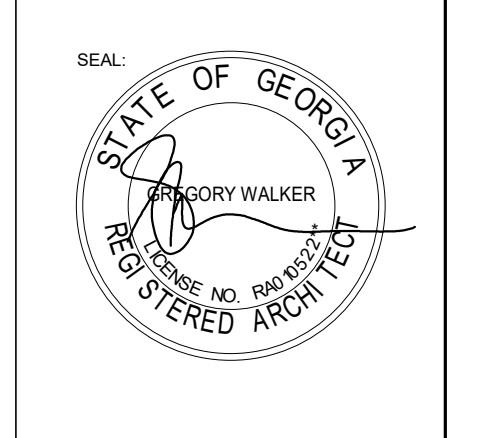
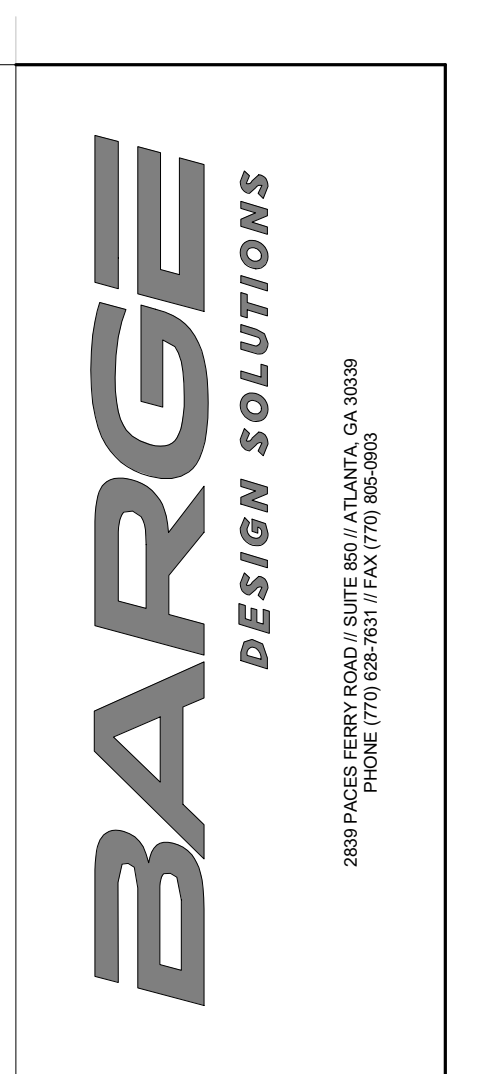


K1 METAL PANEL WALL AT GRADE

MATERIAL KEYNOTES

GENERAL NOTES

SHEET-SPECIFIC NOTES



HOUSER WALKER ARCHITECTURE

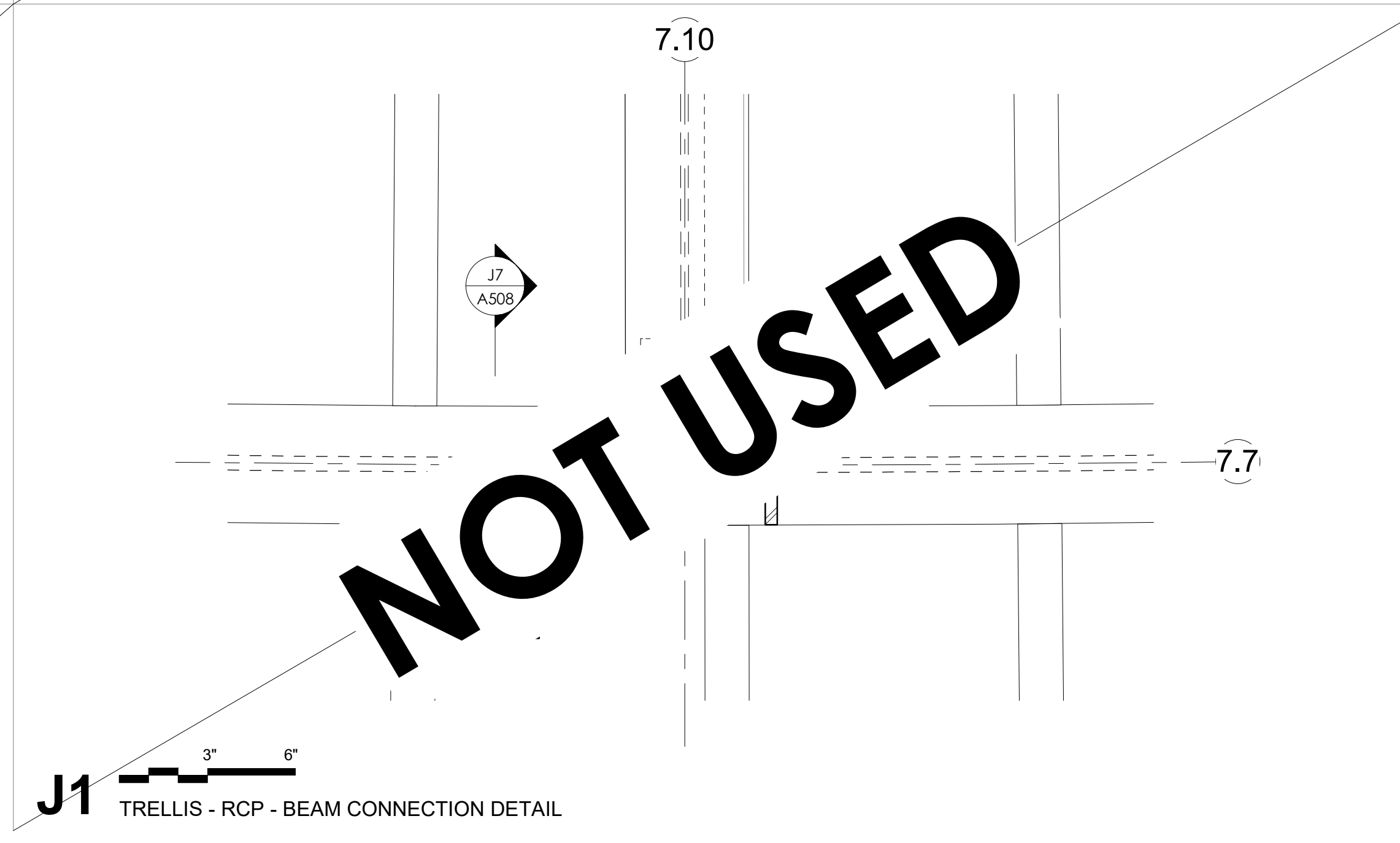
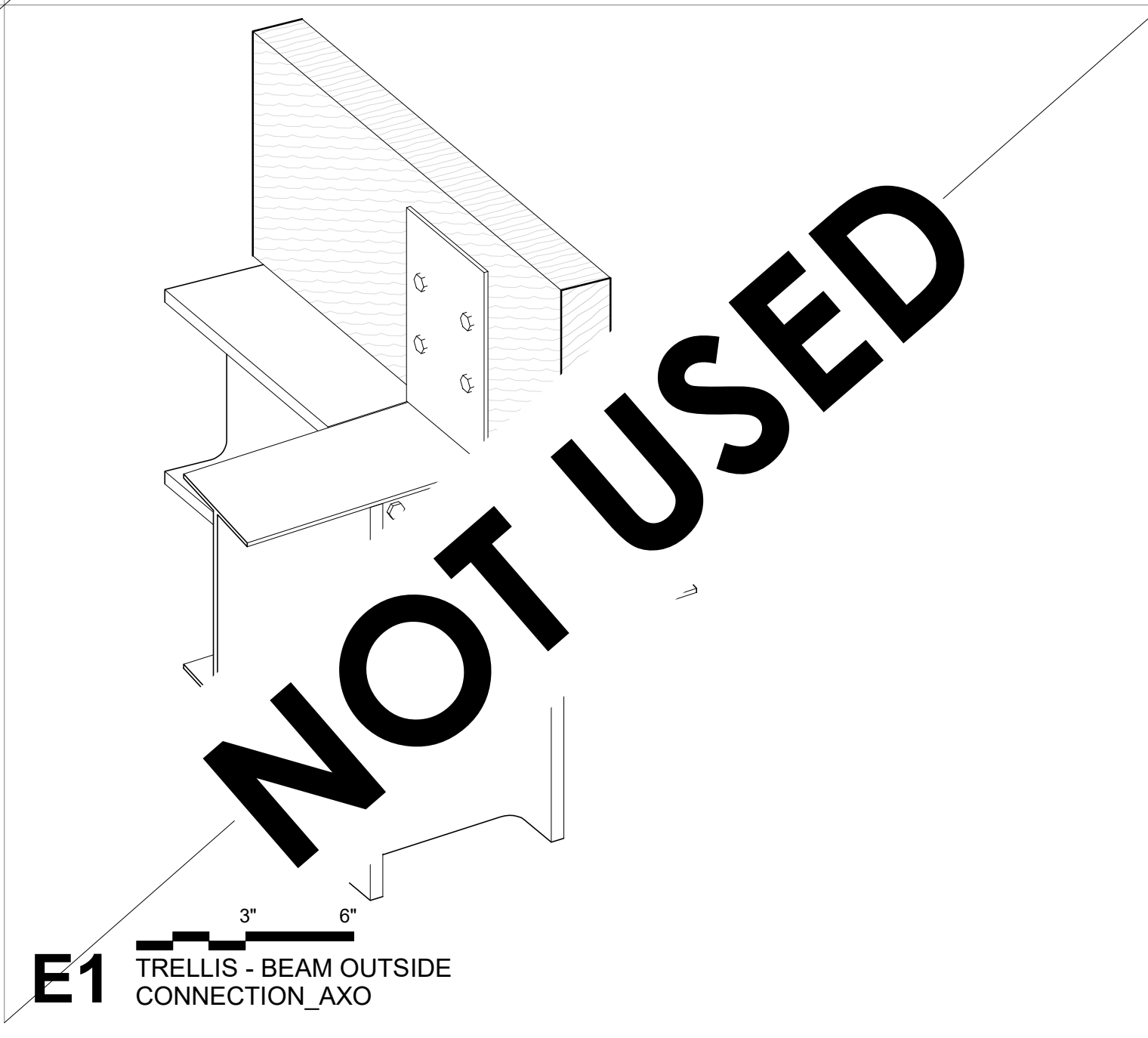
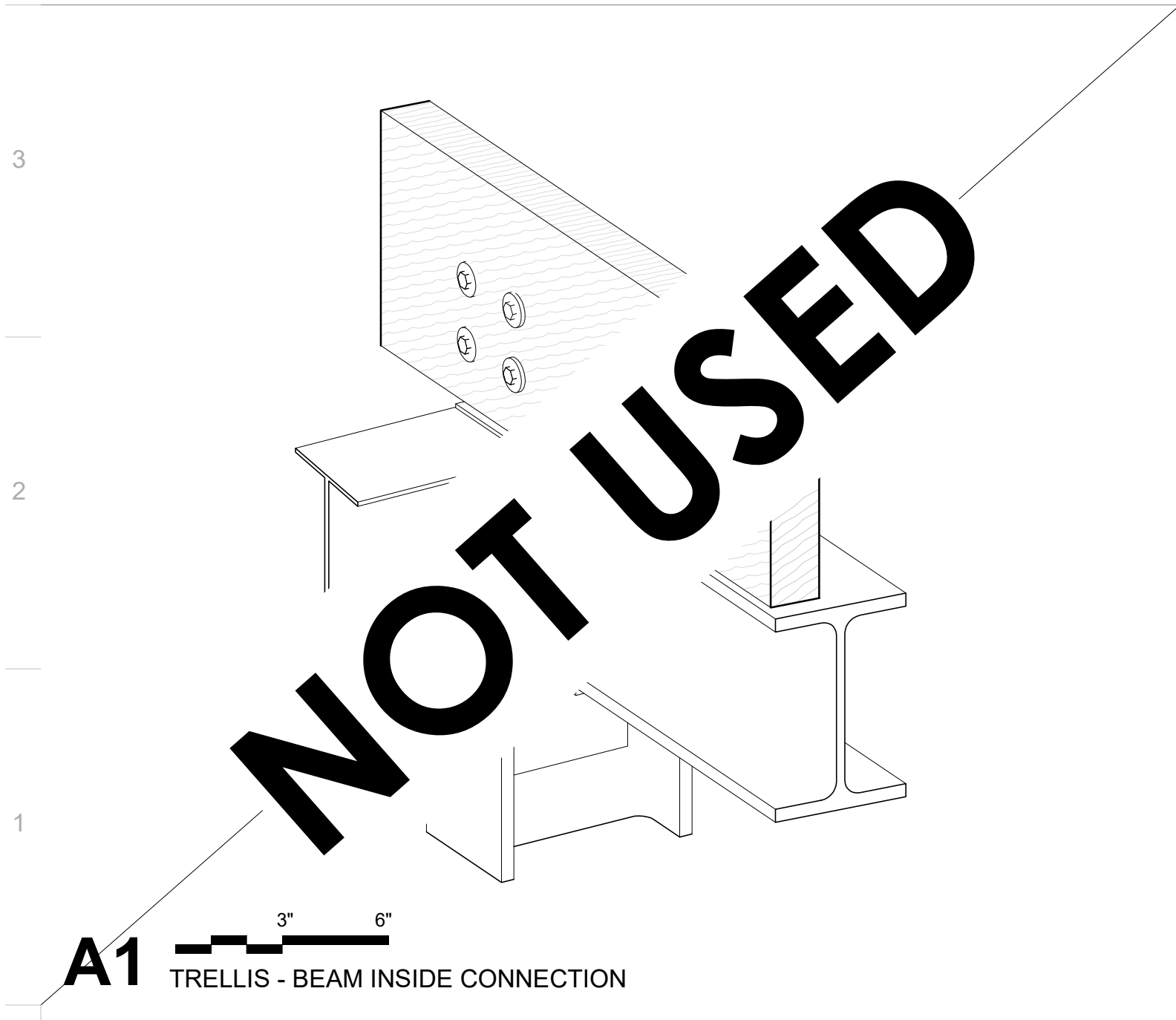
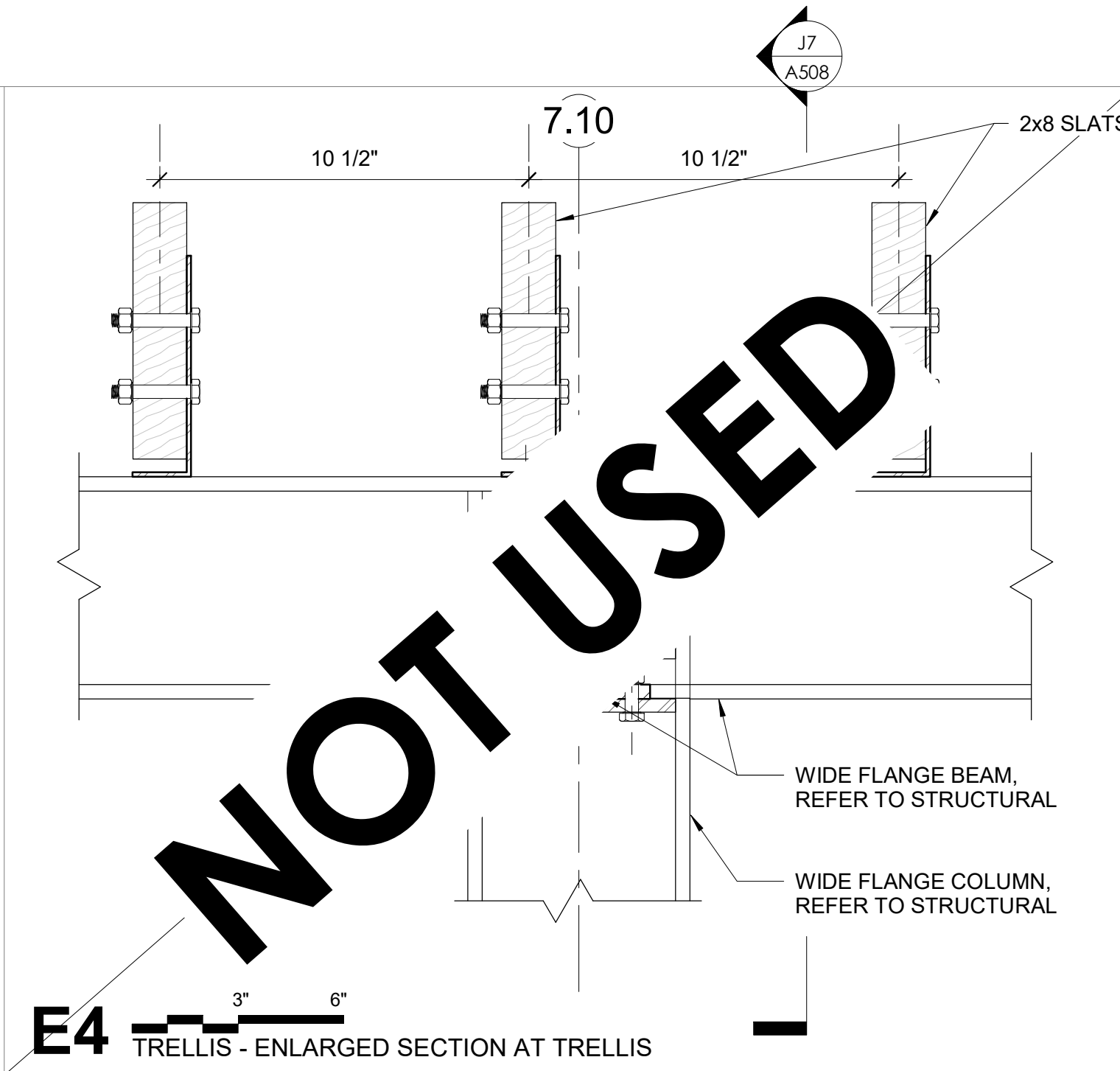
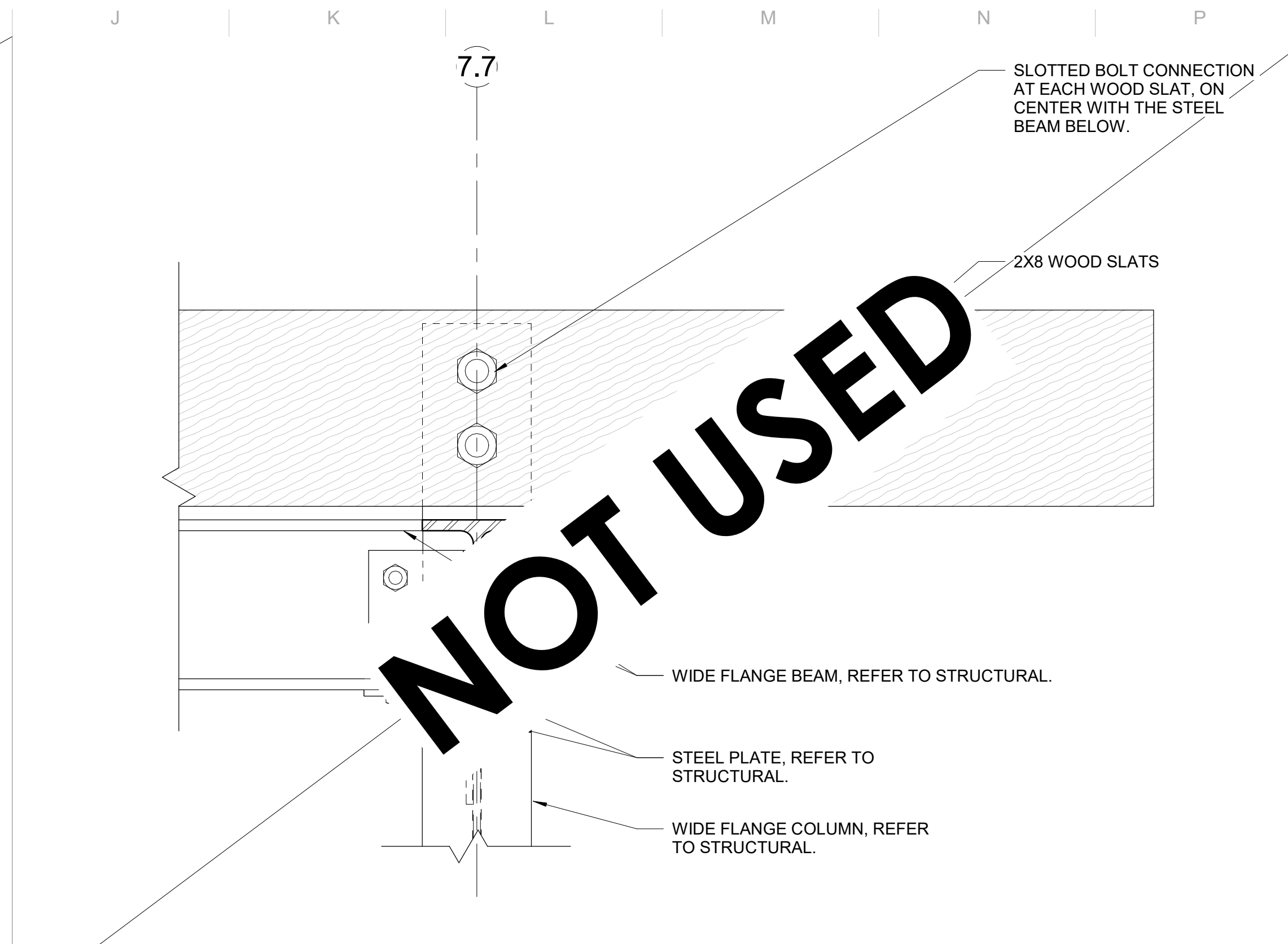
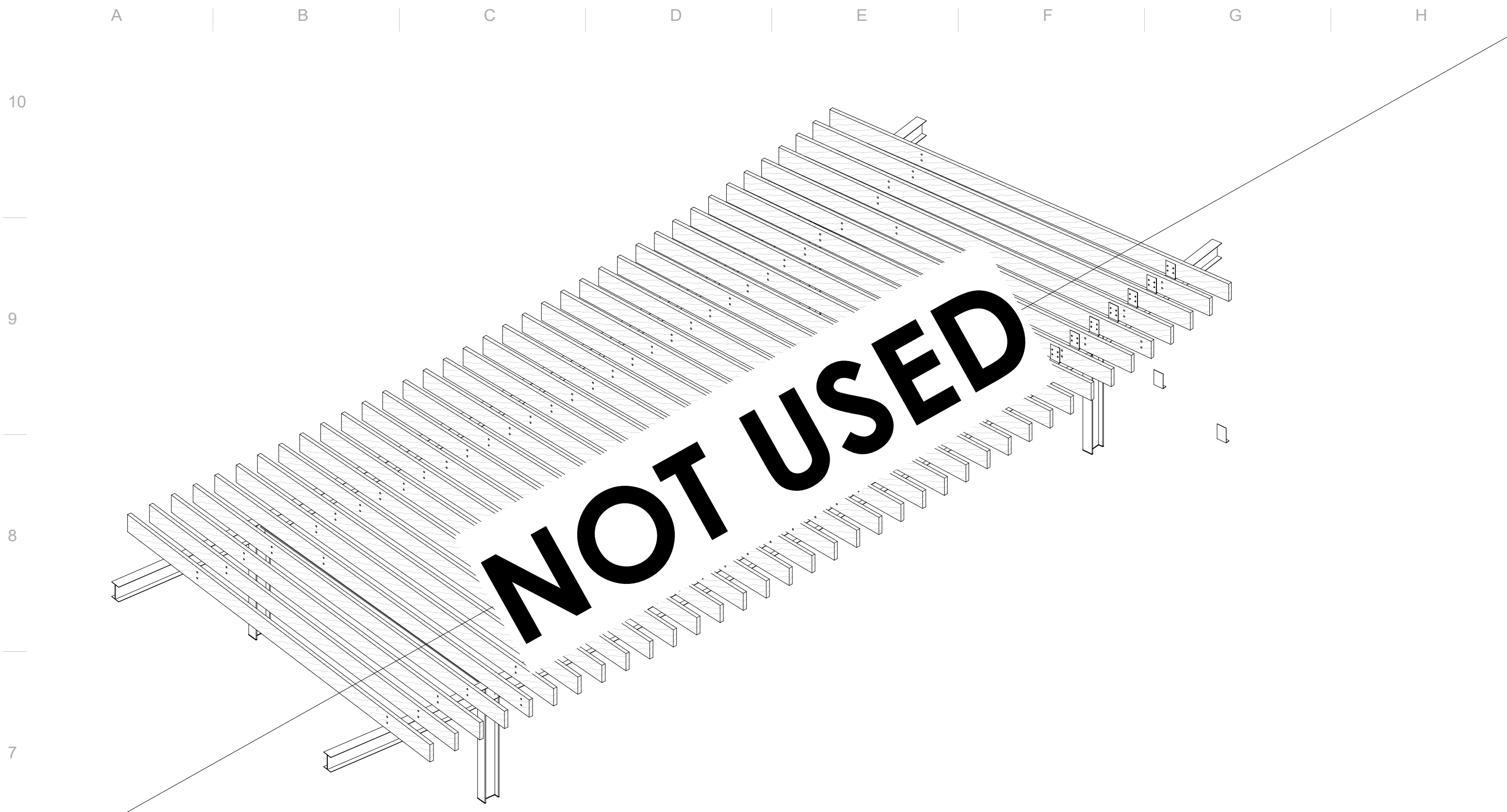
BASE OF WALL AND FOUNDATION DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
 RAILROAD AVENUE, TUCKER, GA 30084

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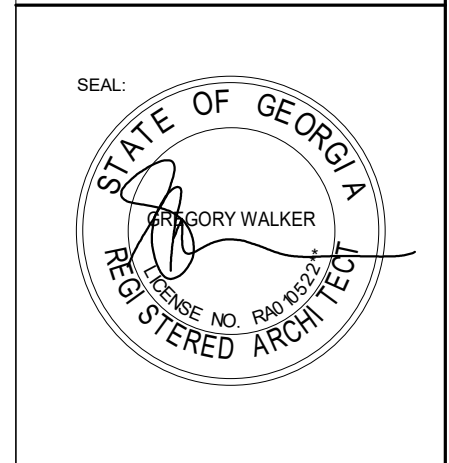
MATERIAL KEYNOTES

GENERAL NOTES

SHEET-SPECIFIC NOTES

BARGE
DESIGN SOLUTIONS

2899 PACER FERRY ROAD | SUITE 6507 | ATLANTA, GA 30339
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HOUSER WALKER
ARCHITECTURE

WALL SECTIONS AT TRELLIS

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

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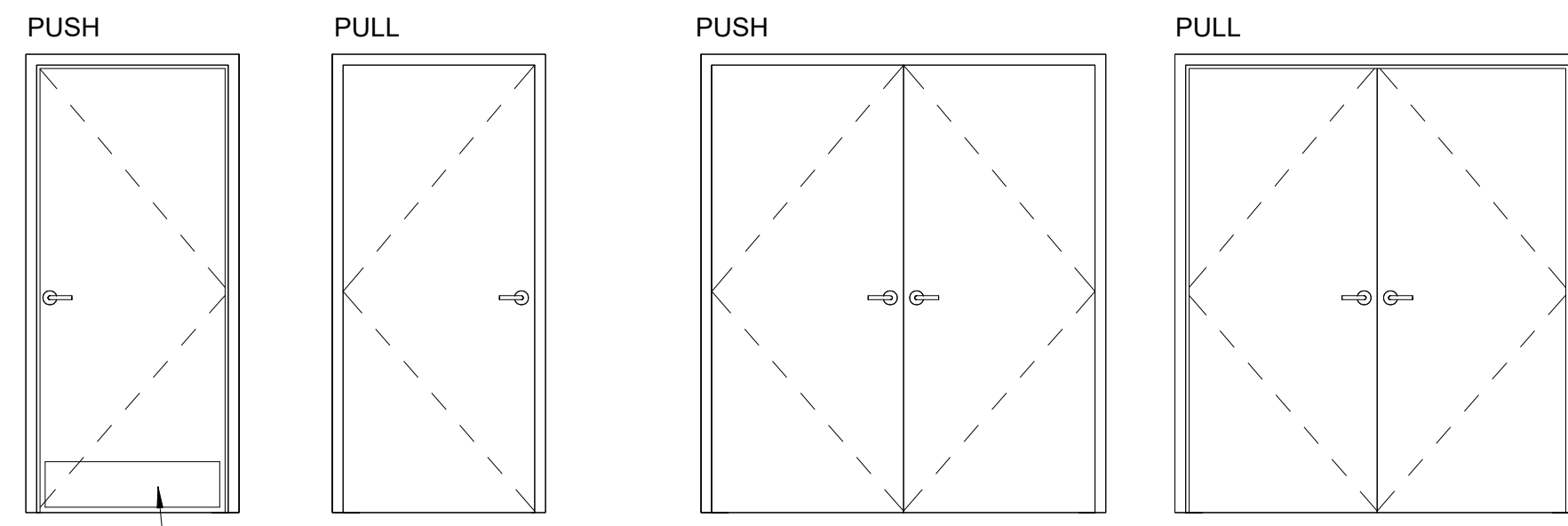
A508

PROJ. NO. 2303

DOOR SCHEDULE:

DOOR NUMBER	WIDTH	HEIGHT	LOCATION	DOOR		FRAME MATERIAL		FIRE RATING	HARDWARE SET	OCC SIGN	COMMENTS
				DOOR MATERIAL	DOOR SPECIFICATION	FRAME SPECIFICATION	FRAME MATERIAL				
C01	3' - 4"	7' - 10"	COMPACTOR ENCLOSURE	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#4		PROVIDE CODED LOCK.
P01	5' - 10"	7' - 10"	PAVILION STORAGE	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#1		
P02	5' - 10"	7' - 10"	PAVILION STORAGE	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#1		
R01	3' - 0"	7' - 10"	UNISEX RESTROOM	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#3	OCC SIGN	PROVIDE SMART DOOR LOCK THAT AUTO LOCKS DOOR WHEN THE PARK CLOSES EACH NIGHT.
R02	3' - 0"	7' - 10"	UNISEX RESTROOM	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#3	OCC SIGN	PROVIDE SMART DOOR LOCK THAT AUTO LOCKS DOOR WHEN THE PARK CLOSES EACH NIGHT.
R03	3' - 0"	7' - 10"	FAMILY RESTROOM	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#3	OCC SIGN	PROVIDE SMART DOOR LOCK THAT AUTO LOCKS DOOR WHEN THE PARK CLOSES EACH NIGHT.
R04	3' - 0"	7' - 10"	CHEMICAL ROOM	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	20MIN	#2		PORTABLE EYE WASH MOUNTED ON DOOR
R05	3' - 0"	7' - 10"	CHEMICAL ROOM	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	20MIN	#2		PORTABLE EYE WASH MOUNTED ON DOOR
R06	3' - 0"	7' - 10"	PUMP ROOM	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#2		
R07	3' - 0"	7' - 10"	FAMILY RESTROOM	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#3	OCC SIGN	PROVIDE SMART DOOR LOCK THAT AUTO LOCKS DOOR WHEN THE PARK CLOSES EACH NIGHT.
R08	3' - 0"	7' - 10"	UTILITY	SEE SPEC	08 11 13.HMD	SEE SPEC	08 11 13.HMF	NA	#2		

DOOR TYPES:



KICK PLATE, AS SPECIFIED

TYPE F1
SINGLE FLUSH DOOR

TYPE F2
DOUBLE FLUSH DOOR

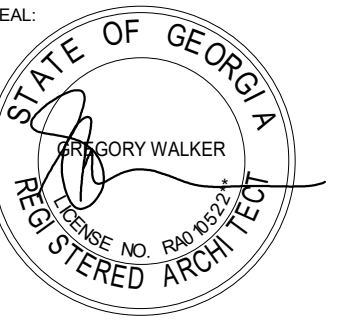
MATERIAL KEYNOTES

GENERAL NOTES

- A. Hardware shown on door types are for location purposes. See specifications for required hardware.
- B. See door schedule for material of door types.
- C. Door type indicated with 'r' is to be fire rated, per the door schedule.
- D. See finish schedule for finish of door frames.

SHEET-SPECIFIC NOTES

- 1. See A101 for additional notes.



HOUSER WALKER
ARCHITECTURE

DOOR SCHEDULE & FINISH SCHEDULE

CITY OF TUCKER
TUCKER TOWN GREEN PARK
RAILROAD AVENUE, TUCKER, GA 30084

REVISION INFORMATION	REV.	DATE	DESCRIPTION
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BARGE
DESIGN SOLUTIONS

2899 PACES FERRY ROAD, SUITE 807 | ATLANTA, GA 30339
PHONE: (770) 250-1011 | FAX: (770) 250-0683

GENERAL

- 1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS.
2. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
4. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
6. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.
7. CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
8. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
9. CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.
10. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
11. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
12. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
13. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
14. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
15. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.
16. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS, SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
17. SUBMITTALS
17.1 SUBMITTALS BY THE CONTRACTOR ARE NOT A PART OF THE CONTRACT DOCUMENTS. PRIOR TO THE INITIAL SUBMITTAL, CONTRACTOR SHALL SUBMIT TO THE DESIGN PROFESSIONAL A SCHEDULE OF SUBMITTED INFORMATION.
17.2 SUBMITTALS SHALL BE ACCOMPANIED BY A TRANSMITTAL LETTER WITH THE FOLLOWING INFORMATION:
PROJECT NAME
CONTRACTOR'S NAME
DATE SUBMITTED
DESCRIPTION OF ITEMS SUBMITTED. IDENTIFY WORK AND PRODUCT BY SPECIFICATION SECTION
NUMBER OF DRAWINGS AND OTHER PERTINENT DATA.
17.3 CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION ON THE SUBMITTAL TO ANY DEVIATION FROM THE CONTRACT DOCUMENTS, CONTRACTOR SHALL STAMP AND SIGN EACH SHEET OF SHOP DRAWINGS AND PRODUCT DATA, AND SIGN OR INITIAL EACH SAMPLE TO CERTIFY COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS. SUBMITTALS RECEIVED WITHOUT THE CONTRACTOR'S STAMP OF REVIEW WILL BE RETURNED TO THE CONTRACTOR FOR REVIEW AND RESUBMITTAL.
17.4 WORK REQUIRING SHOP DRAWINGS, WHETHER CALLED FOR BY THE CONTRACT DOCUMENTS OR REQUESTED BY THE CONTRACTOR, SHALL NOT COMMENCE UNTIL THE SUBMISSION HAS BEEN REVIEWED BY THE DESIGN PROFESSIONAL. WORK MAY COMMENCE IF THE CONTRACTOR VERIFIES THE ACCURACY OF THE DESIGN PROFESSIONAL'S CORRECTIONS AND NOTATIONS AND COMPLIES WITH THEM WITHOUT EXCEPTION AND WITHOUT REQUESTING CHANGE IN CONTRACT SUM OR CONTRACT TIME AT COPY OF THE MARKED STRUCTURAL SHOP DRAWINGS WITH THE DESIGN PROFESSIONAL'S REVIEW STAMP IS TO BE MAINTAINED AT THE JOB SITE.

CODE/DESIGN CRITERIA

- 1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GEORGIA AMENDMENTS.
2. GRAVITY LOADS
2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
STAGE 150 PSF
STAIRS 100 PSF
STORAGE 100 PSF
2.2 UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
ROOF, L 20 PSF
GROUND SNOW LOAD, P_g 5 PSF
SNOW EXPOSURE FACTOR, C_e = 0.9
SNOW LOAD IMPORTANCE FACTOR, I = 1.0
THERMAL FACTOR, C_t = 1.2
RAIN LOAD, R(15-MIN) 6.94 IN./H
PONDING AND DRIFT EFFECTS HAVE BEEN INCLUDED IN THE DESIGN.
2.3 CONCENTRATED FLOOR LOADS: DISTRIBUTED OVER AN AREA OF 2-1/2 FEET BY 2-1/2 FEET, UNLESS NOTED OTHERWISE:
HANDRAIL 50 LBS/FT OR A 200 LB CONCENTRATED LOAD IN ANY DIRECTION
2.4 DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):
ROOF:
ROOFING/INSULATION 9 PSF
MISCELLANEOUS 3 PSF
MEP 3 PSF
3. WIND LOADS:
BASIC DESIGN WIND SPEED, V = 107 MPH
ALLOWABLE DESIGN WIND SPEED, V ASD = 83 MPH
RISK CATEGORY: II
EXPOSURE B
INTERNAL PRESSURE COEFFICIENT = 0.0
SEE COMPONENT AND CLADDING DESIGN WIND PRESSURE DIAGRAM
4. EARTHQUAKE LOADS:
RISK CATEGORY: II
SEISMIC IMPORTANCE FACTOR: I = 1.0
SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_s = 0.187
1 SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_1 = 0.086
SITE CLASS D (ASSUMED)
SHORT PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, S_DS = 0.20
1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, S_D1 = 0.137
SEISMIC DESIGN CATEGORY: C

- PAVILION CANOPY
BASIC SEISMIC-FORCE RESISTING SYSTEM: STEEL ORDINARY CANTILEVER COLUMN SYSTEMS
DESIGN BASE SHEAR: 8 KIPS
SEISMIC RESPONSE COEFFICIENT, C_s = 0.160
RESPONSE MODIFICATION FACTOR, R = 1.25
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
PAVILION MASONRY STORAGE
BASIC SEISMIC-FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALL
DESIGN BASE SHEAR: 4 KIPS
SEISMIC RESPONSE COEFFICIENT, C_s = 0.10
RESPONSE MODIFICATION FACTOR, R = 2
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
RESTROOM CANOPY
BASIC SEISMIC-FORCE RESISTING SYSTEM: STEEL ORDINARY CANTILEVER COLUMN SYSTEMS
DESIGN BASE SHEAR: 3 KIPS
SEISMIC RESPONSE COEFFICIENT, C_s = 0.160
RESPONSE MODIFICATION FACTOR, R = 1.25
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
RESTROOM MASONRY
BASIC SEISMIC-FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALL
DESIGN BASE SHEAR: 16.3 KIPS
SEISMIC RESPONSE COEFFICIENT, C_s = 0.10
RESPONSE MODIFICATION FACTOR, R = 2
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
TRELIS
BASIC SEISMIC-FORCE RESISTING SYSTEM: STEEL ORDINARY CANTILEVER COLUMN SYSTEMS
DESIGN BASE SHEAR: 1 KIP
SEISMIC RESPONSE COEFFICIENT, C_s = 0.160
RESPONSE MODIFICATION FACTOR, R = 1.25
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

Table with columns: DEAD LOAD, LIVE LOAD, DEAD + LIVE LOAD. Rows: ROOF MEMBERS, L/360, L/360, L/240.

- 5. UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:
WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFLECTION WILL BE THE SUM OF THE DEFLECTIONS OF THE SUPPORTED ELEMENTS IN A BAY.
THE CALCULATED DEFLECTION FOR INDIVIDUAL MEMBERS SUPPORTING MASONRY DO NOT EXCEED L/600 FOR DESIGN LOADS APPLIED AFTER THE INSTALLATION OF THE MASONRY.

CODE/DESIGN CRITERIA(cont.)

- 6. SPECIAL INSPECTIONS:
6.1 THE STRUCTURAL TESTING/INSPECTION AGENCY, SEE SPECIFICATION SECTION 014525, WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE. MATERIALS AND WORK TO BE INSPECTED INCLUDE SOIL, CONCRETE, MASONRY, AND STEEL CONSTRUCTION. SEE SPECIFICATION SECTIONS 014525 FOR A COMPLETE LIST OF WORK REQUIRING SPECIAL INSPECTIONS.
6.2 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE ARE REQUIRED FOR STRUCTURAL COMPONENTS AND ASSEMBLIES WHICH ARE NOT FABRICATED AT THE CONSTRUCTION JOB SITE INCLUDING BUT NOT LIMITED TO STRUCTURAL STEEL FRAMING.
6.3 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR ITEMS WHICH ARE PRODUCED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND BY PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH STATES THAT THE FABRICATION WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
6.4 THE PROJECT OWNER WILL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE DURING CONSTRUCTION OF THE PROJECT. DOCUMENTATION THAT SUMMARIZES THE QUALIFICATION AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
6.5 APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE AND TO THE DESIGN PROFESSIONAL WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PERFORMED INCLUDING CORRECTION OF ANY DISCREPANCIES IDENTIFIED DURING INSPECTION SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY CHIEF COMMERCIAL BUILDING INSPECTOR DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION.
6.6 SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.
7. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

FOUNDATION

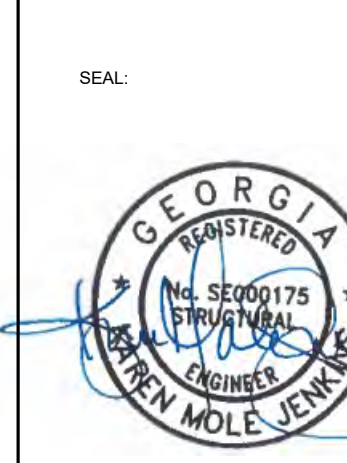
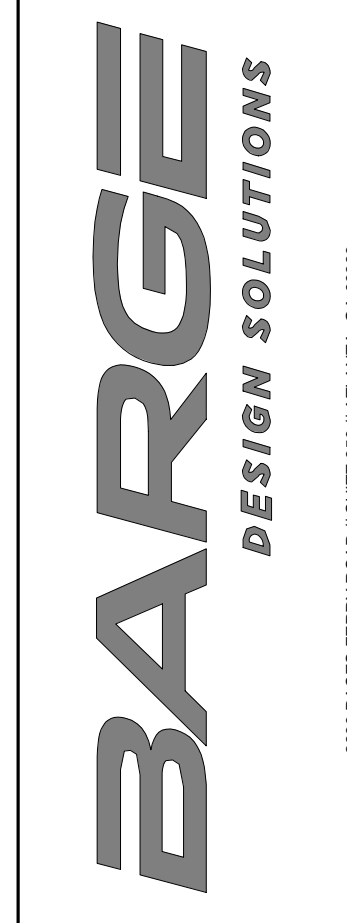
- 1. FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY UNITED CONSULTING, REPORT NUMBER TUCK-23-GA-07852-01 ADDENDUM 1 DATED MARCH 18, 2024. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
2. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.
3. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 2500 PSF AND 2500 PSF, RESPECTIVELY.
3.1 NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.
3.2 PROVIDE TEST HOLES UNDER FOOTINGS AS NOTED IN THE STRUCTURAL DOCUMENTS.
WALLS SUPPORTED AT TOP (AT-REST CONDITION): 64 PCF
WALLS FREE TO DISPLACE AT TOP (ACTIVE CONDITION): 43 PCF
PASSIVE PRESSURE 332 PCF
SLIDING COEFFICIENT OF FRICTION 0.34
4. FOUNDATION WALLS ARE DESIGNED FOR LATERAL PRESSURES DUE TO THE FOLLOWING EQUIVALENT FLUID DENSITIES:
WALLS BELOW GRADE TYPE M
BEARING WALLS TYPE M OR S
MULTI-WYTHE COMPOSITE WALL TYPE M OR S
5. BACKFILL PLACED AGAINST EXTERIOR OR RETAINING WALLS SHALL NOT EXCEED 120 PCF WEIGHT FOR WET UNIT WEIGHT OF SOIL.
6. PROOF ROLL BUILDING AREAS WITH TWO COMPLETE COVERAGES OF A LOADED DUMP-TRUCK OR SCRAPER, REPLACE SOFT AREAS WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.
7. UNDERCUT THE ENTIRE BUILDING AREAS TO THE MINIMUM DEPTH OF 6' BENEATH STRUCTURE AND 6' BEYOND THE STRUCTURES FOOTPRINT. REMEDIATION SHOULD INCLUDE REMOVAL AND RECOMPACTION OR REPLACEMENT OF THESE MATERIALS WITH NEW ENGINEERED FILL, TO ATLEAST THE DEPTH OF FIRM RESIDUAL OR ALLUVIAL SOILS OR TO A MAXIMUM DEPTH THAT ALLOWS FOR AT LEAST 6 FEET OF NEW ENGINEERED FILL BELOW THE PLANNED FOUNDATION BEARING ELEVATIONS.
8. IN ADDITION, SETTLEMENT MONITORING SHOULD BE PERFORMED IN THE STRUCTURE AREAS WHERE MORE THAN 2 FEET OF NEW FILL WILL BE PLACED TO REACH THE PROPOSED GRADES. SEE GEOTECHNICAL REPORT FOR SETTLEMENT MONITORING.
9. STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 4'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN LIFTS OF THICKNESS DETERMINED BY THE INDEPENDENT TESTING AGENCY AND COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. THE TOP 12" SUB-BASE UNDER SLABS ON GRADE SHALL BE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL BACKFILL, COMPACTION AND PROOF ROLLING OPERATIONS SHALL BE OBSERVED BY AN INDEPENDENT TESTING LABORATORY. STRUCTURAL FILL SOIL DENSITY SHALL BE 120 PCF.
10. SLABS-ON-GRADE SHALL BE PLACED ON A 4" GRANULAR BASE, COMPACTED TO 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698, AND COVERED WITH A CONTINUOUSLY SEALED VAPOR BARRIER. SEE ARCHITECT FOR THICKNESS OF VAPOR BARRIER THE BASE FOR SLABS-ON-GRADE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO EACH PLACEMENT OF CONCRETE.
11. BACKFILL SHALL NOT BE PLACED AGAINST EXTERIOR OR RETAINING WALLS UNTIL THE WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND THEIR LATERAL SUPPORT ELEMENTS ARE INSTALLED. PROVIDE ADEQUATE DRAINAGE AT BASEMENT AND RETAINING WALLS (SEE ARCHITECTURAL).
12. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.
13. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 12" BELOW FINISHED GRADE.

CAST-IN-PLACE CONCRETE

- 1. CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH:
2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:
FOOTINGS 3000 PSI F0
SLABS-ON-GRADE 4000 PSI F0
RETAINING WALL 4500 PSI F2
3. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS INCLUDING CROSSING UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS. ALL PIPES AND DUCTS SHALL BE PLACED IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE IN THE STRUCTURAL DOCUMENTS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC.
4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
5. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
6. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.016 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE DESIGN PROFESSIONAL.

REINFORCEMENT

- 1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 AND HAVE MINIMUM SIDE AND END LAPS OF 8".
3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
4. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
5. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
6. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
6.1 CONCRETE REINFORCEMENT COVER
EXPOSED TO EARTH OR WEATHER:
UNFORMED CAST AGAINST EARTH 3" CLEAR
FORMED #6 AND LARGER 2" CLEAR
FORMED #5 AND SMALLER 1-1/2" CLEAR
NOT EXPOSED TO EARTH OR WEATHER:
SLABS 3/4" CLEAR
6.2 MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF THE WALL UNLESS NOTED OTHERWISE.
7. REINFORCING STEEL DESIGNATED CONTINUOUS SHALL BE LAPPED AS FOLLOWS:
CONCRETE REINFORCEMENT: CLASS B TENSION LAP
MASONRY REINFORCEMENT: SEE DETAIL 1/S401
8. ADHESIVE FOR REINFORCING DOWELS IN EXISTING CONCRETE SHALL CONFORM TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. REINFORCING INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
9. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.
10. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS, UNLESS SHOWN OTHERWISE IN DETAILS.
CONCRETE MASONRY
1. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF ASTM C90 CONCRETE MASONRY UNITS SHALL BE FM = 2000 PSI.
2. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY = 2000 PSI. NET AREA COMPRESSIVE STRENGTH OF CLAY MASONRY = 2000 PSI
3. MORTAR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND ASTM C270. MORTAR SHALL BE OF THE FOLLOWING TYPE:
WALLS BELOW GRADE TYPE M
BEARING WALLS TYPE M OR S
MULTI-WYTHE COMPOSITE WALL TYPE M OR S
4. CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT FOR REINFORCED AND NONREINFORCED MASONRY SHALL CONFORM TO ASTM C476.
5. PROVIDE HORIZONTAL LADDER-TYPE JOINT REINFORCEMENT WITH NO. 3 GAGE DEFORMED LONGITUDINAL WIRES AT 16" C/C VERTICALLY AND AT 8" BELOW GRADE, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, INTERSECTIONS, ETC. LONGITUDINAL WIRES SHALL BE PLACED IN THE MORTAR JOINTS.
6. PROVIDE OPEN BOTTOM BEAM BLOCK UNITS WITH 3" DEEP MINIMUM WEB OPENINGS AT HORIZONTAL REINFORCEMENT LOCATIONS. A MINIMUM CLEAR SPACE OF ONE BAR DIAMETER SHALL BE PROVIDED BETWEEN THE REINFORCING BARS AND THE FACE OF MASONRY UNITS.
7. PROVIDE CONTROL JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE DESIGN PROFESSIONAL AT A MAXIMUM SPACING OF 3 TIMES THE WALL HEIGHT OR 25'-0", WHICHEVER IS LESS.
8. PROVIDE DOVETAIL ANCHORS AT 16" C/C, UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES.
9. SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY CONSTRUCTION.
10. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5@32" CENTERED, UNLESS NOTED OTHERWISE.
11. MINIMUM VERTICAL WALL REINFORCEMENT FOR INTERIOR NON-LOAD BEARING PARTITION WALLS SHALL BE #4@48" CENTERED, UNLESS NOTED OTHERWISE.
12. MINIMUM VERTICAL WALL REINFORCEMENT FOR MULTI-WYTHE COMPOSITE MASONRY WALLS SHALL BE #5@32" CENTERED, UNLESS NOTED OTHERWISE.
13. MINIMUM NUMBER OF TIES FOR MULTI-WYTHE COMPOSITE MASONRY WALL REQUIRED
W1.7 PER 2 3/4 SQFT OF MASONRY SURFACE AREA
W2.8 PER 4 1/2 SQFT OF MASONRY SURFACE AREA
14. MAXIMUM SPACING BETWEEN TIES SHALL BE 36IN HORIZONTALLY AND 24IN VERTICAL. Z-TIES SHALL NOT BE PERMITTED.
15. SUBMIT SHOP DRAWINGS FOR MASONRY REINFORCEMENT IN ACCORDANCE WITH SPECIFICATION SECTION 032000.



STRUCTURAL GENERAL NOTES

CITY OF TUCKER
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S001

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, UNLESS NOTED OTHERWISE.
 - STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE C.
 - STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A500, GRADE C.
 - STRUCTURAL CHANNELS, MISCELLANEOUS PLATES AND CONNECTION MATERIAL SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.
2. BOLTS AND ANCHORS:
 - 2.1 BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE) WITH MINIMUM 3/4" DIAMETER F3125 BOLTS. SUBMIT PROPOSED BOLT TIGHTENING PROCEDURE FOR REVIEW. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2014 (SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS).
 - 2.2 ANCHOR BOLTS SHALL BE HEADED BOLTS CONFORMING TO ASTM F1554 GRADE 36 AND SHALL BE HEADED RODS OR THREADED RODS WITH HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, GRADE A563A, UNLESS NOTED OTHERWISE.
 - 2.3 EXPANSION ANCHORS SHALL HAVE BEEN EVALUATED BY THE ICC EVALUATION SERVICES, INC (ICC-ES) WITH A PUBLISHED EVALUATION REPORT. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 193 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. ALL ANCHORS SHALL BE APPROVED FOR RESISTING WIND AND SEISMIC LOADS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
 - 2.4 ADHESIVE ANCHORS SHALL CONSIST OF AN ALL-THREAD STEEL ANCHOR WITH ADHESIVE CONFORMING TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
3. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION VALUES SHOWN ON THE STRUCTURAL DRAWINGS. FOR STEEL MEMBERS WHOSE REACTIONS ARE NOT SHOWN, THE DESIGN REACTION SHALL BE OBTAINED FROM THE TABLES ENTITLED "MAXIMUM TOTAL UNIFORM LOAD" IN PART 3 OF THE AISC "MANUAL OF STEEL CONSTRUCTION", FIFTEENTH (15TH) EDITION. THE DESIGN REACTION IS EQUAL TO HALF THE TABULATED VALUE FOR NONCOMPOSITE BEAMS AND EQUAL TO THE TABULATED VALUE FOR COMPOSITE BEAMS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL. DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR. STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR. THIS DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. SHOP DRAWINGS AND CALCULATIONS FOR SUCH CONNECTIONS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. FOR CONNECTION DETAILS DEPICTING ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT COMPLETE DETAILS, THE CONNECTION DESIGN ENGINEER SHALL FOLLOW THAT ARRANGEMENT CONCEPT IN THE DESIGN. SINGLE ANGLE CONNECTIONS ARE NOT ACCEPTABLE.
5. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY D1.1/D1.1M-2015. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
6. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED, UNO. SEE ARCH FOR FINISHES.

WOOD

1. WOOD FRAMING SHALL BE SOUTHERN PINE, NO. 2 K.D. (15% MAX. MOISTURE CONTENT) OR EQUIVALENT. MINIMUM ALLOWABLE BENDING STRESS SHALL BE PER NDS.
2. STRUCTURAL GLUED LAMINATED TIMBER SHALL BE PRODUCED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC). MINIMUM ALLOWABLE BENDING STRESS SHALL BE PER NDS (DRY CONDITIONS).
3. CONNECTIONS FOR STRUCTURAL TIMBER SHALL BE GALVANIZED STRONG-TIE CONNECTORS BY THE SIMPSON COMPANY OR APPROVED EQUAL. INSTALL ALL CONNECTORS PER MANUFACTURER'S REQUIREMENTS. SUBMIT PRODUCT DATA FOR CONNECTIONS TO BE UTILIZED AT EACH CONDITION. INSTALL ALL CONNECTORS PER MANUFACTURER'S REQUIREMENTS. REFER TO THE CONNECTOR DETAILS CALLED OUT IN STRUCTURAL DETAILS.
4. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-TREATED SOUTHERN PINE. USE GALVANIZED NAILS WITH COATING CONFORMING TO ASTM A653, TYPE G185 IN PRESSURE-TREATED WOOD.
5. PLYWOOD DIAPHRAGMS SHALL BE EITHER STRUCTURAL I OR II SOUTHERN PINE PLYWOOD WITH THICKNESS AS NOTED IN THE STRUCTURAL DOCUMENTS. PLYWOOD SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE.
6. PLYWOOD SHALL BE ORIENTED AND NAILED TO SUPPORTING MEMBERS AS NOTED IN THE STRUCTURAL DOCUMENTS.
7. PLYWOOD SHALL BE PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION (APA). THE MINIMUM THICKNESSES WHICH FOLLOW SHALL BE INCREASED AS REQUIRED TO SATISFY ARCHITECTURAL REQUIREMENTS.
 - 7.1 ROOF SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE 1, 48"x96". FOR SUPPORTS 24" OC USE 15/32" 32/16 PLYWOOD. FOR SUPPORTS 16" OC USE 7/16" 24/16 PLYWOOD. PLYWOOD SHALL BE TONGUE AND GROOVE OR BE INSTALLED WITH PANEL CLIPS IN ACCORDANCE WITH APA RECOMMENDATIONS. WHERE ALLOWABLE SPANS ARE EXCEEDED AT ROOF SLOPE TRANSITIONS, PROVIDE SPECIALLY DESIGNED SUPPLEMENTAL MEMBERS AS REQUIRED. SHEATHING SHALL BE INSTALLED WITH THE LONG EDGE ACROSS A MINIMUM OF THREE SUPPORTING MEMBERS. SUPPORT AND STAGGER EDGES OF PLYWOOD PARALLEL TO SUPPORTING MEMBER. PROVIDE CONTINUOUS BLOCKING AT PERIMETER OF EACH DIAPHRAGM PLANE (INCLUDING ROOF SLOPE TRANSITIONS) AND AROUND OPENINGS. FASTEN SHEATHING WITH 8d NAILS AT 6" OC AT SUPPORTED EDGES UNO AND AT 12" OC AT INTERMEDIATE SUPPORTS. AN 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS. PROTECT EDGES AGAINST EXPOSURE TO WEATHER OR USE EXTERIOR GRADE PLYWOOD. COVER SHEATHING AS SOON AS POSSIBLE WITH ROOFING FELT OR SHINGLE UNDERLAYMENT FOR PROTECTION AGAINST EXCESSIVE MOISTURE PRIOR TO ROOFING INSTALLATION.
8. FASTENING SCHEDULE SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 IN THE INTERNATIONAL BUILDING CODE, 2018 EDITION, UNLESS OTHERWISE SPECIFIED. ALL NAILS SHALL BE COMMON WIRE NAILS.
9. BOLTS FOR WOOD CONNECTIONS SHALL CONFORM TO ASTM A307.

DEFERRED SUBMITTALS

1. DEFERRED SUBMITTALS ARE THOSE PORTIONS OF THE DESIGN WHICH ARE NOT SUBMITTED AT THE TIME OF PERMIT APPLICATION AND WHICH ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITHIN A SPECIFIED PERIOD.
2. SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD THROUGH THE ARCHITECT AND GENERAL CONTRACTOR. ONCE THE SUBMITTAL DOCUMENTS HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS, THE ENGINEER OF RECORD WILL FORWARD THEM TO THE ARCHITECT WITH A NOTATION INDICATING THAT THEY ARE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE ARCHITECT WILL FORWARD THE DEFERRED SUBMITTAL DOCUMENTS TO THE GENERAL CONTRACTOR WHO WILL MAINTAIN ONE SET ON SITE FOR REFERENCE BY THE BUILDING INSPECTOR. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
3. DEFERRED SUBMITTALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS, CALCULATIONS, DESIGN LOAD DATA AND SUPPORT REACTIONS OF THE COMPONENTS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE.
4. ITEMS THAT ARE SUBMITTED FOR CONSIDERATION AS DEFERRED SUBMITTALS ARE AS FOLLOWS:
 - a. STEEL CONNECTION DESIGN
 - b. PREFABRICATED HANDRAILS AND GUARDRAILS

BARGE
DESIGN SOLUTIONS

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SEAL:



STRUCTURAL GENERAL NOTES

CITY OF TUCKER
TUCKER TOWN GREEN
4226 RAILROAD AVENUE, TUCKER, GA 30084

SHEET REVISIONS		DATE
#	DESCRIPTION	05/21/2024
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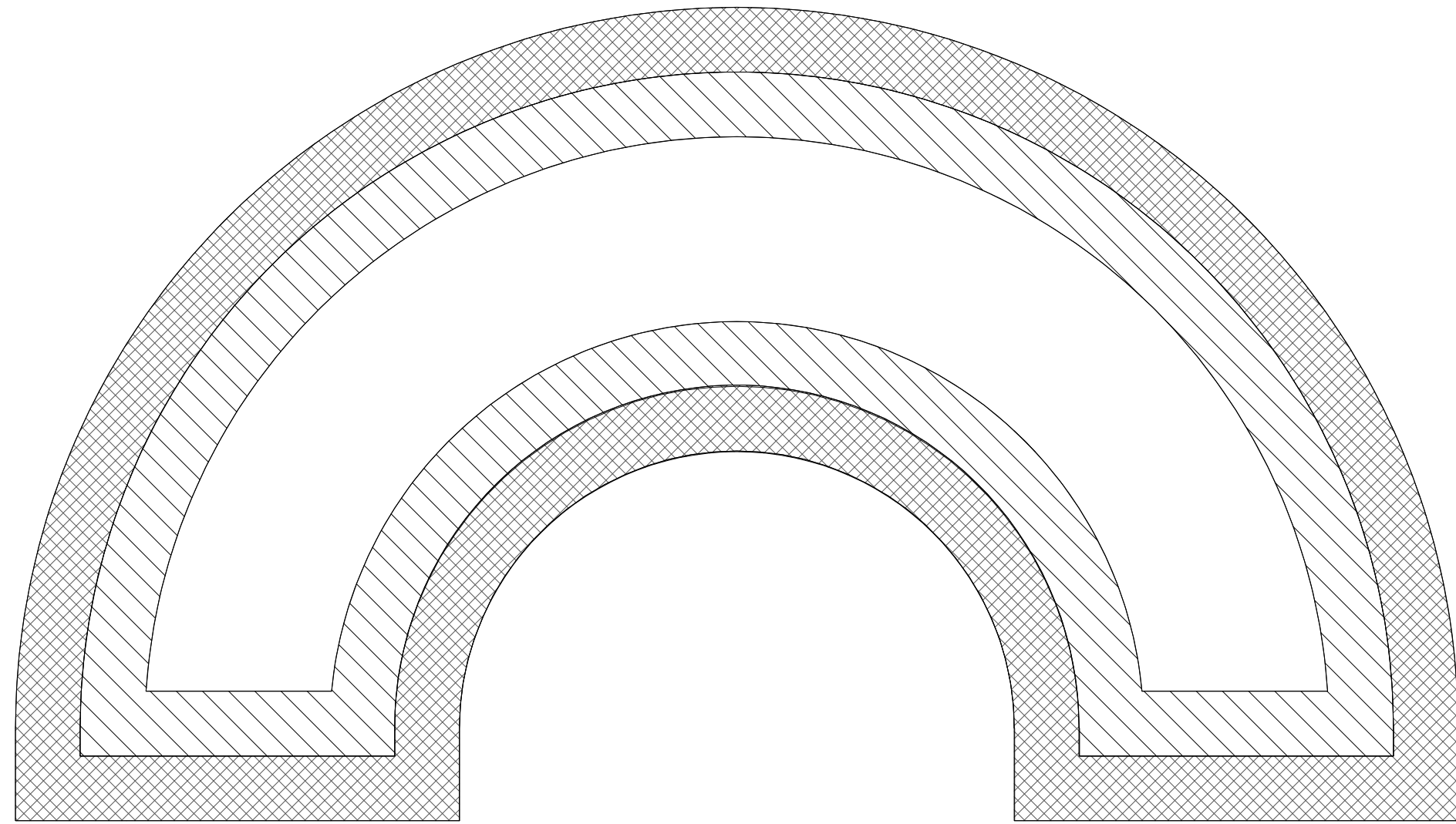
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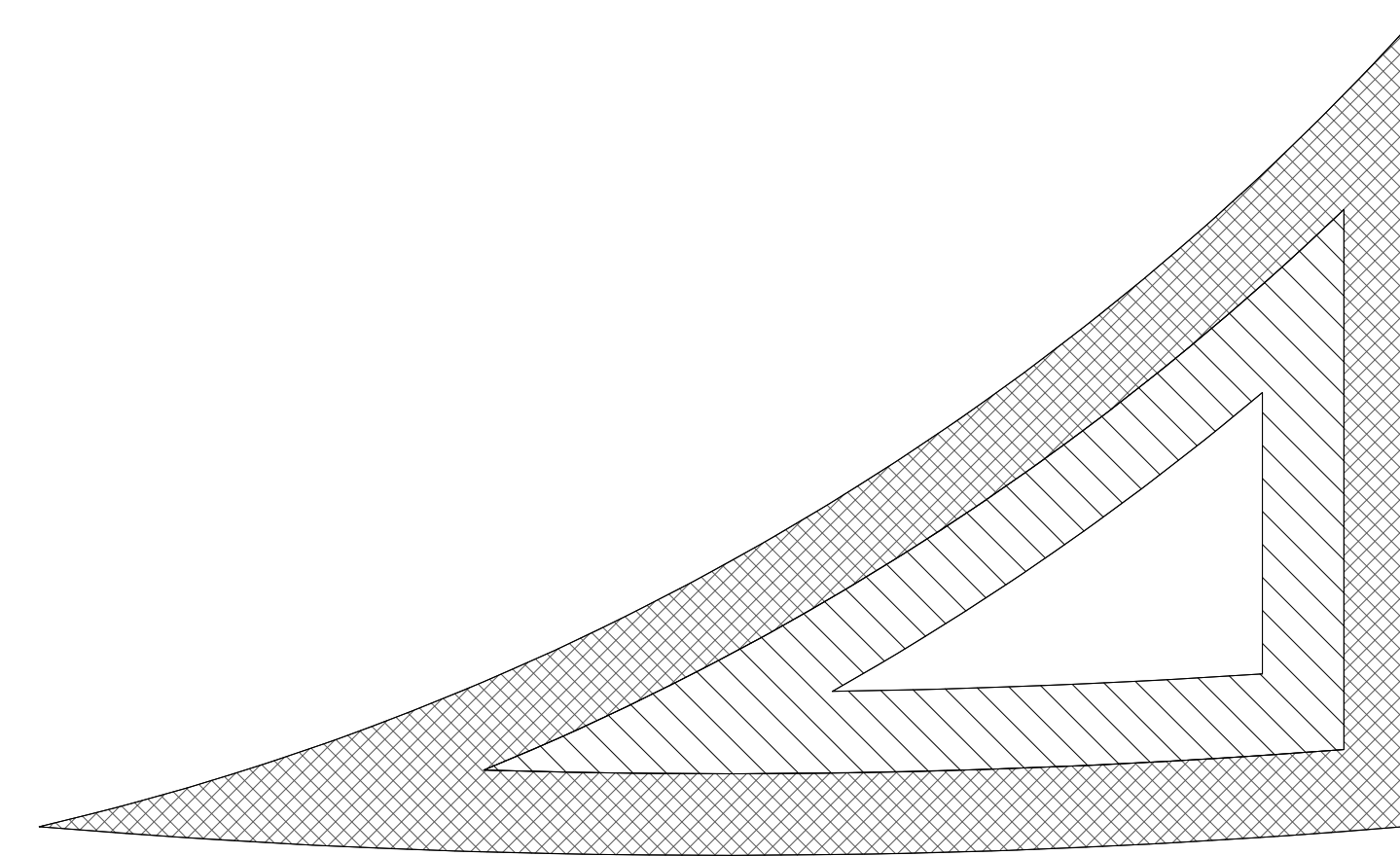
SEAL:



PAVILION CANOPY

EFFECTIVE WIND AREA	COMPONENTS AND CLADDING ULTIMATE WIND PRESSURE SCHEDULE (PSF)				
	ROOF			WALL	
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
25 SF	-18.0/+21.0	-28.0/+31.0	-28.0/+31.0	-16/+16	-25/+16

SCHEDULE NOTES:
1. (+) AND (-) SIGNS INDICATE PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACE, RESPECTIVELY.



RESTROOM CANOPY

EFFECTIVE WIND AREA	COMPONENTS AND CLADDING ULTIMATE WIND PRESSURE SCHEDULE (PSF)				
	ROOF			WALL	
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
25 SF	-17.0/+18.0	-26.0/+27.0	-26.0/+27.0	-16/+16	-25/+16

SCHEDULE NOTES:
1. (+) AND (-) SIGNS INDICATE PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACE, RESPECTIVELY.

