

Boykin Road Park

Boykin Road Park - Park Improvements
2345 Boykin Road, Augusta, GA 30906

Construction Documents - Permit / Bid Set

January 30, 2026 (Permit / Bid Set)

Approval by Augusta, Georgia is for the improvements shown in the Site Plan. Any variation from the approved Site Plan must be approved by the City.

This property is located in ZONE X per FEMA NFIP Flood Insurance Rate Map 130158, panel 0205, effective 11/15/2019.



SITE VICINITY MAP
SCALE: Not to Scale

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Storm Water Quality IMP List					
		Area Draining to Each IMP			Storage Volume Provided by IMP (cf)
		On-site Pervious Area (acres)	On-site Impervious Area (acres)	Offsite Area (acres)	
IMP 1	Permeable Paver/Pervious Concrete/Porous Asphalt (w/o underdrain)	0.42	0.03		204.68
IMP 2	Bioretention Basin (w/ upturned underdrain)	0.04	0.01		66.25
IMP 3	Bioretention Basin (w/ upturned underdrain)	0.09	0.02		66.88
IMP 4	Bioretention Basin (w/ upturned underdrain)	0.03	0.01		97.50
IMP 5	Bioretention Basin (w/ upturned underdrain)	0.10	0.18		161.25
IMP 6	Bioretention Basin (w/ upturned underdrain)	0.43	0.64		3,748.50
IMP 7	Bioretention Basin (w/ upturned underdrain)	0.06			425.00
IMP 8	Bioretention Basin (w/ upturned underdrain)	0.25	0.01		106.25

*See Boykin Road Park Improvements Hydrology Report dated January 28, 2026 for map and location of IMPs listed.

24 HR LOCAL EMERGENCY CONTACT

ANTHONY E. (TONY) WILLIAMS SR.
INFRASTRUCTURE SYSTEMS MANAGEMENT
PHONE: (706)–877–1884
EMAIL: AEWILLIAMS@SMILLC-ENGR.COM

(CONTRACTOR'S NAME) (PHONE NUMBER)

NOTE: CONTRACTOR TO PROVIDE UPDATED INFORMATION ONCE CONTRACT IS AWARDED.

OWNER: AUGUST PARKS AND RECREATION DEPARTMENT
NAME: ALPHONZA C. WILLIAMS
ADDRESS: 2027 LUMPKIN ROAD AUGUSTA, GA, 30906
PHONE: (706)796-4084

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

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Augusta
GEORGIA

Sustainable Design
Consultants, LLC



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER OR REVISION ANY PART OF A PROFESSIONAL SEAL OF A LICENSED PROFESSIONAL AS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE WORKING DATES BY FOLLOWING BY THEIR SIGNATURE, THE DATE OF EACH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

COVER SHEET

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale:

Drawing No.:

G-001

Sheet 1 of 42

File: V:\PROJECTS\WY093489_00009_DESIGN\DRAWINGS\02_SHEETS\Notes.DWG
Sheet: 12 of 22 Date: 12/01/2023 1:04:12 PM
User: [redacted] Title: [redacted]

RIGHT OF WAY ENCROACHMENT GUIDELINES

DEVELOPMENT DOCUMENT #15
AUGUSTA-RICHMOND COUNTY, GEORGIA
JUNE 1999
RIGHTS OF WAY ENCROACHMENT GUIDELINES

I. TITLE
THIS ARTICLE WILL BE KNOWN AS THE "AUGUSTA, GEORGIA RIGHTS OF WAY ENCROACHMENT GUIDELINES." THIS ARTICLE IS A SUPPORT DOCUMENT TO TITLE 7-CHAPTER 3-ARTICLE 3 "EXCAVATIONS" AND ARTICLE 4 "USE OF COUNTY RIGHTS OF WAY".

II. DEFINITIONS
A. ACTIVE PROJECT - A UTILITY ACTIVITY THAT HAS BEEN PERMITTED THAT IS WITHIN THE TIME PERIOD FROM THE "BEGINNINGS OF WORK" UNTIL THE EXPIRATION OF THE 18-MONTH "WARRANTY PERIOD".
B. APPLICANT - THE INDIVIDUAL OR THE AGENCY HE REPRESENTS THAT HAS COMPLETED AND SIGNED THE APPLICATION AND PERMIT FOR UTILITY FACILITY ENCROACHMENT FORM.
C. APPLICATION AND PERMIT FOR UTILITY FACILITY ENCROACHMENT - A FORM PROVIDED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING THAT IS TO BE FILLED OUT BY THE APPLICANT. UPON SUCH TIME THAT THE APPLICATION IS SIGNED BY THE CITY ENGINEER THE APPLICATION SHALL BE RETURNED TO THE APPLICANT TO SERVE AS THE PERMIT.
D. BEGINNINGS OF WORK - THE INITIAL ACTIVITY AS DETERMINED BY THE CITY ENGINEER.
E. CITY ENGINEER - THE CITY ENGINEER SHALL INCLUDE THE CITY ENGINEER OR ONE OF HIS DESIGNATED REPRESENTATIVES WHICH INCLUDES, BUT IS NOT LIMITED TO, THE UTILITY INSPECTOR.
F. PERMIT - THE APPROVED APPLICATION FORM THAT IS SIGNED BY THE CITY ENGINEER.
G. UTILITY COMPANY - ANY ENTITY INSTALLING A UTILITY FACILITY. THIS SHALL INCLUDE ALL SUBCONTRACTORS PERFORMING WORK FOR THE UTILITY COMPANY.
H. UTILITY ACTIVITY - ANY ACTIVITY CONDUCTED ON A SITE THAT IS IN CONJUNCTION WITH AN APPROVED PERMIT. THIS CAN INCLUDE UTILITY LOCATING, TRAFFIC CONTROL, EROSION CONTROL, ETC.
I. WORKING DAY - THIS SHALL INCLUDE ANY DAY, MONDAY THROUGH FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS, FROM 8:30 A.M. TO 5:00 P.M.
III. EXCEPTIONS
THIS ARTICLE SHALL APPLY TO ANY ENCROACHMENT WITHIN CITY RIGHT OF WAY UNDERTAKEN BY ANY PERSON EXCEPT FOR THE FOLLOWING:
A. PROJECTS OPERATING IN ACCORDANCE WITH THE "AUGUSTA, GEORGIA RIGHTS OF WAY ENCROACHMENT GUIDELINES" AND AN APPROVED GRADING PERMIT.
B. SHORT SIDE TAPS WITH AN APPROVED SUBDIVISION DEVELOPMENT.
C. INDIVIDUAL RESIDENTIAL TAPS THAT DO NOT REQUIRE CROSSING OR ENCROACHING THE ROADWAY. MULTIPLE RESIDENTIAL TAPS ON THE SAME STREET WILL REQUIRE A PERMIT.
D. INDIVIDUAL AERIAL SERVICE TAPS.
IV. REQUIREMENTS
NO ENCROACHMENT OR EXCAVATION SHALL BEGIN WITHIN ANY PUBLIC RIGHTS OF WAY (STREET, ROAD, ALLEY, LAKE OR OTHER PUBLIC THOROUGHFARE) OF AUGUSTA, GEORGIA UNTIL THE FOLLOWING REQUIREMENTS HAVE BEEN MET:
A. FINANCIAL SECURITY PROOF - THE APPLICANT MUST PROVIDE PROOF OF FINANCIAL SECURITY IN THE AMOUNT OF THREE THOUSAND DOLLARS (\$3,000) FOR ONE (1) TO THREE (3) ACTIVE PROJECTS, FIVE THOUSAND DOLLARS (\$5,000) FOR FOUR (4) TO FIVE (5) ACTIVE PROJECTS, AND TEN THOUSAND DOLLARS (\$10,000) FOR SIX (6) OR MORE ACTIVE PROJECTS AS APPROVED BY THE CITY ENGINEER. AN "ACTIVE PROJECT" IS DEFINED AS ONE THAT IS WITHIN THE TIME PERIOD FROM THE BEGINNINGS OF WORK UNTIL THE EXPIRATION OF THE 18-MONTH WARRANTY PERIOD. THE "BEGINNINGS OF WORK" IS DEFINED AS THE INITIAL ACTIVITY ON THE SITE AS APPROVED BY THE CITY ENGINEER. THE 18-MONTH WARRANTY PERIOD BEGINS AFTER FINAL ACCEPTANCE OF THE PERMITTED WORK. THE FOLLOWING THREE FORMS OF PROOF OF FINANCIAL SECURITY ARE ACCEPTABLE:
1. LETTER OF ESCROW - A LETTER OF ESCROW FROM A CHARTERED STATE OR NATIONAL BANK OR SAVINGS AND LOAN INSTITUTION WHICH CONFIRMS AN ESCROW DEPOSIT OF THREE THOUSAND DOLLARS (\$3,000) FOR ONE (1) TO THREE (3) ACTIVE PROJECTS, FIVE THOUSAND DOLLARS (\$5,000) FOR FOUR (4) TO FIVE (5) ACTIVE PROJECTS, AND TEN THOUSAND DOLLARS (\$10,000) FOR SIX (6) OR MORE ACTIVE PROJECTS AS APPROVED BY THE CITY ENGINEER.
2. LETTER OF CREDIT - A LETTER OF CREDIT FROM A CHARTERED STATE OR NATIONAL BANK OR SAVINGS AND LOAN INSTITUTION WHICH DESIGNATES THE CITY OF AUGUSTA, GEORGIA AS THE OBLIGEE.
3. BOND - A BOND FROM AN AUTHORIZED BONDING AGENCY WHICH DESIGNATES THE CITY OF AUGUSTA, GEORGIA AS THE OBLIGEE. THE BOND SHALL HAVE A CONTINUOUS BEGINNING DATE, AND ONLY THE CITY ENGINEER CAN RELEASE THE BOND.
B. SUBMITTAL PACKAGE APPROVAL
1. APPLICATION AND PERMIT FOR UTILITY FACILITY ENCROACHMENT - THIS FORM IS PROVIDED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AND SHALL BE COMPLETED BY THE APPLICANT. THE FORM SHALL BE RETURNED TO THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING FOR REVIEW. THE APPLICATION IS NOT VALID UNTIL SIGNED BY THE CITY ENGINEER AT WHICH TIME THE APPLICATION FORM WILL SERVE AS THE PERMIT.
2. PLANS - TWO SETS OF PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER PROVIDING THE DETAILS REGARDING THE PROPOSED UTILITY INSTALLATION AND/OR REPAIR. THE PLANS SHALL SHOW THE TYPE, LOCATION, DEPTH, ETC., OF THE PROPOSED ACTIVITIES, AND THE PLANS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE LOCATION OF EXISTING UTILITIES, REFERENCES IN RELATION TO EXISTING EDEGS OF PAYMENT AND/OR BACKS OF CURBS, DIMENSIONS, RIGHTS OF WAY, ETC. THE PLANS SHALL SHOW ANY PROPOSED EXISTING TRAFFIC CONTROL DEVICES THAT WILL BE REQUIRED TO MAINTAIN TRAFFIC CONTROL DURING THE PROJECT. THE PLANS SHALL ALSO SHOW THE LOCATION OF ANY EXISTING TRAFFIC CONTROL DEVICES THAT WILL BE REQUIRED TO MAINTAIN TRAFFIC CONTROL DURING THE PROJECT. APPROVAL OF THE APPLICATION DOES NOT GRANT APPROVAL OF THE PROPOSED TRAFFIC FLOW ALTERATION. THAT APPROVAL PROCESS IS DISCUSSED IN "SECTION IV.A. REQUEST FOR TRAFFIC FLOW ALTERATION" OF THIS ARTICLE.
3. VERIFICATION OF FINANCIAL SECURITIES - VERIFICATION IN AN ADEQUATE AMOUNT BASED ON THE NUMBER OF ACTIVE PROJECTS PER SECTION A - "FINANCIAL SECURITY PROOF" SHALL BE PROVIDED WITH EACH APPLICATION. IF THIS IS AN INITIAL SUBMISSION FOR AN ENCROACHMENT, THE PERSON SIGNING THE SECURITY AND THE UTILITY APPLICATION SHALL BE THE SAME.
C. PERMIT VALIDATION - THE PERMIT SHALL BE ON SITE AT ALL TIMES IN A WEATHER PROTECTED LEGIBLE STATE. FAILURE TO PRODUCE THE PERMIT SHALL BE CAUSE FOR AN IMMEDIATE STOP WORK ORDER. ALL RELATED SPECIAL REQUIREMENTS AS OUTLINED ON THE BACK OF THE PERMIT SHALL BE FOLLOWED AT ALL TIMES. ALL PERMITTED WORK SHALL BEGIN WITHIN TWELVE (12) HOURS PRIOR TO THE BEGINNINGS OF WORK. FOLLOWING THE SUBMITTAL PACKAGE AS DESCRIBED HEREIN, THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING SHALL HAVE A PERIOD OF THIRTY (30) DAYS TO TAKE ACTION TO APPROVE, TO APPROVE WITH CONDITIONS, OR TO DISAPPROVE THE PACKAGE. THE APPLICANT MAY AGREE IN WRITING TO WAIVE THE THIRTY- (30) DAY TAKE ACTION PERIOD IF THE RESULTS OF THE ACTION WOULD RESULT IN DISAPPROVAL.
V. NOTIFICATION
A. REQUEST FOR TRAFFIC FLOW ALTERATION
DETOURS AND ROAD CLOSURES - A DETOUR SHALL BE SUBMITTED, IN WRITING, TO THE CITY ENGINEER. UPON THE DETERMINATION BY THE CITY ENGINEER THAT A DETOUR IS REQUIRED AND NO VIABLE ALTERNATIVE IS AVAILABLE, A DETAILED TRAFFIC CONTROL/DETOUR PLAN SHALL BE RECEIVED BY THE CITY ENGINEER TWO (2) WEEKS PRIOR TO THE EXPECTED DATE THE DETOUR IS TO BEGIN. WRITTEN APPROVAL BY THE CITY ENGINEER WILL BE REQUIRED PRIOR TO IMPLEMENTING ANY DETOUR. AFTER APPROVAL, PUBLIC NOTIFICATION IN THE FORM OF PRESS RELEASES REGARDING THE DETOUR WILL BE HANDLED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING.
B. LANE CLOSURES - APPROVAL SHALL BE OBTAINED FROM THE CITY ENGINEER. LANE CLOSURE REQUESTS SHALL BE RECEIVED BY THE CITY ENGINEER A MINIMUM OF FORTY- EIGHT (48) HOURS IN ADVANCE OF THE EXPECTED DATE AND TIME OF THE LANE CLOSURE. ANY REQUIRED PUBLIC NOTIFICATION IN THE FORM OF PRESS RELEASES WOULD BE DETERMINED AND HANDLED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING. IN EMERGENCY OR ROUTINE MAINTENANCE SITUATIONS REQUIRING SHORT DURATION OF LANE CLOSURES, A NOTIFICATION WILL NOT BE NECESSARY. HOWEVER, WHENEVER PRACTICAL, THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING SHALL HAVE A PERIOD OF THIRTY (30) DAYS TO TAKE ACTION TO APPROVE, TO APPROVE WITH CONDITIONS, OR TO DISAPPROVE THE PACKAGE. THE APPLICANT MAY AGREE IN WRITING TO WAIVE THE THIRTY- (30) DAY TAKE ACTION PERIOD IF THE RESULTS OF THE ACTION WOULD RESULT IN DISAPPROVAL.
C. COMMENCEMENT OF WORK - THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING SHALL BE NOTIFIED AT LEAST TWENTY FOUR (24) HOURS PRIOR TO THE BEGINNINGS OF ANY PERMITTED ACTIVITY. A MINIMUM OF ONE (1) HOUR ADVANCE NOTICE DURING REGULAR WORKING HOURS (8:30 A.M. TO 5 P.M., MONDAY - FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) SHALL BE GIVEN BY THE APPLICANT PRIOR TO BEGINNING ANY BACKFILL OPERATION OR ANY CONCRETE OR ASPHALT PLACEMENT IN ANY CITY ROADWAY OR IN ANY CITY THAT BY IMPROPER BACKFILLING COULD CAUSE A PUBLIC SAFETY HAZARD OR CREATE A MAINTENANCE PROBLEM. ANY BACKFILL ACCOMPLISHED WITHOUT THIS MINIMUM ONE (1) HOUR ADVANCE NOTICE SHALL BE REMOVED IN ITS ENTIRETY. THE APPLICANT MUST OBTAIN PERMISSION FROM THE CITY ENGINEER BEFORE PLACING CONCRETE OR ASPHALT. THIS NOTIFICATION PROCESS DOES NOT PROHIBIT THE APPLICANT FROM BACKFILLING OR PLACING ASPHALT OR CONCRETE ON THE SITE IF THE CITY ENGINEER HAS BEEN PROPERLY NOTIFIED AND IS NOT ON SITE WITHIN ONE HOUR.
D. INTERMITTENT NOTIFICATION REQUIREMENTS - ANY TIME THAT THE PERMITTED WORK IS TO BE SUSPENDED FOR MORE THAN THREE (3) WORKING DAYS, THE APPLICANT SHALL CONTACT THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING FOR APPROVAL OF ONE (1) HOUR ADVANCE NOTICE. THE CITY ENGINEER SHALL CONTACT THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING A MINIMUM OF TWENTY-FOUR (24) HOURS PRIOR TO BEGINNING ANY ROADWAY JACK AND/OR BORE ACTIVITIES. THIS INCLUDES EXCAVATING THE JACK OR BORE PIT.
E. COMPLETION OF WORK - THE APPLICANT SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AS SOON AS PRACTICAL AFTER COMPLETION OF PERMITTED WORK WHICH SHALL BE NO MORE THAN ONE (1) WORKING DAY. THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING SHALL HAVE UP TO THREE (3) WORKING DAYS AFTER NOTIFICATION OF COMPLETION TO INSPECT THE COMPLETED WORK. UPON ACCEPTANCE OF THE PERMITTED WORK, THE 18-MONTH WARRANTY PERIOD WILL COMMENCE.
F. OUTSIDE OF NORMAL WORKING HOURS - THE COST OF INSPECTION BY THE CITY OF AUGUSTA, GEORGIA BEFORE OR AFTER REGULAR WORKING HOURS, ON SATURDAYS, SUNDAYS, OR AUGUSTA, GEORGIA LEGAL HOLIDAYS, SHALL BE PAID FOR BY THE APPLICANT REGARDING THE INSPECTION AT A RATE OF 1 1/2 TIMES THE REGULAR SALARY PER HOUR OF THE INSPECTOR PLUS 7.65% FOR THE EMPLOYER'S FICA/MEDICARE MATCH. APPROVAL FOR THE INSPECTION OUTSIDE OF NORMAL WORKING HOURS SHALL BE OBTAINED FROM THE CITY ENGINEER FORTY-EIGHT (48) HOURS IN ADVANCE. PRIOR TO THE COMMENCEMENT OF WORK REQUIRING INSPECTION OUTSIDE OF NORMAL WORKING HOURS, THE APPLICANT SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, AGREEING TO PAY THE OVERTIME. THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING WILL BILL THE CONTRACTOR FOR PAYMENT.
G. DAMAGE TO PROPERTY OF OTHERS - ANY DAMAGE TO CITY RIGHTS OF WAY, EXISTING UTILITIES, EXISTING STORM DRAINAGE SYSTEMS, PRIVATE PROPERTY, ETC. WHICH OCCURS WHILE WORKING ON AN ACTIVE PROJECT SHALL BE REPORTED TO THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING. THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY SUCH DAMAGE.
H. IMMEDIATELY, THE APPLICANT IS RESPONSIBLE FOR THE REPAIR OF ANY SUCH DAMAGE.
VI. CONSTRUCTION - WHEN ANY PROVISIONS OF THIS ARTICLE DO NOT MEET THE MINIMUM REQUIREMENTS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION - STANDARD SPECIFICATIONS, CURRENT EDITION, THE GEORGIA DEPARTMENT OF TRANSPORTATION-STANDARD SPECIFICATIONS, CURRENT EDITION CONTROLS.
A. TRAFFIC CONTROL - WHEN ANY PROVISIONS OF THIS SECTION OF THIS ARTICLE DO NOT MEET THE MINIMUM REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, THE GEORGIA DEPARTMENT OF TRANSPORTATION-STANDARD SPECIFICATIONS, CURRENT EDITION CONTROLS.
B. "SECTION 150 - TRAFFIC CONTROL" - THE MUTCD SHALL CONTROL ALL WORK WITHIN CITY RIGHTS OF WAY REQUIRES TRAFFIC CONTROL MEASURES. RIGHTS OF WAY INCLUDES BUT IS NOT LIMITED TO ALL STREETS, ROADS, ALLEYS, LANES, OTHER PUBLIC THOROUGHFARES, SHOULDERS, EASEMENTS, ETC. NO WORK SHALL BEGIN WITHIN CITY RIGHTS OF WAY UNTIL THE APPROPRIATE TRAFFIC CONTROL DEVICES HAVE BEEN PLACED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS. ALTERATIONS TO TRAFFIC FLOW SHALL NOT COMMENCE UNLESS ALL NOTIFICATION REQUIREMENTS ARE MET AND ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO MAKE THE ALTERATIONS ARE AVAILABLE ON OR ON THE SITE. THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL ON THE SITE. THIS INDIVIDUAL'S TRAFFIC CONTROL RESPONSIBILITIES SHALL HAVE PRIORITY OVER ALL OTHER ASSIGNED DUTIES AND RESPONSIBILITIES. THIS INDIVIDUAL SHALL HAVE A COPY OF "PART VI. STANDARDS AND GUIDES FOR TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION, UTILITY AND INCIDENT MAINTENANCE MANAGEMENT OPERATIONS" OF THE MUTCD ON THE JOB SITE AT ALL TIMES. COPIES MAY BE OBTAINED FROM THE FEDERAL GOVERNMENT PRINTING OFFICE:
SUPERINTENDENT OF DOCUMENTS
U.S. PRINTING OFFICE
WASHINGTON, DC 20402-9325
STOCK # 550-001-002064
WHEN FLAGGERS ARE REQUIRED, THE FLAGGERS SHALL BE STATE CERTIFIED, AND THE FLAGGERS MUST HAVE THE STATE CERTIFICATION CARD ON SITE AT ALL TIMES. FAILURE TO PRODUCE THE STATE CERTIFICATION CARD WILL RESULT IN AN IMMEDIATE STOP WORK ORDER UNTIL A STATE CERTIFIED FLAGGER WITH AN UP-TO-DATE STATE CERTIFICATION CARD CAN BE DESIGNATED TO REPLACE THE UNCERTIFIED FLAGGER.
C. VERIFICATION OF FIELD CONDITIONS - IT IS THE UTILITY COMPANY'S REPRESENTATIVE OR THE APPLICANT'S RESPONSIBILITY FOR LOCATING AND MAINTAINING ANY EXISTING UTILITIES, AND ANY COST ASSOCIATED WITH THE RELOCATION OF EXISTING UTILITIES SHALL BE AT THE EXPENSE OF THE UTILITY COMPANY AND/OR THE APPLICANT. IT IS THE APPLICANT'S RESPONSIBILITY TO VERIFY THE LIMITS OF RIGHT OF WAY, THE LOCATION OF EXISTING UTILITIES, AND THE LOCATION OF EXISTING STORM DRAINAGE SYSTEMS PRIOR TO COMMENCING WORK.
D. ROAD CUTS - ALL ROAD CUT EXCAVATIONS SHALL CONFORM TO THE AUGUSTA UTILITY ROAD CUT DETAIL. THIS DETAIL SUPERSEDES THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD 1401 - "PAYEMENT PATCHING DETAIL".
E. BACKFILL - ALL BACKFILL SHALL BE COMPACTED IN LIFTS NO MORE THAN EIGHT (8) INCHES, LOOSE MEASURE, SPREAD AND COMPACTED UNIFORMLY. IN ALL CASES THE BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM LABORATORY DRY DENSITY. TO WITHIN TWELVE (12) INCHES OF THE TOP OF SUBGRADE, THE TOP TWELVE (12) INCHES OF THE BACKFILL SHALL BE COMPACTED TO AT LEAST 100% OF THE MAXIMUM LABORATORY DRY DENSITY. THE TOP OF SUBGRADE IS THAT ELEVATION LOCATED IMMEDIATELY BEHIND THE EXISTING MATERIALS. THE MAXIMUM LABORATORY DRY DENSITY SHALL BE DETERMINED FROM THE STANDARD PROCTOR TEST. A MECHANICAL COMPACTOR AND QUALIFIED OPERATOR SHALL BE ON SITE PRIOR TO BEGINNING ANY EXCAVATIONS. THE MECHANICAL COMPACTOR SHALL REMAIN ON SITE AT ALL TIMES DURING THE BACKFILLING OPERATION. BACKFILLING WITH SAND, USING JETTING AND/OR FLOODING TO ACHIEVE COMPACTION MUST BE APPROVED BY THE CITY ENGINEER.
F. CONCRETE CAP - AN EIGHT (8) INCH THICK PORTLAND CEMENT CONCRETE, CLASS "A" OR BETTER, CONCRETE CAP SHALL BE PLACED TWELVE (12) INCHES WIDER, EACH SIDE, THAN THE EXCAVATED TRENCH DITCH. ALL EDGES SHALL BE SQUARED. ALL CONCRETE SHALL BE PROTECTED FOR TWENTY-FOUR (24) HOURS AFTER PLACEMENT AND NO ASPHALT SHALL BE PLACED DURING THIS PERIOD. IF HIGH EARLY STRENGTH CONCRETE IS USED, ASPHALT PATCHING WITHIN THE TWENTY-FOUR (24) HOUR PERIOD WILL BE CONSIDERED BASED ON EARLY BREAK CYLINDERS OBTAINING A COMPRESSIVE STRENGTH OF 3000 PSI. ALL COSTS ASSOCIATED WITH VERIFYING COMPRESSIVE STRENGTH SHALL BE BORNE BY THE APPLICANT.
G. ASPHALT PATCH - ALL EDGES OF THE EXISTING ASPHALT SHALL BE SAVED VERTICALLY TO PROVIDE A CLEAN, NEAT SURFACE. PRIOR TO PLACING THE ASPHALT PATCH, THE EDGES OF THE EXISTING ASPHALT SHALL BE TACKED IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. "SECTION 413 - BITUMINOUS MIX COX" COX. THE MINIMUM THICKNESS OF THE ASPHALT PATCH SHALL BE ONE AND ONE HALF (1 1/2) INCHES AFTER COMPACTION. UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER, A MECHANICAL SPREADER SHALL BE USED TO PLACE THE ASPHALT FOR A PERMANENT PATCH. AFTER PLACEMENT OF THE ASPHALT AND AFTER PROPER ROLLING, THE FINAL GRADE OF THE ASPHALT PATCH SHALL MATCH THE EXISTING GRADE OF THE SURROUNDING PAVEMENT. HOT MIX ASPHALTIC CONCRETE IS REQUIRED FOR PERMANENT PATCHES PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. SECTION 400 - HOT MIX ASPHALTIC CONCRETE CONSTRUCTION" - COLD MIX ASPHALTIC CONCRETE WILL BE ALLOWED FOR TEMPORARY PATCHES PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. "SECTION 401 - COLD MIX ASPHALTIC CONCRETE CONSTRUCTION".
H. ASPHALT OVERLAY - ALL UTILITY ROAD CUTS REQUIRE AN ASPHALT OVERLAY. THE MINIMUM WIDTH SHALL BE ONE FULL LANE WIDTH. THE MINIMUM LENGTH IS FIFTY FEET. THE CITY ENGINEER MAY INCREASE THE LENGTH OF THE ASPHALT OVERLAY TO 100 FEET. IN CERTAIN UNIQUE CIRCUMSTANCES, THE CITY ENGINEER MAY DECREASE THE MINIMUM FIFTY- (50) FEET LENGTH. THE MINIMUM THICKNESS OF THE ASPHALT OVERLAY IS ONE (1) INCH AFTER COMPACTION. OVERLAY FOR DIAGONAL AND LONGITUDINAL CUTS SHALL BEGIN AND END A MINIMUM OF TEN (10) FEET BEYOND THE CUT EXTREMITIES. REFER TO THE APPLICABLE "ASPHALT OVERLAY DETAIL". ALL ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. "SECTION 400 - HOT MIX ASPHALTIC CONCRETE CONSTRUCTION".
I. JACK AND OR BORE HOLES - NO PAVEMENT WILL BE CUT FOR UTILITY INSTALLATION OR REPAIR UNLESS AUTHORIZED BY THE CITY ENGINEER.
J. JACKS OR BORES ARE TO BE MADE IN OR NEAR ROADWAYS USING ANY TYPE OF DIRECTIONAL BORING EQUIPMENT OR METHODS UNLESS THE CONTRACTOR AND THE METHOD HAVE BEEN APPROVED BY THE CITY ENGINEER.
K. JACKS OR BORES UNDER THE ROADWAY WHERE THE DIAMETER OF THE BORE IS GREATER THAN TWO (2) INCHES IN DIAMETER THAN THE UTILITY BEING INSTALLED WILL REQUIRE CASINGS OR CONDUITS. THE OUTSIDE DIAMETER OF THE CASINGS OR CONDUITS SHALL BE NO MORE THAN TWO (2) INCHES SMALLER THAN THE DIAMETER OF THE BOREHOLE. CASING MATERIAL REQUIRES THE APPROVAL OF THE CITY ENGINEER.
L. ROAD JACKS OR BORES SHALL HAVE A MINIMUM COVER OF FORTY EIGHT (48) INCHES. ROAD JACK AND/OR BORE DETAILS AND LOCATIONS SHALL BE SHOWN ON THE PLANS THAT ARE SUBMITTED WITH THE PERMIT REQUEST.
M. JACK OR BORE ENTRANCE AND EXIT PITS AND SET BACKS ARE TO BE A MINIMUM OF THREE (3) FEET FROM THE EDGE OF ROAD OR THE BACK OF CURBS. DISTANCE WILL INCREASE WITH DEPTH.
N. ALL CONTAMINATED WATER SHALL BE EITHER CONTAINED ON SITE OR REMOVED FROM THE SITE. THERE SHALL BE NO DISCHARGE OF ANY CONTAMINATED WATER FROM THE JACK OR BORE OPERATION INTO THE MUNICIPAL WASTEWATER SYSTEM PER TITLE 5, ARTICLES 17-1, 17-2, 17-3, 17-4, 17-5, 17-6, 17-7, 17-8, 17-9, 17-10, 17-11, 17-12, 17-13, 17-14, 17-15, 17-16, 17-17, 17-18, 17-19, 17-20, 17-21, 17-22, 17-23, 17-24, 17-25, 17-26, 17-27, 17-28, 17-29, 17-30, 17-31, 17-32, 17-33, 17-34, 17-35, 17-36, 17-37, 17-38, 17-39, 17-40, 17-41, 17-42, 17-43, 17-44, 17-45, 17-46, 17-47, 17-48, 17-49, 17-50, 17-51, 17-52, 17-53, 17-54, 17-55, 17-56, 17-57, 17-58, 17-59, 17-60, 17-61, 17-62, 17-63, 17-64, 17-65, 17-66, 17-67, 17-68, 17-69, 17-70, 17-71, 17-72, 17-73, 17-74, 17-75, 17-76, 17-77, 17-78, 17-79, 17-80, 17-81, 17-82, 17-83, 17-84, 17-85, 17-86, 17-87, 17-88, 17-89, 17-90, 17-91, 17-92, 17-93, 17-94, 17-95, 17-96, 17-97, 17-98, 17-99, 17-100, 17-101, 17-102, 17-103, 17-104, 17-105, 17-106, 17-107, 17-108, 17-109, 17-110, 17-111, 17-112, 17-113, 17-114, 17-115, 17-116, 17-117, 17-118, 17-119, 17-120, 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1. Based on monumentation found in the field and plat in reference, property lines are as shown. Subject and adjacent property owners' deed references were provided by EMC Engineering Services Inc and are not guaranteed as to accuracy or completeness.
2. This project is not located in a Special Flood Hazard Area per the Federal Emergency Management Agency's Flood Insurance Rate Map No. 13245C 0205G, Effective Date: November 15, 2019.
3. The basis of bearing for this survey is Georgia State Plane Coordinate System, East Zone (NAD83/2011), determined by GPS observations utilizing a eGPS 2011 GPS base and rover multi-frequency receivers on the eGPS Solutions, LLC VRS Network.

Total Area: Topographic area - +/- 2.60 Acres

E.O.C. Plat: N/A
E.O.C. Field: This Survey was completed using eGPS 2011 GPS base and rover multi-frequency receivers on the eGPS solutions vrs real-time kinematic network along with Robotic Total Station. The field data for this boundary survey has a relative positional accuracy of 0.06' or less, horizontally, at the 95% confidence level.

Equipment used:
TOTAL STATION: Geomax Zoom 95 Series
eGPS 2011 GPS base and rover multi-frequency receivers

Field Work Completed on: April 03, 2024

ZONING DATA
ZONING: R-1, ONE FAMILY RESIDENTIAL
USE: PUBLIC RECREATION
SETBACKS:
FRONT: 40' SETBACK
SIDE: 10' SETBACK
REAR: 20% OF THE DEPTH MAX 50'

SURVEYORS CERTIFICATION

AS REQUIRED BY SUBSECTION (D) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.



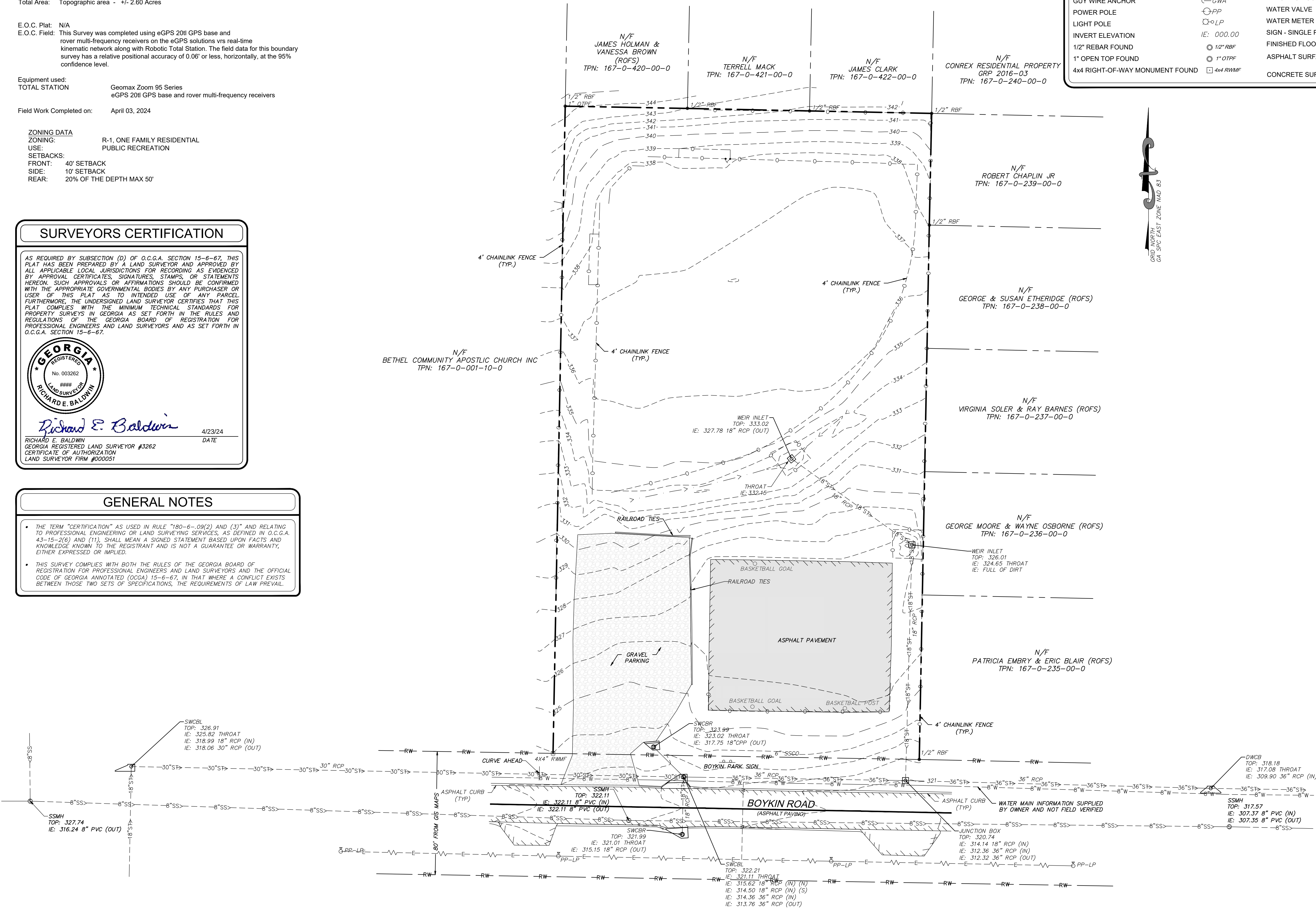
Richard E. Baldwin
RICHARD E. BALDWIN
GEORGIA REGISTERED LAND SURVEYOR #3262
CERTIFICATE OF AUTHORIZATION
LAND SURVEYOR FIRM #000051
4/23/24
DATE

GENERAL NOTES

- THE TERM "CERTIFICATION" AS USED IN RULE "180-6-.09(2) AND (3)" AND RELATING TO PROFESSIONAL ENGINEERING OR LAND SURVEYING SERVICES, AS DEFINED IN O.C.G.A. 43-15-2(6) AND (11), SHALL MEAN A SIGNED STATEMENT BASED UPON FACTS AND KNOWLEDGE KNOWN TO THE REGISTRANT AND IS NOT A GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED.
- THIS SURVEY COMPLIES WITH BOTH THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND THE OFFICIAL CODE OF GEORGIA ANNOTATED (OCCA) 15-6-67, IN THAT WHERE A CONFLICT EXISTS BETWEEN THOSE TWO SETS OF SPECIFICATIONS, THE REQUIREMENTS OF LAW PREVAIL.

LEGEND

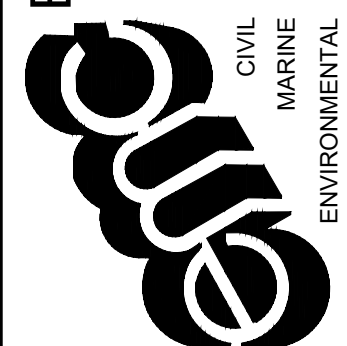
OVERHEAD POWER	—E—	SANITARY SEWER MANHOLE	⊙
ELECTRIC TRANSFORMER	□ ETR	SANITARY SEWER LINE	—SS—
ELECTRIC OUTLET	⊙ EO	SANITARY CLEANOUT	○ SSCO
ELECTRIC BOX	□ EB	WATER MAIN	—8"W—
GUY WIRE ANCHOR	—GWA	IRRIGATION CONTROL VALVE	⋈ I/CV
POWER POLE	⊙ PP	WATER VALVE	⋈ W/V
LIGHT POLE	⊙ LP	WATER METER	⊙ WM
INVERT ELEVATION	IE: 000.00	SIGN - SINGLE POLE	—
1/2" REBAR FOUND	⊙ 1/2" RBF	FINISHED FLOOR ELEV.	FFE = 000.00
1" OPEN TOP FOUND	⊙ 1" OTPF	ASPHALT SURFACE	▨
4x4 RIGHT-OF-WAY MONUMENT FOUND	⊙ 4x4 RWMF	CONCRETE SURFACE	▩



NO.	REVISION DESCRIPTION	DATE
###	###	###
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###	###	###
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EMC ENGINEERING SERVICES, INC.



BOYKIN ROAD PARK
2345 BOYKIN ROAD
G.M.D. 1660
AUGUSTA, RICHMOND COUNTY, GEORGIA
Prepared for:
CHA Consulting, Inc.