ABBREVIATIONS

ABT ABOUT	(E) EXISTING	IF INSIDE FACE	OC ON CENTER	T&B TOP AND BOTTOM
ACI AMERICAN CONCRETE INSTITUTE	EA EACH	IBC INTERNATIONAL BUILDING CODE	OD OUTSIDE DIAMETER	T/O TOP OF
ADDL ADDITIONAL	EF EACH FACE	ICC INTERNATIONAL CODE COUNCIL	OP OUTSIDE FACE	THK THINK
AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EL ELEVATION	ID INSIDE DIAMETER	OPNG OPENING	THRU THROUGH
ALT ALTERNATE	ELEC ELECTRICAL	IE INVERT ELEVATION	OPP OPPOSITE	TYP TYPICAL
APPROX APPROXIMATE	ENGR ENGINEER	IN INCH	OSH OVERSIZED HOLE	
ARCH ARCHITECTURAL/ARCHITECT	EOD EDGE OF DECK	INT INTERIOR		UL UNDERWRITER'S LABORATORIES
ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS	EOR ENGINEER OF RECORD		PCF POUNDS PER CUBIC FOOT	UNO UNLESS NOTED OTHERWISE
ASTM AMERICAN SOCIETY FOR TESTING MATERIALS	EOS EDGE OF SLAB	JT JOINT	PE PROFESSIONAL ENGINEER	
AWS AMERICAN WELDING SOCIETY	EQ EQUAL	K KIP(S)	PERIM PERIMETER	VERT VERTICAL
	EQUIP EQUIPMENT	KSF KIPS PER SQUARE FOOT	PJF PREMOLDED JOINT FILLER	W WITH
B BOTTOM OF	EW EACH WAY	KSI KIPS PER SQUARE INCH	PL PLATE	W/O WITHOUT
BLDG BUILDING	EXP EXPANSION		PLCS PLACES PER LINEAR FOOT	WP WORKING POINT
BM BEAM	EXT EXTERIOR	(LLH) LONG LEG HORIZONTAL (ANGLE)	PLF PREFABRICATED	WS WATERSTOP
BOTT BOTTOM		(LLV) LONG LEG VERTICAL (ANGLE)	PSF POUNDS PER SQUARE FOOT	WWF WELDED WIRE FABRIC
BRG BEARING	FD FLOOR DRAIN	(LSH) LONG SIDE HORIZONTAL (HSS)	PSI POUNDS PER SQUARE INCH	
BTWN BETWEEN	FDN FOUNDATION	(LSV) LONG SIDE VERTICAL (HSS)	PT POINT	
C/C CENTER TO CENTER	FF FINISHED FLOOR	LB POUND	R RADIUS	
CALC CALCULATION(S)	FG FINISHED GRADE	LF LINEAR FEET	RD ROOF DRAIN	
CHKD CHECKED	FIN FINISH	LL LIVE LOAD	REF REFERENCE	
CIP CAST-IN-PLACE CONCRETE	FLG FLANGE	LOC LOCATION	REINF REINFORCING	
CJ CONSTRUCTION CONTROL JOINT	FLR FLOOR	LONG LONGITUDINAL	REQD REQUIRED	
CJP COMPLETE JOINT PENETRATION	FRMG FRAMING	LP LOW POINT	RET RETURN	
CL CENTERLINE	FRP FIBER REINFORCED PLASTIC	LSH LONG SLOTTED HOLE	REV REVISION	
CLR CLEAR, CLEARANCE	FS FAR SIDE	M MOMENT	RO ROUGH OPENING	
COL COLUMN	FT FOOT	MAX MAXIMUM	RTU ROOFTOP UNIT	
CONC CONCRETE	FTG FOOTING	MC MOMENT CONNECTION		
CONN CONNECTION	FV FIELD VERIFY	MECH MECHANICAL	SC SCHEDULE	
COORD COORDINATE	GA GAGE, GAUGE	MFC MANUFACTURED	SECT SECTION	
CRSI CONCRETE REINFORCING STEEL INSTITUTE	GALV GALVANIZED (HOT DIP)	MFR MANUFACTURER	SHT SHEET	
CTR CENTER	GRTG GRATING	MIN MINIMUM	SIM SIMILAR	
CTRD CENTERED		MISC MISCELLANEOUS	SL SLOPE	
	(H) HORIZONTAL BEAM ORIENTATION	MTD MOUNTED	SPCS SPACES	
DBA DEFORMED BAR ANCHOR	HCA HEADED CONCRETE ANCHOR	MTL METAL	SPEC(S) SPECIFICATION(S)	
DBL DOUBLE	HDR HEADER	N&F NEAR AND FAR	SQ SQUARE	
DEG DEGREES	HGR HANGER	N/A NOT APPLICABLE	SS STAINLESS STEEL	
DET DETAIL	HORIZ HORIZONTAL	NIC NOT IN CONTRACT	SSH SHORT SLOTTED HOLE	
DIA DIAMETER	HP HIGH POINT	NO/NO. NUMBER	STIF STIFFENER	
DIAG DIAGONAL	HSB HIGH STRENGTH BOLT	NOM NOMINAL	STL STEEL	
DIR DIRECTION		NS NEAR SIDE	STRUCT STRUCTURAL	
DL DEAD LOAD		NTS NOT TO SCALE	SYM SYMMETRICAL	
DWG DRAWING				

UL UNDERWRITER'S LABORATORIES	UNO UNLESS NOTED OTHERWISE
VERT VERTICAL	W WITH
W/O WITHOUT	WP WORKING POINT
WS WATERSTOP	WWF WELDED WIRE FABRIC

STEEL COLUMN/FOOTING TYPE INDICATOR

COL	SIZE STEEL COLUMN SIZE
BP-X	BASE PLATE MARK
FX-X (-'-0")	FOOTING MARK (T/FTG ELEVATION)
P-X (-'-0")	PEDESTAL MARK (T/PEDESTAL ELEVATION)

FOUNDATION STEP INDICATOR

⊕	('-x'-)	T/FOOTING ELEVATION
⊖	('-x'-)	T/FOOTING ELEVATION

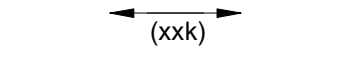
OPENING IN FLOOR OR ROOF



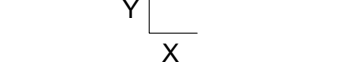
RECESS/DEPRESSION INDICATOR



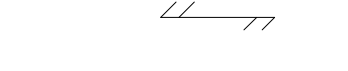
STRUCTURAL STEEL CONNECTION AXIAL FORCE



SLOPE INDICATOR



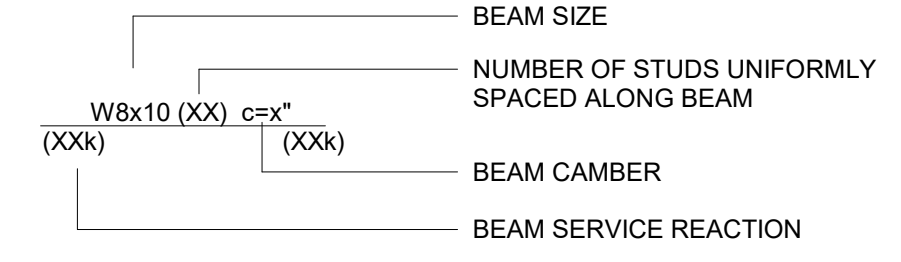
CONCRETE SLAB/METAL DECK SPAN INDICATOR



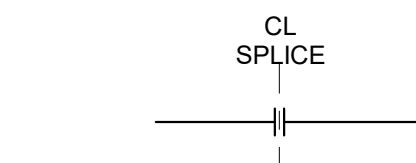
STRUCTURAL STEEL MOMENT CONNECTION



STRUCTURAL STEEL BEAM DESIGNATION



STRUCTURAL STEEL BEAM SPLICE DESIGNATION



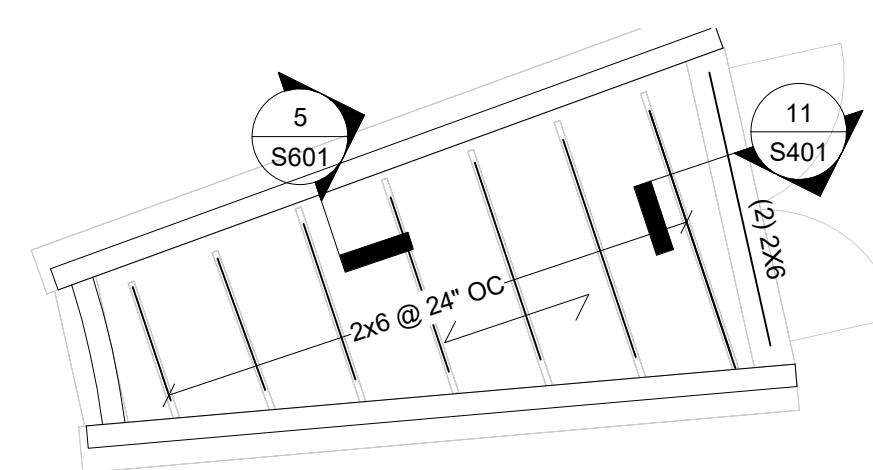
ABBREVIATIONS, WIND DIAGRAM & LEGEND

CITY OF TUCKER
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SHEET REVISIONS

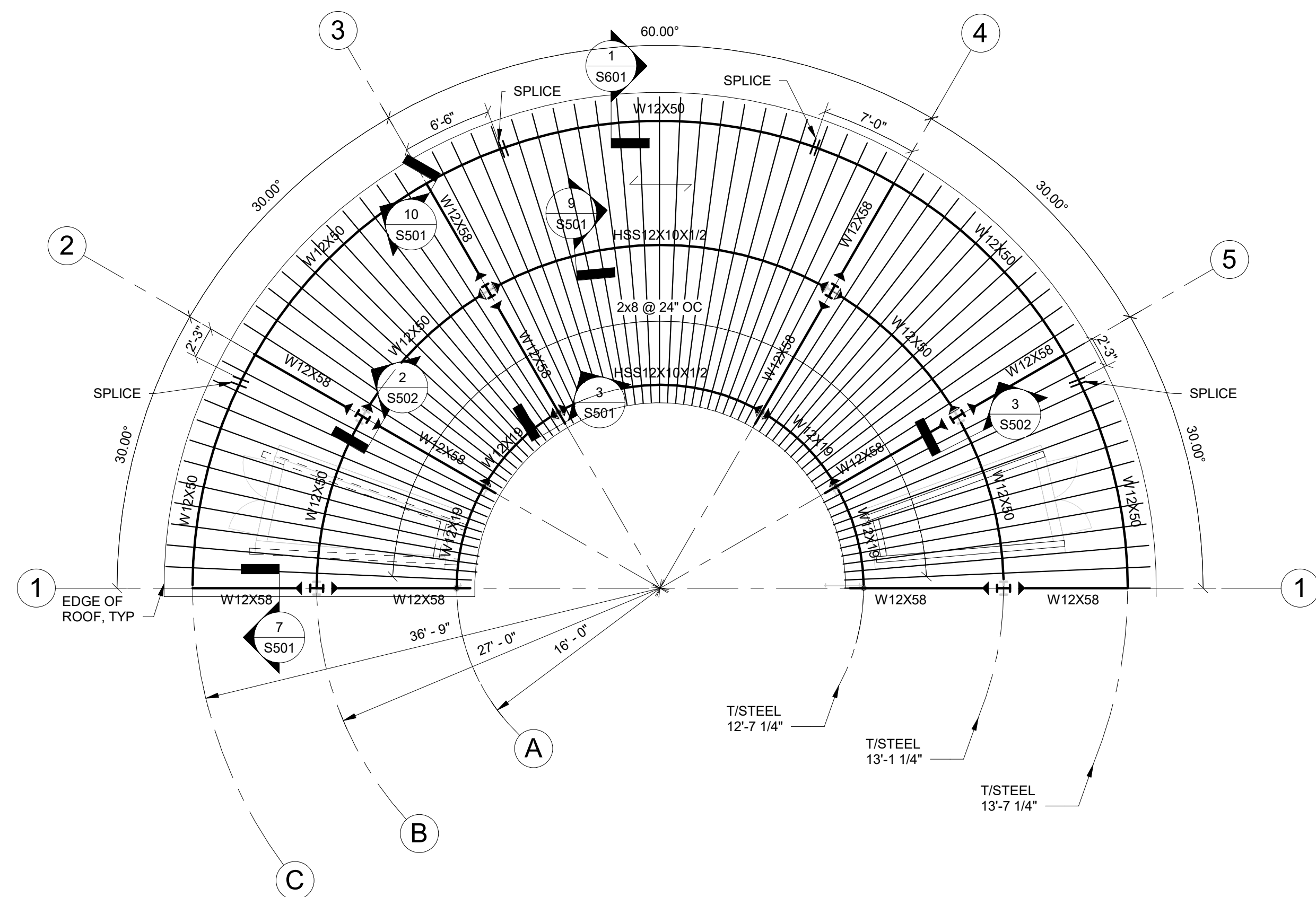
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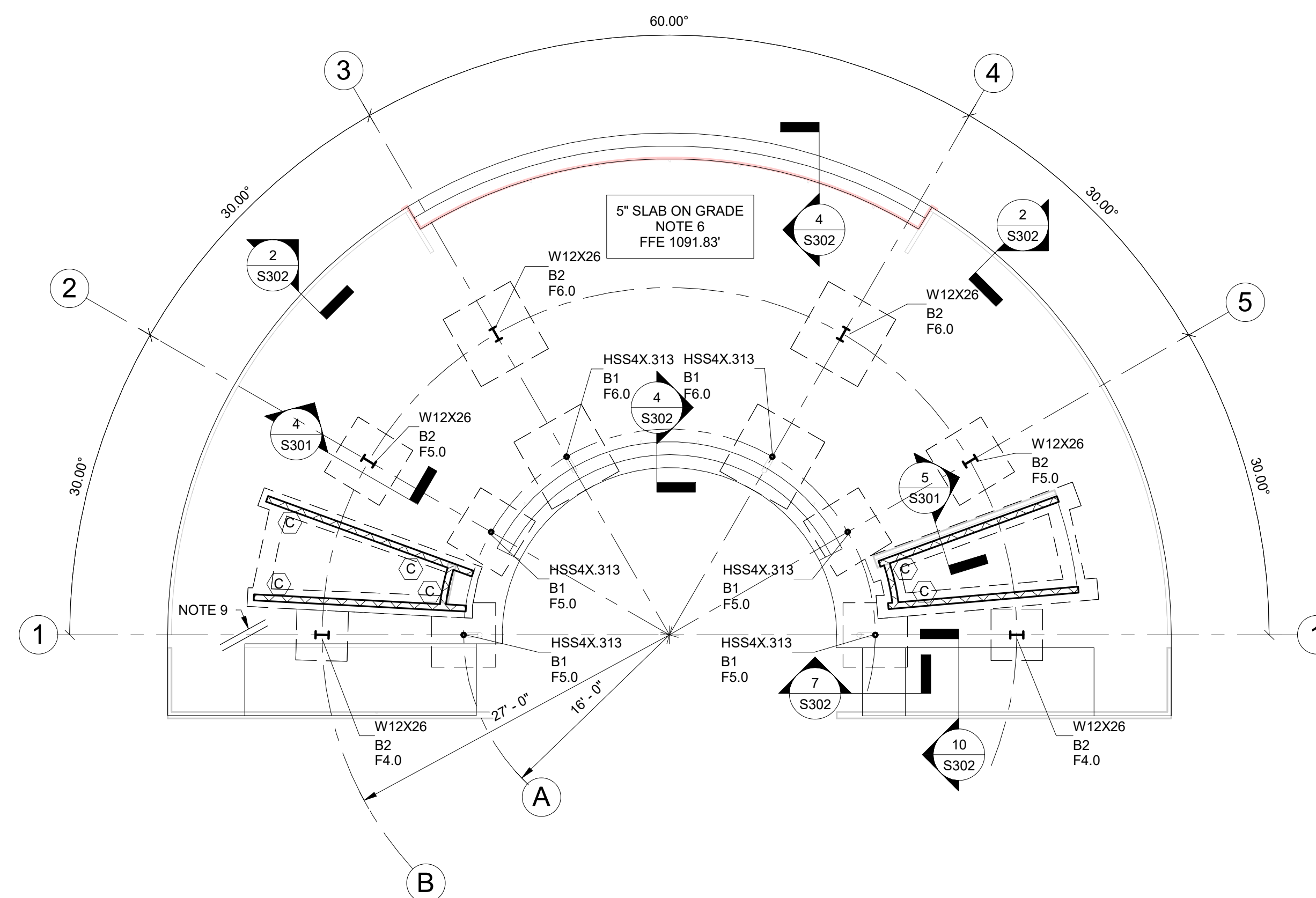
3 TYPICAL PAVILION STORAGE ROOF FRAMING PLAN
S101 1/4" = 1'-0"

- NOTES:
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - DECK BEARING ELEVATION @ 8'-4" RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO (1091.3').
 - INDICATES DIRECTIONAL SPAN OF 5/8" PLYWOOD ROOF DECKING SEE 6/S601.
 - SEE 4/S401 FOR STANDARD LINTEL SCHEDULE.



2 PAVILION CANOPY ROOF FRAMING PLAN
S101 1/8" = 1'-0"

- NOTES:
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - SEE PLAN DECK BEARING ELEVATION RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
 - INDICATES DIRECTIONAL SPAN OF 5/8" PLYWOOD ROOF DECKING SEE 6/S601
 - INDICATES MOMENT CONNECTION. SEE 3/S501.
 - V=x INDICATES MAXIMUM UNFACTORED SHEAR REACTION IN KIPS. IF NO VALUE IS INDICATED, DESIGN FOR 15 KIP MINIMUM.
 - M=x INDICATES MAXIMUM UNFACTORED MOMENT REACTION IN FEET-KIPS. CONNECTION SHALL DEVELOP FULL CAPACITY OF MEMBER.
 - SEE 4/S401 FOR STANDARD LINTEL SCHEDULE.
 - BEAM SPLICES SHALL BE FULL PENETRATION WELDS GRIND SMOOTH.
 - INDICATES SPLICE LOCATION. SPLICE TO BE FULL PENETRATION WELD GROUND SMOOTH.



1 PAVILION FOUNDATION PLAN
S101 1/8" = 1'-0"

- NOTES:
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - Fx INDICATES COLUMN FOOTING. SEE 4/S301. T/FTG = -2'-6" UNO, BASED ON T/SLAB REFERENCE ELEVATION = 0'-0". (MSL 1091.83')
 - Bpx INDICATES COLUMN BASE PLATE. SEE 1/S501.
 - PROVIDE 5" SLAB ON GRADE REINFORCED WITH WWF 6x6 W/2.9xW/2.9 ON VAPOR BARRIER AND 12" GRANULAR BASE.
 - C.J. INDICATES SLAB CONTROL JOINT. SEE 3/S301 AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
 - PROVIDE ISOLATION JOINT AT COLUMN. SEE 9/S301.
 - PROVIDE REINFORCEMENT AT RE-ENTRANT CORNERS. SEE 6/S301.
 - INDICATES MASONRY WALL REINFORCED W/ #5@32" O.C. SEE DETAIL 1/S401.
 - INDICATES MASONRY WALL REINFORCEMENT. SEE 3/S401.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES. SEE 11/S301.

PAVILION FOUNDATION AND ROOF FRAMING PLAN

CITY OF TUCKER
TUCKER TOWN GREEN
4426 RAILROAD AVENUE, TUCKER, GA 30084

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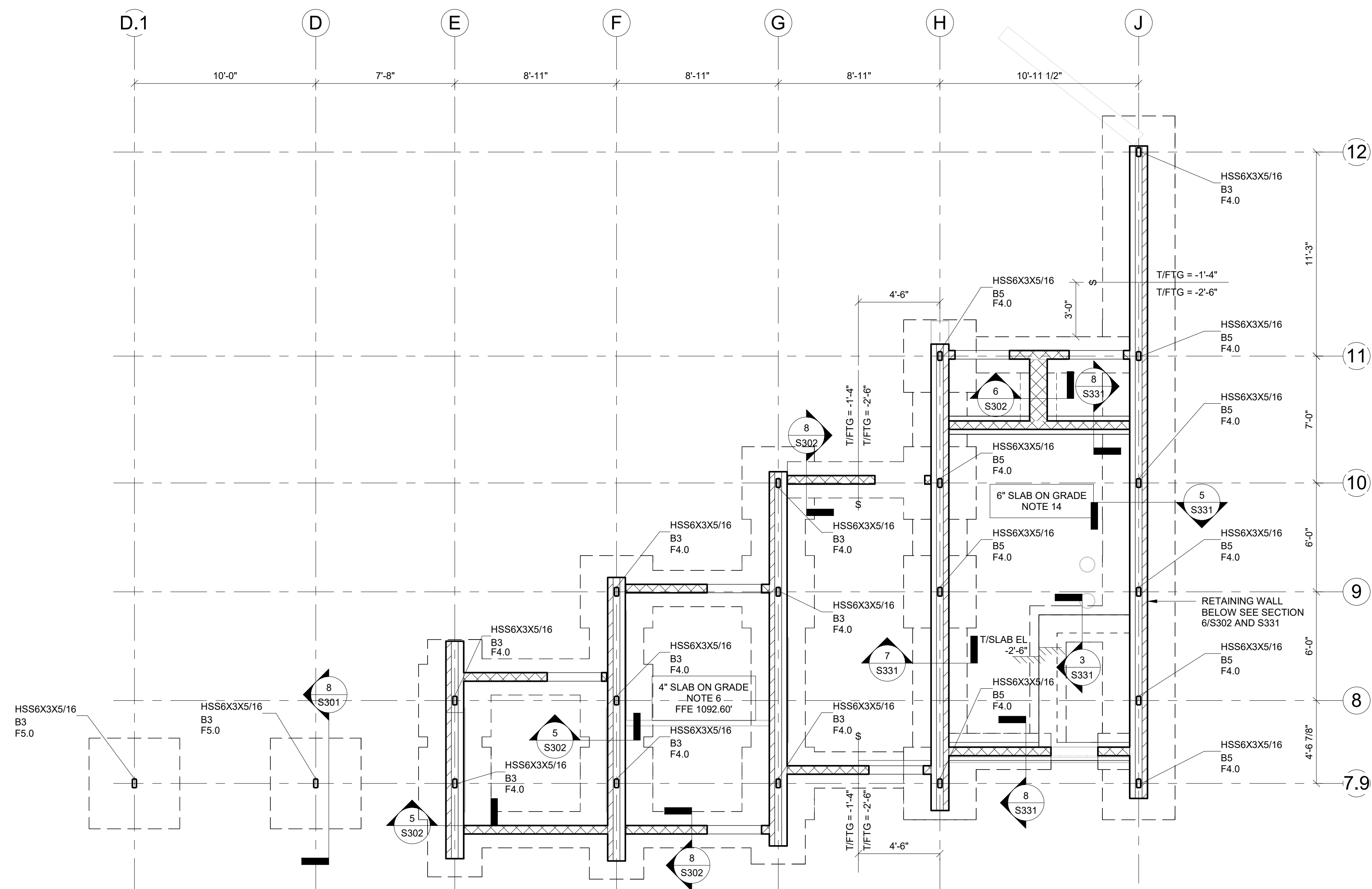
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RESTROOM FOUNDATION PLAN

CITY OF TUCKER
TUCKER TOWN GREEN
4226 RAILROAD AVENUE, TUCKER, GA 30084



NOTES:

1. SEE S001 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. FX INDICATES COLUMN FOOTING. SEE 4/S301. T/FTG = -1'-4" UNO, BASED ON T/SLAB REFERENCE ELEVATION = 0'-0" (MSL 1092.60')
4. BPx INDICATES COLUMN BASE PLATE. SEE 1/S501.
5. ϕ INDICATES STEP IN FOOTING. SEE 10/S301.
6. PROVIDE 4" SLAB ON GRADE REINFORCED WITH WWF 6x6 W2.9xW2.9 ON VAPOR BARRIER AND 12" GRANULAR BASE.
7. C.J. INDICATES SLAB CONTROL JOINT. SEE 3/S301 AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
8. PROVIDE ISOLATION JOINT AT COLUMN. SEE 9/S301.
9. PROVIDE REINFORCEMENT AT RE-ENTRANT CORNERS. SEE 6/S301.
10. \square INDICATES MASONRY WALL REINFORCED W/ #5@32" O.C. SEE DETAIL 1/S401.
11. (S) INDICATES MASONRY WALL REINFORCEMENT. SEE 3/S401.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES. SEE 11/S301.
13. ∇ INDICATES SLAB STEP DOWN.
14. PROVIDE 6" SLAB ON GRADE REINFORCED WITH #4@12" OC T&B EW ON VAPOR BARRIER AND 12" GRANULAR BASE.

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RESTROOM FRAMING PLANS

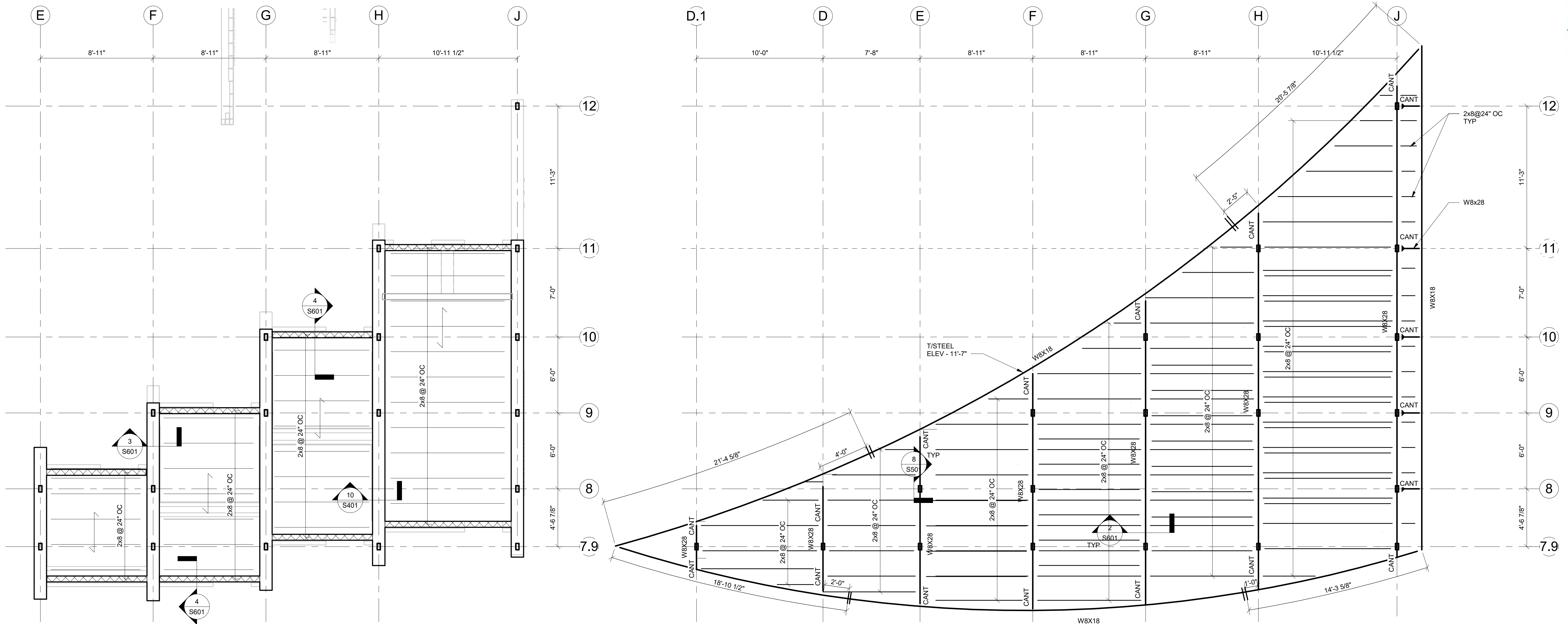
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#	DESCRIPTION	DATE
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S102A

PROJ. NO. 006.23048



- NOTES:**
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - DECK BEARING ELEVATION @ 8'-4" RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
 - INDICATES DIRECTIONAL SPAN OF 5/8" PLYWOOD ROOF DECKING SEE 6/S601.
 - SEE 4/S401 FOR STANDARD LINTEL SCHEDULE.
 - FOR HVAC LINTELS SEE 10/S401
 - ALL PARTITION WALLS TO BE CLIPPED WITH A DEFLECTION TRACK.

2 RESTROOM ROOF FRAMING PLAN
S102A 1/4" = 1'-0"

- NOTES:**
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - SEE PLAN DECK BEARING ELEVATION RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
 - INDICATES DIRECTIONAL SPAN OF 5/8" PLYWOOD ROOF DECKING SEE 6/S601
 - INDICATES MOMENT CONNECTION. SEE 3/S501.
 - V=x INDICATES MAXIMUM UNFACTORED SHEAR REACTION IN KIPS. IF NO VALUE IS INDICATED, DESIGN FOR 15 KIP MINIMUM.
 - M=x INDICATES MAXIMUM UNFACTORED MOMENT REACTION IN FEET-KIPS. CONNECTION SHALL DEVELOP FULL CAPACITY OF MEMBER.
 - SEE 4/S401 FOR STANDARD LINTEL SCHEDULE.
 - BEAM SPLICES SHALL BE FULL PENETRATION WELDS GRINDED SMOOTH.
 - INDICATES SPLICE LOCATION. SPLICE TO BE FULL PENETRATION WELD GROUND SMOOTH.

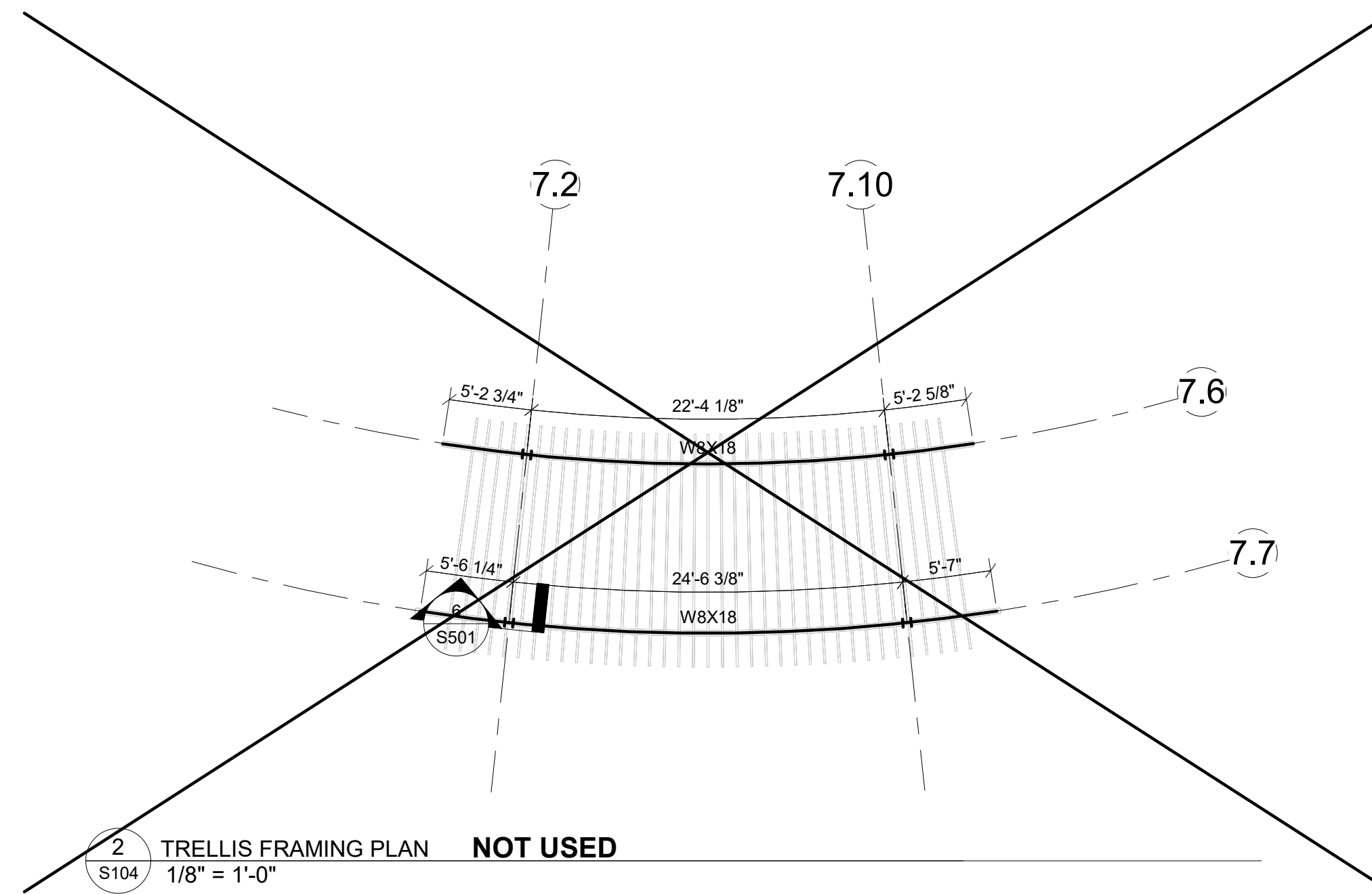
1 RESTROOM CANOPY ROOF FRAMING PLAN
S102A 1/4" = 1'-0"

SEAL:

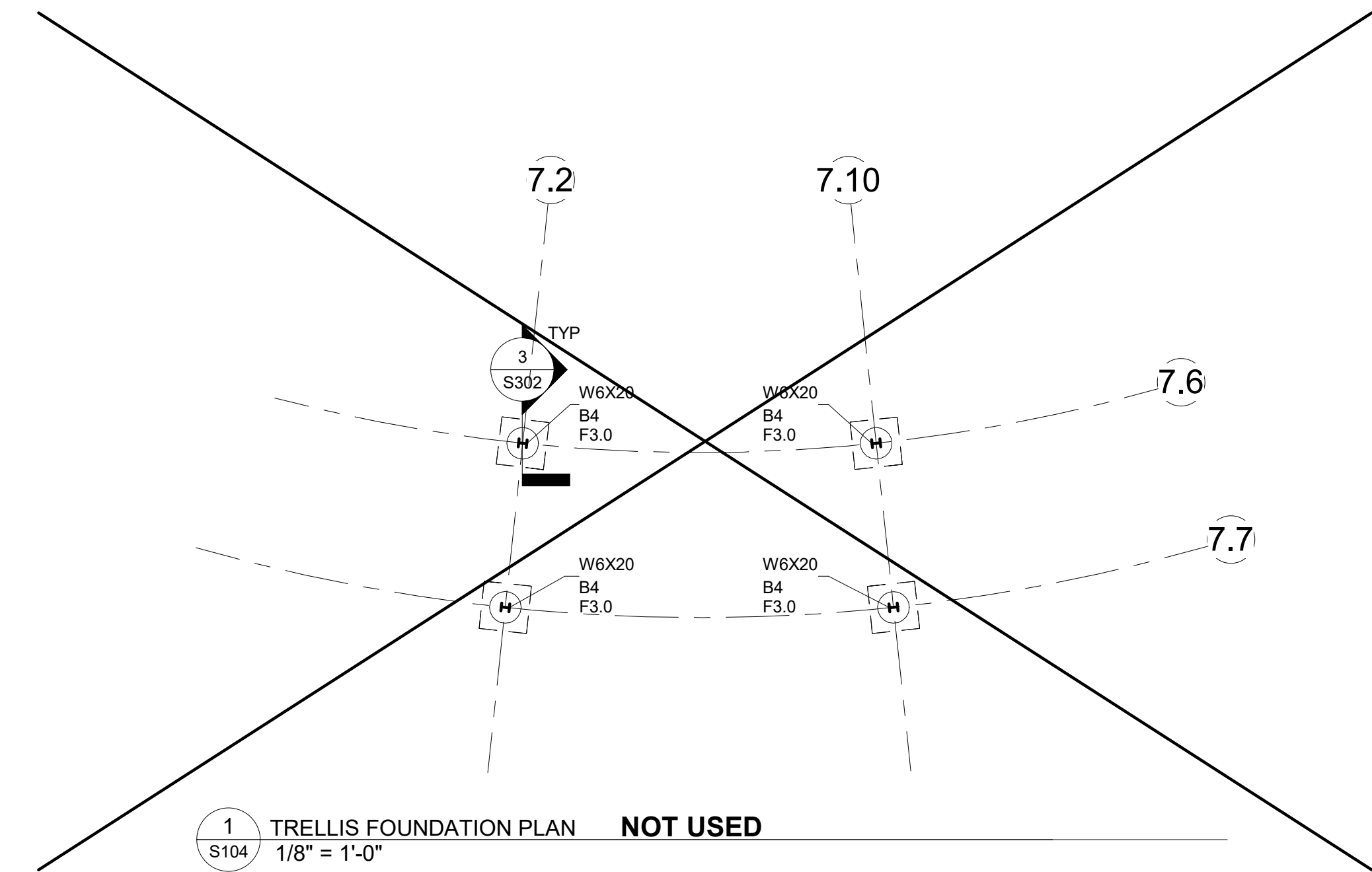


TRELLIS FOUNDATION AND FRAMING PLAN

CITY OF TUCKER
TUCKER TOWN GREEN
4226 RAILROAD AVENUE, TUCKER, GA 30084

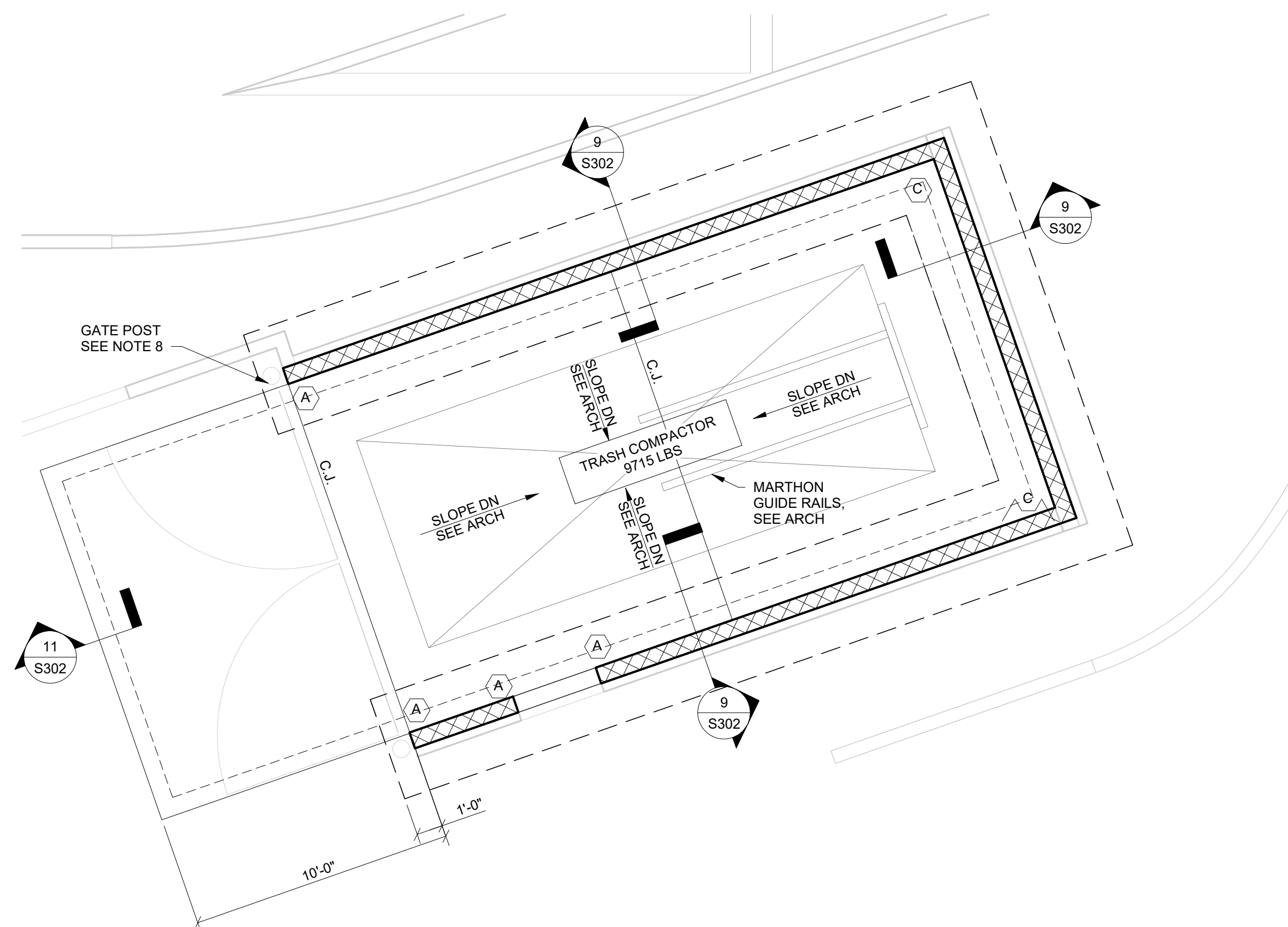


- NOTES:
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - TOP OF STEEL ELEVATION @ 10'-6" RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
 - STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED. UNO. SEE ARCH FOR FINISHES.



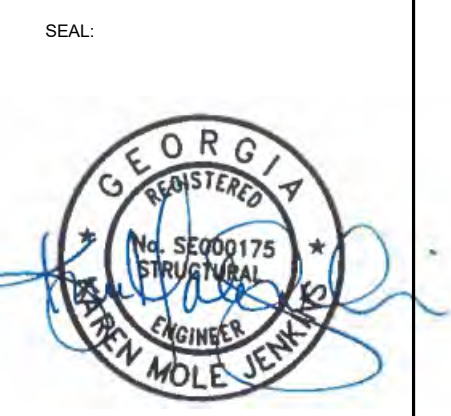
- NOTES:
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - Fx INDICATES COLUMN FOOTING. SEE 4/S301, T/FTG = -1'-0" UNO, BASED ON T/SLAB REFERENCE ELEVATION = 0'-0".
 - BPx INDICATES COLUMN BASE PLATE. SEE 1/S501.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES. SEE 11/S301.

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1
S105 COMPACTOR ENCLOSURE FOUNDATION PLAN
1/4" = 1'-0"

- NOTES:**
- SEE S001 FOR STRUCTURAL GENERAL NOTES.
 - SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - PROVIDE 6" SLAB ON GRADE REINFORCED WITH #4@12" OC T&B EW AND 12" GRANULAR BASE.
 - C.J. INDICATES SLAB CONTROL JOINT. SEE 3/S301 AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
 - INDICATES MASONRY WALL SEE WALL SECTION ON DETAIL 9/S302.
 - (S) INDICATES MASONRY WALL REINFORCEMENT. SEE 3/S401.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES. SEE 11/S301
 - GATE:
 - GATE POSTS TO BE SLEEVED/EMBEDDED IN CONCRETE. GATE HARDWARE TO BE DESIGNED AND PROVIDED BY MFR - HSS 3x3x1/4" (MIN) FRAME WITH DIAGONAL HSS3x3x1/4 (MIN) BRACE. PROVIDE 3/4" CANE BOLTS AND SLEEVES IN CONCRETE AT BOTH CLOSED AND OPEN POSITIONS. PROVIDE 3/4" SLEEVE IN TURNDOWN SLAB AT CANE BOLT AT MIDDLE OF GATE PER MFR AND AT OPEN POSITION OF GATE.
 - GATE DESIGN TO BE APPROVED BY THE CITY PRIOR TO FABRICATION OR INSTALLATION. TOP OF GATE TO BE 4" BELOW TOP OF WALL. BOTTOM OF GATE TO BE 4" ABOVE TOP OF SLAB.
 - GATE OPENING IS TO BE 12'-0" WIDE (MIN) IN OPEN POSITION.
 - GATE TO BE PAINTED PER CITY REQUIREMENTS.

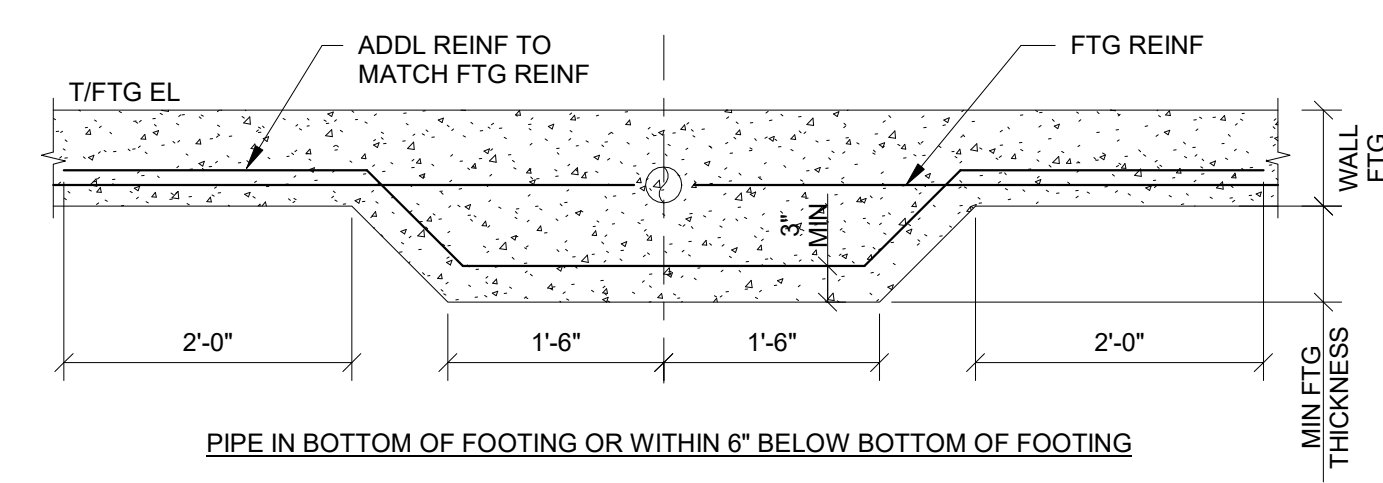
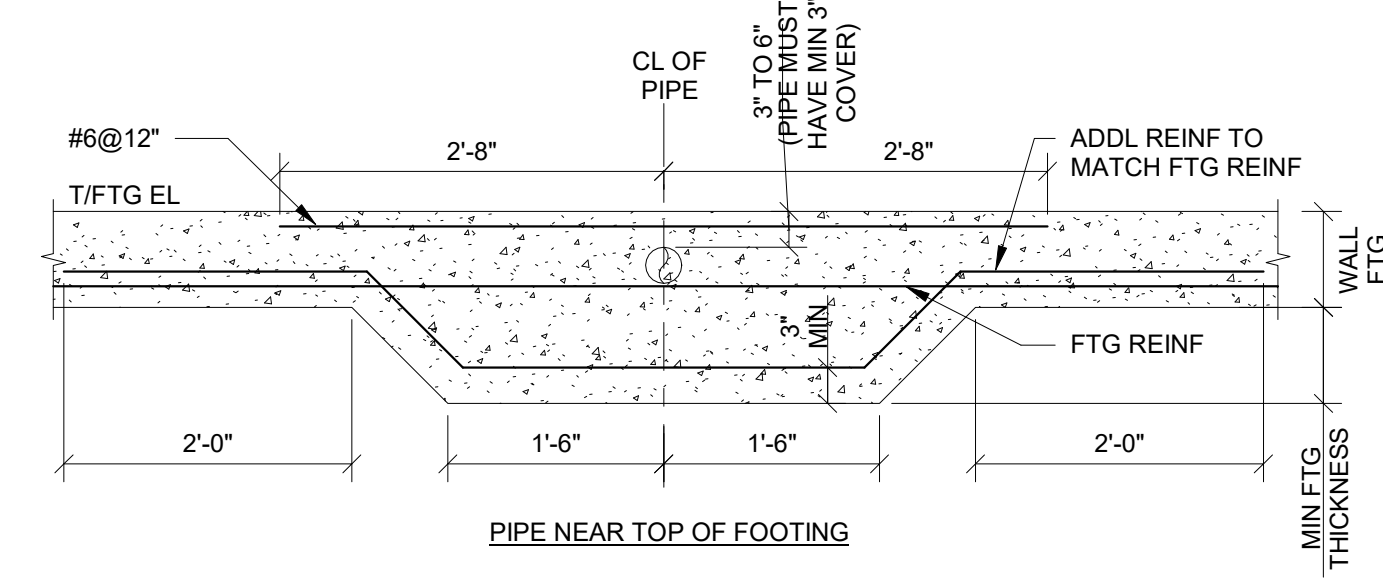
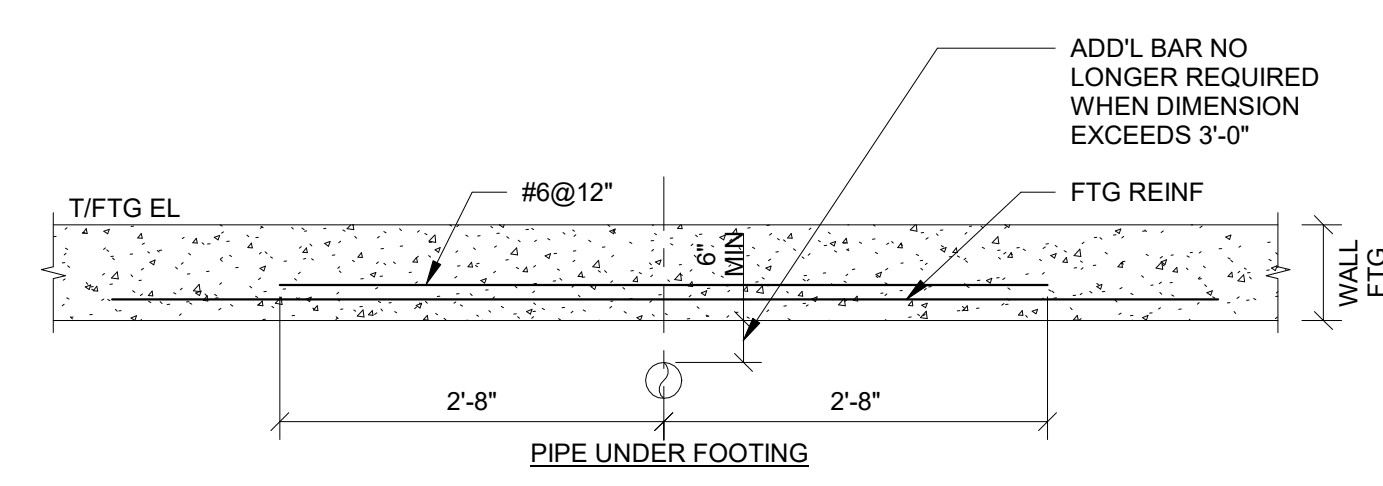
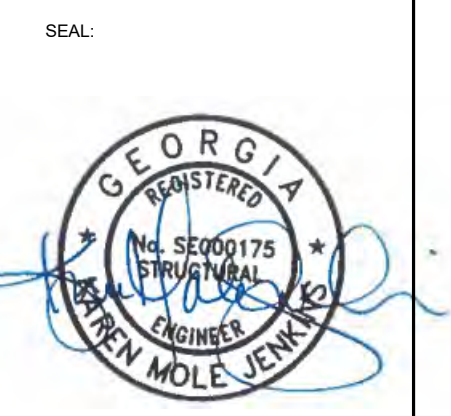


COMPACTOR ENCLOSURE FOUNDATION PLAN

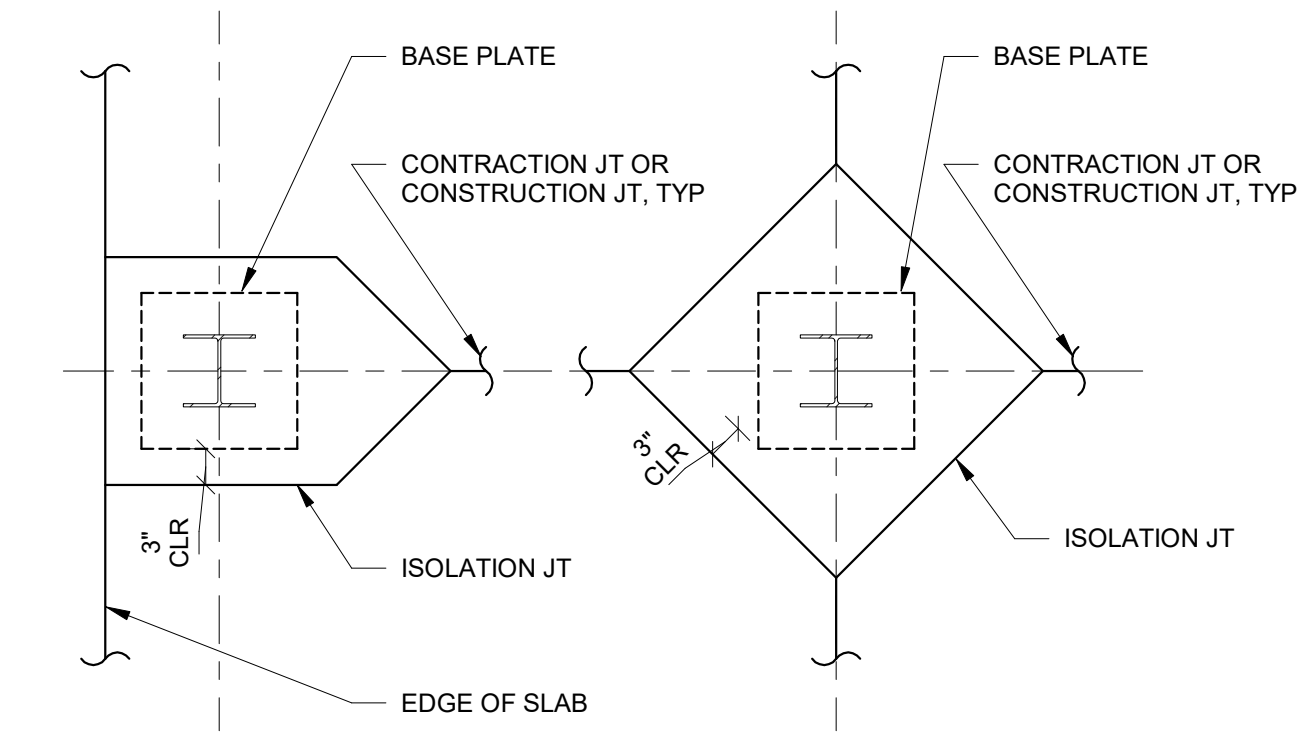
CITY OF TUCKER
TUCKER TOWN GREEN
4226 RAILROAD AVENUE, TUCKER, GA 30084

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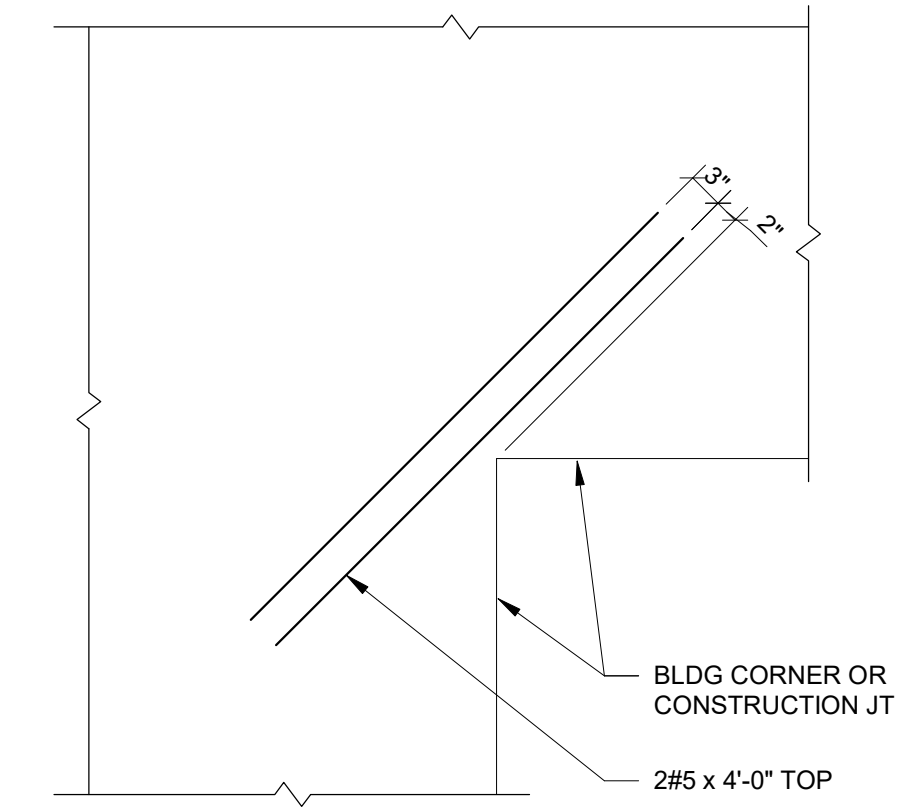
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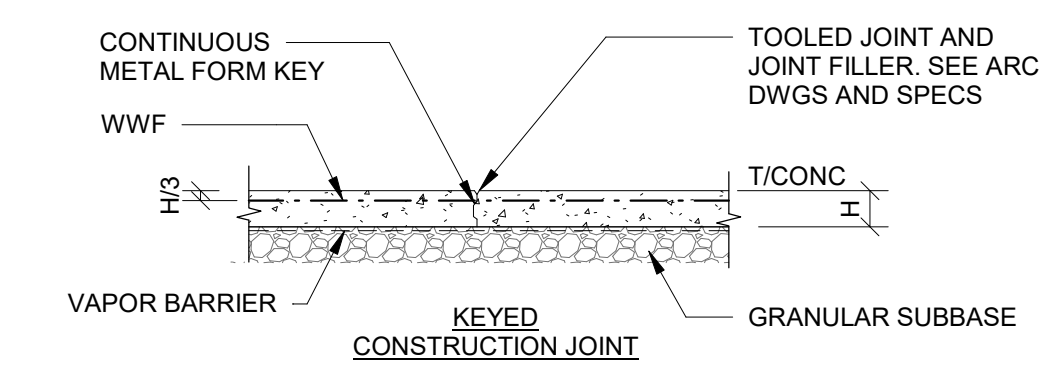
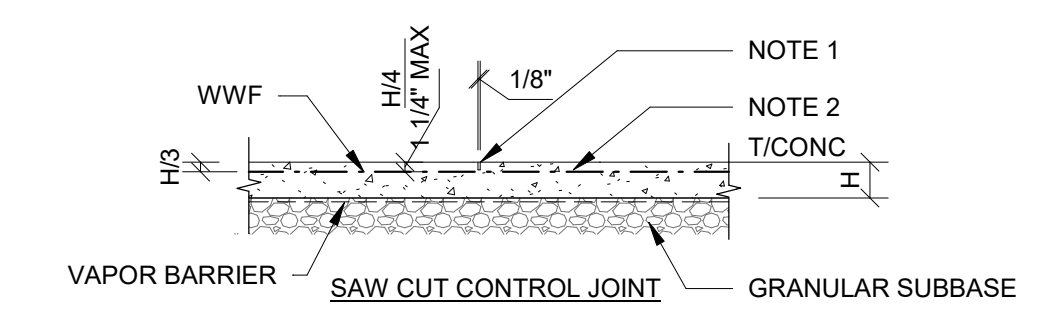
NOTES:
1. NO PIPES TO PASS IN OR BENEATH COLUMN FOOTINGS.
2. PIPES SHALL NOT EXCEED 1/3 THE FOOTING THICKNESS AFTER IT HAS BEEN INCREASED.
3. VERIFY PIPE PENETRATION LOCATIONS W/ PLUMBING CONTRACTOR.



9 TYPICAL ISOLATION JOINT AT STEEL COLUMN
S301 3/4" = 1'-0"



6 TYPICAL REINFORCEMENT AT SLAB RE-ENTRANT CORNER
S301 3/4" = 1'-0"



NOTE:
1. SAW CUT SHALL BE MADE SOON ENOUGH TO PREVENT CRACKING, BUT NOT SO SOON AS TO CAUSE SPALLING OF THE CONCRETE WHILE SAWING. FOR JOINT FILLER, SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. FOR JOINT SPACING, SEE STRUCTURAL SPECIFICATIONS.
2. SAW CUT OR DISCONTINUE REINF AT CONSTRUCTION JT.
3. KEYPED CONSTRUCTION JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING.
4. WHERE REQUIRED FOR SUCCESSFUL INSTALLATION OF FLOOR FINISH SLAB SHALL BE WET CURED AND BE PLACED A MINIMUM OF 90 DAYS PRIOR TO INSTALLATION OF FLOOR FINISHES. AT CONTRACTOR'S OPTION DIAMOND DOWELS MAY BE USED IN LIEU OF CONTINUOUS CONCRETE KEY AT KEYPED JOINT.
5. PROVIDE SLAB BOLSTERS A MAX 4'-0" APART FOR WWF SUPPORT

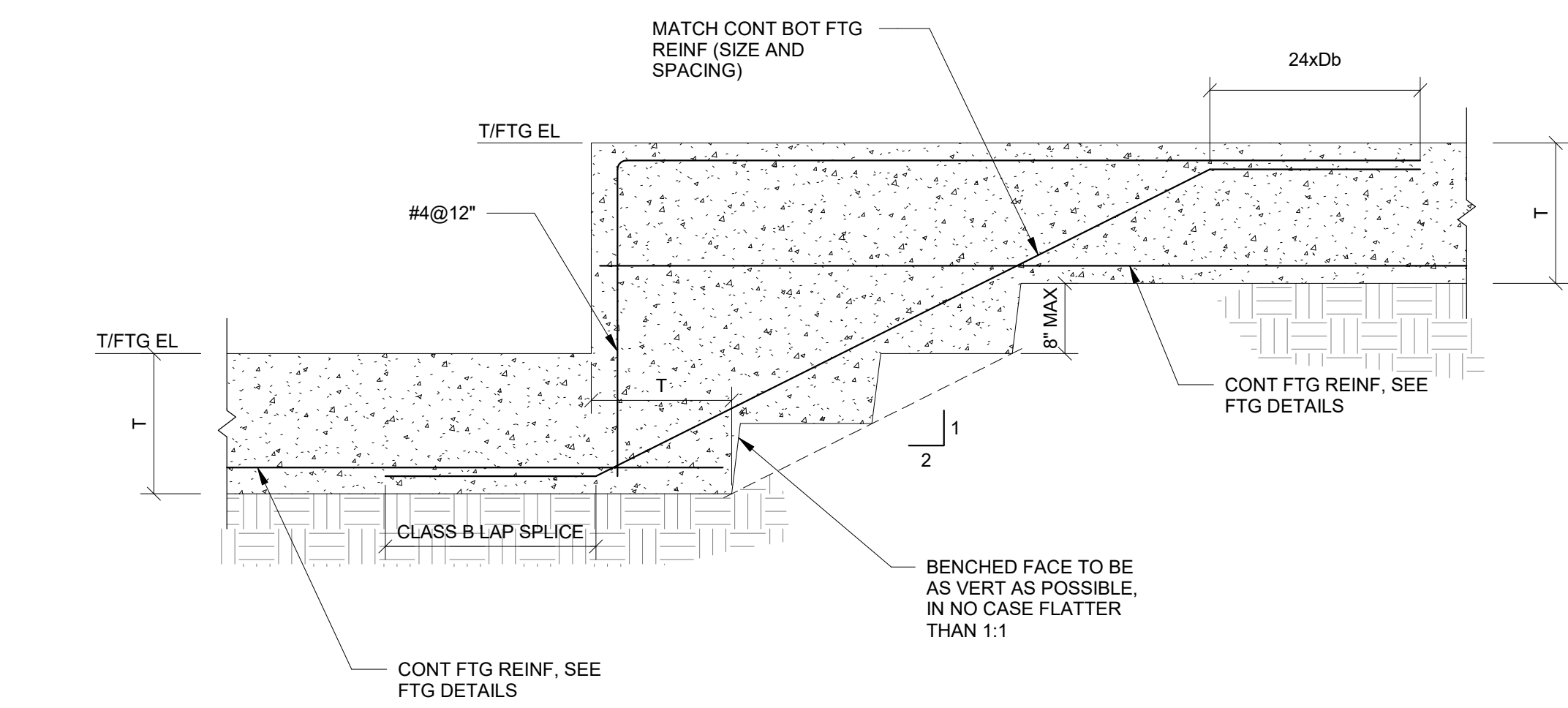
3 TYPICAL GRADE SUPPORTED SLAB AT JOINTS
S301 3/4" = 1'-0"

11 TYPICAL THICKENED FOOTING AT UNDERGROUND PIPING
S301 3/4" = 1'-0"

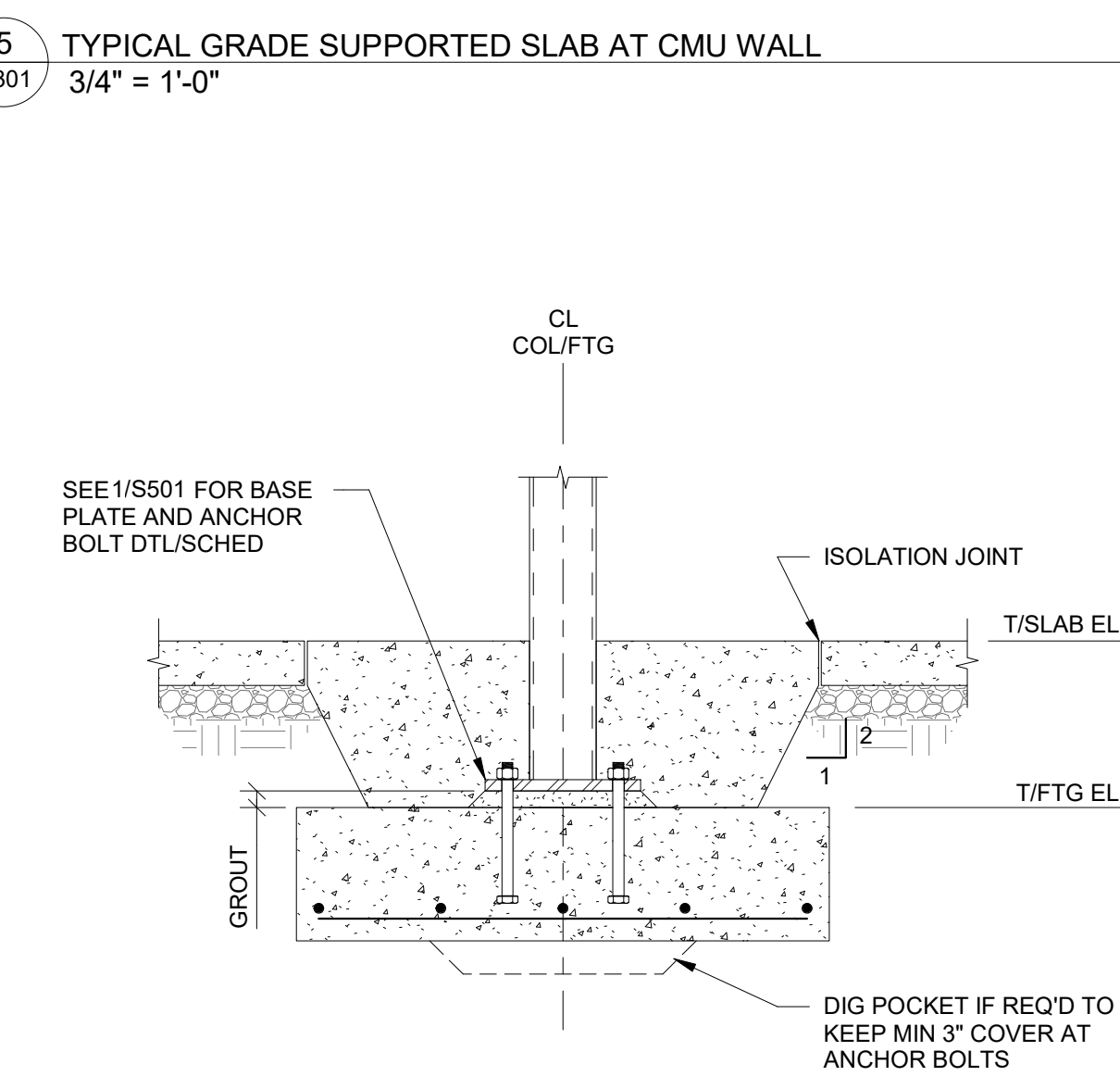
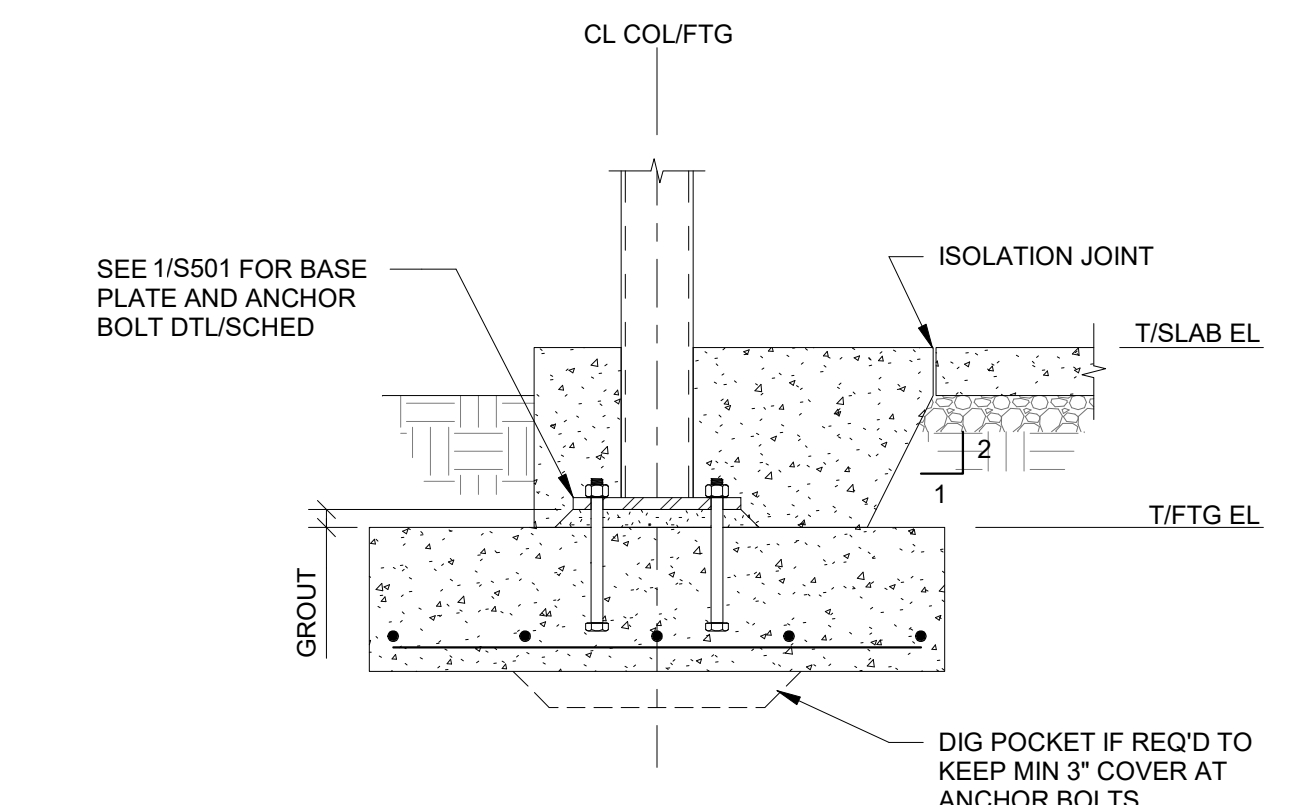
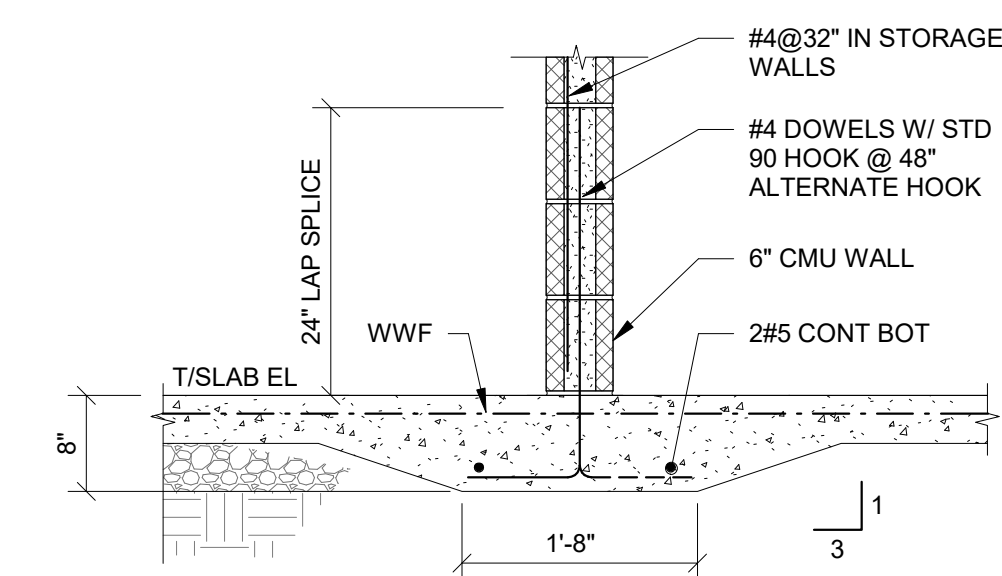
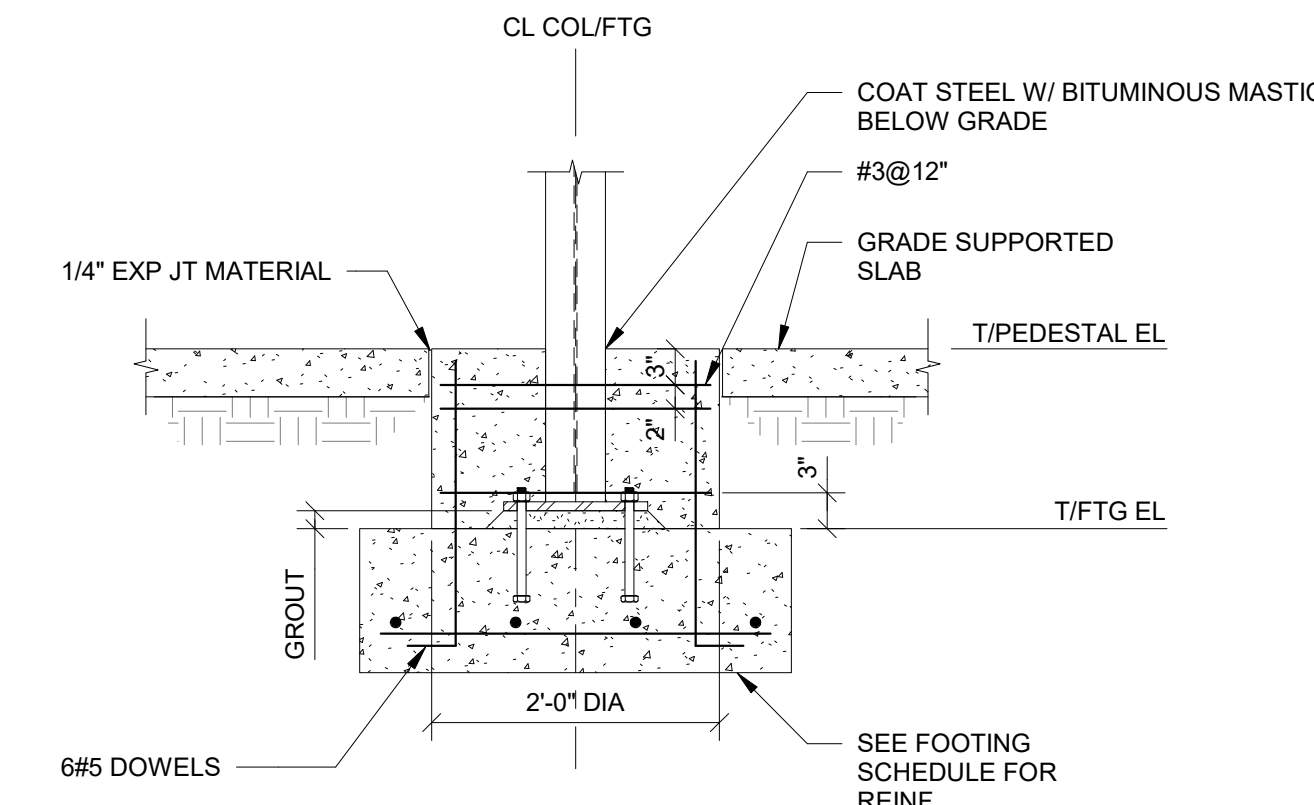
8 TYPICAL STEEL CANOPY COLUMN FOOTING
S301 3/4" = 1'-0"

5 TYPICAL GRADE SUPPORTED SLAB AT CMU WALL
S301 3/4" = 1'-0"

2 TYPICAL EXTERIOR STEEL COLUMN FOOTING
S301 3/4" = 1'-0"



10 TYPICAL CONTINUOUS STEPPED FOOTING
S301 3/4" = 1'-0"



4 TYPICAL INTERIOR STEEL COLUMN FOOTING
S301 3/4" = 1'-0"

FOOTING SCHEDULE			
MARK	SIZE (WxLxT)	REINF	REMARKS
F3.0	3'-0"x3'-0"x12"	(4)#5 EW	TOP & BOTTOM
F4.0	4'-0"x4'-0"x12"	(4)#5 EW	TOP & BOTTOM
F5.0	5'-0"x5'-0"x12"	(5)#5 EW	TOP & BOTTOM
F6.0	6'-0"x6'-0"x12"	(6)#5 EW	TOP & BOTTOM

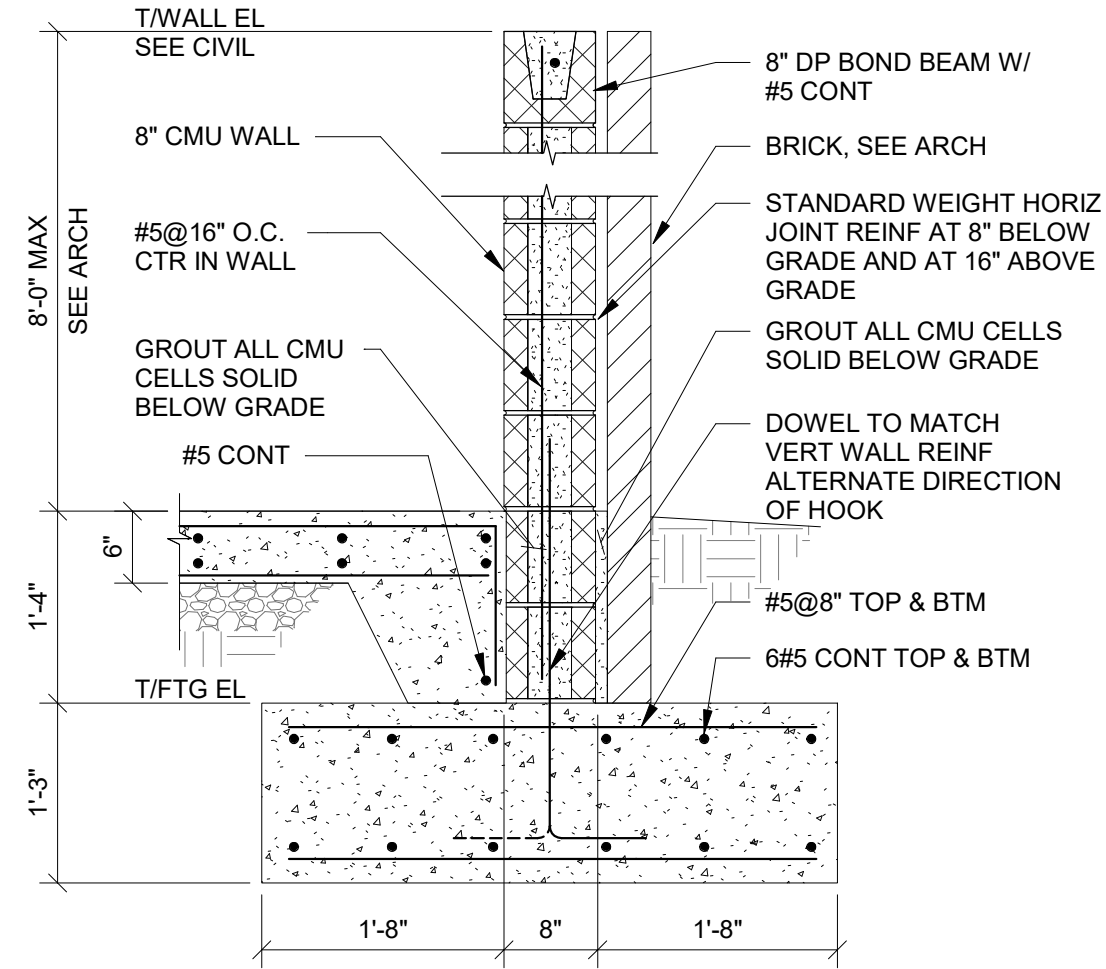
1 FOOTING SCHEDULE
S301 3/4" = 1'-0"

FOUNDATION DETAILS

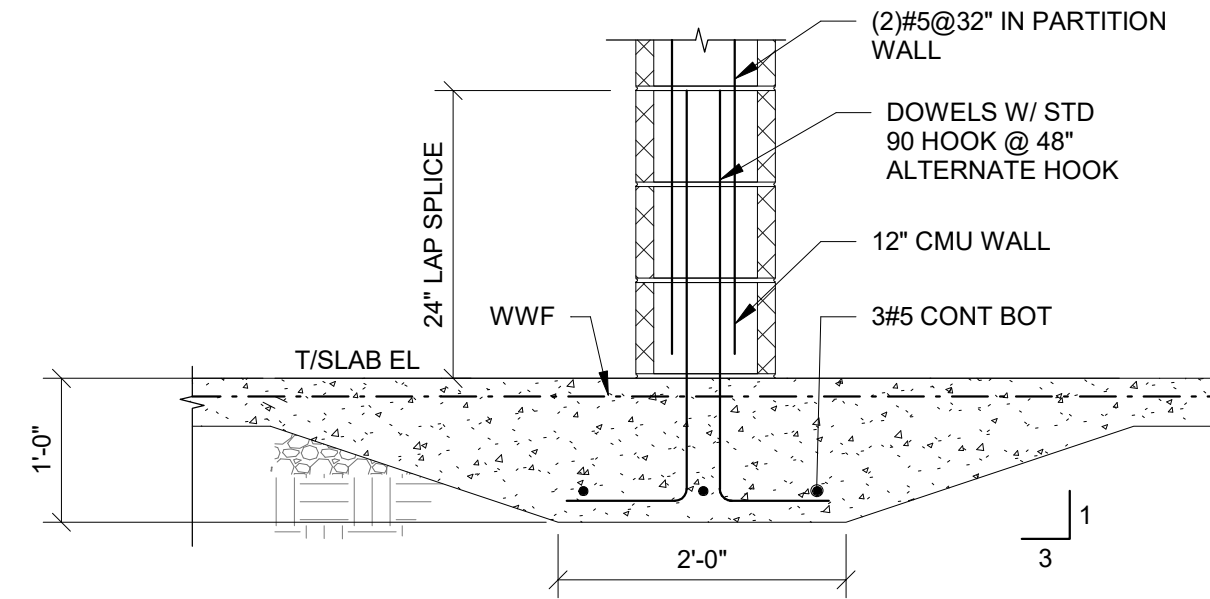
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TUCKER TOWN GREEN
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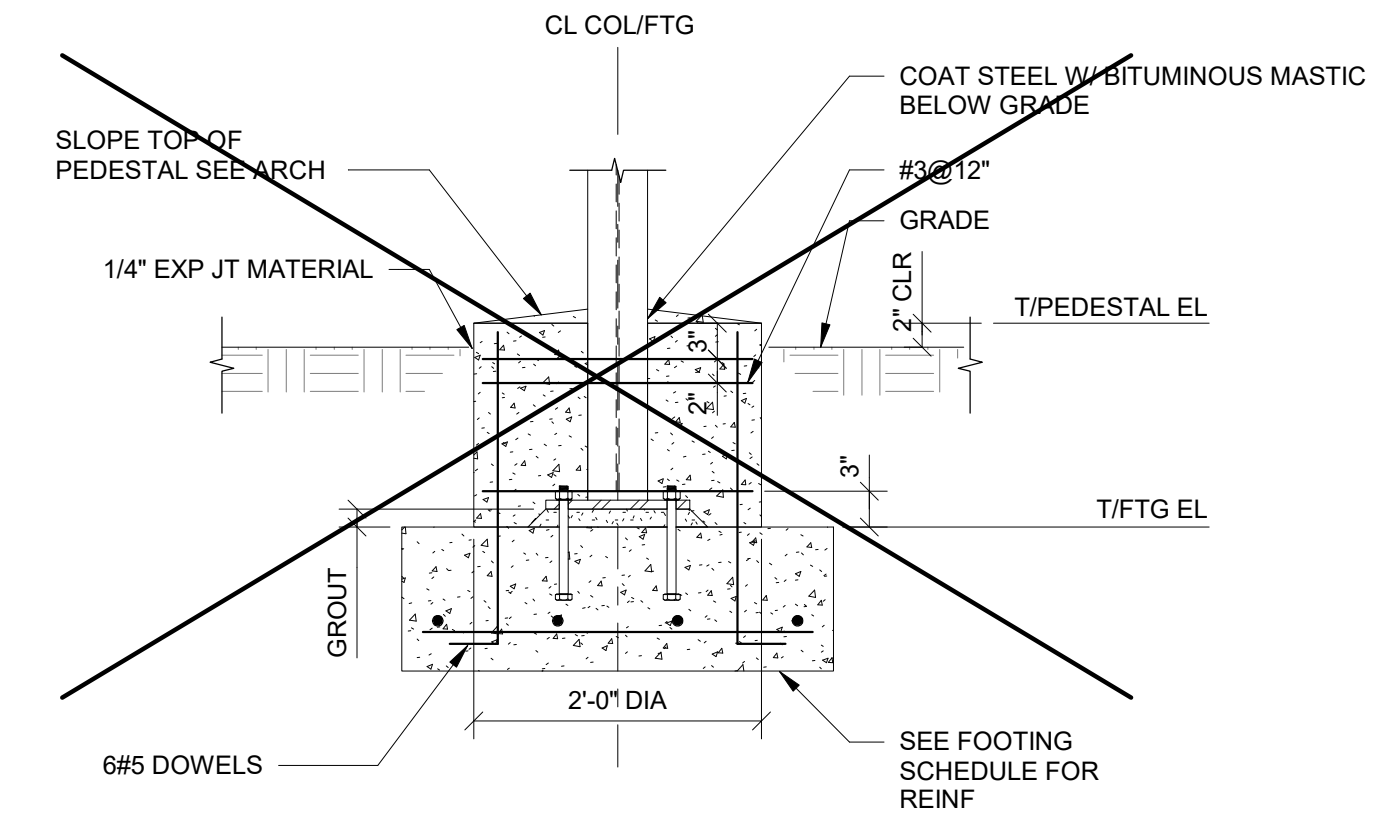
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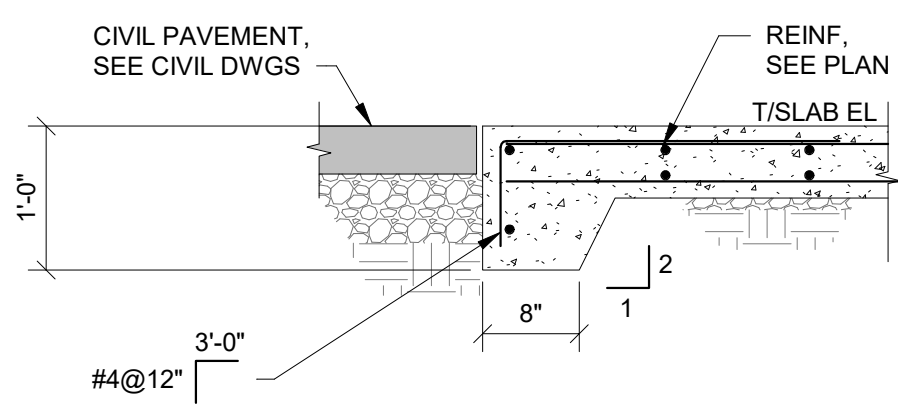
9 TYPICAL COMPACTOR ENCLOSURE WALL
3/4" = 1'-0"



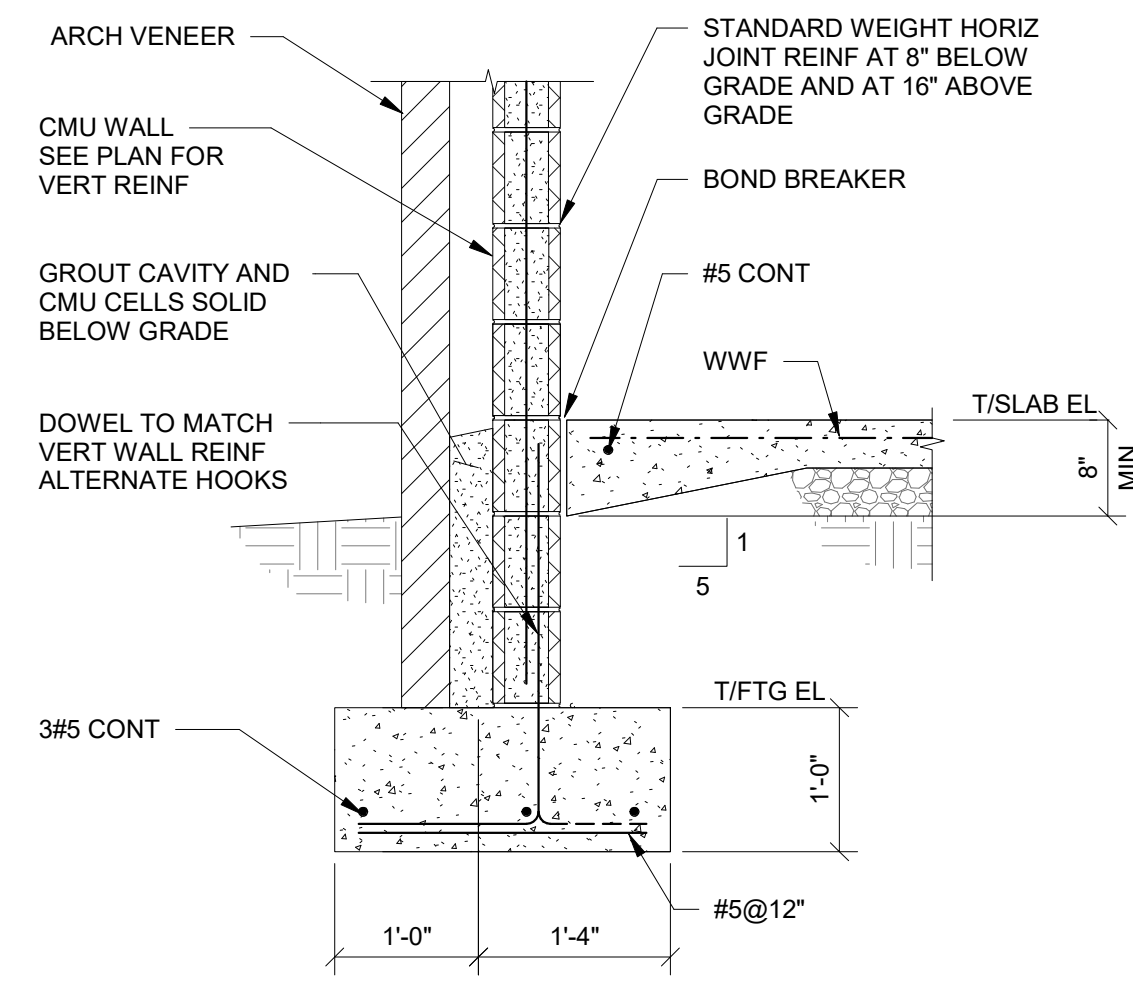
6 12" CMU PARTITION WALL
3/4" = 1'-0"



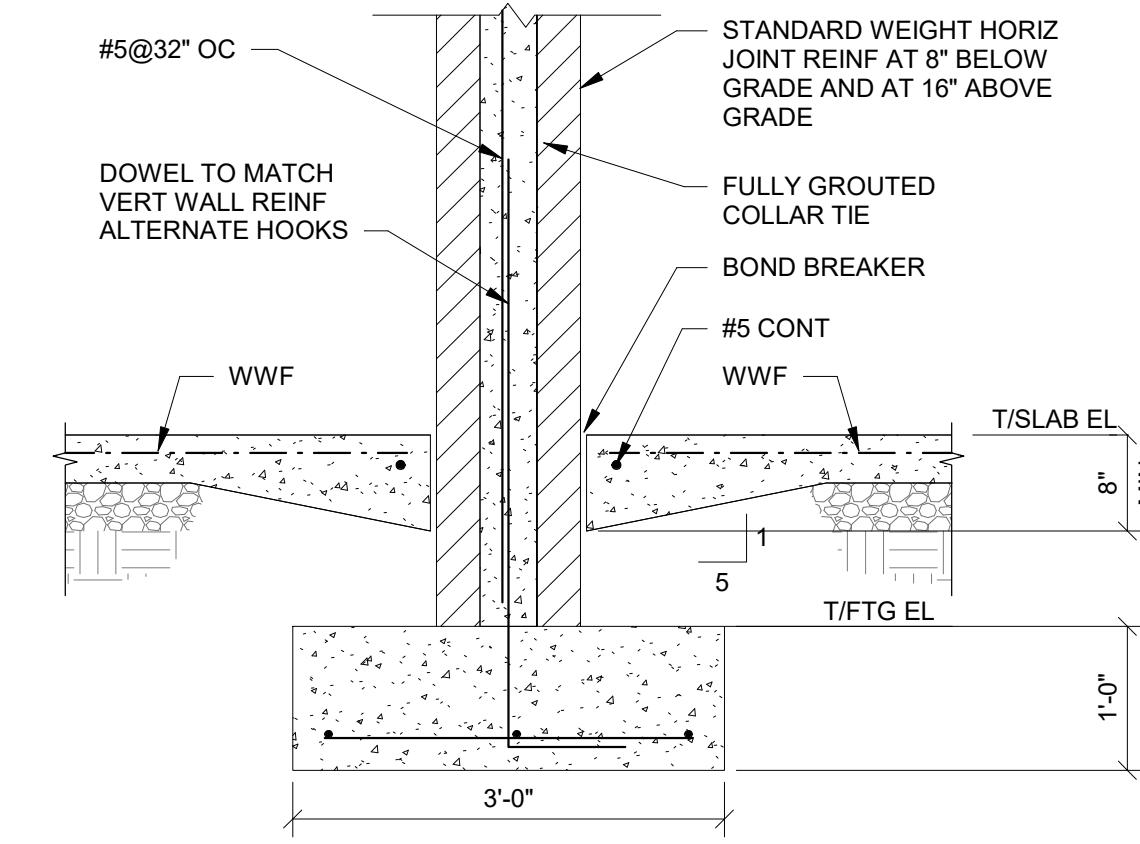
3 TRELLIS COLUMN FOOTING **NOT USED**
3/4" = 1'-0"



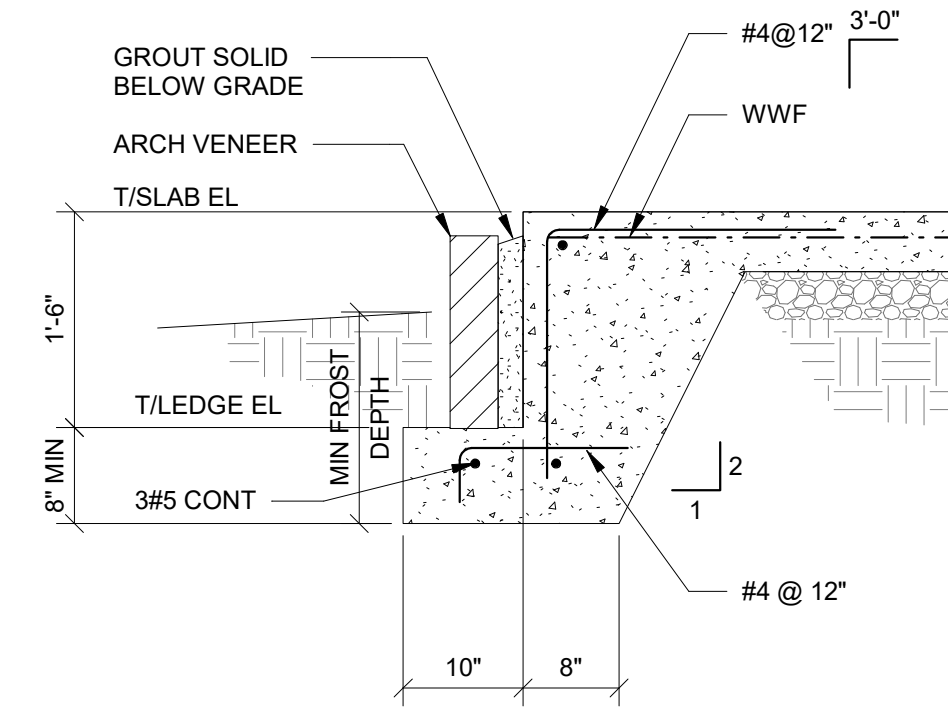
11 TYPICAL EXTERIOR WALL ON TURNDOWN
3/4" = 1'-0"



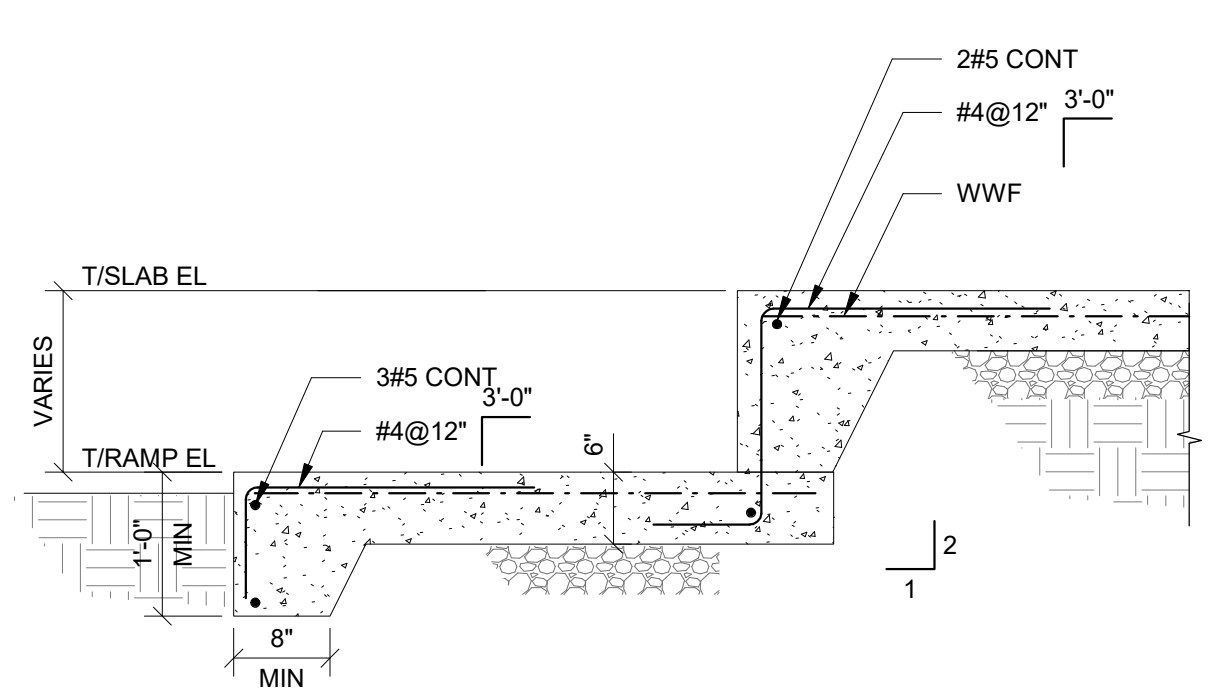
8 TYPICAL EXTERIOR 6" CMU WALL FOOTING
3/4" = 1'-0"



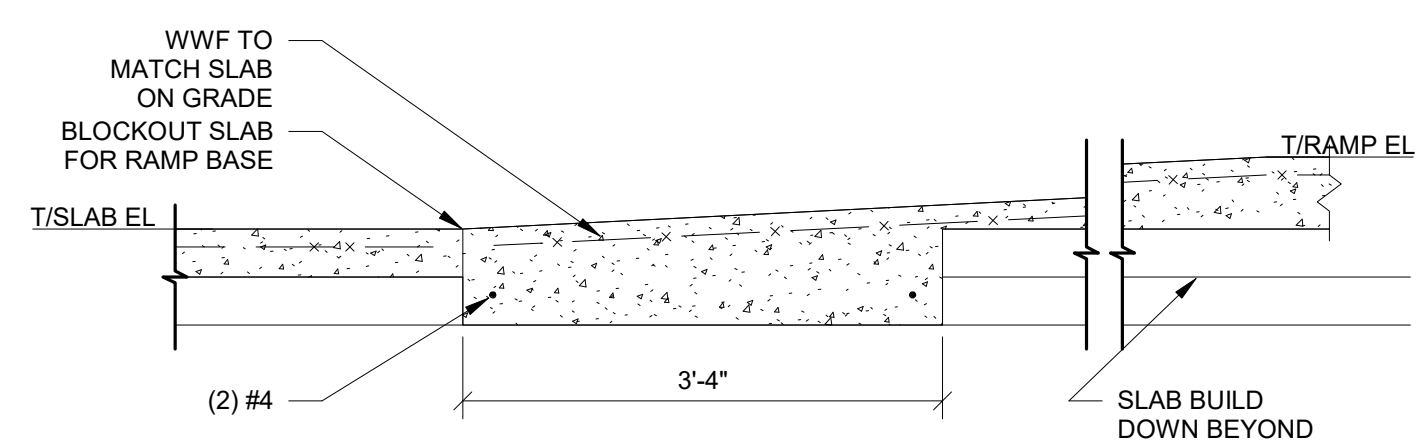
5 SECTION AT COMPOSITE MASONRY WALL
3/4" = 1'-0"



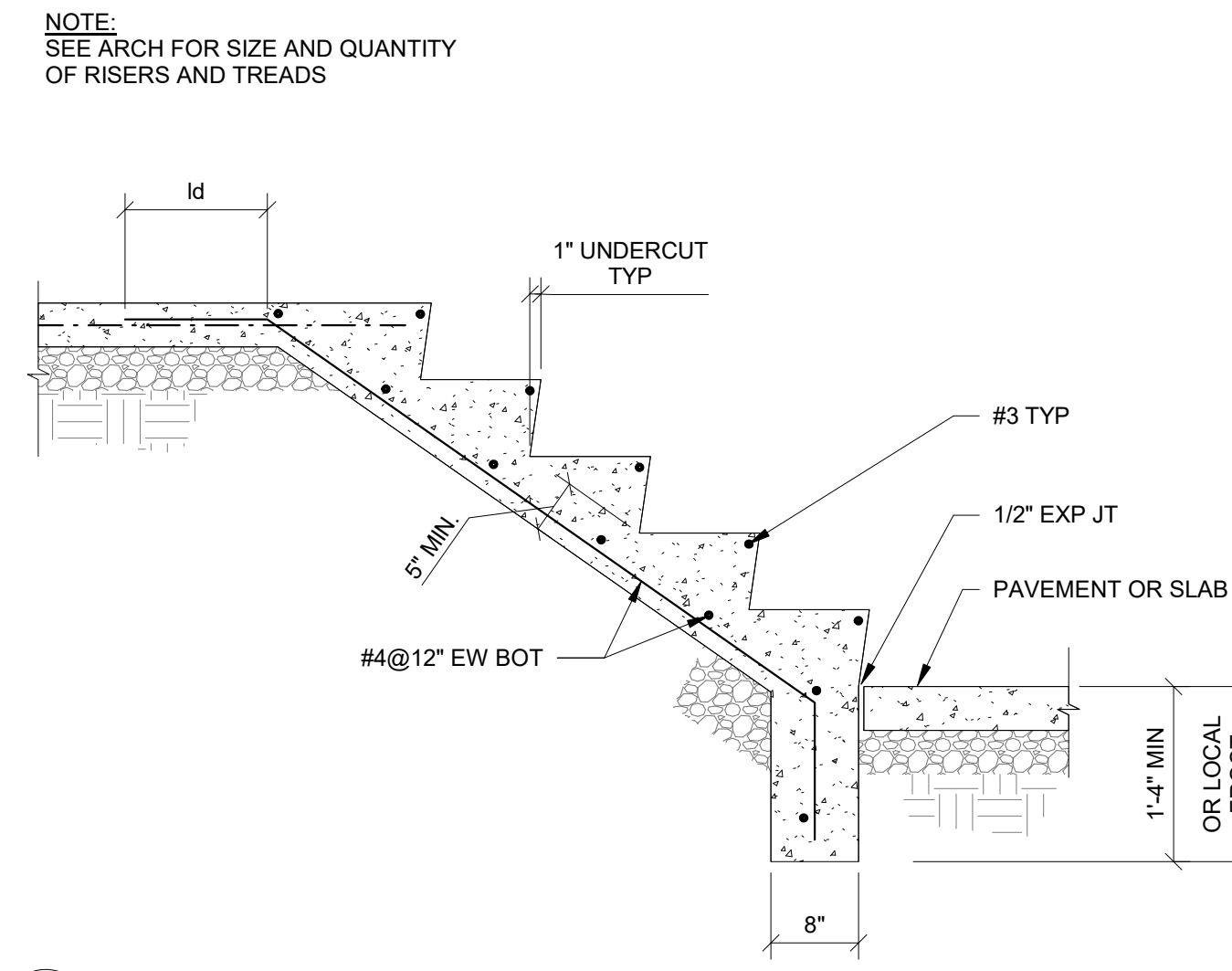
2 TYPICAL TURNDOWN SLAB AT BRICK LEDGE
3/4" = 1'-0"



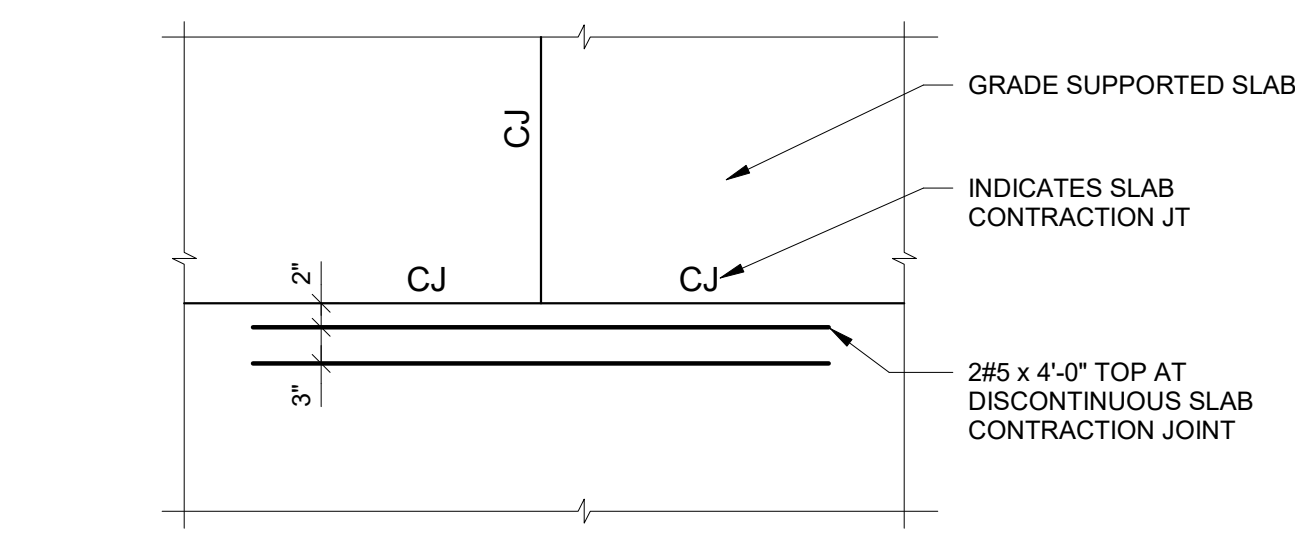
10 SECTION AT RAMP
3/4" = 1'-0"



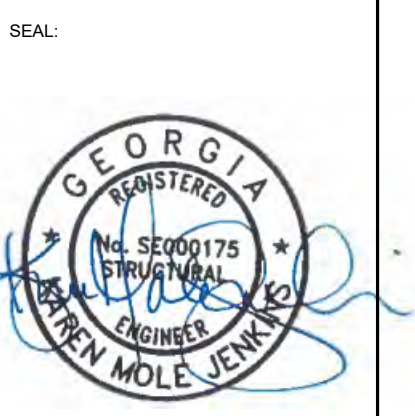
7 TYPICAL RAMP END
3/4" = 1'-0"



4 TYPICAL REINFORCING AT CONCRETE STAIR
3/4" = 1'-0"



1 TYPICAL REINFORCEMENT AT DISCONTINUOUS CONTRACTION JOINT
3/4" = 1'-0"



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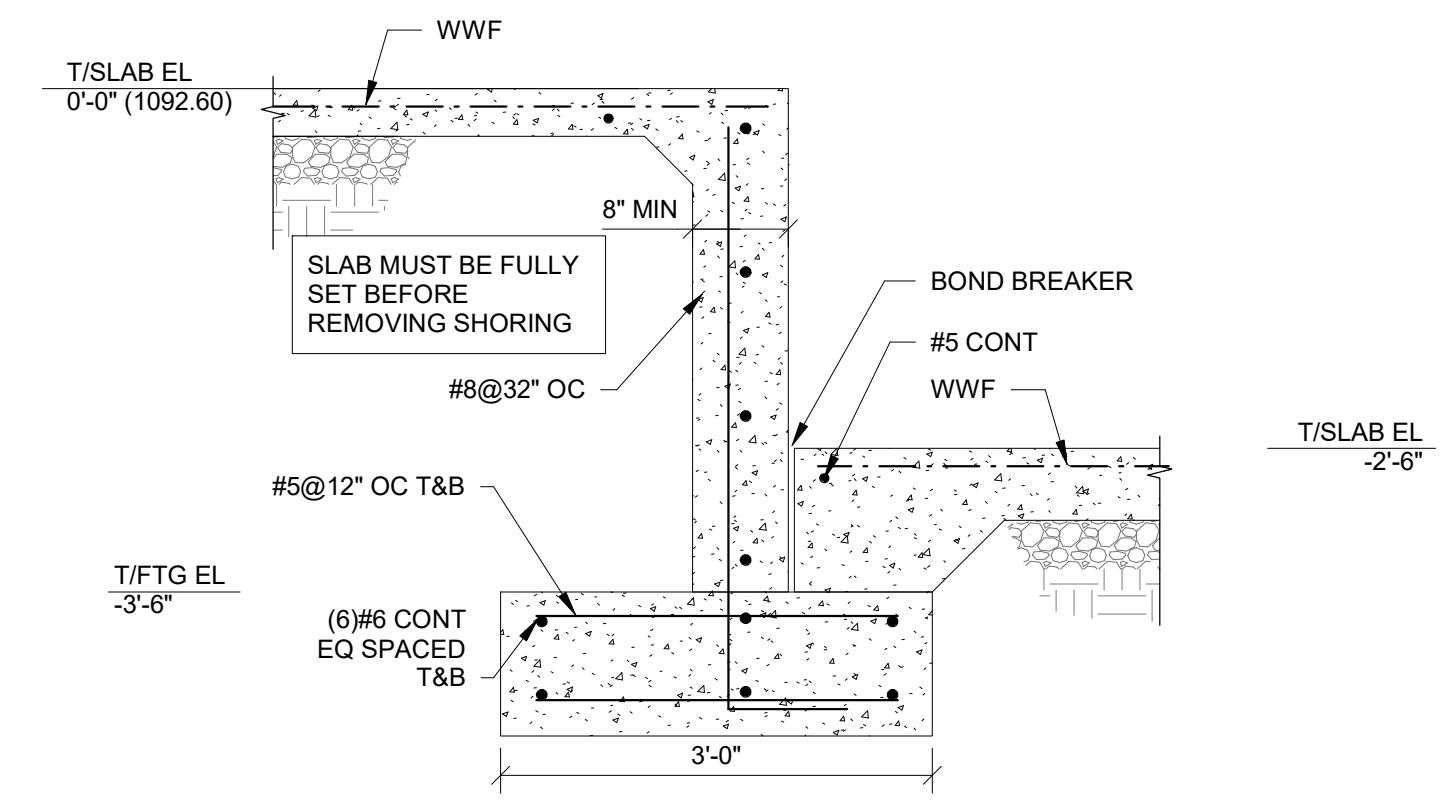


CONCRETE DETAILS

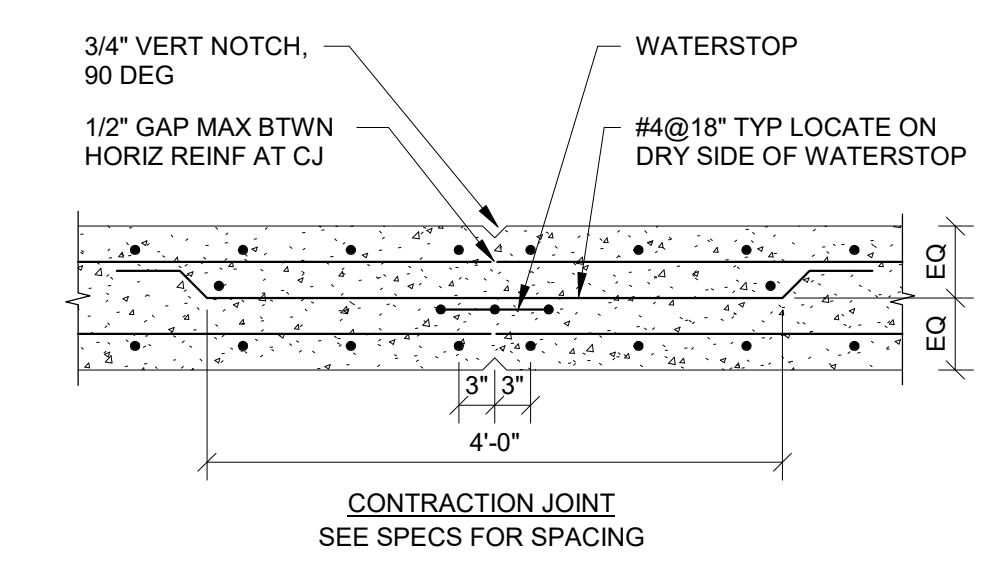
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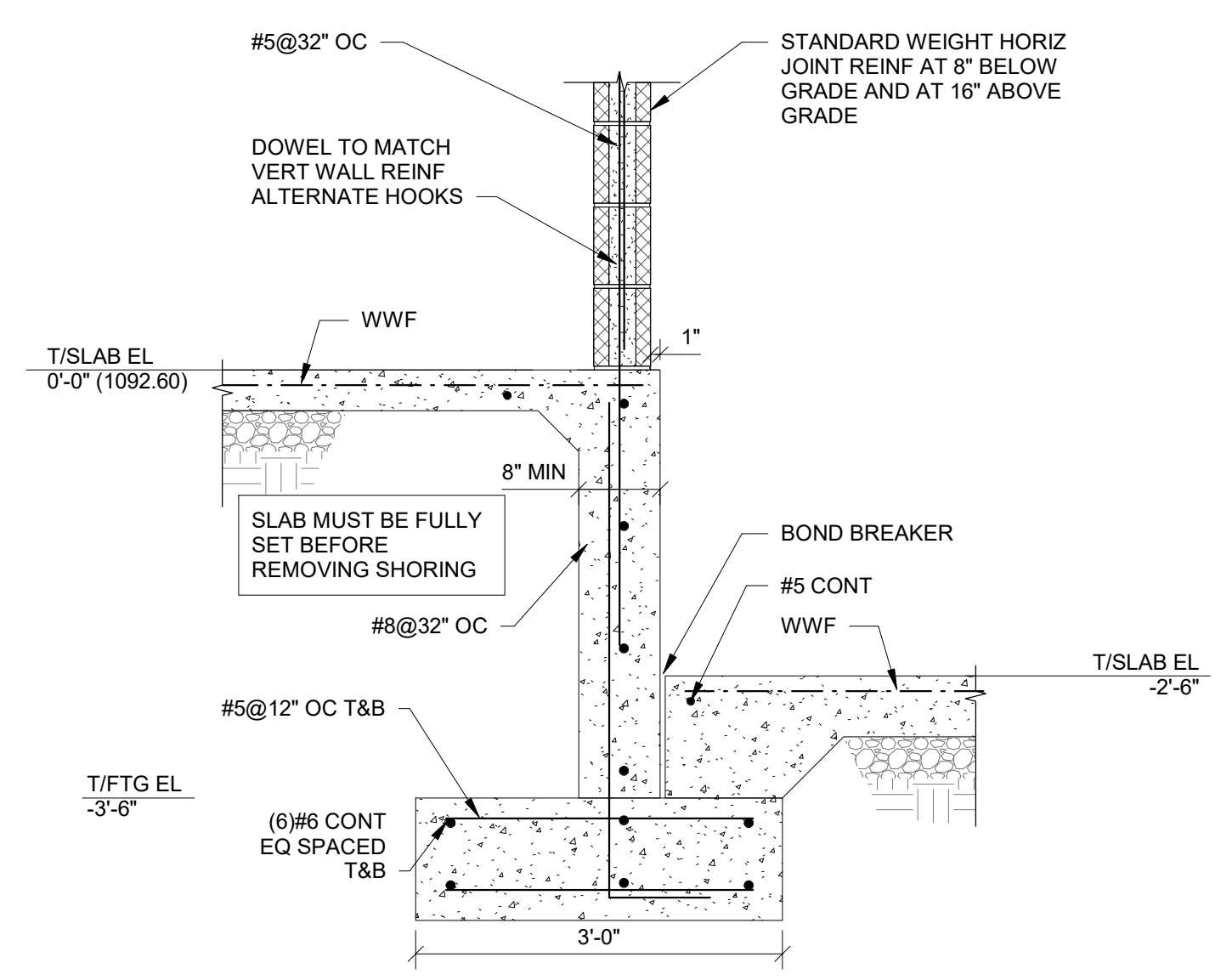
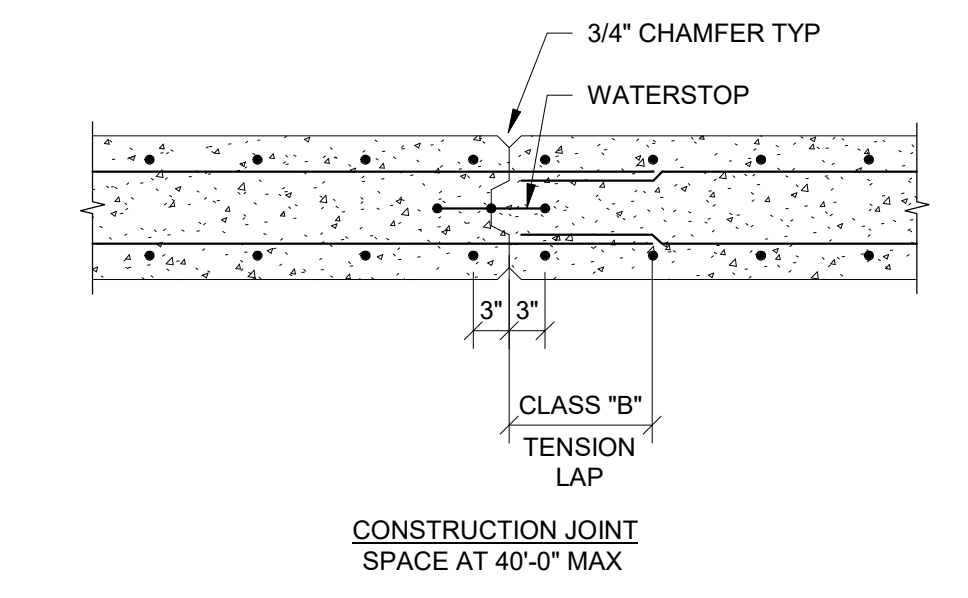
S331
PROJ. NO. 006.23048



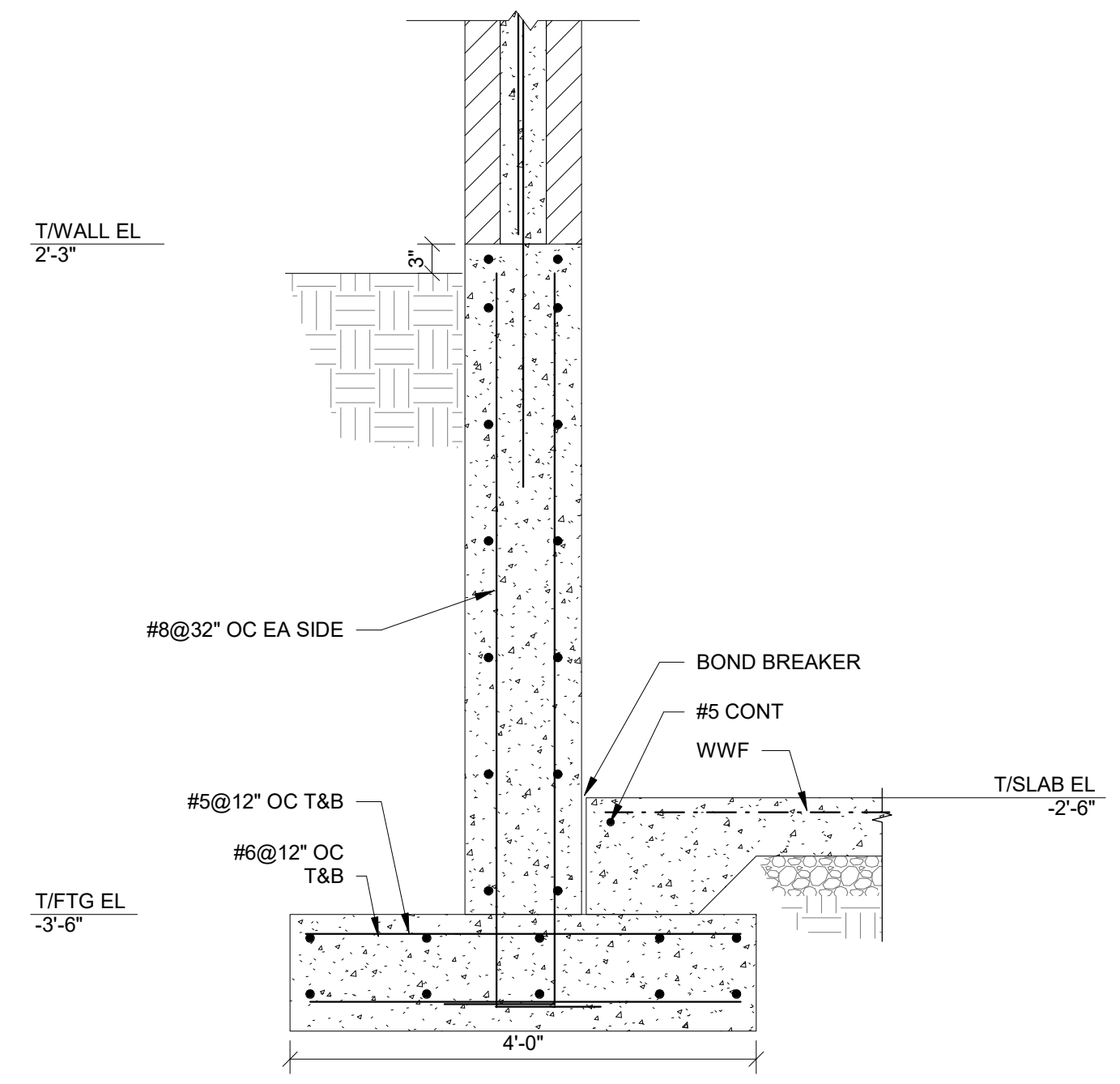
3 PUMP ROOM SLAB SECTION
S331 3/4" = 1'-0"



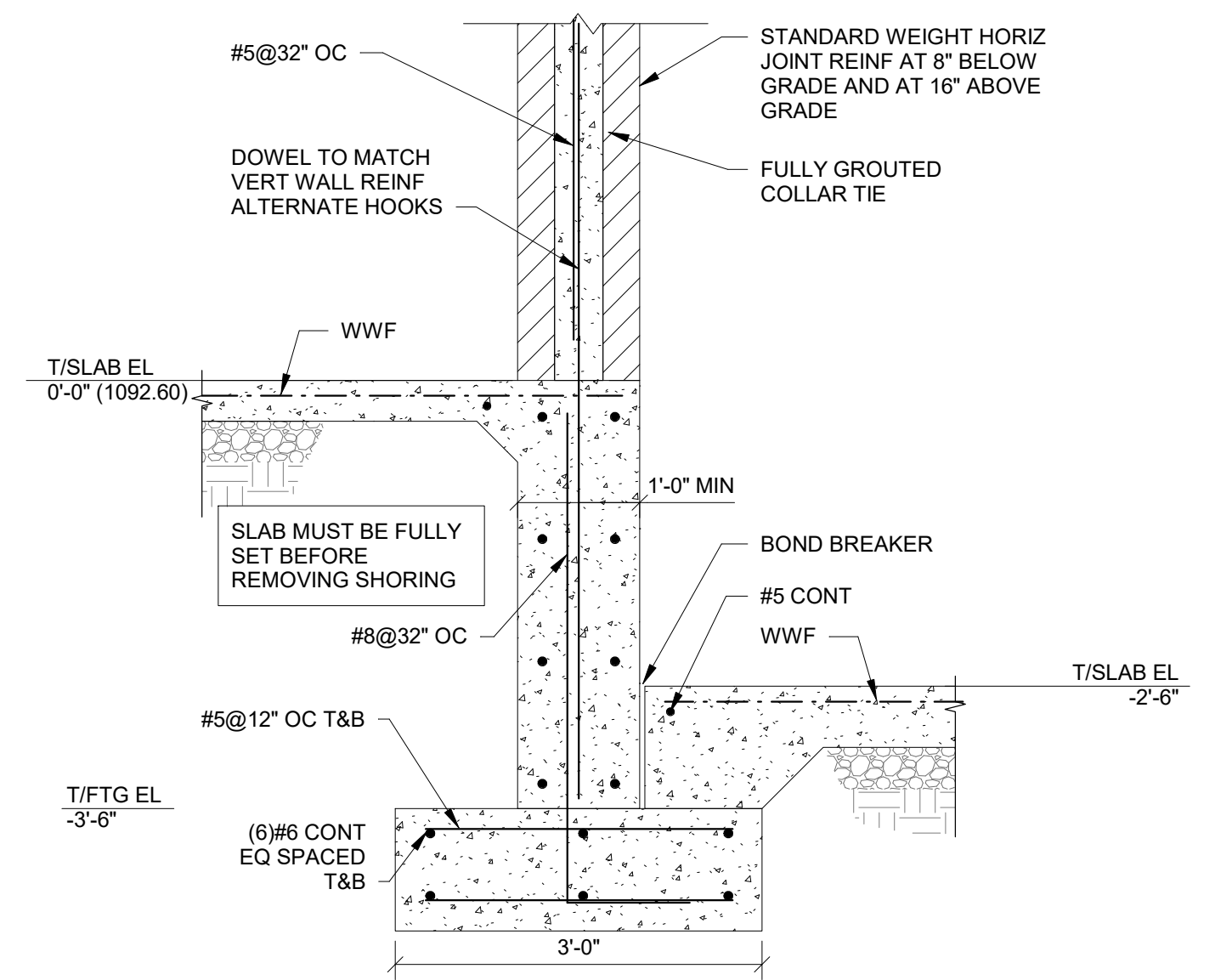
2 TYPICAL CONCRETE WALL AT JOINTS (DOUBLE LAYER)
S331 3/4" = 1'-0"



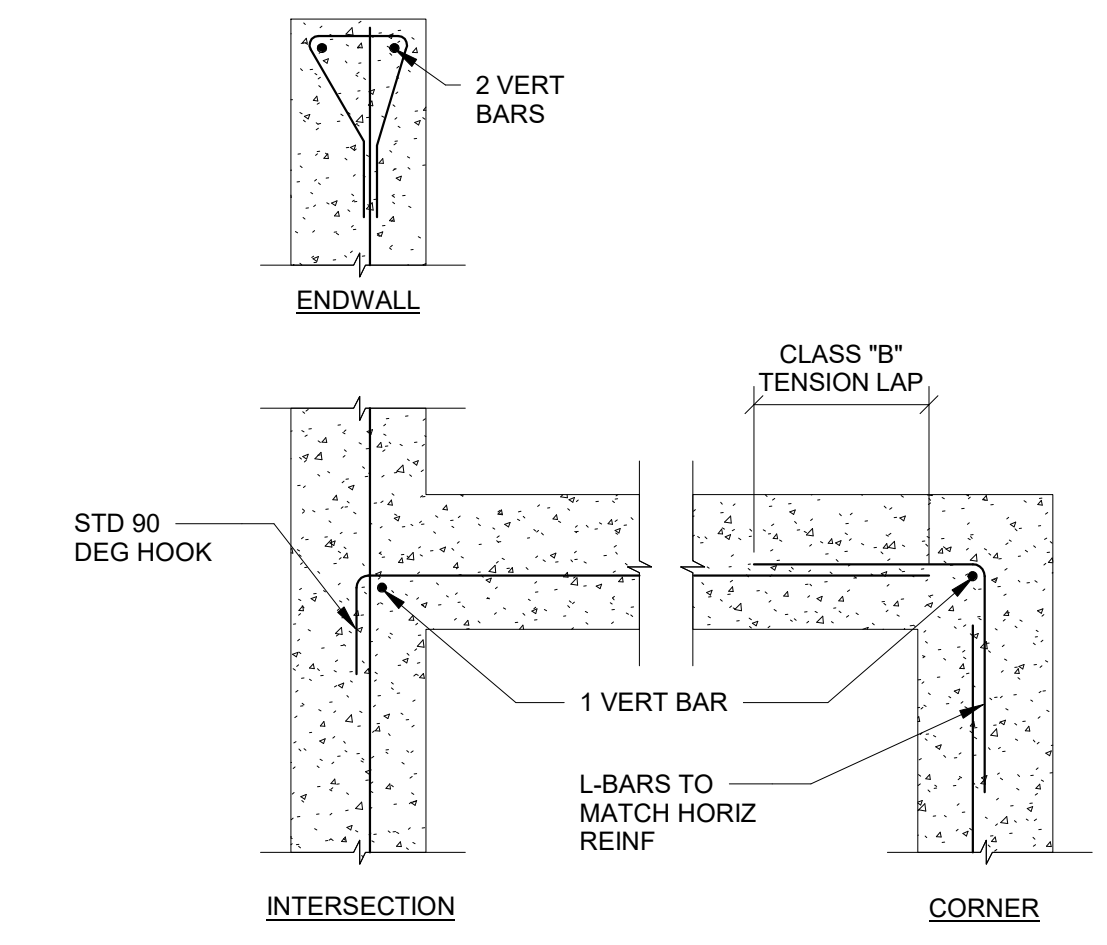
8 RESTROOM WALL SECTION AT 8" MASONRY WALL
S331 3/4" = 1'-0"