PROJECT NO.:	24-8046.21
DRAWN BY:	LNL
DESIGNED BY:	
SURVEYED BY:	NB_JK
SURVEY DATE:	04-03-2024
CHECKED BY:	REB
SCALE:	1" = 30'
DATE:	04-04-2024

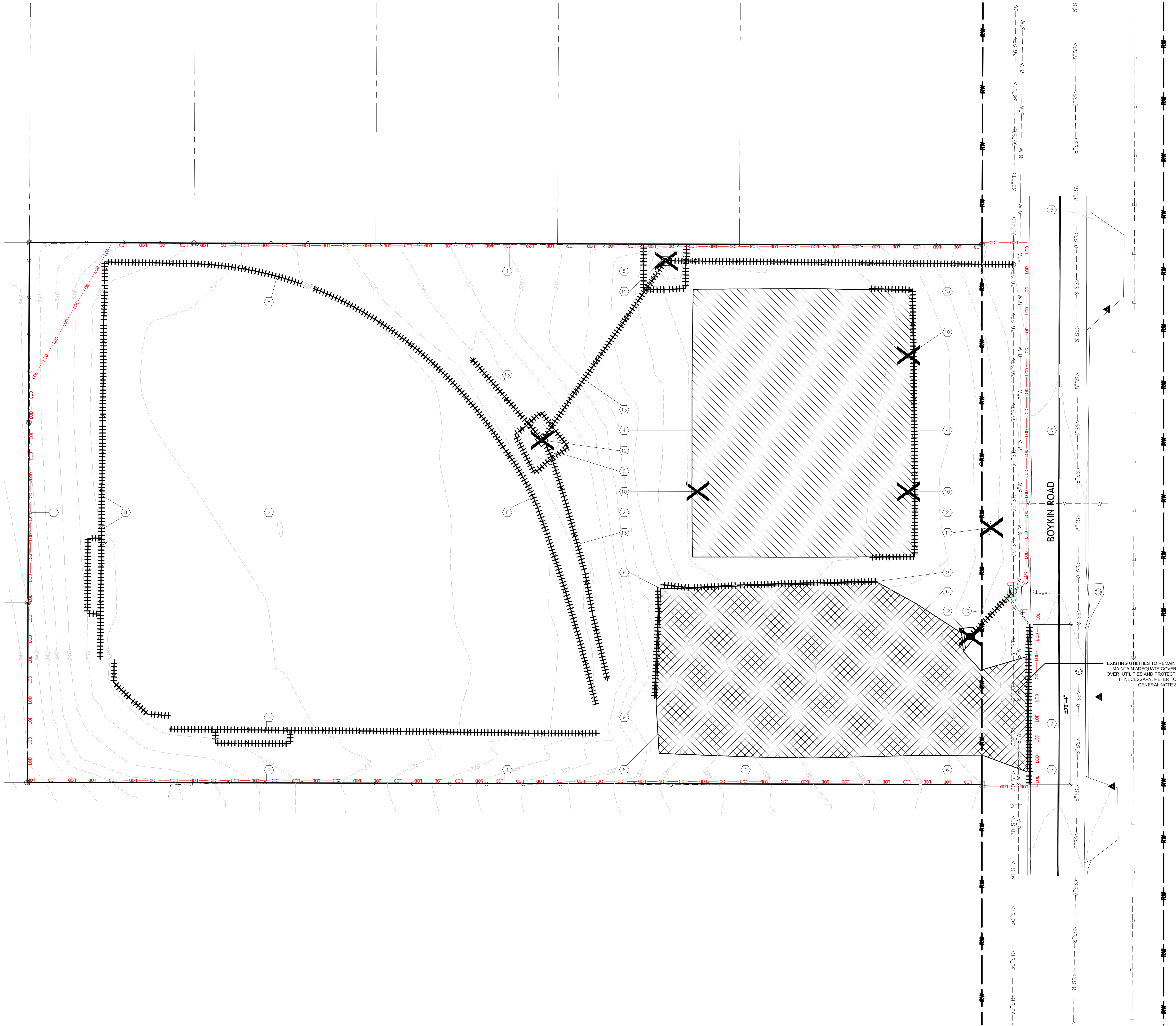
SHEET

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OF

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MASTER DEMOLITION KEYNOTE LEGEND

- 1. APPROXIMATE LIMITS OF WORK / DISTURBANCE
- 2. CLEAR AND GRUB SITE PER PROJECT MANUAL AND SOIL EROSION AND SEDIMENTATION CONTROL PLAN
- 3. SAWCUT EXISTING PAVEMENT, SEE DEMOLITION PLAN FOR SAWCUT LENGTHS. FOR INSTALLATION OF NEW CONCRETE CURB AND GUTTER, SAWCUT EXISTING ASPHALT ROADWAY, PATCH AND REPAIR TO MATCH EXISTING ASPHALT
- 4. REMOVE EXISTING ASPHALT PAVEMENT INCLUDING SUB BASE AND DISPOSE OFFSITE. SEE PROJECT MANUAL FOR REQUIREMENTS OF RECYCLE / SALVAGE OF NON-HAZARDOUS DEMOLITION AND CONSTRUCTION WASTE
- 5. EXISTING ASPHALT PAVEMENT TO REMAIN
- 6. REMOVE EXISTING GRAVEL PAVEMENT INCLUDING SUB BASE AND DISPOSE OFFSITE. SEE PROJECT MANUAL FOR REQUIREMENTS OF RECYCLE / SALVAGE OF NON-HAZARDOUS DEMOLITION AND CONSTRUCTION WASTE
- 7. REMOVE EXISTING CONCRETE CURB AND DISPOSE OFFSITE
- 8. REMOVE EXISTING CHAIN LINK FENCING AND DISPOSE OFFSITE
- 9. REMOVE EXISTING RAILROAD TIES AND DISPOSE OFFSITE
- 10. REMOVE EXISTING BASKETBALL GOALS INCLUDING FOUNDATION AND DISPOSE OFFSITE
- 11. REMOVE EXISTING SIGN AND FOUNDATIONS AND DISPOSE OFFSITE
- 12. REMOVE EXISTING STORM STRUCTURE AND DISPOSE OFFSITE
- 13. REMOVE EXISTING STORM PIPE AND DISPOSE OFFSITE

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL WALK THE SITE PRIOR TO BID TO BE FULLY FAMILIAR WITH THE EXTENT OF REMOVAL ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REMOVALS NECESSARY TO COMPLETE CONSTRUCTION. QUESTIONS REGARDING ITEMS TO BE REMOVED SHALL BE DIRECTED TO CONSTRUCTION MANAGER.
2. THE CONTRACTOR IS TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION OPERATIONS. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO UTILITIES NOT SCHEDULED FOR REMOVAL. CONTACT GEORGIA 811 FOR CONFIRMATION OF UTILITY LOCATIONS.
3. EXISTING UTILITIES THAT ARE TO REMAIN SHALL BE PROTECTED, AND MINIMUM COVER SHALL BE MAINTAINED AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION.
4. CONTRACTOR SHALL APPLY AND RECEIVE ALL PERMITS NECESSARY TO COMPLETE WORK WITHIN PUBLIC RIGHT-OF-WAYS. PROVIDE PROPER BARRICADES FOR WALKS AND STREETS ACCORDING TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
5. THE CONTRACTOR SHALL EXERCISE CARE DURING REMOVAL OPERATIONS. ANY ITEMS INDICATED TO REMAIN THAT ARE DAMAGED DURING REMOVAL OPERATIONS SHALL BE REPAIRED OR REPLACED IN KIND, BY THE CONTRACTOR, AT NO COST TO THE OWNER.
6. ALL ORGANIC CONSTRUCTION DEBRIS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, AT THE CONTRACTOR'S EXPENSE.
7. NO TOPSOIL SHALL BE REMOVED FROM THE SITE. CONTRACTOR SHALL COORDINATE DISPOSAL OF ANY EXCESS TOPSOIL WITH OWNER.
8. PROTECT ALL TREES AND SHRUBS NOT SCHEDULED FOR REMOVAL. NO EQUIPMENT OPERATION WITHIN EXISTING TREE ROOT ZONES SHALL BE ALLOWED. DO NOT STORE, STOCKPILE, OR PARK WITHIN THE ROOT ZONES OF EXISTING VEGETATION. DISTURBANCE WILL NOT BE PERMITTED OF EXISTING TREELINES.
9. ALL SITE CLEARING SHALL BE PERFORMED BY THE CONTRACTOR TO THE LIMITS OF DISTURBANCE MATERIALS AND STRUCTURES SHOWN FOR REMOVAL. SHALL BE REMOVED IN THEIR ENTIRETY OFFSITE LEAVING ONLY NATURAL SOILS. REFER TO THE PROJECT MANUAL.
10. IN THE EVENT THAT ANY STRUCTURES OR HISTORICAL ELEMENTS ARE DISCOVERED DURING CONSTRUCTION OPERATIONS, THESE ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, CONSTRUCTION MANAGER, AND ENGINEER PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.
11. IN THE EVENT THAT ANY HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION OPERATIONS, THESE ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, CONSTRUCTION MANAGER, AND ENGINEER PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.

EXISTING UTILITIES TO REMAIN,
MAINTAIN ADEQUATE COVER
OVER UTILITIES AND PROTECT.
IF NECESSARY, REFER TO
GENERAL NOTE 3



0 20' 40'
Scale in feet



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE
ACTING UNDER THE DIRECTORSHIP OF A LICENSED PROFESSIONAL
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR TO ALTER OR MODIFY ANY PART OF A SEAL OR PLACING THE
SEAL OF A LICENSED PROFESSIONAL AS ALTERED. THE ALTERING
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE
WORKING LETTERS BY FOLLOWING BY THEIR SIGNATURE, THE
DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION
OF THE ALTERATION.

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

DEMOLITION PLAN

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: 1" = 20'

Drawing No.:
C-001
Sheet 4 of 42

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SEE SHEET C-102 FOR NORTH ENLARGEMENT

SEE SHEET C-103 FOR SOUTH ENLARGEMENT

OVERALL SITE PLAN KEYNOTE LEGEND

- 1 ASPHALT VEHICULAR PARKING LOT (34 STALLS) WITH GDOT APPROVED ENTRANCE / APRON AND CURB RAMPS
- 2 VEHICULAR DROP-OFF AREA WITH FLUSH CURB AND BOLLARDS
- 3 20 x 40' PICNIC PAVILION WITH RESTROOMS
- 4 20 x 24' OPEN-AIR SHELTERS WITH GRILLS AND TRASH RECEPTACLES
- 5 DEMENTIA GARDEN WITH RAISED PLANT BEDS
- 6 FITNESS AREA
- 7 PROPOSED PLAYGROUND WITH ENGINEERED WOOD FIBER SURFACING AND PLAY EQUIPMENT
- 8 OPEN LAWN PASSIVE PLAY AREA
- 9 SHORT AND LONG TERM BICYCLE PARKING
- 10 8 FOOT WIDE STONE DUST WALKING TRAIL WITH BENCHES, TRASH RECEPTACLES, AND LIGHTS
- 11 FUTURE BASKETBALL COURT
- 12 MONUMENT SIGN
- 13 PROPOSED STORM WATER CONTROL MEASURE (SCM)

SITE DATA

SITE ADDRESS	2345 BOYKIN ROAD AUGUSTA, GA 30906
PARCEL NUMBER	167-0-001-12-0
SITE ACREAGE	±2.288 ACRES ±99,680.81 SQUARE FEET
EXISTING ZONING	R-1 (ONE-FAMILY RESIDENTIAL)
SETBACKS	FRONT 30' (MINOR OR LOCAL STREET) SIDE 10' EA. SIDE (LOT WIDTH OVER 70') REAR 20% OF LOT DEPTH, NOT TO EXCEED 50' ACCESSORY BUILDINGS 10' (REQUIRED FOR PRINCIPAL STRUCTURES) 10'
AREA	MIN. WIDTH OF 100' AND MINIMUM AREA OF 15,000 SF
HEIGHT	2 ½ STORIES OR 45'
LOT COVERAGE	30% (BUILDINGS OR STRUCTURES)
GROSS FLOOR AREA (ACCESSORY BLDG)	GREATER OF 500 SF OR 3% OF LOT AREA, BUT NEVER MORE THAN 1,200 SF.
OFF-STREET PARKING REQUIRED (RECREATIONAL FACILITIES NOT ELSEWHERE SPECIFIED)	THE NUMBER OF SPACES REQUIRED SHALL BE DETERMINED BY THE PLANNING AND DEVELOPMENT DEPARTMENT STAFF ON THE BASIS OF THE TYPE OF USE PROPOSED, ITS INTENDED OCCUPANCY, AND SEATING ARRANGEMENTS.
OFF-STREET LOADING REQUIREMENTS	NOT APPLICABLE
BICYCLE PARKING REQUIREMENTS	4 TOTAL SPACES (2 SHORT AND LONG) MIN. OF 2 SHORT AND LONG-TERM PARKING SPACES. PARKING PROVIDED AT A RATE OF ONE (1) BIKE SPACE FOR EVERY 10 VEHICLE PARKING SPACES 34 SPACES / 10 ≈ 3 SPACES
MAXIMUM POND AREA	2 - 5 ACRES 20%
MINIMUM TREE CANOPY REQUIREMENT	30%
STREET YARD REQUIREMENT	5 LARGE TREES ONE (1) LARGE TREE FOR EACH 45 LF ON CENTER OF STREET FRONTAGE, WITH A LARGE TREE BEING LOCATED WITHIN 20' OF EACH SIDE PROPERTY LINE. ±237.5 / 45 ≈ 5 TREES
MINIMUM INTERIOR LANDSCAPED AREAS	±1,185 SF 5% OF THE TOTAL INTERIOR AREA OF A PARKING LOT ±23,708 x .05 ≈ 1,185 SF
INTERIOR LANDSCAPED AREA PROVIDED	±1,239 SF
SURVEY PERFORMED BY	EMC ENGINEERING SERVICES, INC. 4424 COLUMBIA ROAD SUITE B AUGUSTA, GA 30907 TELE.: (706) 863-8010



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ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR TO ALTER THE DESIGN OR ANY PART OF A DESIGN BEARING
THE SEAL OF A LICENSED PROFESSIONAL AS ALTERED. THE ALTERING
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE
WORKING LETTERS BY FOLLOWING BY THEIR BEARING, THE
DATE OF SUCH ALTERATION, AND A BRIEF DESCRIPTION
OF THE ALTERATION.

BOYKIN ROAD
PARK - PARK
IMPROVEMENTS

CONSTRUCTION
DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

OVERALL SITE PLAN

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: 1" = 20'

Drawing No.:

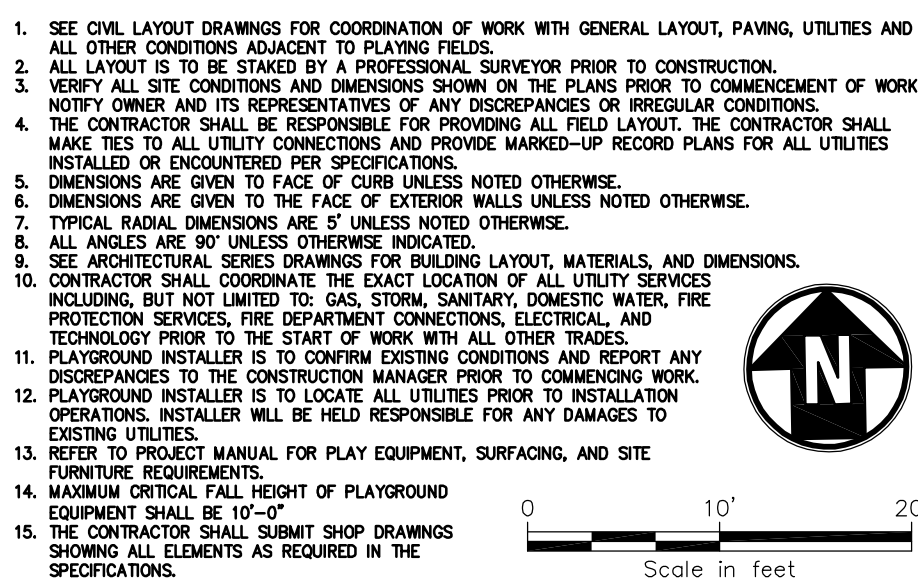
C-101

Sheet 5 of 42

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

[illegible]

Drawing No.:





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BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION
DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

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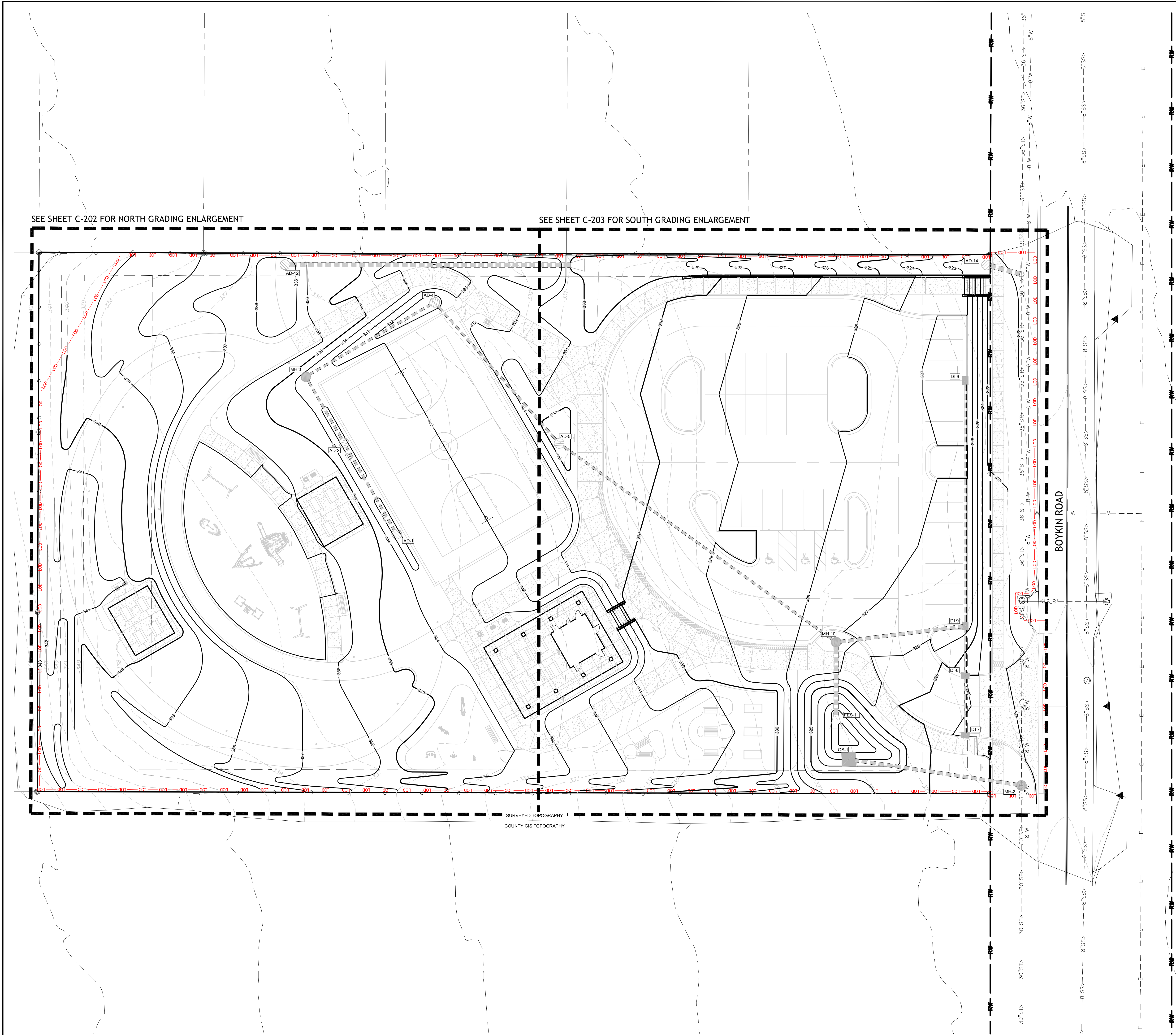
OVERALL GRADING PLAN

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: 1" = 20'

Drawing No.:

C-201

Sheet 8 of 42



GENERAL GRADING NOTES

1. FINISH GRADES TO MIRROR THAT OF THE FINISH SUBGRADE.
2. PROPOSED GRADES SHALL BLEND SMOOTHLY WITH ADJACENT PROPOSED ELEVATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
4. GRADE LAWN TO A SMOOTH, EVEN SURFACE TO THE SPOT ELEVATIONS AND CONTOURS SHOWN.
5. THE CONTRACTOR SHALL STAKE OUT ALL GRADES IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES. THE ENGINEER SHALL APPROVE STAKED GRADES.
6. PROTECT EXISTING UTILITIES, DRAINAGE STRUCTURES, AND FENCES FROM DAMAGE DURING GRADING.
7. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO COORDINATE THE PROTECTION OF DRAINAGE STRUCTURES AND DRAINAGEWAYS WITHIN THE PLAYING FIELD PROJECT AREA RE: EROSION CONTROL PLAN FOR THE ENTIRE WORK SITE.
8. EXCESS MATERIAL FROM TRENCHES AND GENERAL EXCAVATION SHALL BE STOCKPILED ON SITE.
9. SEE TYPICAL CURB DETAIL 11/50-C61 FOR VARIATIONS TO CURB PITCH. USE NORMAL CURB WHERE CURB IS BEING USED TO CONVEY SURFACE FLOW RUNOFF. USE PITCHED GUTTER WHERE SURFACE FLOW SLOPES AWAY FROM CURB. MOST LIKELY INSTANCES OF AN INVERT BEING USED TO PROTECT A TREE, LANDSCAPE, OR FOR VEHICULAR CONTROL. DO NOT TRAP SURFACE RUNOFF IN GUTTER; MAINTAIN POSITIVE OUTLET.

LEGEND

LIMITS OF GRADING / DISTURBANCE

— 323 — CONTOUR LINE

SPOT ELEVATION

SLOPE

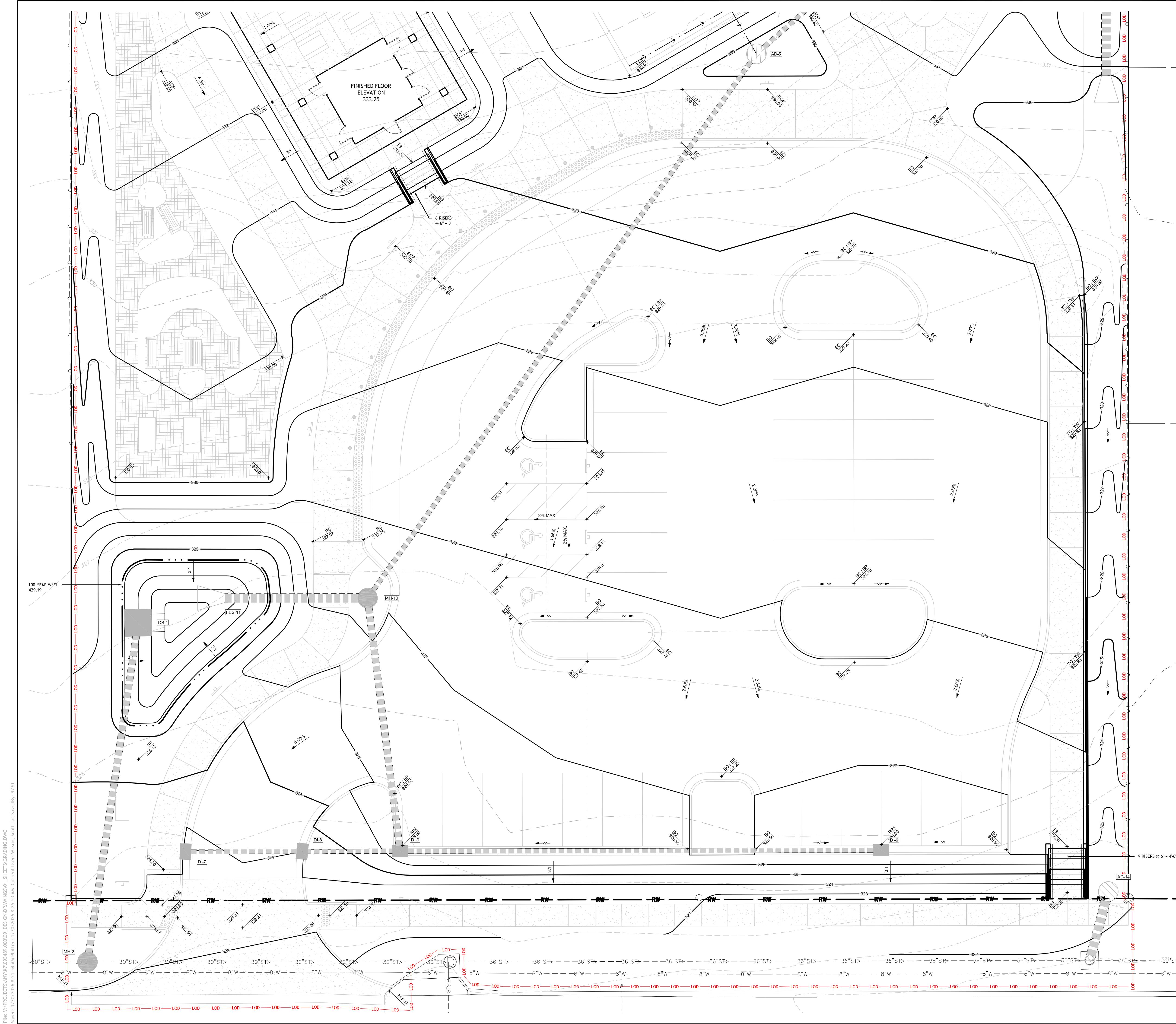
SHEET FLOW DIRECTION

LEGEND

BC
BP
BS
BW
EOP
F.F.E
HP
LP
M.E.C
RIM
TC
TS
TW

BOTTOM OF CURB
BREAK POINT
BOTTOM OF STEP
BOTTOM OF WALL
EDGE OF PAVEMENT
FINISHED FLOOR ELEVATION
HIGH POINT
LOW POINT
MEET EXISTING GRADE
RIM ELEVATION, TOP OF CASTING
TOP OF CURB
TOP OF STEP
TOW OF WALL





GENERAL GRADING NOTES

1. FINISH GRADES TO MIRROR THAT OF THE FINISH SUBGRADE.
2. PROPOSED GRADES SHALL BLEND SMOOTHLY WITH ADJACENT PROPOSED ELEVATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
4. GRADE LAWN TO A SMOOTH, EVEN SURFACE TO THE SPOT ELEVATIONS AND CONTOURS SHOWN.
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6. PROTECT EXISTING UTILITIES, DRAINAGE STRUCTURES, AND FENCES FROM DAMAGE DURING GRADING.
7. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO COORDINATE THE PROTECTION OF DRAINAGE STRUCTURES AND DRAINAGE WAYS WITHIN THE PLAYING FIELD PROJECT AREA. RE: EROSION CONTROL PLAN FOR THE ENTIRE WORK SITE.
8. EXCESS MATERIAL FROM TRENCHES AND GENERAL EXCAVATION SHALL BE STOCKPILED ON SITE.
9. SEE TYPICAL CURB DETAIL 11/C-601 FOR VARIATIONS TO CURB PITCH. USE NORMAL CUTTER WHERE CURB IS BEING USED TO CONVEY SURFACE FLOW RUNOFF. USE BITUMEN GUTTER WHERE SURFACE FLOW SLOPES AWAY FROM CURB. MOST LIKELY INSTANCES OF AN ISLAND BEING USED TO PROTECT A TREE, LANDSCAPE, OR FOR VEHICULAR CONTROL. DO NOT TRAP SURFACE RUNOFF IN CUTTER; MAINTAIN POSITIVE OUTLET.

LEGEND

- LIMITS OF GRADING / DISTURBANCE
- CONTOUR LINE
- SPOT ELEVATION
- SLOPE
- SHEET FLOW DIRECTION

LEGEND

- BC BOTTOM OF CURB
BP BREAK POINT
BS BOTTOM OF STEP
BW BOTTOM OF WALL
EOP EDGE OF PAVEMENT
F.E. FINISHED FLOOR ELEVATION
HP HIGH POINT
L.P. LOW POINT
M.E.G. MEET EXISTING GRADE
RM RM ELEVATION, TOP OF CASTING
TC TOP OF CURB
TS TOP OF STEP
TW TOW OF WALL

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

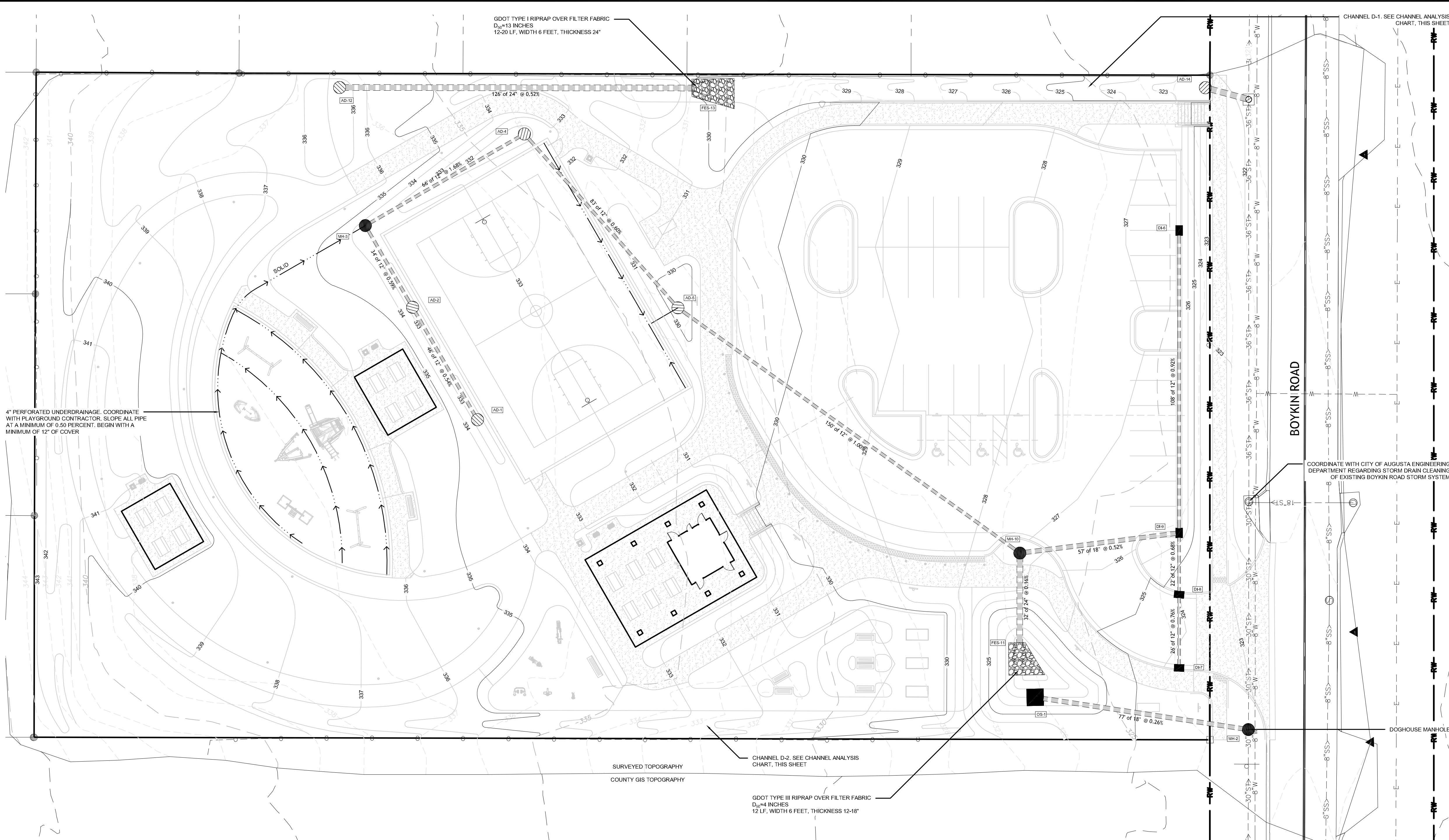
2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

GRADING PLAN - SOUTH

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: 1" = 10'

File: V:\PROJECTS\N07093489_000\09_DESIGN\DRAWINGS\01_SHEETS\DRAINAGE.DWG
Saved: 7/2/2026 11:17:45 PM Plotted: 7/2/2026 11:18:49 PM Current User: Wilson, Scott LastSavedBy: V720



GENERAL DRAINAGE NOTES

- PIPE TO BE HDPE, SIZED AS SHOWN.
- DRAINS TO SLOPE AS INDICATED.
- GEOTEXTILE FABRIC TO BE PLACED AT BOTTOM AND SIDES OF PIPE TRENCH PER DETAIL.
- ALL ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS NOTED OTHERWISE.
- CONTRACTOR TO PROTECT DRAINAGE LINES DURING CONSTRUCTION FROM DEBRIS, INCLUDING SOIL OR GRAVEL MATERIAL OR OTHER TRASH FROM ENTERING OR BLOCKING LINES.
- CONTRACTOR TO AVOID TRAFFIC OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
- COORDINATE DRAINAGE CONNECTION AND INVERTS WITH EXISTING, IN-PLACE CONDITIONS.
- CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND IN FIELD.
- DRAIN BASINS BASED ON NYLOPLAST STRUCTURES, OR APPROVED EQUAL SUBMIT SHOP DRAWINGS / ORDER FORMS OF EACH BASIN FOR APPROVAL BY ENGINEER, RE: SPECIFICATIONS.
- DOGHOUSE MANHOLE AND 4' MANHOLE MUST HAVE POURED CONCRETE INVERTS.

LEGEND

- PERFORATED UNDERDRAIN
--- SOLID CORRUGATED UNDERDRAIN
• DRAIN BASIN / CLEANOUT

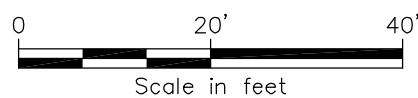
STORM DRAINAGE SCHEDULE									
Structure	Rim	Invert In	From Str	Invert Out	Length	Size	Material	Slope	To Structure
BASIN A									
AD-1	332.50	---	---	329.00	46 ft	12"	HDPE	0.54%	AD-2
AD-2	332.50	328.75	AD-1	328.50	34 ft	12"	HDPE	0.59%	MH-3
MH-3	333.00	328.30	AD-2	324.80	66 ft	12"	HDPE	1.68%	AD-4
AD-4	331.00	323.70	MH-3	323.50	83 ft	12"	HDPE	0.60%	AD-5
AD-5	329.00	323.00	AD-4	322.75	150 ft	12"	RCP	1.00%	MH-10
DI-6	326.17	---	---	322.35	108 ft	12"	RCP	0.93%	DI-8
DI-7	323.97	---	---	321.70	26 ft	12"	RCP	0.76%	DI-8
DI-8	324.00	321.50	DI-7	321.50	22 ft	12"	RCP	0.68%	DI-9
DI-9	326.00	321.35	DI-6	321.35	57 ft	18"	RCP	0.52%	MH-10
		321.35	DI-8						
MH-10	327.80	321.25	AD-5	321.05	32 ft	24"	HDPE	0.16%	FES-11
		321.05	DI-9						
FES-11	321.00	---	MH-10	321.00					

STORM WATER BY-PASS (25-YR STORM)											
AD-12	335.00	---	---	330.65	126 ft	24"	HDPE	0.52%	FES-13	25-YR	
FES-13	321.00	---	AD-12	330.00							
AD-14	322.00	320.00	AD-12	313.10	16 ft	24"	RCP	1.25%	EX. MH	25-YR	
EX. MH	320.74	312.90	AD-14	312.32							
		314.14									
		312.36									
OUTLET											
OS-1	325.00	---	---	317.00	77 ft	18"	RCP	0.26%	MH-2		
MH-2	323.50	316.80	OS-1	315.20							

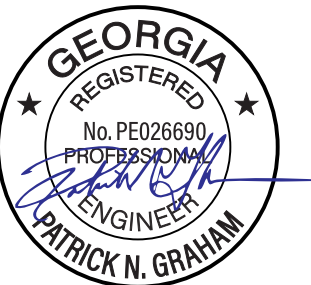
Channel Analysis															
DITCH	Ditch Length (LF)	Flow Depth (FT)	Total Depth (D) w/ 0.5' Freeboard	Bottom Width (W) w/ 0.5' Freeboard	Top Width (W) w/ 0.5' Freeboard	Long. Slope (FT/FT)	Long. Slope (%)	Manning n (Roughness Coef.)	Side Slope (Hor to Vert)	Flow Area (SF)	Flow Capacity (Q in CFS)	V actual Velocity (FPS)	V allowed Velocity (FPS)	Shear Stress (lb/ft ²)	Req'd Flow (Q10 in cfs, 10 min TOC)
D-1	314	0.50	1.00	3.0	7.0	0.044	4.43	0.04	2.0	2.00	8.26	4.13	5.00	1.382	0.11
D-2	343	0.50	1.00	2.0	7.0	0.038	3.80	0.04	2.0	1.50	5.45	3.63	5.00	1.186	0.17

CHANNEL GENERAL NOTES

- SEE SHEET C-604 FOR REINFORCED CHANNEL ANALYSIS.
- SEE LANDSCAPE PLAN FOR PLANTING DESIGN.
- EROSION MAT FOR CHANNEL D-1 TO BE STRAW BLANKET S150BN BY NORTH AMERICAN GREEN OR APPROVED EQUAL. CHANNEL D-2 TO CONTAIN UNREINFORCED VEGETATION.
- INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- SEE HYDROLOGY REPORT FOR MATTING CALCULATIONS.



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SURVEYOR TO ALTER, REPAIR OR ADD TO AN EXISTING
DRAWING OF A LICENSED PROFESSIONAL AS ALTERED, THE ALTERING
DRAWING, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE
WORKING LETTERS BY FOLLOWING BY THEIR SIGNATURE, THE
DATE OF EACH ALTERATION, AND A SPECIFIC DESCRIPTION
OF THE ALTERATION.

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

DRAINAGE PLAN

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: 1" = 20'

Drawing No.:

C-204

Sheet 11 of 42



Know what's below.
Call before you dig.

PHASE II

1. TEMPORARY SEED, THROUGHOUT CONSTRUCTION, DENuded AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
2. INSTALL UTILITIES AND STORM SEWERS.
3. INSTALL RIP-RAP AROUND OUTLET STRUCTURES AS THE OUTLET STRUCTURE IS INSTALLED.
4. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
5. PREPARE SITE FOR PAVING.
6. PAVE SITE AND RESURFACE THE COURTS.
7. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
8. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.

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OUTLET PROTECTION										
	PIPE SIZE (IN)	FLOWRATE (CFS)	VELOCITY (FPS)	TW CONDITION	D50 (IN)	D MAX (IN)	APRON THICKNESS (IN)	APRON LENGTH (FT)	WIDTH UP (FT)	WIDTH DOWN (FT)
ST-1	24"	8.47	4.14	TW=0.5	6"	9"	13.5"	9'	6'	9.6'
ST-2	24"	23.09	8.56	TW=0.5	6"	9"	13.5"	13'	6'	11.2'

TEMPORARY SEEDING SCHEDULE

SPECIES (MIXTURE OF)	RATE/ACRE	PLANTING DATES
SUDAN (SWEET OR TIFT)	60 LBS	APRIL1-SEPT 1
ANNUAL RYE GRASS	40 LBS	AUG 1-APRIL 15

NOTE: APPLY LIME AT THE RATE OF 1 TON/ACRE
REFER TO C-407 FOR FERTILIZER REQUIREMENTS

REFER TO PLAN SHEET C-404 FOR FOR
GENERAL NOTES, MAINTENANCE NOTES,
SITE DATA & QUAD MAP

SOIL SERIES LEGEND

(TwB) Troup Fine Sand,
1-5% Slope
NOTE: SOIL TYPICAL ACROSS SITE

MULCHING SCHEDULE

MULCHING MATERIAL	RATE/ACRE
DRY STRAW OR HAY	2.5 TONS
WOOD WASTE, CHIPS, SAWDUST, OR BARK	6 TO 9 TONS (2 TO 3" DEEP)

EROSION CONTROL LEGEND

--- PROPERTY LINE
--- LIMITS OF DISTURBANCE
--- CONTOUR ELEVATIONS
--- STORM DRAIN
--- LIMITS OF DRAINAGE SUB-BASIN
--- SOIL SERIES BOUNDARY
--- SILT FENCE

DEVELOPER/OWNER: Augusta Parks and
Recreation Department
ADDRESS: 2027 Lumpkin Road Augusta, Ga
EMAIL: awilliams5@augustaga.gov
PHONE: (706) 796-4084

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

24 HR LOCAL EMERGENCY CONTACT

ATHONY E. (TORY) WILLIAMS SR.
INFRASTRUCTURE SYSTEMS MANAGEMENT
PHONE: (706) 877-1884
EMAIL: AEWILLIAMS@ISMLLC-ENGR.COM

(CONTRACTOR'S NAME) (PHONE NUMBER)

NOTE: CONTRACTOR TO PROVIDE UPDATED INFORMATION ONCE CONTRACT IS
AWARDED.

ACREAGE SUMMARY (IN ACRES)	
SITE AREA	2.40 AC±
ON-SITE DISTURBED AREA	2.27 AC±
OFF-SITE DISTURBED AREA	00.13 AC±
TOTAL DISTURBED AREA	2.40 AC±
IMPERVIOUS AREA AT COMPLETION	0.97 AC±
PERVIOUS AREA AT COMPLETION	1.42 AC±

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a small, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION SILT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cw	CONSTRUCTION WASHOUT			DEDICATED CONCRETE TRUCK CHUTE WASHOUT AREA WITH STRAW BALS TO CONTAIN CONCRETE
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd4	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Fr	FILTER FABRIC			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Sd2	CURB INLET FILTER			A temporary cover block wrapped in filter fabric version control measure set directly in front of drop inlet

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SEEDING)			A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.

CONSERVATION COMMISSION NOTES

EROSION CONTROL MEASURES WILL 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.

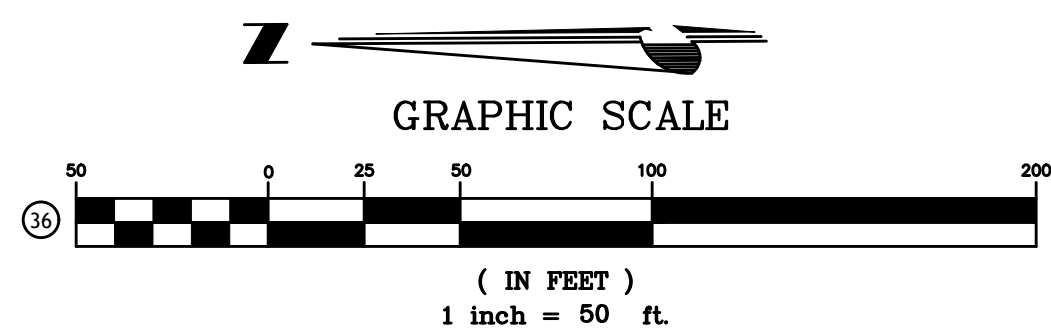
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES.

ALL EROSION & SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY AFTER ONSITE INSPECTION BY THE ISSUING AUTHORITY.

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

STORAGE CALCULATIONS
DRAINAGE AREA = 0.63 AC.
DISTURBED AREA = 0.63 AC.
SEDIMENT STORAGE REQUIRED = 42.21 CY (67 CY/AC.)
SEDIMENT STORAGE PROVIDED = 44.04 CY
CLEANOUT VOLUME REQUIRED = 13.86 CY (22 CY/AC.)
CLEANOUT VOLUME PROVIDED = 17.06 CY
CLEANOUT VOLUME ELEVATION = 323

RETROFIT CALCULATIONS:
1. REQUIRED STORMWATER STORAGE = 0 CY (CONVEYANCE DITCH)
2. REQUIRED SEDIMENT STORAGE = 42.21 CY
3. TOTAL VOLUME REQUIRED = 42.21 CY
4. AVAILABLE STORAGE = 42.21 CY
5. AVAILABLE STORAGE IS GREATER THAN REQUIRED SEDIMENT STORAGE.
6. N/A
7. CLEAN OUT ELEVATION = 323
8. LENGTH TO WIDTH RATIO < 2:1, Baffles NOT REQUIRED
9. N/A
10. CWP DIAMETER = 36"
11. CWP HEIGHT = 1'



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CNA
317 Taittnall Street
Savannah, GA 31401
912.721.6999 . www.chacompanies.com

Augusta
GEORGIA

DELTA
ENGINEERING

RAYMOND

SD
Sustainable Design
Consultants, LLC



DONNA N BLALOCK, PE
PE # 032668
GSWCC CERTIFICATION NO. 0000012451
EXP:06-22-2027

BOYKIN ROAD PARK - PARK IMPROVEMENTS

DESIGN DEVELOPMENT

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

PHASE II EROSION SEDIMENTATION & POLLUTION CONTROL PLAN

Designed By: CAS Drawn By: CAS Checked By: DNB
Issue Date: 01/30/25 Project No.: 093489.000 Scale: 1"= 50'

Drawing No.:

C-402

Sheet 14 of 41

Disturbed Area Stabilization
(With Temporary Seeding)

Ds2



DEFINITION

The establishment of temporary vegetative cover with fast growing seedlings for seasonal protection on disturbed or denuded areas.

PURPOSE

- To reduce runoff and sediment damage of down stream resources
- To protect the soil surface from erosion
- To improve wildlife habitat
- To improve aesthetics
- To improve tilth, infiltration and aeration as well as organic matter for permanent plantings

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification Ds1-Disturbed Area Stabilization (With Temporary Seeding).

GSWCC 2016 Edition

6-29

CONDITIONS

Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established. Note: Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass). Contact NRCS or the local SWCD for more information.

SPECIFICATIONS
Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth out slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amounts of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, ripper, or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch, then topped with the remaining required application rate.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, culti-packer-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand. See Table 6-4.1

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch, provided there is little to no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment. Mulch without seeding should be considered for short term protection. Refer to Ds1 - Disturbed Area Stabilization (With Mulching Only).

Irrigation

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

6-30

Dust Control on
Disturbed Areas

Du



DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE

- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification Tac - Tackifiers.

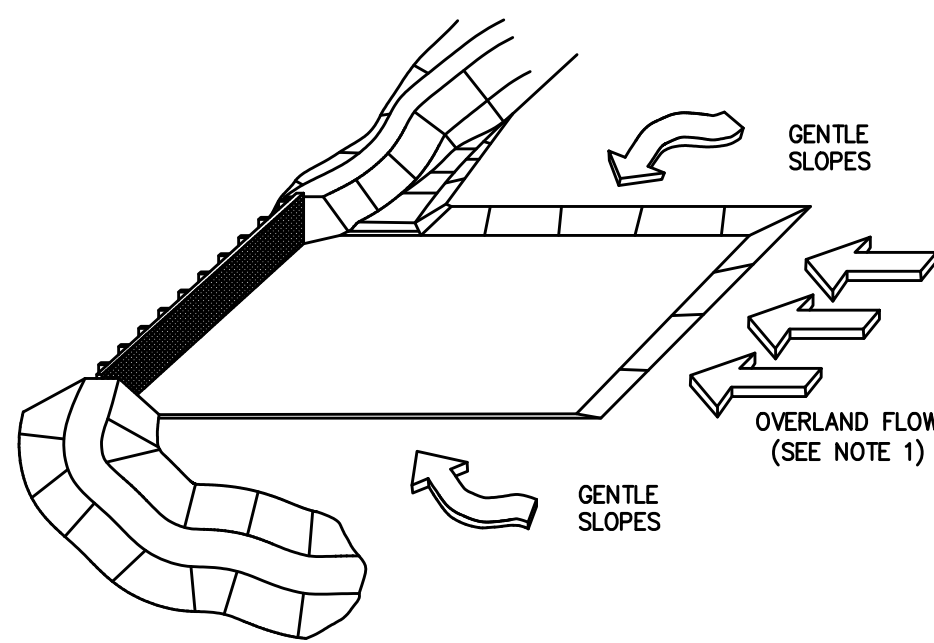
Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency

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6-55

TEMPORARY SEDIMENT TRAP
COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT

COMBINATION OUTLET



NOTES:

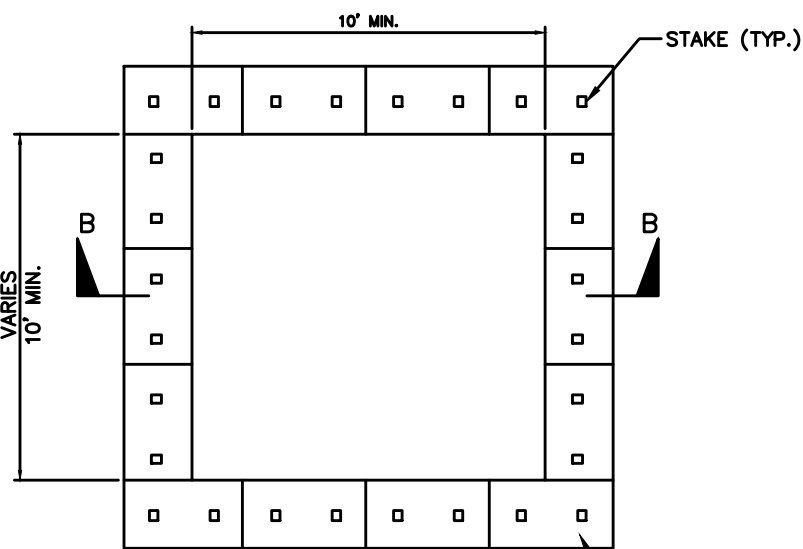
1. MAXIMUM AREA FOR SEDIMENT TRAP WITH A SILT FENCE/STRAW BALE COMBINATION OUTLET IS USUALLY 1 ACRE WITH GENTLE SLOPES AND PREDOMINANTLY OVERLAND SHEET FLOW.
2. MAXIMUM DEPTH OF PONDED WATER IS USUALLY 12" OR LESS. PROVIDE EMERGENCY SPILLWAY BY CONSTRUCTING RIPRAP CHANNEL AS NECESSARY.