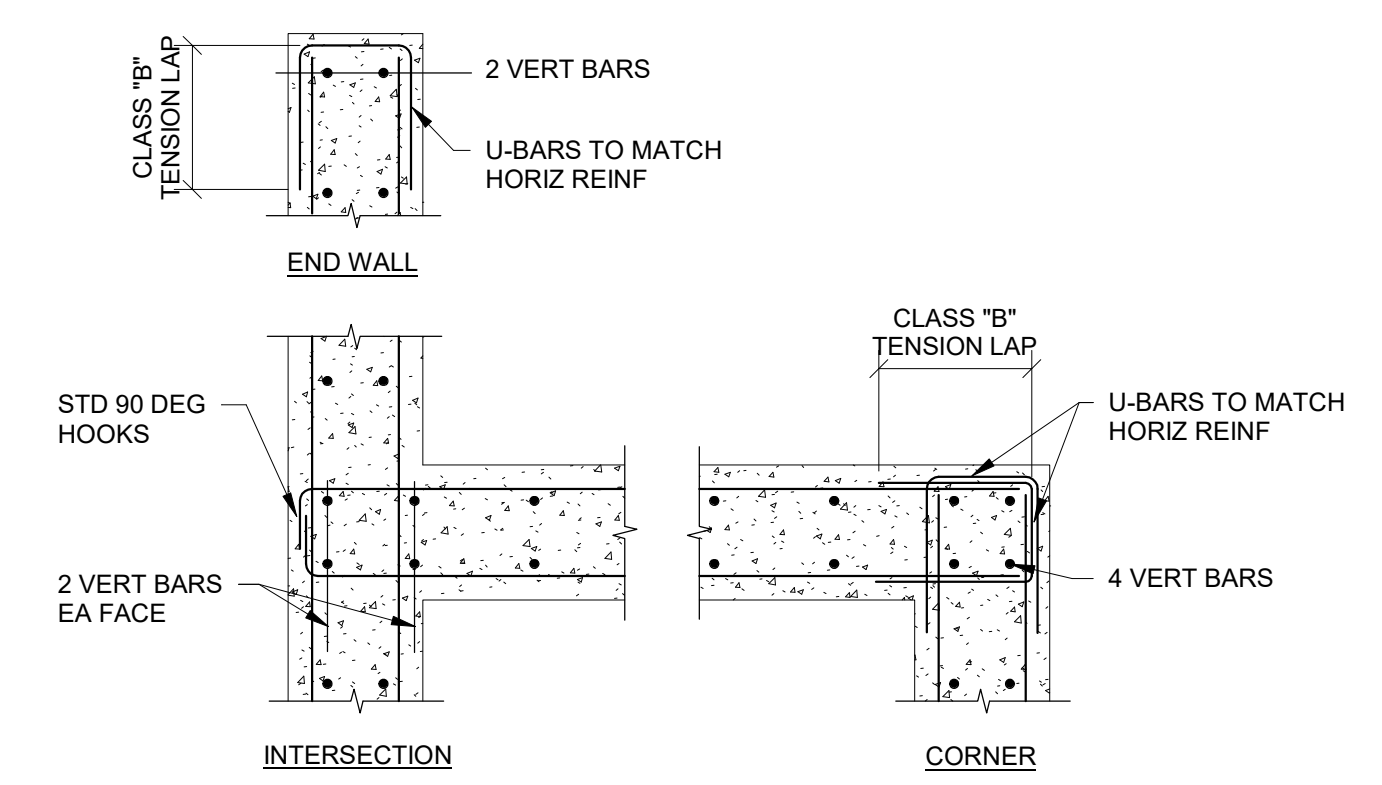
5 EXTERIOR SECTION AT PUMP ROOM SLAB
S331 3/4" = 1'-0"



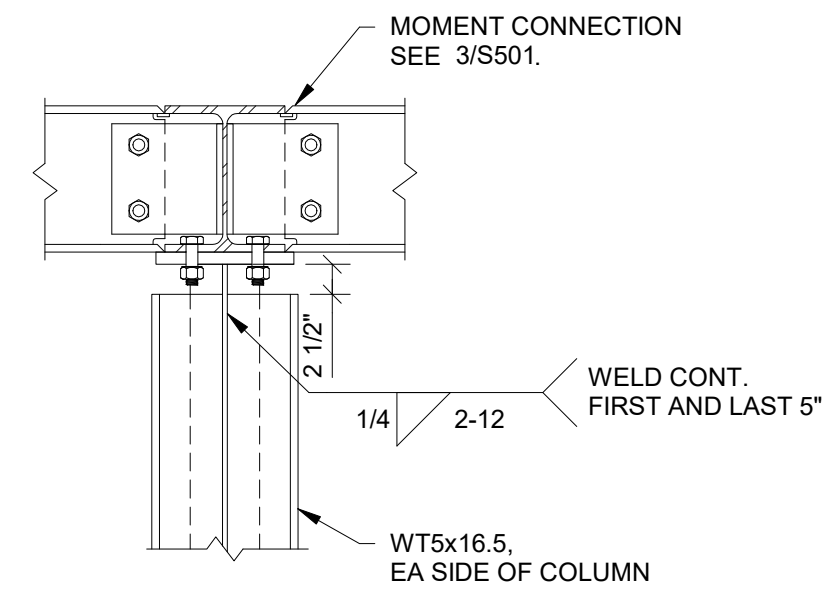
7 INTERIOR SECTION AT PUMP ROOM SLAB
S331 3/4" = 1'-0"



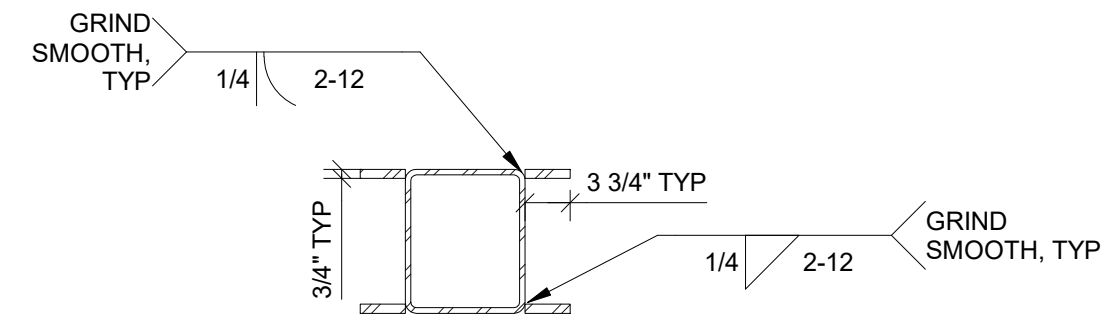
4 TYPICAL REINFORCING AT CONCRETE WALL INTERSECTIONS (SINGLE LAYER)
S331 3/4" = 1'-0"



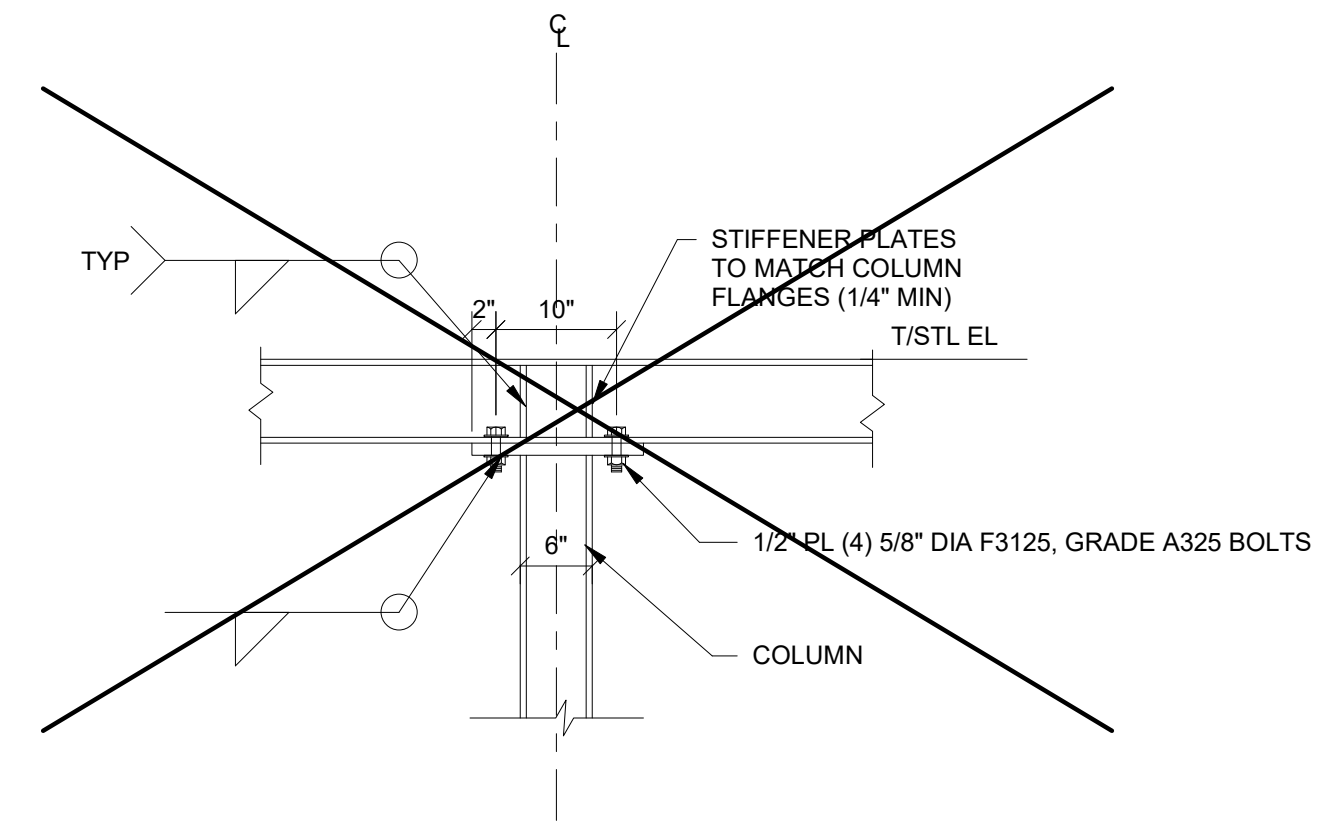
1 TYPICAL REINFORCING AT CONCRETE WALL AT INTERSECTIONS (DOUBLE LAYER)
S331 3/4" = 1'-0"



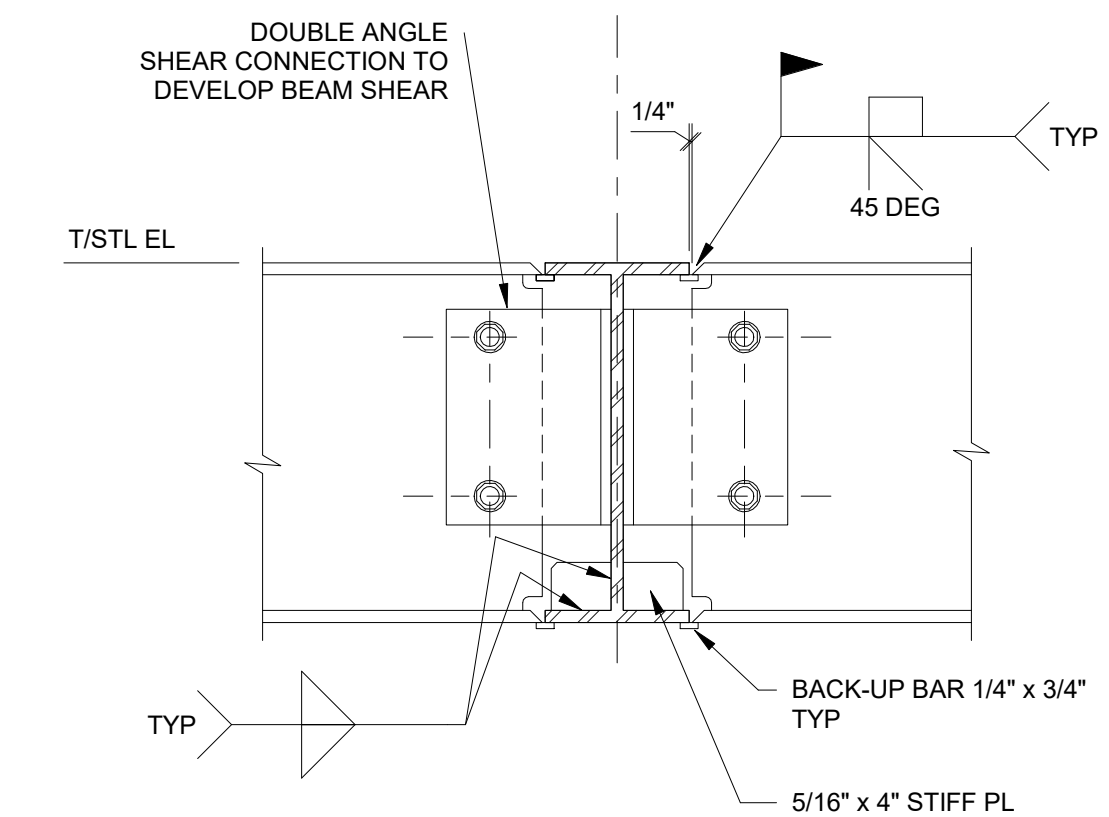
12 WT TO COLUMN ATTACHMENT
S501 3/4" = 1'-0"



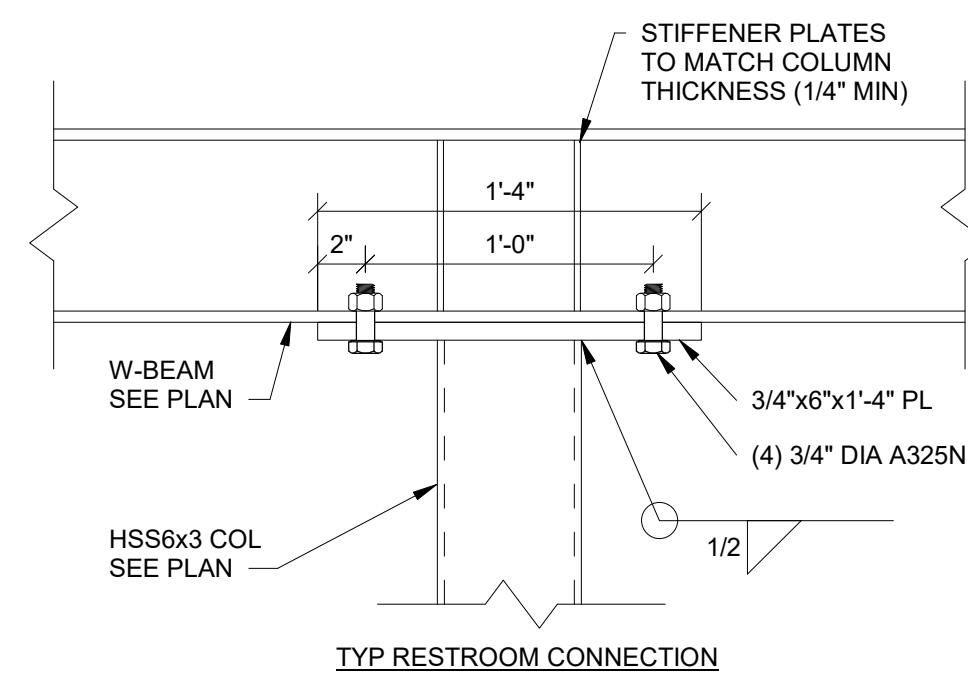
9 HSS 12x10 DECORATIVE PLATE ATTACHMENT
S501 3/4" = 1'-0"



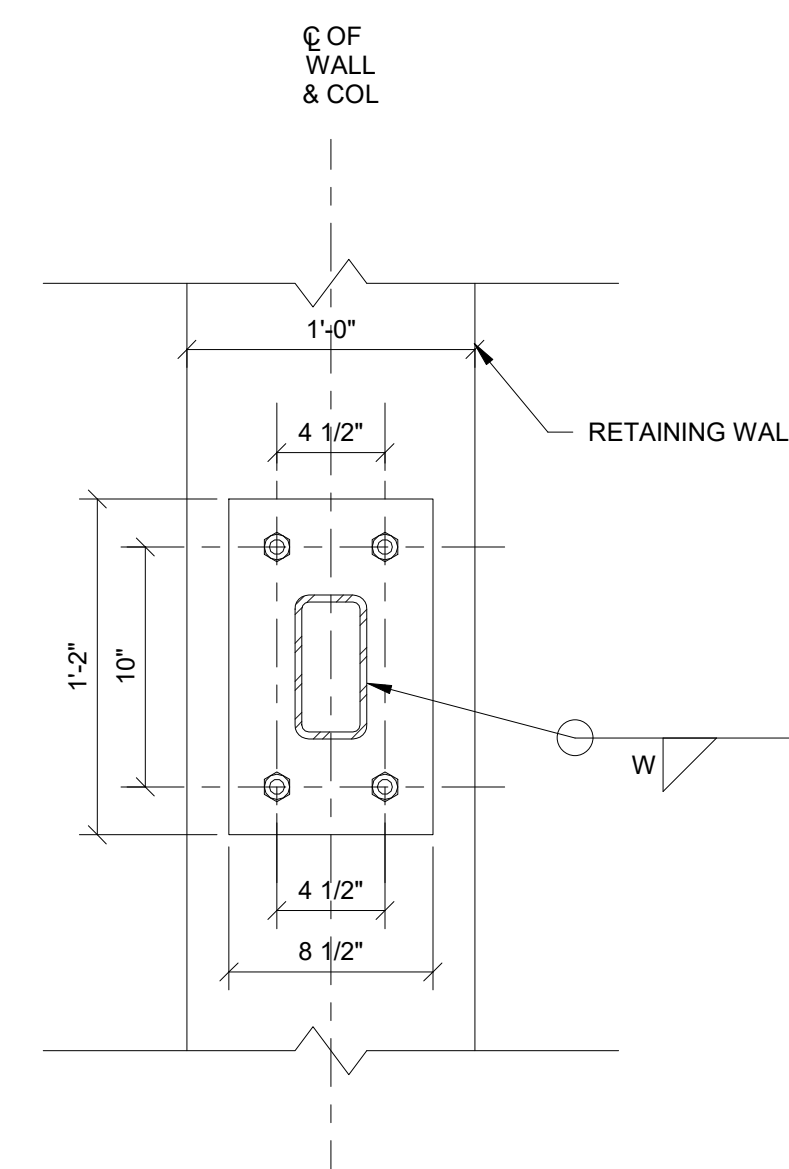
6 TRELLIS BEAM TO INTERIOR COLUMN CONNECTION **NOT USED**
S501 3/4" = 1'-0"



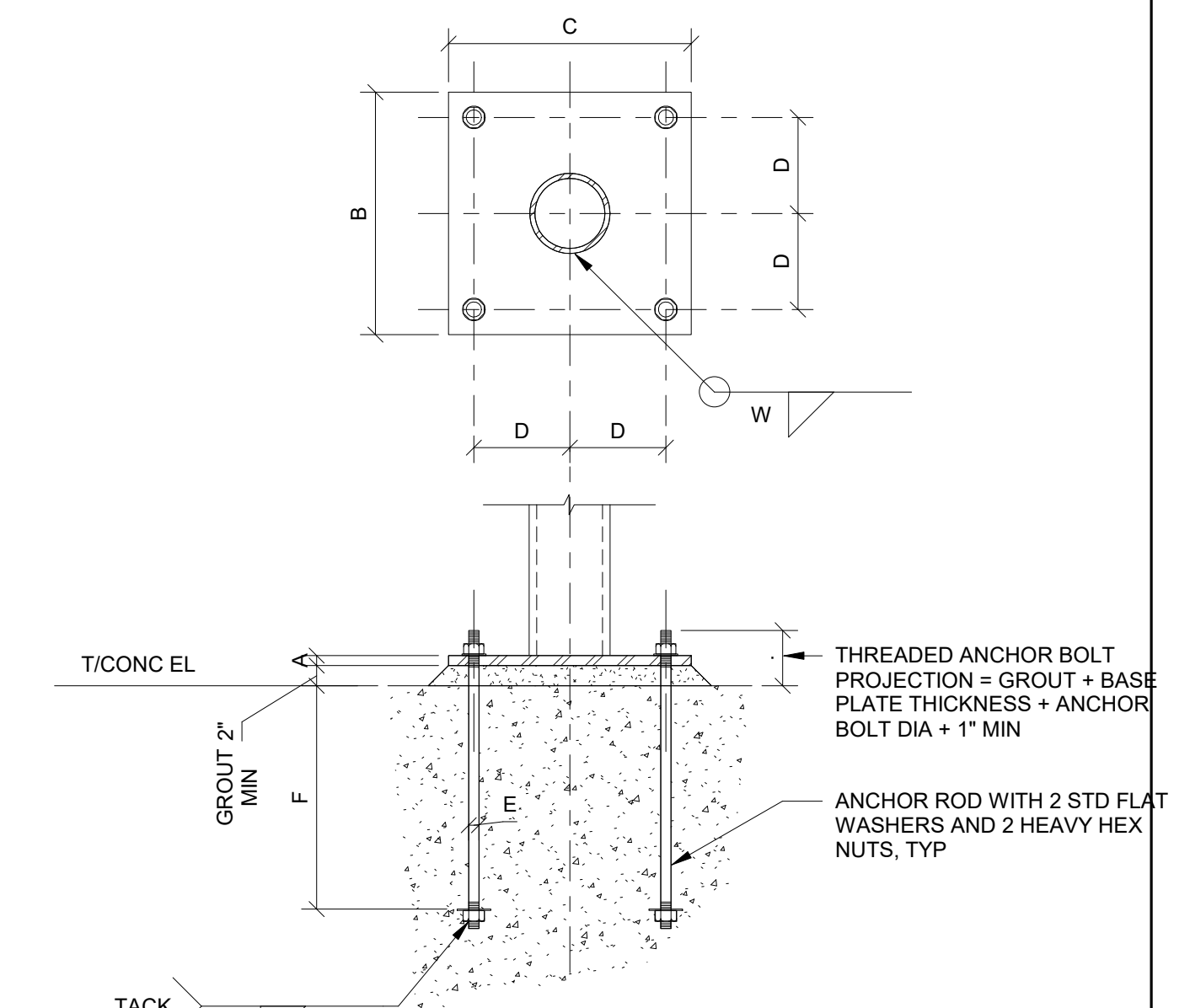
3 TYPICAL BEAM TO BEAM MOMENT CONNECTION (SAME DEPTH)
S501 3/4" = 1'-0"



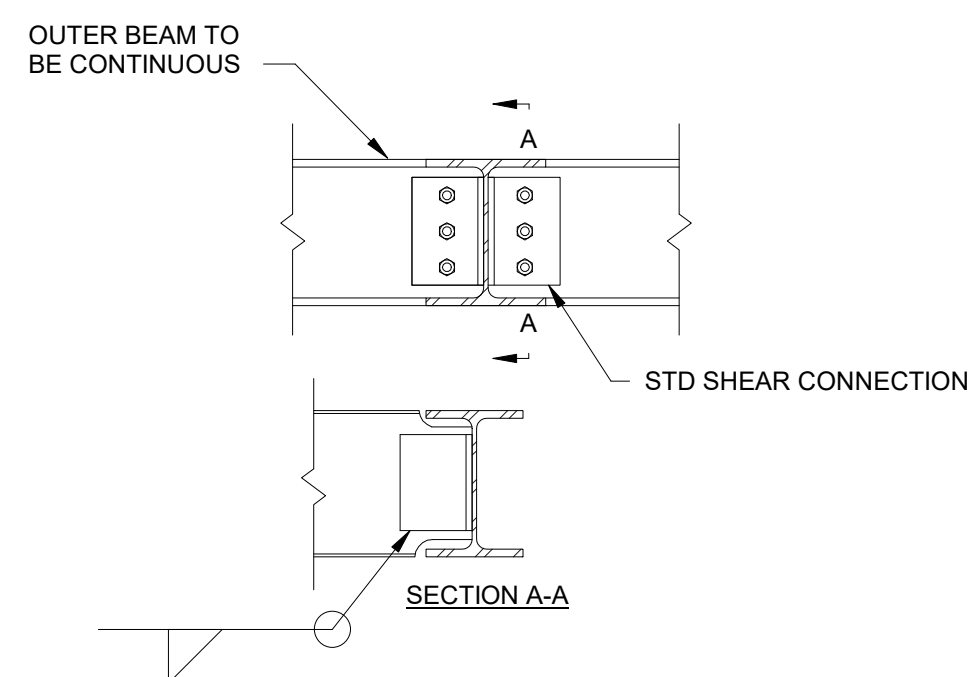
8 MOMENT CONNECTION AT RESTROOM CANOPY
S501 1 1/2" = 1'-0"



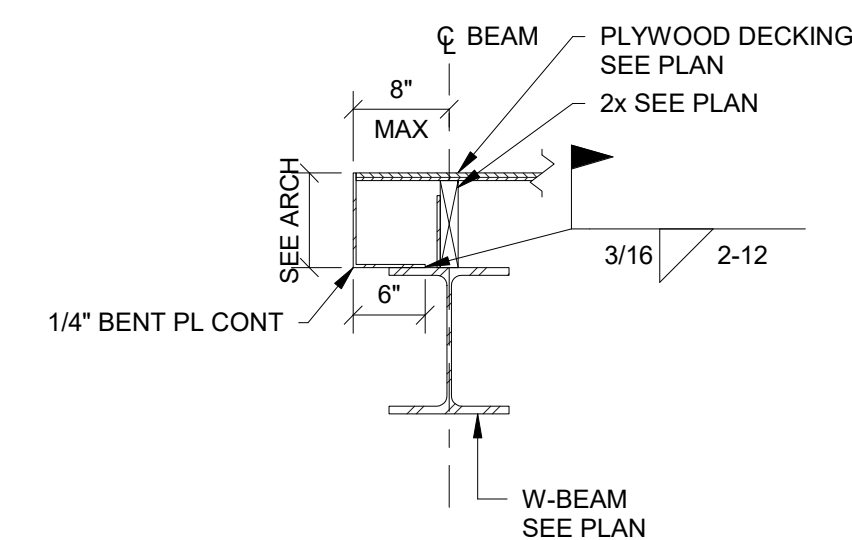
5 TYPICAL BASEPLATE AT RETAINING WALL
S501 1 1/2" = 1'-0"



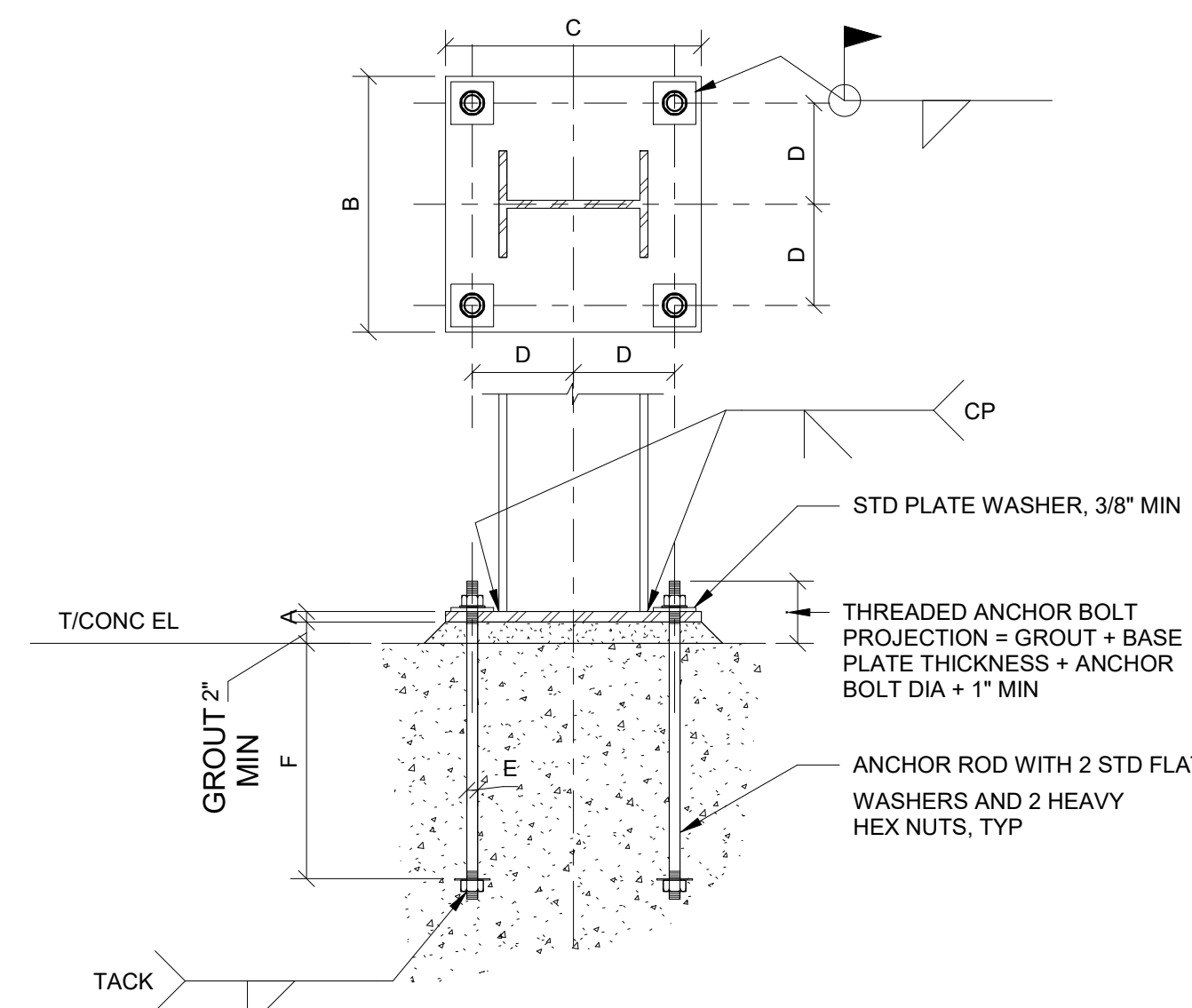
2 TYPICAL BASE PLATE AND ANCHOR BOLT (PIPE)
S501 3/4" = 1'-0"



10 TYPICAL SHEAR CONNECTION AT OUTER BEAM
S501 3/4" = 1'-0"



7 EDGE OF PAVILION CANOPY ROOF
S501 3/4" = 1'-0"



4 TYPICAL BASE PLATE AND ANCHOR BOLT (MOMENT CONN W/PLATE WASHERS)
S501 3/4" = 1'-0"

BASE PLATE AND ANCHOR BOLT SCHEDULE								
COLUMN MARK - REF DETAIL	BASE PLATE				ANCHOR BOLTS			WELD
	A	B	C	D	E	F	NO	W
B1 - 2/S501	1/2"	12"	12"	4"	5/8"	9"	4	5/16"
B2 - 4/S501	1 1/4"	18"	18"	7"	1"	9	4	CP
B3 - 2/S501	3/4"	12"	12"	4"	3/4"	9"	4"	5/16"
B4 - 4/S501	3/4"	12"	12"	4"	3/4"	9"	4	CP
B5 - 5/S501					5/8"	12"	4"	5/16"

1 BASE PLATE AND ANCHOR BOLT SCHEDULE
S501 12" = 1'-0"

Shear Structural
831 MONROE DRIVE
SUITE A102-491
ATLANTA, GA 30308
678.854.9201
SHEARSTRUCTURAL.COM

BARGE
DESIGN SOLUTIONS

2899 PACES FERRY ROAD, SUITE 850, ATLANTA, GA 30339
PHONE (770) 428-9311 FAX (770) 955-0660

SEAL:



STEEL FRAMING DETAILS

CITY OF TUCKER
TUCKER TOWN GREEN
4226 RAILROAD AVENUE, TUCKER, GA 30084

DATE
05/21/2024

DESCRIPTION
0 ISSUED FOR BID

S501

PROJ. NO. 006.23048

SEAL:



WOOD DETAILS

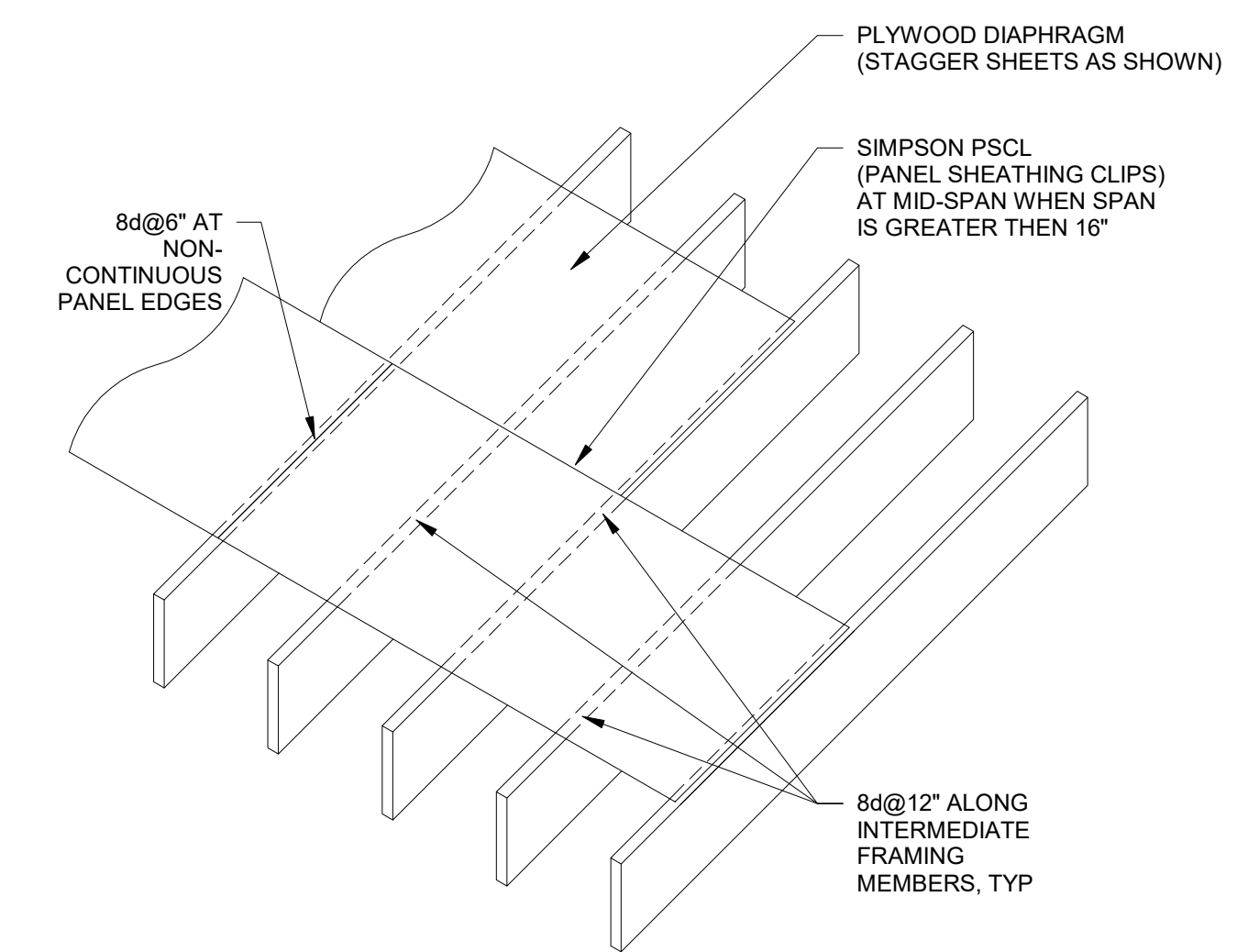
CITY OF TUCKER
TUCKER TOWN GREEN
4226 RAILROAD AVENUE, TUCKER, GA 30084

SHEET REVISIONS

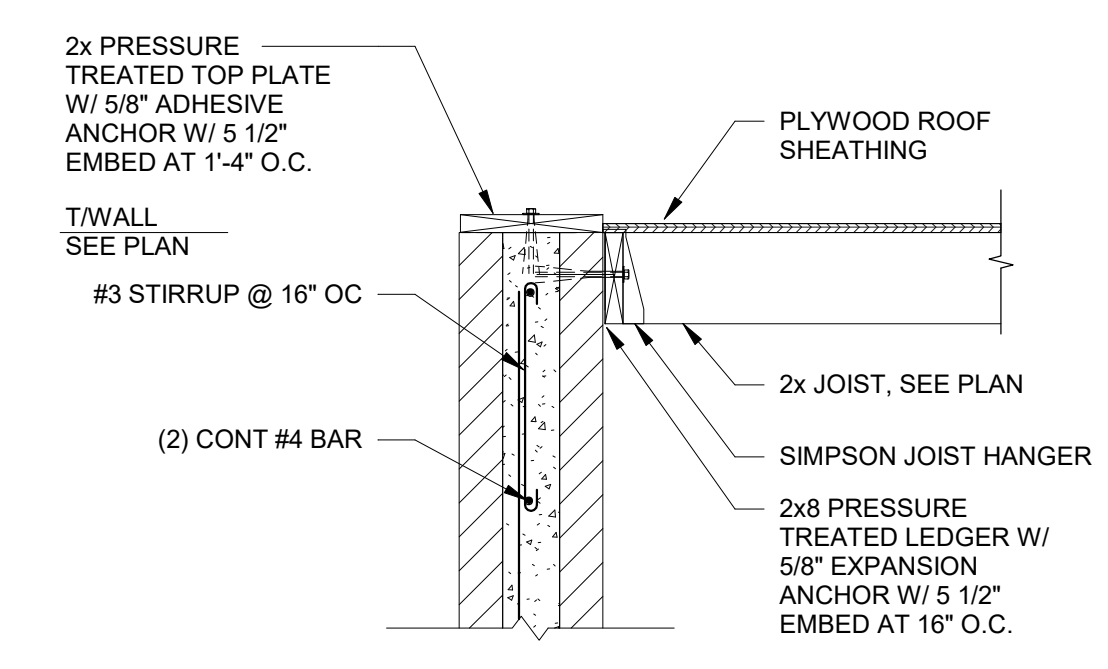
#	DESCRIPTION	DATE
0	ISSUED FOR BID	05/21/2024

S601

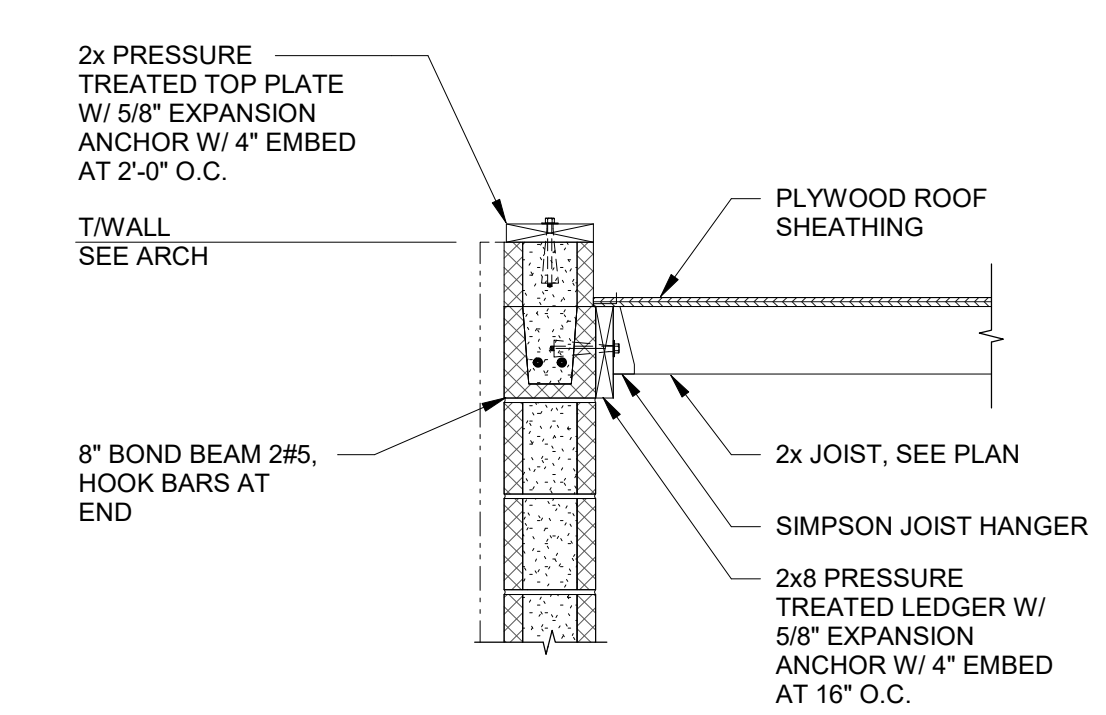
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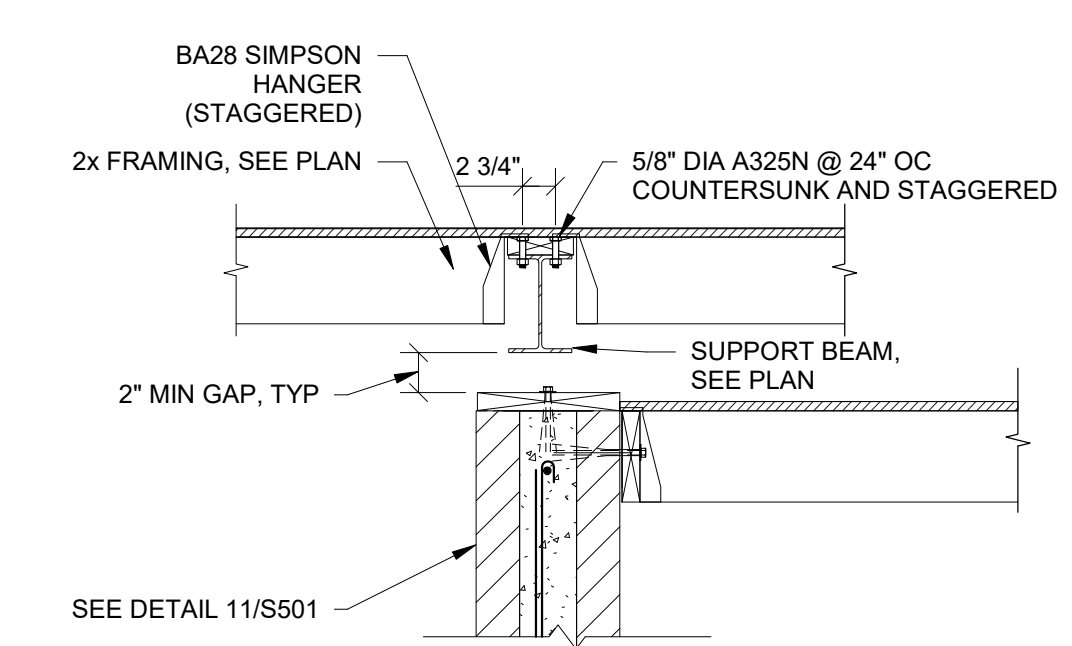
6 ROOF DIAPHRAGM DETAIL
S601 3/4" = 1'-0"



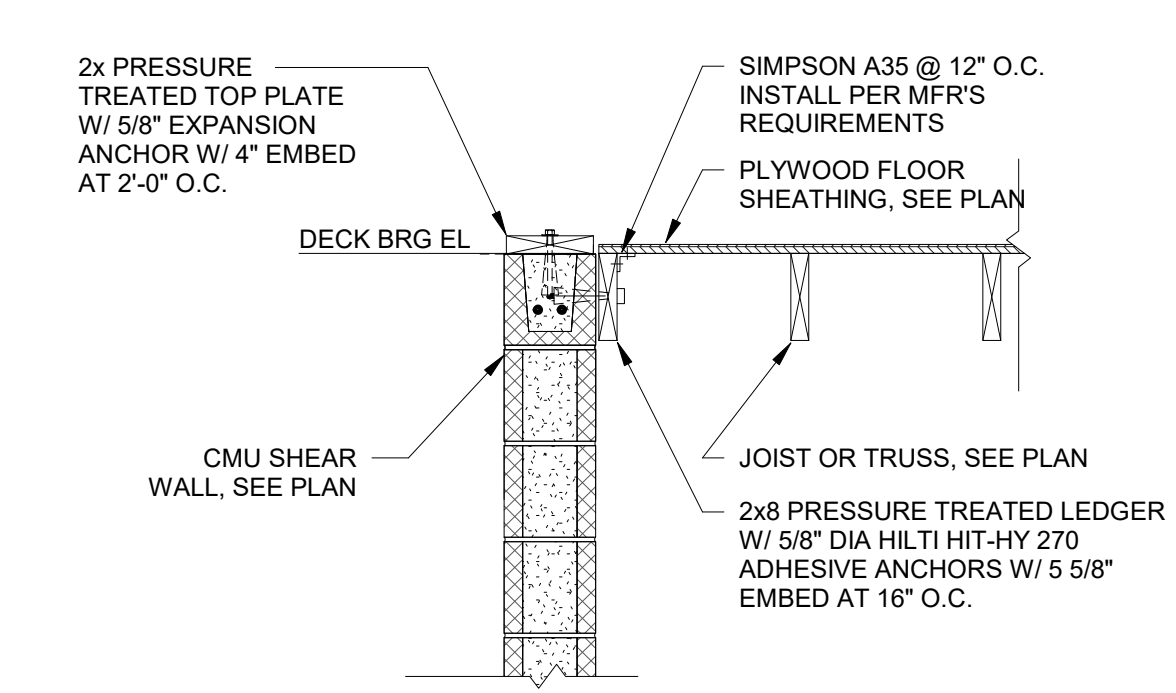
3 JOIST BEARING ON CMU WALL DETAIL
S601 3/4" = 1'-0"



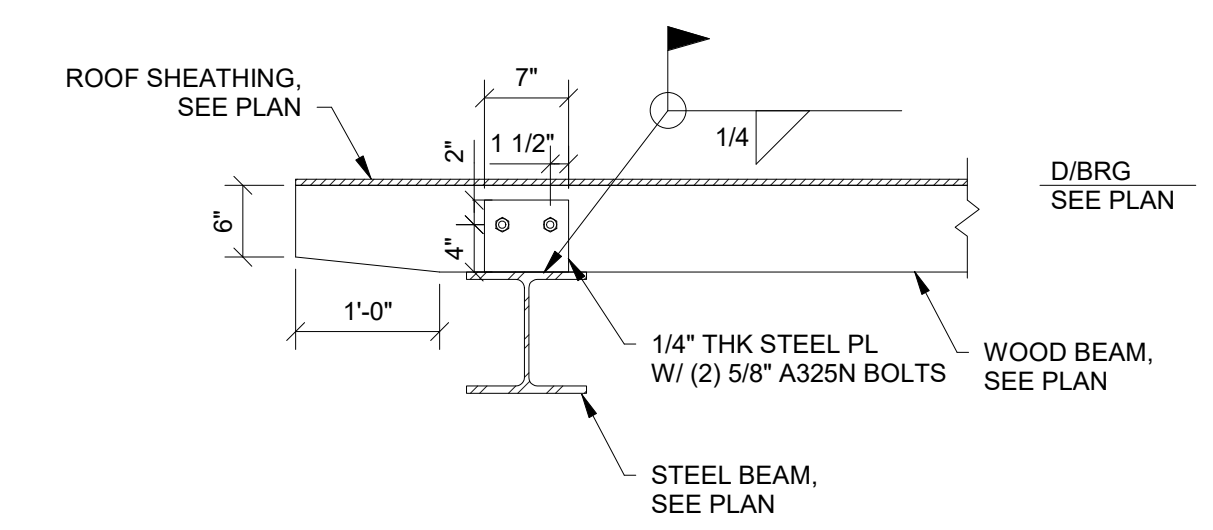
5 JOIST BEARING ON CMU WALL DETAIL
S601 3/4" = 1'-0"



2 TOP OF WALL AT RESTROOM
S601 3/4" = 1'-0"



4 JOIST PARALLEL TO CMU WALL
S601 3/4" = 1'-0"



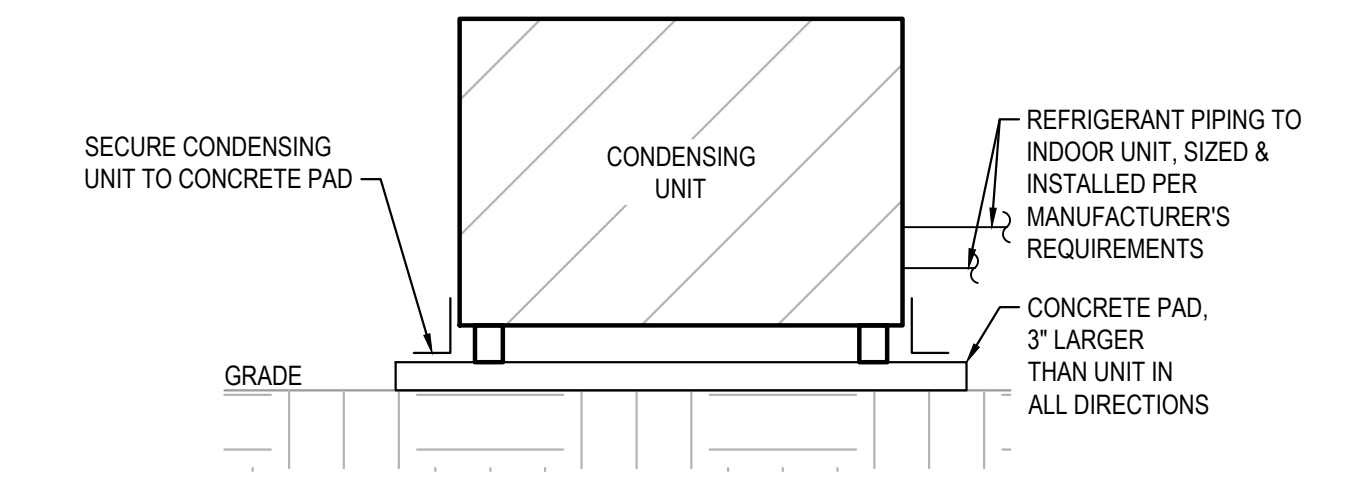
1 WOOD BEAM TO STEEL BEAM CONNECTION
S601 3/4" = 1'-0"



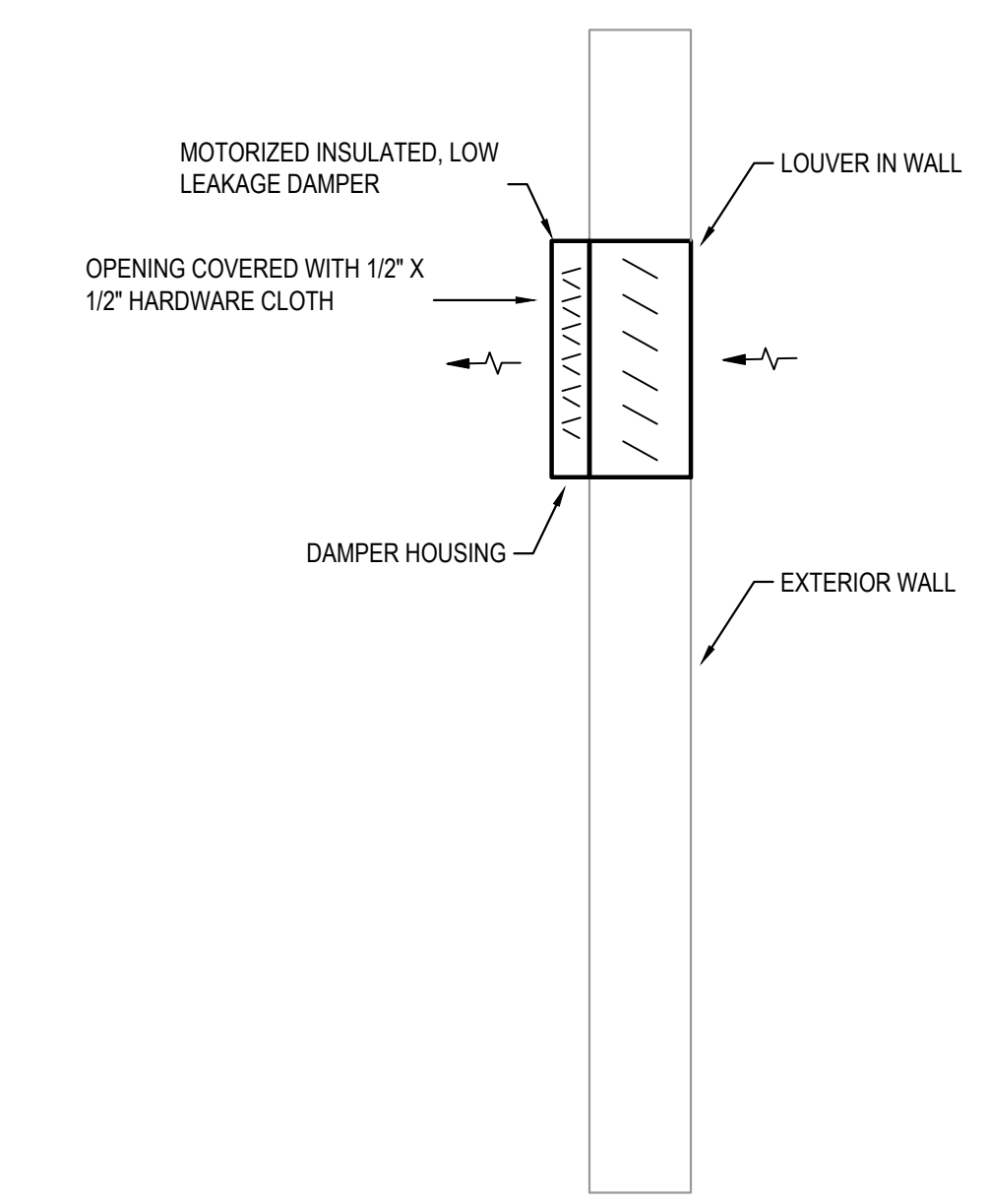
GENERAL NOTES:

- DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR NECESSARY TO PROVIDE A COMPLETE MECHANICAL SYSTEM COMPLIANT WITH ALL REQUIRED CODES & STANDARDS.
- CONTRACTOR SHALL VISIT THE SITE TO THOROUGHLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. IF EXISTING CONDITIONS DIFFER FROM DESIGN DOCUMENTS IN SUCH A MANNER THAT AFFECTS PRICING, THE CONTRACTOR SHALL ADJUST THE BID ACCORDINGLY AND NOTIFY THE OWNER & ENGINEER PRIOR TO SUBMITTING THE BID. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE REGARDING THE EXISTING CONDITIONS.
- ALL RETURN AIR AND TRANSFER AIR DUCTS SHALL BE LINED WITH 1" THICK DUCT LINER.
- PROVIDE NEW, 7-DAY PROGRAMMABLE THERMOSTAT INCLUDING PROGRAMMABLE OCCUPANCY SETTINGS FOR EACH RTU. ALL LOW VOLTAGE CONTROL WIRING SHALL BE INSTALLED AND WIRED TO EQUIPMENT AS A PART OF THIS CONTRACT.
- ALL LOW VOLTAGE CONTROL WIRING SHALL BE INSTALLED AND WIRED TO EQUIPMENT AS A PART OF THIS CONTRACT.
- ALL HVAC DUCT WORK SHALL BE INDEPENDENTLY SUPPORTED FROM ROOF STRUCTURE. VERIFY DURING INSPECTION.

LEGEND		
TAG	SYMBOL	DESCRIPTION
A/C		ABOVE CEILING
AHU		AIR HANDLER
BDD		BACKDRAFT DAMPER
B/F		BELOW FLOOR
CD	☒	CEILING DIFFUSER
CWS&R		CONDENSER WATER SUPPLY & RETURN
CFM		CUBIC FOOT PER MIN.
DB		DRY BULB
	—	NEW DUCT WORK
EXIST.	---	EXISTING DUCT / PIPE
EAT		ENTERING AIR TEMPERATURE
ESP		EXTERNAL STATIC PRESSURE
HP		HORSEPOWER
LAT		LEAVING AIR TEMPERATURE
LWT		LEAVING WATER TEMPERATURE
MD		MANUAL DAMPER
	☐	MOTOR OPERATED DAMPER
OA		OUTSIDE AIR
RA		RETURN AIR
RAG	☑	RETURN AIR GRILLE
SA		SUPPLY AIR
SR		SUPPLY REGISTER
	Ⓜ	THERMOSTAT



1 CONDENSING UNIT ON GRADE DETAIL
SCALE: N.T.S.



2 INTAKE LOUVER DETAIL
SCALE: N.T.S.

FAN SCHEDULE										
TAG	AIRFLOW (CFM)	ESP (IN. W.C.)	MOTOR POWER (W)	FAN SPEED (RPM)	TYPE	DRIVE TYPE	NOISE (SONES)	VOLTS / PHASE (V/Ø)	BASIS OF DESIGN	NOTES
EF-A	75	0.5	16	773	CEILING	DIRECT	2.5	120/1	GREENHECK SP-LP0511-1	1,2
EF-B	50	0.5	6	808	CEILING	DIRECT	2	120/1	GREENHECK SP-A50-90-VG	1,3
EF-1	1800	0.5	305	912	CEILING	DIRECT	3	120/1	GREENHECK CSP-A3300-VG	1,3

- NOTES:
- PROVIDE WITH BACKDRAFT DAMPER AND SPEED CONTROLLER FOR BALANCING.
 - FAN SHALL BE INTERLOCKED WITH LIGHTS.
 - FAN SHALL OPERATE CONTINUOUSLY.

ELECTRIC HEATER SCHEDULE								
TAG	AIRFLOW (CFM)	BLOWER MOTOR POWER (HP)	HEATING CAPACITY (KW)	STAGES	TYPE	VOLTS / PHASE (V/Ø)	BASIS OF DESIGN	NOTES
CH-A	--	--	1.5	1	CEILING	120/1	REDD-I3000 SERIES	1
EUH-A	400	--	3.3	1	UNIT HEATER	208/3	REDD-I5100 SERIES	2

- NOTES:
- PROVIDE WITH RECESSED CEILING MOUNT, INTEGRAL DISCONNECT AND INTEGRAL THERMOSTAT. PROVIDE WITH SURFACE MOUNT ADAPTER WHERE INSTALLED ON CONCRETE WALL AND RECESS
 - MOUNTING KIT WHERE INSTALLED IN FRAME WALL, INTEGRAL DISCONNECT, AND INTEGRAL TAMPER PROOF THERMOSTAT.

DUCTLESS SPLIT SYSTEM SCHEDULE																			
TAG	SUPPLY AIRFLOW (CFM)	ESP (IN. W.C.)	MOTOR POWER (W)	OUTSIDE AIR (CFM)	COOLING					HEAT PUMP					VOLTAGE/PHASE		TYPE	BASIS OF DESIGN	NOTES
					TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB/WB (°F)	OUTDOOR TEMP DB (°F)	MIN. EER2	MIN. SEER2	TOTAL CAPACITY (MBH)	EAT DB (°F)	OUTDOOR TEMP DB (°F)	MIN. HSPF2	INDOOR UNIT (V/Ø)	OUTDOOR UNIT (V/Ø)			
DFC-1/DCU-1	270	--	50	--	9	7.1	80 / 67	95	13.4	21.5	11	68	47	11.1	208/1	208/1	CEILING CASSETTE	MITSUBISHI NTXCKS09A112A / NTXMSH42A152BA	1,2
DFC-2/DCU-1	270	--	50	--	9	7.1	80 / 67	95	13.4	21.5	11	68	47	11.1	208/1	208/1	CEILING CASSETTE	MITSUBISHI NTXCKS09A112A / NTXMSH42A152BA	1,2
DFC-3/DCU-1	270	--	50	--	9	7.1	80 / 67	95	13.4	21.5	11	68	47	11.1	208/1	208/1	CEILING CASSETTE	MITSUBISHI NTXCKS09A112A / NTXMSH42A152BA	1,2
DFC-4/DCU-1	270	--	50	--	9	7.1	80 / 67	95	13.4	21.5	11	68	47	11.1	208/1	208/1	CEILING CASSETTE	MITSUBISHI NTXCKS09A112A / NTXMSH42A152BA	1,2

- NOTES:
- PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL HAVE PROGRAMMABLE OCCUPANCY PERIODS TO ENERGIZE SUPPLY FAN DURING OCCUPIED PERIODS.
 - PROVIDE 120 V CONDENSATE PUMP CAPABLE OF 1 GPH @ 5 FT. HD. LITTLE GIANT EC-1 OR EQUAL.



LEGEND, NOTES, DETAILS & SCHEDULES

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID
1	
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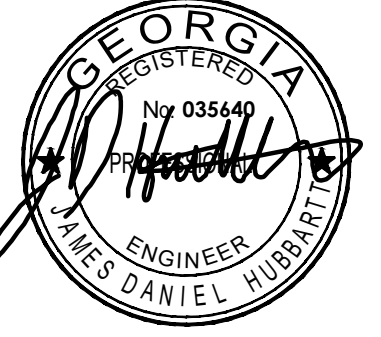
M001
PROJ. NO. : 3808805



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Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax
cassinger@westside-engineering.com

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DESIGN SOLUTIONS

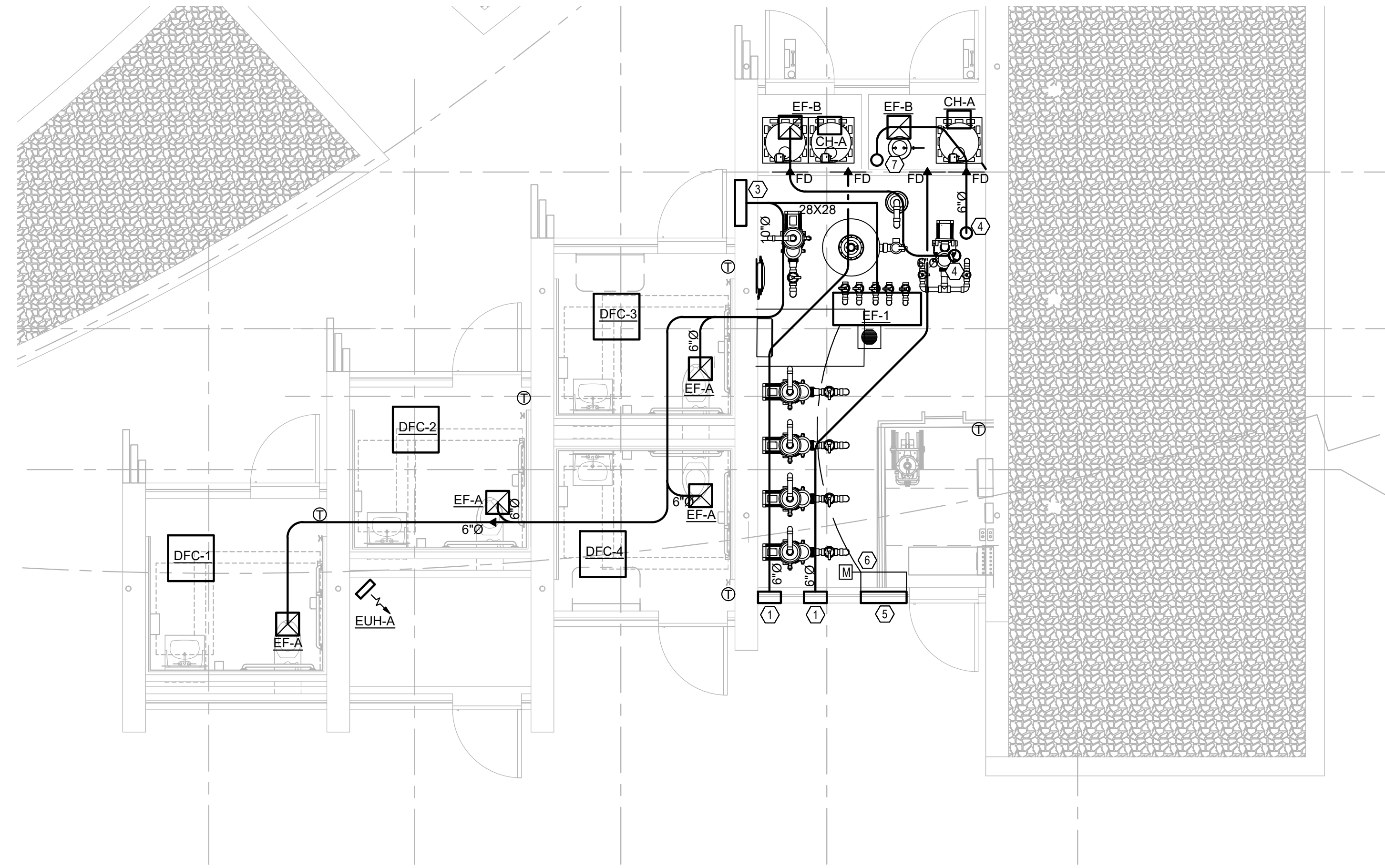
2389 Paces Ferry Road / Suite 650 / Atlanta, GA 30339
PHONE (770) 628-7531 / FAX (770) 865-0903



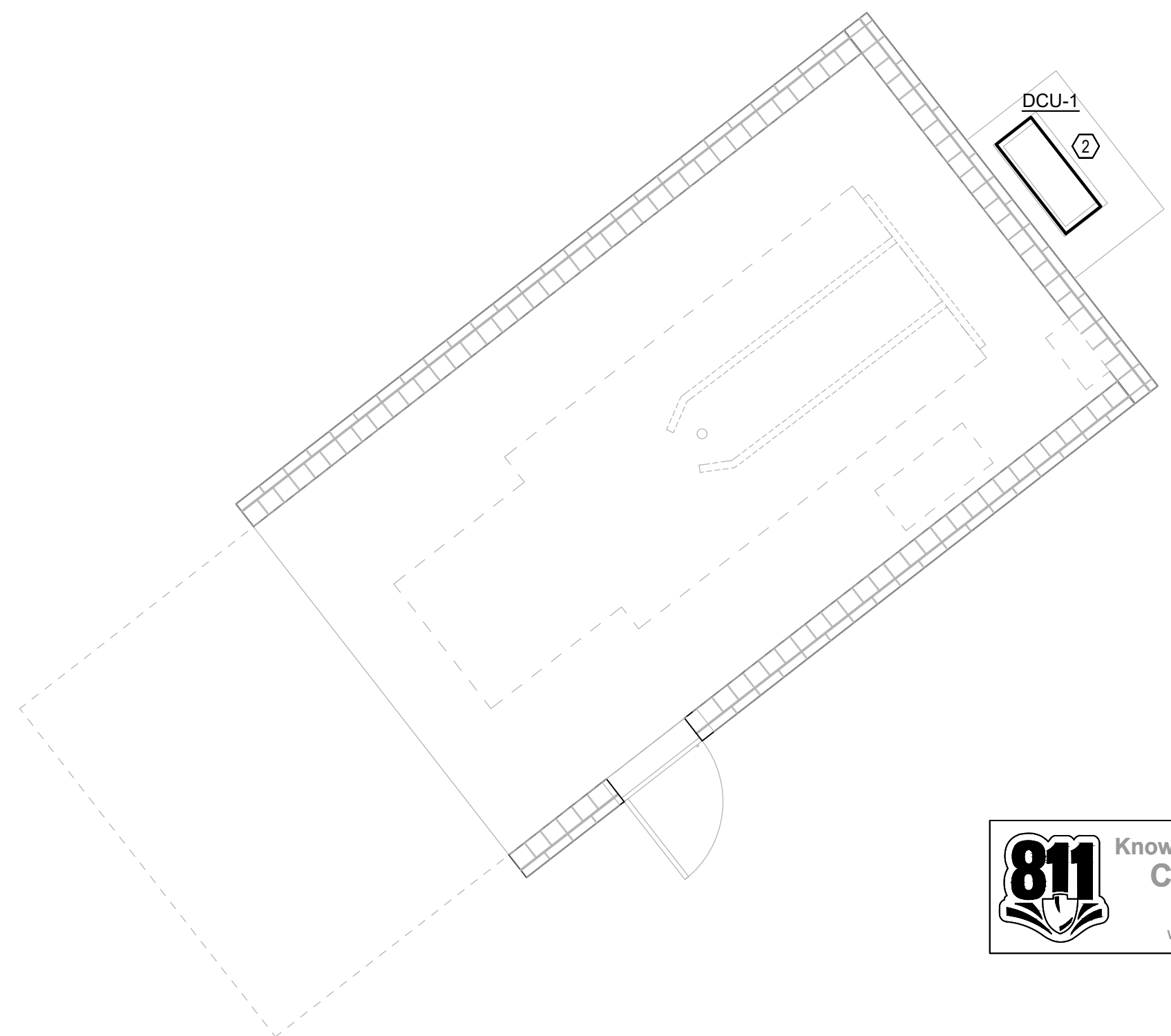
MECHANICAL PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

KEY NOTES

1. INTAKE LOUVER SHALL BE 12" TALL, WIDTH SHALL MATCH THE METAL PANELS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. BASIS OF DESIGN GREENWICK 650-455. FIELD COORDINATE LOCATION LOW ON WALL. PROVIDE WITH BACKDRAFT DAMPER. PROVIDE FAUX GRILLES AS NEEDED.
2. FIELD COORDINATE CONDENSER UNIT LOCATION NEXT TO COMPACTOR, REFER TO ARCHITECTURAL PLANS.
3. EXHAUST LOUVER SHALL BE 24" OR 2.3 SF MINIMUM FREE AREA, BASIS OF DESIGN GREENWICK 650-455. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LOCATION.
4. EXHAUST DUCT UP TO ROOF CAP.
5. INTAKE LOUVER SHALL BE 24" OR 2.3 SF MINIMUM FREE AREA, BASIS OF DESIGN GREENWICK 650-455. FIELD COORDINATE LOCATION.
6. INTAKE LOUVER SHALL BE INTERLOCKED WITH EF-1.
7. ROUTE 6" Ø DUCT TO WITHIN 12" OF THE FLOOR.