Sd4

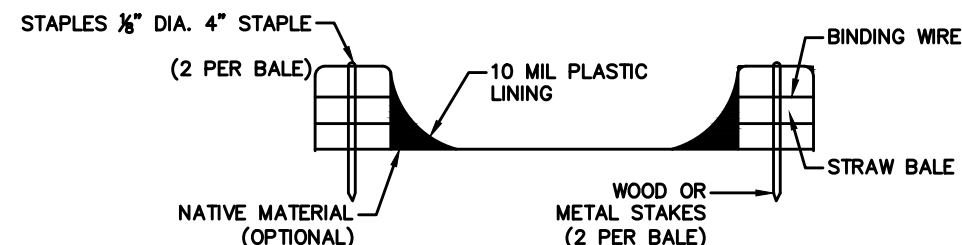
TYPE_C

CONCRETE WASHOUT DETAIL

STRAW BALE BARRIER CONCRETE WASHOUT



PLAN
NOT TO SCALE
TYPE "ABOVE GRADE"
WITH STRAW BALES



SECTION B-B
NOT TO SCALE

LETTERS A MINIMUM
OF 5" IN HEIGHT

CONCRETE WASHOUT SIGN DETAIL

NOT TO SCALE

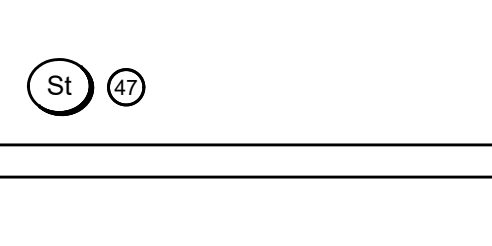
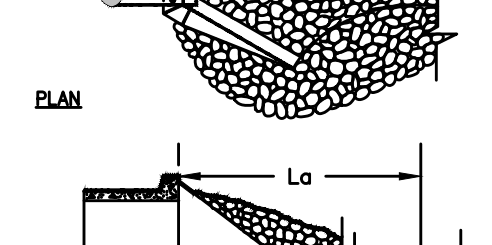
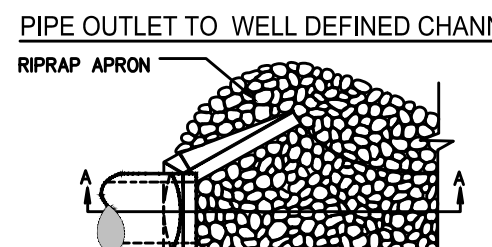
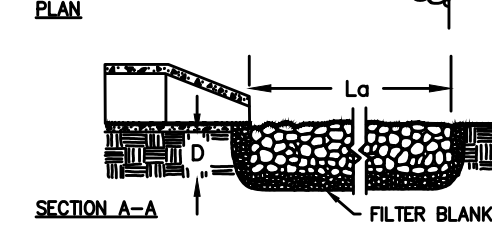
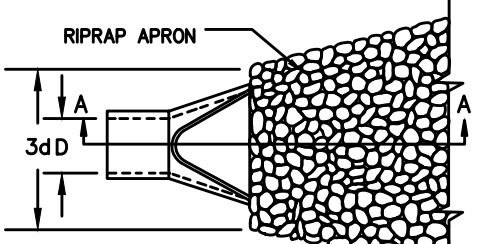
NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"x24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.

SCALE: NTS

RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



NOTES:

1. L₀ IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

FILTER BEDDING STONE

N.S.A. # (1)	SIZE IN INCHES (SQ. OPENING)		
	MAX.	AVG. (2)	MIN. (3)
FS-1	3/8"	#30 MESH	#100 MESH
FS-2	2.0"	#4	#100 MESH
FS-3	6.5"	2.5"	#16

- 1) NATIONAL STONE ASSOCIATION
- 2) AT LEAST 50% OF THE INDIVIDUAL STONE PARTICLES MUST BE EQUAL OR LARGER THAN THIS LISTED SIZE
- 3) 85-100% OF THE INDIVIDUAL STONE PARTICLES MAY BE LESS THAN LISTED SIZE

RIP-RAP N.S.A.# NO.	SIZE INCHES (SQ. OPENING)			FILTER STONE N.S.A.# NO.	SIZE INCHES (SQ. OPENING)		
	MAX.	AVG. (2)	MIN.		MAX.	AVG. (2)	MIN.
R-3	6"	3"	2"	FS-2	2"	#4	#100 MESH
R-4	12"	6"	3"				
R-5	18"	9"	3"				

1. NATIONAL STONE ASSOCIATION
2. AT LEAST 50% OF THE INDIVIDUAL STONE PARTICLES MUST BE EQUAL OR LARGER THAN THIS LISTED SIZE.
3. 85-100% OF THE INDIVIDUAL STONE PARTICLES MAY BE LESS THAN LISTED SIZE.

REFER TO RIP RAP CHART ON PLAN FOR DIMENSIONS AND STONE SIZE FOR EACH RIP RAP LOCATION

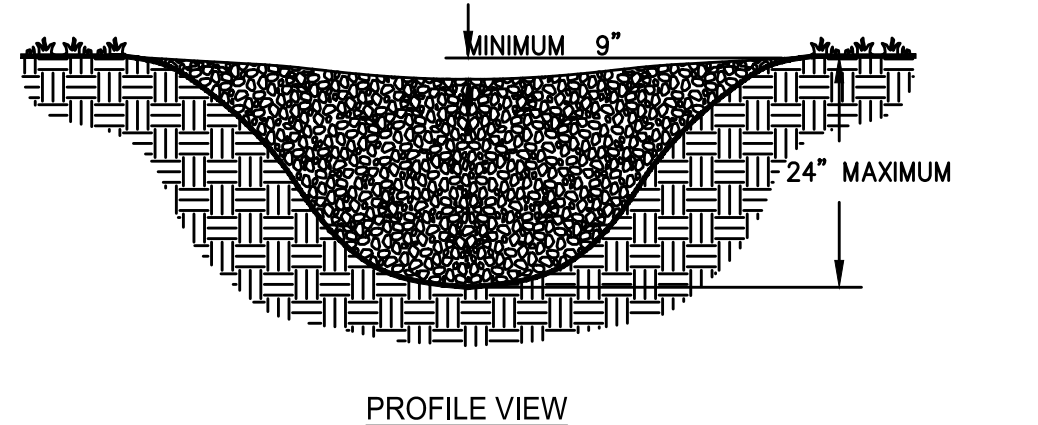
STORM DRAIN OUTLET PROTECTION						
NUMBER	AVG. STONE SIZE (A50) (inches)	APRON LENGTH (L ₀) (feet)	APRON WIDTH AT HEADWALL(W ₁) (feet)	APRON WIDTH DOWNSTREAM (W ₂) (feet)	MIN. APRON THICKNESS(D) (inches)	
#	"	'	'	'	"	

NSA NUMBER	SIZE IN INCHES				FILTER STONE N.S.A.# (3)
	d MAX (inches)	AVG. (1) d 50 (inches)	MIN. (2) (MIN. #)	MIN. APRON THICKNESS (inches)	
R-1	1.50"	0.75"	(NO. #)	2.25"	FS-1
R-2	3"	1.50"	1"	4.5"	FS-1
R-3	6"	3"	2"	9"	FS-2
R-4	12"	6"	3"	18"	FS-2
R-5	18"	9"	3"	27"	FS-2
R-6	24"	12"	7"	36"	FS-3
R-7	30"	15"	10"	45"	FS-3
R-8	48"	24"	16"	72"	FS-3

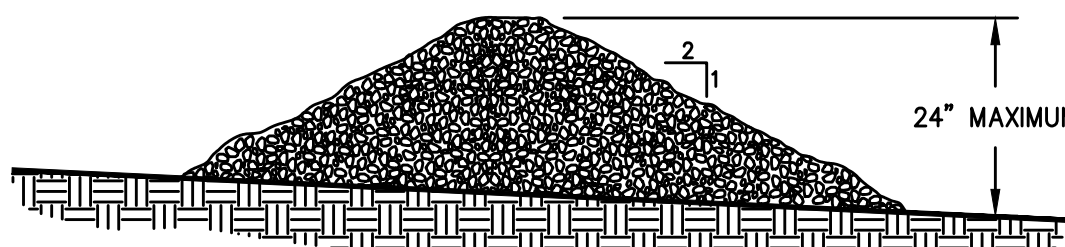
- (1) "AVERAGE SIZE" IS THAT SIZE EXCEEDED BY AT LEAST 50% OF THE TOTAL WEIGHT OF THE TONNAGE SHIPPED. THE SPECIFIED NOMINAL TOP SIZE SHALL CONSIST OF PIECES CLOSER THAN THE "AVERAGE" SIZE (NOMINALLY HALF THE SPECIFIED NOMINAL TOP SIZE).
- (2) MINIMUM SIZE SHOWN SHALL NOT EXCEED 15% OF THE TONNAGE SHIPPED.
- (3) NATIONAL STONE ASSOCIATION

STONE CHECK DAM

CROSS SECTION



PROFILE VIEW

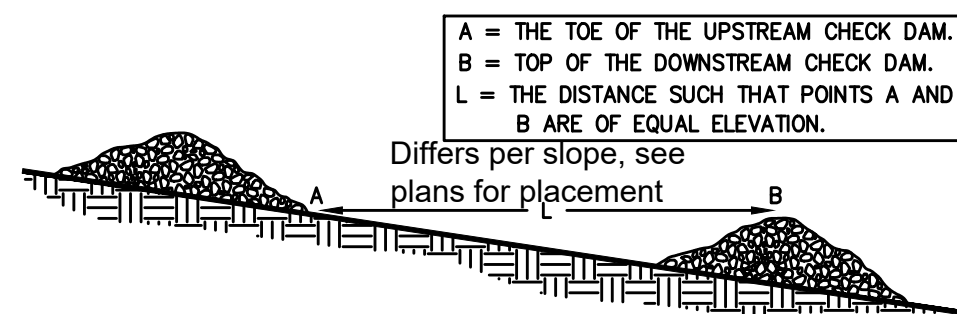


NOTES:

1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

STONE CHECK DAM-1

SPACING BETWEEN CHECK DAMS



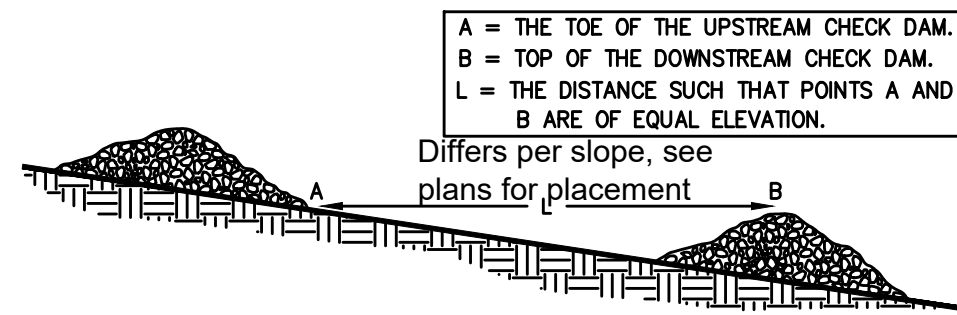
A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

Differs per slope, see plans for placement

1. CFS IN THE CHANNEL/DITCH THAT THE CHECK DAM IS BEING USED IN IS: 3.00 CFS ABOVE 2.0 CFS: YES
2. IF YES, LIST BMP USED IN CONJUNCTION WITH CHECK DAMS: CHANNEL STABILIZATION (VEGETATIVE LINING Ch-1)

STONE CHECK DAM-2

SPACING BETWEEN CHECK DAMS



A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

Differs per slope, see plans for placement

1. CFS IN THE CHANNEL/DITCH THAT THE CHECK DAM IS BEING USED IN IS: 8.00 CFS ABOVE 2.0 CFS: YES
2. IF YES, LIST BMP USED IN CONJUNCTION WITH CHECK DAMS: CHANNEL STABILIZATION (VEGETATIVE LINING Ch-1)

BOYKIN ROAD
PARK - PARK
IMPROVEMENTS

DESIGN
DEVELOPMENT

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

EROSION
SEDIMENTATION &
POLLUTION
CONTROL DETAILS

Designed By: CAS	Drawn By: CAS	Checked By: DNB
Issue Date: 01/30/25	Project No.: 093489.000	Scale:

Drawn No.:

C-407

Sheet of 41

Disturbed Area Stabilization (With Mulching Only)

Ds1



DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

PURPOSE

- To reduce runoff and erosion
- To conserve moisture
- To prevent surface compaction or crusting
- To control undesirable vegetation
- To modify soil temperature
- To increase biological activity in the soil

REQUIREMENT FOR REGULATORY COMPLIANCE

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 a 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 any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to **Ds2 -Dis-**

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turbed Area Stabilization (With Temporary Seeding), Ds3 - Disturbed Area Stabilization (With Permanent Seeding), and Ds4 - Disturbed Area Stabilization (With Sodding).

SPECIFICATIONS

Mulching Without Seeding

This standard applies to graded or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

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.

Mulching Materials

Select one of the following materials and apply at the depth indicated:

1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.

2. 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.
3. 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. Tackifiers, binders and hydraulic mulch with tackifier specifically designed for tacking straw can be substituted for emulsified asphalt. Please refer to specification **Tac-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.

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Disturbed Area Stabilization (With Permanent Vegetation)

Ds3



DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

PURPOSE

- To protect the soil surface from erosion
- To reduce damage from sediment and runoff to down-stream areas
- To improve wildlife habitat and visual resources
- To improve aesthetics

REQUIREMENT FOR REGULATORY COMPLIANCE

This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. **Final Stabilization** means that all soil disturbing activities at the site have been completed, and that for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by the GA 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 in planned landscaped areas), or equivalent permanent stabilization measures.

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Table 6-5.1. Fertilizer Requirements

Ds3

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	6-12-12	1000 lbs./ac.	—
	Maintenance	10-10-10	400 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/
	Second	0-10-10	1000 lbs./ac.	—
	Maintenance	0-10-10	400 lbs./ac.	—
3. Ground covers	First	10-10-10	1300 lbs./ac. 3/	—
	Second	10-10-10	1300 lbs./ac. 3/	—
	Maintenance	10-10-10	1100 lbs./ac.	—
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	6-12-12	800 lbs./ac.	50-100 lbs./ac. 2/
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac./6/
	Second	0-10-10	1000 lbs./ac.	—
	Maintenance	0-10-10	400 lbs./ac.	—

- 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.

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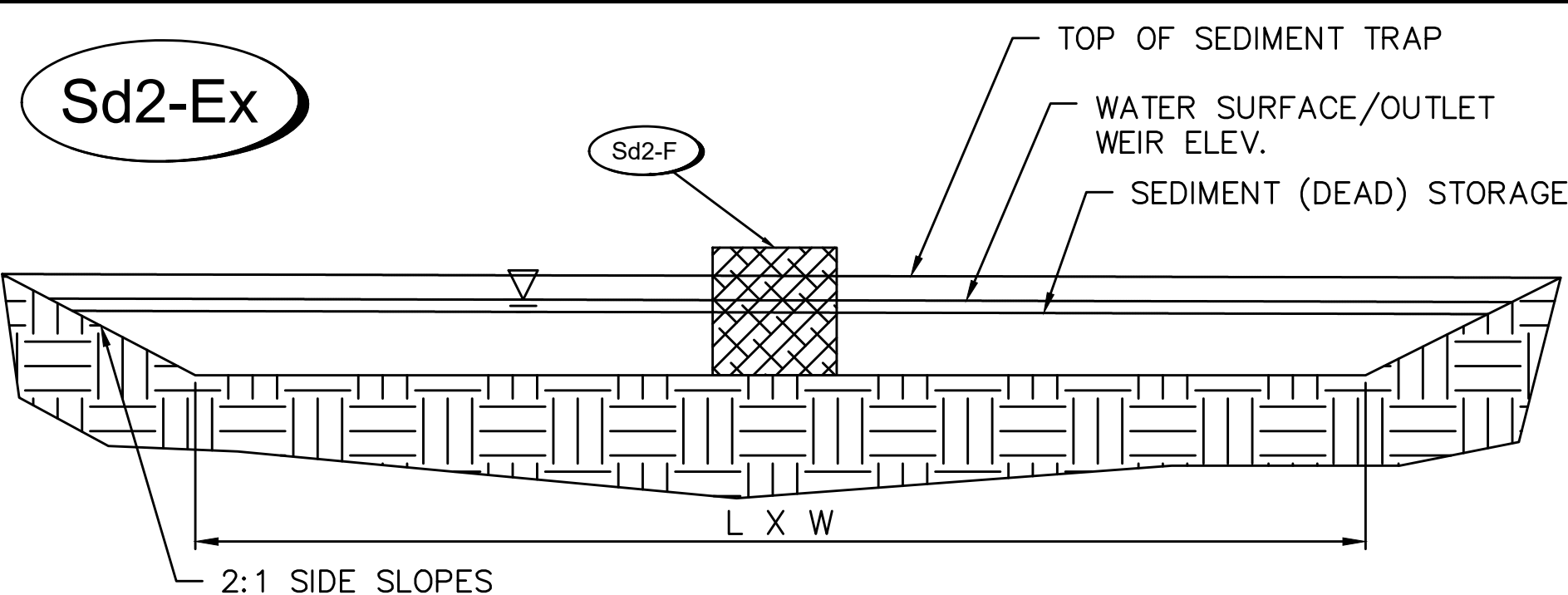
EXCAVATED INLET SEDIMENT TRAP CALCULATIONS

Sd2-Ex

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

Post-Basin:	2	7	8	9	10
1) <i>Drainage area (acres):</i>	0.15	0.28	0.17	0.41	0.22
2) <i>Required sediment storage = 67 cy/ac * drainage area (CY):</i>	10.05	18.76	11.39	27.47	14.74
<i>Required sediment storage (CF):</i>	271.35	506.52	307.53	741.69	397.98
3) <i>Assume excavation depth (minimum of 1.5 ft) (ft):</i>	1.5	1.5	2	2	2
4) <i>Assume slope of sides (shall not be steeper than 2:1) (X:1)</i>	2	2	2	2	2
5) <i>Determine required surface area: SA(min) = Required Sediment storage / excavation depth (SF):</i>	180.9	337.68	153.765	370.845	198.99
6) <i>Assume shape of excavation and determine dimensions. (A rectangular shape with 2:1 length to width ratio is recommended.)</i>					
<i>Shape:</i>	Rect.	Tri.	Rect.	Rect.	Rect.
<i>Length (ft):</i>	10	25	20	25	20
<i>Width (ft):</i>	20	28	8	15	10
<i>Diameter (if applicable) (ft):</i>	N/A	N/A	N/A	N/A	N/A
<i>Actual size (SF):</i>	200.00	350.00	160.00	375.00	200.00
<i>Difference:</i>	19	12	6	4	1



NOTE:
THE OUTLET WEIRS OF THE EXCAVATED INLET TRAPS SHALL BE ELEVATED ABOVE THE DEAD STORAGE TO ENSURE STORMWATER DISCHARGE OCCURS AT THE WATER SURFACE.

EXCAVATED INLET SEDIMENT TRAP TYPICAL SECTION



Sustainable Design
Consultants, LLC



DONNA N. BLALOCK, PE
PE # 032668
GSWCC CERTIFICATION NO. 0000012451
EXP-06-22-2027

IF A HOLDER OF A LICENSE FOR ANY PROFESSION, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION ALTERED BY FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A BRIEF DESCRIPTION OF THE ALTERATION.

BOYKIN ROAD PARK - PARK IMPROVEMENTS

DESIGN DEVELOPMENT

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No. Submittal / Revision Appr By Date

EROSION SEDIMENTATION & POLLUTION CONTROL DETAILS

Designed By: CAS Drawn By: CAS Checked By: DNB
Issue Date: 01/30/25 Project No.: 093489.000 Scale:

Drawing No.:

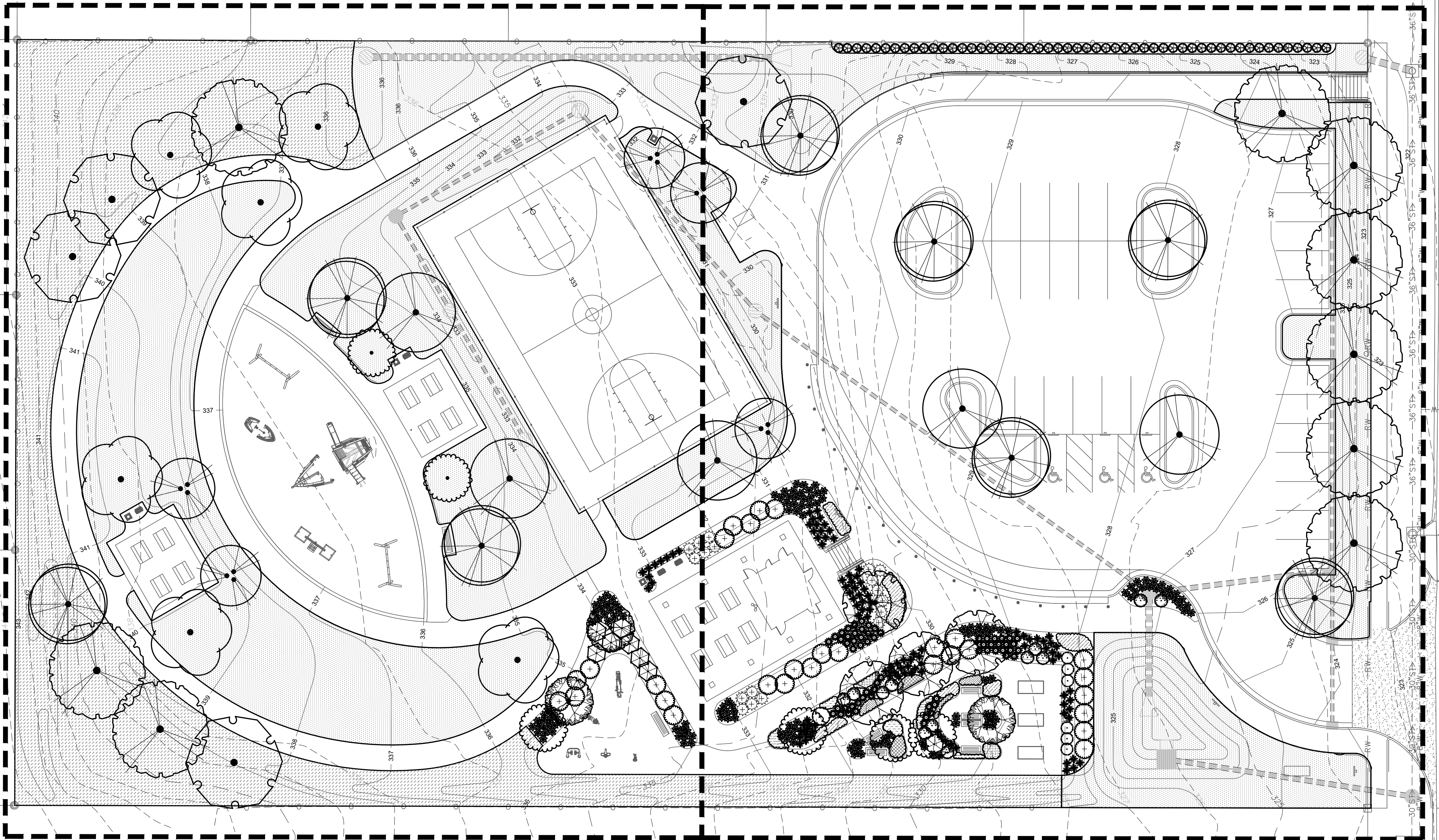
C-408

Sheet 20 of 41

File: V:\PROJECTS\ANY7093489.000\09_DESIGN\DRAWINGS\01_SHEETS\LANDSCAPE.DWG
Saved: 1/28/2026 1:23:13 PM Modified: 1/28/2026 2:25:01 PM Current User: Mckelvin-Jayme.Landscaping, 01/16

SEE SHEET C-502 FOR NORTH LANDSCAPE ENLARGEMENT

SEE SHEET C-503 FOR SOUTH LANDSCAPE ENLARGEMENT



BOYKIN ROAD

GENERAL LANDSCAPE NOTES

1. CONTRACTOR SHALL CONFIRM LOCATION OF ALL UTILITIES AND SUBSURFACE DRAINS. CONTRACTOR TO REPAIR ALL DAMAGES TO EXISTING UTILITIES, CURBS, PAVEMENTS, ETC., RESULTING FROM LANDSCAPE INSTALLATIONS WHICH OCCUR DURING THE INSTALLATION PROCESS.
2. ALL TREES AND SHRUBS TO BE STAKED BY CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT.
3. ALL PLANTING OPERATIONS AND MATERIALS SHALL ADHERE TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS AND THE PROJECT MANUAL.
4. PROTECT ALL VEGETATION NOT SCHEDULED TO BE REMOVED. ANY DAMAGE TO VEGETATION THAT IS TO REMAIN SHALL BE REPLACED WITH LIKE SPECIES AND SIZE.
5. ALL SUBSTITUTIONS AND PLAN CHANGES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY ACTION TAKE. TREES SHALL BE PROTECTED AND HANDLED CAREFULLY AT ALL TIMES DURING TRANSPORT AND HANDLING TO PREVENT DRYING OF TREE OR ROOT BALL BY WINDS AND TO PREVENT ANY DAMAGE OR BREAKAGE OF THE ROOT BALL. BARK SHALL BE PROTECTED FROM BRUISING OR ABRASION.
6. TREES AND SHRUBS DUG FOR RELOCATION SHALL BE PLANTED AS SOON AS POSSIBLE. WHILE STORING PLANT MATERIAL, PROTECT FROM DIRECT SUNLIGHT, WINDS AND TEMPERATURE EXTREMES. PREVENT ROOT SYSTEM FROM DRYING OUT. PLANTING SOIL AND MULCH FOR ALL TREES AND SHRUBS SHALL BE PER APPROPRIATE DETAIL.
7. SEED LIMIT LINES ARE APPROXIMATE. FINE GRADE, TOPSOIL, AND SEED ALL DISTURBED AREAS. TAKE SPECIAL CARE NOT TO OVERSEED ONTO PAVED AREAS.
8. SEED ALL LAWN AREAS WITH SPECIFIED SEED MIXTURE AND SHALL BE DONE IN ACCORDANCE WITH THE PROJECT MANUAL.
9. WATER TREES IMMEDIATELY AFTER PLANTING AND CONTINUE TO WATER UNTIL FINAL ACCEPTANCE BY OWNER AND LANDSCAPE ARCHITECT.
10. WATER TREES IMMEDIATELY AFTER PLANTING AND CONTINUE TO WATER UNTIL FINAL ACCEPTANCE BY OWNER AND LANDSCAPE ARCHITECT.
11. SHOULD A DISCREPANCY BE FOUND BETWEEN THE PLANTING PLAN AND PLANT SCHEDULE, THE PLANTING PLAN SHALL TAKE PRECEDENCE.

TREES

- | | |
|---------|----------------------------------|
| ULM ALL | ALLEE® LACEBARK ELM |
| CAR AME | AMERICAN HORNBEE |
| PIS CHI | CHINESE PISTACHE |
| CER EAS | EASTERN REDBUD MULTI-TRUNK |
| COR FLO | FLOWERING DOGWOOD |
| LAG WHI | NATCHEZ CRAPE MYRTLE MULTI-TRUNK |
| QUE RUB | NORTHERN RED OAK |
| ILE SCP | SCARLET'S PEAK YAUPON HOLLY |
| JUN TAY | TAYLOR EASTERN REDCEDAR |
| CHI VIR | WHITE FRINGETREE |
| NYS WIL | WILDFIRE TUPELO |

SHRUBS

- | | |
|---------|--------------------------------------|
| KOL AMA | BEAUTY BUSH |
| SPI BRI | BRIDAL WREATH SPIREA |
| RHU GRO | GRO-LOW FRAGRANT SUMAC |
| BUD PHA | LO & BEHOLD® PURPLE HAZE BUTTERFLY E |
| BUD MVL | MISS VIOLET BUTTERFLY BUSH |

ORNAMENTAL GRASSES

- | | |
|---------|----------------------------------|
| CAL KA2 | KARL FOERSTER FEATHER REED GRASS |
| PAN SH2 | SHENANDOAH SWITCH GRASS |
| MUH WHI | WHITE CLOUD MUHLY GRASS |

GRASSES

- | | |
|---------|-------------------------------|
| ERN OTT | NATIVE WILDFLOWER & GRASS MIX |
| ZOY JAP | ZOYSIA GRASS |

PERENNIALS

- | | |
|---------|--------------------------|
| LIA SPI | BLAZING STAR |
| ASC TUB | BUTTERFLY MILKWEED |
| COR ESN | EARLY SUNRISE TICKSEED |
| STA BYZ | LAMB'S EAR |
| ECH MAG | MAGNUS PURPLE CONEFLOWER |
| BAP XPL | PLUM ROSY FALSE INDIGO |
| NEP WLO | WALKER'S LOW CATMINT |



0 20' 40'
Scale in feet



Sustainable Design
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE
ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR TO ALTER OR MODIFY ANY PART OF AN EXISTING
STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE
NOTATION, ALTERED BY, FOLLOWED BY THEIR SIGNATURE, THE
DATE OF EACH ALTERATION, AND A SPECIFIC DESCRIPTION OF
THE ALTERATION.

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

LANDSCAPE PLAN

Designed By: SDW	Drawn By: JM	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: 1" = 20'

Drawing No.:

C-501

Sheet 21 of 42

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GENERAL LANDSCAPE NOTES

1. CONTRACTOR SHALL CONFIRM LOCATION OF ALL UTILITIES AND SUBSURFACE DRAINS. CONTRACTOR TO REPAIR ALL DAMAGES TO EXISTING UTILITIES, CURBS, PAVEMENTS, ETC., RESULTING FROM LANDSCAPE INSTALLATIONS WHICH OCCUR DURING THE INSTALLATION PROCESS.
2. ALL TREES AND SHRUBS TO BE STAKED BY CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT.
3. ALL PLANTING OPERATIONS AND MATERIALS SHALL ADHERE TO THE AMERICAN ASSOCIATION OF NURSESMEN STANDARDS AND THE PROJECT MANUAL.
4. PROTECT ALL VEGETATION NOT SCHEDULED TO BE REMOVED. ANY DAMAGE TO VEGETATION THAT IS TO REMAIN SHALL BE REPLACED WITH LIKE SPECIES AND SIZE.
5. ALL SUBSTITUTIONS AND PLAN CHANGES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY ACTION TAKE. TREES SHALL BE PROTECTED AND HANDLED CAREFULLY AT ALL TIMES DURING TRANSPORT AND HANDLING TO PREVENT DRYING OF TREE OR ROOT BALL BY WINDS AND TO PREVENT ANY DAMAGE OR BREAKAGE OF THE ROOT BALL. BARK SHALL BE PROTECTED FROM BRUISING OR ABRASION.
6. TREES AND SHRUBS DUG FOR RELOCATION SHALL BE PLANTED AS SOON AS POSSIBLE. WHILE STORING PLANT MATERIAL, PROTECT FROM DIRECT SUNLIGHT, WINDS AND TEMPERATURE EXTREMES. PREVENT ROOT SYSTEM FROM DRYING OUT.
7. PLANTING SOIL AND MULCH FOR ALL TREES AND SHRUBS SHALL BE PER APPROPRIATE DETAIL.
8. SEED LIMIT LINES ARE APPROXIMATE. FINE GRADE, TOPSOIL, AND SEED ALL DISTURBED AREAS. TAKE SPECIAL CARE NOT TO OVERSEED ONTO PAVED AREAS.
9. SEED ALL LAWN AREAS WITH SPECIFIED SEED MIXTURE AND SHALL BE DONE IN ACCORDANCE WITH THE PROJECT MANUAL.
10. WATER TREES IMMEDIATELY AFTER PLANTING AND CONTINUE TO WATER UNTIL FINAL ACCEPTANCE BY OWNER AND LANDSCAPE ARCHITECT.
11. SHOULD A DISCREPANCY BE FOUND BETWEEN THE PLANTING PLAN AND PLANT SCHEDULE, THE PLANTING PLAN SHALL TAKE PRECEDENCE.

TREES

- | | | |
|--|---------|----------------------------------|
| | ULM ALL | ALLEE® LACEBARK ELM |
| | CAR AME | AMERICAN HORNBEAM |
| | PIS CHI | CHINESE PISTACHE |
| | CER EAS | EASTERN REDBUD MULTI-TRUNK |
| | COR FLO | FLOWERING DOGWOOD |
| | LAG WHI | NATCHEZ CRAPE MYRTLE MULTI-TRUNK |
| | QUE RUB | NORTHERN RED OAK |
| | ILE SCP | SCARLET'S PEAK YAUPON HOLLY |
| | JUN TAY | TAYLOR EASTERN REDCEDAR |
| | CHI VIR | WHITE FRINGETREE |
| | NYS WL | WILDFIRE TUPELO |

SHRUBS

- | | | |
|--|---------|--------------------------------------|
| | KOL AMA | BEAUTY BUSH |
| | SPI BRI | BRIDAL WREATH SPIREA |
| | RHU GRO | GRO-LOW FRAGRANT SUMAC |
| | BUD PHA | LO & BEHOLD® PURPLE HAZE BUTTERFLY E |
| | BUD MVL | MISS VIOLET BUTTERFLY BUSH |

ORNAMENTAL GRASSES

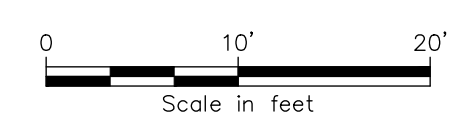
- | | | |
|--|---------|----------------------------------|
| | CAL KA2 | KARL FOERSTER FEATHER REED GRASS |
| | PAN SH2 | SHENANDOAH SWITCH GRASS |
| | MUH WHI | WHITE CLOUD MUHLY GRASS |

GRASSES

- | | | |
|--|---------|-------------------------------|
| | ERN OTT | NATIVE WILDFLOWER & GRASS MIX |
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PERENNIALS

- | | | |
|--|---------|--------------------------|
| | LIA SPI | BLAZING STAR |
| | ASC TUB | BUTTERFLY MILKWEED |
| | COR ESN | EARLY SUNRISE TICKSEED |
| | STA BYZ | LAMB'S EAR |
| | ECH MAG | MAGNUS PURPLE CONEFLOWER |
| | BAP XPL | PLUM ROSY FALSE INDIGO |
| | NEP WLO | WALKER'S LOW CATMINT |



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STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE
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OF THE ALTERATION.

BOYKIN ROAD
PARK - PARK
IMPROVEMENTS

CONSTRUCTION
DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Apv	By	Date

LANDSCAPE PLAN -
NORTH

Designed By: SDW	Drawn By: JM	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: 1" = 10'

GENERAL NOTES

1. EXISTING ECOLOGY AND AESTHETICS WILL OFTEN CAUSE ADJUSTMENT OF THESE PLANS TO FIT THE SITE. STAKE-OUT BY THE CONTRACTOR AND ADJUSTMENT BY THE LANDSCAPE ARCHITECT IS ABSOLUTELY NECESSARY.
2. LOCATIONS OF THOSE UTILITIES SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS, AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM THE FAILURE TO DO SO. CONTACT GEORGIA DIG SAFE AT 811 AT LEAST 72 BUSINESS HOURS PRIOR TO COMMENCING CONSTRUCTION.
3. CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT IF PROPOSED DESIGN IS IN CONFLICT WITH EXISTING OR PROPOSED UTILITIES. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ADJUST PROPOSED DESIGN OR UTILITIES AS NECESSARY TO RESOLVE CONFLICTS.
4. BASE PLAN DATA DERIVED FROM SITE SURVEY.
PROVIDED BY EMC ENGINEERING, DATED APRIL 23, 2024

PLANTING NOTES

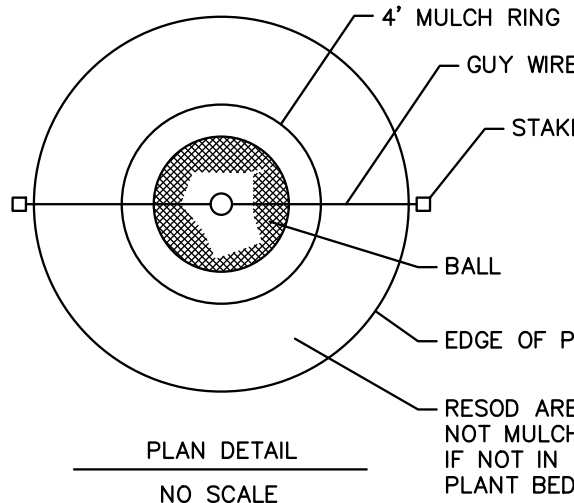
1. PLANTS LABELED NIC ARE NOT IN CONTRACT AND ARE NOT A PART OF THIS PHASE OF WORK.
2. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOWS OR EXCEEDS A CODE OF STANDARDS C-504. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTING. IF THE SOIL AT GIVEN AREA DOES NOT DRAIN PROPERLY, A PVC DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTINGS RELOCATED.
3. ALL PLANTS SHALL HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDamAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
4. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PER CENT OF THIS YEARS VERTICAL GROWTH (TOP CANDLE).
5. THE LANDSCAPE CONTRACTOR IS HEREBY NOTIFIED OF THE EXISTENCE OF UNDERGROUND UTILITIES WITHIN THE LIMITS OF THE PROJECT AREA. THE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCEMENT OF DIGGING OPERATIONS.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO OPENING ANY PLANTING PITS.
7. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL DO PERCOATION TEST AS DETAILED ON DETAIL C-504. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTING. IF THE SOIL AT GIVEN AREA DOES NOT DRAIN PROPERLY, A PVC DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTINGS RELOCATED.
8. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PANS, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS. OTHERWISE, THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE FOR PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
9. PLANTING PITS FOR TREE AND SHRUBS SHALL BE PREPARED AS PER DETAILS.
10. DOUBLE HAMMERED SHREDED HARDWOOD MULCH SHALL BE APPLIED TO ALL SHRUB BEDS BY THE CONTRACTOR. BEDS SHALL BE TREATED WITH PREEMERGENT HERBICIDE BY THE CONTRACTOR BEFORE MULCH IS APPLIED. SHREDED HARDWOOD MULCH SHALL BE TWO INCHES DEEP. A SAMPLE OF SHREDED HARDWOOD MULCH SHALL BE PRESENTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
11. ALL TREES ARE TO BE STAKED IMMEDIATELY AFTER PLANTING AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF STAKING HOSES, ETC., AT THE END OF THE ONE YEAR GUARANTEE PERIOD.
12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE SITE AT THE COMPLETION OF THE PROJECT AND SHALL MAINTAIN THE SITE IN A REASONABLY NEAT AND CLEAN STATE THROUGHOUT THE INSTALLATION PROCESS. STREETS AND PAVED AREAS SHALL BE CLEANED REGULARLY TO REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS RESULTING FROM WORK OF THE PROJECT.
13. PLANTS SHALL BE GUARANTEED FOR THE DURATION OF ONE (1) FULL YEAR AFTER THE FINAL ACCEPTANCE OF THE PLANTING BY THE OWNER AND SHALL BE ALIVE AND IN SATISFACTORY GROWTH AT THE END OF THE GUARANTEE PERIOD. ANY PLANT NOT IN A HEALTHY AND VIGOROUS STATE AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO COST TO THE OWNER, PLANTS SEVERELY DAMAGED BY VANDALS ARE NOT SUBJECT TO REPLACEMENT BY THE CONTRACTOR DURING THE ONE YEAR GUARANTEE PERIOD.
14. REPLACEMENTS OF DEAD OR UNSATISFACTORY MATERIAL SHALL BE MADE AS SPECIFIED IN THE PLANT LIST. THE OWNER OR LANDSCAPE ARCHITECT SHALL INSPECT REPLACED PLANTS WHEN ALL REPLACEMENTS HAVE BEEN MADE. REPLACEMENTS ARE TO BE ALIVE AND IN A HEALTHY CONDITION WHEN THE REPLACEMENTS ARE COMPLETE, AND SHALL BE SUBJECT TO A ONE (1) YEAR GUARANTEE FROM THE DATE OF SATISFACTORY REPLACEMENT.
15. SHOULD THE CONTRACTOR NOT MAKE REPLACEMENTS IN A SATISFACTORY AND TIMELY FASHION IN ACCORD WITH THE PLANTING NOTES, THE OWNER, AFTER PROPER NOTIFICATION TO THE CONTRACTOR MAY UTILIZE THE FUNDS OF THE RETAINAGE TO HAVE THE REPLACEMENTS MADE IN ACCORD WITH THE SPECIFICATIONS BY ANOTHER CONTRACTOR.
16. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OR UNATTENDED OVERNIGHT.
17. PLANT MATERIAL QUANTITIES PROVIDED IN THE PLANT LIST ARE FOR REFERENCE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL PLANT MATERIAL COUNTS. DISCREPANCIES BETWEEN QUANTITIES SHOWN ON THE PLANTING PLAN AND THOSE IN THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. IF CLARIFICATION OF DISCREPANCIES FROM THE LANDSCAPE ARCHITECT IS NOT POSSIBLE, THEN QUANTITIES SHOWN ON THE PLANTING PLAN SHALL TAKE PRECEDENCE.

AUGUSTA TREE PLAN NOTES

1. ALL REQUIRED TREES ARE RECOMMENDED TO BE GROWN WITHIN ONE CLIMATIC ZONE OF AUGUSTA, GA
2. TREES PLANTED FOR CANOPY COVER CREDIT SHALL MEET QUALITY AND SIZE STANDARDS AS DESCRIBED IN THE ANSI Z60.1 AMERICAN STANDARD FOR NURSERY STOCK DATED 1990 AND PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AS OFFICIALLY REVISED AND AMENDED FROM TIME TO TIME. ALL TREES SHALL BE PER IGO LIST.
3. ALL TREES SELECTED FOR PLANTING SHOULD BE OF URBAN TOLERANT SPECIES AND SUITABLE FOR THE SITE CONDITIONS OF PLANTING LOCATION, INCLUDING GROWING SPACE LIMITS, SOIL MOISTURE, SOIL VOLUME, AND CLASSIFIED AS WATER WISE PLANT ONECE ESTABLISHED. ALL TREES SHALL BE PER IGO LIST.
4. ALL REQUIRED TREES SHALL BE NURSERY GROWN, TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL, DENSELY DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. TREES SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, FREE FROM DISFIGURING KNOTS, FREE FROM SUN SCALD INJURIES, FROST CRACKS AND/OR ABRASIONS OF THE BARK, AND BE FREE FROM PLANT DISEASES, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL TREES SHALL HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACE. TREES SHALL NOT BE LOOSE IN THE CONTAINER OR ROOT BALL. IT IS RECOMMENDED THAT DUG TREES SHALL HAVE BEEN ROOT PRUNED AT LEAST ONCE.
5. ALL REQUIRED TREES SHALL HAVE STRAIGHT, SINGLE CENTRAL LEADERS. TREES THAT HAVE THE MAIN TRUNK FORMING A "Y" SHAPE ARE NOT ACCEPTABLE. TREES THAT ARE NOT FULLY BRANCHED WILL NOT BE ACCEPTED. TREES SHALL HAVE NO BARK DAMAGE AND SHALL NOT BE LEANING OR HAVE SIGNIFICANT SWEEP, CROOK OR BEND. TREES SHALL HAVE A MINIMUM THREE INCH (3") CALIPER AND SHALL HAVE NO BRANCH MORE THAN 1/5 THE DIAMETER OF THE MAIN LEADER AND SHALL HAVE A STRAIGHT UNBRANCHED TRUNK TO SIX FEET (6'). TREES SPECIFIED AS "MULTI-STEMMED" SHALL HAVE A MINIMUM OF THREE (3) AND A MAXIMUM OF FIVE (5) SEPARATE CANES A MINIMUM OF ONE INCH (1") CALIPER EACH COMING FROM THE ROOT BALL AND PRUNED INTO TREE FORM WITH NO BRANCHES ON THE LOWER HALF OF THE TREE. MULTIPLE PLANTS SHALL NOT BE USED AS A "MULTI-STEMMED" PLANT.
6. ALL REQUIRED TREES SHALL BE SET IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT, AND SHALL BE SET UPRIGHT, PLUMB AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO OTHER TREES. EACH TREE SHALL BE SET ONE TO TWO INCHES (1-2") ABOVE THE FINISH GRADE AND BACKFILL SHALL BE BROUGHT EVEN WITH THE TOP OF THE ROOT BALL. NO FILL SHALL BE PERMITTED ATOP THE ROOT BALL.
8. ALL BURLAP, ROPES, STRAPS AND WIRES SHALL BE REMOVED FROM THE ROOT BALL, IF IT IS NOT POSSIBLE TO REMOVE THE BURLAP AND WIRE FROM THE BOTTOM OF THE ROOT BALL, THE BURLAP AND WIRE SHALL BE CUT AWAY FROM THE SIDES AND REMOVED FROM THE HOLE.
9. AFTER REQUIRED TREES ARE SET, THE BACKFILL SHALL BE MULDIED AROUND THE BASE OF THE ROOT BALL AND ALL VOIDS SHALL BE FILLED. ALL REQUIRED TREES SHALL HAVE THEIR PLANTING PITS MULCHED WITH APPROVED MULCHING MATERIAL IMMEDIATELY AFTER PLANTING. THE MULCHED AREAS SHALL BE THOROUGHLY WATER. NOTE: MULCH SHALL BE PLACED TO A MAXIMUM THICKNESS OF THREE INCHES (3") NO MULCH WITHIN EIGHT INCHES (8") OF TRUNK OF TREE.
10. IF STAKING AND SUPPORTS HAVE BEEN INSTALLED ON THE REQUIRED TREE(S), ALL STAKING AND SUPPORTS SHALL BE REMOVED AFTER ONE GROWING SEASON.
11. AS A GENERAL RULE, THE FOLLOWING GUIDELINES FOR TREE DIVERSITY WITHIN THE TREE PLANTING SITE AND POPULATION SHOULD BE ADHERED TO: 1) PLANT NO MORE THAN TEN PERCENT (10%) OF ANY SPECIES; AND NO MORE THAN TWENTY PERCENT (20%) OF ANY GENUS; AND NO MORE THAN THIRTY PERCENT (30%) OF ANY FAMILY.
12. NO LIGHTING CAN BE WITHIN TWENTY FEET (20') OF A REQUIRED TREE OR WITHIN A REQUIRED LANDSCAPE ISLAND.
13. LIGHTING ON THE ELECTRICAL PLAN MUST BE CONSISTENT WITH LIGHTING DELINEATED ON THE TREE PROTECTION / TREE ESTABLISHMENT PLAN; IF CONFLICTS BETWEEN THE TWO PLANS ARISE, THE LIGHTING ON THE TREE PROTECTION / TREE ESTABLISHMENT PLAN SUPERSEDES LIGHTING ON THE ELECTRICAL PLAN.
14. NO SIGNS, WITH THE EXCEPTION OF SMALL DIRECTIONAL SIGNS (THESE SIGNS MAY NOT EXCEED THIRTY INCHES (30") IN HEIGHT NOR MORE THAN FOUR SQUARE FEET (4 SQ. FT.) IN AREA), MAY BE LOCATED WITHIN TWENTY FEET (20') OF A REQUIRED TREE OR WITHIN REQUIRED LANDSCAPE ISLANDS.
15. NO BICYCLE RACKS, FIRE HYDRANTS, UTILITY BOXES, TRANSFORMERS OR OTHER SITE APPURTENANCES MAY BE LOCATED IN REQUIRED LANDSCAPE ISLANDS.
16. A PERMANENT WATER SOURCE MUST BE WITHIN ONE HUNDRED FEET (100') OF ALL REQUIRED TREES.
17. NO NEW UTILITIES (OVERHEAD OR UNDERGROUND) MAY BE LOCATED DIRECTLY ABOVE OR BELOW EXISTING OR PROPOSED TREE LOCATIONS. PROPOSED UTILITIES MUST BE ROUTED AWAY FROM ALL REQUIRED TREES ON THIS SITE.

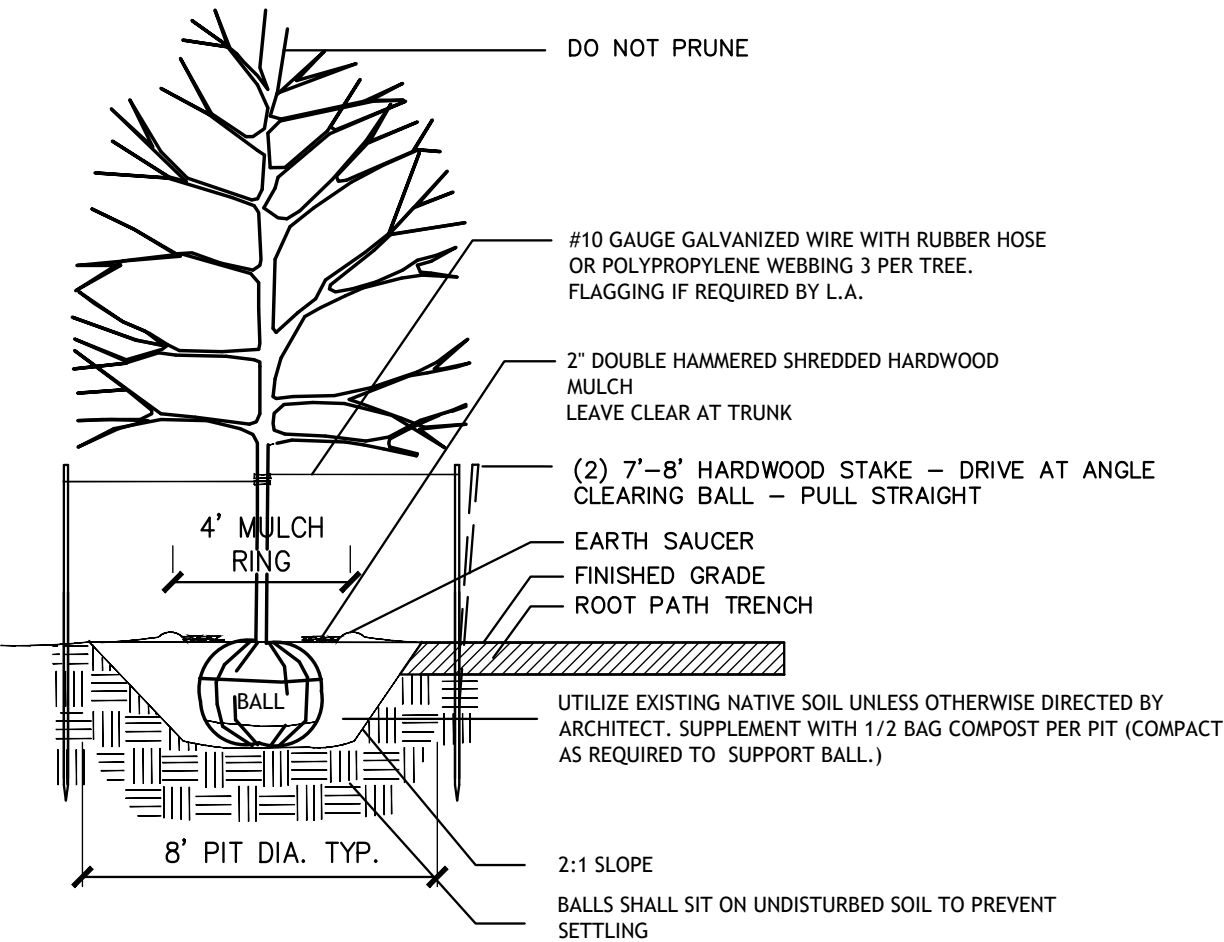
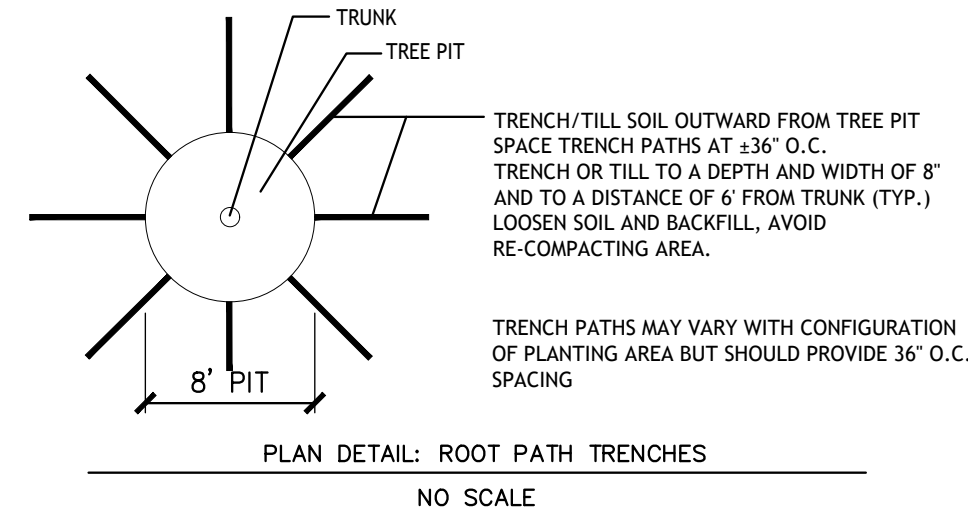
PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	F
TREES							
	CAR AME	6	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	3" CAL.	B&B	6
	CER EAS	4	CERCIS CANADENSIS	EASTERN REDBUD MULTI-TRUNK	3" CAL.	B&B	2
	CHI VIR	3	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	3" CAL.	B&B	6
	COR FLO	6	CORNUS FLORIDA	FLOWERING DOGWOOD	3" CAL.	B&B	4
	ILE SCP	52	ILEX VOMITORIA 'SCARLET'S PEAK'	SCARLET'S PEAK YAUPOH HOLLY	5'-6" HT.	B&B	6
	JUN TAY	6	JUNIPERUS VIRGINIANA 'TAYLOR'	TAYLOR EASTERN REDCEDAR	5'-6" HT.	B&B	6
	LAG WHI	5	LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ'	NATCHEZ GRAPE MYRTLE MULTI-TRUNK	3" CAL.	B&B	4
	NYS WIL	8	NYSSA SYLVATICA 'WILDFIRE'	WILDFIRE TUPELO	3" CAL.	B&B	6
	PIS CHI	4	PISTACIA CHINENSIS	CHINESE PISTACHE	3" CAL.	B&B	6
	QUE RUB	9	QUERCUS RUBRA	NORTHERN RED OAK	3" CAL.	B&B	6
	ULM ALL	5	ULMUS PARVIFOLIA 'ALLEE'	ALLEE@ LACEBARK ELM	3" CAL.	B&B	6
SHRUBS							
	BUD MVL	12	BUDDLEJA X 'MISS VIOLET'	MISS VIOLET BUTTERFLY BUSH	3 GAL.		
	BUD PHA	18	BUDDLEJA X 'PURPLE HAZE'	LO & BEHOLD@ PURPLE HAZE BUTTERFLY BUSH	3 GAL.		
	KOL AMA	8	KOLKWTZIA AMABILIS	BEAUTY BUSH	3 GAL.		
	RHU GRO	29	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	3 GAL.		
	SPI BRI	1	SPIRAEA PRUNIFOLIA 'BRIDAL WREATH'	BRIDAL WREATH SPIREA	3 GAL.		
ORNAMENTAL GRASSES							
	CAL KA2	139	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL.		
	MUH WHI	103	MUHLENBERGIA CAPILLARIS 'WHITE CLOUD'	WHITE CLOUD MUHLY GRASS	1 GAL.		
	PAN SH2	60	PANICUM VIRGATUM 'SHENDANODAH'	SHENDANODAH SWITCH GRASS	1 GAL.		
SYMBOL CODE QTY BOTANICAL NAME COMMON NAME SIZE CONTAINER SPACING F							
	ERN OTT	13,096 SF		NATIVE WILDFLOWER & GRASS MIX	---		
	ZOY JAP	26,355 SF		ZOYSIA JAPONICA	---		
PERENNIALS							
	ASC TUB	16	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	1 GAL.		18" o.c.
	BAP XPL	25	BAPTISIA X 'PLUM ROSY'	PLUM ROSY FALSE INDIGO	1 GAL.		12" o.c.
	COR ESN	17	COREOPSIS GRANDIFLORA 'EARLY SUNRISE'	EARLY SUNRISE TICKSEED	1 GAL.		18" o.c.
	ECH MAG	52	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS PURPLE CONEFLOWER	1 GAL.		12" o.c.
	LIA SPI	53	LIATRIS SPICATA	BLAZING STAR	1 GAL.		12" o.c.
	NEP WLO	60	NEPETA X 'WALKER'S LOW'	WALKER'S LOW CATMINT	1 GAL.		24" o.c.
	STA BYZ	5	STACHYS BYZANTINA	LAMB'S EAR	1 GAL.		18" o.c.



NOTES:

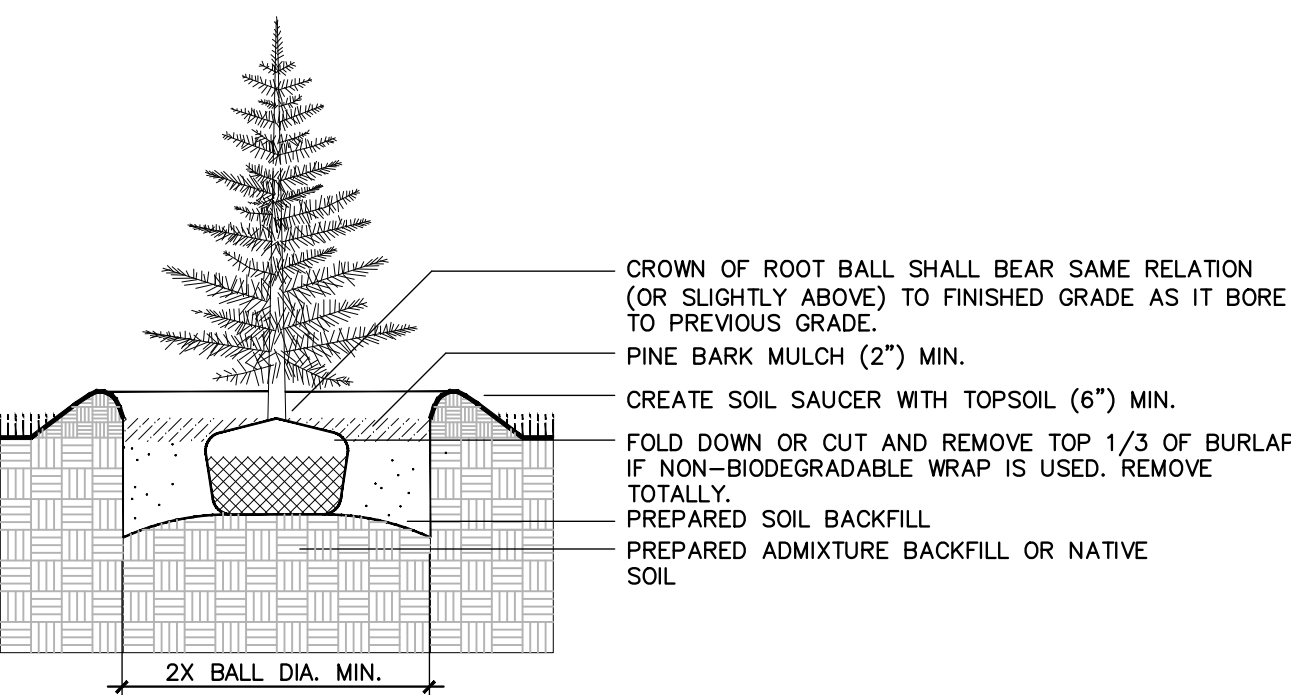
1. TEST FOR PERCOLATION PRIOR TO PLANTING.
2. WATER AFTER PLANTING.
3. DO NOT WRAP TREES
4. REMOVE BURLAP/STRAPPING AND WIRE FROM TOP 1/3 OF ROOT BALL.
5. DIG TREE PIT WITH BACKHOE OR SIMILAR EQUIPMENT.
6. NO TREE IS TO BE PLANTED LOWER THAN THE ELEVATION THAT THE TREE WAS GROWN AT THE NURSERY. REMOVE BUILT UP SOIL AS NECESSARY.



1 TREE PLANTING DETAIL

PLAN AND SECTION

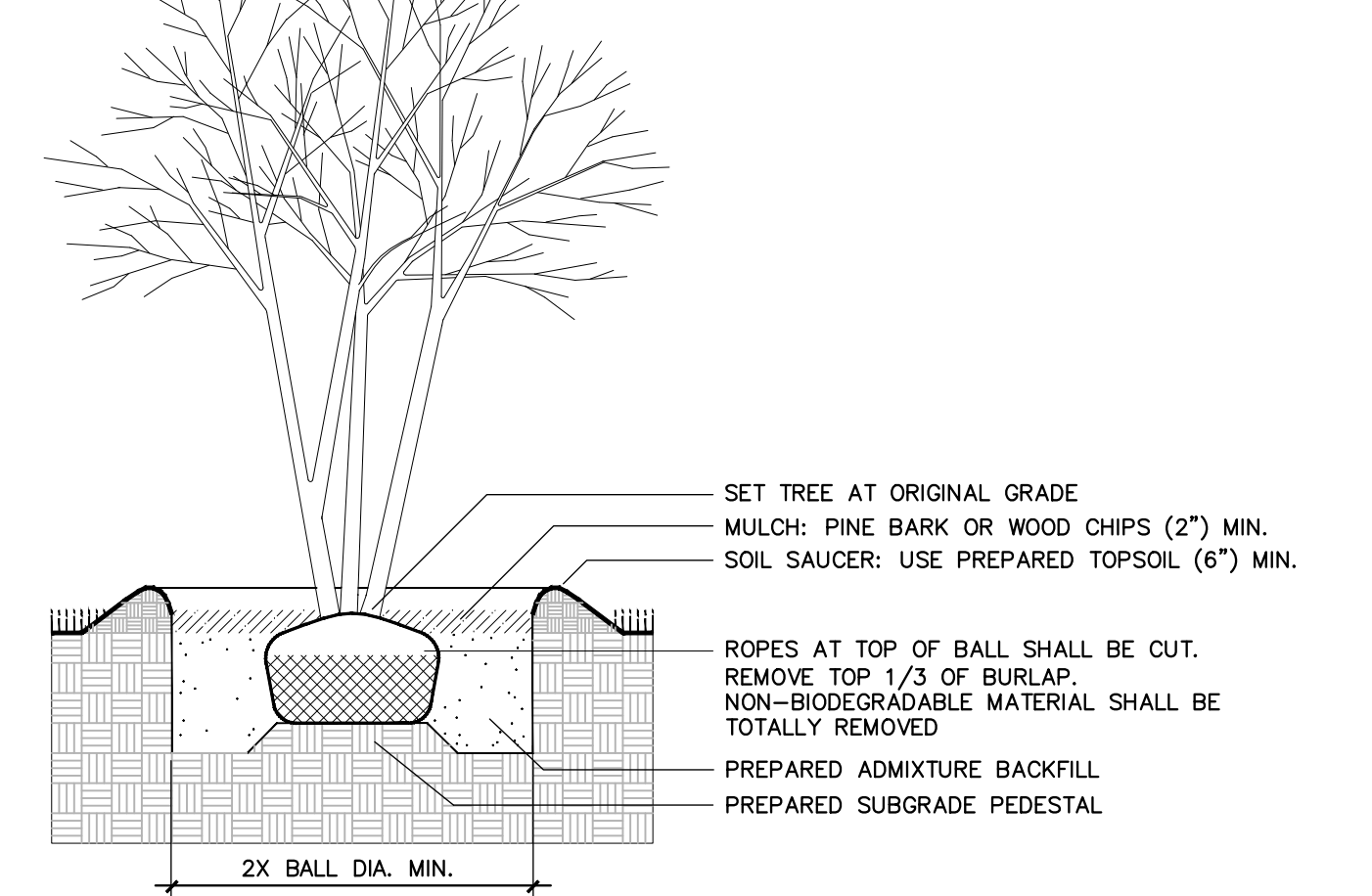
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2 CONIFEROUS TREE PLANTING

SECTION

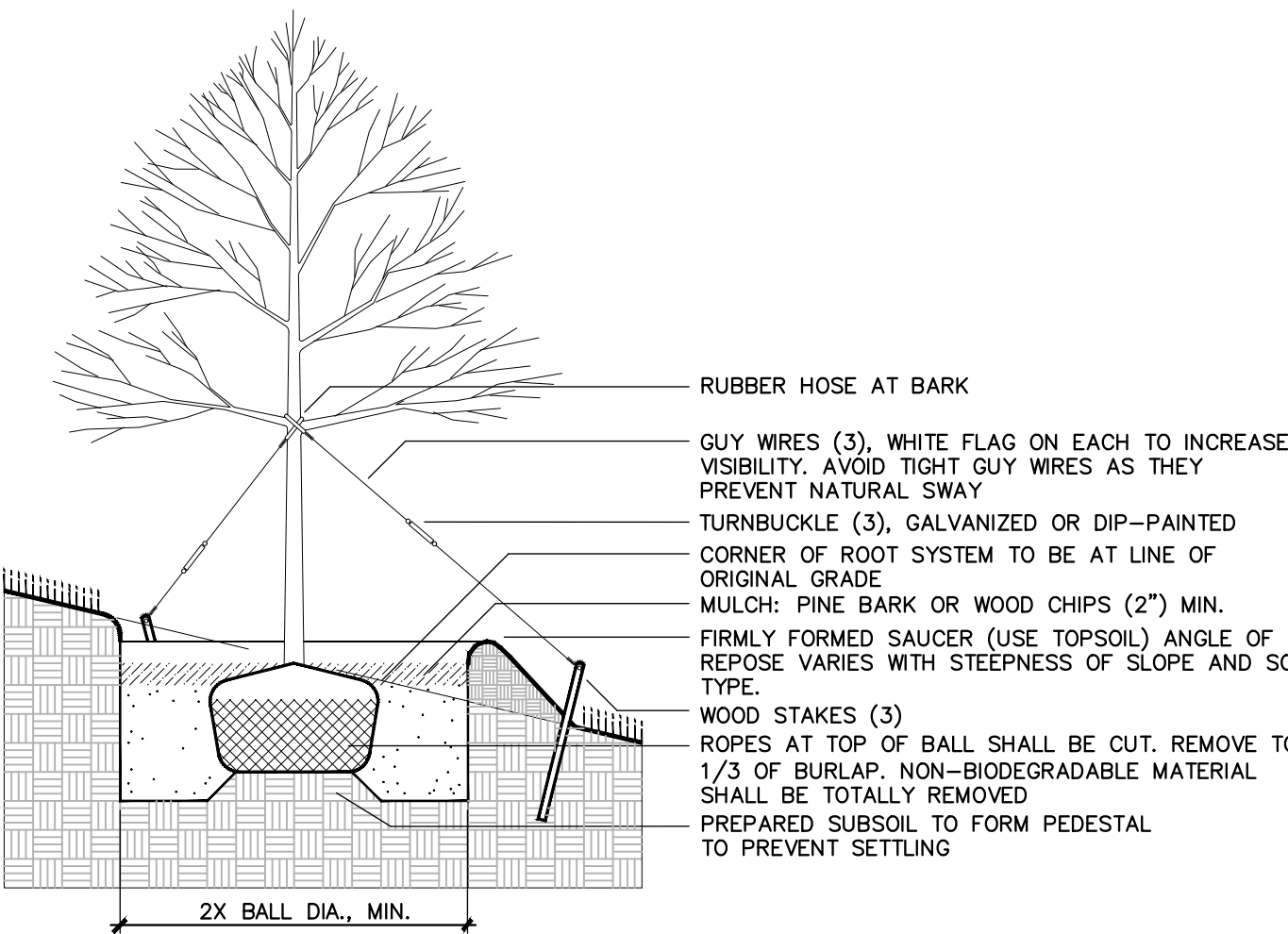
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3 DECIDUOUS MULTI-STEM TREE PLANTING

SECTION

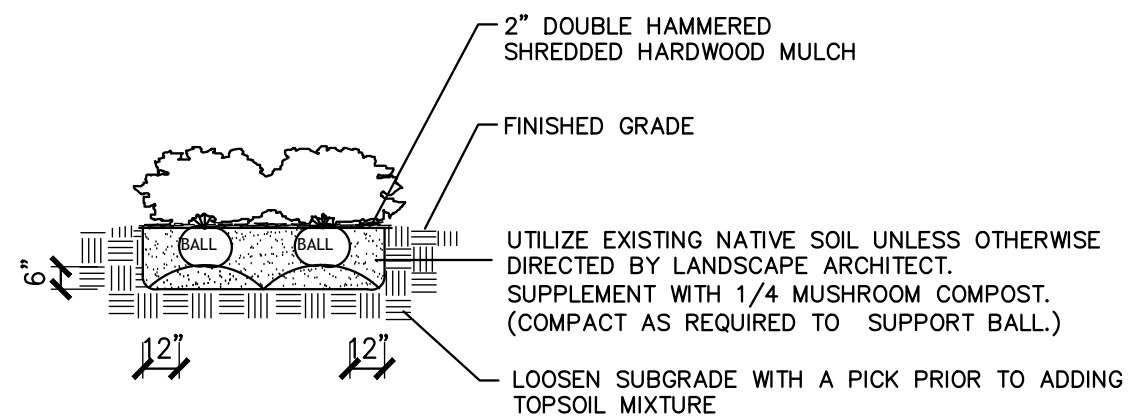
SCALE: N.T.S.



4 TREE PLANTING ON SLOPE

SECTION

SCALE: N.T.S.



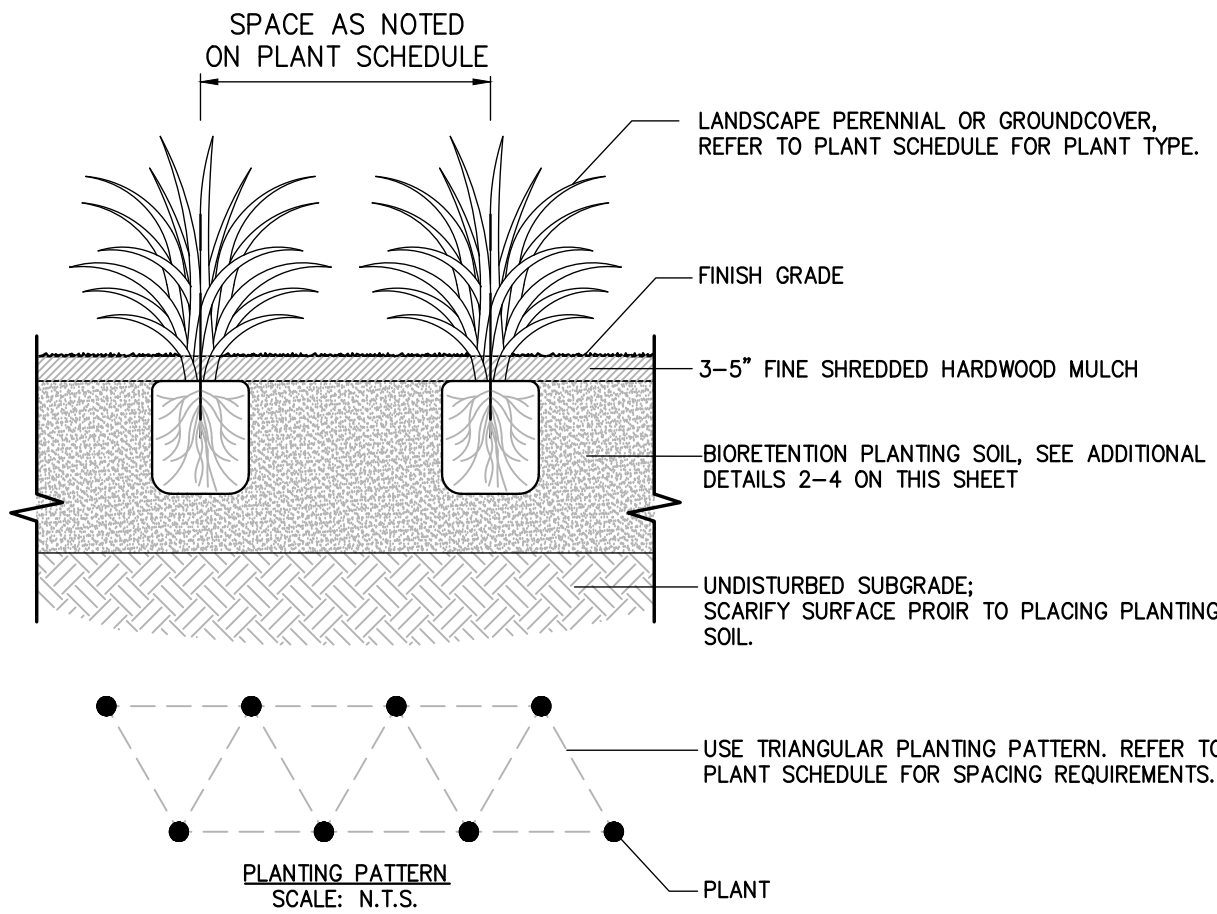
NOTES:

1. TEST FOR PERCOLATION PRIOR TO PLANTING.
2. REMOVE PAPER, PLASTIC OR METAL CONTAINER THAT MAY BE AROUND ROOTS
3. WATER AFTER PLANTING
4. DO BED PREPARATION ON ALL SHRUB & GROUND COVER AREAS

5 SHRUB PLANTING

SECTION

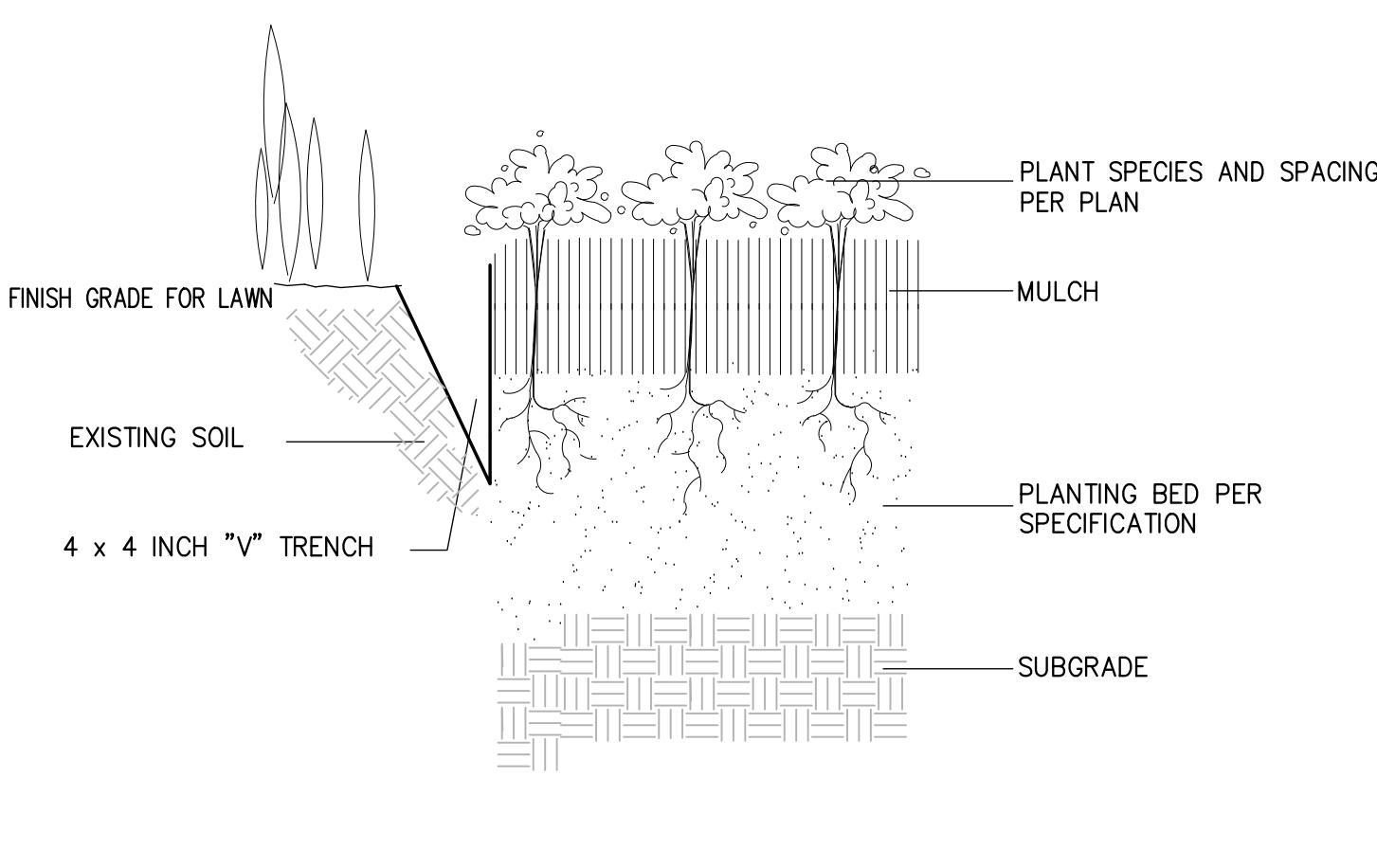
SCALE: N.T.S.



6 PERENNIAL / GROUND COVER PLANTING DETAIL

SECTION

SCALE: N.T.S.



7 "V" TRENCH EDGING DETAIL

SECTION

SCALE: N.T.S.

BOYKIN ROAD
PARK - PARK
IMPROVEMENTS

CONSTRUCTION
DOCUMENTS

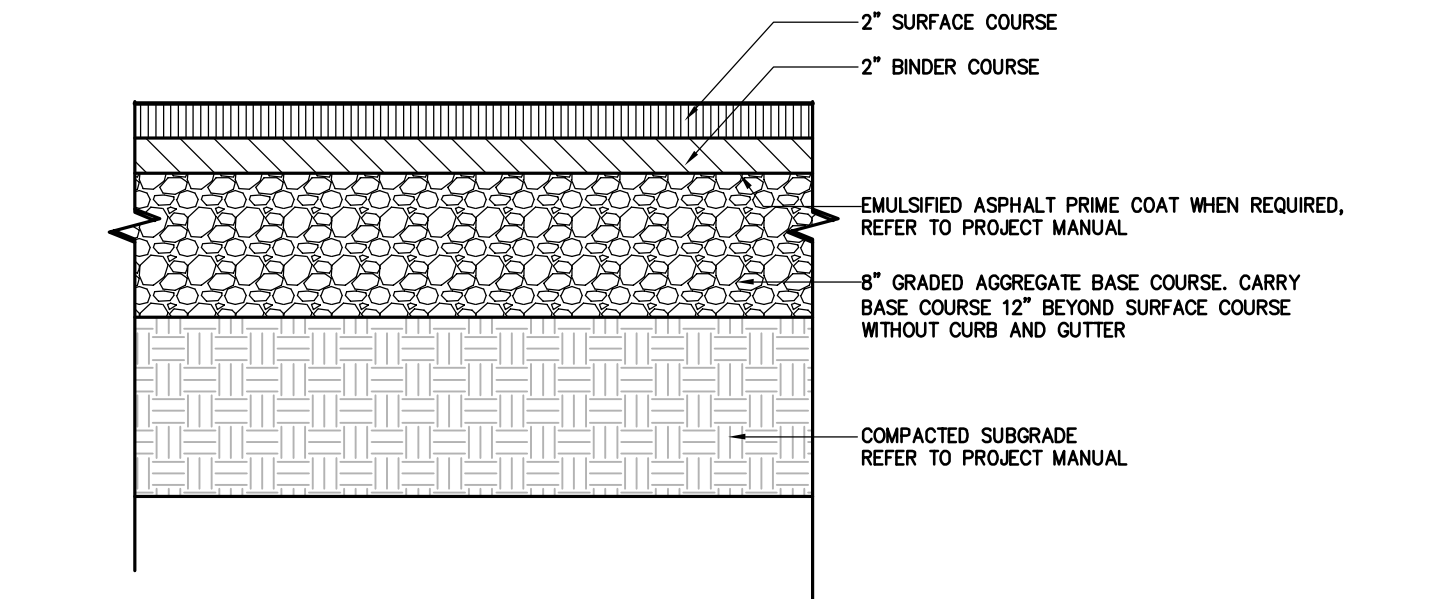
2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

LANDSCAPE DETAILS

No.	Submittal / Revision	Apv	By	Date

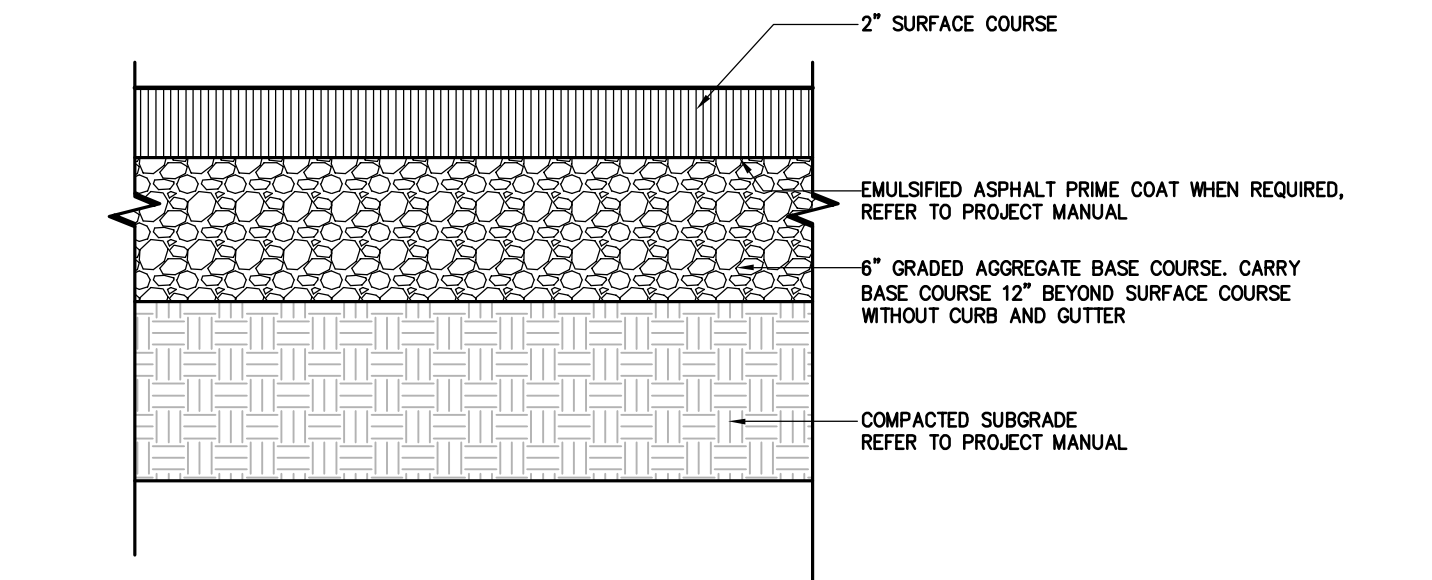
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Issue Date: 01/30/26	Project No.: 093489.000	Scale: AS SHOWN
Drawing No.: C-504		
Sheet 24 of 42		

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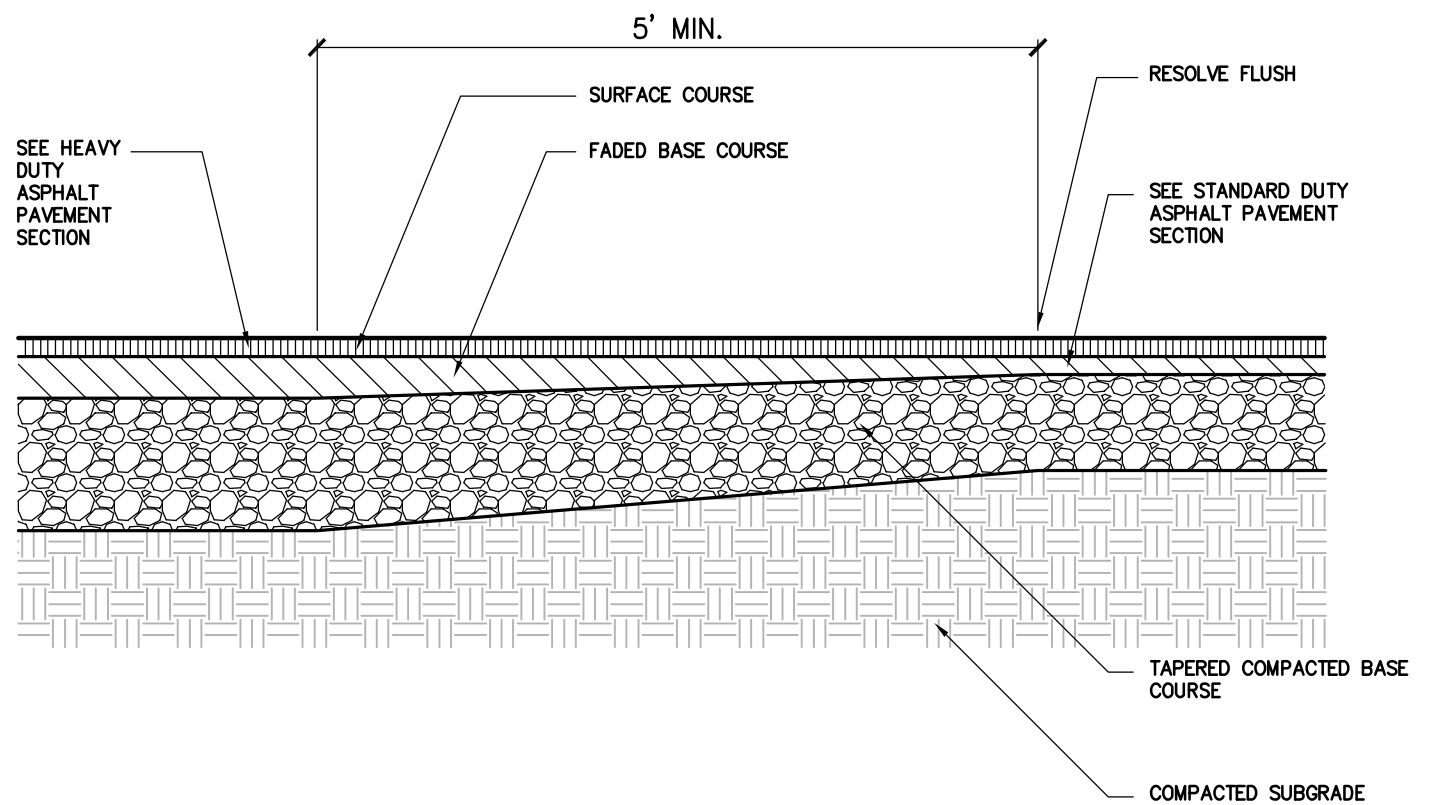
- GENERAL NOTES**
- EMULSIFIED ASPHALT PRIME COAT IS ONLY REQUIRED WHEN BASE IS ALLOWED TO SIT FOR PROLONGED PERIODS OF TIME AND EXPOSED TO INCLEMENT WEATHER.
 - SEE PROJECT MANUAL FOR OTHER REQUIREMENTS