M1 PAVILION - FLOOR PLAN



REV	OR	CHK	DATE	DESCRIPTION
0		JPH	05/21/2024	ISSUED FOR BID

M101

PROJ. NO. : 3808805

LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MOUNT	VOLTAGE	LAMP QTY	LAMP WATTAGE / TYPE	MANUFACTURER	CATALOG NUMBER	NOTES
A	8' LINEAR LED PENDANT, FINISH BY ARCHITECT	PENDANT	120	-	24W LED 3500K	STRUCTURA	AURA-LNR-D-8-L35-MO-XX-CA-	
B	4' STRIP, 4000 LUMENS.	SURFACE	120	-	35W LED 4000K	METALUX	48CLED-LD4-40SL-F-UNV-L835-CD1-U	1
C	RECESSED 3" LED	RECESSED	120	-	4.5W LED 3500K	BEGA	RECESSED WALL LUMINAIRE	
D	LED FLOOD LIGHT, FINISH BY ARCHITECT	GROUND	120	-	13.2W LED 3500K	PROFESSIONAL OUTDOOR LIGHTING	1043-XX-MF-35-D-MV-010	
E	LED DOWNLIGHT 6", 1500 LUMENS.	RECESSED	120	-	17.5W LED 3500K	LITHONIA LIGHTING	LDN6-35/15-LOGAR-LSS-MVOLT-6Z10	
F	6' SUSPENDED LINEAR LED, FINISH BY ARCHITECT	PENDANT	120	-	40W LED 3500K	BARTCO	BSW255-6-35-RD-1-R-R-1-A-C4-SN-XX	
G	LED FLOOD LIGHT, STAINLESS STEEL FINISH	GROUND	120	-	3W LED 3500K	BEGA	GARDEN FLOODLIGHT	
H	6' LINEAR LED, FINISH BY ARCHITECT	SURFACE	120	-	36W LED 3500K	FOCAL POINT	FSM1-FL-62SLF-35K-1C-UNV	1
PB	BOLLARD LIGHT	POLE	120	-	30W LED 3500K	-	TBD	
PL	PEDESTRIAN LIGHTING	POLE	120	-	50W LED 3500K	-	TBD	
PK	PARKING LIGHTING	POLE	120	-	50W LED 3500K	-	TBD	

NOTES:
1. PROVIDE WITH 90-MINUTE BATTERY BACKUP WHERE INDICATED ON DRAWINGS. LINEAR FIXTURES SHALL HAVE 600 LUMEN INVERTER. DOWNLIGHTS SHALL HAVE INTEGRAL TEST SWITCH.

GENERAL ELECTRICAL NOTES:

- FOR EXACT LOCATION OF EQUIPMENT MOUNTED IN SUSPENDED CEILINGS, SUCH AS LIGHTING FIXTURES, AND SMOKE DETECTORS, SEE ARCHITECTURAL REFLECTED CEILING PLANS. ARCHITECTURAL REFLECTED PLAN SHALL GOVERN FINAL LOCATION.
- PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL WIRING DEVICE WITH ARCHITECTURAL ELEVATION TO AVOID CONFLICTS WITH CASEWORK, COUNTER TOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCURS, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION.
- ALL MOUNTING HEIGHT DIMENSIONS ARE TO THE CENTER OF THE OUTLET BOX UNLESS OTHERWISE NOTED.
- FOR EXACT LOCATION OF ALL EXTERIOR LIGHTING FIXTURES MOUNTED ON EXTERIOR OF BUILDING, ARCHITECTURAL ELEVATIONS SHALL GOVERN.
- PRIOR TO ROUGH-IN FOR ALL LIGHTING SWITCHES, VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS.
- THE CONTRACTOR SHALL USE CARE WHEN CUTTING OPENINGS FOR OUTLET BOXES IN CMU WALLS. OUTLET BOXES SHALL BE INSTALLED IN CMU WALLS SECURELY WITH EPOXY.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING OUTLET BOX INSTALLATION WITH WALL FINISH (GYPSUM FURRING, TILE, ETC). THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY EXTENSION RINGS NECESSARY TO ACCOMMODATE WALL FINISHES.
- ALIGN VERTICALLY AND HORIZONTALLY ALL LIGHT SWITCHES, THERMOSTATS, FIRE ALARM PULL STATIONS, ETC. ALL THESE ITEMS SHALL BE CLUSTERED WHERE POSSIBLE. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- COORDINATE MOUNTING OF ALL EXTERIOR DISCONNECT WITH ARCHITECTURAL ELEVATIONS, IF NOT INDICATED ON ARCHITECTURAL ELEVATIONS, REQUEST ELEVATIONS OF DISCONNECT SWITCHES FROM ARCHITECT IN WRITING PRIOR TO ROUGH-IN.
- ALL CONDUITS FOR LOW VOLTAGE OUTLETS SHALL BE DEDICATED TO A SINGLE BOX. NO DAISY CHAINING OR SHARING OF CONDUITS BETWEEN LOW VOLTAGE OUTLET BOXES IS PERMITTED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
- PROVIDE FIELD IDENTIFICATION FOR PANELBOARDS AND SWITCHBOARDS (IF APPLICABLE) PER NEC 408.4. ADDITIONALLY, EACH RECEPTACLE AND DISCONNECT SHALL HAVE A PRINTED LABEL WITH SPECIFIC PANEL AND CIRCUIT NUMBER.
- PROVIDE PERMANENT NAMEPLATE LABEL FOR PANELBOARDS IDENTIFYING COLOR CODING FOR BRANCH CIRCUITS, IN ACCORDANCE WITH NEC 210.5(C)(1).
- PER NEC 408.6, AVAILABLE FAULT CURRENT AND THE DATE THE CALCULATION WAS PERFORMED MUST BE FIELD MARKED ON THE ENCLOSURE AT THE POINT OF THE SUPPLY. THE MARKING MUST BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED PER 110.24.

ABBREVIATIONS

A	- AMPERES	MCB	- MAIN CIRCUIT BREAKER
A.F.F.	- ABOVE FINISHED FLOOR	MLO	- MAIN LUG ONLY
A.F.G.	- ABOVE FINISHED GRADE	NTS	- NOT TO SCALE
BFG	- BELOW FINISHED GRADE	P	- POLE
C	- CONDUIT	PNL	- PANEL
ETR	- EXISTING TO REMAIN	SN	- SOLID NEUTRAL
F	- FUSE	U.O.N.	- UNLESS OTHERWISE NOTED
GFI	- GROUND FAULT CIRCUIT INTERRUPTING	V	- VOLTS
G	- GROUND	W	- WIRE
KVA	- KILO VOLT AMP	WP	- WEATHERPROOF/GFI
KW	- KILOWATT		

UTILITY NOTES:

- PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED.

FIRE PROOFING NOTES:

- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE STOPPING AT ALL WALL, FLOOR AND CEILING PENETRATIONS WHERE CONDUIT PENETRATIONS OCCUR.
- PROVIDE FIRE STOPPING AT CONDUIT PENETRATIONS PER UL.

DEVICE PLATE NOTE:

ALL COVERPLATES SHALL BE NYLON WITH FINISH PER ARCHITECT. ALL DEVICES (SWITCHES, RECEPTACLES, ETC) SHALL BE FINISH BY ARCHITECT (UON). COORDINATE WITH ARCHITECTURAL PLANS.

LIGHTING CONTROL COMMISSIONING:

COMMISSION ALL AUTOMATIC LIGHTING CONTROLS IN ACCORDANCE WITH THE 2015 IECC ENERGY CODE. COORDINATE TESTING WITH LIGHTING CONTROLS SUPPLIER.

DO NOT SCALE EQUIPMENT, DEVICE, LIGHTING, ETC LOCATIONS FROM DRAWINGS. ELECTRICAL DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWINGS FROM OTHER TRADES AND RELEVANT SECTIONS OF SPECIFICATIONS. REFER TO ARCHITECTURAL/INTERIORS PLANS FOR EXACT LOCATIONS OF DEVICES. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.

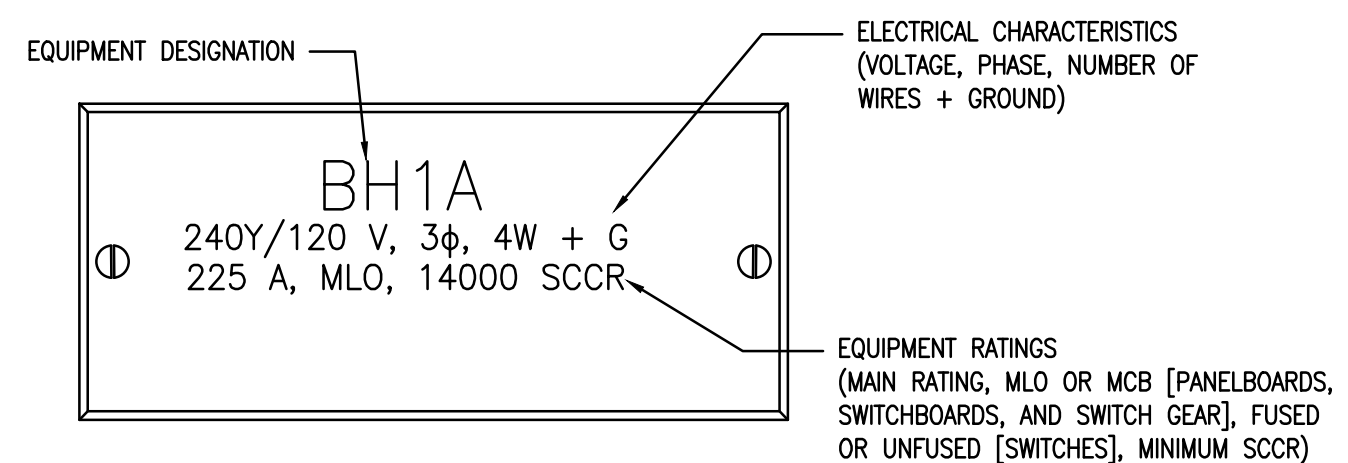
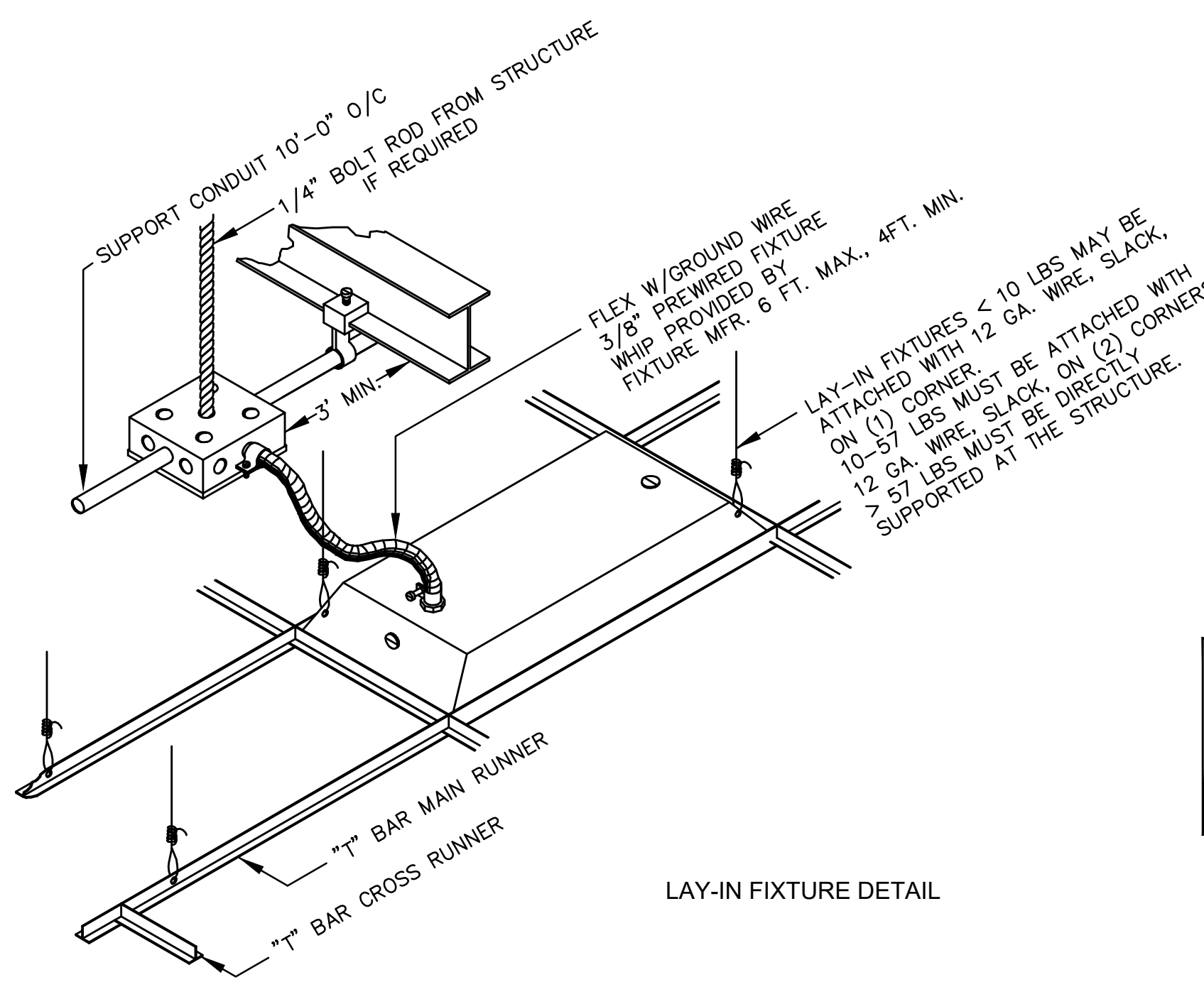
WIRE SIZE CHART:

CONTRACTOR SHALL PROVIDE WIRING FOR 120V. CIRCUITS (LINE TO NEUTRAL) OF SIZES BELOW DEPENDING UPON CIRCUIT LENGTH BELOW:

< 100 FT	#12 AWG (CU)
100-160 FT	#10 AWG (CU)
160-250 FT	#8 AWG (CU)

UTILITY COORDINATION

CONTRACTOR SHALL ESTABLISH COMMUNICATION WITH THE DESIGNATED ELECTRICAL UTILITY PROVIDER AND COORDINATE ALL UTILITY METERING AND SERVICE REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK AND ELECTRICAL GEAR PROCUREMENT. CONTRACTOR SHALL OBTAIN THE AVAILABLE FAULT CURRENT AT THE TRANSFORMER SUPPLIED BY THE UTILITY AND INCLUDE THIS INFORMATION WITH THE ELECTRICAL GEAR SUBMITTAL FOR ENGINEERING EVALUATION. WHERE UTILITY METERING AND SERVICE REQUIREMENTS DIFFER FROM THOSE SHOWN WITHIN PLANS, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD PRIOR TO ROUGH IN OR ORDERING ELECTRICAL GEAR.



NAMEPLATE BACKGROUND COLORS SHALL BE BLACK FOR NORMAL POWER SUPPLY SYSTEMS, RED FOR LEGALLY REQUIRED EMERGENCY POWER SUPPLY SYSTEMS, AND YELLOW FOR OPTIONAL STANDBY POWER SUPPLY SYSTEMS.

EQUIPMENT NAME PLATES

ELECTRICAL LEGEND

LIGHTING

- [Symbol] LIGHTING FIXTURE
- [Symbol] EMERGENCY LIGHTING FIXTURE AND/OR NIGHTLIGHT AS INDICATED
- [Symbol] DOWNLIGHT.
- [Symbol] EXIT LIGHTING FIXTURE, FACE PLATES (DARKENED) AND DIRECTIONAL ARROWS AS INDICATED. PROVIDE WITH BATTERY BACKUP. CONNECT AHEAD OF LOCAL SWITCH.
- [Symbol] SINGLE POLE SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- [Symbol] THREE-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- [Symbol] FOUR-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- [Symbol] DIMMER SWITCH, 46" A.F.F. PROVIDE WATTAGE AS REQUIRED. PROVIDE DIMMER SWITCH COMPATIBLE WITH LED LIGHT FIXTURE. PROVIDE WIRING AS REQUIRED FROM DIMMER TO LIGHT FIXTURE. COORDINATE WITH FIXTURE MANUFACTURER.
- [Symbol] THREE-WAY SWITCH WITH PILOT LIGHT, 20A, 120/277 VOLT, 46" A.F.F..
- [Symbol] CEILING MOUNTED OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- [Symbol] WALL MOUNTED SWITCH, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- [Symbol] (2) WALL MOUNTED SWITCHES, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- [Symbol] WALL MOUNTED DIMMER SWITCH, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.

POWER

- [Symbol] DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
- [Symbol] (2) DUPLEX GROUNDING TYPE RECEPTACLES IN COMMON BOX, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
- [Symbol] DUPLEX ISOLATED GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.. RECEPTACLE BODY SHALL BE ORANGE.
- [Symbol] DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
- [Symbol] WEATHER RESISTANT RATED, DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNT HORIZONTALLY 18" A.F.F., U.O.N., IN CAST OUTLET BOX WITH GASKET DEVICE COVER.
- [Symbol] DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R. MOUNT HORIZONTALLY 6" A.F.F. FOR WATER COOLER.
- [Symbol] SPECIAL RECEPTACLE, AMPERAGE, AND VOLTAGE AS INDICATED, 18" AFF, UON.
- [Symbol] PROVIDE COMBINATION USB CHARGER AND TAMPER RESISTANT RECEPTACLE. LEVITON DEVICE #T5632. COORDINATE LOCATIONS WITH ARCHITECT.
- [Symbol] RECEPTACLE/TELEPHONE/DATA OUTLETS, FLUSH MOUNT IN FLUSH MOUNTED FLOOR BOX WITH RUBBER OR THERMOPLASTIC CARPET COVER PLATE. PROVIDE NUMBER AND TYPE OF DEVICES PER PLANS. COORDINATE DEPTH OF FLOOR BOX WITH SLAB DEPTH. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE 3/4" CONDUIT WITH CONDUCTORS INDICATED FOR SERVICE TO RECEPTACLE OUTLET. PROVIDE (1) 1-1/4" CONDUIT WITH PULLWIRE FROM EACH SPECIAL SYSTEMS OUTLET TO ABOVE NEAREST ACCESSIBLE CEILING FOR SPECIAL SYSTEM WIRING BY OTHERS.
- [Symbol] PANELBOARD, 120/208 VOLT, 3 PHASE, 4 WIRE, SN
- [Symbol] ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE ONE #12 PHASE CONDUCTOR, ONE #12 NEUTRAL CONDUCTOR, AND ONE #12 GROUNDING CONDUCTOR (PLUS ONE INSULATED, ISOLATED GROUNDING CONDUCTOR WHEN SERVING ISOLATED GROUND TYPE DEVICES) IN 1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS SHALL BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. MULTIPLE SINGLE PHASE CONDUCTORS SERVING ISOLATED GROUND RECEPTACLES SHALL NOT SHARE COMMON NEUTRALS. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED AS ALLOWED BY THE NEC. BRANCH CIRCUIT CONDUCTORS IN CONDUIT SHALL BE RUN CONCEALED IN WALLS AND/OR ABOVE CEILINGS, IN/OR BELOW FLOORS, EXCEPT IN EXPOSED CONSTRUCTION AREAS. FLUORESCENT LIGHTING CIRCUITS SERVING SWITCHED FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL CONTAIN ONE UNSWITCHED CONDUCTOR. FLUORESCENT DIMMING CIRCUITS SERVING DIMMING BALLASTS SHALL BE PROVIDED WITH WIRING AS REQUIRED BY BALLAST MANUFACTURER. MULTIPLE PHASE LIGHTING CIRCUITS SERVING DIMMED LOADS SHALL NOT SHARE COMMON NEUTRALS.
- [Symbol] JUNCTION BOX.
- [Symbol] DISCONNECT SWITCH, 240 OR 600 VOLTS AS REQUIRED. AMPS, POLES AND FUSING AS NOTED, NEMA 1, U.O.N.
- [Symbol] MOTOR RATED SWITCH. MOUNT WITHIN SIGHT OF EQUIPMENT.
- [Symbol] MOTOR CONNECTION, WITH INTEGRAL DISCONNECTING MEANS.
- [Symbol] STARTER
- [Symbol] KEYNOTE.

SPECIAL SYSTEMS

- [Symbol] TELEPHONE/DATA OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 1" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER. PROVIDE CAT6 CABLES AND CAT6 TERMINALS AS NOTED WITH CABLING BACK TO IDF ROOM. "D" SYMBOL ADJACENT TO DEVICE INDICATED NUMBER OF DATA CABLE RUNS.
- [Symbol] TELEPHONE OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER. PROVIDE CAT6 CABLES AND CAT6 TERMINALS AS NOTED WITH CABLING BACK TO IDF ROOM. "D" SYMBOL ADJACENT TO DEVICE INDICATED NUMBER OF DATA CABLE RUNS.
- [Symbol] TELEVISION OUTLET 18" A.F.F., U.O.N. SINGLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE COAX AND CAT6 CABLES AND COAX AND CAT6 TERMINALS WITH CABLING BACK TO MDF ROOM.
- [Symbol] TELEPHONE/TELEVISION BACKBOARD, 4' x 4' x 3/4" THICK EXTERIOR GRADE PLYWOOD. MOUNT VERTICALLY WITH BOTTOM OF PLYWOOD 6" A.F.F., U.O.N.

FIRE ALARM SYSTEMS

- [Symbol] FIRE ALARM PULL STATION. WALL MOUNT AT 46" A.F.F. (ON CENTER)
- [Symbol] FIRE ALARM HORN/STROBE. WALL MOUNT 80" A.F.F. TO BOTTOM OF LENS, (BOTTOM OF LENS 96" MAX A.F.F. OR 6" BELOW CEILING IN COMPLIANCE WITH NFPA 72.)
- [Symbol] FIRE ALARM STROBE. WALL MOUNT 80" A.F.F. TO BOTTOM OF LENS, (BOTTOM OF LENS 96" MAX A.F.F. OR 6" BELOW CEILING IN COMPLIANCE WITH NFPA 72.)
- [Symbol] FIRE ALARM SMOKE DETECTOR, PHOTOELECTRIC TYPE.
- [Symbol] FIRE ALARM HEAT DETECTOR.
- [Symbol] FIRE ALARM STROBE. CEILING MOUNT.
- [Symbol] FIRE ALARM HORN/STROBE. CEILING MOUNT.

DEVICE FINISHES / TYPE SHALL MATCH BUILDING STANDARDS



REV.	OR	CHK.	DATE	DESCRIPTION	ISSUED FOR
0			05/21/2024	REVISION INFORMATION	

E000

PROJ. NO. : 3808805



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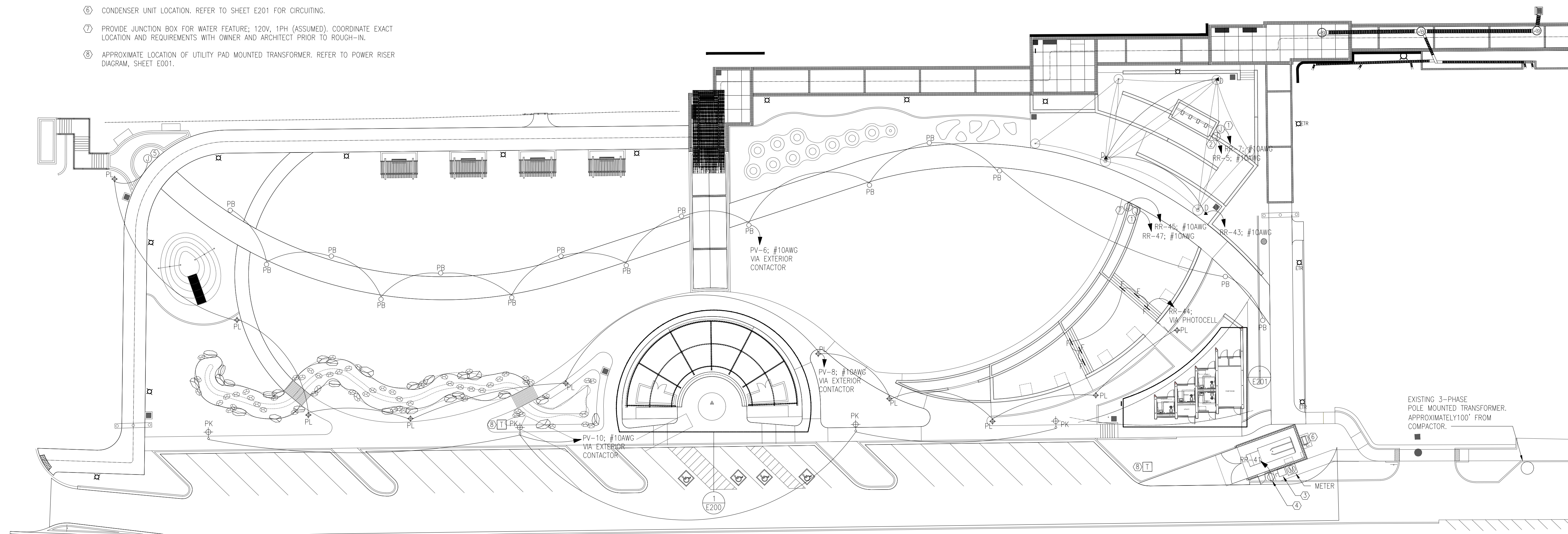
BARGE
DESIGN SOLUTIONS

2359 Peach Ferry Road / Suite 850 / Atlanta, GA 30339
PHONE (770) 628-7531 / FAX (770) 865-0903



KEYNOTES:

- ① PROVIDE JUNCTION BOX FOR WATER FEATURE LIGHTING. LIGHTING TO BE SUPPLIED BY TRIDENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. CONTROLS VIA LIGHTING CONTROL PANEL. SEE TRIDENT WF DRAWINGS FOR FURTHER INFORMATION.
- ② PROVIDE JUNCTION BOX FOR WATER FOUNTAIN; 120V, 1PH (ASSUMED). COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. CONTROLS VIA ANIMATION CONTROL PANEL. SEE TRIDENT WF DRAWINGS FOR FURTHER INFORMATION.
- ③ COMPACTOR; 208V, 3PH, 7.5KW. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH IN. CONNECT TO EXISTING TRANSFORMER VIA 3#10, 1#10G-1/2"C.
- ④ PROVIDE 120V CONNECTION FOR COMPACTOR CONTROLLER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH IN.
- ⑤ PROVIDE JUNCTION BOX FOR FUTURE SCULPTUR LIGHT. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- ⑥ CONDENSER UNIT LOCATION. REFER TO SHEET E201 FOR CIRCUITING.
- ⑦ PROVIDE JUNCTION BOX FOR WATER FEATURE; 120V, 1PH (ASSUMED). COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- ⑧ APPROXIMATE LOCATION OF UTILITY PAD MOUNTED TRANSFORMER. REFER TO POWER RISER DIAGRAM, SHEET E001.



SITE PLAN
SCALE: 1/8"=1'-0"
0 4' 8' 16'



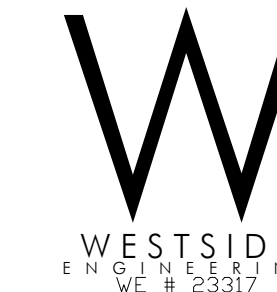
REVISION INFORMATION	
REV.	DESCRIPTION
0	ISSUED FOR BID

SITE PLAN

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

E100

PROJ. NO. : 3808805



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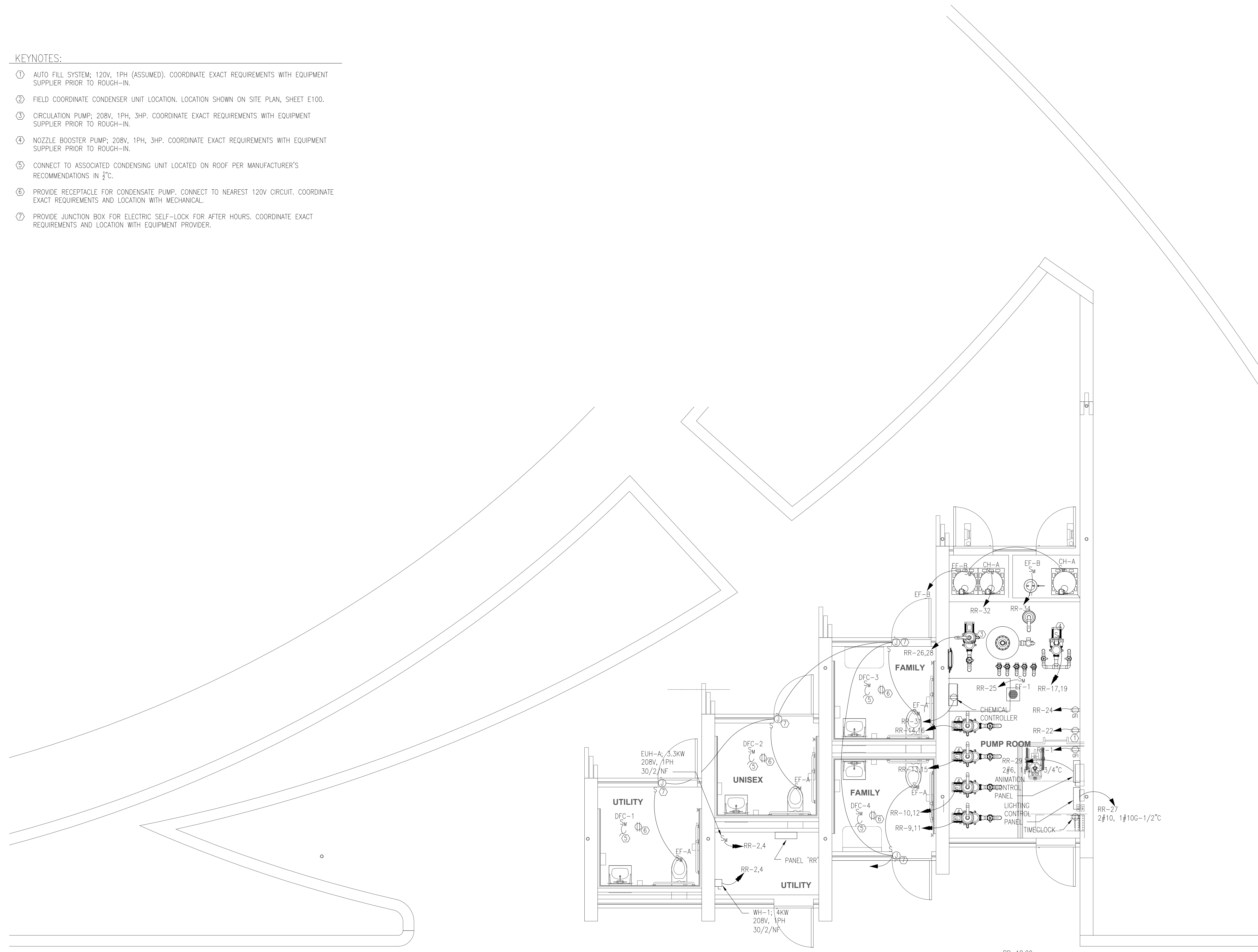
BARGE
DESIGN SOLUTIONS

2389 Peach Ferry Road / Suite 650 / Atlanta, GA 30339
PHONE (770) 628-7531 / FAX (770) 865-0903



KEYNOTES:

- ① AUTO FILL SYSTEM; 120V, 1PH (ASSUMED). COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- ② FIELD COORDINATE CONDENSER UNIT LOCATION. LOCATION SHOWN ON SITE PLAN, SHEET E100.
- ③ CIRCULATION PUMP; 208V, 1PH, 3HP. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- ④ NOZZLE BOOSTER PUMP; 208V, 1PH, 3HP. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- ⑤ CONNECT TO ASSOCIATED CONDENSING UNIT LOCATED ON ROOF PER MANUFACTURER'S RECOMMENDATIONS IN 3/4".
- ⑥ PROVIDE RECEPTACLE FOR CONDENSATE PUMP. CONNECT TO NEAREST 120V CIRCUIT. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH MECHANICAL.
- ⑦ PROVIDE JUNCTION BOX FOR ELECTRIC SELF-LOCK FOR AFTER HOURS. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH EQUIPMENT PROVIDER.



RESTROOM - POWER & SYSTEMS PLAN



RESTROOM POWER & SYSTEMS PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	CHK.	DR.	DATE	DESCRIPTION
0			05/21/2024	ISSUED FOR BID

E201

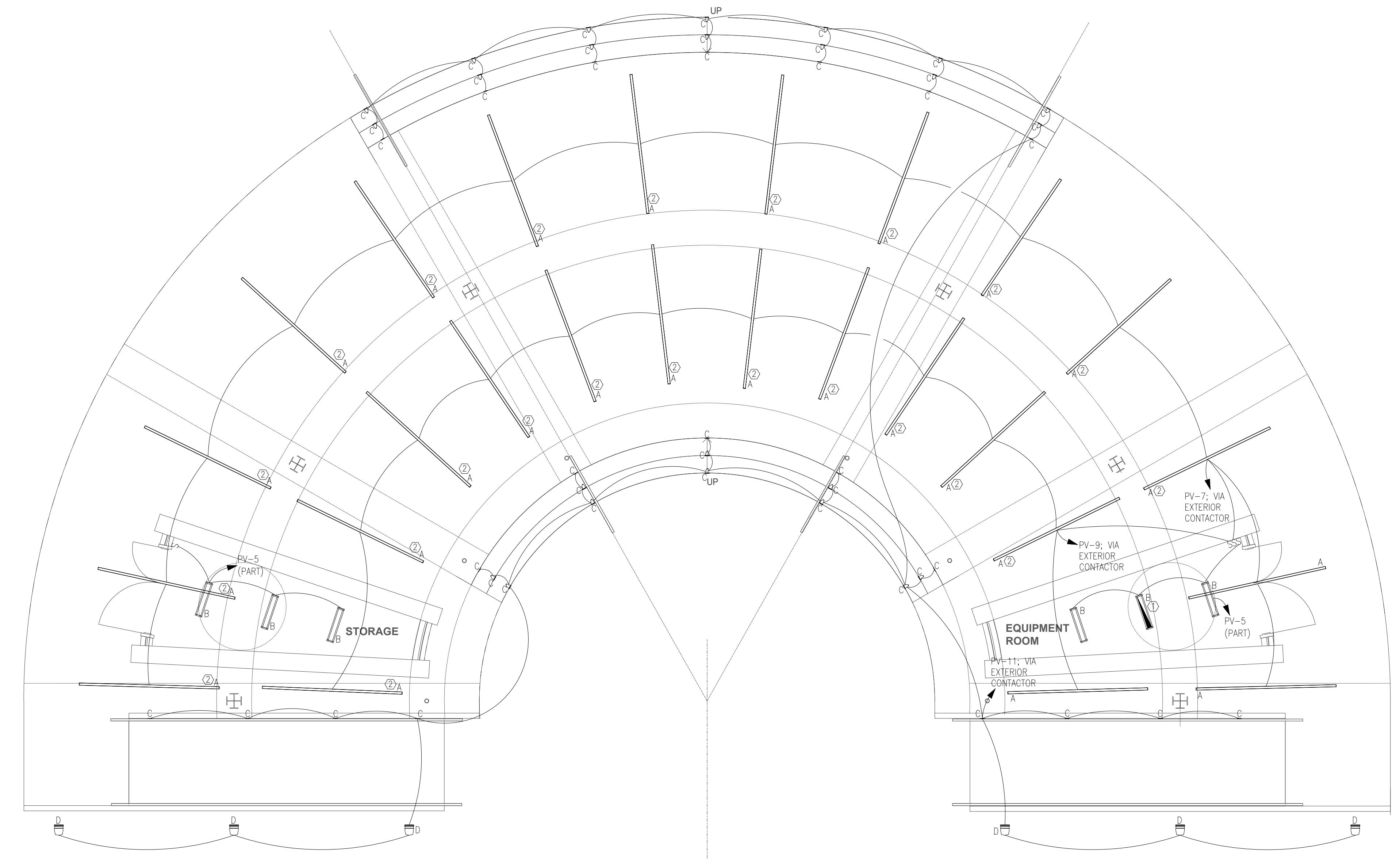
PROJ. NO. : 3808805

USER: WPC04
FILE: C:\Users\Chris\Westside Engineering Dropbox\Westside Engineering Team Folder\2023\2317 - Tucker Town Green\Elect201 - Restroom Power & Systems Plan.dwg
SAVED: 5/20/2024
PLOTTED: 5/9/2024



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- GENERAL NOTE:
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL LIGHTING DETAILS.
- KEYNOTES:
- ① FIXTURE SUPPLIED WITH EMERGENCY BATTERY PACK. ALL FIXTURE LAMPS SHALL BE SWITCHED ON/OFF. EMERGENCY BATTERY PACK SHALL BECOME ENERGIZED UPON LOSS OF CIRCUIT POWER.
 - ② LOCATE LIGHTING CONDUIT ALONG CURVED BEAM AND CONCEAL CONDUIT AND JUNCTION BOXES TO GREATEST EXTENT POSSIBLE. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS OF CONDUIT RUN.



PAVILION - LIGHTING PLAN



BARGE
DESIGN SOLUTIONS

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PAVILION LIGHTING PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	DR.	CHK.	DATE	DESCRIPTION
0			05/21/2024	ISSUED FOR BID

E300
PROJ. NO. : 3808805

USER: WPC04
FILE: C:\Users\Chris\Westside Engineering\Dropbox\Westside Engineering Team Folder\2023\2317 - Tucker Town Green\Elect\E300 - Pavilion Lighting Plan.dwg
SAVED: 4/11/2024
PLOTTED: 5/6/2024



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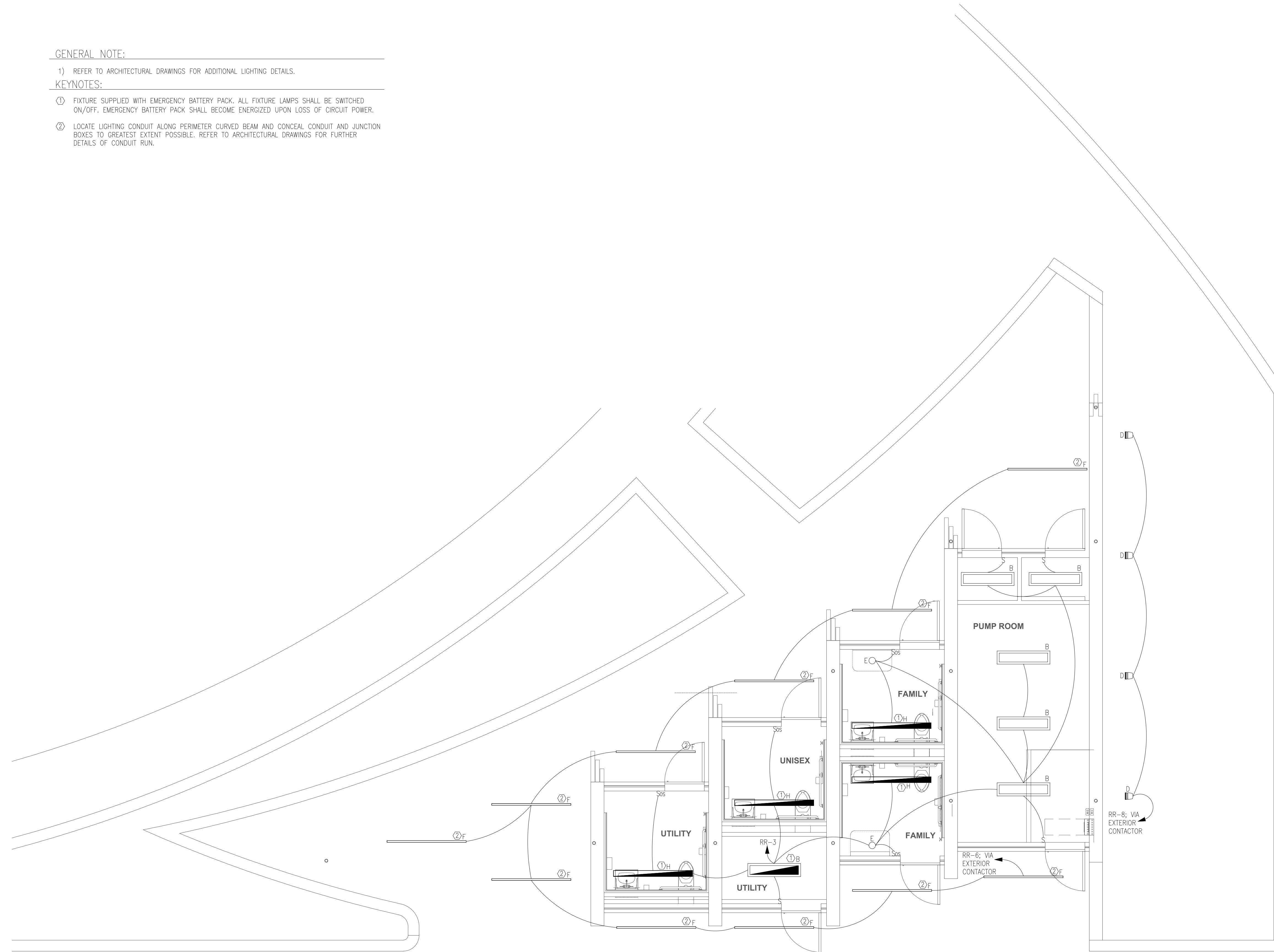


GENERAL NOTE:

1) REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL LIGHTING DETAILS.

KEYNOTES:

- ① FIXTURE SUPPLIED WITH EMERGENCY BATTERY PACK. ALL FIXTURE LAMPS SHALL BE SWITCHED ON/OFF. EMERGENCY BATTERY PACK SHALL BECOME ENERGIZED UPON LOSS OF CIRCUIT POWER.
- ② LOCATE LIGHTING CONDUIT ALONG PERIMETER CURVED BEAM AND CONCEAL CONDUIT AND JUNCTION BOXES TO GREATEST EXTENT POSSIBLE. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS OF CONDUIT RUN.



RESTROOM - LIGHTING PLAN

RESTROOM LIGHTING PLAN

CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REVISION INFORMATION			
REV.	CHK.	DR.	DATE
0			05/21/2024
			ISSUED FOR BID



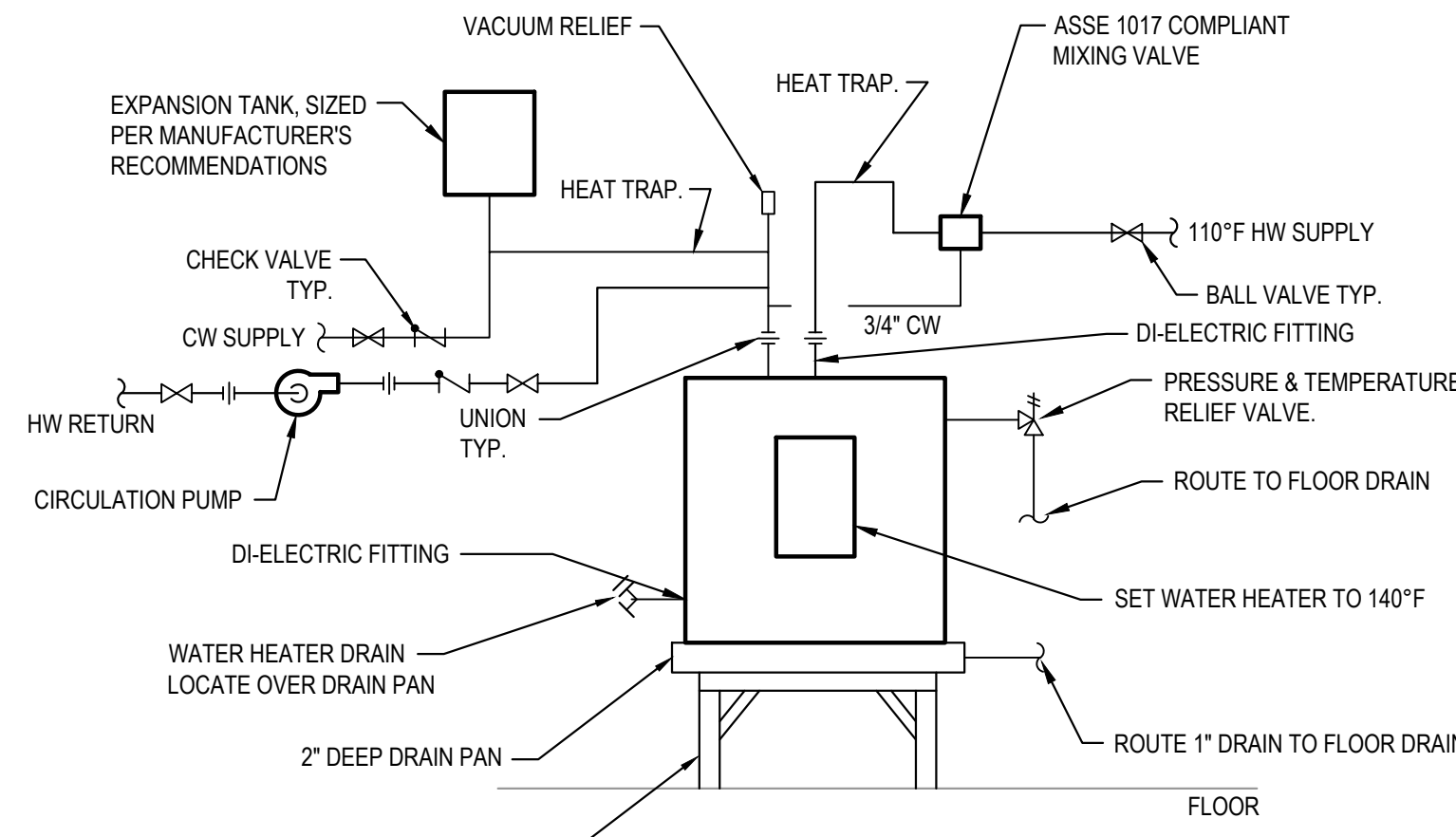
E301

PROJ. NO. : 3808805

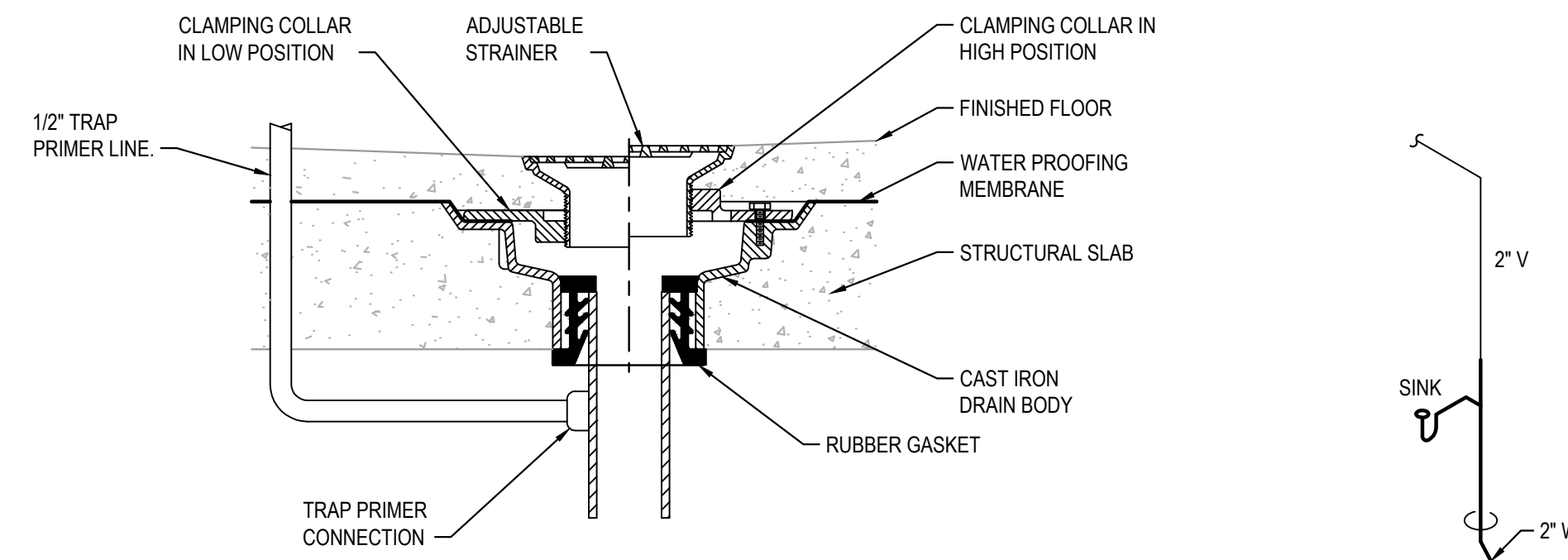
GENERAL NOTES (APPLY TO ALL SHEETS):

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MOUNTING HEIGHTS & LOCATIONS.
- COORDINATE ALL SAN, VENT, CW, HW, ETC. WITH EXISTING CONDITIONS & ALL OTHER TRADES.
- ALL SANITARY PIPING SHALL BE SLOPED AT 1/8" PER FOOT.
- ALL PIPING SHALL BE PRESSURE TESTED PRIOR TO CONCEALING OR INSULATING THE PIPING.
- MATERIALS EXPOSED IN RETURN AIR PLENUMS SHALL BE NON COMBUSTIBLE WITH A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.

LEGEND		
TAG	SYMBOL	DESCRIPTION
A/C		ABOVE CEILING
AFF		ABOVE FINISHED FLOOR
AHU		AIR HANDLING UNIT
B/F		BELOW FLOOR
B/G		BELOW GRADE
CO		CLEAN OUT
CW	—	DOMESTIC COLD WATER
	↗	CHECK VALVE
	—	NEW WORK
EXIST.	----	EXISTING PIPE / EQUIPMENT
FCU		FAN COIL UNIT
FCO	⊙	FLOOR CLEAN OUT
FD	—	FLOOR DRAIN
FDC	—	FIRE DEPARTMENT CONNECTION
FS		FLOOR SINK
FW		FILTERED WATER
HB	↗	HOSE BIBB
HD	—	HUB DRAIN
HW	—	DOMESTIC HOT WATER
HWR	↗	HOT WATER RETURN
NFWH	↗	NON FREEZE WALL HYDRANT
SAN	—	SANITARY PIPING
ST		STORM PIPING
V		VENT PIPING
VTR	⊗	VENT THROUGH ROOF
	⊗	BALL VALVE
WCO		WALL CLEAN OUT
W		WASTE PIPING
WSHP		WATER SOURCE HEAT PUMP

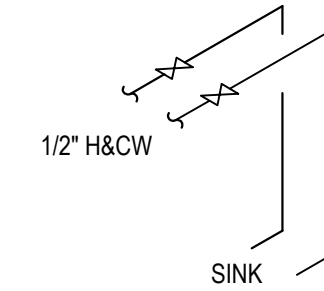


1 WATER HEATER DETAIL
SCALE: N.T.S. (WH-1)



2 FLOOR DRAIN DETAIL
SCALE: N.T.S. (P001)

3 TYP. SINGLE SINK - SAN & VENT RISER
SCALE: N.T.S. (P001)



4 TYP. SINGLE SINK - DOMESTIC WATER RISER
SCALE: N.T.S. (P001)

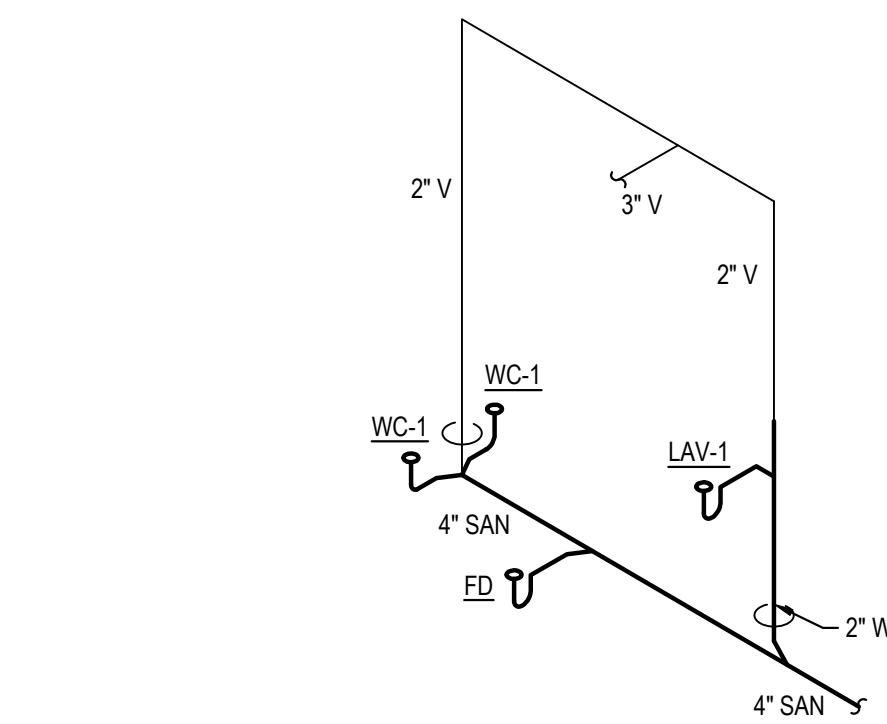
ELECTRIC WATER HEATER SCHEDULE						
TAG	CAPACITY (GAL)	ELEMENT KW	RECOVERY RATE (GPH @ 90F)	VOLTS/PHASE	BASIS OF DESIGN	NOTES
WH-1	30	4.5	20	208/1	AO SMITH DEN-30	1

NOTES:
(1) HEATER TO BE MOUNTED ON FLOOR. SEE DETAIL 1/P001.

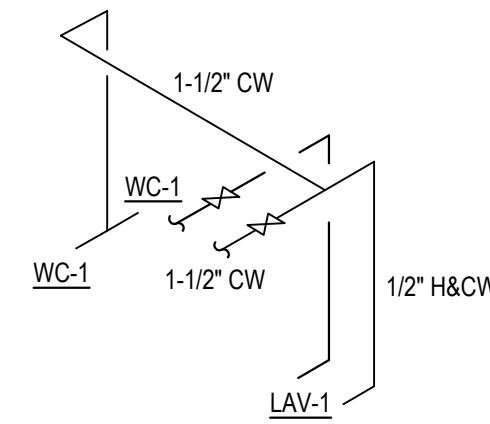
PUMP SCHEDULE										
TAG	FLOW RATE (GPM)	HEAD (FT)	NPSHR (FT)	RPM	MOTOR HP	EFFICIENCY	VOLTS/PHASE	PUMP TYPE	BASIS OF DESIGN	NOTES
HWRP-1	20	10	--	2650	1/12	--	120/1	INLINE	BELL & GOSSETT PL-30B	1,2

- NOTES:
(1) ALL WETTED PUMP PARTS SHALL BE LEAD FREE.
(2) PROVIDE WITH REMOTE AQUASTAT & TIMER TO CYCLE PUMP ON AND OFF TO MAINTAIN HW LOOP TEMPERATURE DURING OCCUPIED HOURS.

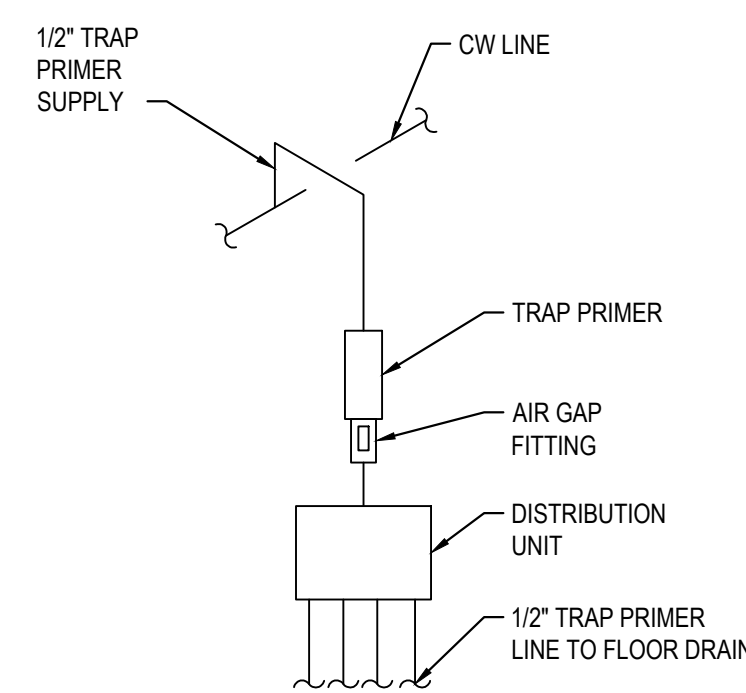
PLUMBING FIXTURES & CONNECTION SCHEDULE						
TAG	FIXTURE	CW	HW	WASTE	VENT	FIXTURE SPECIFICATION
P-1H	ADA WATER CLOSET	1"	--	4"	2"	ADA COMPLIANT, AMERICAN STANDARDS MADERA FLOWISE ELONGATED FLUSHOMETER TOILET, 16.5" HIGH BOWL WITH 1.1 GPF FLUSH. PROVIDE CLOSET BOLT/WAX RING KIT (Z5972-COMB). PROVIDE HEAVY DUTY OPEN FRONT SEAT, ELONGATED, LESS COVER, EXTERNAL CHECK HINGE, 1" SEAT HT PLASTIC, WHITE, TOP-SPUD-ELONGATED-WALL-HUNG-EVERCLEAN-BOWL/WHITE. PROVIDE CHROME PLATED, 1.1 GPF EXPOSED SENSOR OPERATED FLUSHOMETER WITH AUTO SENSOR 120V HARDWIRED CONNECTION. BASIS OF DESIGN: AMERICAN STANDARD 3351101020 TOILET AND AMERICAN STANDARDS ULTIMA ELECTRONIC TOUCHLESS TOILET FLUSH VALVE, PISTON TYPE, 606B. 111 FLUSH VALVE AND AMERICAN STANDARD MODEL: 5901100.020 SEAT.
P-2H	ADA LAVATORY - WALL HUNG	1/2"	1/2"	2"	2"	ADA COMPLIANT, DURAVIT STARCK 3, 23-5/8" RECTANGULAR CERAMIC WALL MOUNTED LAVATORY WITH GRID STRAINER, TAIL PIECE, OFFSET P-TRAP, SERVICE STOPS, ADA INSULATION KIT, OVERFLOW AND 1 FAUCET HOLES, 1.2 GPM, SOLID BRASS, HARD WIRED OPERATED HANDS FREE FAUCET SINGLE HOLE PUNCHING. BASIS OF DESIGN: DURAVIT MODEL: 0309600000 SINK, AND KOHLER TOUCHLESS K-R32930-AD-CP FAUCET, AND WALL MOUNT SOAP DISPENSER KOHLER K-22848-CP COMPOSED TOUCHLESS FOAMING SOAP DISPENSER, AC-POWERED.
P-3	WALL HUNG EMERGENCY EYE / FACE WASH	3/4"	3/4"	--	--	HAND-HELD HOSE SPRAY WITH DUAL SOFT-FLOW SPRAY HEADS, CHROME-PLATED BRASS CONTROL VALVE, 12" HOSE AND WALL MOUNTING BRACKET. VALVE SHALL REMAIN OPEN ONCE ACTIVATED. PROVIDE WITH BELOW DECK EMERGENCY FIXTURE THERMOSTATIC MIXING VALVE FOR TEPID WATER. BASIS OF DESIGN IS BRADLEY S19440119BC OR EQUAL SPRAYER AND BRADLEY S19-2000 OR EQUAL MIXING VALVE. MIXING VALVE SHALL BE INSTALLED ABOVE CEILING WITH SERVICE STOPS AND ACCESS PANEL WHERE REQUIRED.
P-4	DRINKING FOUNTAIN WITH BOTTLE FILLER	1/2"	--	2"	2"	ADA COMPLIANT, BARRIER FREE, HANDS FREE OUTDOOR 62ZHO UPPER BOTTLE FILLING STATION TR1-LEVEL PEDESTAL NON-FILTERED NON-REFRIGERATED SHALL PRODUCE 8.0 GPH OF 50F WATER AT 90F AMBIENT TEMPERATURE. BASIS OF DESIGN: ELKAY LK4430BF1U.
HB	HOSE BIBB	3/4"	--	--	--	ANTI-SIPHON, VACUUM BREAKER PROTECTED WALL FAUCET. BASIS OF DESIGN: WOODFORD MODEL 24P-CH.
HD	HUB DRAIN	1/2" TP	--	2", 3", 4"	2"	HUB DRAIN - PROVIDE WITH TRAP PRIMER
FD-1	FLOOR DRAIN - MECHANICAL ROOM	1/2" TP	--	4"	2"	FLOOR DRAINS IN MECHANICAL ROOMS SHALL HAVE 11-3/4" ROUND CAST IRON GRATE, SEDIMENT BUCKET AND DEEP SEAL P-TRAP. BASIS OF DESIGN: JR SMITH 2131 SERIES. PROVIDE WITH TRAP PRIMER
FD-2	FLOOR DRAIN - HEAVY-DUTY	1/2" TP	--	4"	2"	12-1/2" x 12-1/2" SQUARE TOP DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION MEMBRANE FLASHING CLAMP FOR HEAVY-DUTY CAST IRON HINGED SLOTTED GRATE WITH SEDIMENT BUCKET AND DEEP SEAL P-TRAP AND ADJUSTABLE CLEANOUT WITH BRONZE PLUG. BASIS OF DESIGN: ZURN Z761. PROVIDE WITH TRAP PRIMER.
FD	FLOOR DRAIN	1/2" TP	--	2", 3"	2"	FLOOR DRAINS IN FINISHED AREAS SHALL HAVE 6" SQUARE ADJUSTABLE, VANDAL PROOF STRAINER IN NICKLE BRONZE FINISH. BASIS OF DESIGN: JR SMITH 2000 SERIES. PROVIDE WITH TRAP PRIMER



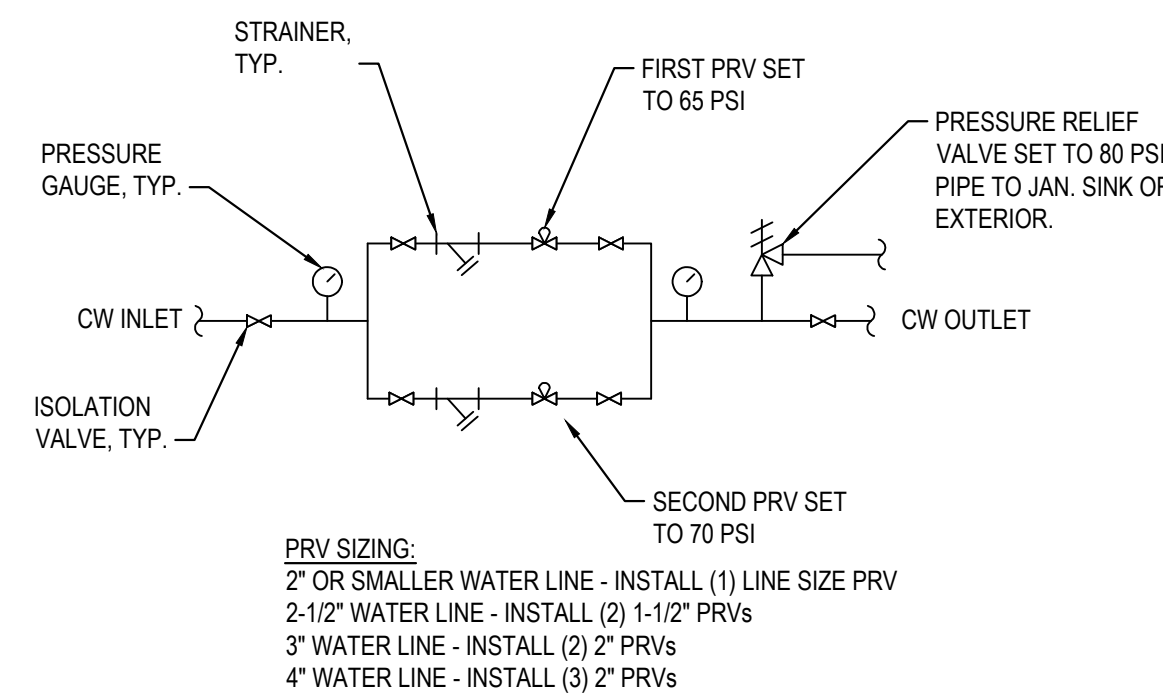
5 TYP. RESTROOM - SAN & VENT RISER
SCALE: N.T.S. (P001)



6 TYP. RESTROOM - DOMESTIC WATER RISER
SCALE: N.T.S. (P001)



7 TRAP PRIMER DETAIL
SCALE: N.T.S. (P001)



8 PRV DETAIL
SCALE: N.T.S. (P001)

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BARGE
DESIGN SOLUTIONS



LEGEND, NOTES, DETAILS & SCHEDULES
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

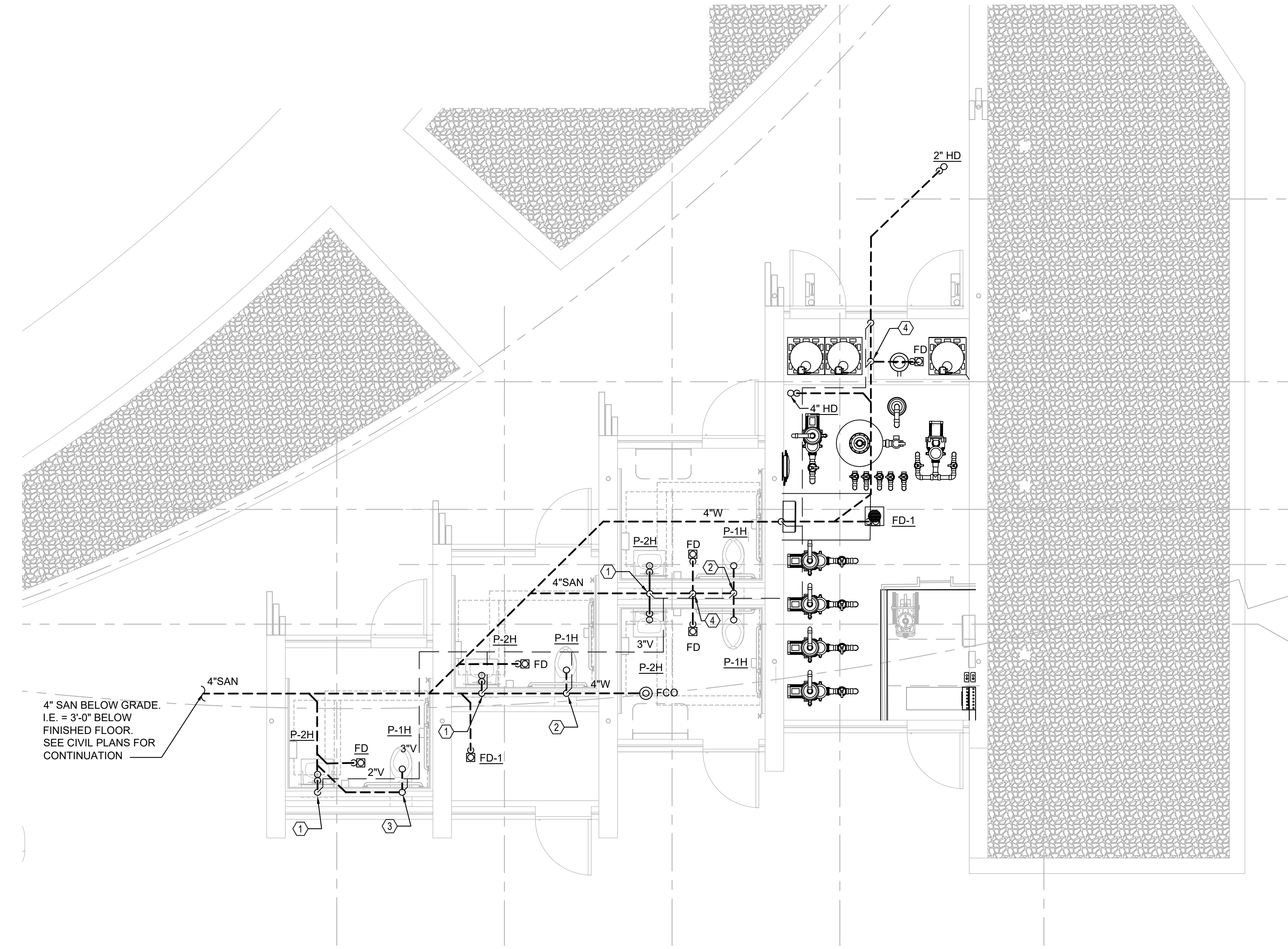
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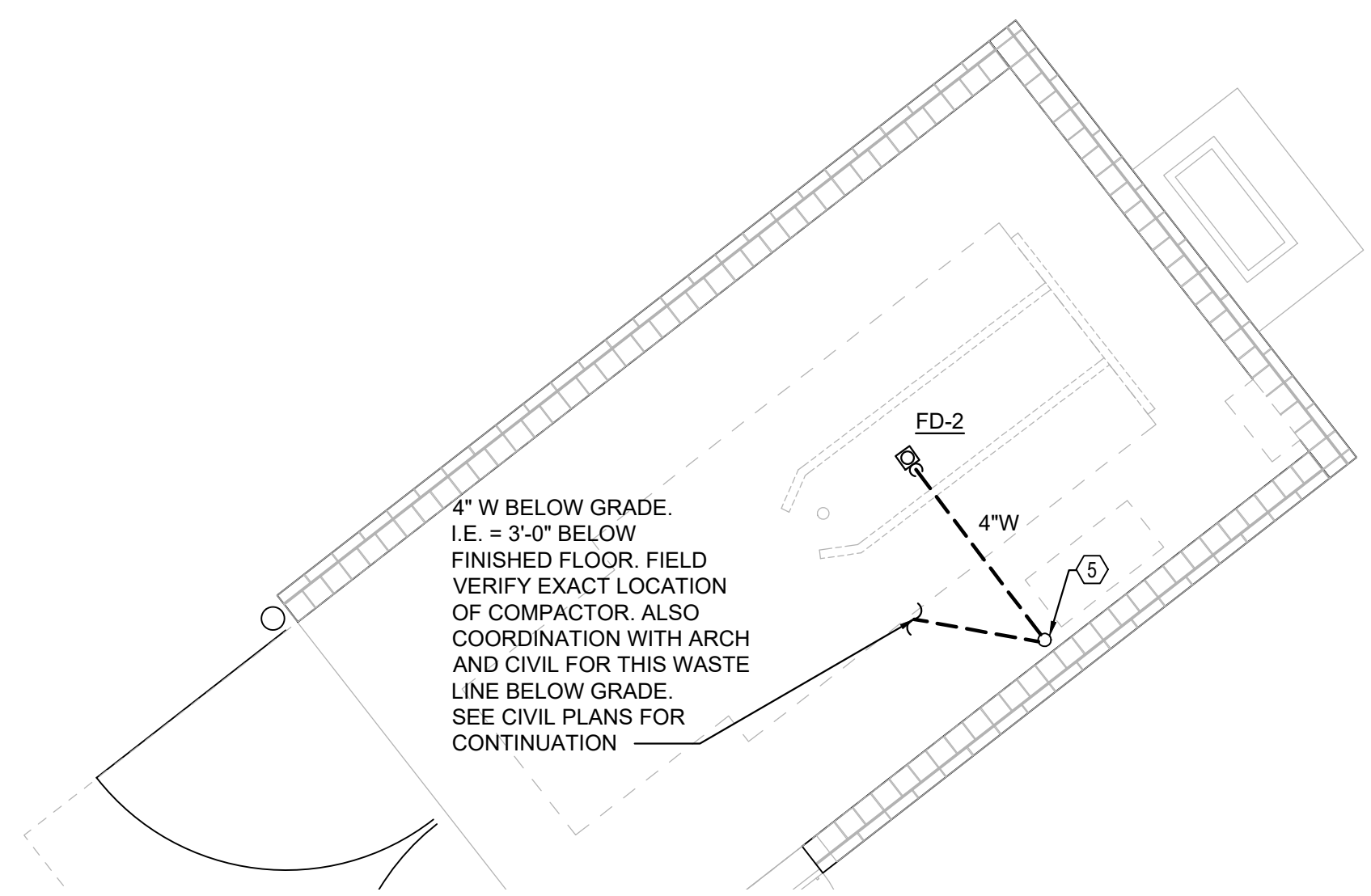
P001
PROJ. NO. : 3808805

KEY NOTES: ○

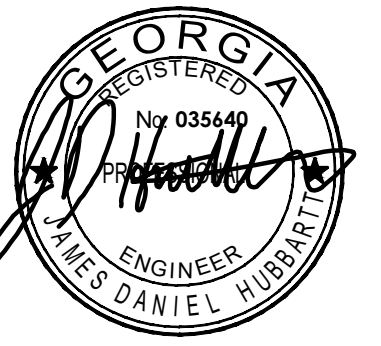
1. 2" W, 2" V.
2. 4"W & 2"V.
3. 4" W DN AND 2" V UP TO 3" VTR.
4. 3"W & 2" V.
5. 2" V UP TO 2" VTR.