1 Heavy Duty Asphalt Pavement
SECTION SCALE: NOT TO SCALE

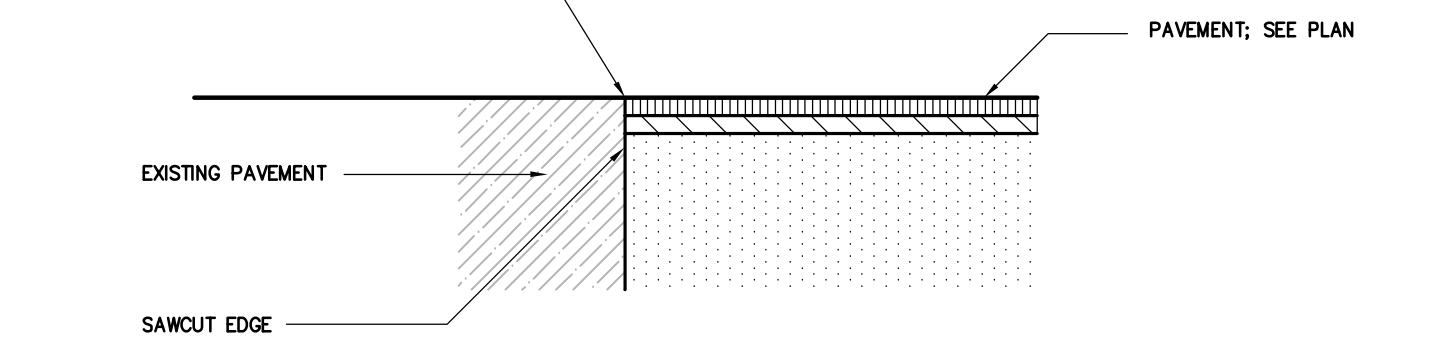


- GENERAL NOTES**
- EMULSIFIED ASPHALT PRIME COAT IS ONLY REQUIRED WHEN BASE IS ALLOWED TO SIT FOR PROLONGED PERIODS OF TIME AND EXPOSED TO INCLEMENT WEATHER.
 - SEE PROJECT MANUAL FOR OTHER REQUIREMENTS

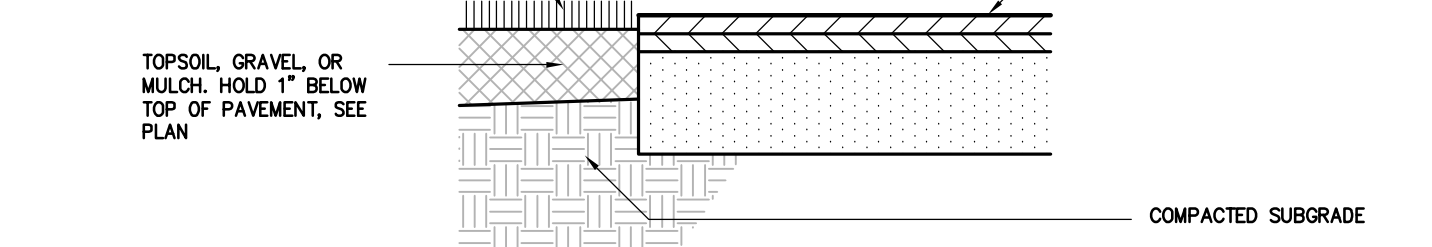
2 Standard Duty Asphalt Pavement
SECTION SCALE: NOT TO SCALE



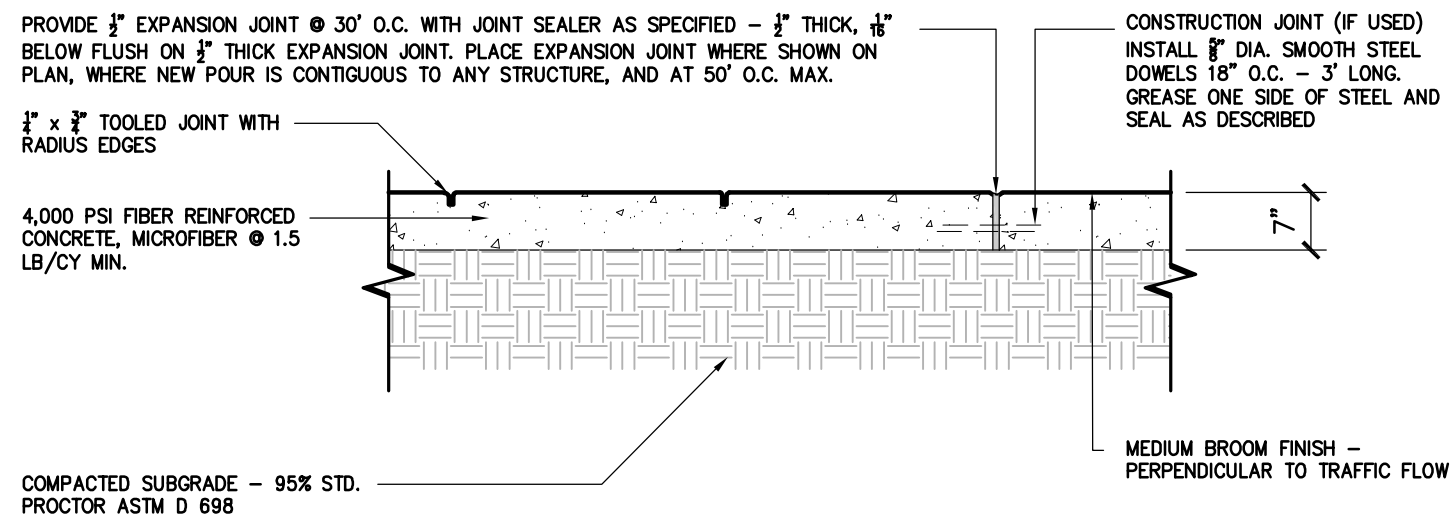
3 Heavy Duty Asphalt Paving at Standard Duty Asphalt Paving
SECTION SCALE: NOT TO SCALE



4 Pavement at Existing Pavement
SECTION SCALE: NOT TO SCALE

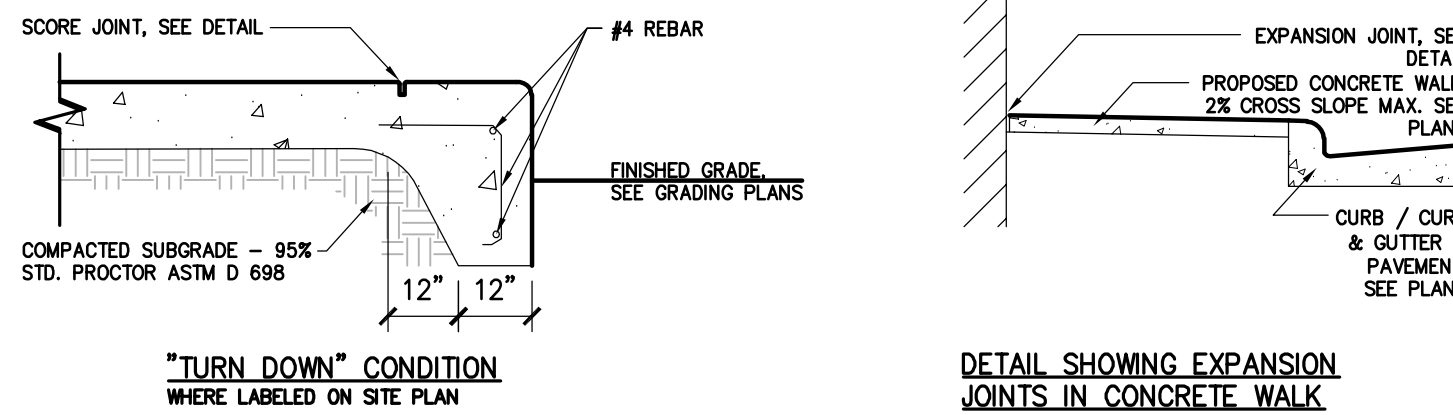
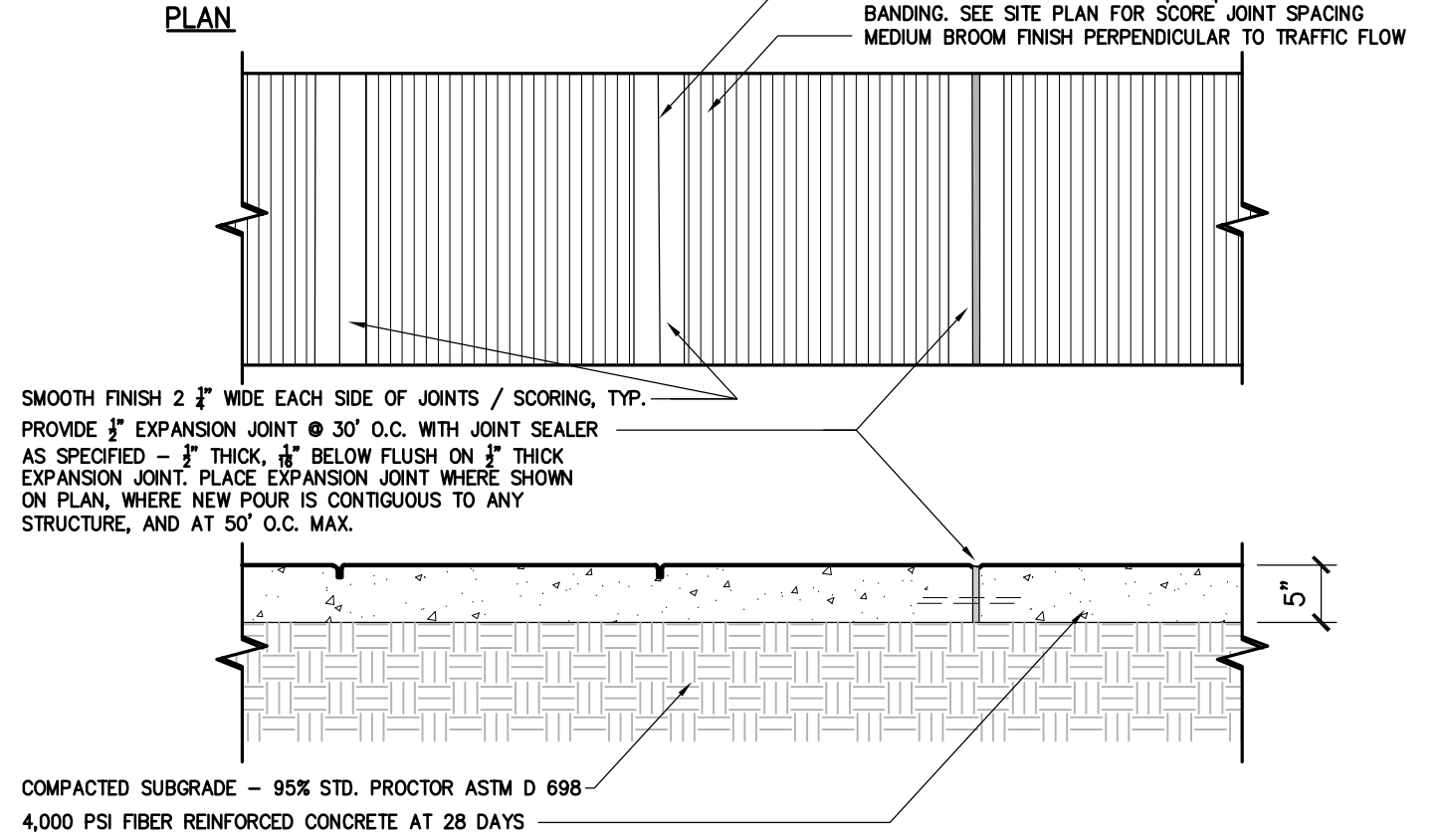


5 Pavement at Grade
SECTION SCALE: NOT TO SCALE



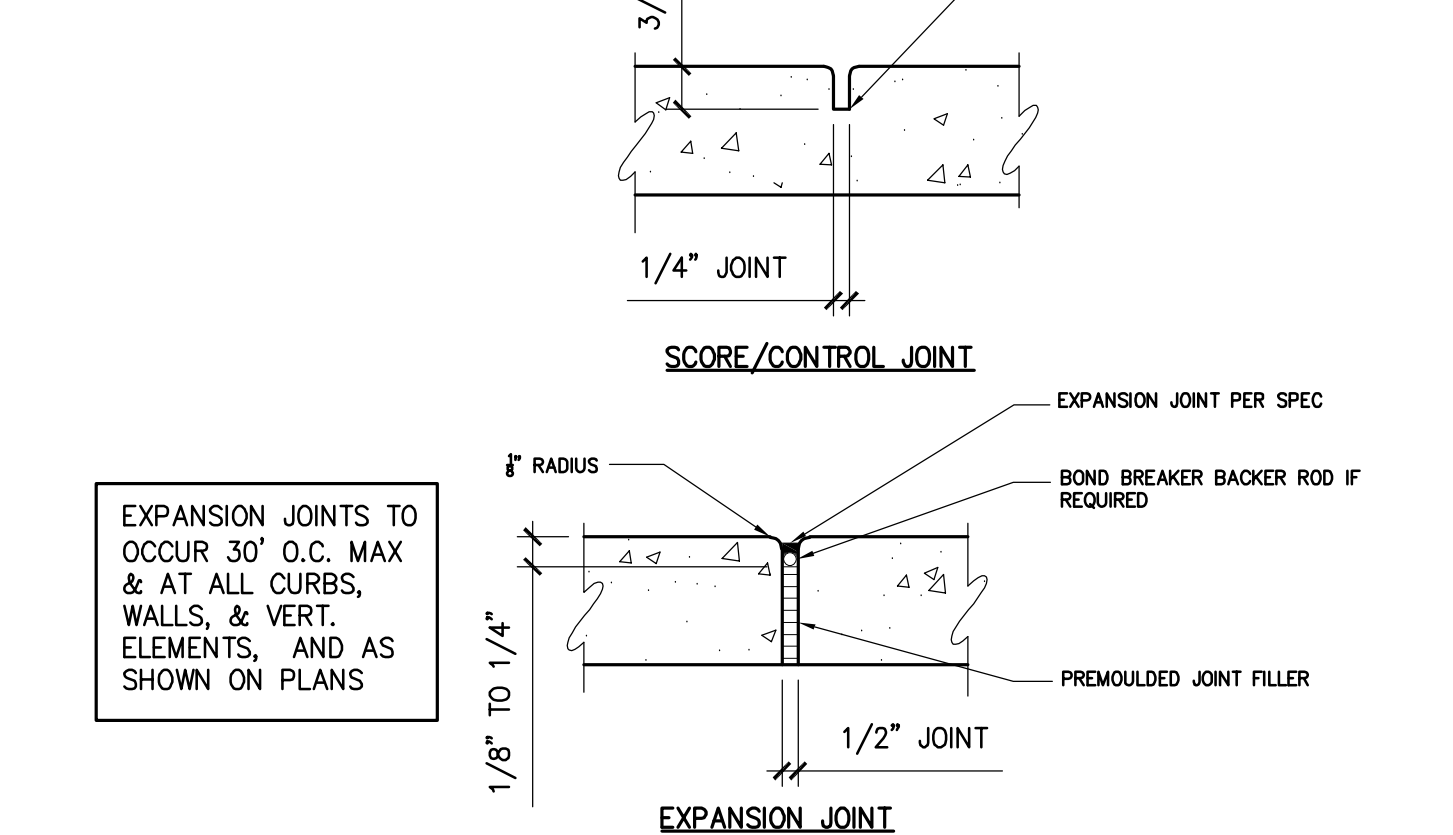
- GENERAL NOTES**
- CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 330.
 - CONTRACTOR TO SUBMIT JOINTING PLAN TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION PAVEMENT.

6 Heavy Duty Concrete Pavement
SECTION SCALE: NOT TO SCALE

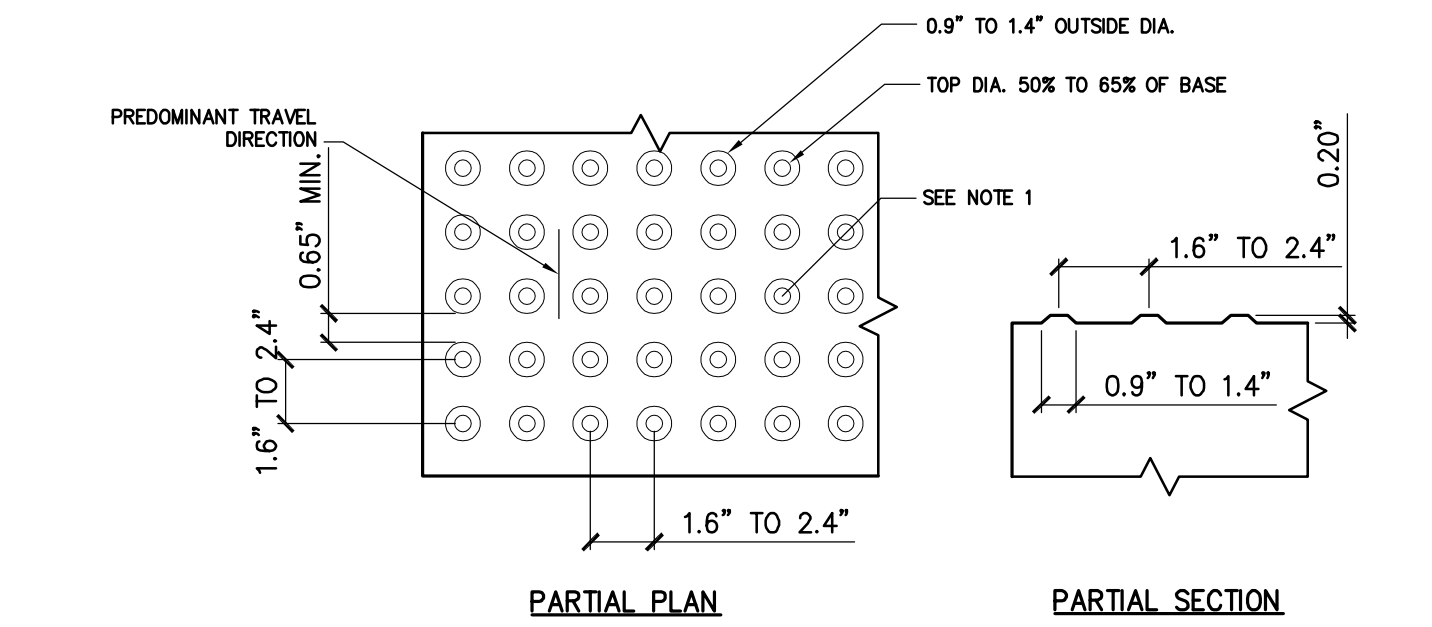


- GENERAL NOTES**
- JOINTS SHALL BE REQUIRED IN THE CONCRETE PAVING AT INTERVALS SHOWN ON THE PLAN AND PER APPLICABLE DETAILS. EXPANSION JOINTS WILL BE REQUIRED AT INTERVAL OF NOT MORE THAN 30' AND MATCHING EXPANSION / CONSTRUCTION JOINT IN ADJACENT CURB. A SEALED EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
 - CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI IN 28 DAYS.
 - ZONING CONDITIONS MAY REQUIRE ADDITIONAL WIDTH SIDEWALKS WHICH SHALL SUPERSEDE THESE STANDARD DIMENSIONS SHOWN.
 - LIDS FOR JUNCTION BOXES AND UTILITY VAULTS SHALL BE NON-SKID AS SPECIFIED BY THE ENGINEER.
 - JOINT MATERIALS SHALL LIMIT SHRINK / SWELL SO POST CONSTRUCTION INSTALLATION RESULTS IN A MAXIMUM OF 1/4" FROM FLUSH.

7 Standard Duty Concrete Pavement
PLAN AND SECTION SCALE: NOT TO SCALE

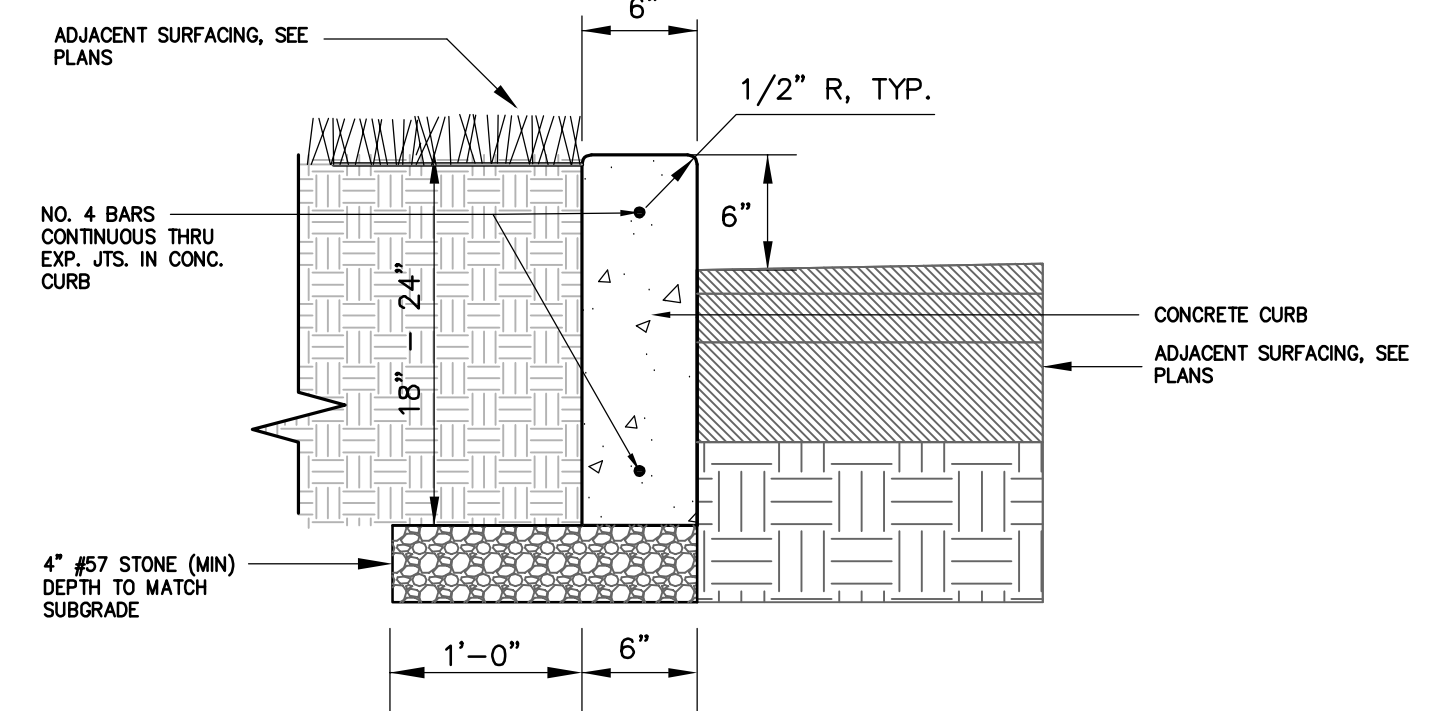


8 Concrete Score / Expansion Joints
SECTION SCALE: NOT TO SCALE



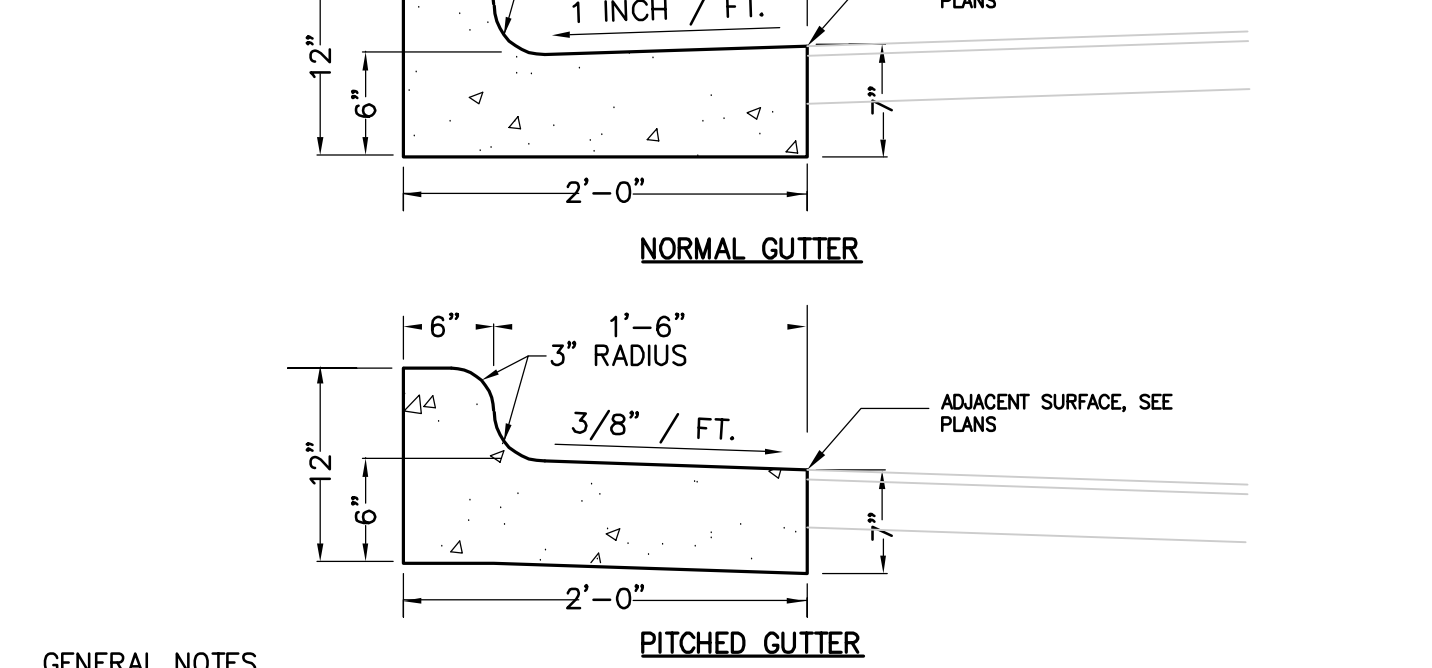
- GENERAL NOTES**
- THE TRUNCATED DOME SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING WALKING SURFACES DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE TRUNCATED DOME SURFACE.
 - THE DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP, OR FLUSH SURFACE AS INDICATED ON LAYOUT PLAN.
 - DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
 - DETECTABLE WARNING PLATES SHALL BE NENEAH FOUNDRY BOLTED PLATES, OR APPROVED EQUAL. PAINT COLOR: RED.

9 Detectable Warning Surface
PLAN AND SECTION SCALE: NOT TO SCALE



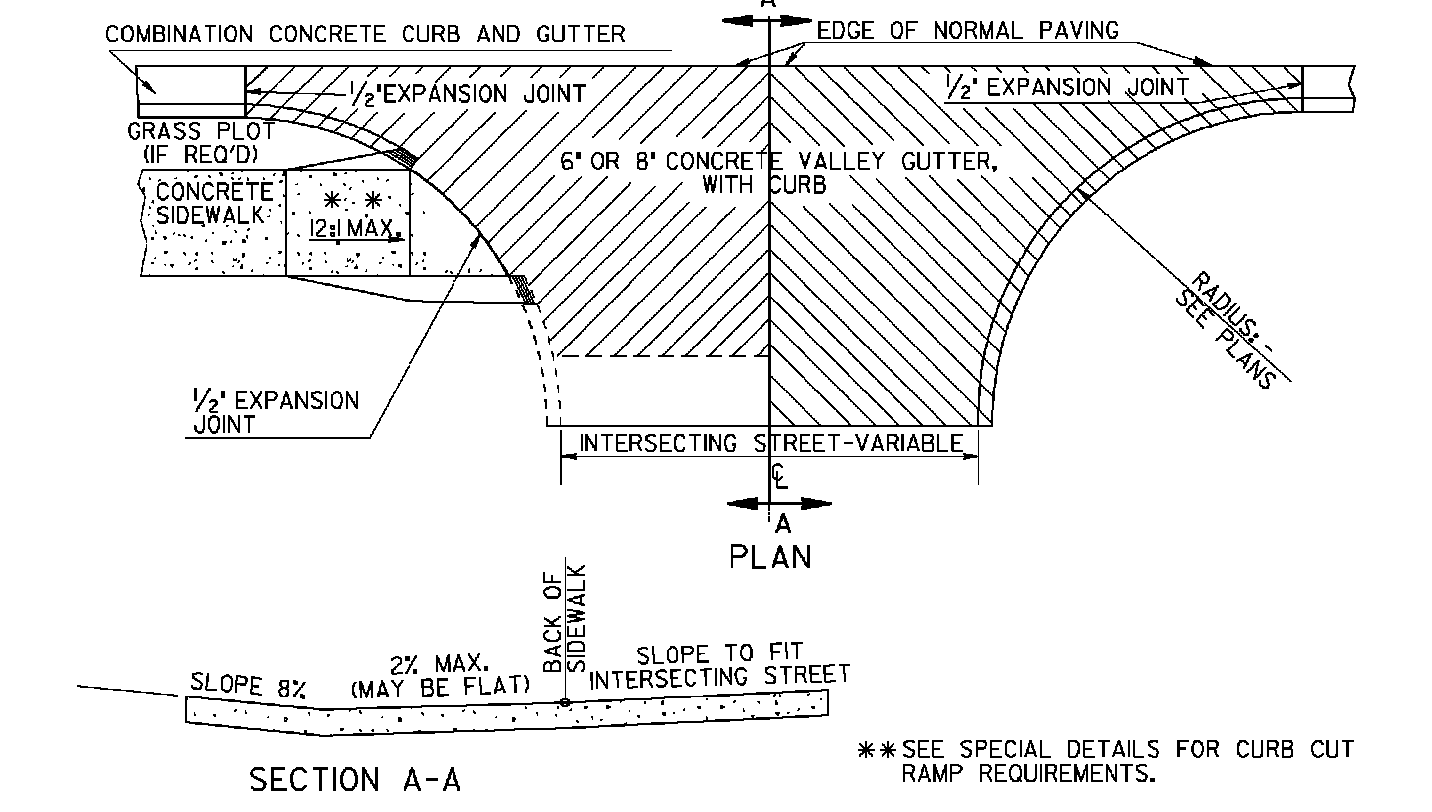
- GENERAL NOTES**
- PAVEMENT / GRAVEL / MULCH / SYNTHETIC SURFACING TO BE FLUSH WITH TOP OF CURB - SEE GRADING PLANS
 - PLAYGROUND ENGINEERED WOOD FIBER SURFACING TO BE 6" BELOW TOP OF CURB - SEE GRADING PLANS
 - PLACE 2" BITUMINOUS EXPANSION JOINT AT MAXIMUM 50' O.C. IN CURB

10 Vertical Concrete Curb
SECTION SCALE: NOT TO SCALE

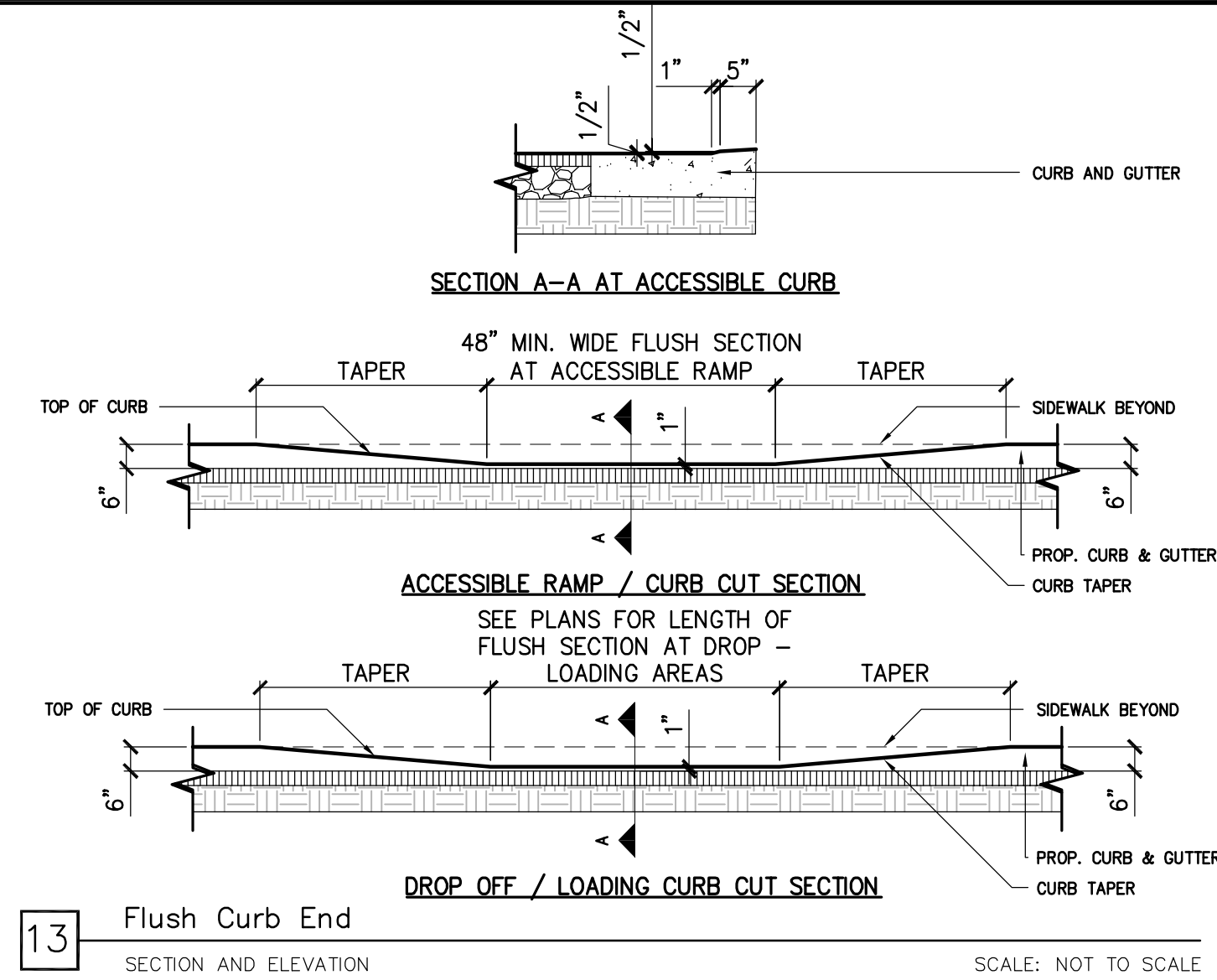


- GENERAL NOTES**
- BASE COMPACTION UNDER CURB TO BE 98% (ASTM D698)
 - CONTRACTION JOINTS TO BE SAW CUT NO LATER THAN 24 HOURS AFTER THE POUR.
 - SEE GRADING PLAN FOR PITCH DIRECTION OF ADJACENT ASPHALT PARKING LOT. USE NORMAL GUTTER WHERE CURB IS BEING USED TO CONVEY SURFACE FLOW RUNOFF. USE EDGED GUTTER WHERE SURFACE FLOW SLOPES AWAY FROM CURB, MOST LIKELY INSTANCES OF AN ISLAND BEING USED TO PROTECT A TREE, LANDSCAPE, OR FOR VEHICULAR CONTROL.

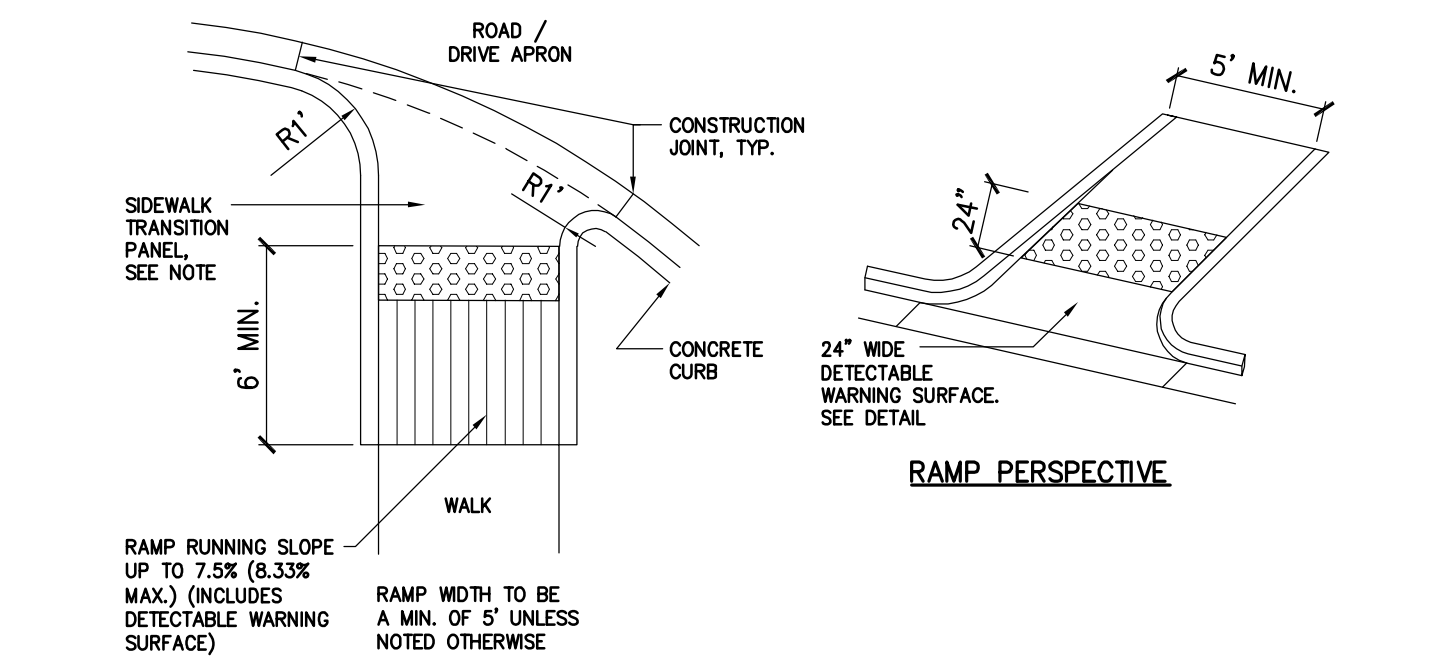
11 Concrete Curb and Gutter
SECTION SCALE: NOT TO SCALE



12 GDOT Concrete Valley Gutter with Curb Drive Entrance (A-02)
PLAN AND SECTION SCALE: NOT TO SCALE

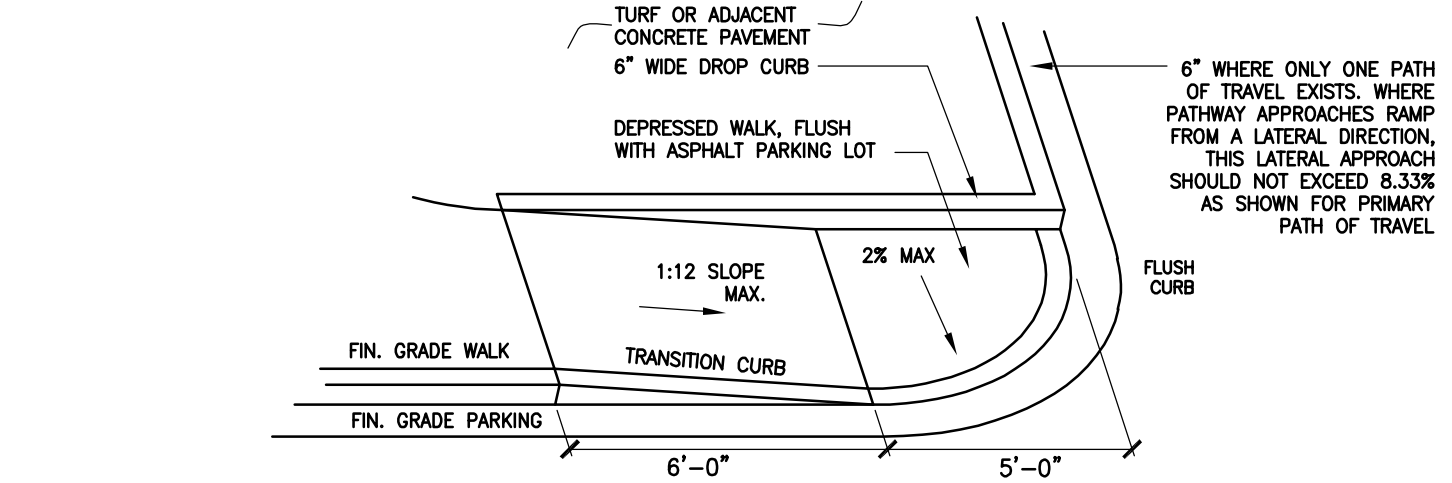


13 Flush Curb End
SECTION AND ELEVATION SCALE: NOT TO SCALE



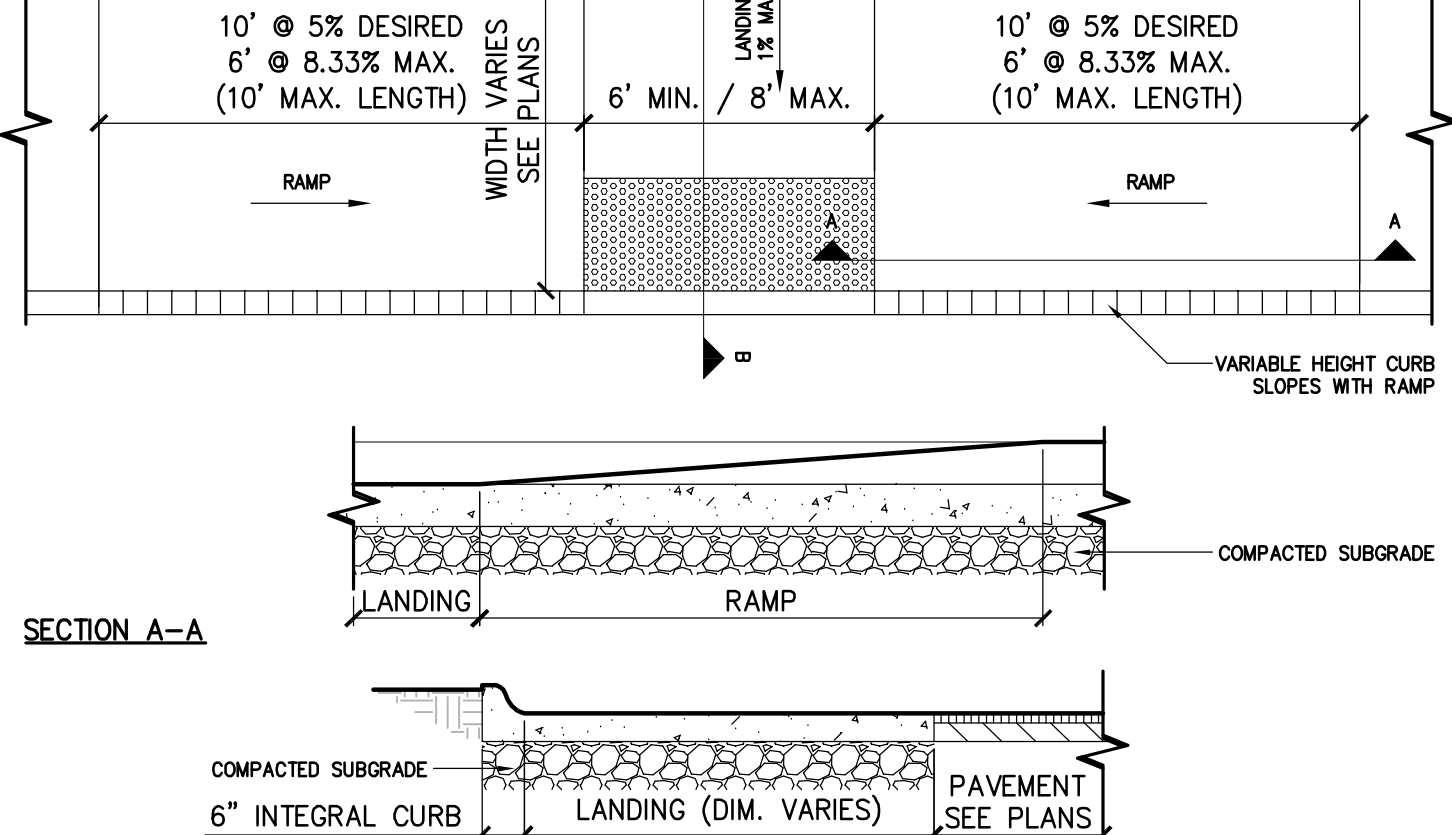
- GENERAL NOTES**
- DIRECTIONAL RAMPS WITH RETURNED CURBS AS SHOWN MAY BE USED WHEN A PLANTING STRIP (NON-WALK SURFACE) IS PROVIDED. DO NOT USE THIS DETAIL IF THERE IS HARDSCAPE (WALKABLE SURFACE) INSTEAD OF A PLANTING STRIP. IF A WALKABLE SURFACE IS ADJACENT TO RAMP, CONSTRUCT CONCRETE FLARES WITH SLOPES UP TO 10% MAX, INSTEAD OF RETURNED CURBS.
 - ALL CONCRETE SHALL BE AT LEAST 3,600 PSI.
 - ENSURE FLUSH CONDITIONS AT RAMP TO GUTTER TRANSITION.
 - SIDEWALK TRANSITION PANEL: PREFERRED DESIGN IS 1.5% (2.0% MAX.) IN ALL DIRECTIONS IN FRONT OF GRADE BREAK & DRAIN TO FLOW LINE. RUNNING SLOPE OF THIS AREA MUST NOT EXCEED 2% CROSS SLOPE MAY MATCH STREET GRADE AT BACK OF CURB WHEN STREET GRADE >2% TRANSITION TO 1.5% (2.0% MAX.) CROSS SLOPE AT TOE OF RAMP.