P1 RESTROOM FLOOR PLAN - SAN & VENT



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cassinger@westside-engineering.com



RESTROOM FLOOR PLAN - SAN AND VENT
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REVISION INFORMATION	
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P101
PROJ. NO. : 3808805



200 Galleria Parkway
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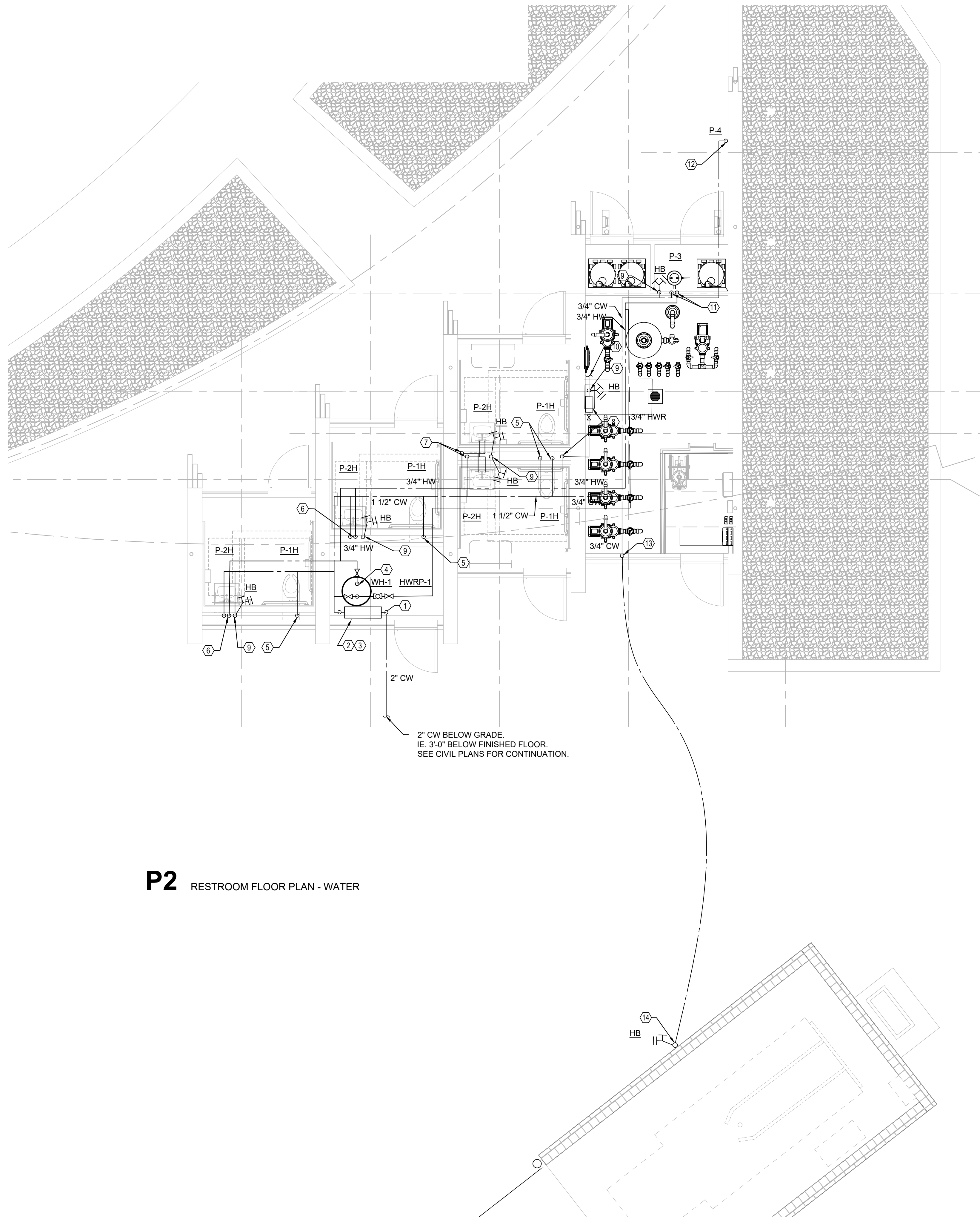
RESTROOM FLOOR PLAN - WATER
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4226 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REVISION INFORMATION	
REV	DESCRIPTION
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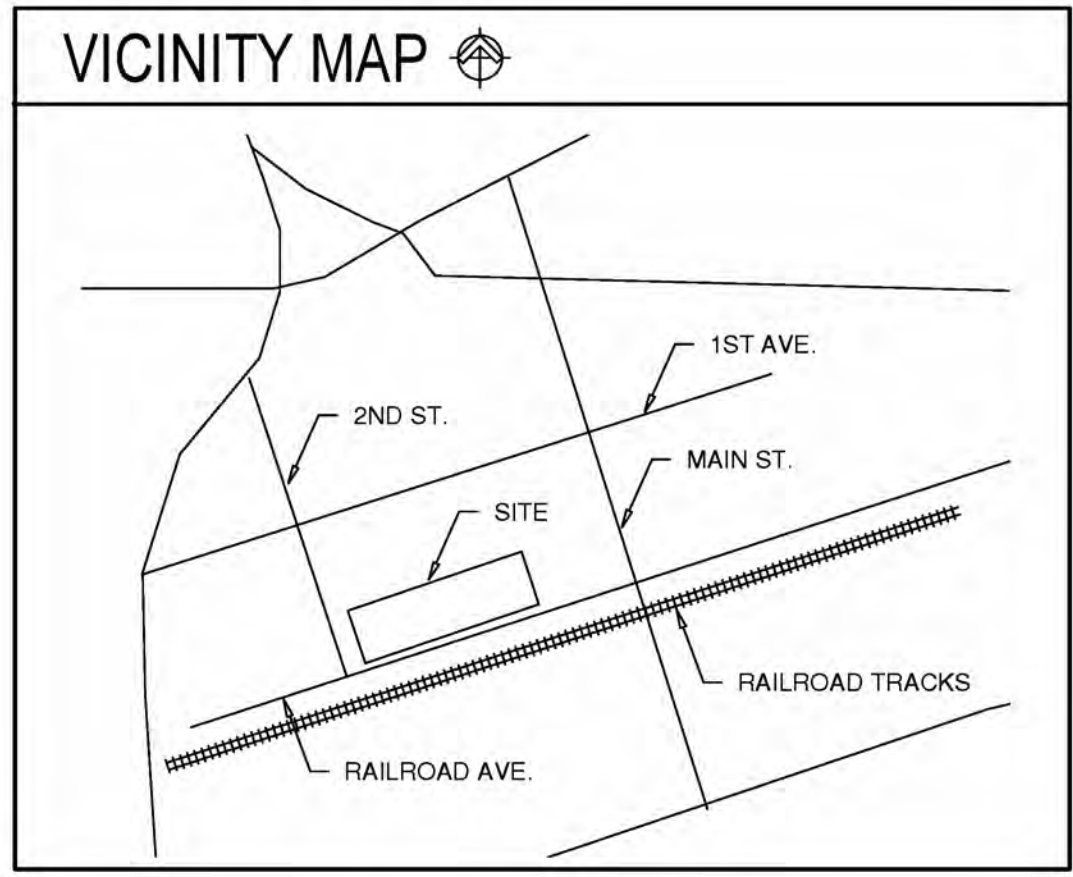
P201
PROJ. NO. : 3808805

- KEY NOTES:**
- 2" CW DN TO BELOW FLOOR.
 - BACKFLOW PREVENTER SHALL BE LEAD FREE, REDUCED PRESSURE ZONE ASSEMBLY (RPZA), WATTS LF909 OR EQUAL.
 - INSTALL PRV STATION ON WALL ABOVE BACKFLOW PREVENTER. REFER TO DETAIL 8/P001.
 - 3/4" H&CW DN TO WH-1.
 - 1" CW DN.
 - 1/2" H&CW DN.
 - 3/4" H&CW DN AND ROUTE 1/2" H&CW TO EACH LAVATORY STUB OUT.
 - 3/4" CW DN TO 3/4" RPZA.
 - 3/4" CW DN TO HB.
 - 3/4" CW ABOVE FLOOR TO WATER FOUNTAINS AN OR FEATURES.
 - 3/4" H&CW TO MIXING VALVE AND ROUTE DN TO EYE WASH.
 - 1/2" CW DN TO DRINKING FOUNTAIN.
 - 3/4" CW DN TO BELOW FLOOR. PROVIDE HEAT TRACE IF REQUIRED.
 - 3/4" CW UP FROM BELOW GROUND CONNECT TO HB. FIELD VERIFY EXACT LOCATION OF COMPACTOR.



P2 RESTROOM FLOOR PLAN - WATER

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SAVED:5/9/2024
PLOTTED:5/9/2024



DRAWING SYMBOL KEY

SHEET LOCATION:
 1 TITLE
 Scale: 1:1

DETAIL BLOCK REFERENCE:
 1 SP001 WINDOW BOX

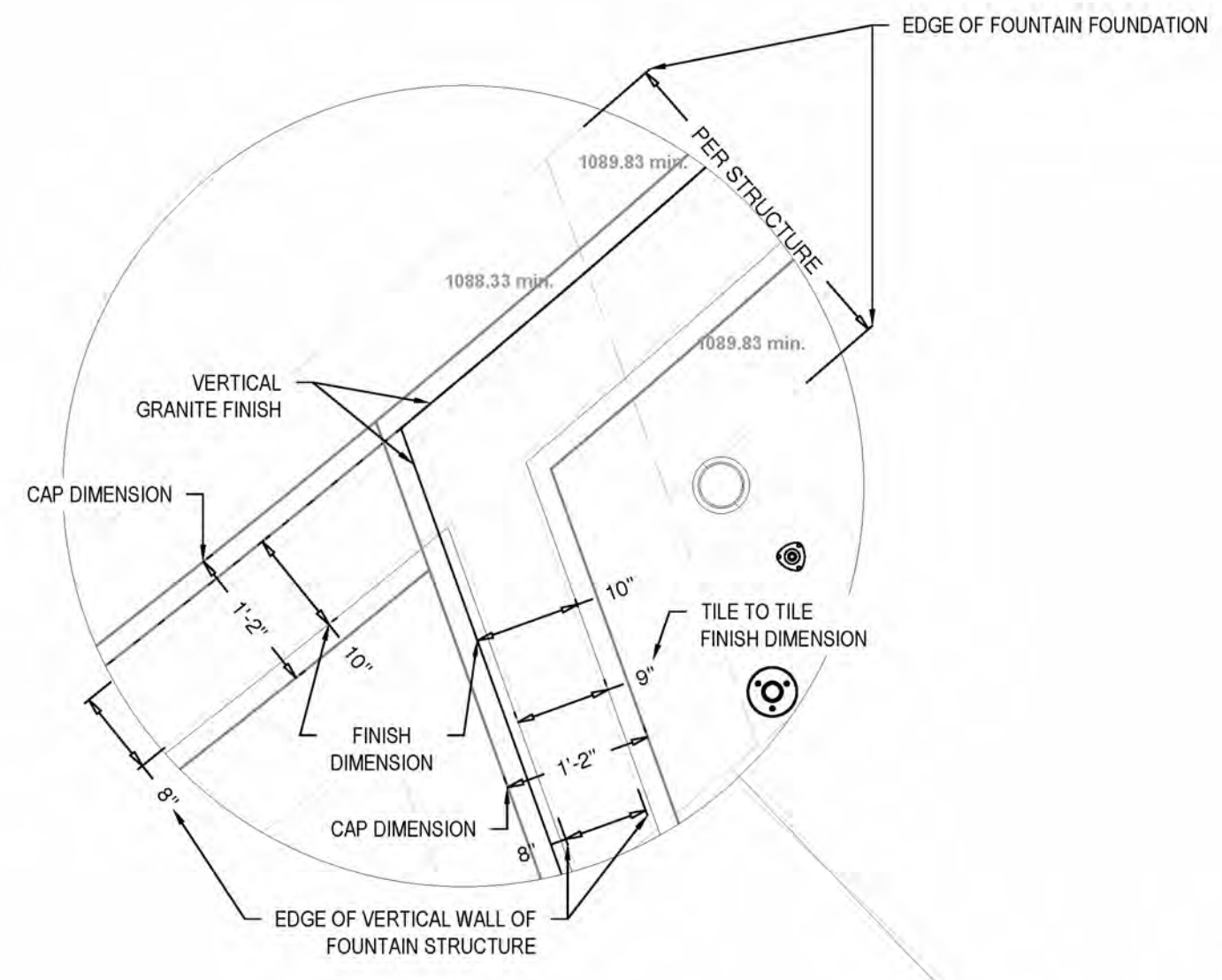
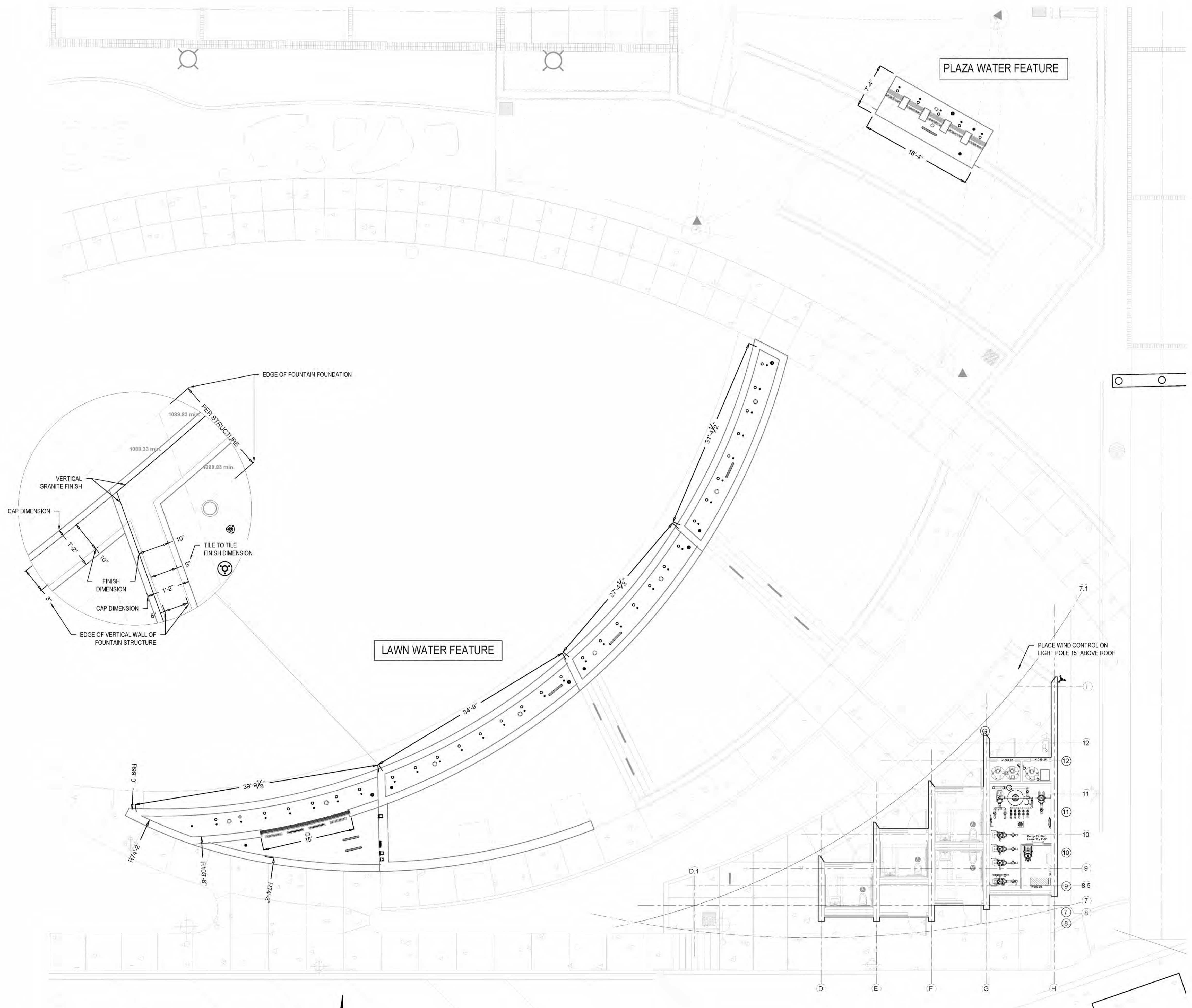
SECTION REFERENCE:
 1 SP001 VIEW DIRECTION

SYMBOL KEY

- MAIN DRAINS
- WF SKIMMER
- FLOOR INLET
- FOUNTAIN DRAIN TO SEWER
- CIRCULATION OVERFLOW
- WF NOZZLE
- WF NOZZLE LIGHT
- WF WALL LIGHT
- WF JUNCTION BOX
- GFCI OUTLET
- OVERFLOW DRAIN

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASME	AMERICAN SOCIETY OF MECH. ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
BPA	BACKFLOW PREVENTER ASSEMBLY
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GPM	GALLONS PER MINUTE
IBC	INTERNATIONAL BUILDING CODE
WF	WATER FEATURE
LBS	POUNDS
MEP	MECHANICAL ELECTRICAL PLUMBING
NEC	NATIONAL ELECTRIC CODE
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
PPM	PARTS PER MILLION
ORP	OXIDATION REDUCTION POTENTIAL
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION



1 WATER FEATURE (SITE PLAN)
Scale: 1/8" = 1 FT.

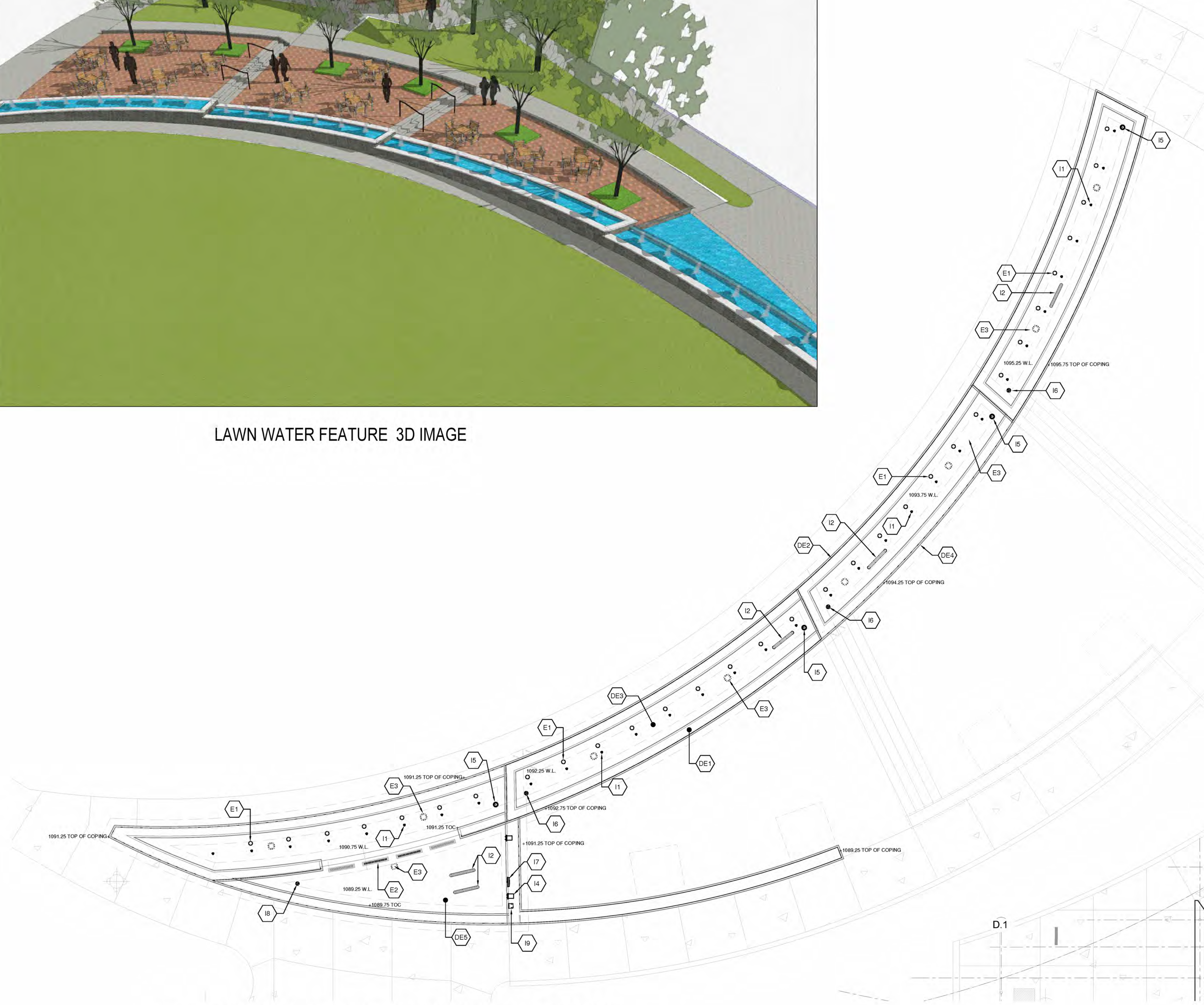


REVISION INFORMATION

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0		RP	5/27/2024	ISSUED FOR BID



LAWN WATER FEATURE 3D IMAGE



1 COURTYARD WATER FEATURE (1) KEYNOTE (PLAN)
Scale: 3/16"

- ### WATER FEATURE
- FEATURE NOZZLES: HOBBS FOUNTAINS, CLEAR STREAM JET 1/2" ORIFICE, 143-15 SERIES, PART #143-50150, 1-1/2" N.P.T. CONNECTION, 143SERIES, PART #276-07 THREADED SLAB PENETRATION, SEE: SHEET WF-5.0, DETAIL 1 (QTY. 32)
 - MAIN DRAIN: AQUASTAR, 32" CHANNEL, MODEL #32CDFL102, BLACK, DRAIN GRATE ANTI-ENTRAPMENT SUCTION OUTLET COVER AND SUMP, 2" CONNECTION, SEE: SHEET WF-5.1, DETAIL 9 (QTY. 1 - CIRCULATION & QTY. 1 EACH NOZZLE BOOSTER PUMP)
 - NOT USED
 - SKIMMER: HOBBS FOUNTAINS - WALL, 269 SERIES, PART #269-113 (BLACK), 1-1/2" SLIP CONNECTION, PLASTIC INTERNAL BASKET, CAST BRONZE FACE GRILL, SEE: SHEET WF-5.0, DETAIL 5 (QTY. 2)
 - FLOOR INLET: #DIV102 & DIV102, BLACK, 40 GPM WITH EACH 1-1/2", SEE SHEET WF-0.3 FOR CUT SHEET, (QTY. 4)
 - UPPER BASIN CIRCULATION OVERFLOW FITTING (CUSTOM): HOBBS FOUNTAINS, PART #255-133, 3" N.P.T. BASE, 3" STAND, BRONZE BODY AND DOME, SEE: SHEET WF-5.0, DETAIL 4 (QTY. 3)
 - LOWER BASIN FOUNTAIN DRAIN: HOBBS FOUNTAINS, PART #252-611-0630, 4" N.P.T. ADJUSTABLE NICHE OVERFLOW FITTING, CAST BRONZE W/ S.S. WEIR FACEPLATE, WATER TIGHT NEOPRENE GASKET SEE: SHEET WF-5.0, DETAIL 6 (QTY. 1)
 - DRAIN FITTING TO WASTE: HOBBS FOUNTAINS, PART #276-201, 2" FNPT, CAST BRONZE INTEGRATED WATER STOP, SEE: SHEET WF-0.4 FOR CUT SHEET, (QTY. 1)
 - CRYSTAL FOUNTAINS AUTOFILL, ACX101, SEE: SHEET WF-5.1, DETAIL 5 (QTY. 1)

- ### ELECTRICAL
- NOZZLE LIGHT (RGB): HOBBS FOUNTAINS, SUBMERSIBLE FREE STANDING LIGHT PART #120F-170G-RGB-36W-24VDC-1, PLASTIC & S.S. W/ STAND, 36WATTS, 24VDC MAX 10FT MAX AWAY FROM J-BOX, SEE: SHEET WF-5.1, DETAIL 1 (QTY. 32)
 - CASCADE WALL LINEAR LIGHT: HOBBS FOUNTAINS, SUBMERSIBLE FREE STANDING LIGHT PART #120L-X1004-RGB-36-24DC, PLASTIC & S.S. W/ CUSTOM STAND, 72 WATT, 24VDC PLACED 10FT MAXIMUM AWAY FROM J-BOX, SEE: SHEET WF-5.1, DETAIL 3 (QTY. 4)
 - UNDERWATER JUNCTION BOX (LIGHTS): HOBBS FOUNTAINS, MODEL #423 SERIES, CONNECTION UP TO 8 LIGHTS, CAST BRONZE, CONNECT LIGHT CORD TO JUNCTION BOX, INCLUDE STUB-UPS, CONNECTORS AND POTTING COMPOUND, SEE: SHEET WF-5.1, DETAIL 4 (QTY. 9)

- ### DESIGN ELEMENTS
- COPING EDGE DETAIL: PER LANDSCAPE PLANS - PRECAST W/ 2" CANTILEVER EACH SIDE. FINAL COLOR SECTION PER LANDSCAPE SHEETS.
 - EXTERIOR FINISH: PER LANDSCAPE, GRANITE VENEER.
 - INTERIOR WATER-PROOFING SURFACE: CIM1000 INSTALLED ON ALL WET AREA AND UNDER WATER LINE TILE AND RAISED TILED CASCADE WALL.
 - BOND BREAK AND DECK JOINT SEALANT: PER LANDSCAPE PALNS - 3/4" X 6" POLY FOAM BOND BREAK, PF-H50 (COLOR PER LANDSCAPE) COORDINATE REQ. LENGTH, SIKAFLEX DECK SEALANT, 15LM, COLOR TO MATCH.
 - STRUCTURE: PER STRUCTURAL PLANS - POURED INPLACE CONCRETE, 4000 PSI, REINFORCING: GRADE 40 #4 REBAR @ 12" O.C.E.W.



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THOMAS@TRIDENTAQUATICS.NET
ALAN@TRIDENTAQUATICS.NET
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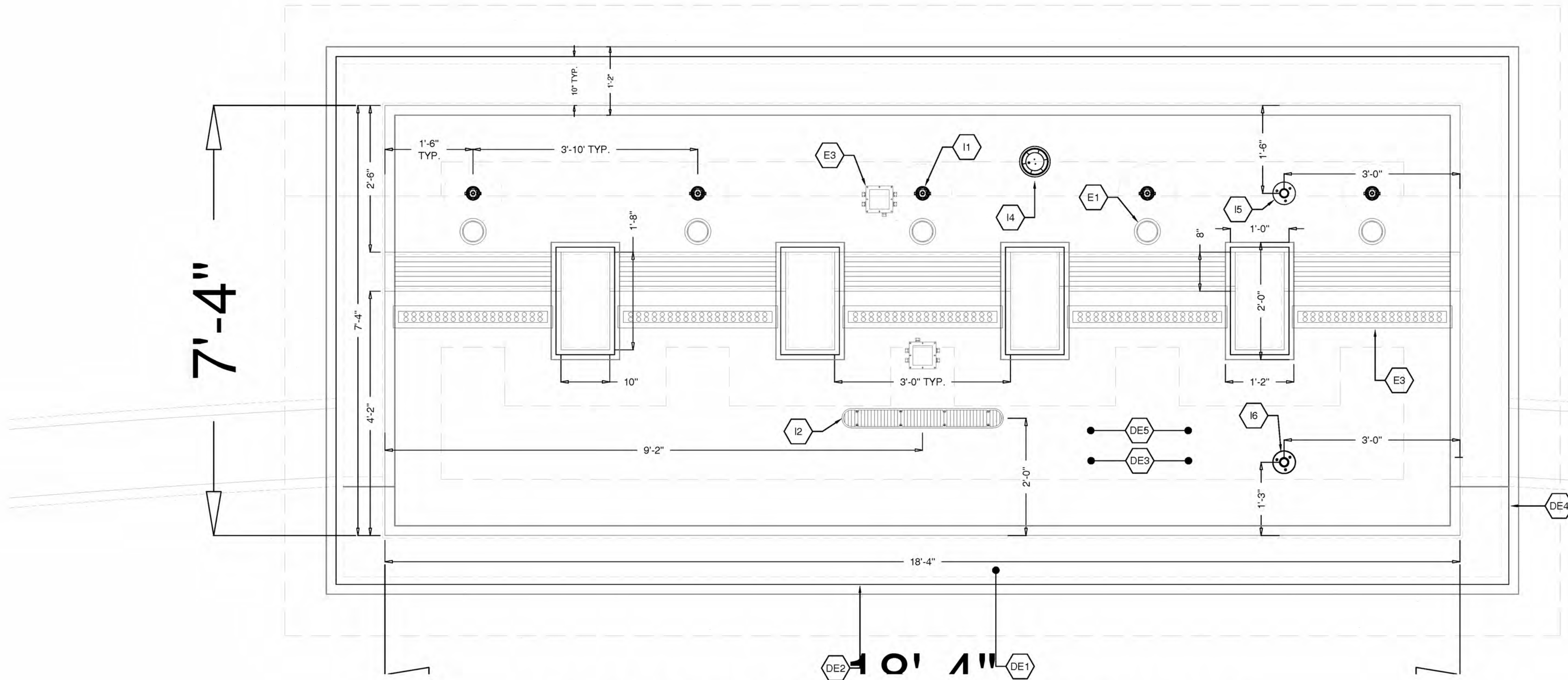


WATER FEATURE COURTYARD (1) PLAN
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4238 RAILROAD AVENUE, TUCKER, GEORGIA 30084

REV.	OR.	CHK.	DATE	DESCRIPTION
0		RP	5/27/2024	ISSUED FOR BID

WF-1.0
PROJ. NO. : 3808805

USER:HPALLISON
FILE:P:03-116 - Tucker Town Green Drawings\TIG-Master.dwg
SAVED:5/6/2024
PLOTTED:5/6/2024



1 COURTYARD WATER FEATURE (2) KEYNOTE (PLAN)
 Scale: 3/4"



PLAZA WATER FEATURE 3D IMAGE

WATER FEATURE

- 1. FEATURE NOZZLES: HOBBS FOUNTAINS, GEYSER JET, 111 SERIES, PART #111-1171, 3/4" N.P.T. CONNECTION, PLUS 276 SERIES, PART #276-07 THREADED SLAB PENETRATION, SEE: SHEET WF-5.0, DETAIL 2 (QTY. 5)
- 2. NOZZLE MAIN DRAIN: AQUASTAR, 32" CHANNEL, MODEL #32CDFL102, BLACK, DRAIN GRATE ANTI-ENTRAPMENT SUCTION OUTLET COVER AND SUMP, 2" CONNECTION, SEE: SHEET WF-5.1, DETAIL 9 (QTY. 1 FOR NOZZLE BOOSTER PUMP)
- 3. NOT USED
- 4. FLOOR INLET: #4DIV102 & DIV102, BLACK, 40 GPM 1-1/2" CONNECTION, SEE: WF-0.3 FOR CUT SHEET (QTY. 1)
- 5. DRAIN FITTING: HOBBS FOUNTAINS, PART #276-201, 2" FNPT, CAST BRONZE INTEGRATED WATER STOP, SEE: SHEET WF-04 (QTY. 1)
- 6. CIRCULATION OVERFLOW DRAIN FITTING (CUSTOM): HOBBS FOUNTAINS, PART #255-133, 3" N.P.T. BASE, 3" STAND, BRONZE BODY AND DOME, SEE: SHEET WF-5.0, DETAIL 4 (QTY. 1)

ELECTRICAL

- E1. NOZZLE LIGHT (RGB): HOBBS FOUNTAINS, SUBMERSIBLE FREE STANDING LIGHT PART PN420F-215G-RGB-72W-24VDC-1, PLASTIC & S.S. W/ CUSTOM STAND, 72WATTS, 24VDC MAX 10FT MAX AWAY FROM J-BOX, SEE: SHEET WF-5.1, DETAIL 2 (QTY. 5)
- E2. CASCADE WALL LINEAR LIGHT: HOBBS FOUNTAINS, SUBMERSIBLE FREE STANDING LIGHT PART #42L-XT004-RGB-72W-24VDC, PLASTIC & S.S. W/ CUSTOM STAND, 72WATTS, 24VDC PLACED 10FT MAXIMUM AWAY FROM J-BOX, SEE: SHEET WF-5.1, DETAIL 3 (QTY. 5)
- E3. UNDERWATER JUNCTION BOX (LIGHTS): HOBBS FOUNTAINS, MODEL #423 SERIES, CONNECTION UP TO 8 LIGHTS, CAST BRONZE, CONNECT LIGHT CORD TO JUNCTION BOX. INCLUDE STUB-UPS, CONNECTORS AND POTTING COMPOUND, SEE: SHEET WF-5.1, DETAIL 4 (QTY. 2)

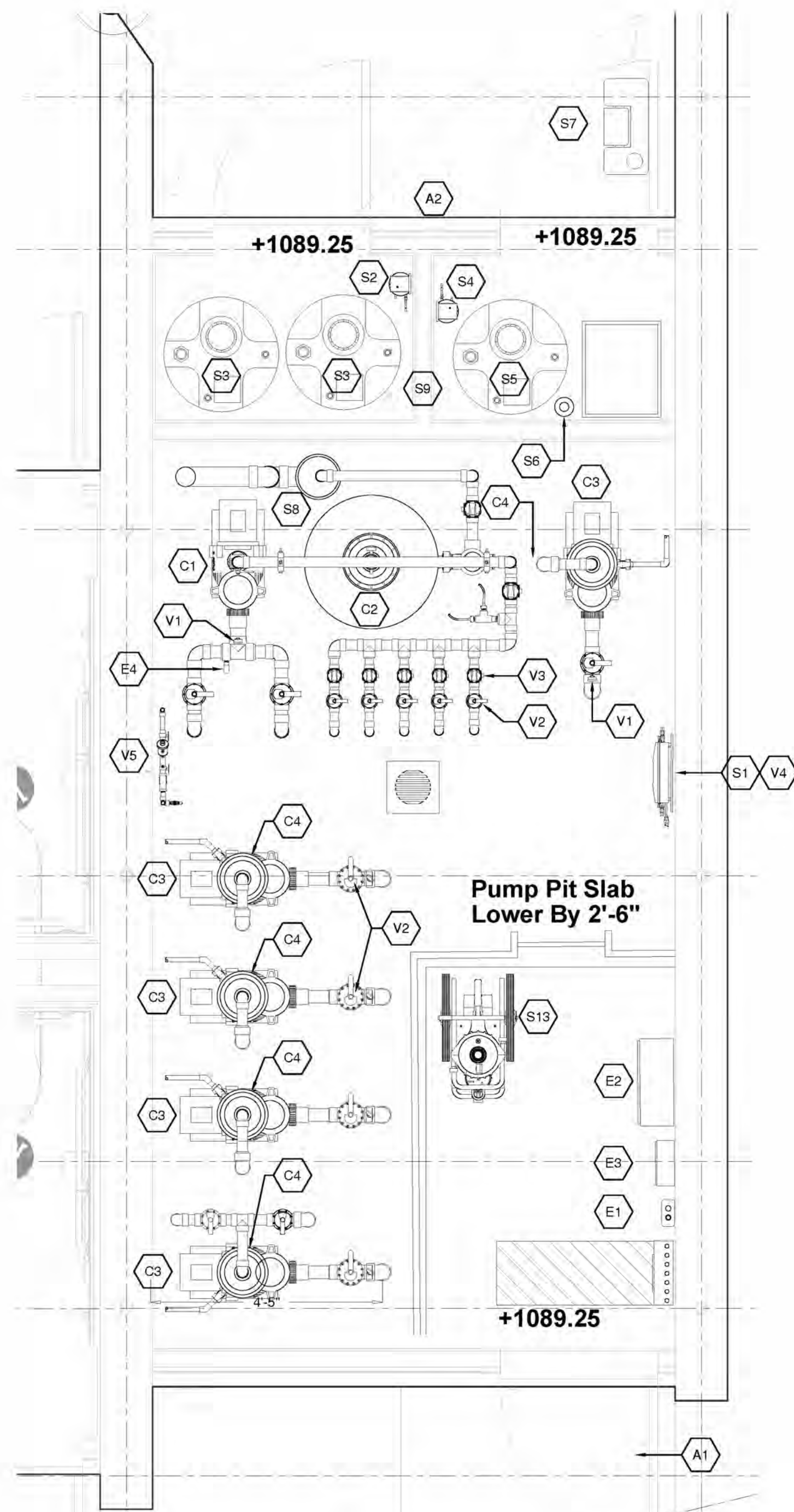
DESIGN ELEMENTS

- DE1. COPING EDGE DETAIL: PER LANDSCAPE PLANS - PRECAST W/ 2" CANTILEVER EACH SIDE. FINAL COLOR SECTION PER LANDSCAPE SHEETS.
- DE2. EXTERIOR FINISH: PER LANDSCAPE, GRANITE VENEER.
- DE3. INTERIOR FINISH & SURFACE WATER-PROOFING: CIM1000 INSTALLED ON ALL WET AREA AND UNDER WATER LINE AND RAISED WET WALL TILE AREAS.
- DE4. BOND BREAK AND DECK JOINT SEALANT: PER LANDSCAPE PALNS - 3/8" X 6" POLY FOAM BOND BREAK, PF-H50 (COLOR PER LANDSCAPE) COORDINATE REQ. LENGTH, SIKAFLEX DECK SEALANT, 15LM, COLOR TO MATCH.
- DE5. STRUCTURE: PER STRUCTURAL PLANS - Poured in place concrete, 4000 PSI, REINFORCING: GRADE 40 #4 REBAR @ 12" O.C.E.W.

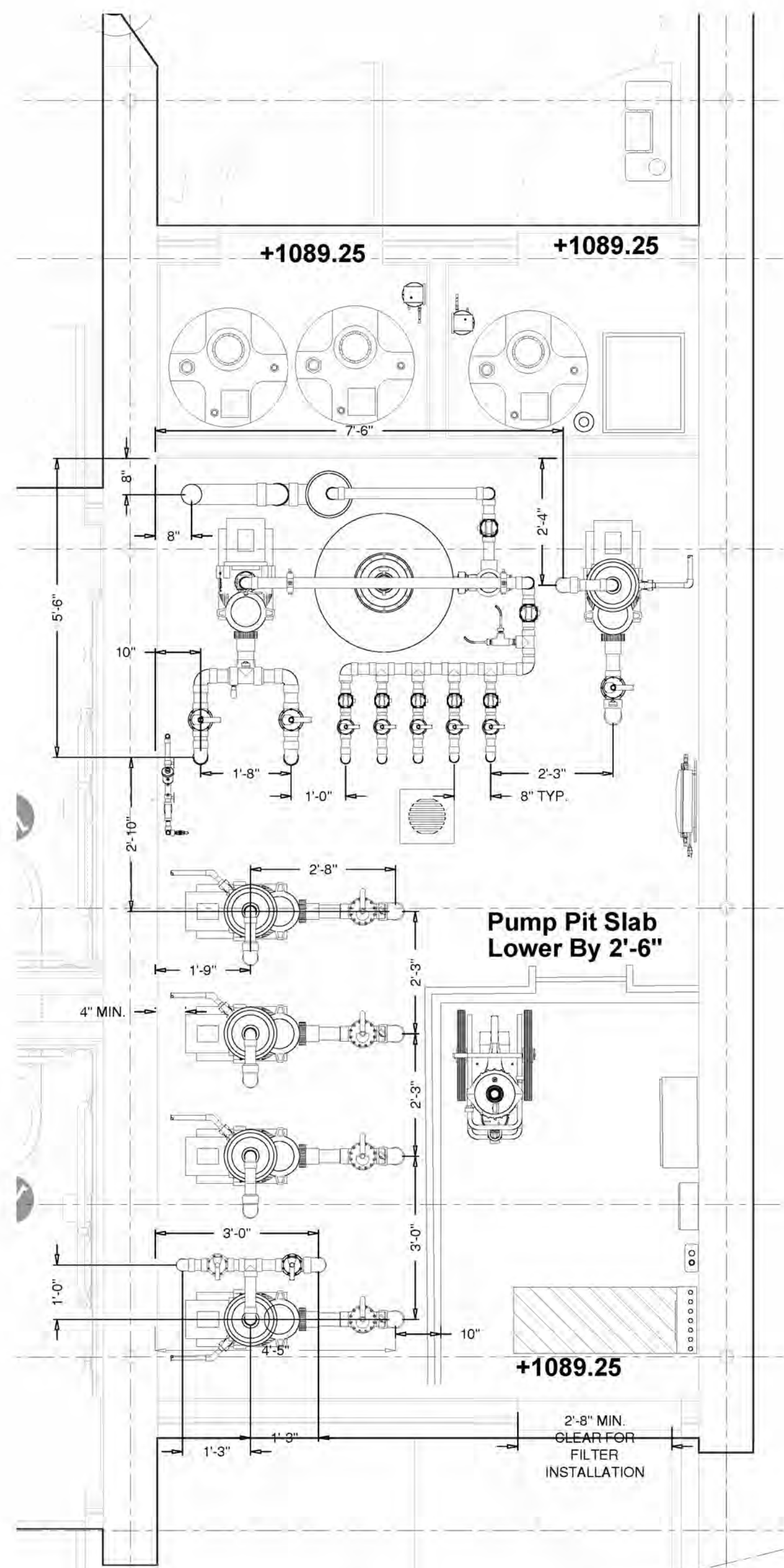
WATER FEATURE COURTYARD (2) PLAN

CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4238 RAILROAD AVENUE, TUCKER, GEORGIA 30084

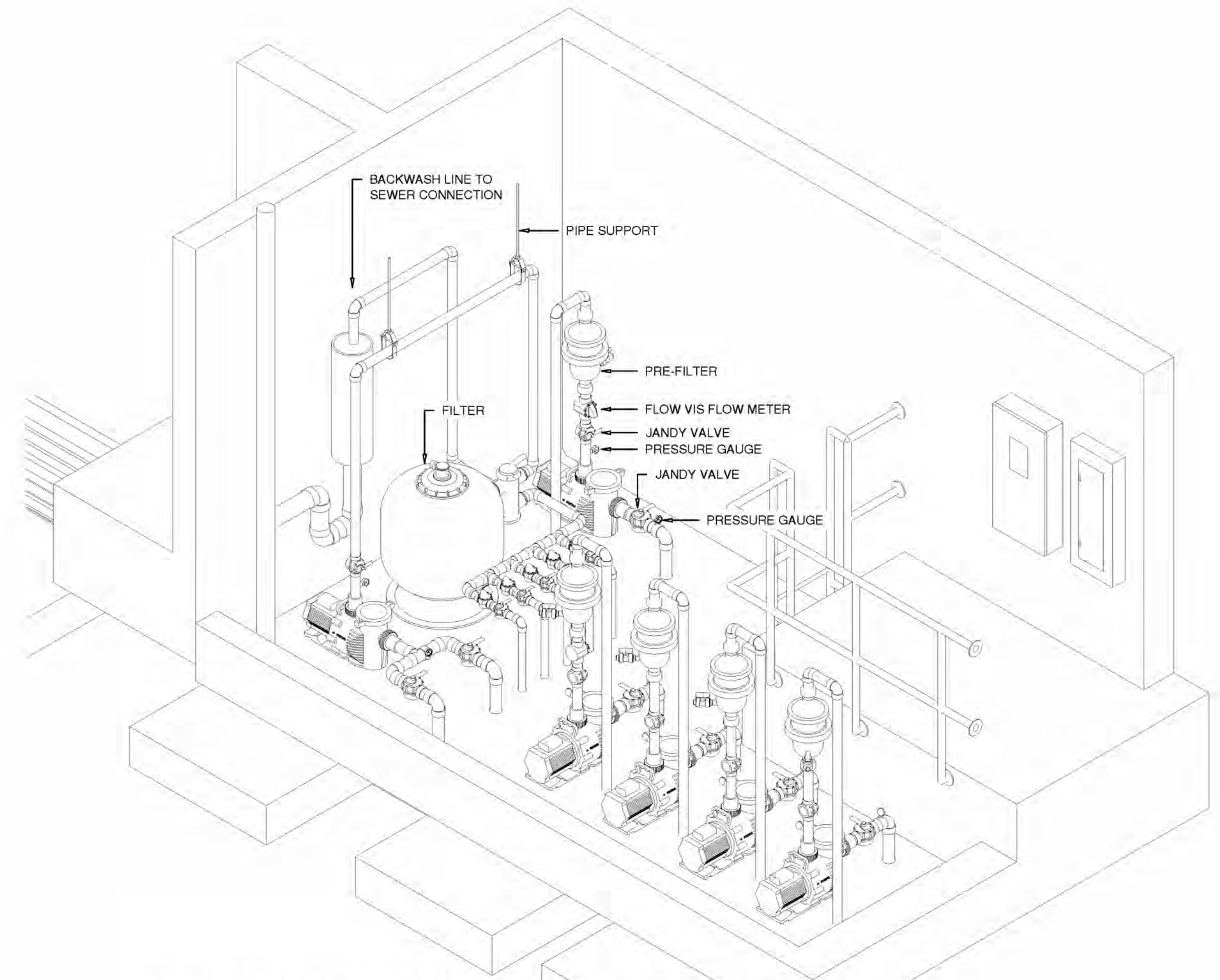
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1 WATER FEATURE - EQUIPMENT (PLAN)
Scale: 1/2"



2 PLUMBING RISER DIMENSION (PLAN)
Scale: 1/2"



2 EQUIPMENT & PLUMBING 3D (SCHEMATIC)
Scale: NTS

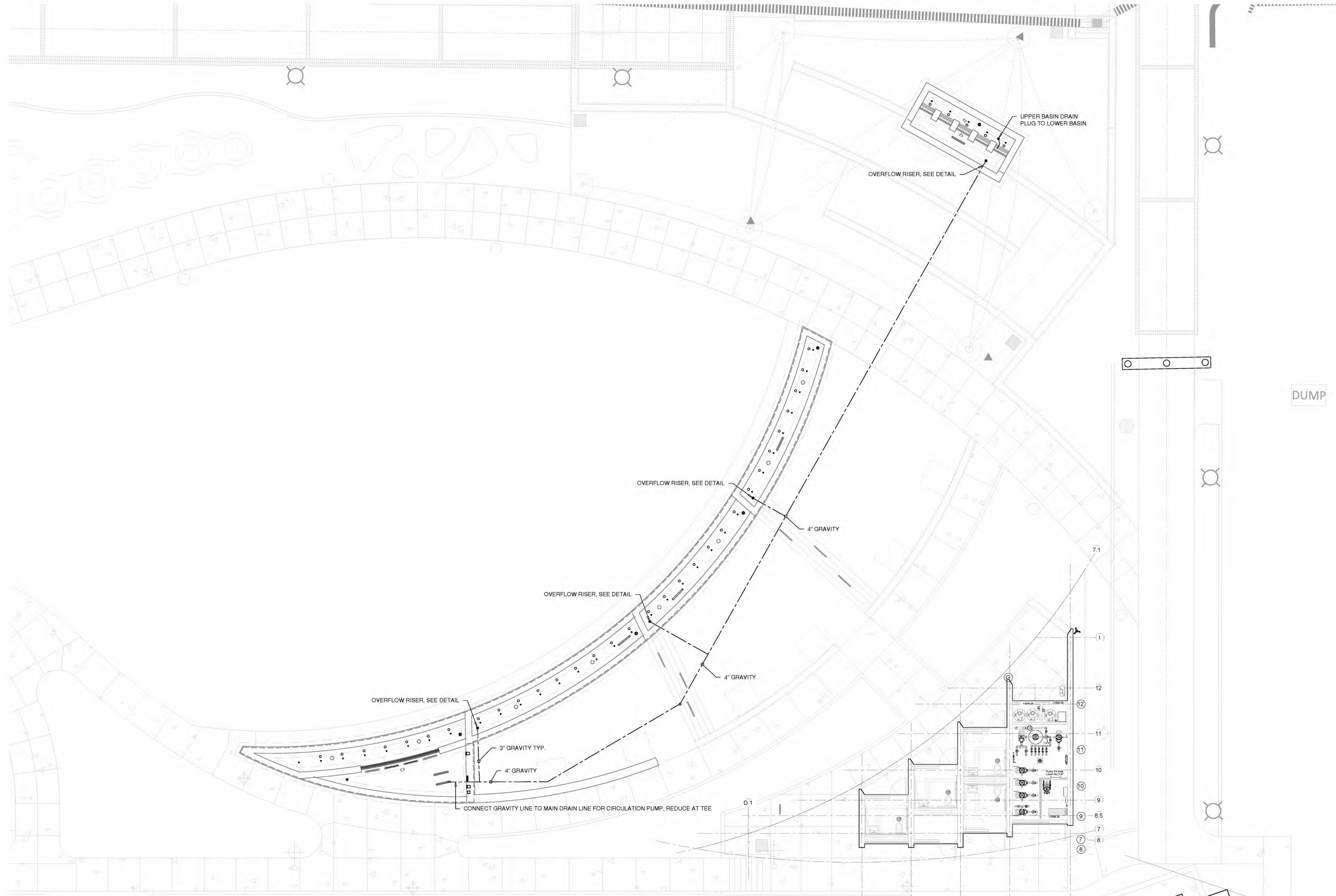
- C CIRCULATION EQUIPMENT**
- C1. CIRCULATION PUMP - POOL (P-1) PENTAIR POOL PRODUCT. MODEL: INTELLIFLO 3, #11075, 3 HP W/ VFD, 208-230V, 12.4 - 11.2 AMPS, PORT SIZE: 3-INCH X 3-INCH (QTY. 1) NOTE: PUMP SET @ 75GPM. INSTALL PUMP ON VIBRATION ISOLATORS. SEE SHEET WF-5.2 DETAIL 5 (QTY. 1)
 - C2. CIRCULATION FILTER - POOL: PENTAIR POOL PRODUCT. MODEL: TRITON SAND, 4.9 SOFT, TR100C, #140315, (QTY. 1) - BACKWASH VALVE, FULL FLOW XF MODEL #263010, (QTY. 1) FILTER MOUNTING ANCHORS, SEE: SHEET WF-5.3 DETAIL 7
 - C3. NOZZLE BOOSTER PUMP - POOL (P-2, P-3, P-4, P-5) PENTAIR POOL PRODUCT. MODEL: INTELLIFLO 3, #11075, 3 HP W/ VFD, 208-230V, 12.4 - 11.2 AMPS, PORT SIZE: 3-INCH X 3-INCH (QTY. 4) NOTE: PUMP SET @ 70GPM @ 60FT OF HEAD. PUMP VIBRATION ISOLATORS, WF-5.2 DETAIL 5 (QTY. 4)
 - C4. NOZZLE PUMP PRE-FILTER: WATERCO PRODUCT. MODEL: MULTI CYCLONE 16 PRO, #200385 (QTY. 4) SHEET WF-5.2, DETAIL 4

- V VALVES AND GAUGES**
- V1. PRESSURE-VACUUM GAUGES: PRODUCT OF SUPER PRO. MODEL #SPG-06-1001 (PRESSURE) & SPG-06-1008 (PRESSURE) INDUSTRIAL GAUGE WITH 2" DIAL, 316 S.S. CASE, GLYCERIN FILLED, RANGE OF 0-60 PSI FOR PRESSURE, AND 0-30 INCHES OF MERCURY FOR VACUUM. SEE SHEET WF-5.3, DETAIL 1 (QTY. 10)
 - V2. DIVERTER VALVES: PENTAIR, 2.5-INCH TO 3-INCH, 2-PORT MAX PRESSURE OF 50 PSI (QTY. PER PLAN)
 - V3. FLOW METER/CHECK VALVE: PRODUCT OF H2FLOW. MODEL #FLOWVIS, WWW.H2FLOW.NET. (QTY. 5) SEE: SHEET WF-5.2 DETAIL 9
 - V4. BALL VALVES: ASAHI MODEL TYPE: TRUE UNION, 1-INCH TO 3-INCH, WITH VITON SEALS AND TEFLON SEATS (QTY. AS NEEDED)
 - V5. BACK-FLOW PREVENT: RP2 COORDINATED ITEM PROVIDED BY MEP, ONE FOR EACH AUTO FILL SYSTEM. (QTY. 1)

- S SANITATION EQUIPMENT**
- S1. CHEMISTRY CONTROLLER: PROMINENT, DCM 300, NSF APPROVED. INSTALL CONTROL CIRCUITS, SEE: SHEET WF-5.2, DETAIL 1 (QTY. 1)
 - S2. CHLORINE FEED PUMPS: PRODUCT OF STENNER PUMP COMPANY. MODEL #85MP3, UP TO 40 GALLONS PER DAY. SEE: SHEET WF-5.2, DETAIL 2 & 3. (QTY. 1 - 1 BACKUP)
 - S3. CHEMICAL TANKS (LIQUID CHLORINE) ASSMANN CORP OF AMERICA; 40 GALLON; DOUBLE WALL, 7" FUME TIGHT LID, MODEL IMT40. SEE CUT SHEET & DETAILS (QTY. 2)
 - S4. PH ACID CONTROL PUMPS: PRODUCT OF STENNER PUMP COMPANY. MODEL #85MPH10, UP TO 10 GALLONS PER DAY. SEE: SHEET WF-5.2, DETAIL 2 & 3. (QTY. 1 - 1 BACKUP)
 - S5. CHEMICAL TANK (MIRIATIC ACID) ASSMANN CORP OF AMERICA; 40 GALLON; DOUBLE WALL, 7" FUME TIGHT LID, MODEL IMT 40. SEE CUT SHEET & DETAILS (QTY. 1)
 - S6. ACID SCRUBBER: PROMINENT; PIN #7747090, 3/4 NPT, REFILL KIT PIN #7747102. INSTALL ABOVE TANK SEE: SHEET WF-5.3, DETAIL 3 (QTY. 1)
 - S7. EYEWASH STATION: HAWS, MODEL# 7501; PORTABLE EYEWASH STATION; 9 GALLONS; ANSI APPROVED; MOUNT ON DOOR SEE: SHEET WF-5.4 DETAIL 3 (QTY. 1)
 - S8. FILTER BACKWASH RISER: CONNECTION TO SEWER PROVIDED BY MEP, PROVIDE 6" MIN. AIR GAP, SEE: SHEET WF-5.2, DETAIL 7 & 8.
 - S9. CHEMICAL SEPARATION WALL PROVIDED AS PART OF BUILDING DESIGN.
 - S10. PIPE SLEEVING FOR CHEMICAL TUBING: 1-1/2" MIN PVC OR CONDUIT. SEE: SHEET WF-5.3, DETAIL 2
 - S11. PIPE SUPPORTS: STAINLESS STEEL UNI-STRUT WITH 1/2" S.S. NUT AND SQUARE WASHERS, FLOOR MOUNTS WITH ANCHORS. SEE: SHEET WF-5.3 DETAIL 8
 - S12. CHEMICAL SPILL CONTAINMENT & WORK RAMP: EAGLE, TWO EACH 2-DRUM PLATFORMS #1632 W/ ONE EACH RAMP 1689, SEE: SHEET WF-5.4, DETAIL 2
 - S13. PORTABLE VACUUM SYSTEM, WATERCO PRODUCT, ULTRA-VAC PORTABLE, 3/4 HP, 50 FT CORD, PART#16V1167 (QTY. 1)

- V ELECTRICAL**
- E1. TIME CLOCK: PRODUCT OF INTERMATIC. MODEL #E153, 120V, 60HZ, DIGITAL CONTROL - PROVIDED TO SET THE WATER FEATURE OPERATION TIMES, COORDINATE TIMES (QTY. 1)
 - E2. ANIMATION CONTROL PANEL: HOBBS FOUNTAINS, 120/230V, 3φ #CUSTOM (QTY. 1)
 - E3. LIGHTING CONTROLS: HOBBS FOUNTAINS, #120/230V, 3φ #CUSTOM (QTY. 1)
 - E4. AUTO FILL SYSTEM: PROVIDED BY FOUNTAIN CONTRACTOR, 12V, #CUSTOM SHEET WF-5.2, DETAIL 6 (QTY. 1)

REV.	OR.	CHK.	DATE	DESCRIPTION
0		RP	5/27/2024	ISSUED FOR BID

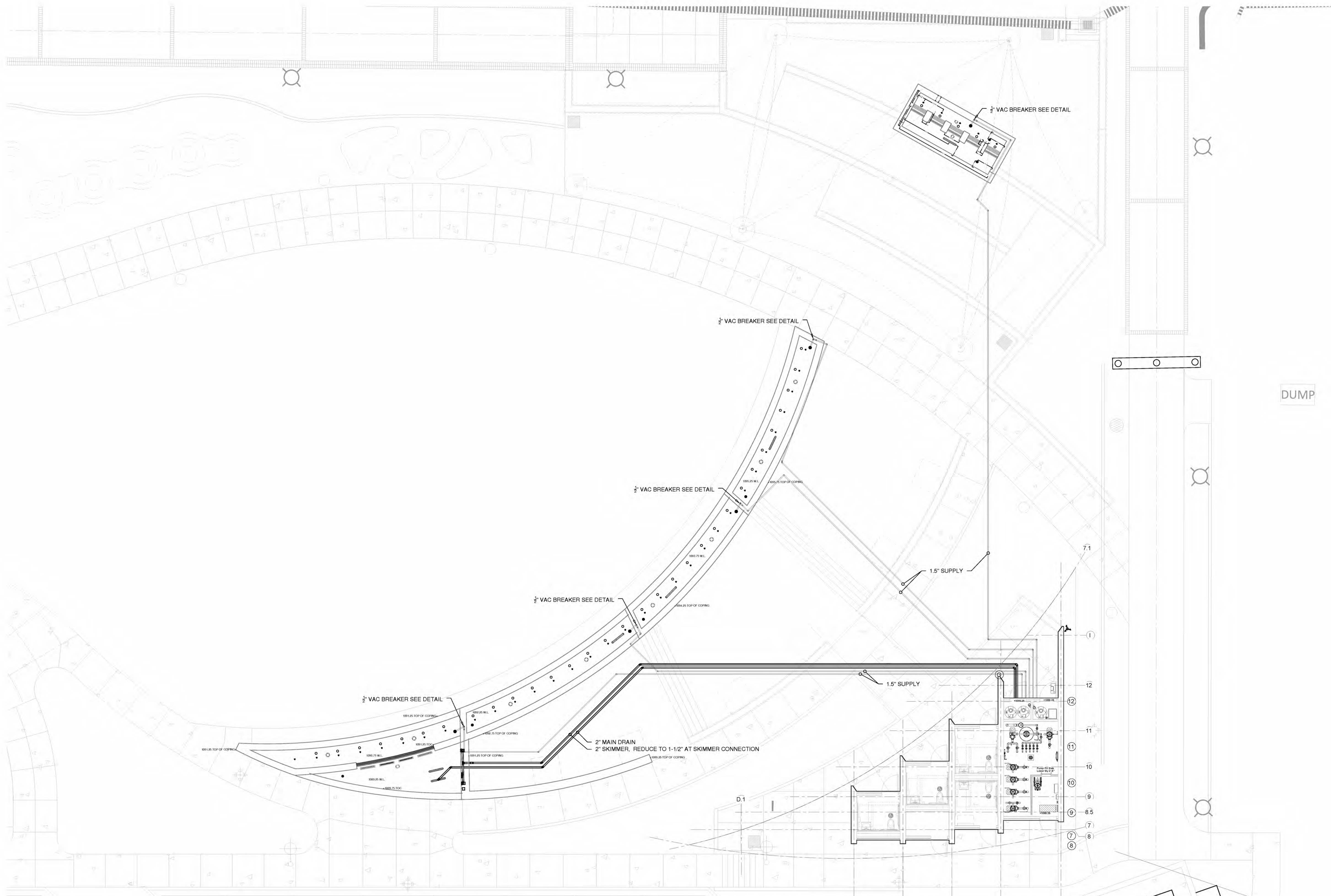


DUMP

1 COURTYARD WATER FEATURES - GRAVITY SYSTEM (PLAN)
Scale: 1/8"

USER:HPAULSON
FILE:P:\03-116 - Tucker Town Green\Drawings\TTG-Master.dwg
SAVED:5/6/2024
PLOTTED:5/6/2024