14 Concrete Curb Ramp - Type I
SECTION SCALE: NOT TO SCALE



- GENERAL NOTES**
- TRANSITION AND FLUSH SECTIONS SHALL BE CUT STRAIGHT OR TO THE PROPER RADIUS AS DESIGNATED ON LAYOUT PLANS.
 - FLUSH CURB LENGTH AS NOTED ON LAYOUT PLANS. FLUSH CURB SECTIONS ARE TO MEET LEVEL WITH ASPHALT PAVEMENT SURFACES WITH NO REVEAL.
 - LENGTH OF RAMP SHALL BE AS REQUIRED TO MAINTAIN A 1:12 SLOPE. FOR A TYPICAL 6" CURB REVEAL (AT THE TOP OF THE TRANSITION CURB SECTIONS) THE RAMP LENGTH WOULD TYPICALLY BE 6'-0" FROM THE BACK OF THE CURB.

15 Concrete Curb Ramp - Type II
SECTION SCALE: NOT TO SCALE



16 Concrete Curb Ramp - Type III
SECTION SCALE: NOT TO SCALE

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

DETAILS AND SECTIONS

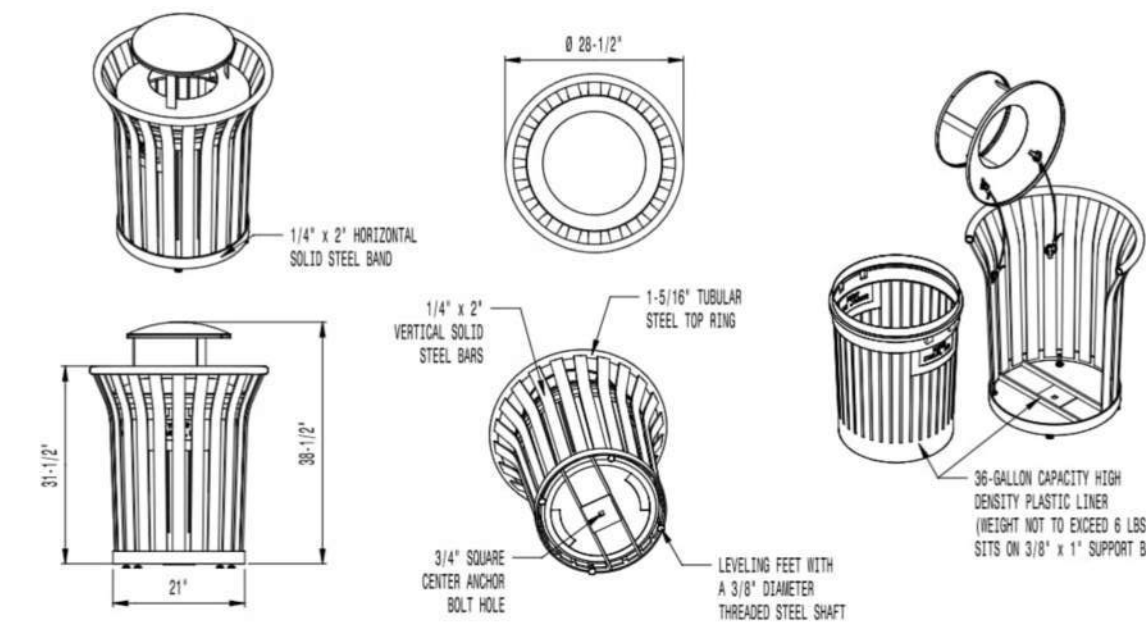
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Issue Date: 01/30/26	Project No.: 093489.000	Scale: AS SHOWN

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Manufacturers of Quality Site Furnishings since 1962

P.O. BOXER 330 • DUNSMIR, MD 20754 USA
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* ALL DIMENSIONS ARE IN INCHES *



AVAILABLE OPTIONS:
POWDER COATING
15 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,
CUSTOM COLORS (INCLUDING THE RAL RANGE)
CUSTOM PLAKES & DECALS
AVAILABLE WITH STEEL PLAKES IN VARIOUS SIZES AND PRESSURE
SENSITIVE VINYL OUTDOOR DECALS

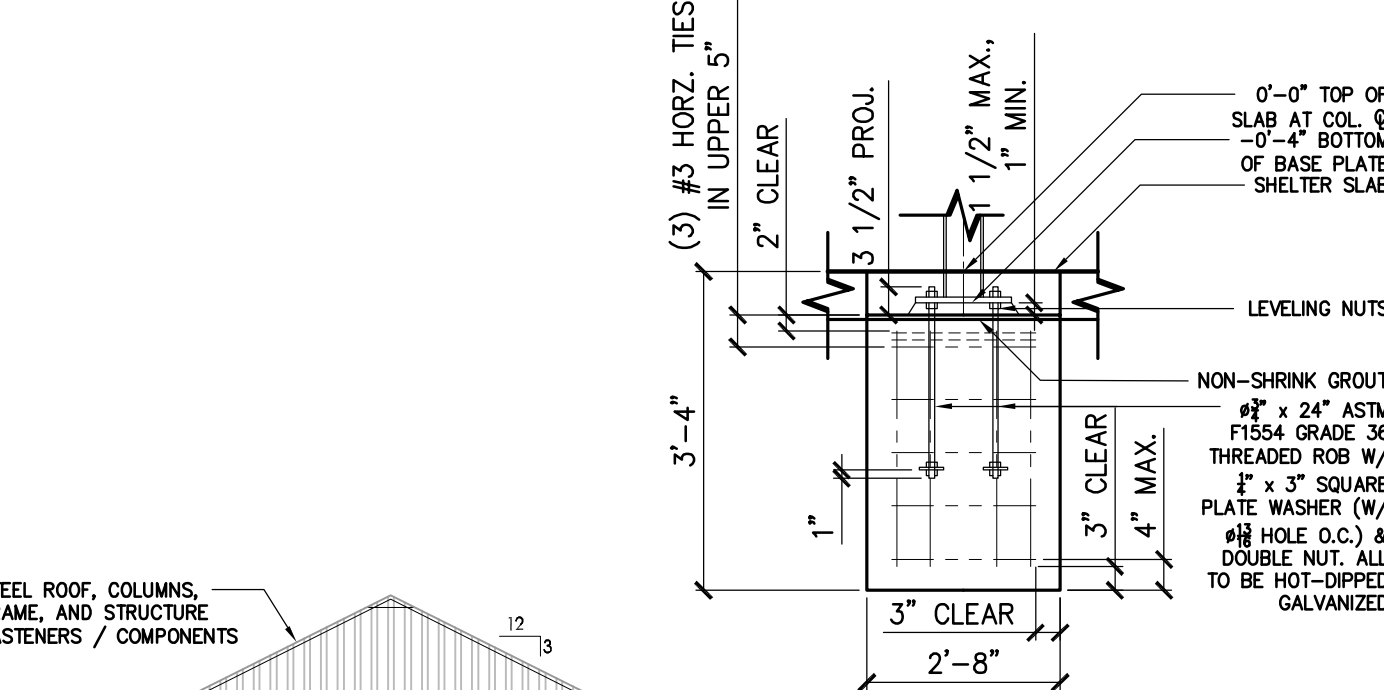
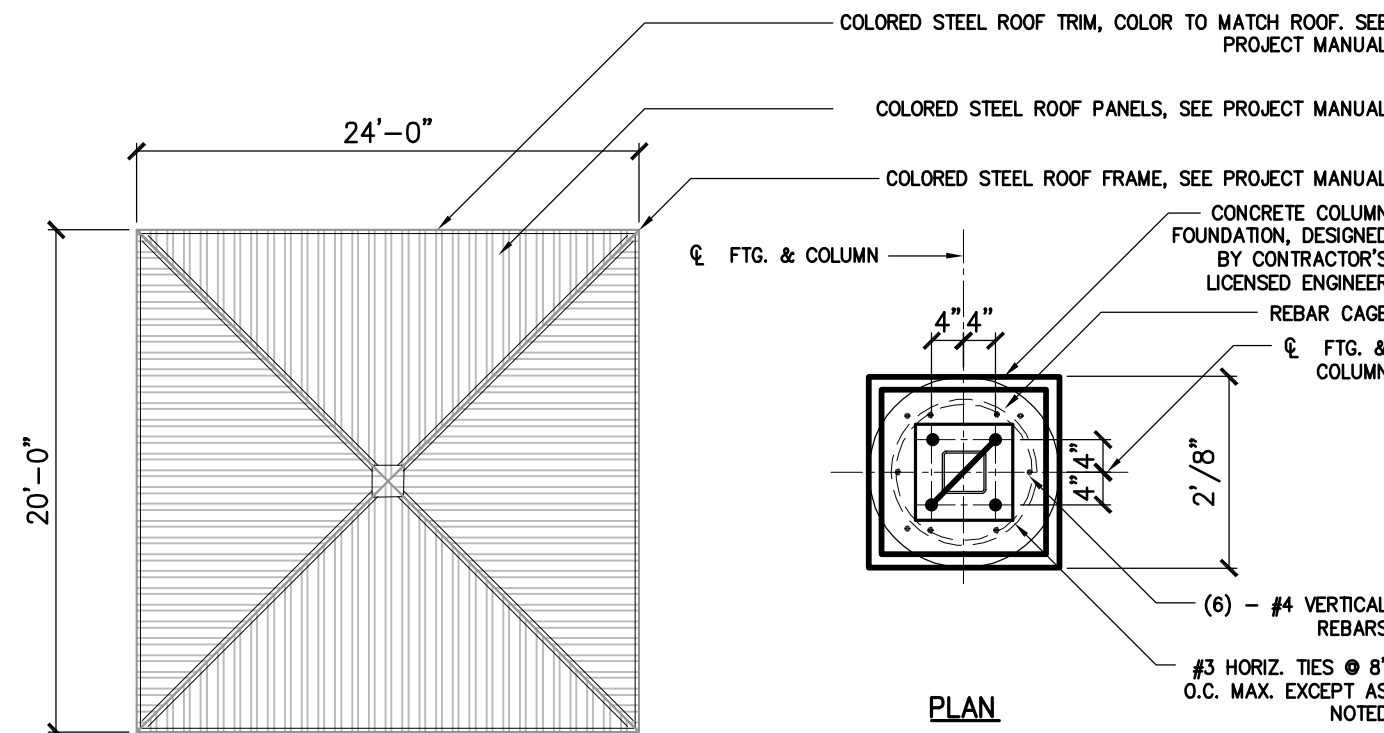
LINE
STANDARD WITH TAPERED FORMER LIDS. AVAILABLE WITH OPTIONAL LID,
DOWNED LID WITH STAINLESS STEEL ANCHOR, DOWNED LID WITH
SELF-CLOSURE DOOR, RAIN BONNET LID, RAIN BONNET LID WITH STAINLESS
STEEL ANCHOR (AS SHOWN), VERTICAL LID AND SPHERICAL DOWNED LIDS. ANCHORS
AVAILABLE WITH OPTIONAL ANCHOR COVER

SECURITY
LID IS SECURED WITH VINYL COATED GALVANIZED STEEL ANCHOR CABLE
CABLE IS LOOPED AROUND ATTACHMENT BRACKET AND CROPPED IN PLACE.

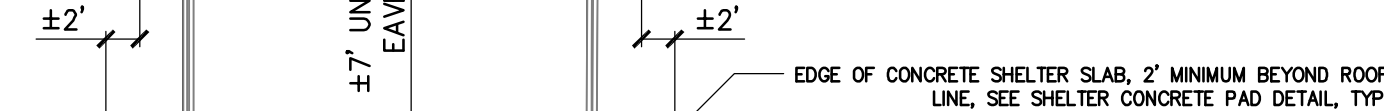
- NOTES:**
- DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 - ALL FABRICATED METAL COMPONENTS ARE STEEL, GALVANIZED, ETCHED, PHOSPHATIZED, PREPARED, AND ELECTROSTATICALLY POWDER COATED WITH T.A.L.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREPARED, PREPARED AND COATED WHILE NOT TO FILL DEVICES AND BUILT FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 - VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 - VICTOR STANLEY, INC., PLASTIC LINER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED FEELS, INTERNAL HANGERS, AND HIGH-STRENGTH MATERIALS. THIS REDUCES HANDLING DIFFICULTY AND FACILITATES EASY OPTIMIZING AND STORING WHILE PROVIDING LONG SERVICE LIFE.
 - ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
 - FOR TOP BAY ABOVE CLOSETS, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PROVIDED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALITY FOR THIN PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN ADDRESSING PRE-RESISTANT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 800°F (430°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME WEARINESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER COATING SURFACE FOLDS OVER THAT GALVANIZED SURFACE. ANY EXISTING BUMPS, UNIFORMS, AND WHY NOT BE AS SHOWN AT THE STANDARD FINISH. THIS WEAR AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
 - ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 - THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



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REV. 01/15/15 DRAW L.A.L. 2015-076



COLUMN FOUNDATION LAYOUT
CONTRACTOR TO PROVIDE SIGNED / SEALED GA ENG. PE
FOOTING AND FOUNDATION DESIGN. SEE PROJECT MANUAL
FOR MORE INFORMATION (DELEGATED DESIGN SUBMITTAL)



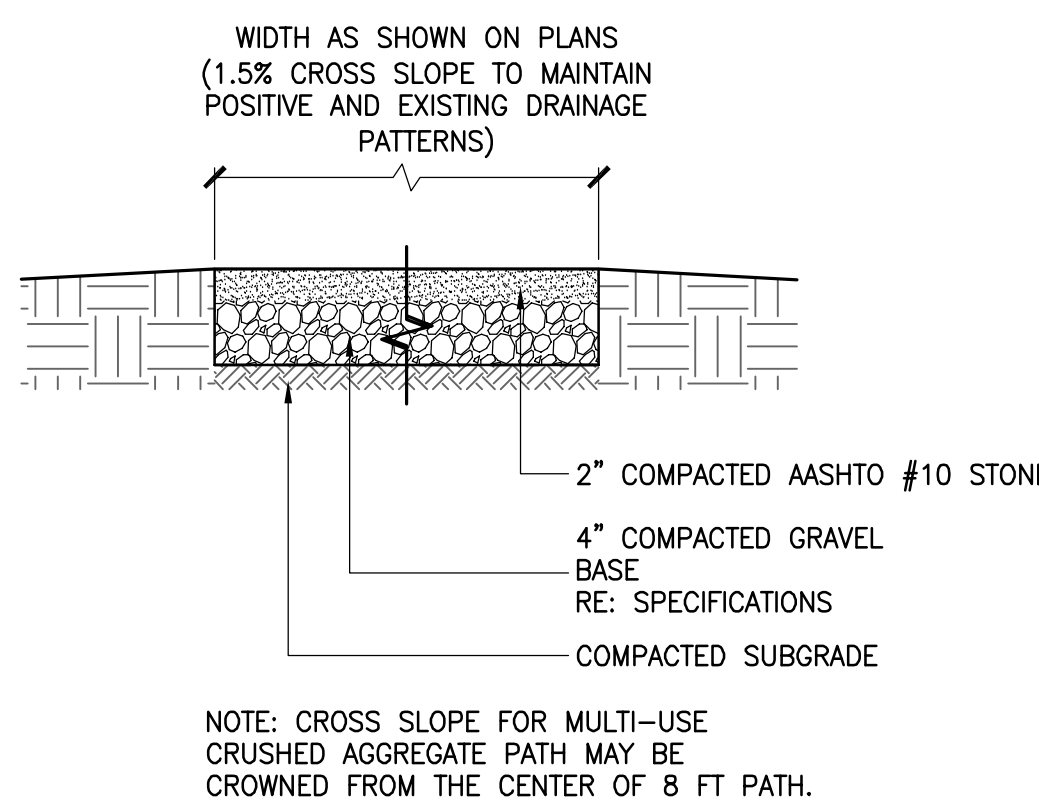
GENERAL NOTES

- SEE PROJECT MANUAL FOR LIST OF APPROVED
SHELTER MANUFACTURER'S AND ADDITIONAL
INFORMATION.

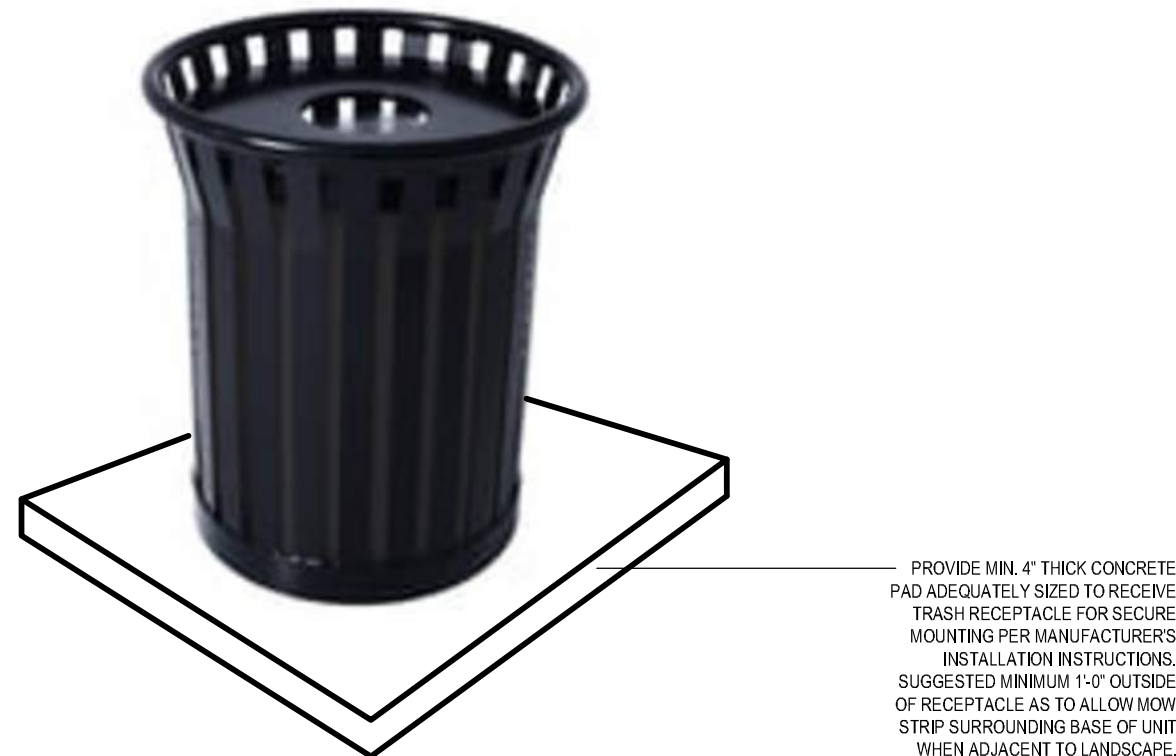
SEE PROJECT MANUAL FOR ADDITIONAL SHELTER INFORMATION



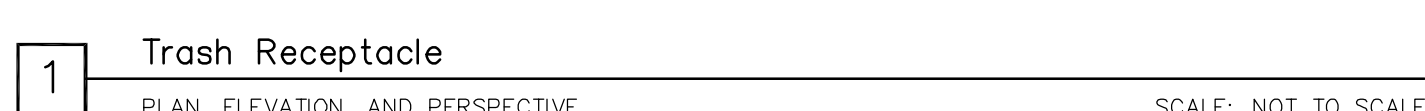
5 Decomposed Granite Walking Path
SECTION SCALE: NOT TO SCALE



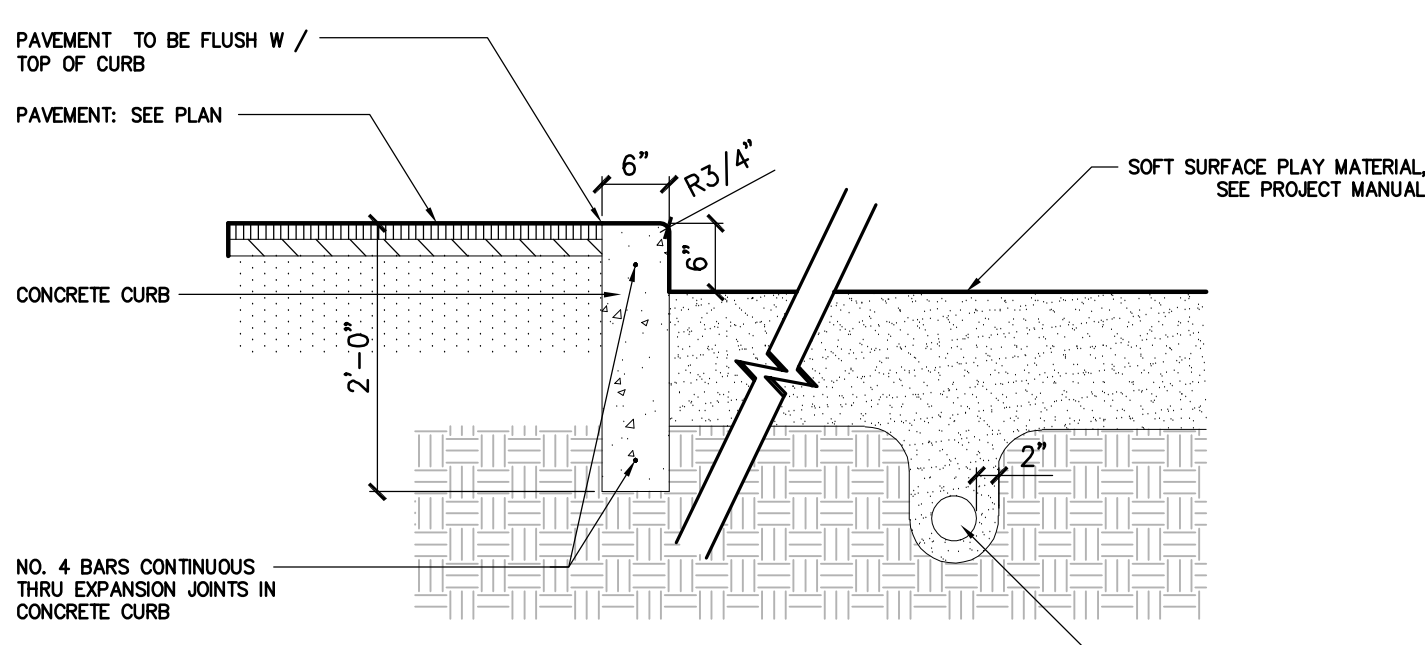
NOTE: CROSS SLOPE FOR MULTI-USE
CRUSHED AGGREGATE PATH MAY BE
CROWNED FROM THE CENTER OF 8 FT PATH.



- GENERAL NOTES**
- BASIS OF DESIGN: VICTOR STANLEY STREETSTES SERIES T-32 TRASH RECEPTACLE. REFER TO PROJECT MANUAL FOR OTHER ACCEPTABLE MANUFACTURER'S.
 - SEE PLANS FOR LOCATION OF TRASH RECEPTACLES.
 - OPTIONS: WITH CONVEX LID WITH SELF-CLOSING DOOR.
 - COLOR: AS SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLORS
 - MOUNTING: SURFACE MOUNT OR EOWAL.



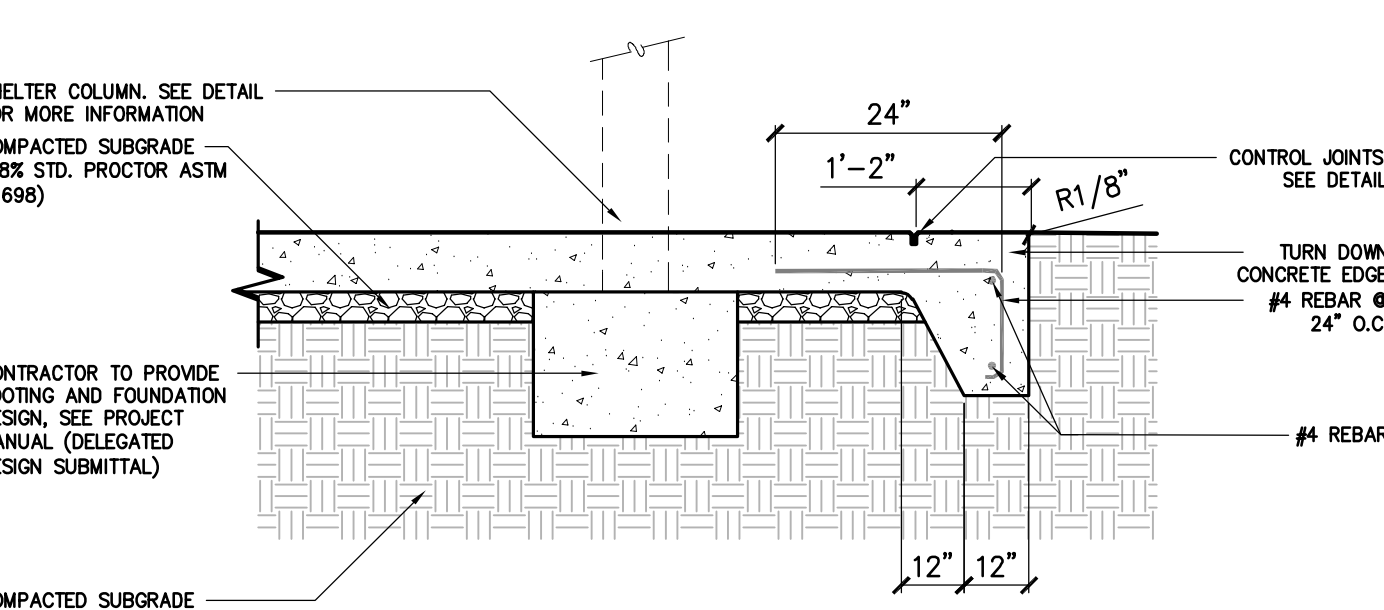
1 Trash Receptacle
PLAN, ELEVATION, AND PERSPECTIVE SCALE: NOT TO SCALE



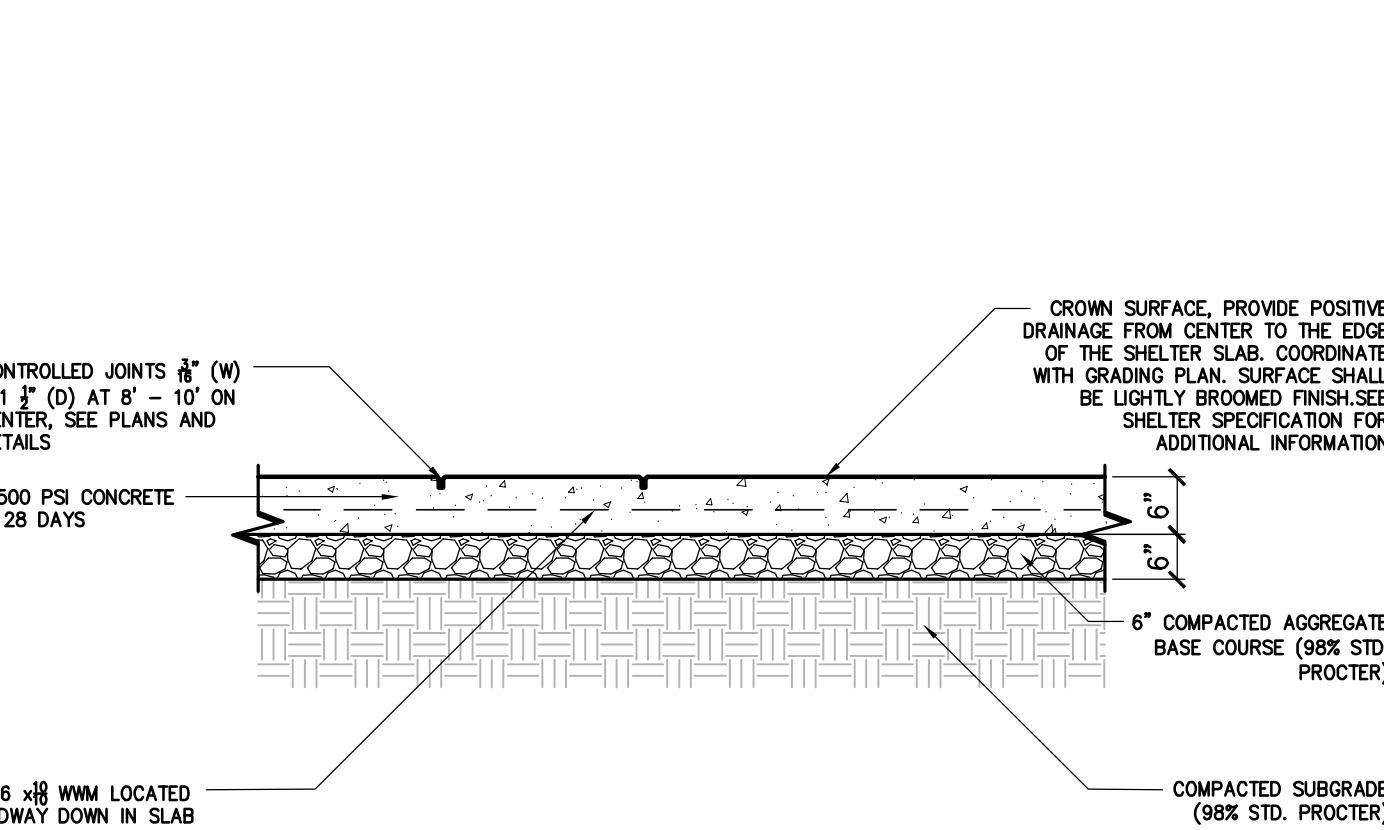
- GENERAL NOTES**
- SET 4" DIAMETER PERFORATED TUBING WITH INVERT 16" BELOW TOP OF SOFT SURFACE PLAY MATERIAL.
 - TUBING IS TO SLOPE 1" PER FT. MINIMUM IN THE SOFT SURFACE AREA.
 - SLOPE 4" SOLID TUBING AS REQUIRED TO TAP STORM STRUCTURE / PIPE AS NOTED.
 - PLACE 1" BITUMINOUS EXPANSION JOINT AT MAXIMUM 30' O.C. IN CURB.



2 Pavement at Concrete Curb Soft Surface
SECTION SCALE: NOT TO SCALE



3 Park Shelter
PLAN AND SECTION SCALE: NOT TO SCALE



4 20' x 24' Park Shelter Concrete Pad
SECTION SCALE: NOT TO SCALE

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

DETAILS AND SECTIONS

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Issue Date: 01/30/26	Project No.: 093489.000	Scale: AS SHOWN

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1

GDOT Standard Precast Reinforced Concrete Manhole Details

PLAN & SECTION

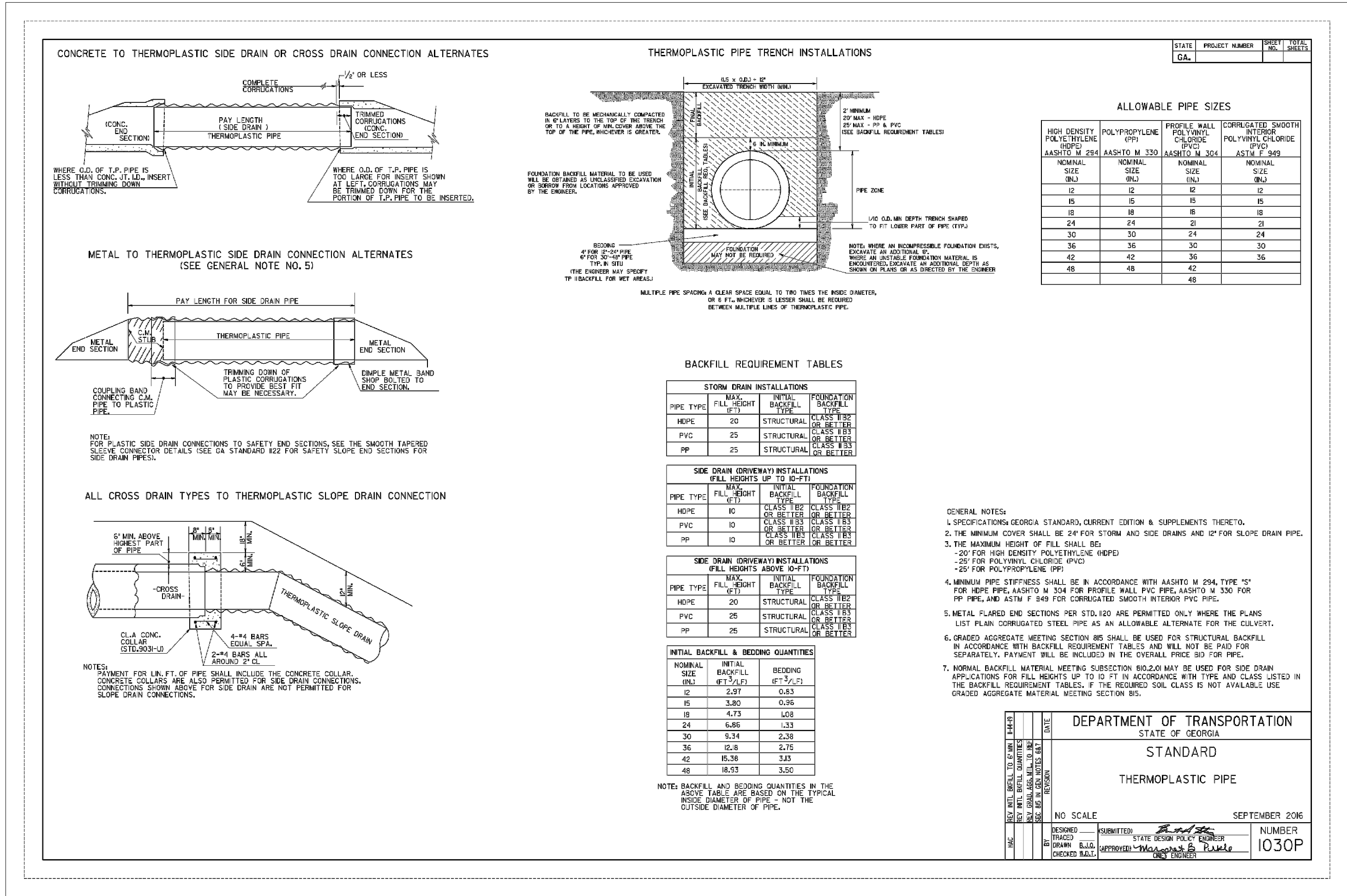
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3

Drain Basin in Paving

SECTION

SCALE: NOT TO SCALE



2

GDOT Thermoplastic Pipe Detail

SECTION

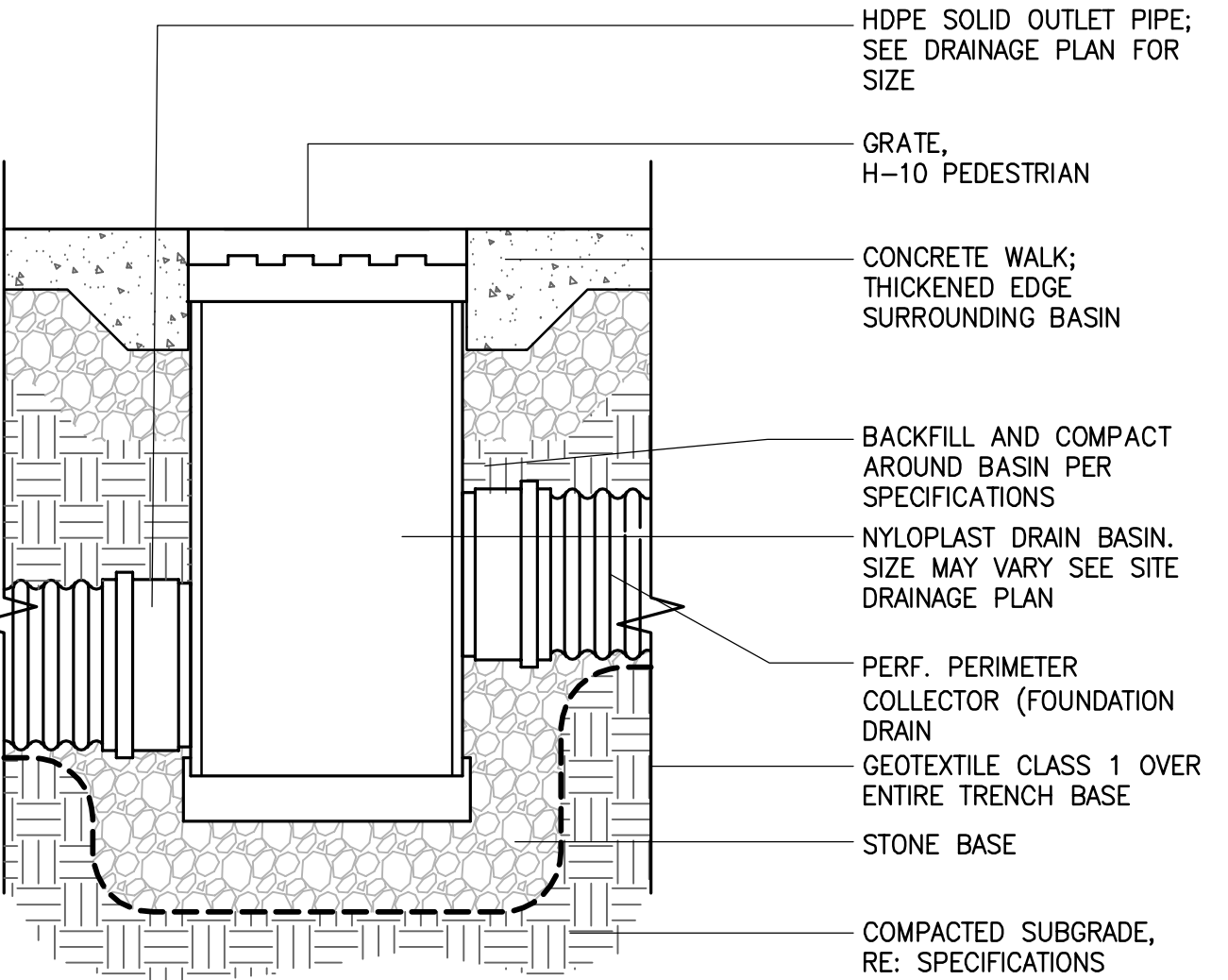
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Drain Basin in Landscape

SECTION

SCALE: NOT TO SCALE



1/29/26, 10:58 AM

ECMDS 7.0



North American Green
5401 St. Wendel-Cynthiana Rd.
Poseyville, Indiana 47633
Tel. 800.772.2040
>Fax 812.867.0247
www.nagreen.com
ECMDS v7.0

CHANNEL ANALYSIS

>>> D-2

Name	D-2
Discharge	5.45
Channel Slope	0.038
Channel Bottom Width	2
Left Side Slope	3
Right Side Slope	3
Low Flow Liner	
Retardance Class	C 6-12 in
Vegetation Type	Mix (Sod and Bunch)
Vegetation Density	Very Good 80-95%
Soil Type	Sand (SP)

C125BN

Phase	Reach	Discharge	Velocity	Normal Depth	Manning's N	Permissible Shear Stress	Calculated Shear Stress	Safety Factor	Remarks	Stable Pattern
C125BN Unvegetated Underlying Substrate	Straight	5.45 cfs	3.4 f/s	0.47 ft	0.04	2.45 lbf/ft ²	0.76 lbf/ft ²	3.21	STABLE	D

S150BN

Phase	Reach	Discharge	Velocity	Normal Depth	Manning's N	Permissible Shear Stress	Calculated Shear Stress	Safety Factor	Remarks	Stable Pattern
S150BN Unvegetated Underlying Substrate	Straight	5.45 cfs	3.4 f/s	0.47 ft	0.04	1.66 lbf/ft ²	0.76 lbf/ft ²	2.18	STABLE	D

Unreinforced Vegetation

Phase	Reach	Discharge	Velocity	Normal Depth	Manning's N	Permissible Shear Stress	Calculated Shear Stress	Safety Factor	Remarks	Stable Pattern
Unreinforced Vegetation Underlying Substrate	Straight	5.45 cfs	3.4 f/s	0.47 ft	0.04	4 lbf/ft ²	1.11 lbf/ft ²	3.59	STABLE	--

S75BN

Phase	Reach	Discharge	Velocity	Normal Depth	Manning's N	Permissible Shear Stress	Calculated Shear Stress	Safety Factor	Remarks	Stable Pattern
S75BN Unvegetated Underlying Substrate	Straight	5.45 cfs	3.4 f/s	0.47 ft	0.04	1.6 lbf/ft ²	1.11 lbf/ft ²	1.44	STABLE	D

https://ecmids.com/project/167856/channel-analysis/307688/show

1/2

5

Reinforced Channel Analysis Calculations

CALCULATIONS

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ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR TO ALTER OR REPAIR ANY WORK, IF IN THE MEANING
THE SHAP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND
SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE
WORKMAN, ALTERED BY FOLLOWING BY THEIR SIGNATURE, THE
DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION
OF THE ALTERATION.

BOYKIN ROAD PARK - PARK IMPROVEMENTS

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GEORGIA

No. Submittal / Revision Appr By Date

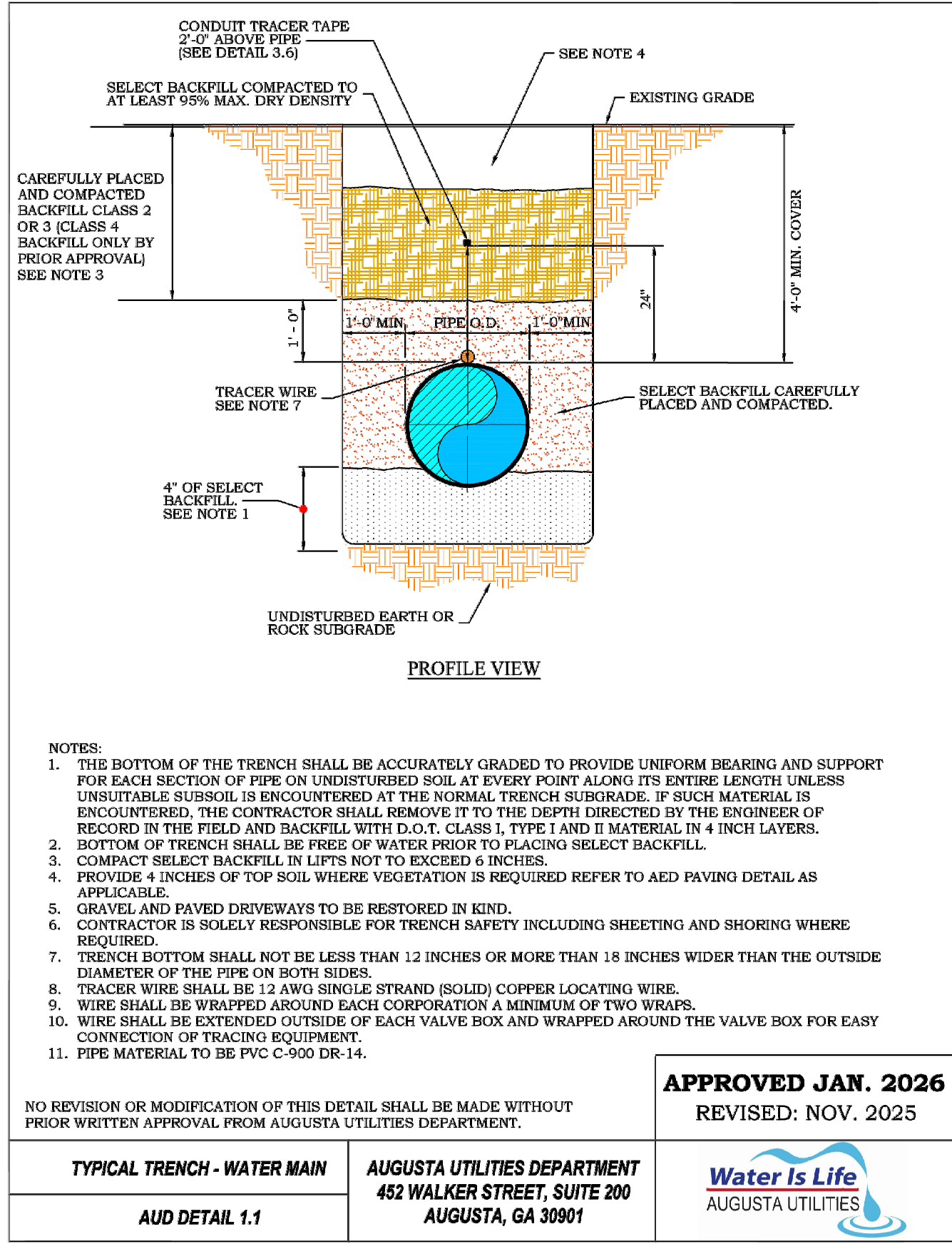
DETAILS AND SECTIONS

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: AS SHOWN

Drawing No.:

C-604

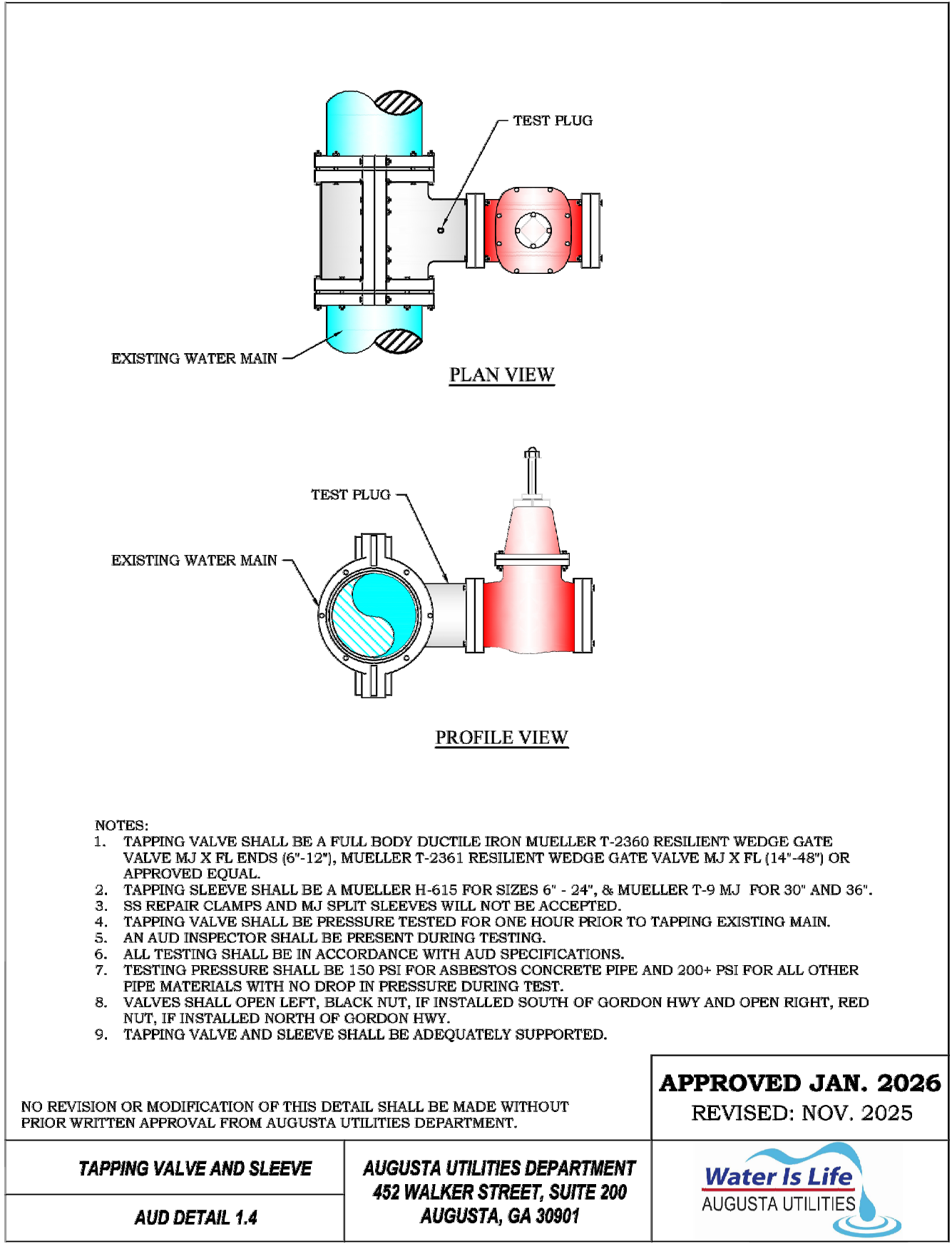
Sheet 28 of 42



1 Typical Trench – Water Main

SECTION

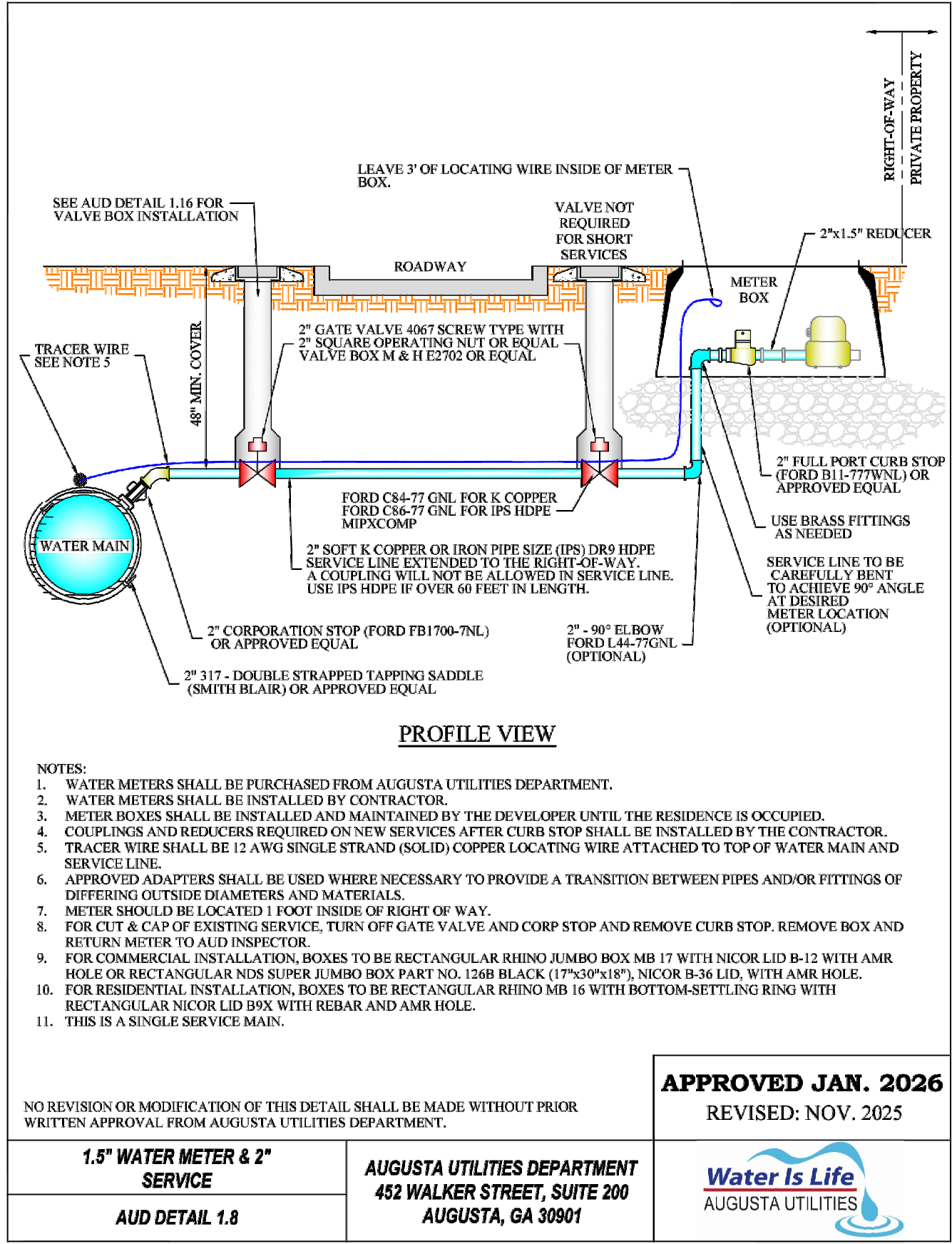
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3 Tapping Valve and Sleeve

PLAN AND PROFILE

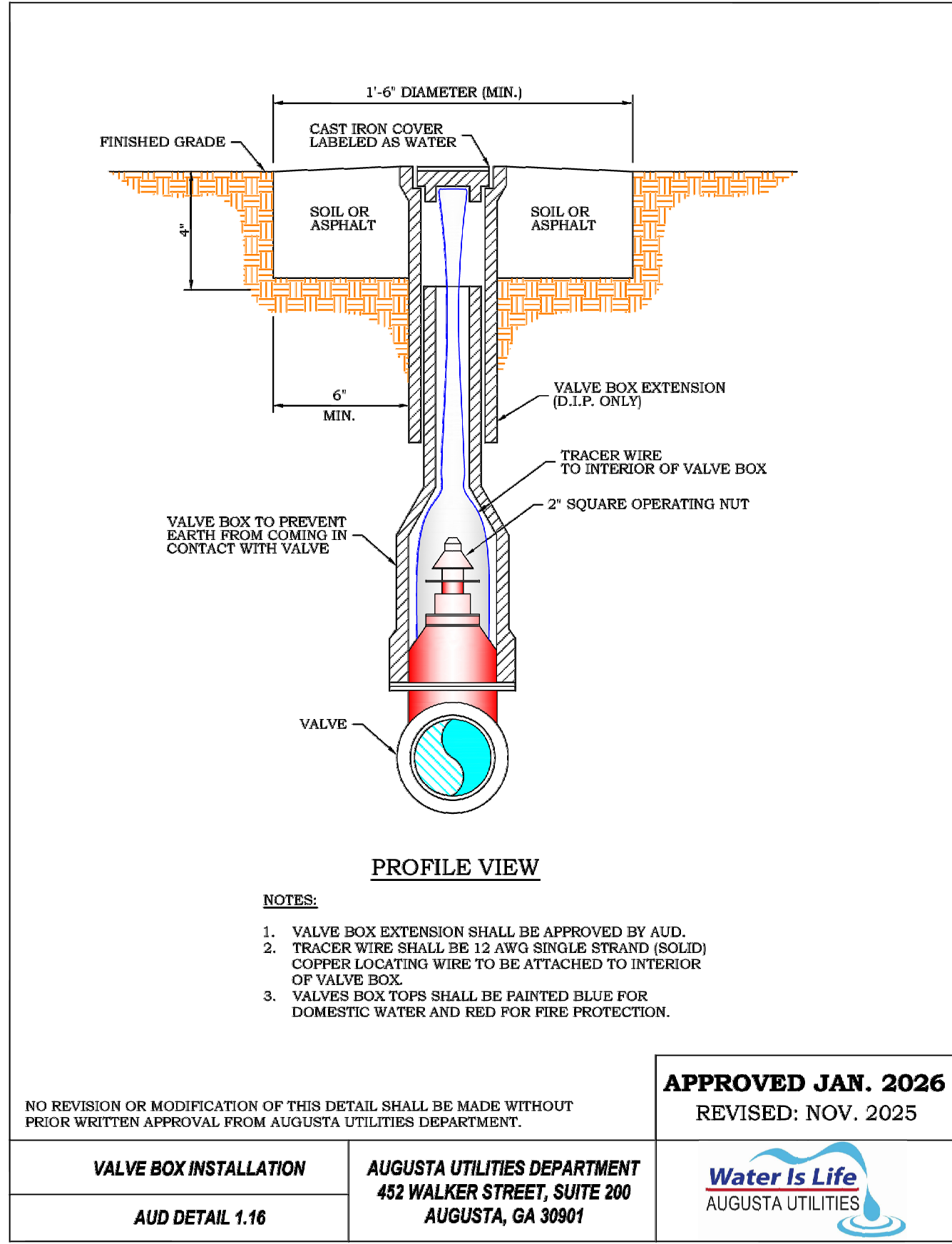
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5 1 1/2" Water Meter and 2" Service

SECTION

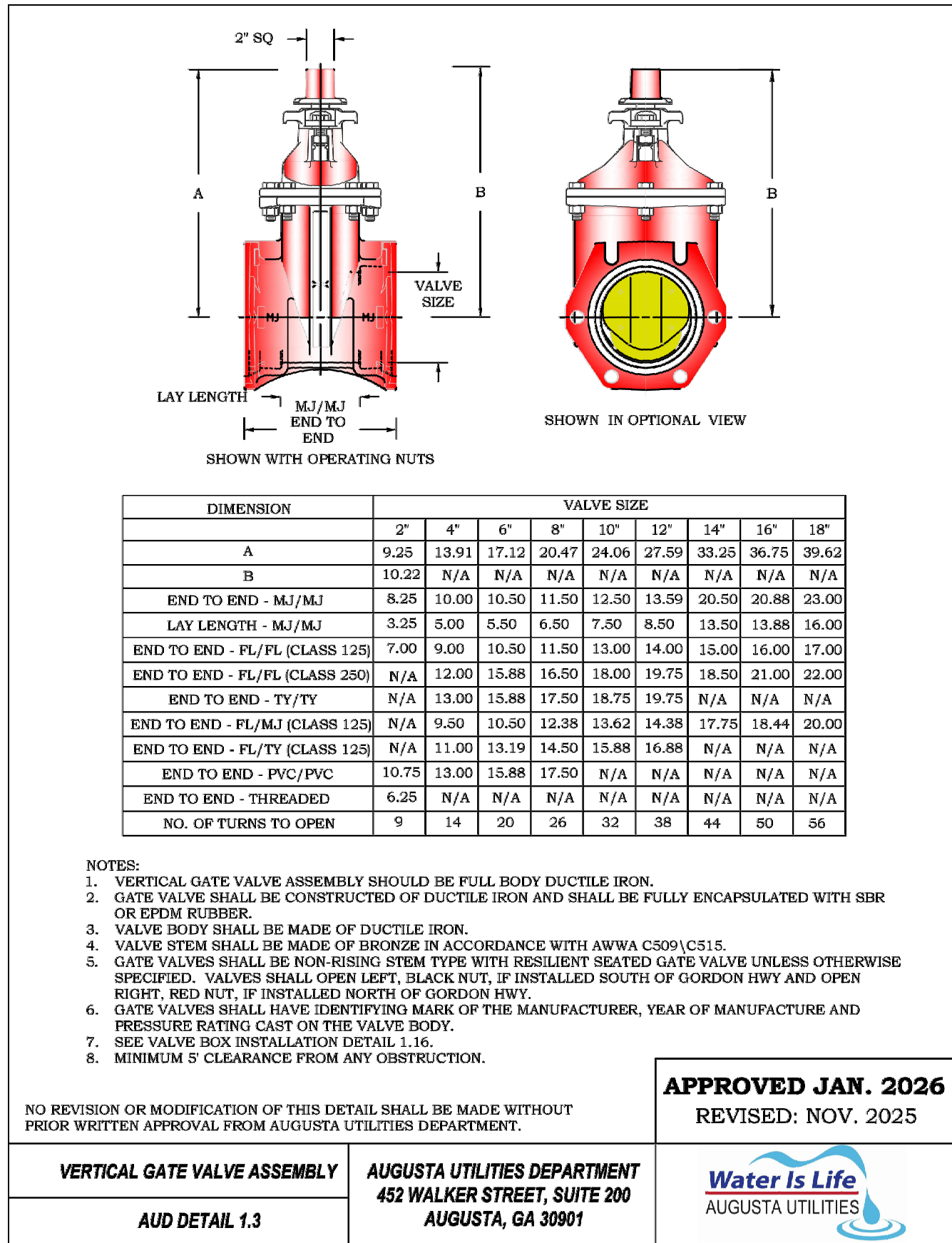
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7 Valve Box Installation

SECTION

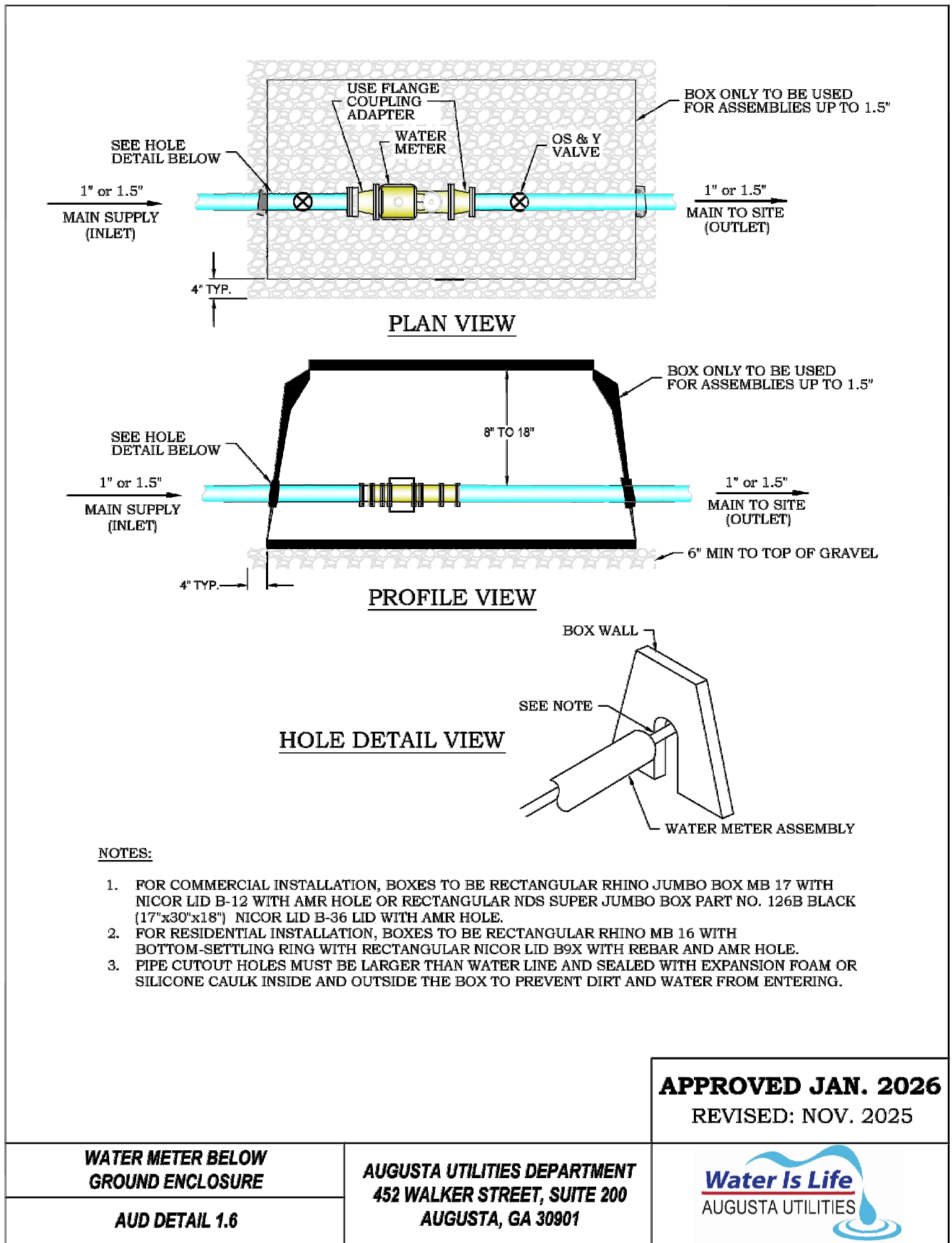
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2 Vertical Gate Valve Assembly

SECTION

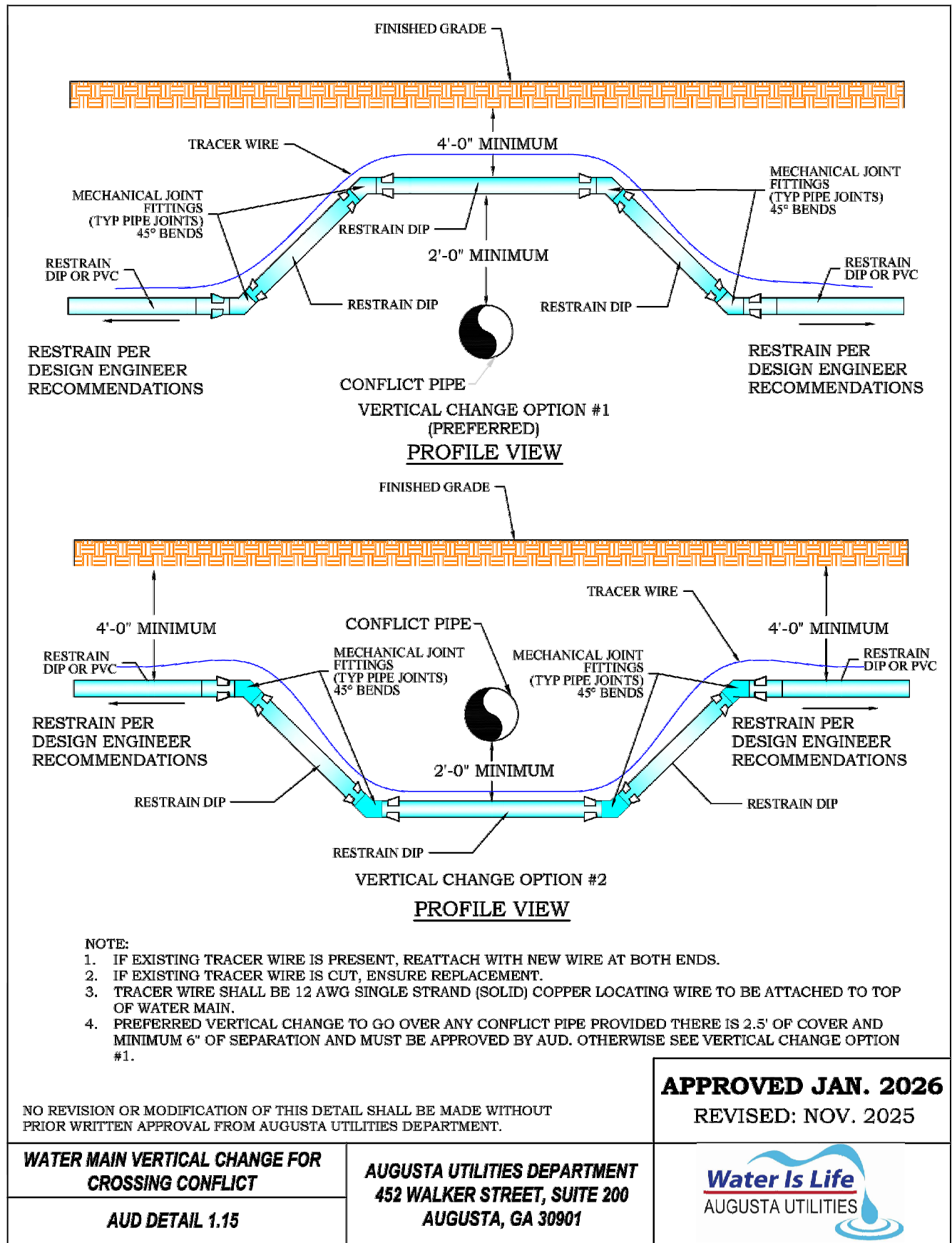
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4 Water Meter Below Ground Enclosure

PLAN AND PROFILE

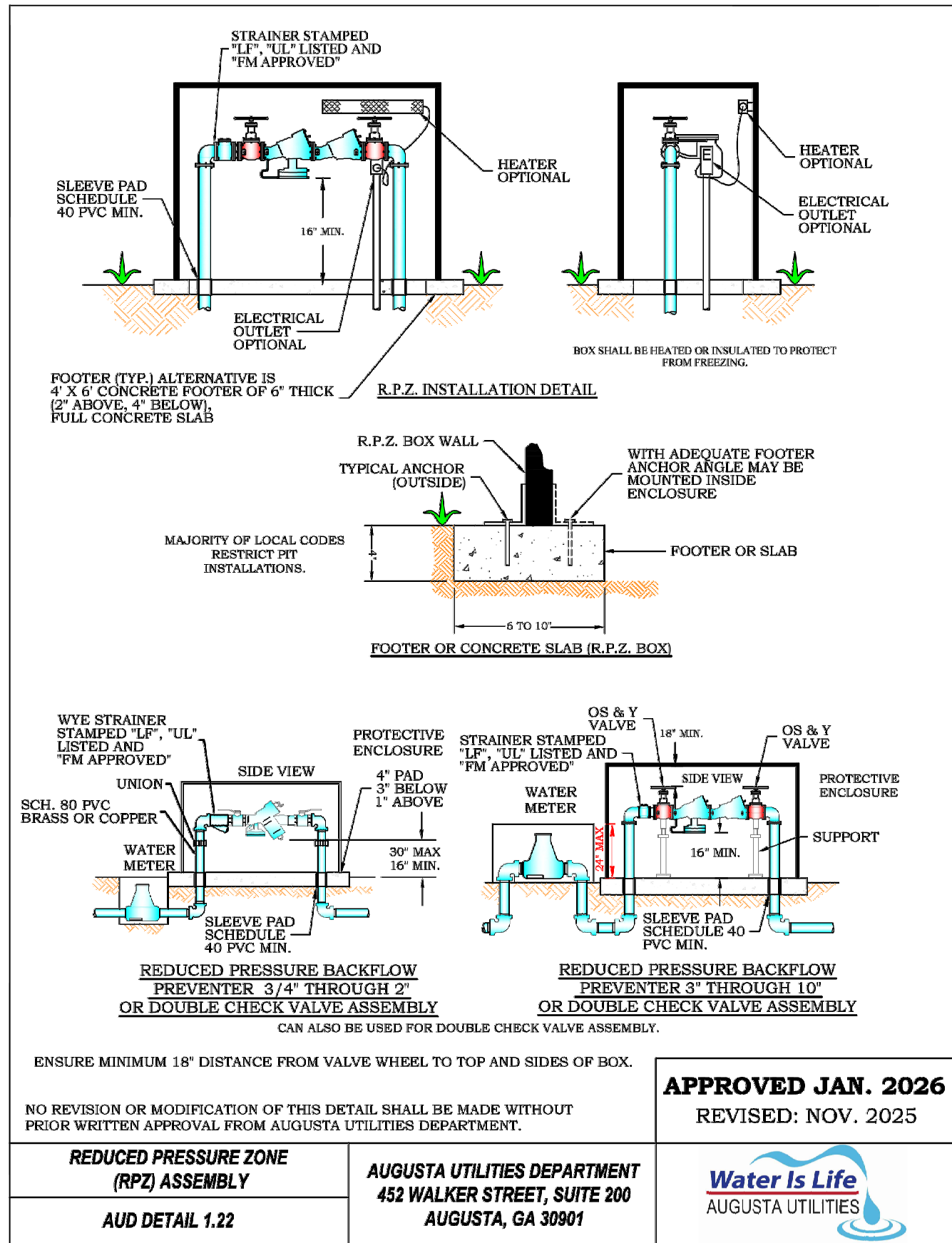
SCALE: NOT TO SCALE



6 Water Main Vertical Change for Crossing Conflict

SECTION

SCALE: NOT TO SCALE



8 Reduced Pressure Zone (RPZ) Assembly

SECTION

SCALE: NOT TO SCALE

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

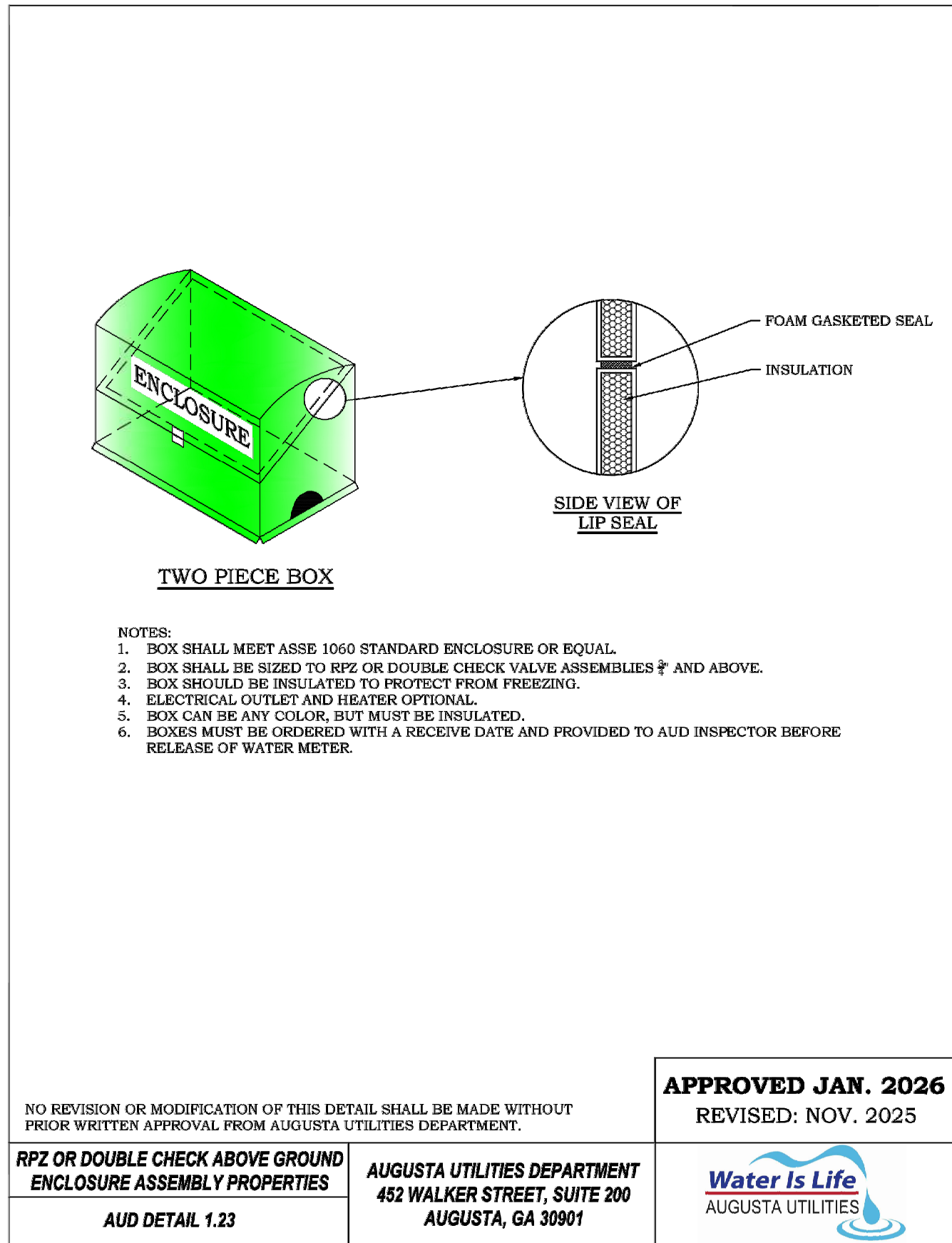
DETAILS AND SECTIONS

Designed By: SDW	Drawn By: SDW	Checked By: PG
Issue Date: 01/30/26	Project No.: 093489.000	Scale: AS SHOWN

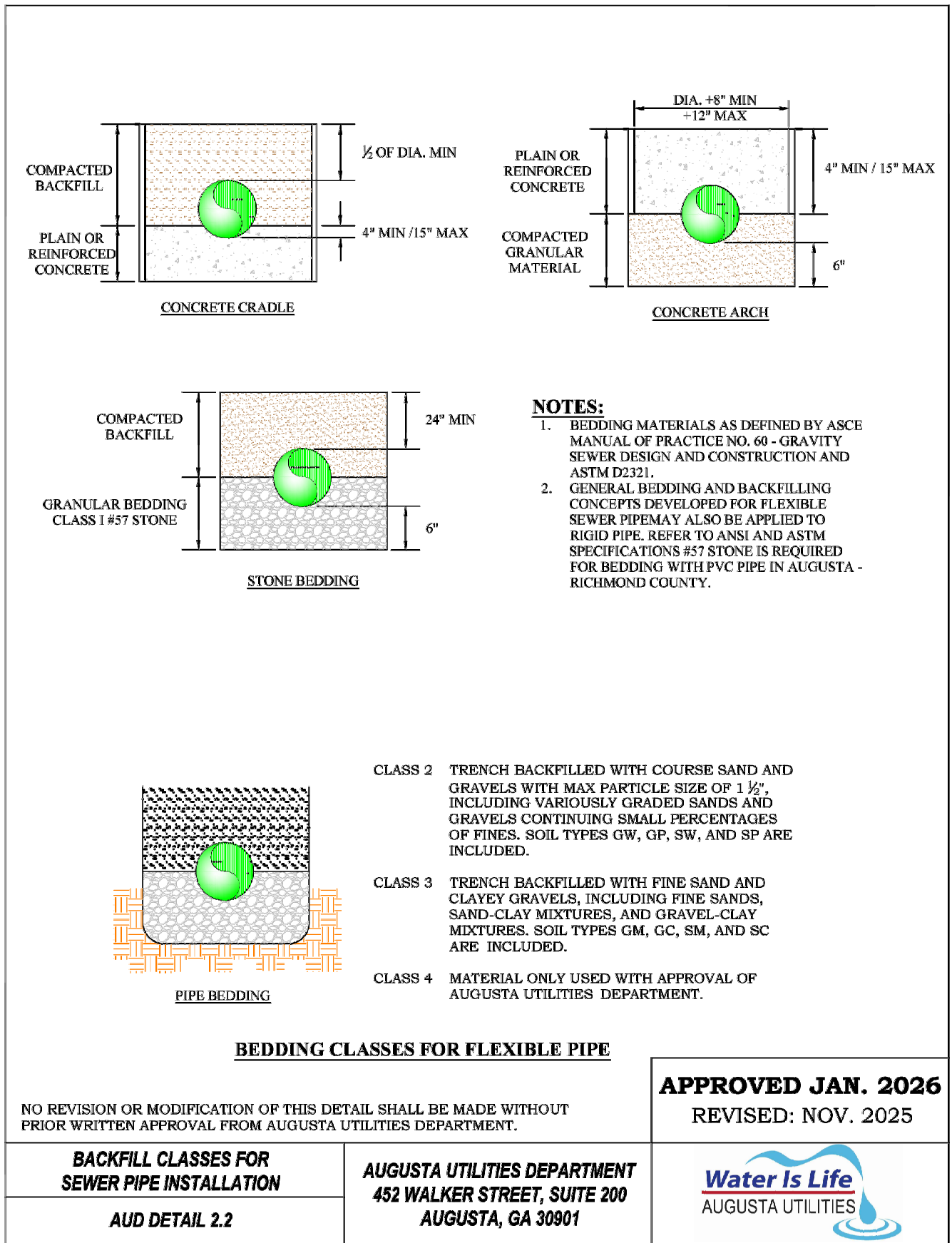
Drawing No.:

C-605

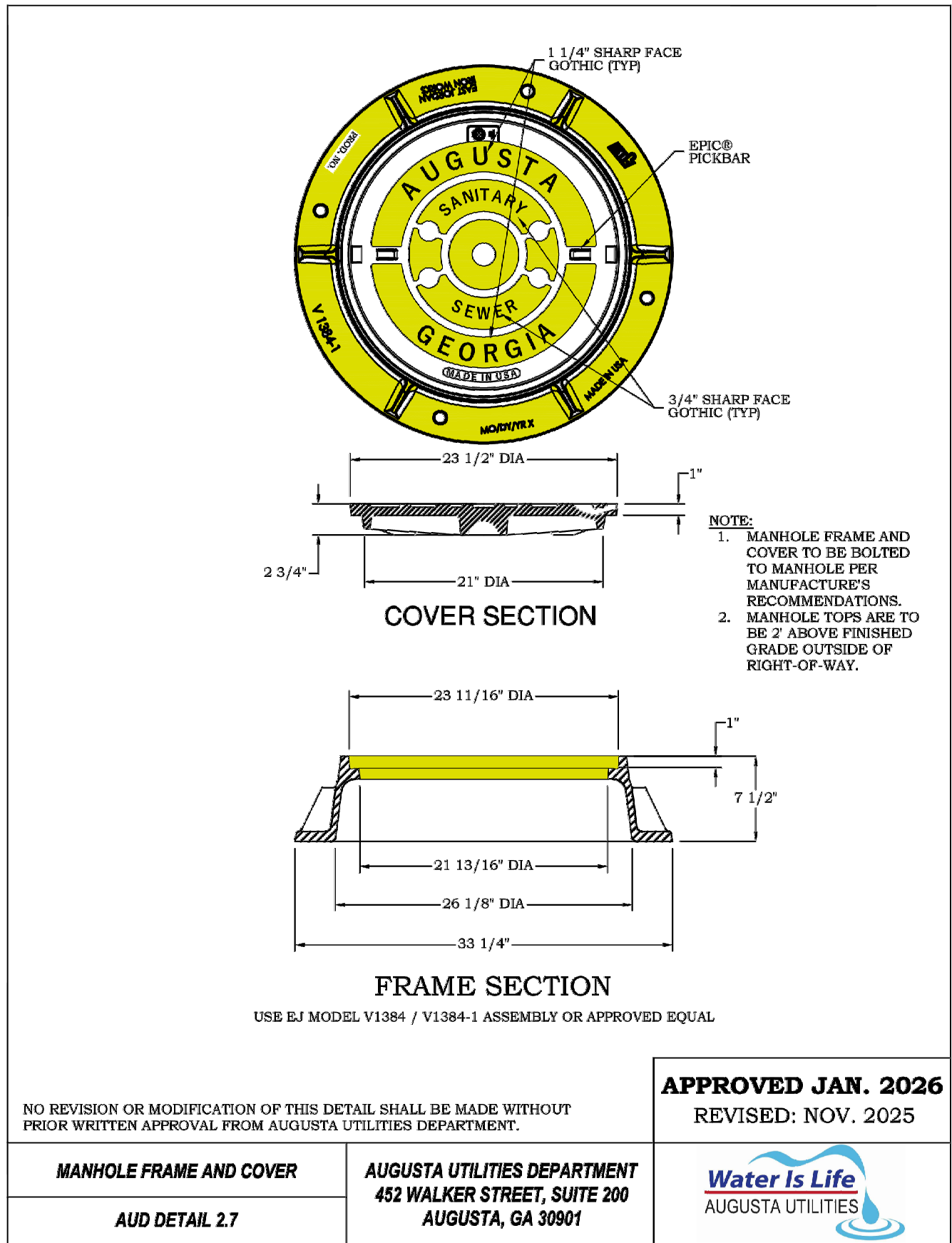
Sheet 29 of 42



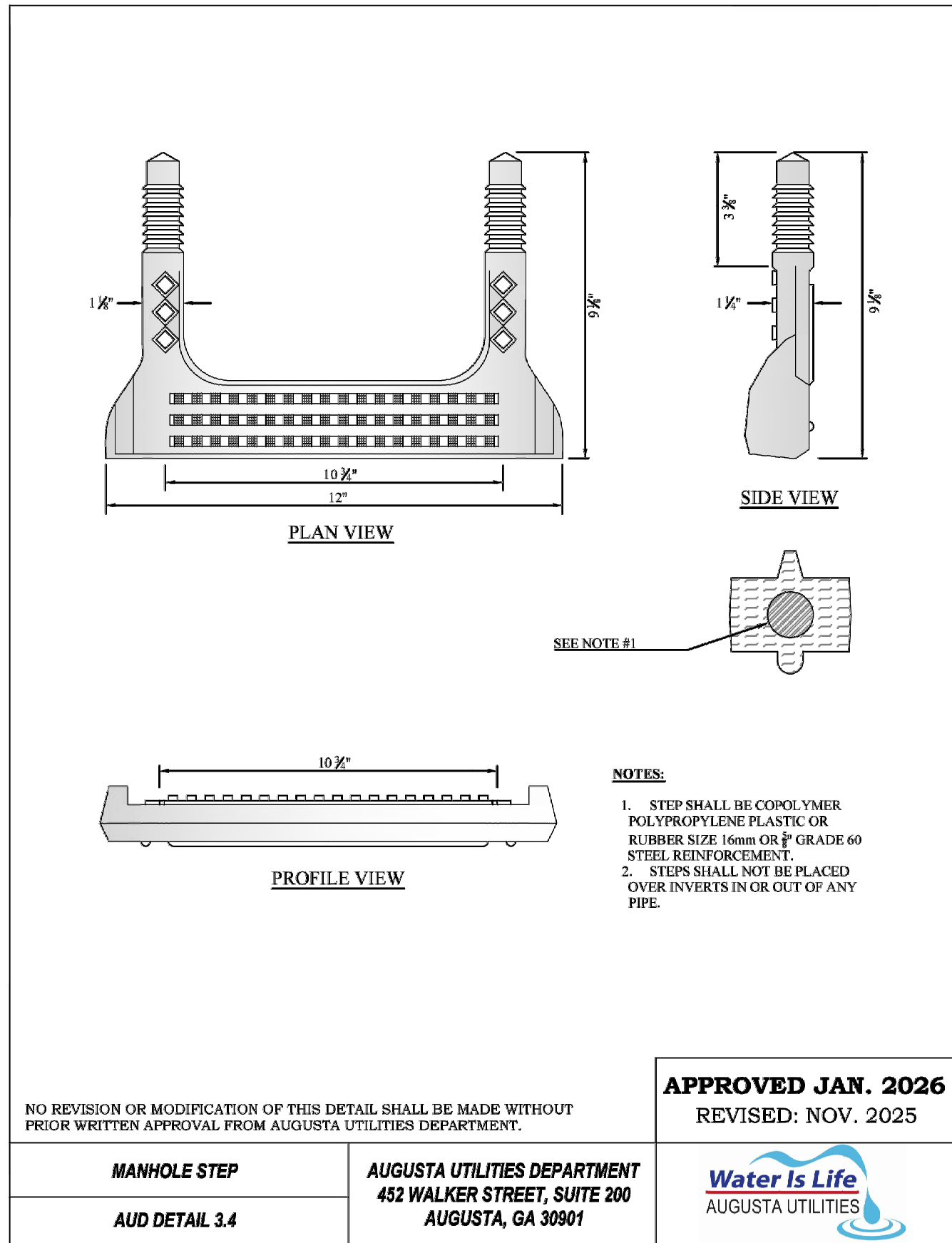
1 RPZ or Double Check Above Ground Enclosure Assembly Properties
PERSPECTIVE
SCALE: NOT TO SCALE