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0		TS	5/27/2024	ISSUED FOR BID



1 COURTYARD WATER FEATURES - CIRCULATION SYSTEM (PLAN)
Scale: 1/8"

USER:HPAULSON
FILE:P:03-116 - Tucker Town Green Drawings\TIG-Master.dwg
SAVED:5/6/2024
PLOTTED:5/6/2024

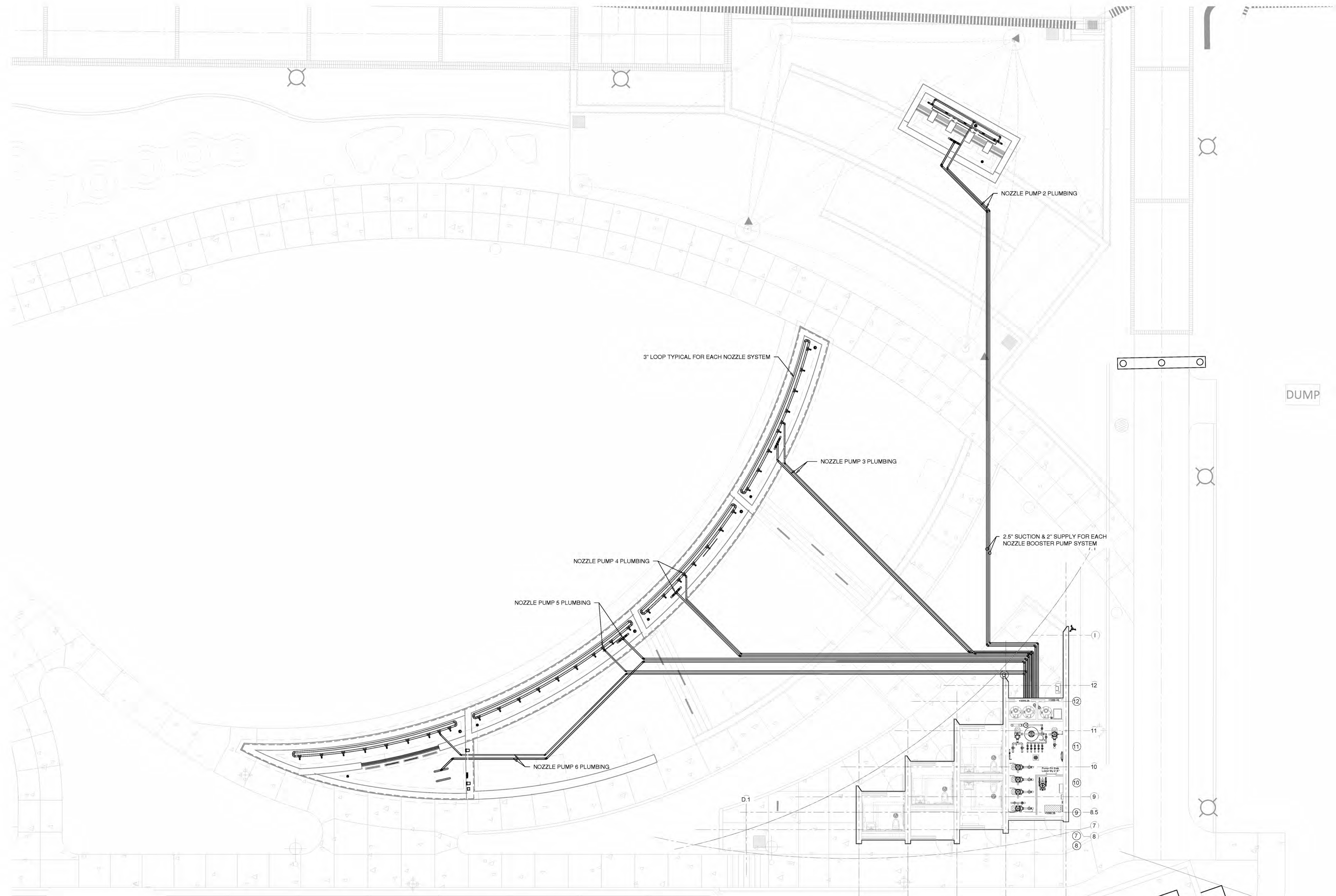


WATER FEATURE CIRCULATION SYSTEMS

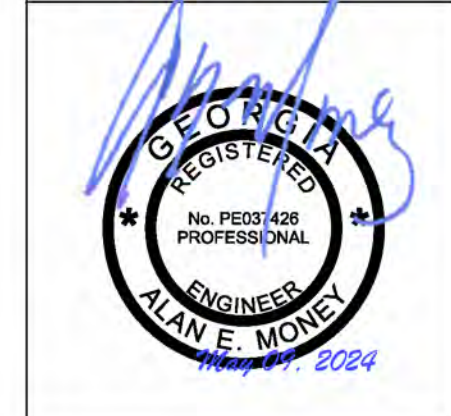
CITY OF TUCKER
TUCKER TOWN GREEN PARK
4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

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USER:HPAULSON
 FILE:P:03-116 - Tucker Town Green Drawings\TTG-Master.dwg
 SAVED:5/6/2024
 PLOTTED:5/6/2024



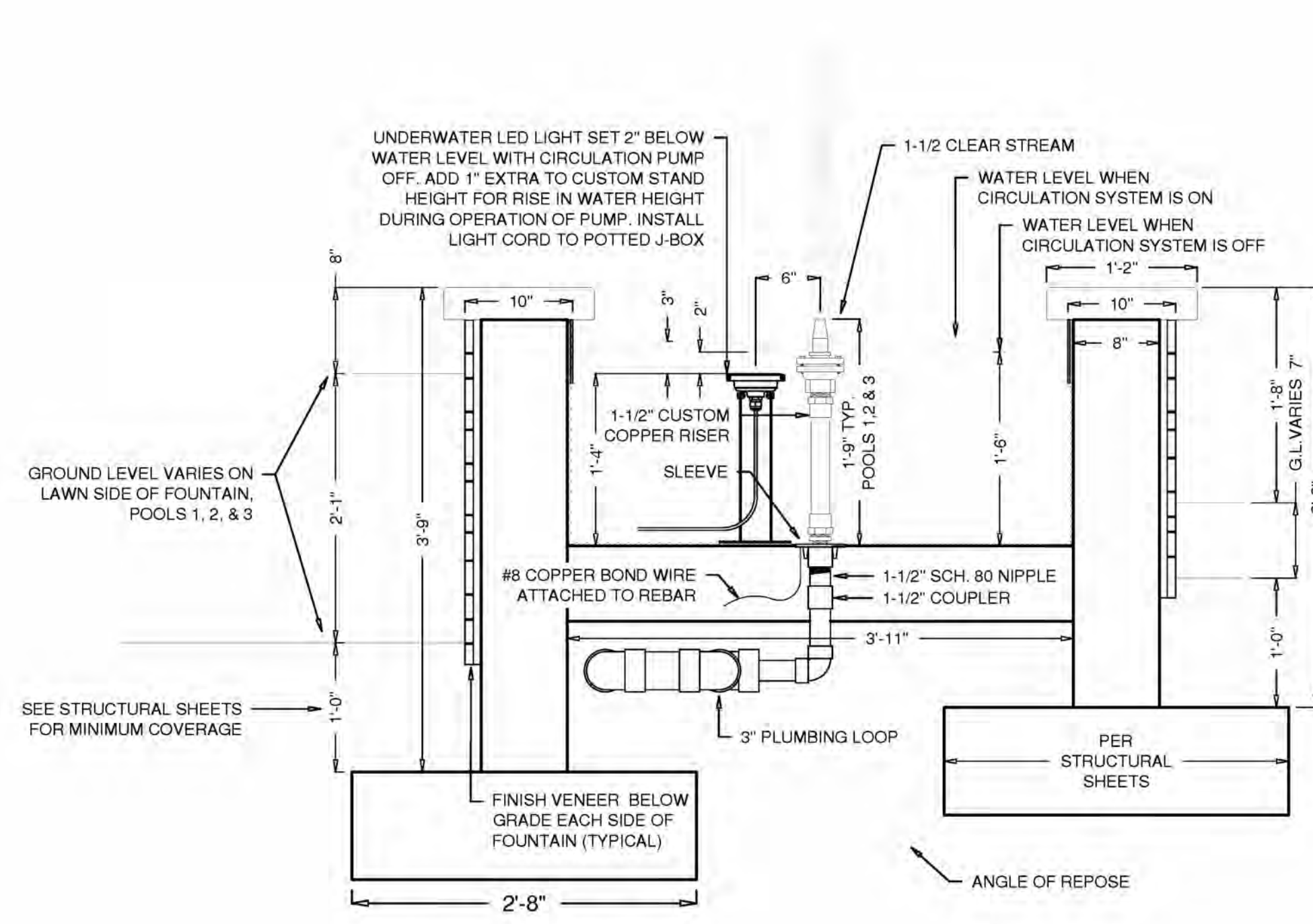
1 COURTYARD WATER FEATURES - BOOSTER SYSTEM (PLAN)
 Scale: 1/8"



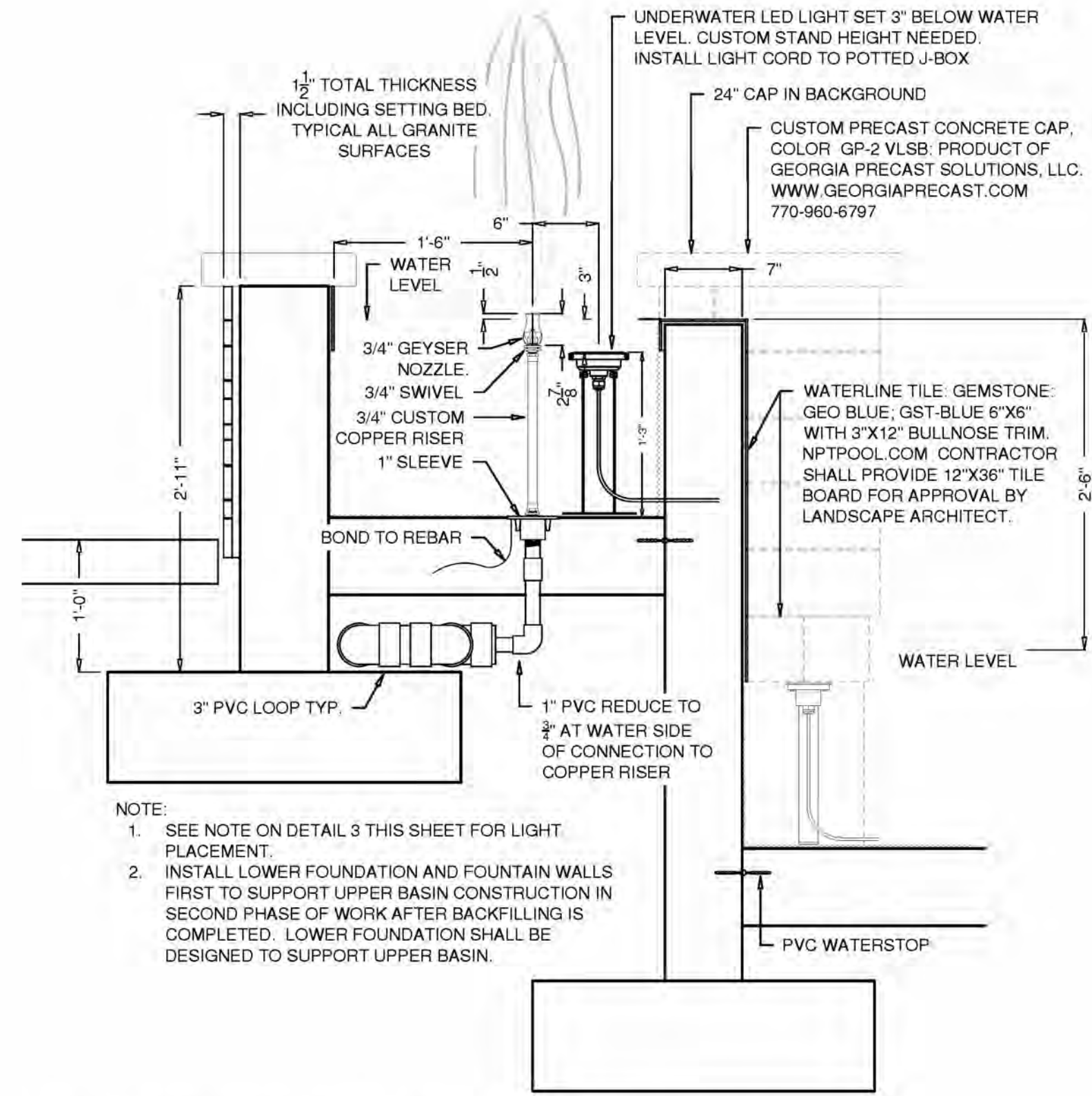
WATER FEATURE NOZZLE SYSTEMS

CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4236 RAILROAD AVENUE, TUCKER, GEORGIA 30084

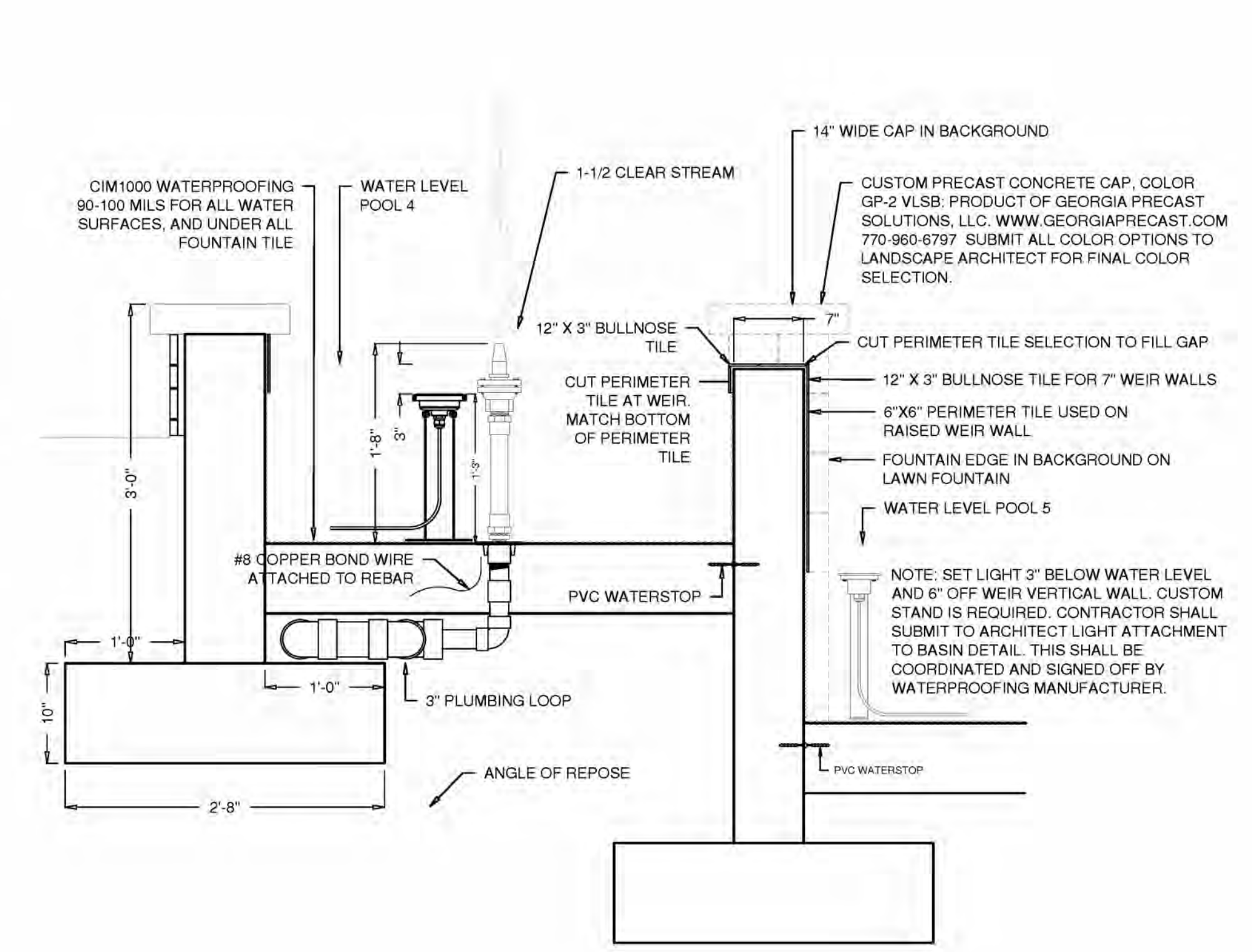
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0		HP	5/27/2024	ISSUED FOR BID



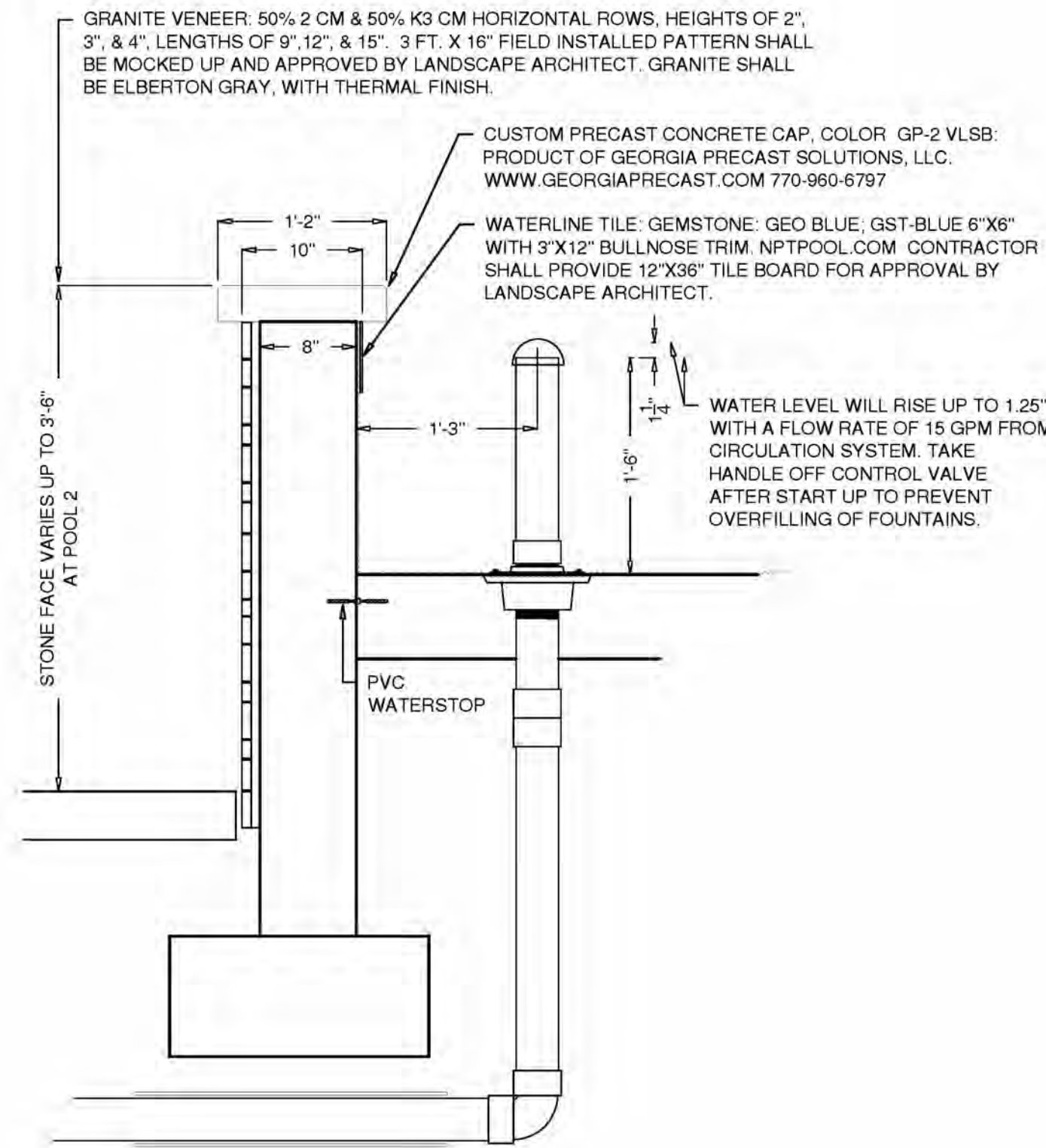
1 CLEAR STEAM JET (SECTION - 32 EA.)
Scale: 1" = 1'



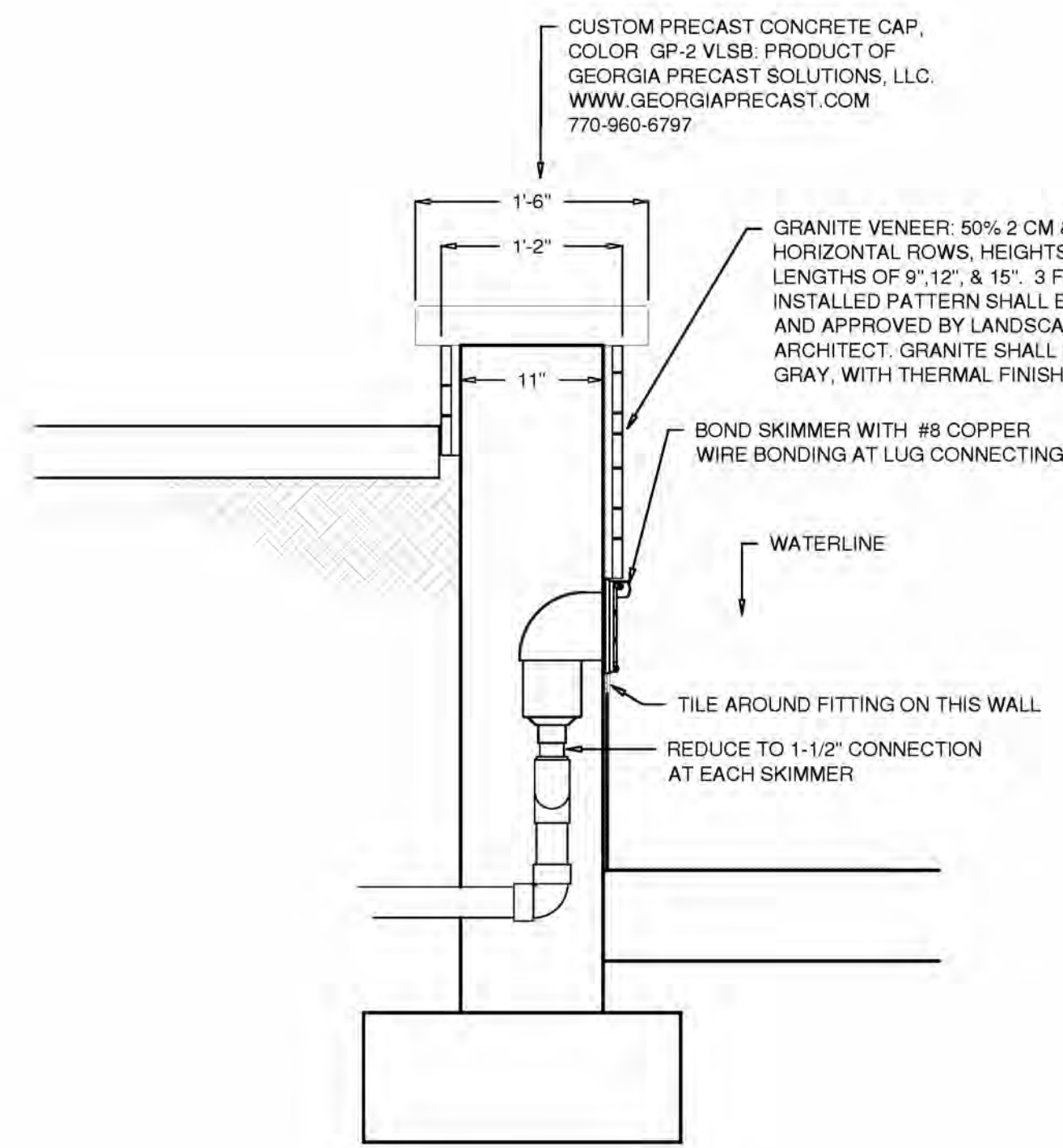
2 GEYSER JET (SECTION - 5 EA.)
Scale: 1" = 1'



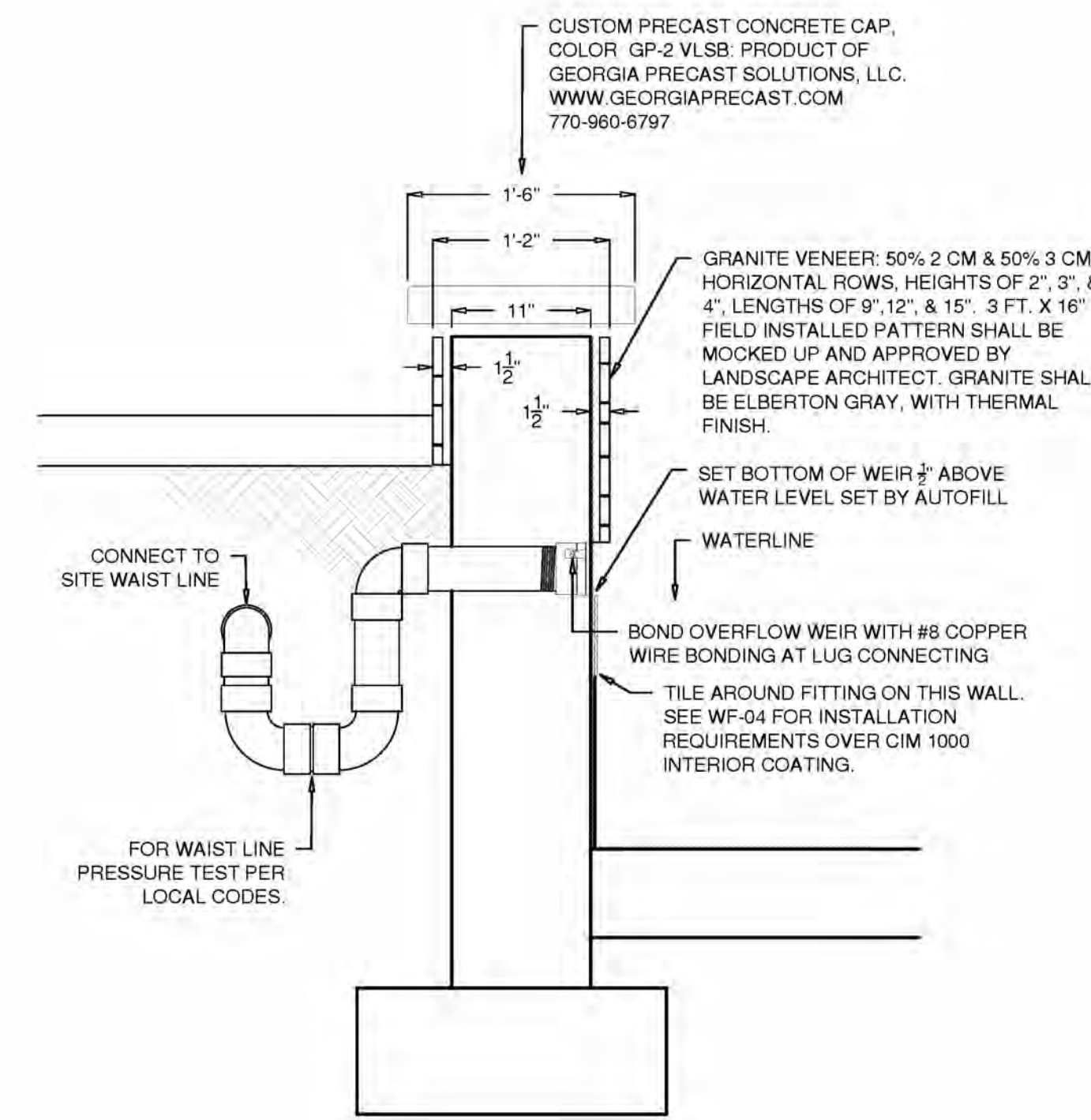
3 WEIR SECTION
Scale: 1" = 1'



4 CIRCULATION OVERFLOW FITTING (SECTION)
Scale: 1" = 1'

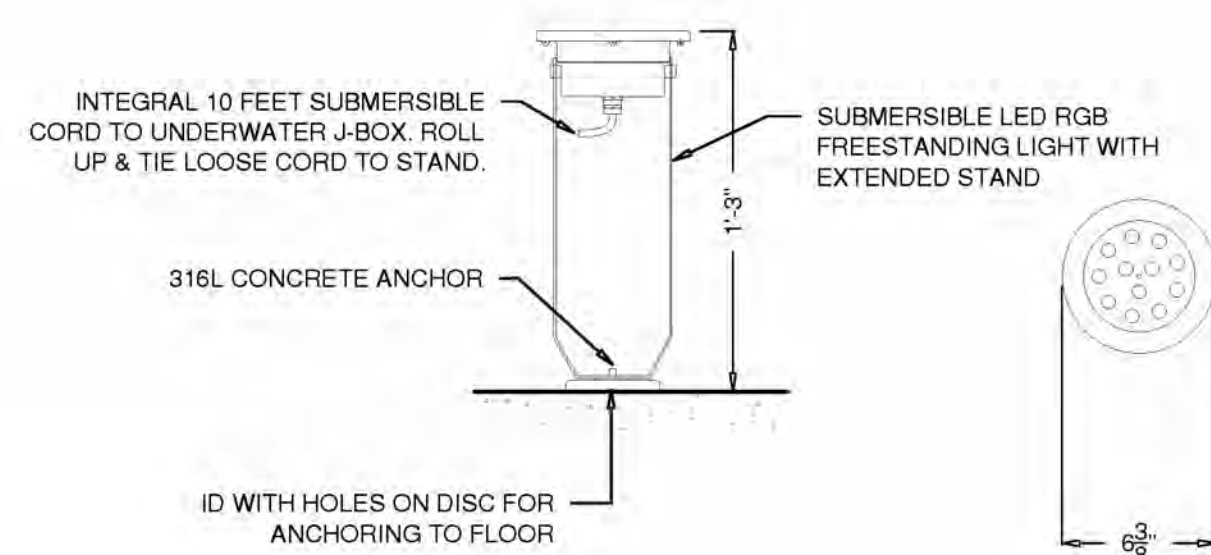


5 WATER FEATURE SKIMMER
Scale: 1" = 1 FT.

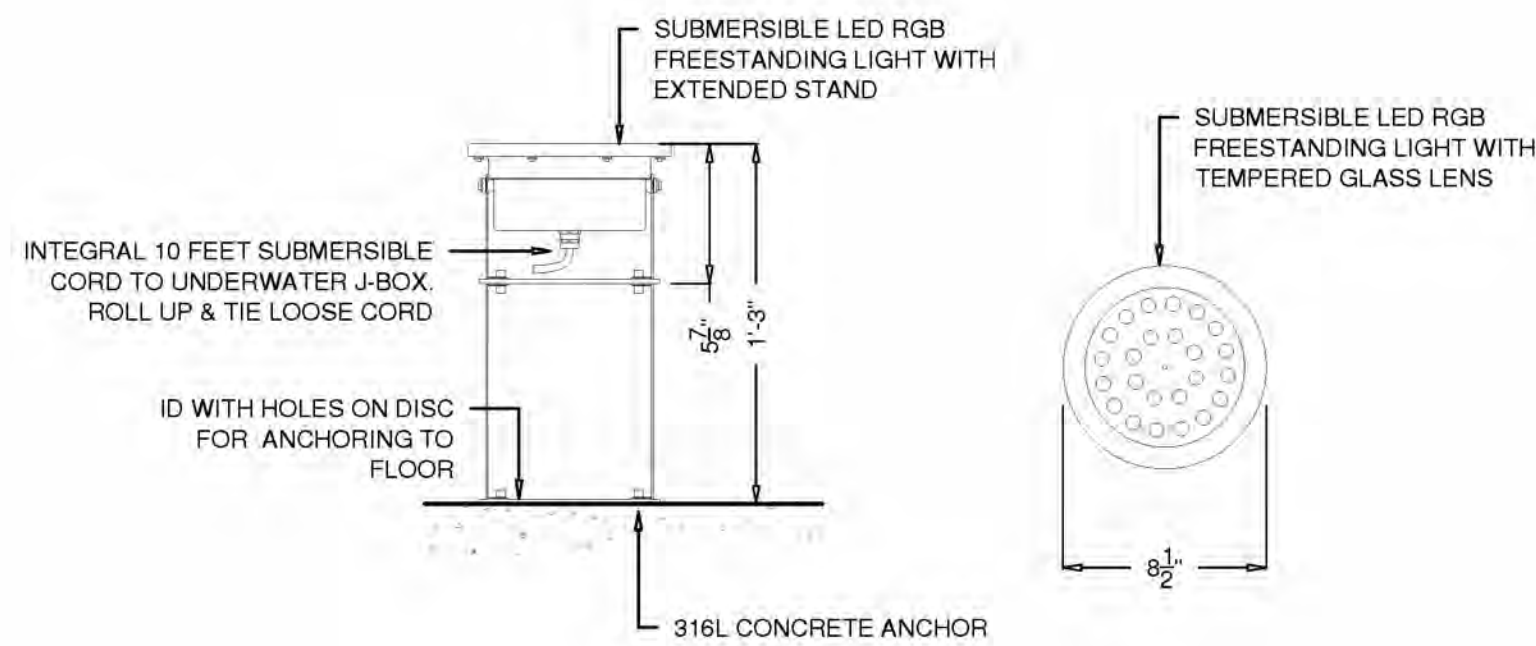


6 LOWER BASIN OVERFLOW FITTING (SECTION)
Scale: 1" = 1'

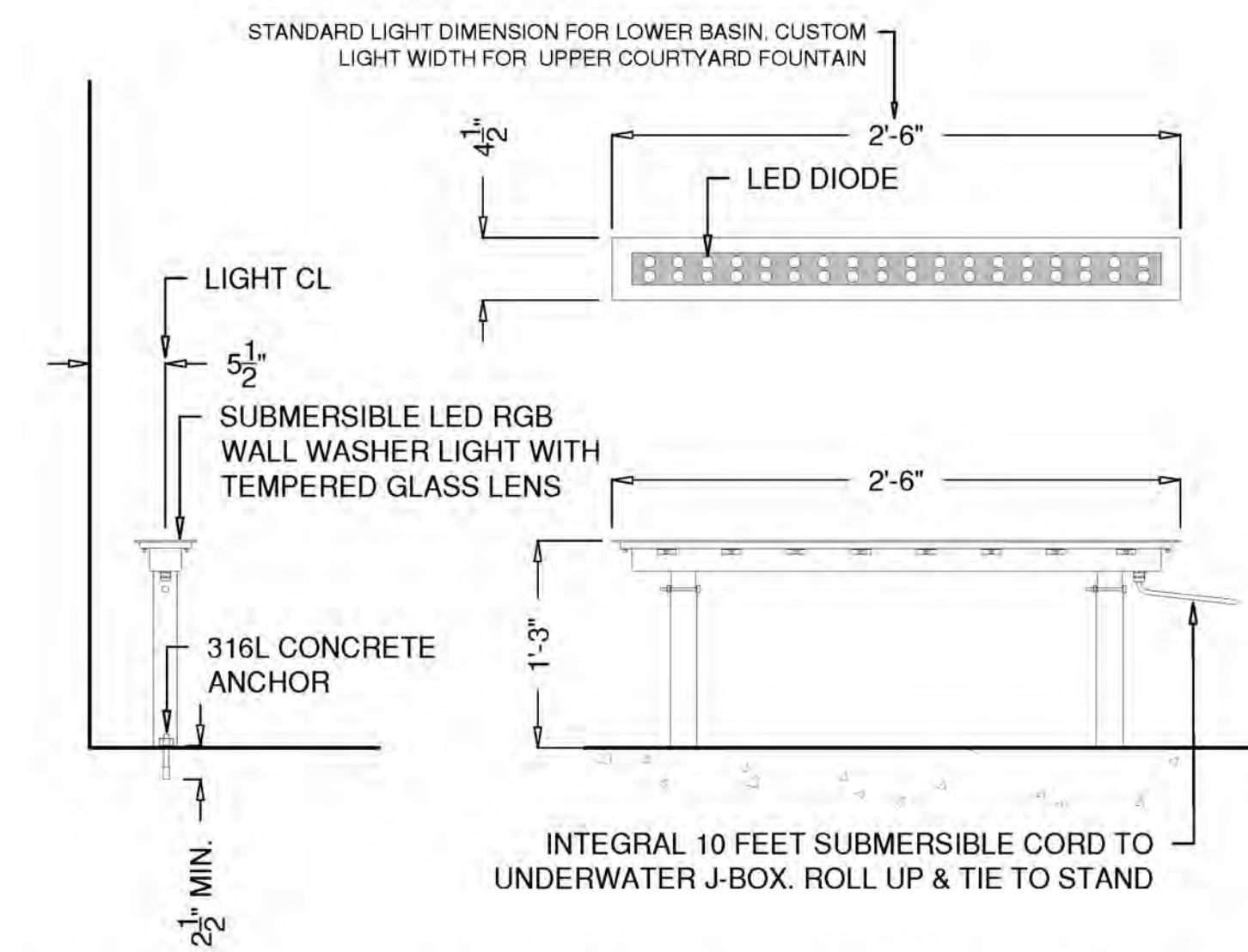
REV.	OR	CHK.	DATE	DESCRIPTION
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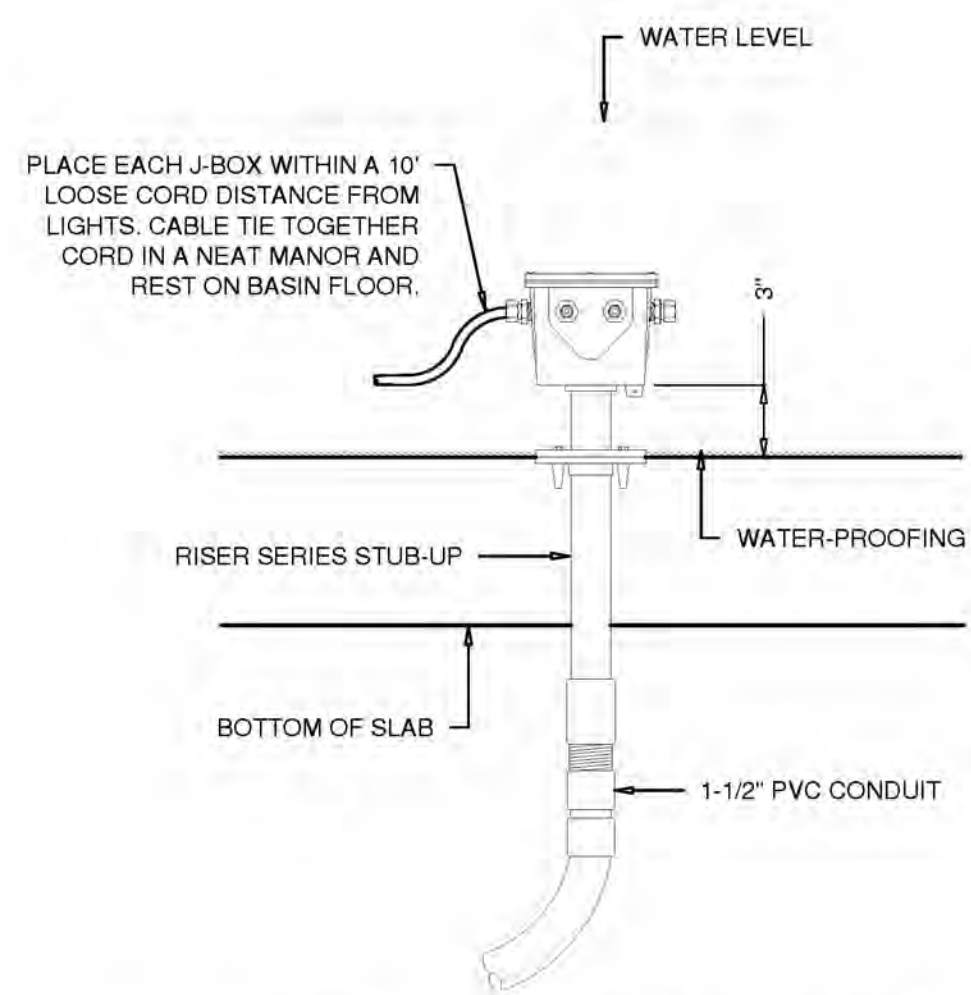
1 36 WATT LED LIGHT (SECTION & PLAN)
Scale: 1-1/2"=1'



2 72 WATT LED LIGHT (SECTION & PLAN)
Scale: 1-1/2"=1'

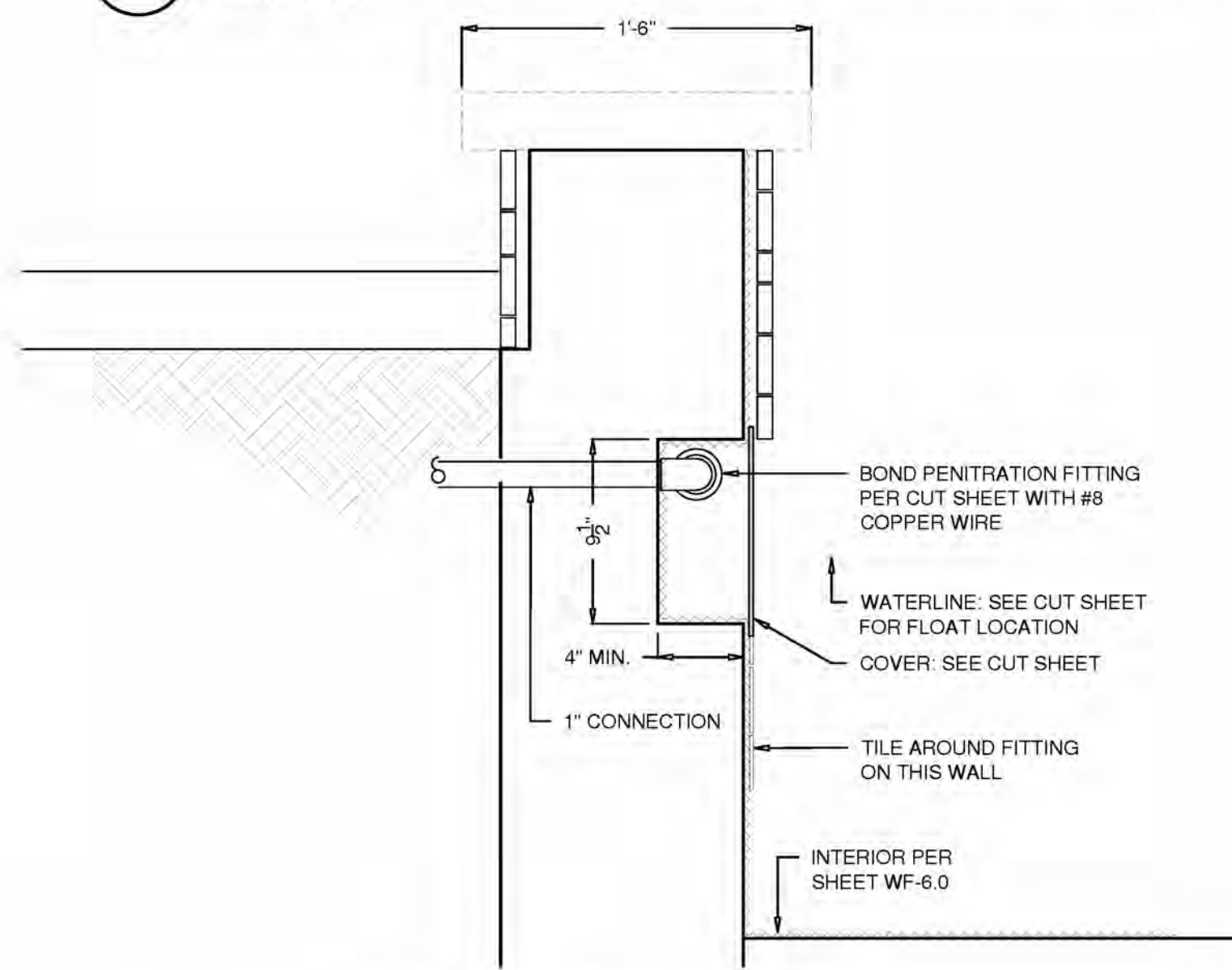


3 72 WATT WALL LED LIGHT (SECTION & PLAN)
Scale: 3/4"=1'

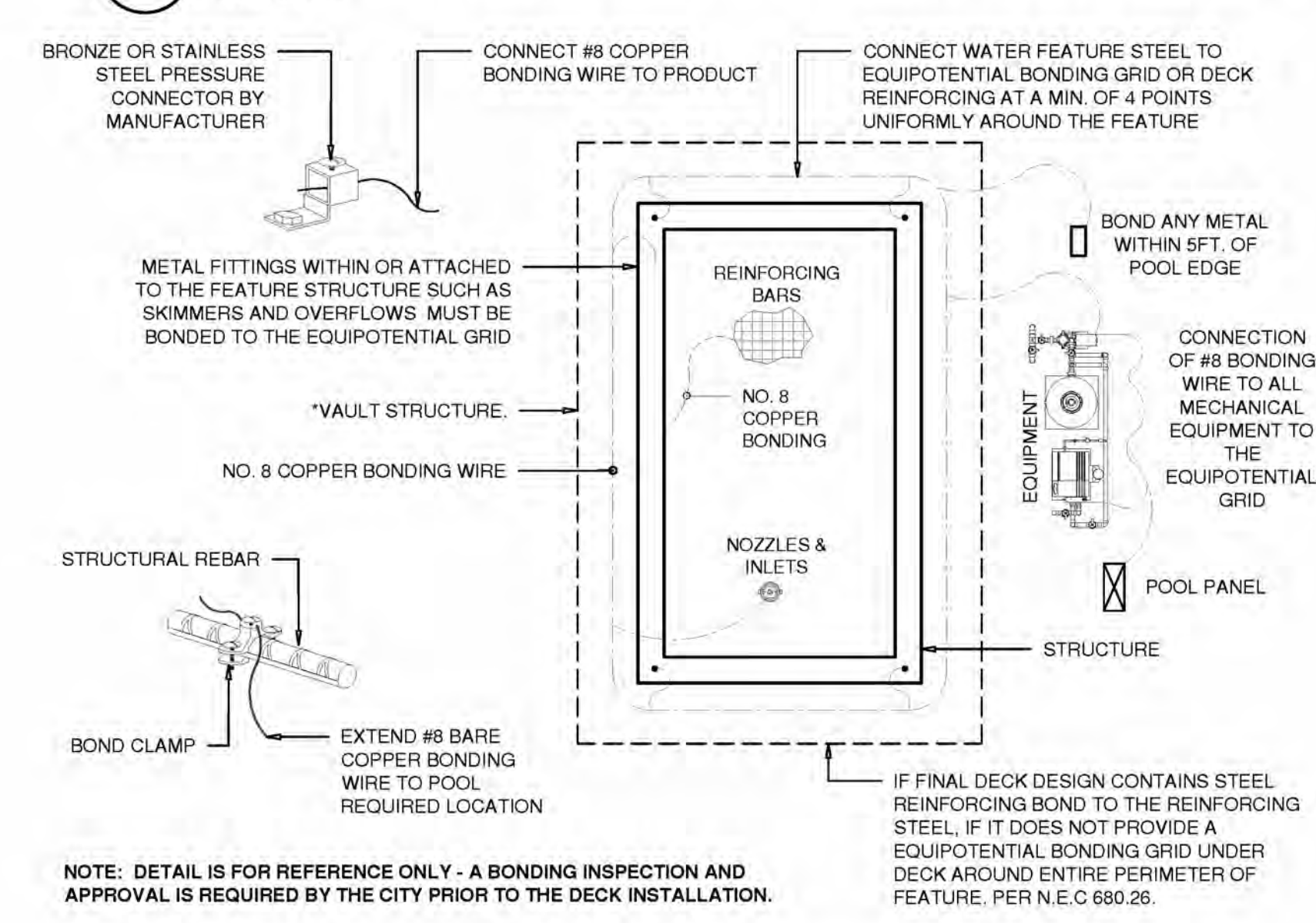


- NOTES**
- (1) FOLLOW INSTRUCTIONS SHIPPED WITH PRODUCT
 - (2) FOR PROPER AND EVEN GASKET SEALING, STAGGER THE FASTENER TIGHTENING PROCESS
 - (3) INSTALL WITH CORD SEAL & POTTING COMPOUND.
 - (4) ELECTRICAL J-BOX IS U.L. AND CSA. CERTIFIED
 - (5) REVIEW MAXIMUM NO. OF CORD SEALS FOR THIS J-BOX PER INSTALLATION INSTRUCTIONS
 - (6) SEE SHEET CUT SHEET ON WF-0.3 FOR DIMENSIONS
 - (7) INSTALLER TO POT BOX WITH APPROVED ENCAPSULATE TYPE 3M-4441 OR EQUIVALENT
 - (8) CONTRACTOR TO PROVIDE CUSTOM THREADED RISER CONNECTION N.P.T. USE (THREAD SEALANT) FOR CONNECTION TO A BONDED FLANGE AT FOUNTAIN FLOOR.

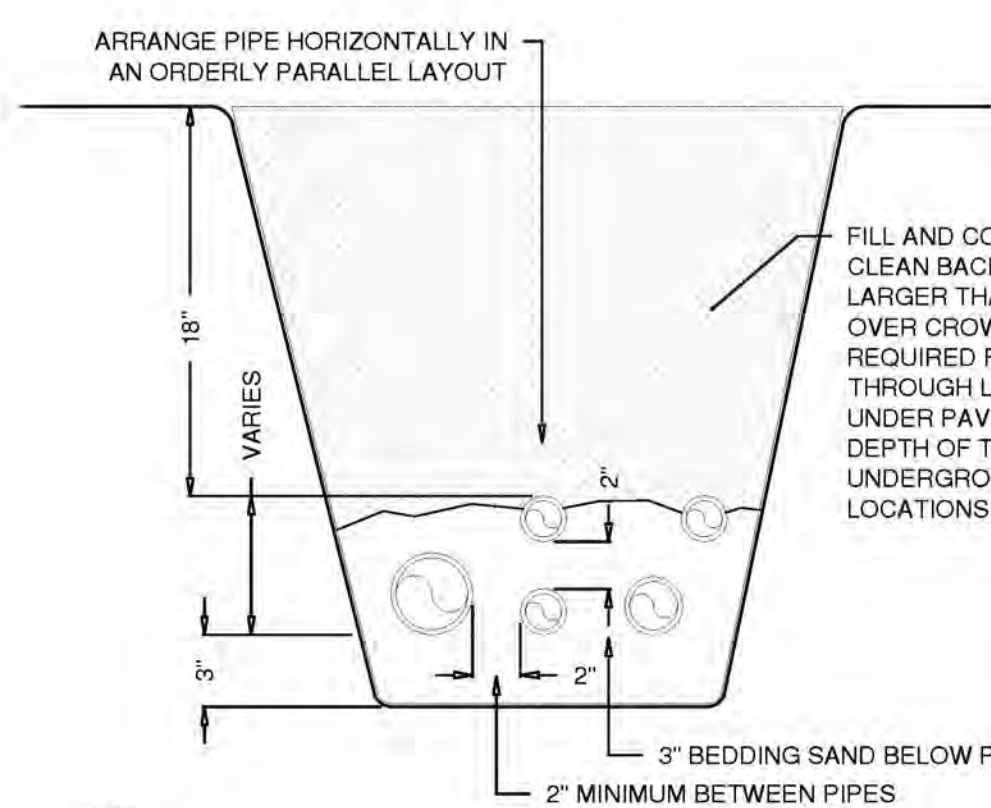
4 JUNCTION (SECTION)
Scale: 1.5"= 1 FT.



5 WATER FEATURE AUTOFILL
Scale: 1.5"= 1 FT.

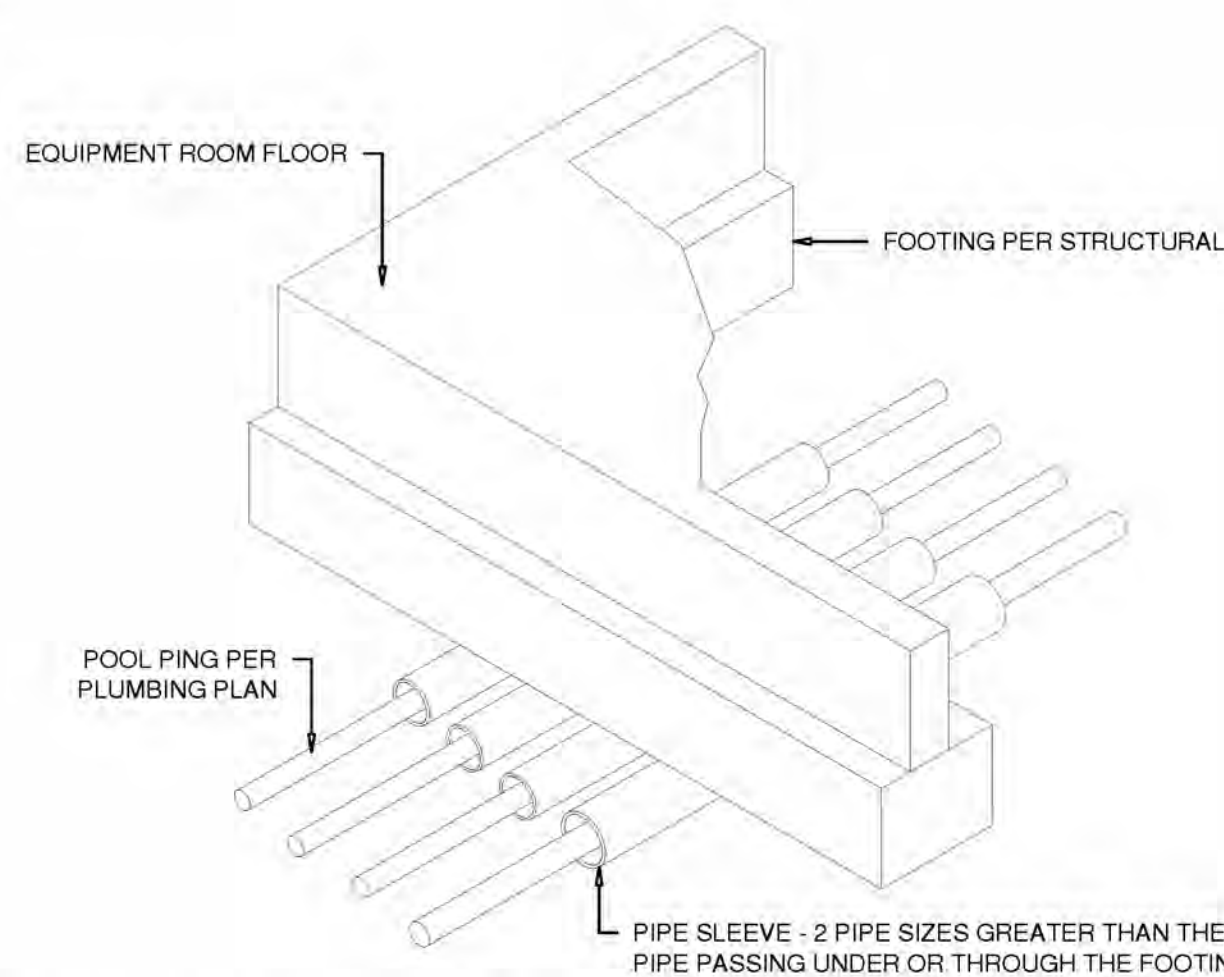


6 BONDING DIAGRAM (SCHEMATIC)
Scale: NTS

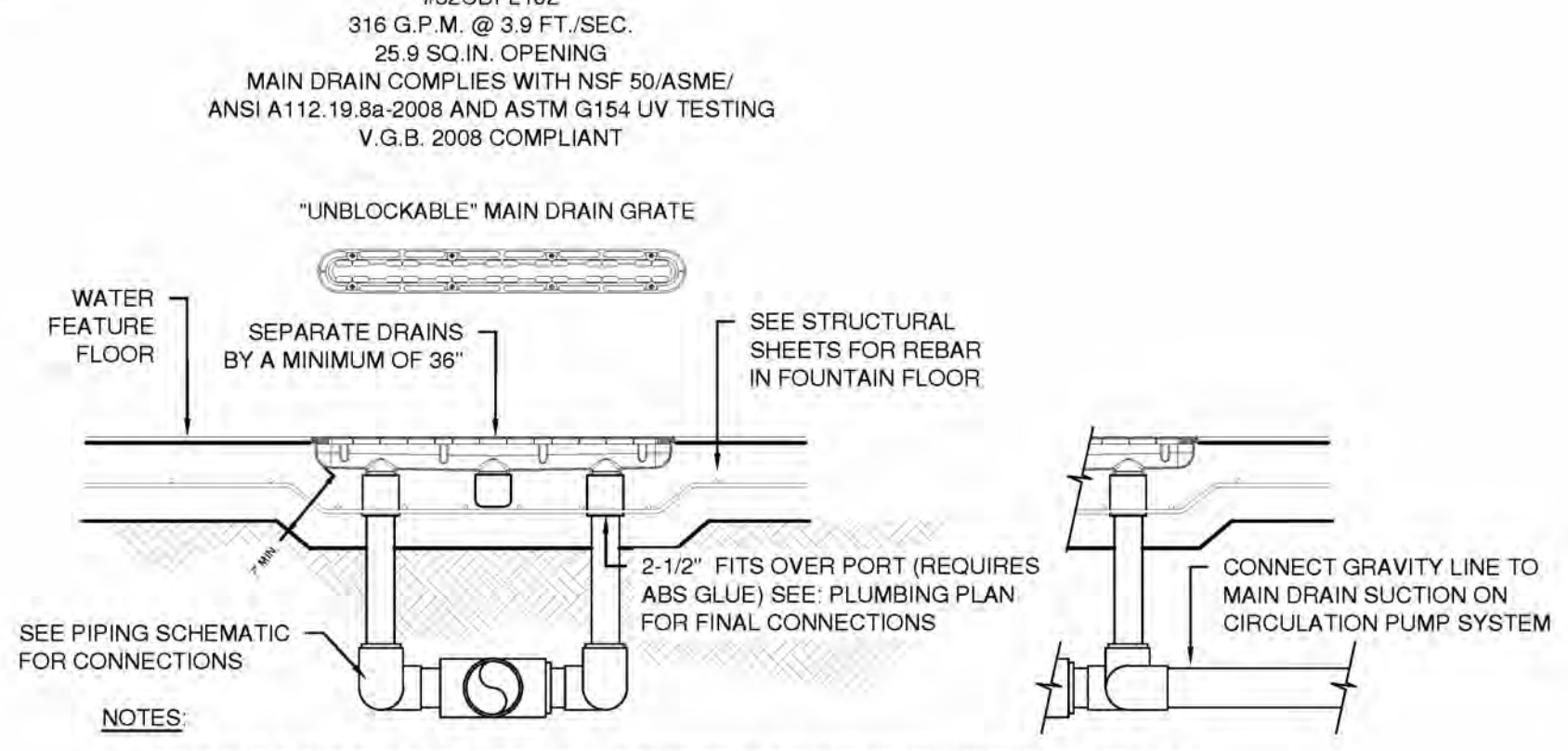


NOTE:
A 30 PSI MINIMUM HYDROSTATIC PRESSURE TEST FOR A DURATION OF 30 MINUTES IS REQUIRED FOR ALL FOUNTAIN PIPING SYSTEMS BEFORE FILLING THE PIPE TRENCH AND DURING THE INSTALLATION OF CONCRETE.

7 TYPICAL PIPING TRENCH
Scale: NOT TO SCALE

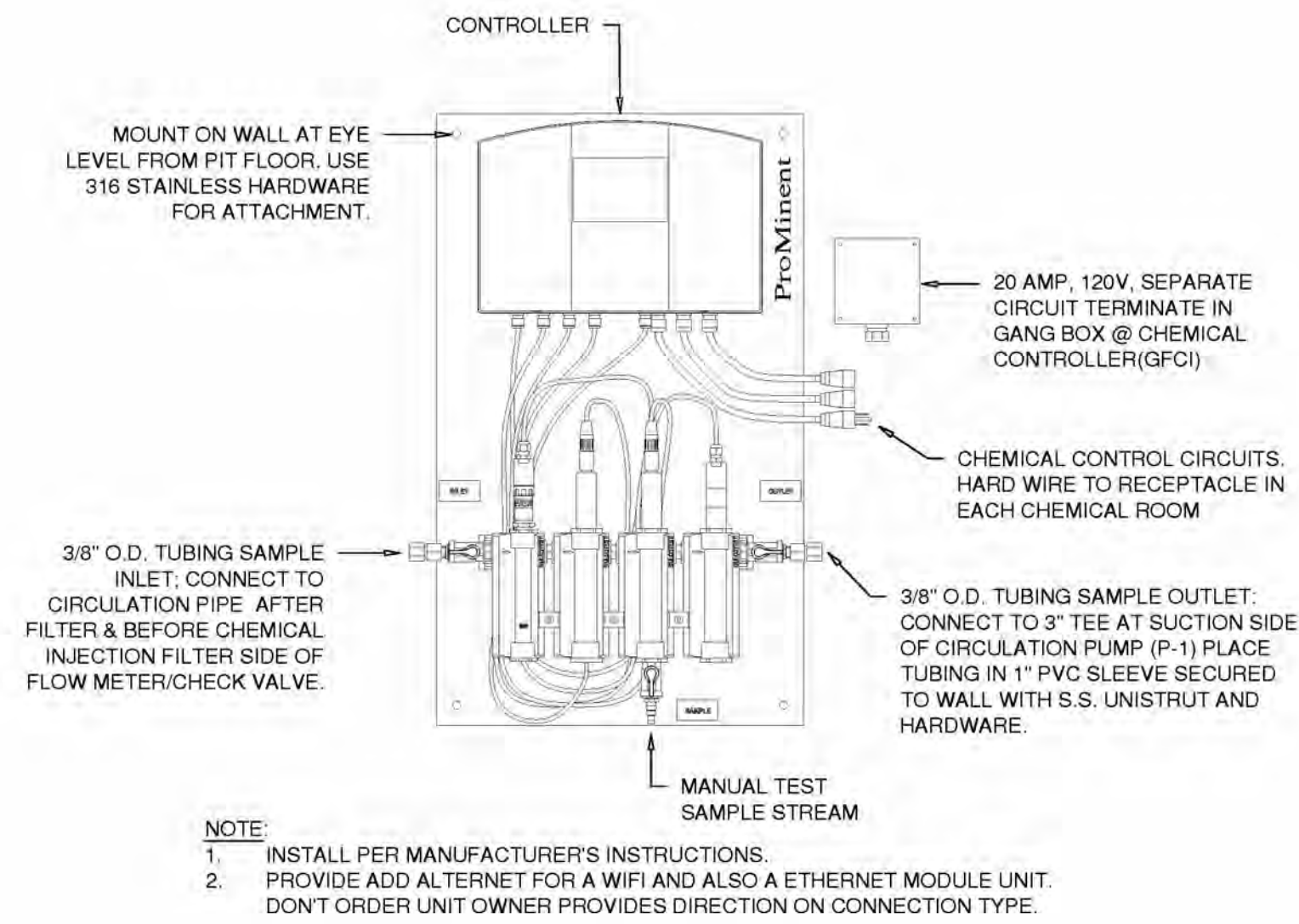


8 PIPE SLEEVING @ FOOTING (SCHEMATIC)
Scale: NTS

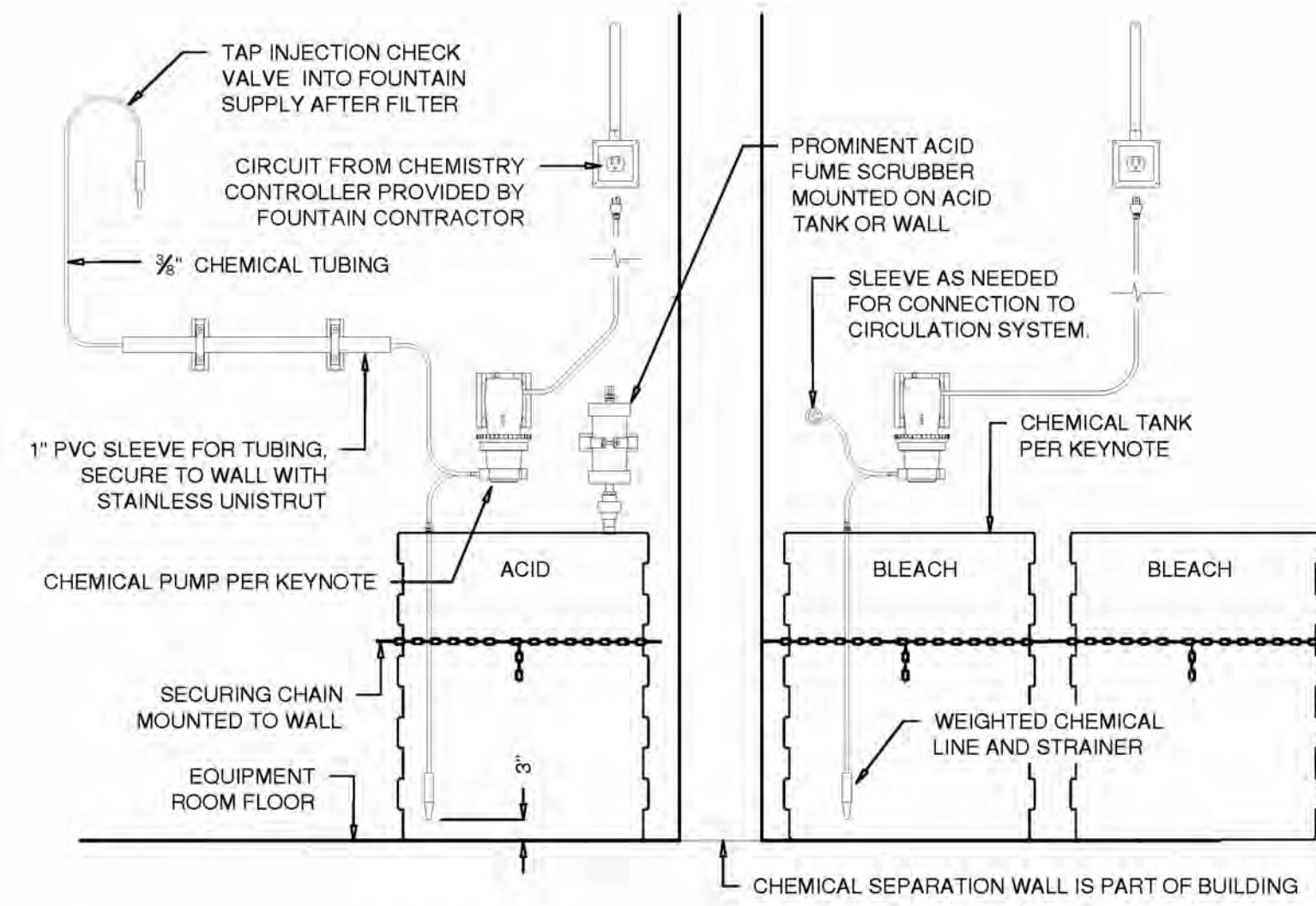


9 MAIN DRAIN
Scale: 3/4"= 1 FT.

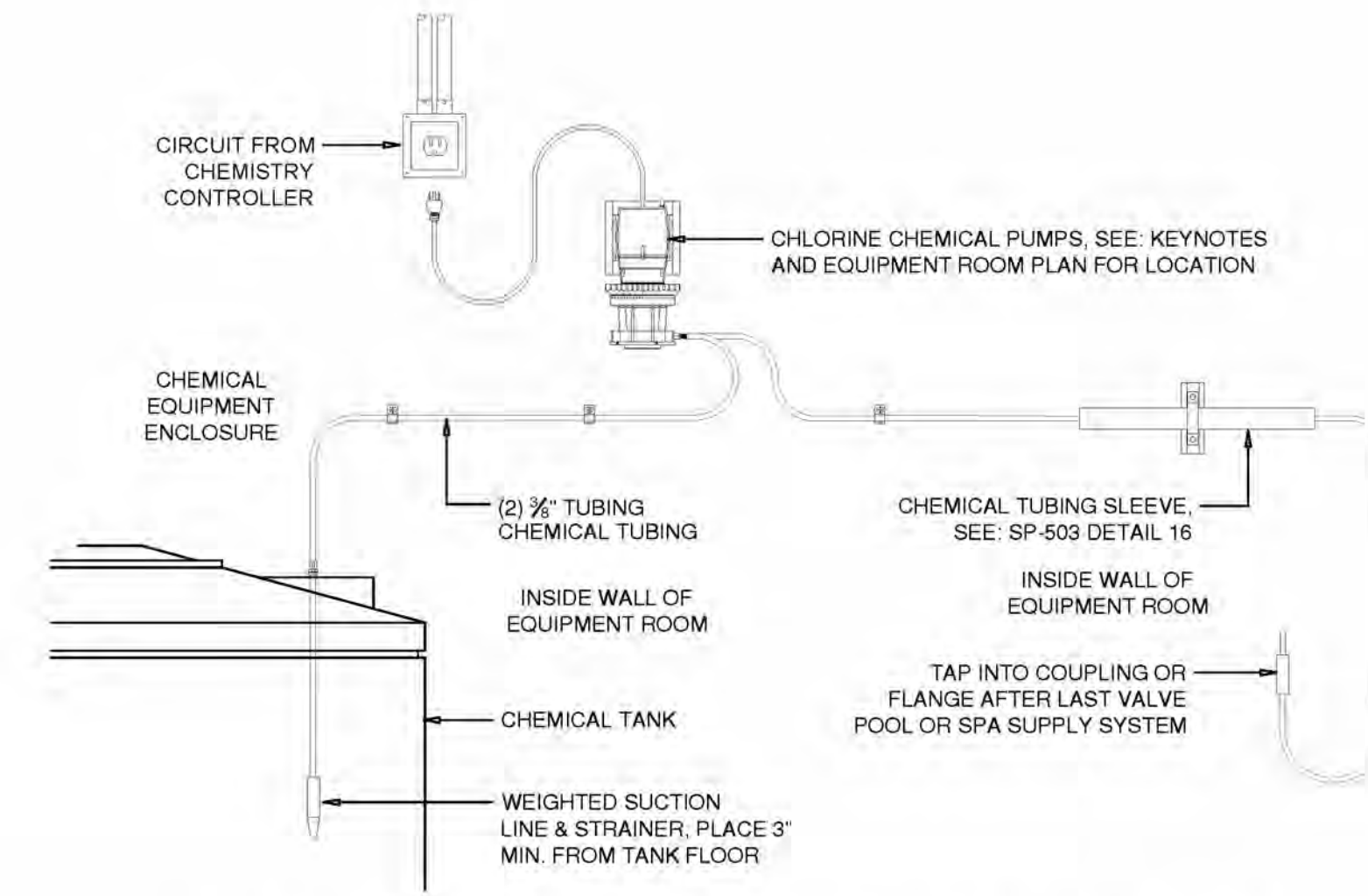
REV.	OR.	CHK.	DATE	DESCRIPTION
0		RP	5/27/2024	ISSUED FOR BID



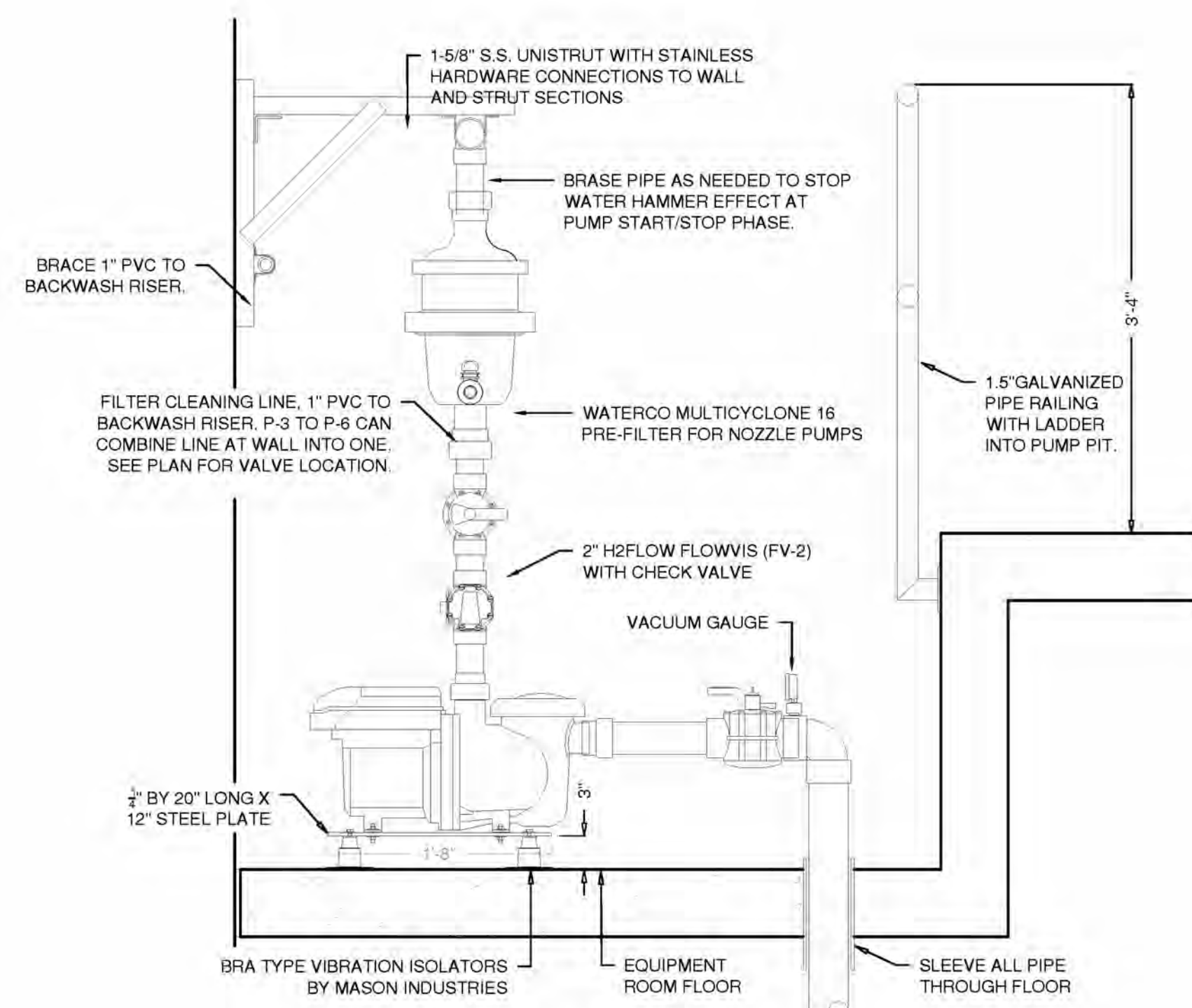
1 CHEMISTRY CONTROLLER
Scale: 1-1/2" = 1 FT.



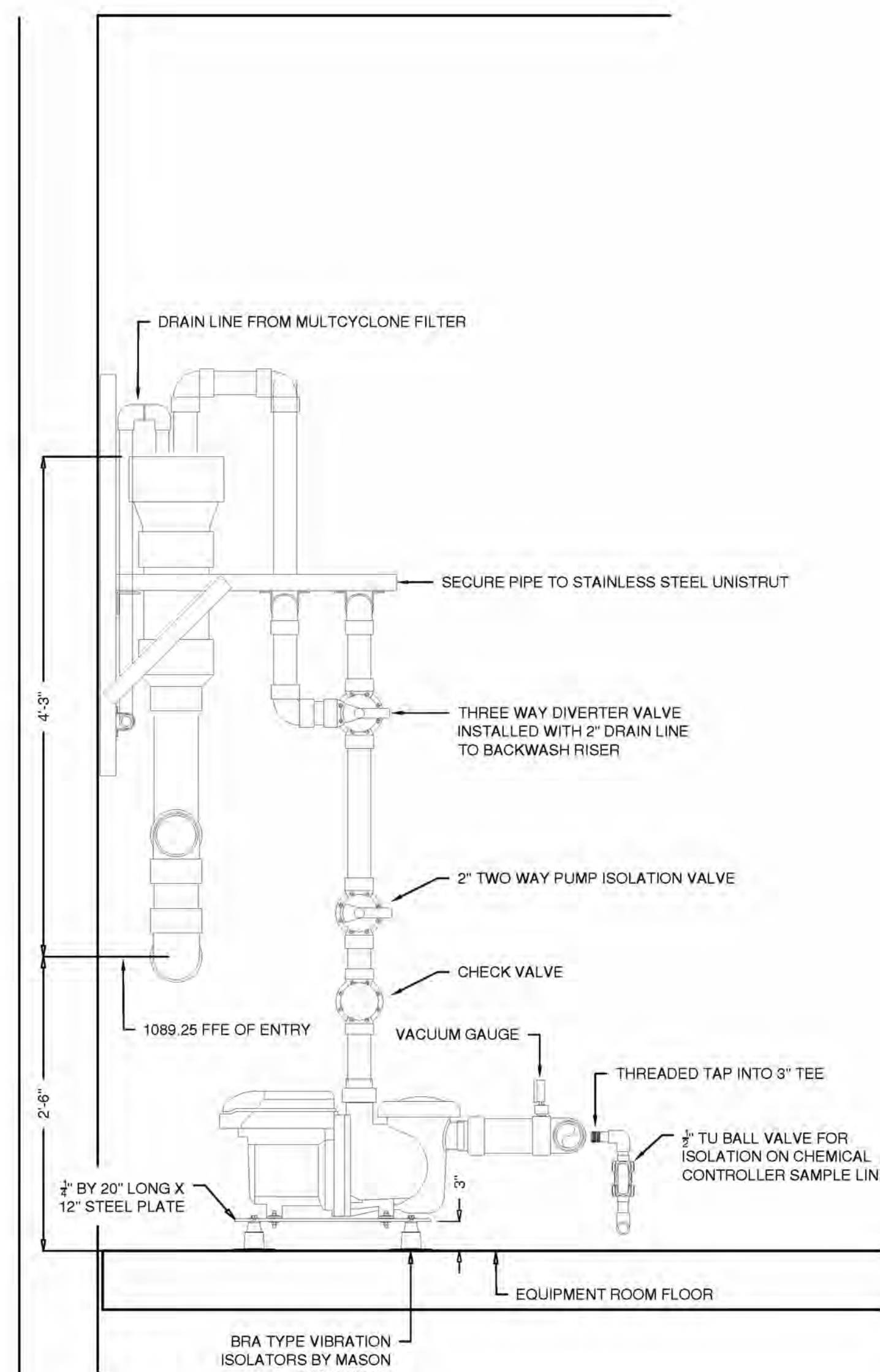
2 SANITATION CONTROL SYSTEM (SCHEMATIC)
Scale: NTS



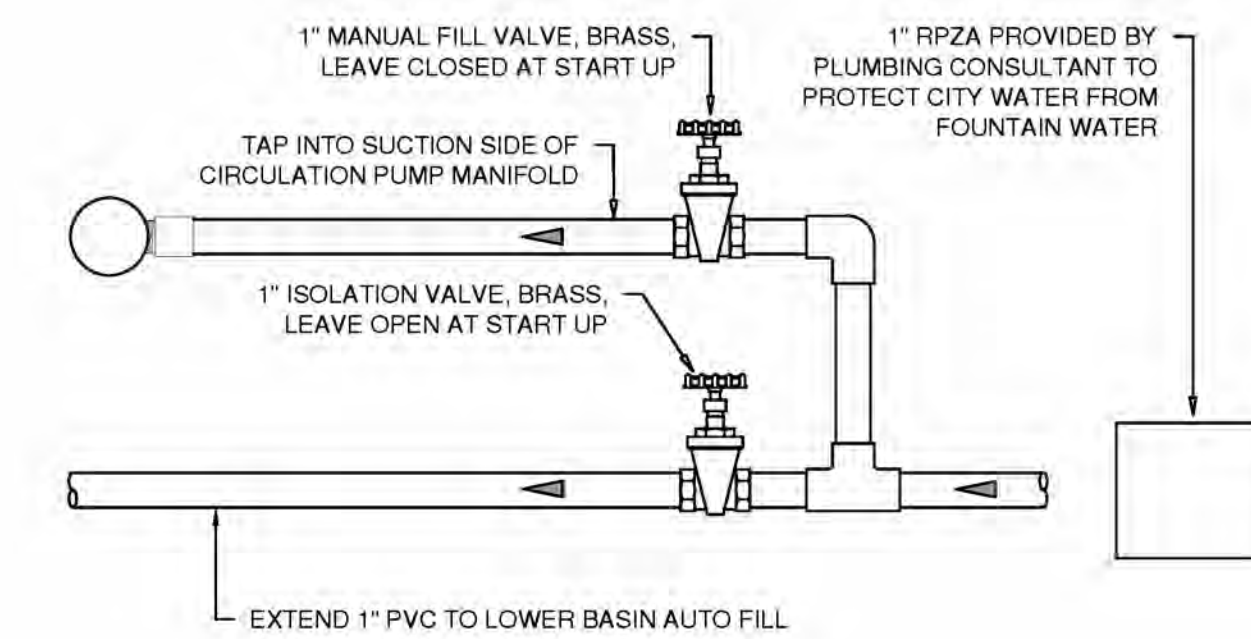
3 CHLORINE & pH SYSTEM (SCHEMATIC)
Scale: 3/4" = 1'



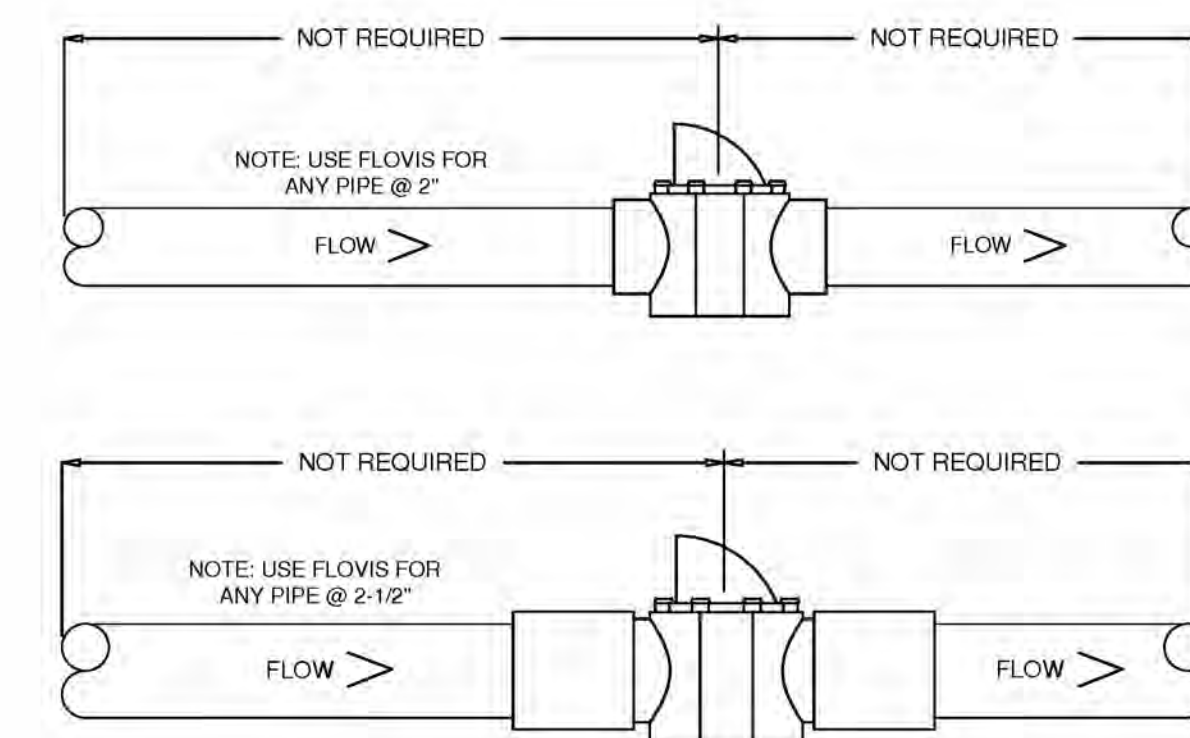
7 PUMP P-3 TO P-6 (ELEVATION)
Scale: 1" = 1 FT. (SEE PLAN VIEW FOR DIFFERENT CONNECTION ORIANATIONS)



8 BACKWASH RISER & PUMP P-1 (ELEVATION)
Scale: 1" = 1 FT.

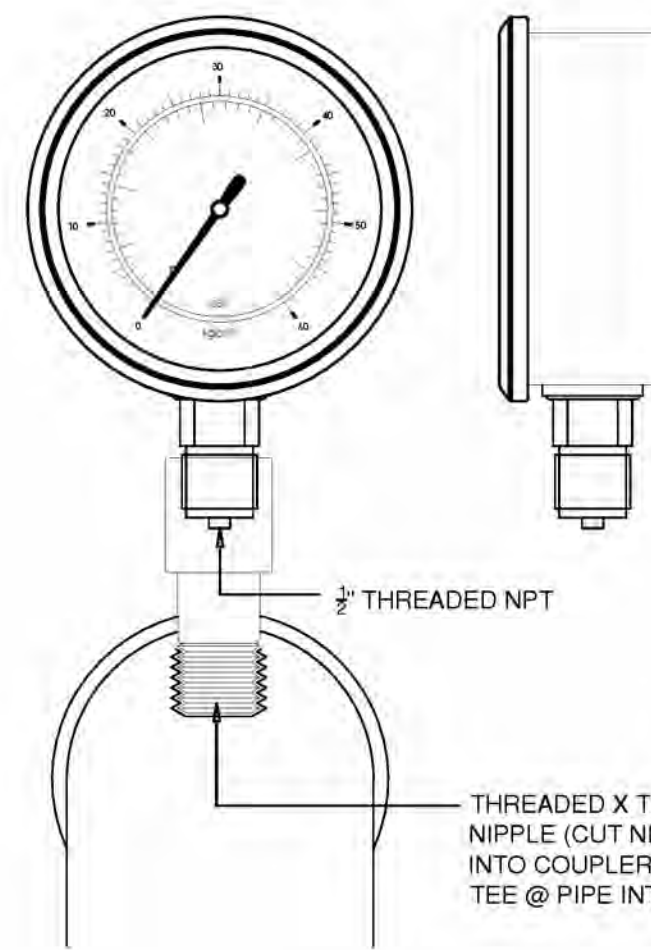


6 AUTOFILL MANIFOLD
Scale: NTS



9 FLOW METERS (PLACEMENTS)
Scale: 3/4" = 1'

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0		RP	5/27/2024	ISSUED FOR BID

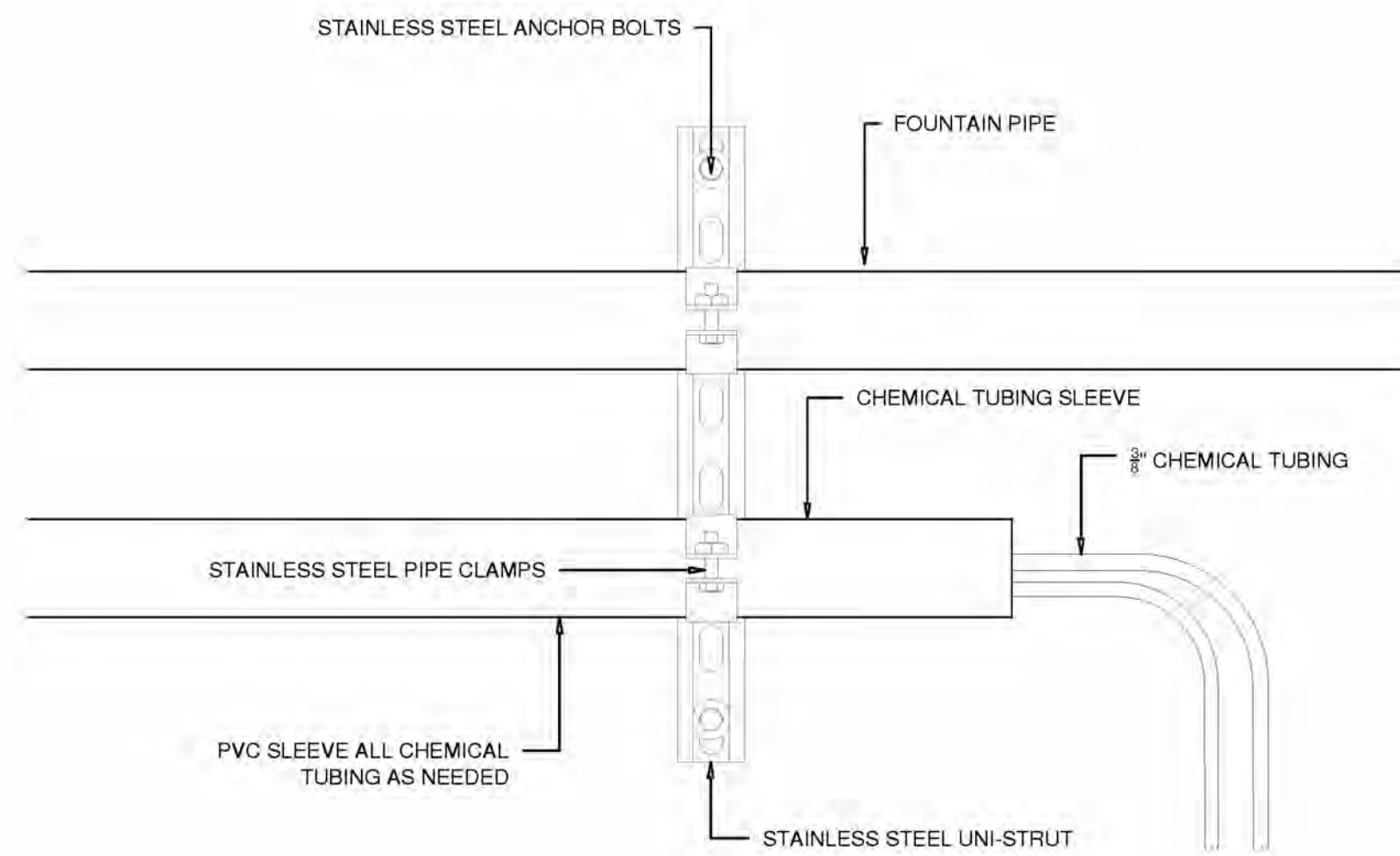


GENERAL SPECIFICATIONS

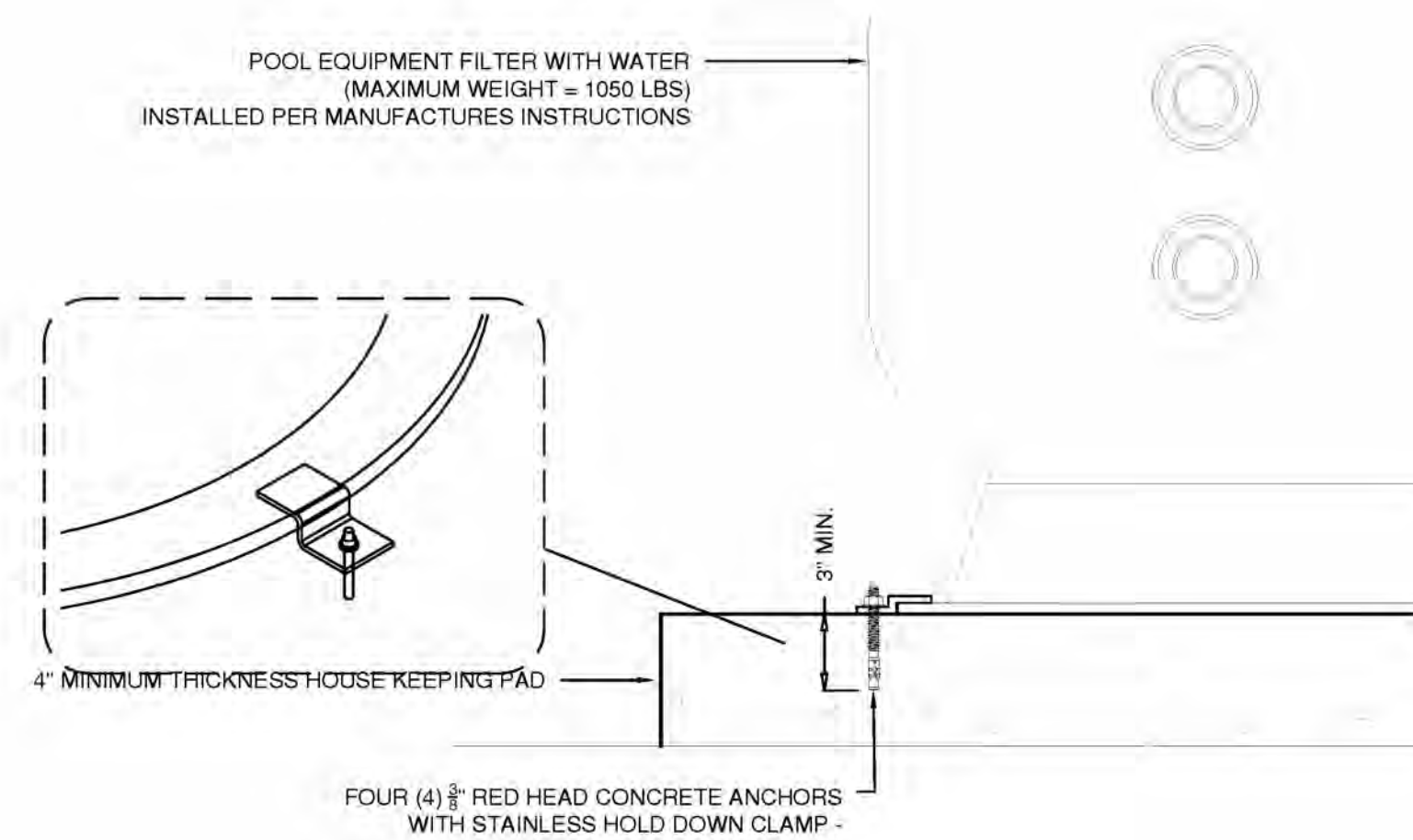
CASE: 300 SERIES STAINLESS STEEL
 RING: 300 SERIES STAINLESS STEEL, BAYONET TYPE WITH GASKET.
 LENS: POLYCARBONATE
 DIAL: ALUMINUM, WHITE FINISHED WITH BLACK MARKINGS
 POINTER: ALUMINUM, BLACK, NON-ADJUSTABLE
 MOVEMENT: STAINLESS STEEL
 TUBE & SOCKET: 316 STAINLESS STEEL
 CONNECTION: 1/4" NPT BOTTOM OUTLET, BACK OUTLET, CONSULT FACTORY.
 ACCURACY: ±1.6% FULL SCALE (EXCEEDS ASME B40.100 GRADE B)
 PROCESS TEMPERATURE: P2598LZ-SS: -40 TO 250°F (-40 TO 120°C), PLF2598LZ-SS: 0 TO 140°F (-18 TO 60°C)
 AMBIENT TEMPERATURE: P2598LZ-SS: -40 TO 140°F (-40 TO 60°C), PLF2598LZ-SS: 0 TO 140°F (-18 TO 60°C)

THREADED X THREADED NIPPLE (CUT NIPPLE TO GLUE INTO COUPLER) TAP ELBOW OR TEE @ PIPE INTERSECTION

1 PRESSURE/VACUUM GAUGES
 Scale: 6" = 1"



4 POOL PIPE MOUNTING (SCHEMATIC)
 Scale: NTS



7 FILTER ANCHOR PAD (SECTION)
 Scale: 1-1/2" = 1 FT.

STURDY CART CONSTRUCTION
 CONSTRUCTED FROM STRONG STRUCTURAL STEEL TUBING AND POWDER COATED FOR PROTECTION, CAPABLE OF LASTING MANY YEARS.

USER-FRIENDLY DESIGN
 LARGE WHEELS MAKE IT EASY TO NAVIGATE STEPS AND UNEVEN TERRAIN SUCH AS GRAVEL AND A BUILT-IN SHELF ENABLES EASY ACCESS TO TEST KITS FOR SERVICE TECHNICIANS.

THE VACUUM HOSE IS EASILY FITTED TO THE QUICK CONNECT HOSE ADAPTORS.

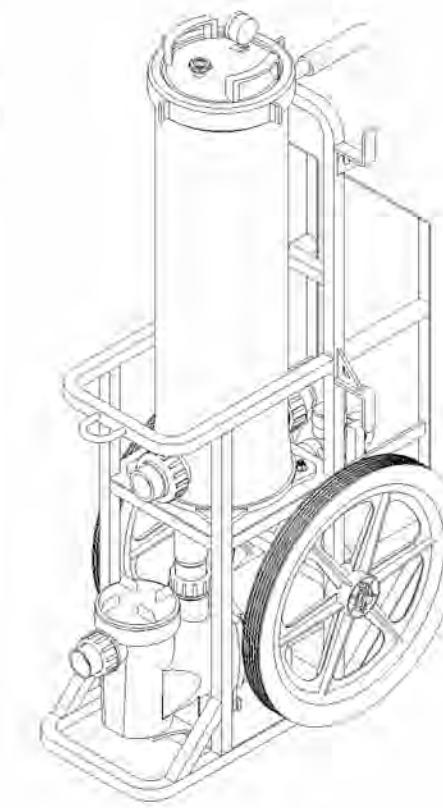
PROTECTIVE FOOT PADS
 PROTECTIVE FOOT PADS, ENSURE YOU DO NOT DAMAGE PAVING.

SELF-PRIMING PUMP
 SUPASTREAM SELF-PRIMING ENERGY EFFICIENT PUMP.

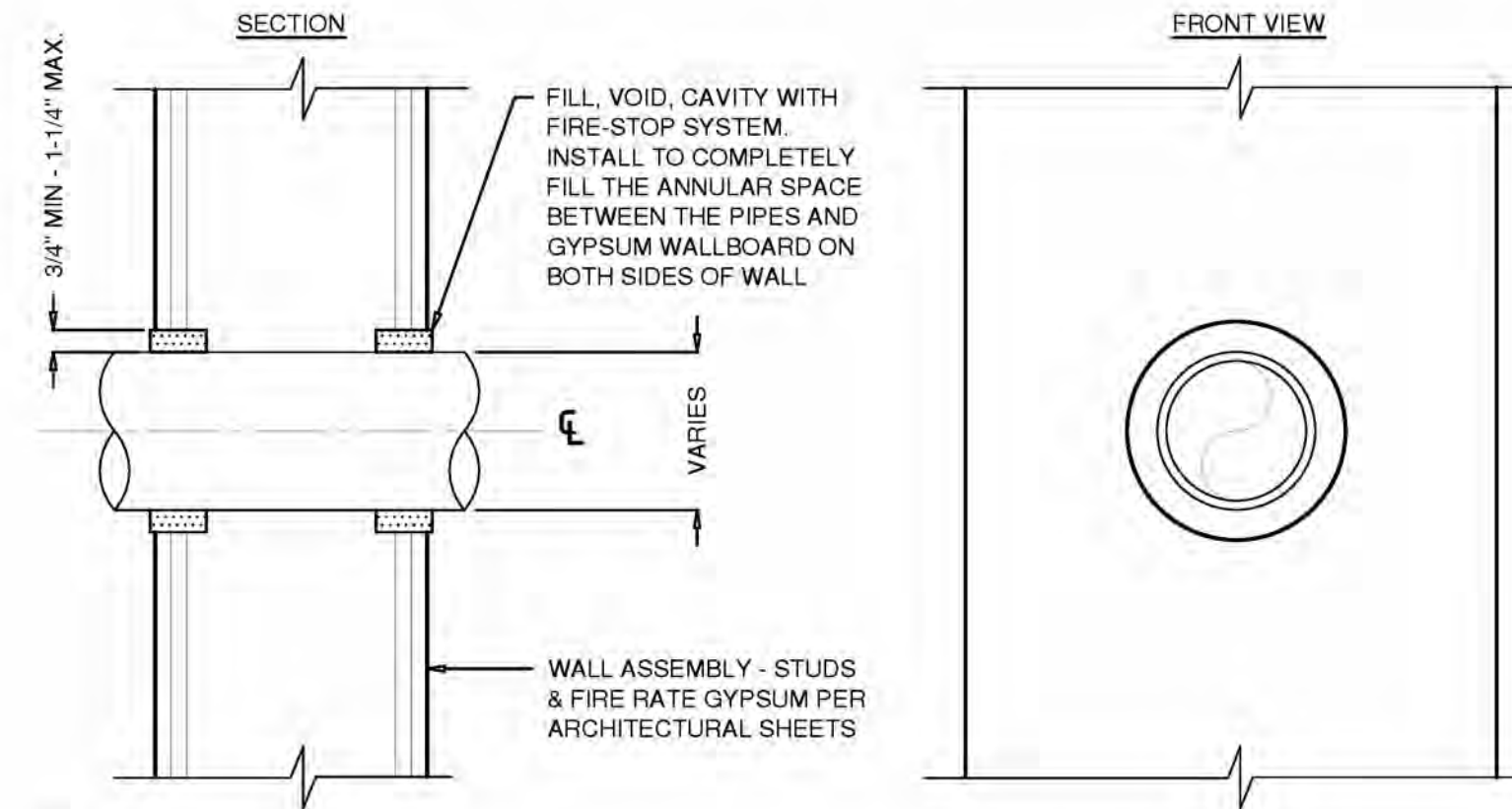
SAFETY PROTECTION
 THE ULTRA VAC COMES STANDARD WITH A 50 FOOT POWER CORD.

PLEATED FILTER CARTRIDGE
 FILTER CARTRIDGE IS CONSTRUCTED FROM HEAVY DUTY POLYESTER FILTER FABRIC WITH DEEP PLEATS FOR LONG SERVICE LIFE.

SIMPLE MAINTENANCE
 THE MULTICYCLONE IS EASILY CLEANED BY OPENING ITS PURGE VALVE. ONLY 15 LITRES OF WATER IS DISCHARGED TO CLEANSE THE MULTICYCLONE.

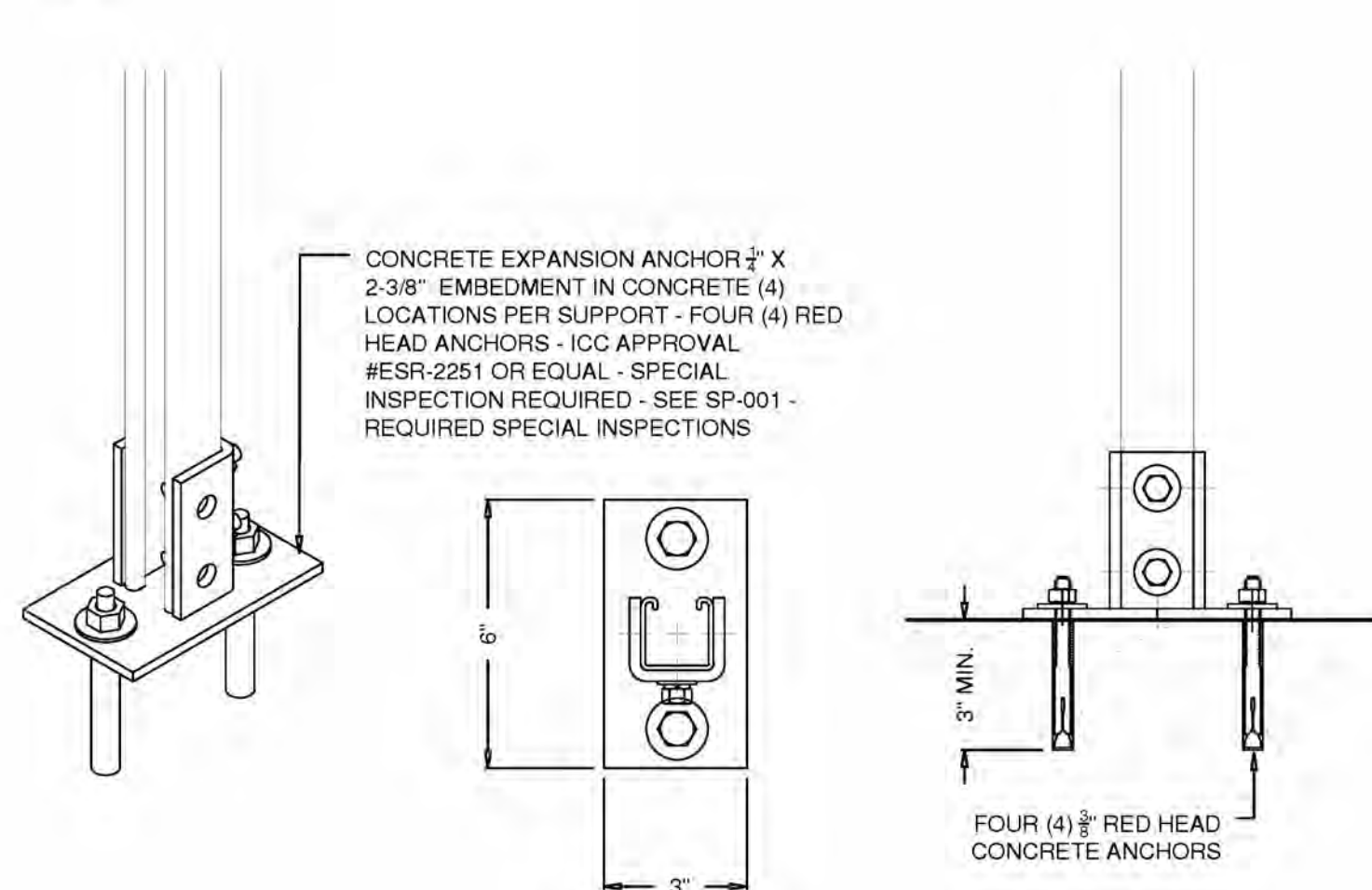


2 PORTABLE VACUUM SYSTEM
 Scale: NTS

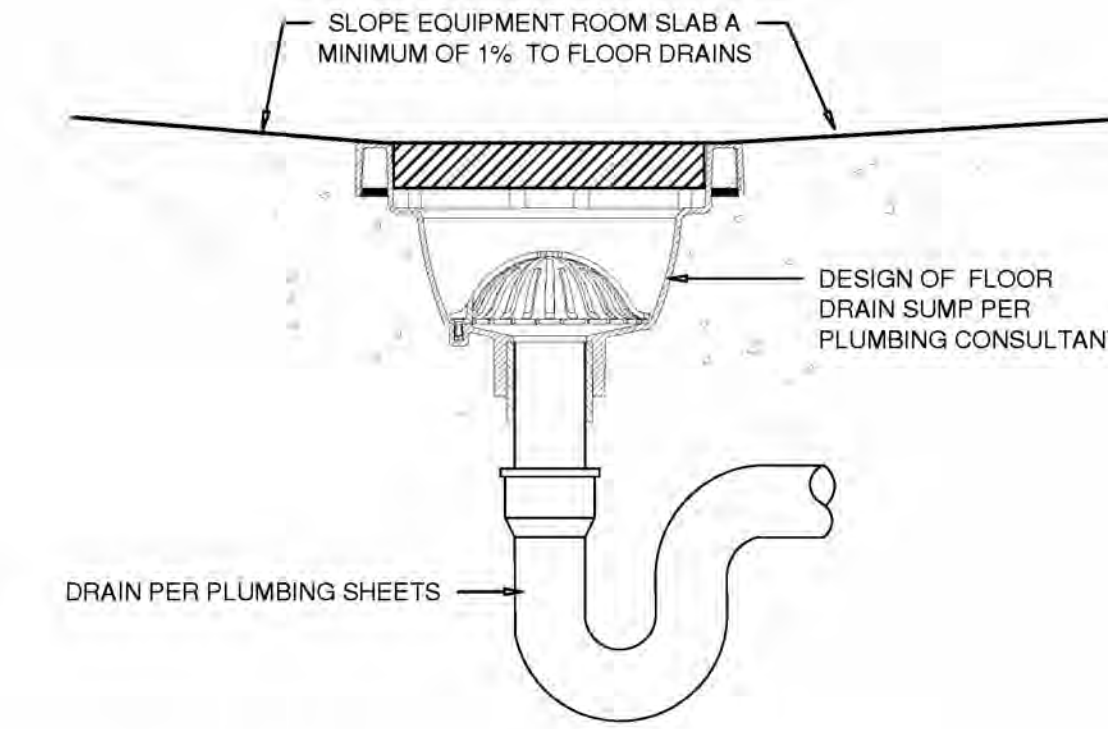


NOTE:
 1. PIPE SHALL BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY.
 2. FILL VOID WITH FIRE-STOP SYSTEM SHALL EQUAL TO HOURLY FIRE RATED WALL ASSEMBLY FOR WHICH IT IS INSTALLED.

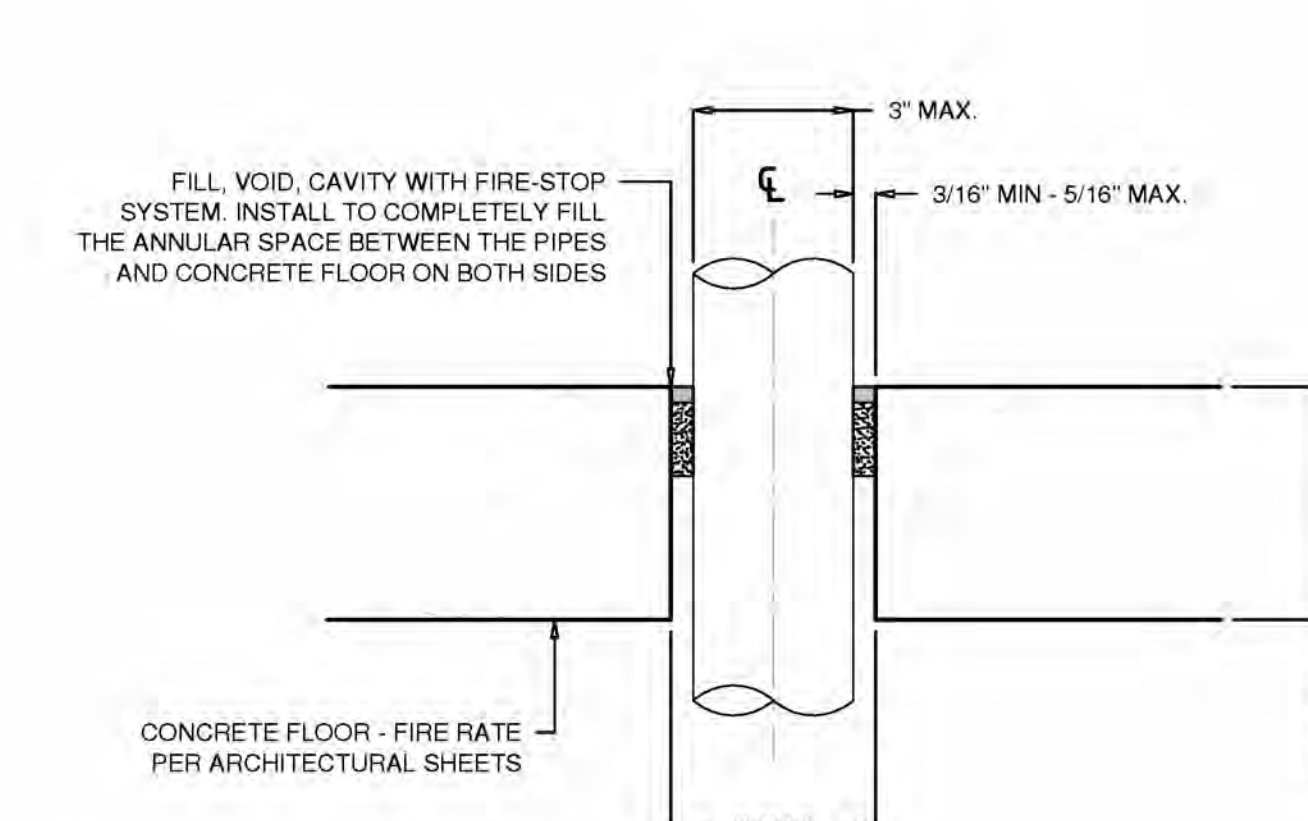
5 PLASTIC PIPE THROUGH RATED WALL
 Scale: NTS



8 EQUIPMENT FLOOR SUPPORT
 Scale: 3" = 1 FT.

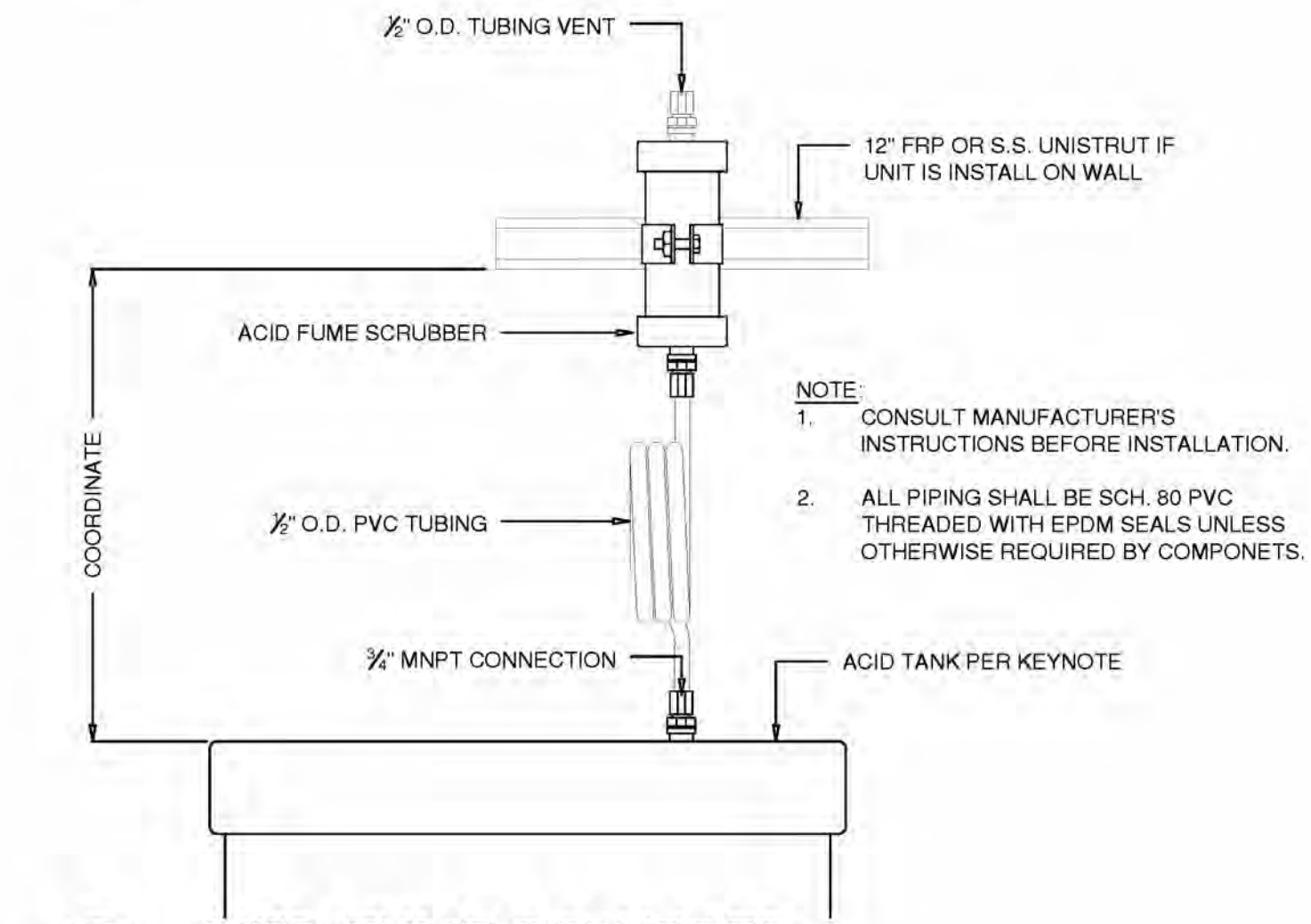


3 FLOOR DRAIN BY OTHERS
 Scale: NTS



NOTE:
 1. PIPE SHALL BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY.
 2. FILL VOID WITH FIRE-STOP SYSTEM SHALL EQUAL TO HOURLY FIRE RATED WALL ASSEMBLY FOR WHICH IT IS INSTALLED.

6 PLASTIC PIPE THROUGH CONCRETE FLOOR
 Scale: NTS

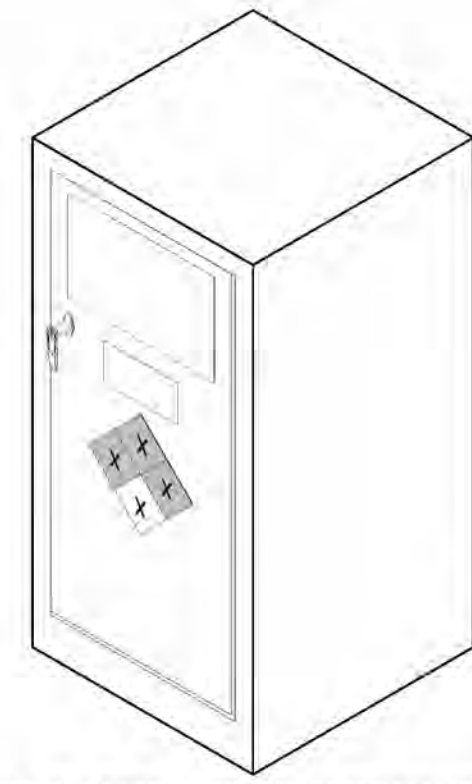


9 ACID FUME SCRUBBER
 Scale: NTS



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0			RP	5/27/2024		

CHEMICAL NOTES:
 CLOSE CONTAINERS PROPERLY;
 COVER OPENED OR DAMAGED PACKAGING;
 STORE CHEMICALS AWAY FROM DOORS AND WINDOWS. ENSURE THAT THERE ARE NO ROOF LEAKS, OPEN OR BROKEN WINDOWS, OR LEAKS FROM WATER PIPES, HOSES, OR THE SPRINKLER SYSTEM;
 ENSURE THAT FLOORS ARE SLOPED TO KEEP WATER DRAINED AWAY;
 STORE CHEMICALS ON SHELVES OR PALLETS TO KEEP CONTAINERS OFF THE FLOOR;
 USE WATERPROOF COVERS ON PACKAGING;
 EXERCISE PARTICULAR CAUTION TO PREVENT WATER CONTACT WITH STORED CHEMICALS ANY TIME WATER IS USED FOR CLEANUP OF FLOOR AREAS NEAR STORED PACKAGES; AND ENSURE THAT WATER WILL NOT BACK UP FROM FAULTY OR CLOGGED FLOOR DRAINS;
 WARNING: WEAR RUBBER GLOVES AND SAFETY GLASSES WHEN CLEANING FILTER SYSTEM;
 SEPARATE INCOMPATIBLE SUBSTANCES; AVOID STORING CONTAINERS OF LIQUIDS ABOVE CONTAINERS OF OTHER INCOMPATIBLE SUBSTANCES;
 DO NOT MIX OLD CHEMICALS WITH FRESH CHEMICAL, EVEN IF THEY ARE THE SAME TYPE;
 CONSIDER SEPARATE, DESIGNATED TOOLS FOR EACH CHEMICAL. HANDLE ONLY ONE CHEMICAL AT A TIME, AND MAKE SURE THAT TOOLS USED WITH ONE SUBSTANCE ARE NOT USED WITH ANOTHER UNLESS ALL RESIDUES ARE REMOVED;
 USE SEPARATE, DESIGNATED CONTAINERS FOR CLEANUP OF SPILLED MATERIALS TO AVOID INADVERTENT MIXING OF SPILLED SUBSTANCES. CONSULT YOUR LOCAL HAZARDOUS WASTE DISPOSAL FACILITY FOR MORE DETAILED INFORMATION ON PROPER WASTE DISPOSAL;
 MAKE CHEMICAL STORAGE AREA HOUSEKEEPING A PRIORITY. DON'T ALLOW BAGS, TRASH, DEBRIS, OR OTHER MATERIALS TO CLUTTER HAZARDOUS MATERIAL STORAGE AREA;
 KEEP COMBUSTIBLE AND FLAMMABLE SUBSTANCES AWAY.



CHEMICAL CABINETS SHELL MEET THE FOLLOWING:
 NFPA REQUIREMENTS
 OSHA REQUIREMENTS
 FM APPROVED
 LOCKABLE
 CORROSION RESISTANT
 225LBS. AT FULL CAPACITY

1 CHEMICAL STORAGE CABINET

Scale: NTS

CHEMICALS									
COMMON NAME	CHEMICAL NAME	% COMP.	CAS #	FORM	QUANT. STORED	OPEN/CLOSED SYSTEM	STORAGE	HAZ. CLASS	SIGNS
SODIUM HYPOCHLORITE	SODIUM HYPOCHLORITE	12.5%	7681-52-9	SOLID	0 GAL.	20 GAL.	CHEM. ROOM	IRRITANT	MSDS
MURIATIC ACID	HYDROCHLORIC ACID	25%	7647-01-0	LIQUID	0 GAL.	20 GAL.	CHEM. ROOM	CORROSIVE	MSDS

NOTE: QUANTITIES OF CHEMICALS DO NOT EXCEED THE QUANTITIES LISTED IN IBC TABLES 307.1 (1) & 307.1 (2)

RATING EXPLANATION GUIDE			
RATING	HEALTH HAZARD	FLAMMABILITY HAZARD	REACTIVITY HAZARD
4	CAN BE LETHAL	EXTREMELY IGNITIVES 73° F. BELOW 100° F	MAY EXPLODE AT NORMAL TEMPERATURES & PRESSURES
3	CAN CAUSE SERIOUS OR PERMANENT INJURY	IGNITES AT ABOVE 73° F. BELOW 100° F	MAY EXPLODE AT HIGH TEMPERATURES OR SHOCK
2	CAN CAUSE TEMPORARY INCAPACITATION OR RESIDUAL INJURY	IGNITES AT ABOVE 100° F. BELOW 200° F	VIOLENT CHEMICAL CHANGE AT HIGH TEMPERATURES OR PRESSURES
1	CAN CAUSE SIGNIFICANT IRRITATION	IGNITES AT ABOVE 200° F	NORMALLY STABLE, HIGH TEMPERATURES MAKE UNSTABLE
0	NO HAZARD	WILL NOT BURN	STABLE

NOTE:

- CONFORM SIGNAGE WITH LOCAL FIRE MARSHALL AND/OR BUILDING CODES PRIOR TO INSTALLATION. SIGNS SHALL CONFORM TO NFPA 704.
- SIGNS SHALL BE SIZED AND COLORED PER CODE & MOUNTED @ 60" ABOVE DOOR IN CHEMICAL ROOM.

3 CHEMICALS LABELS & SAFETY EQUIPMENT

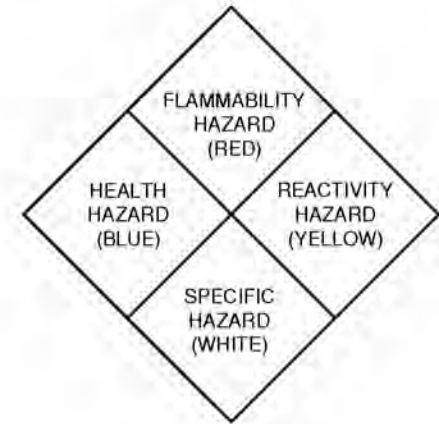
Scale: NTS

CHEMICAL ROOM SIGNS & SAFETY EQUIPMENT

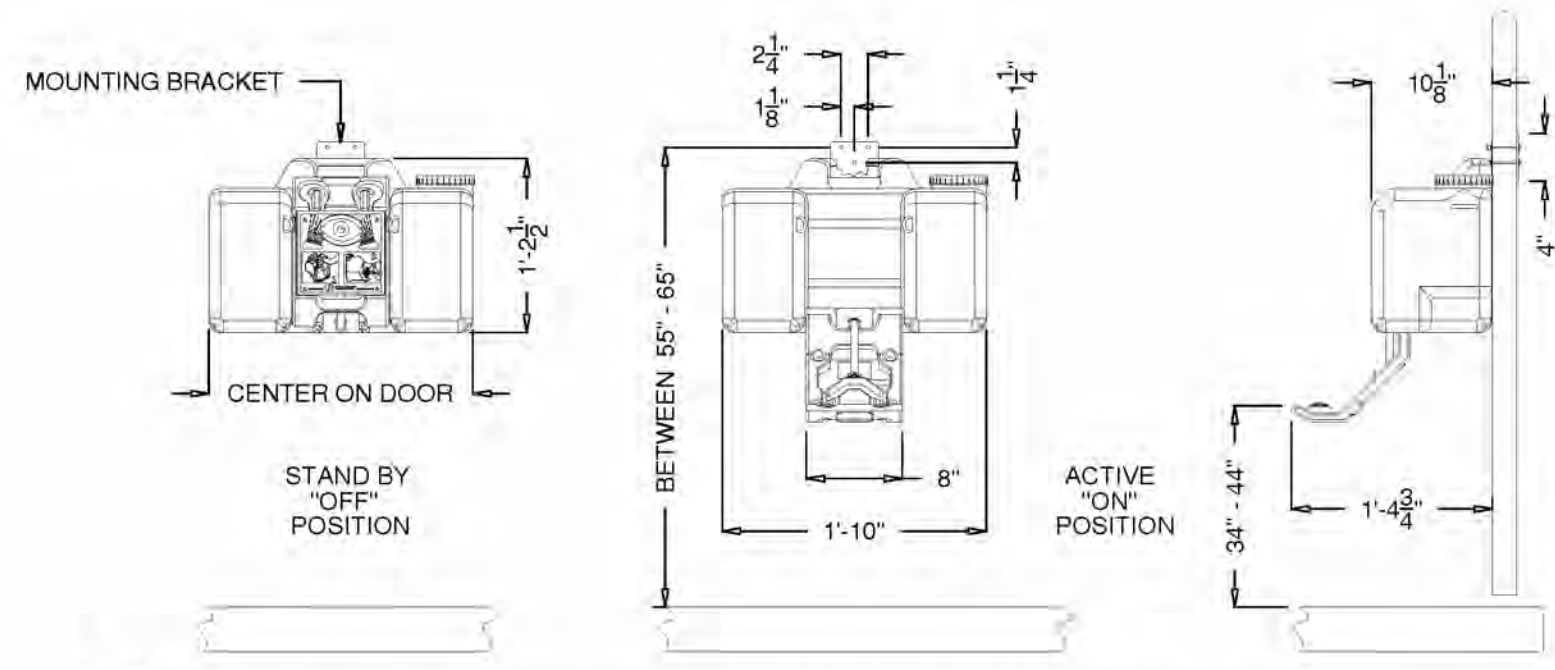
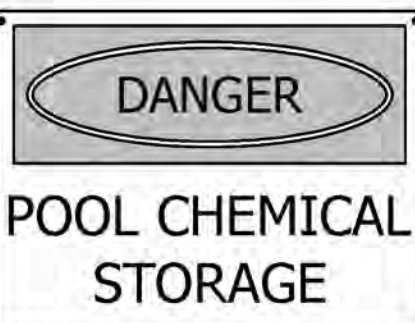
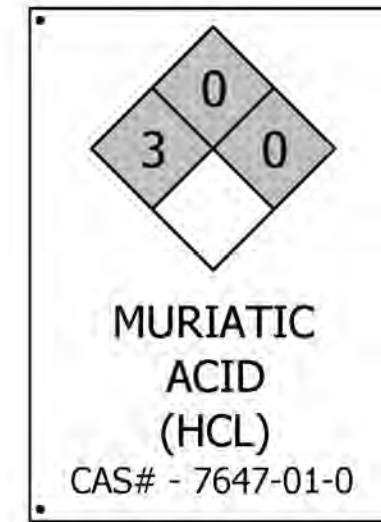
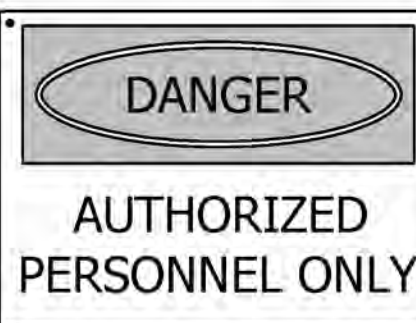
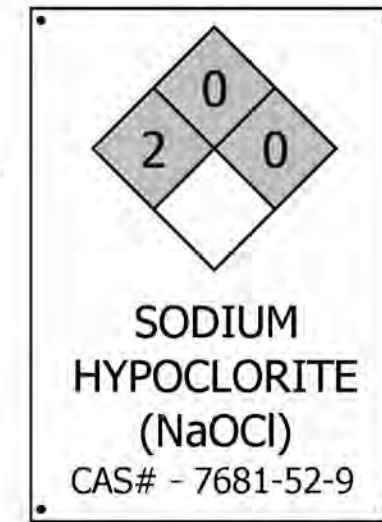
POOL CHEMICAL SIGNS; PRODUCT OF COMPLIANCY SIGNS:
 - DANGER - AUTHORIZED PERSONNEL ONLY - #CUSTOM
 - DANGER - HAZARDOUS POOL CHEMICALS - #ODE-7756
 - 704 SIGN - SODIUM HYPOCHLORITE (NaOCl) W/ CAS# - 7681-52-9
 - 704 SIGN - MURIATIC ACID ONLY (HCL) W/ CAS# - 7647-01-0

SAFETY EQUIPMENT

- RESPIRATOR MASK, U-LINE, 3M HALF-FACE MASK - #H-1081
 - SAFETY GLASSES, OTG, CLEAR - #S-17940
 - NEOPRENE CHEMICAL RESISTANT APRON, U-LINE - #S-18815
 - NEOPRENE CHEMICAL RESISTANT GLOVES, U-LINE - #S-11434



CHEMICAL DIAMOND LEGEND



NOTES:

- TO COMPLY WITH ANSI Z358.1-2009 FOR EMERGENCY EYEWASH OR EYE/FACE WASH AND SHOWER EQUIPMENT:
 - UNIT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - EYEWASH WASH SHALL BE POSITIONED WITH NOZZLES NOT LESS THAN (33 IN.) AND NO GREATER THAN (45 IN.) FROM SURFACE ON WHICH USER STANDS AND (6 IN.) MINIMUM FROM WALL OR NEAREST OBSTRUCTION.
- UNIT MUST BE LEVEL FROM FRONT TO BACK AND SIDE TO SIDE. ALL THREE MOUNTING HOLE MOUNTING-BRACKET MUST BE USED TO PROPERLY SECURE EYEWASH UNIT TO BACK OF DOOR.
- USE 8 GAUGE STAINLESS (4"x8" SHEET) ON OUTSIDE OF DOOR AND S.S. THROUGH BOLT UNIT TO DOOR. -DOOR HAS BEEN COORDINATED WITH ARCHITECT TO HOLD THE WEIGHT OF UNIT. DO NOT OVER FILL UNIT.

2 PORTABLE EYEWASH

Scale: 3/4" = 1 FT.



WATER FEATURE DETAILS

CITY OF TUCKER
 TUCKER TOWN GREEN PARK
 4238 RAILROAD AVENUE, TUCKER, GEORGIA 30084

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WF-5.4

PROJ. NO. : 3808805