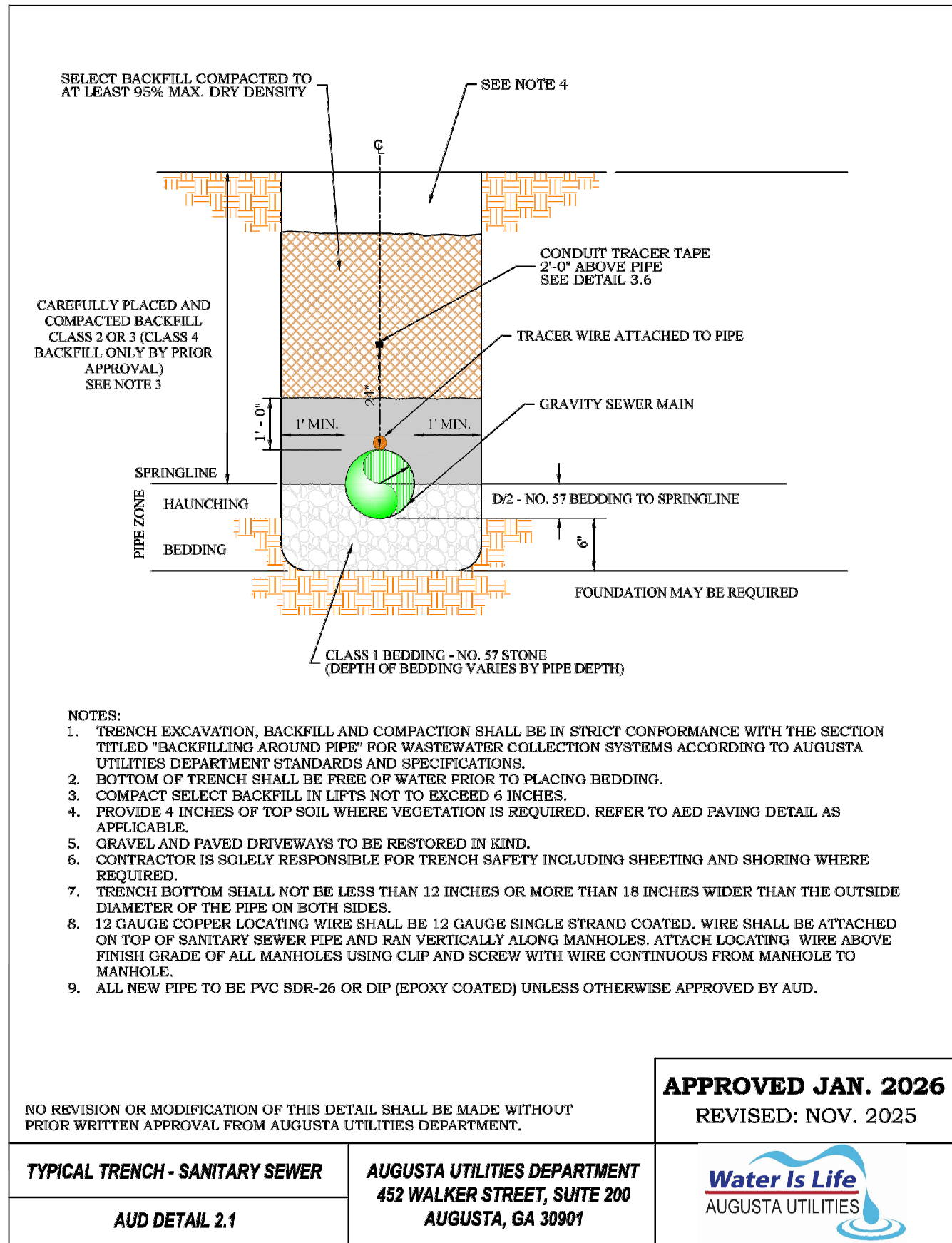
3 Backfill Classes for Sewer Pipe Installation
SECTION
SCALE: NOT TO SCALE



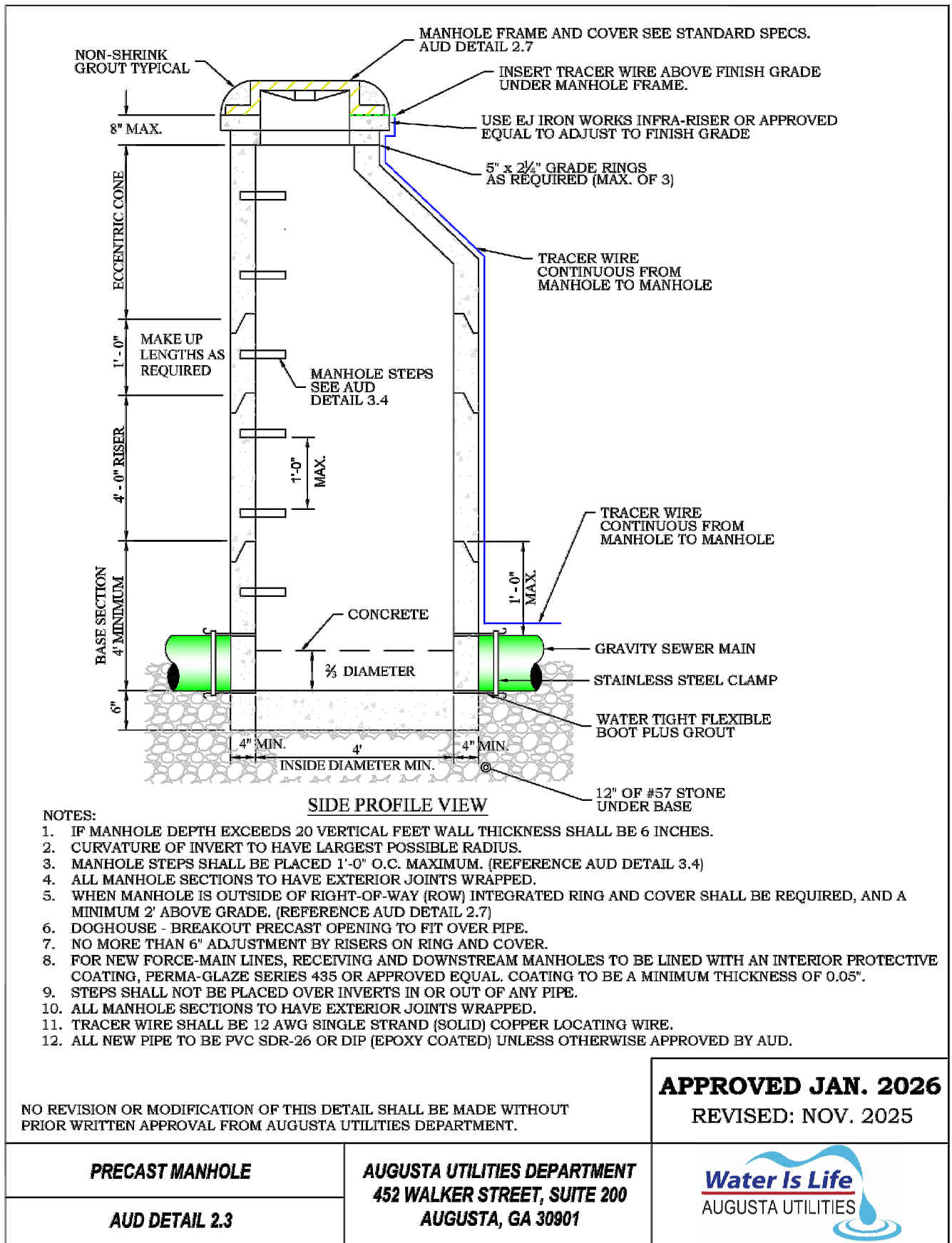
5 Manhole Frame and Cover
PLAN AND SECTION
SCALE: NOT TO SCALE



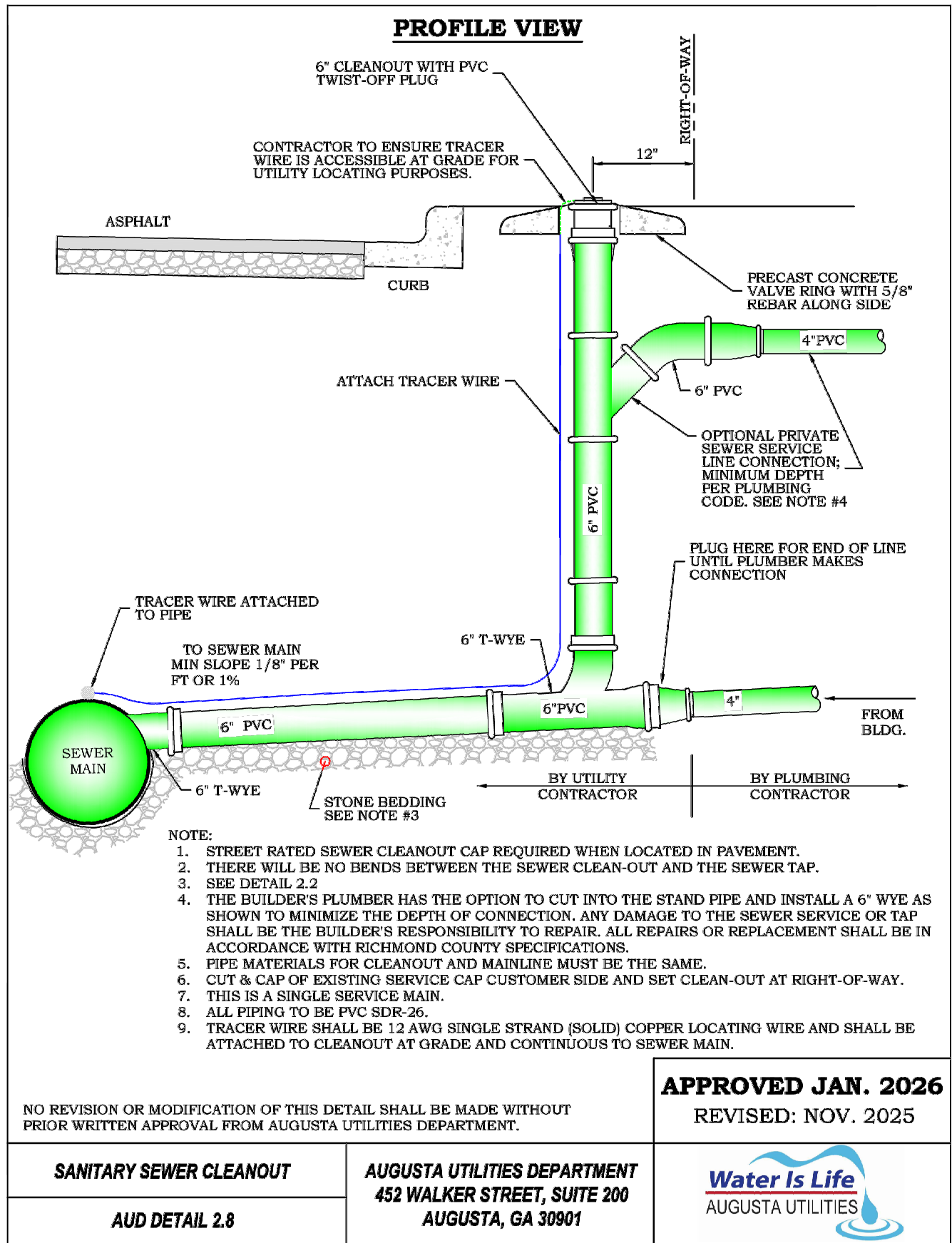
7 Manhole Step
PLAN AND PROFILE
SCALE: NOT TO SCALE



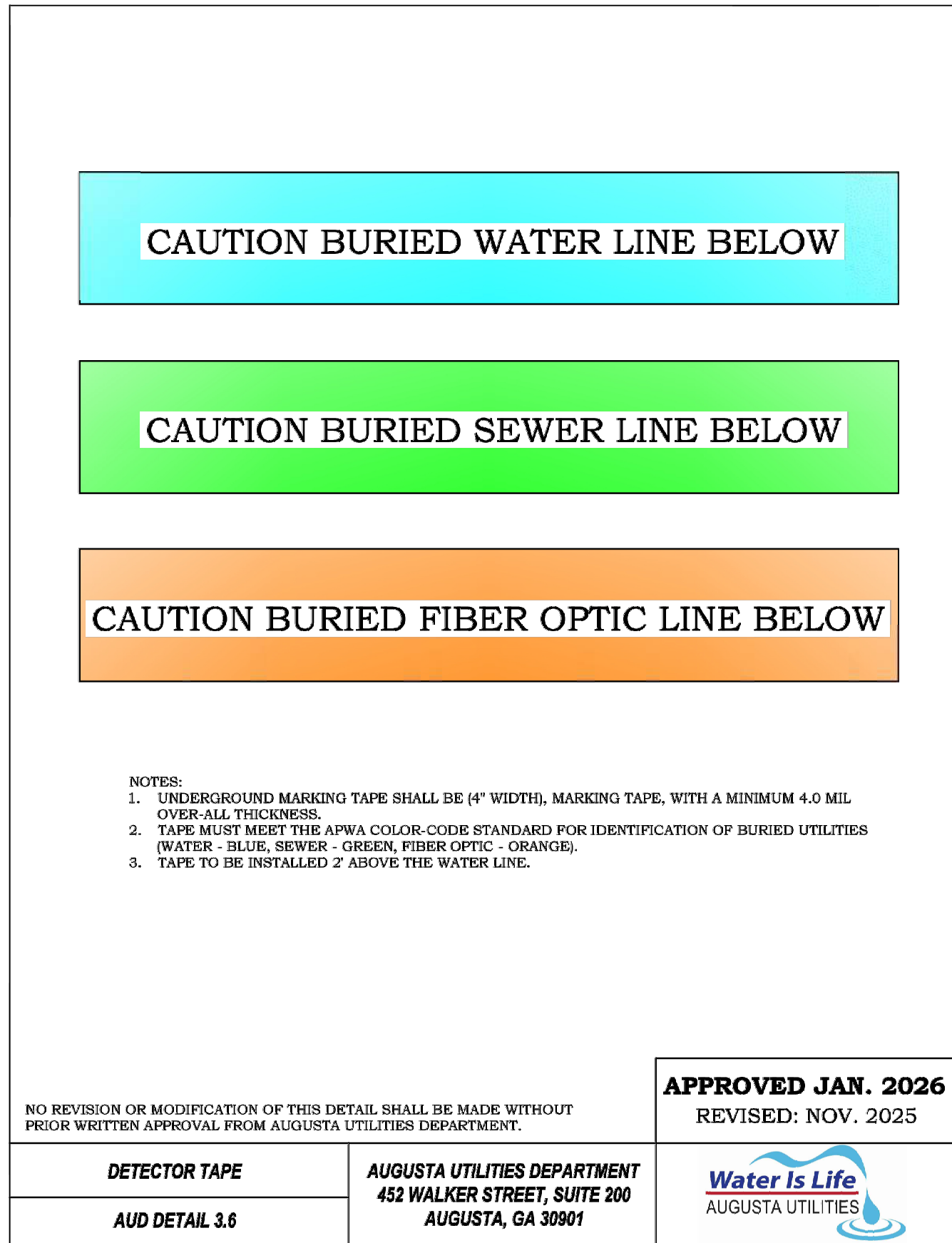
2 Typical Trench - Sanitary Sewer
SECTION
SCALE: NOT TO SCALE



4 Precast Manhole
SECTION
SCALE: NOT TO SCALE



6 Sanitary Sewer Cleanout
SECTION
SCALE: NOT TO SCALE



8 Detector Tape
DIAGRAM
SCALE: NOT TO SCALE

BOYKIN ROAD PARK - PARK IMPROVEMENTS

CONSTRUCTION DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

DETAILS AND SECTIONS

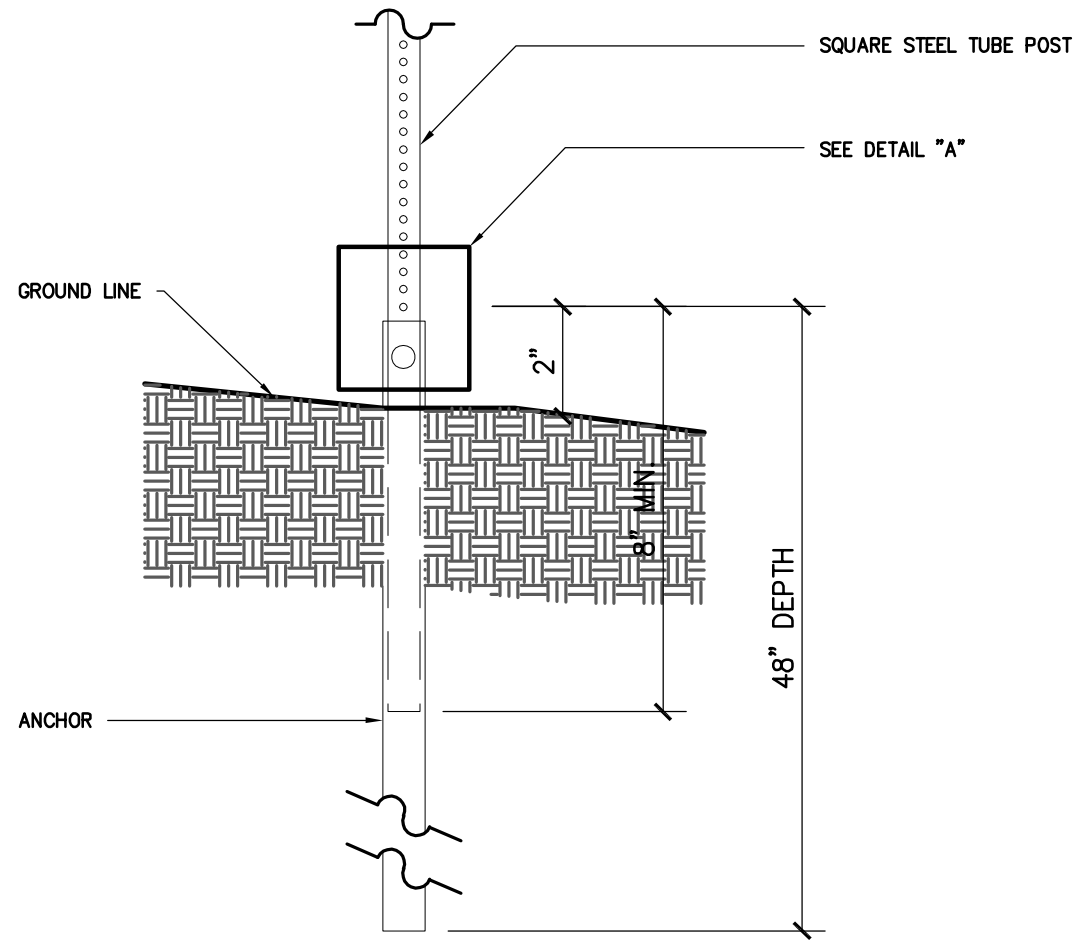
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Issue Date: 01/30/26	Project No.: 093489.000	Scale: AS SHOWN

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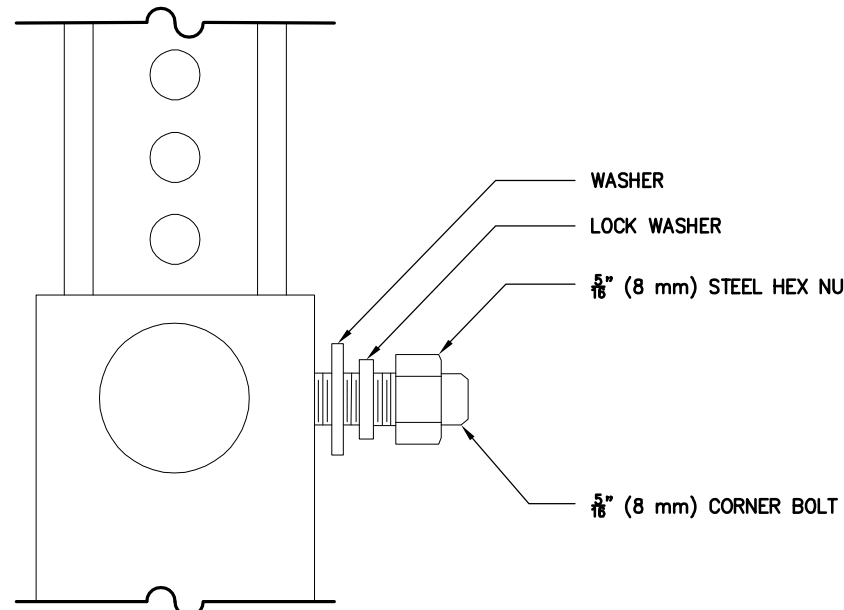
C-606

Sheet 30 of 42

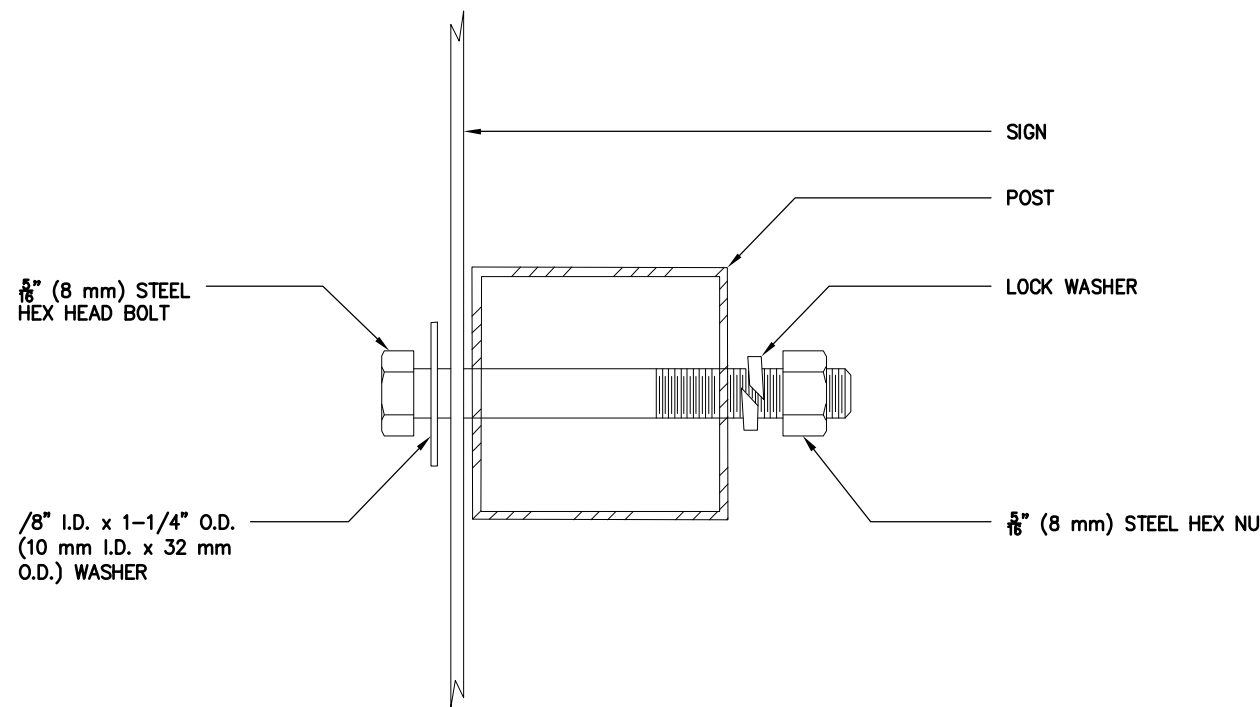
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Saved: 1/29/2026 12:36:18 PM FileRef: 1/29/2026 3:05:49 PM Current User: Wilson, Scott Last Saved By: 0720



TYPICAL SQUARE POST / ANCHOR
BASE INSTALLATION



DETAIL "A"

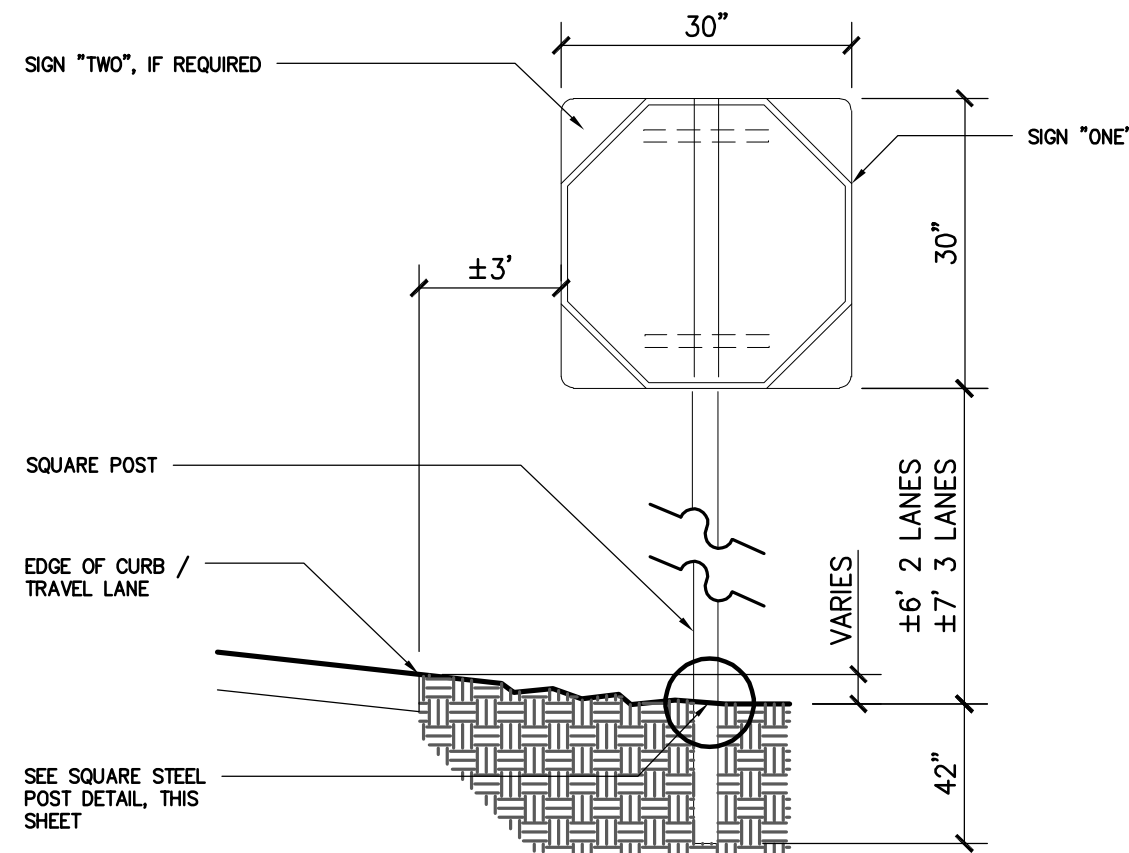


SQUARE SIGN POST ATTACHMENT DETAIL

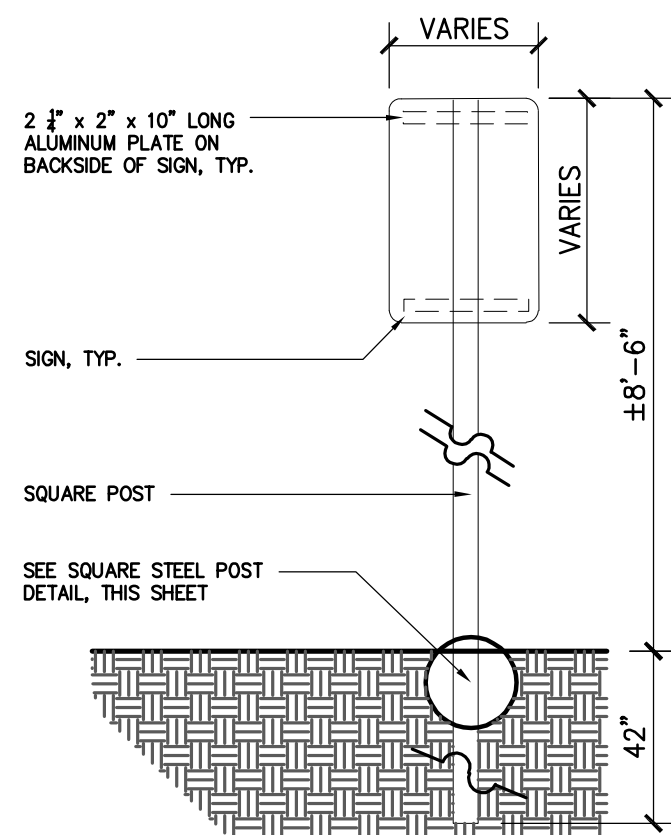
GENERAL NOTES

- SQUARE STEEL TUBE, 2" x 2" x 0.083, ACCORDING TO ASTM A53 OR ASTM A501. ANCHOR BASE 2.25" x 2.25" x 0.105.
- ALL STAINLESS STEEL HARDWARE, ACCORDING TO ASTM A320 / A320M 300 SERIES. FURNISH BOLTS, SCREWS, NUTS, WASHERS, HANDHOLE COVER CHAINS, AND U-BOLTS THAT ARE PASSIVATED COMMERCIAL GRADE.
- ALL SIGNS, POSTS, CONNECTORS, AND INSTALLATIONS SHALL BE COMPLIANT WITH CURRENT M.U.T.C.D. (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES), D.O.T. (STATE DEPARTMENT OF TRANSPORTATION), AND H.H.W.A. (FEDERAL HIGHWAY ADMINISTRATION) GUIDELINES AND SPECIFICATIONS.
- ATTACH THE SIGN PANELS TIGHTLY TO THE POST AND USE OVERSIZED WASHERS TO KEEP THE SIGN FROM BREAKING LOOSE.
- CORE DRILL FOR SIGN POSTS PLACED IN PAVEMENT AND CONCRETE AND GROUT FILL.

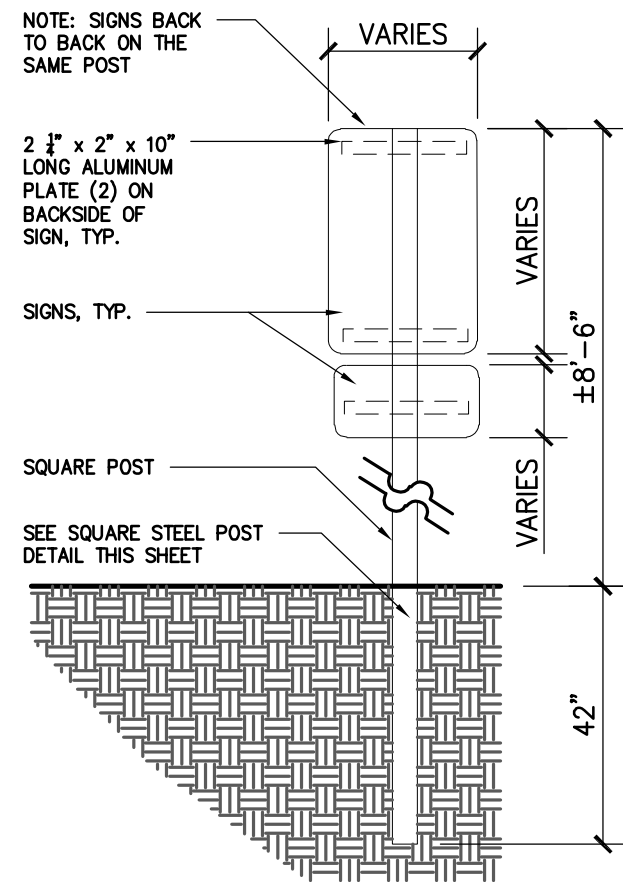
1 Square Steel Tube Post
PLAN, SECTION, AND ELEVATION
SCALE: NOT TO SCALE



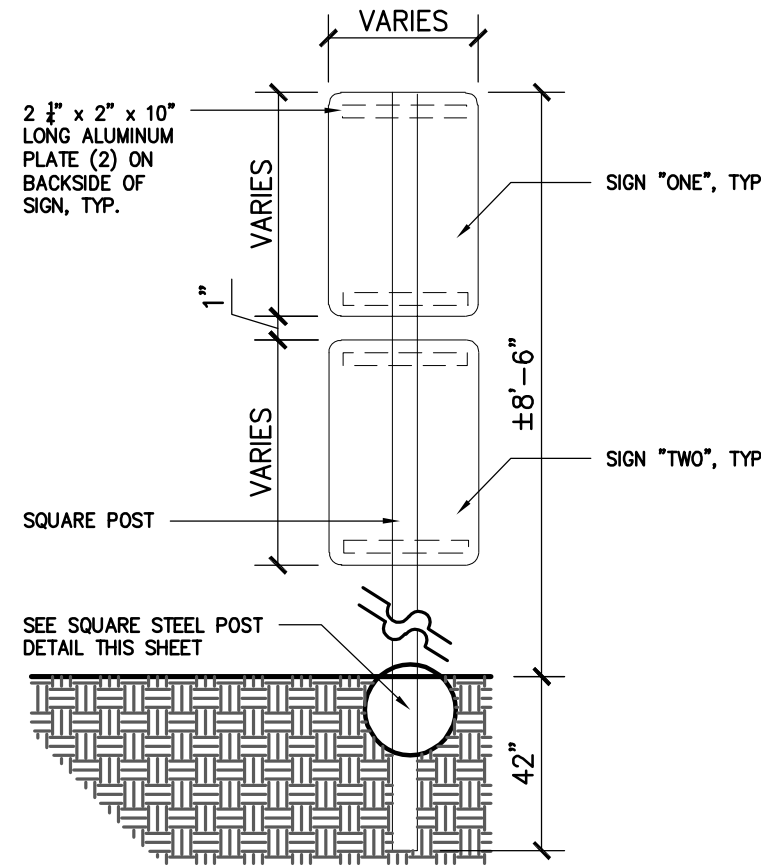
2 Stop Sign
ELEVATION
SCALE: NOT TO SCALE



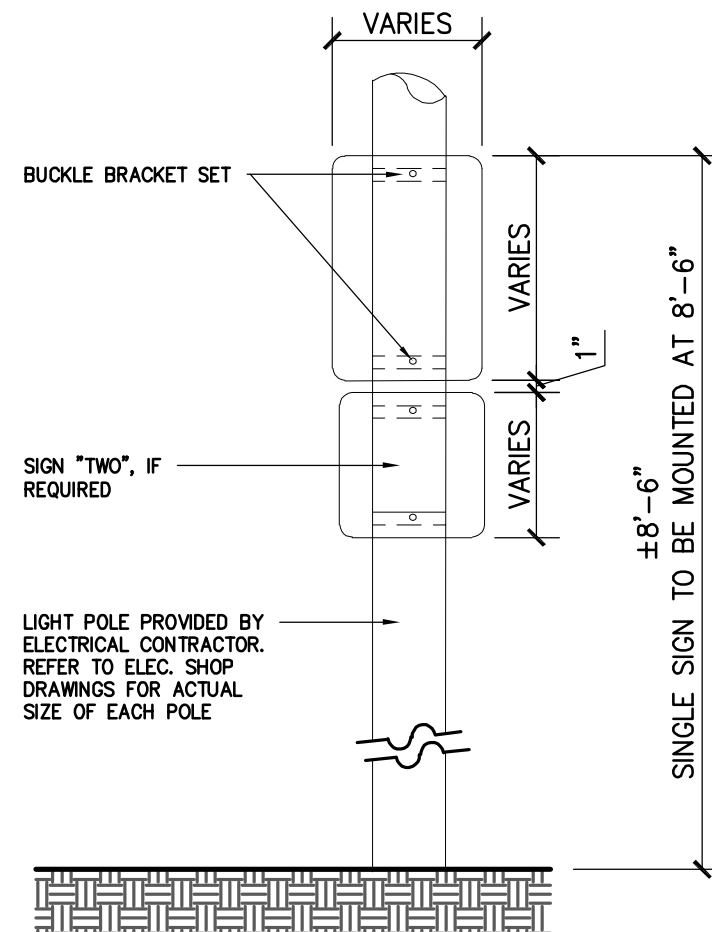
3 Single Mounted Sign Detail
ELEVATION
SCALE: NOT TO SCALE



4 Double Mounted Sign Back / Back - Top / Bottom
ELEVATION
SCALE: NOT TO SCALE



5 Sign Mounted Top / Bottom
ELEVATION
SCALE: NOT TO SCALE



GENERAL NOTES

- FOR "FIRE LANE" SIGNS, ROTATE SIGN 30° FROM ROAD TOWARD ONCOMING TRAFFIC

6 Sign(s) Mounted on Light Pole
ELEVATION
SCALE: NOT TO SCALE

ALL SIGNS, POSTS, CONNECTORS, AND INSTALLATIONS SHALL BE COMPLIANT WITH CUT M.U.T.C.D. (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES), D.O.T. (STATE DEPARTMENT OF TRANSPORTATION), AND F.H.W.A. (FEDERAL HIGHWAY ADMINISTRATION) GUIDELINES AND SPECIFICATIONS.

ALL FIRE LANE SIGNS AND FIRE DEVICE SIGNS SHALL COMPLY WITH LOCAL FIRE DEPARTMENT REQUIREMENTS.

KEY	DESCRIPTION	GRAPHIC - NOT TO SCALE
A	STOP	 24" x 24" OR 30" x 30", SEE PLANS AND DETAIL, THIS SHEET 18 GAUGE, REFLECTIVE ALUMINUM RED BACKGROUND WHITE TEXT WHITE BORDER R1-1
B	VAN ACCESSIBLE	 12" x 6" 18 GAUGE, REFLECTIVE ALUMINUM GREEN TEXT WHITE BORDER, BACKGROUND R7-BP
C	DISABILITY ACCESSIBLE SYMBOL RESERVED PARKING	 18" x 12" 18 GAUGE, REFLECTIVE ALUMINUM GREEN TEXT WHITE SYMBOL, BACKGROUND, BORDER BLUE BACKGROUND R7-B
D	MAXIMUM PENALTY \$250	 6" x 12" 18 GAUGE, REFLECTIVE ALUMINUM GREEN TEXT, BORDER WHITE BACKGROUND
E	NO PARKING FIRE LANE ARROW LEFT & RIGHT	 12" x 18" 18 GAUGE, REFLECTIVE ALUMINUM RED TEXT, BORDER, ARROWS WHITE BACKGROUND, BORDER
F	NO PARKING ANY TIME	 12" x 18" 18 GAUGE, REFLECTIVE ALUMINUM RED TEXT, BORDER, ARROWS WHITE BACKGROUND, BORDER R7-1
G	NO PARKING LOADING ZONE	 12" x 18" 18 GAUGE, REFLECTIVE ALUMINUM RED TEXT, BORDER, ARROWS WHITE BACKGROUND, BORDER R7-6

BOYKIN ROAD
PARK - PARK
IMPROVEMENTS

CONSTRUCTION
DOCUMENTS

2345 BOYKIN ROAD
CITY OF AUGUSTA,
RICHMOND COUNTY,
GEORGIA

No.	Submittal / Revision	Appr	By	Date

DETAILS AND
SECTIONS

Designed By: SDW	Drawn By: SDW	Checked By: PG
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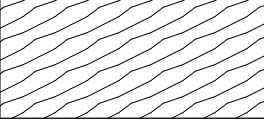
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C-607

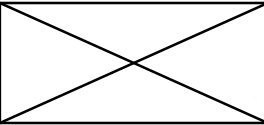
Sheet 31 of 42

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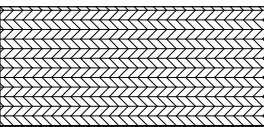
Material Symbols



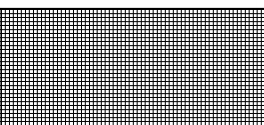
FINISHED WOOD



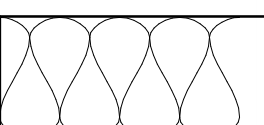
ROUGH WOOD



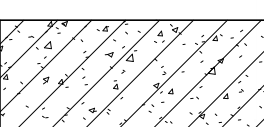
PLYWOOD



RIGID INSUL.



GLASS FIBER INSUL.



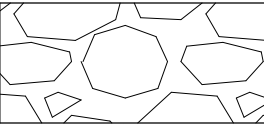
PRECAST CONCRETE



PVC TRIM



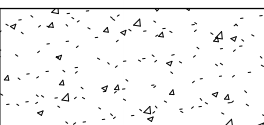
EARTH



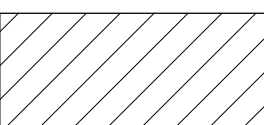
AGGREGATE BASE



SAND/GYPSUM BOARD



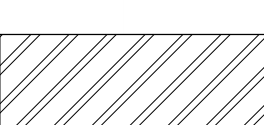
CONCRETE



BRICK

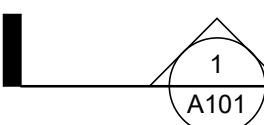


CONCRETE MASONRY UNIT

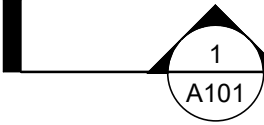


METALS

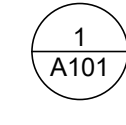
Drawing Symbols



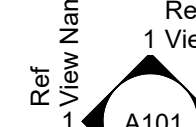
WALL SECTION MARKER
SECTION IDENTIFICATION
DRAWING NUMBER



BUILDING SECTION MARKER
SECTION IDENTIFICATION
DRAWING NUMBER



DETAIL MARKER
DETAIL IDENTIFICATION
DRAWING NUMBER



INTERIOR ELEVATION MARKER
ELEVATION IDENTIFICATION
ELEVATION DRAWING IDENTIFICATION



ROOM IDENTIFICATION
ROOM NAME
ROOM NUMBER
ANY ADD. INFO



PLAN NOTE
PLAN NOTE NUMBER



WALL TYPE
WALL TYPE NUMBER



DOOR IDENTIFICATION
DOOR NUMBER



WINDOW IDENTIFICATION
WINDOW MARK



0 HR. SMOKE PARTITION

Abbreviations

AC

AIR CONDITIONING

A.C.T.

ACOUSTICAL CEILING TILE

AFF

ABOVE FINISHED FLOOR

ALUM

ALUMINUM

APT

APARTMENT

B&B

BALLED AND BURLAP

BD

BOARD

BLDG

BUILDING

BLKG

BLOCKING

CB

CATCH BASIN

CJ

CONTROL JOINT

CLR

CENTERLINE

CLG

CLEAR

CLG

CEILING

CMT

CERAMIC MOSAIC TILE

CMU

CONCRETE MASONRY UNIT

CONC

CONCRETE

CPT

CARPET

CT

CERAMIC TILE

DN

DOWN

DS

DOWN SPOUT

DWG

DRAWING

EXIST

EXISTING

MECH

MECHANICAL

E.C.

ELECTRICAL CONTRACTOR

E.I.F.S.

EXTERIOR INSULATION FINISH SYSTEM

E.J.

EXPANSION JOINT

ELEV

ELEVATION

EQ

EQUAL

EXT

EXTERIOR

FD

FLOOR DRAIN

FIN

FINISH

FLR

FLOOR

FLUOR

FLUORESCENT

FE

FIRE EXTINGUISHER

FT

FOOT/FEET

G

GAS LINE

GAL

GALLON

GWB

GYPSUM WALL BOARD

GYP

GYPSUM

H

HEAD

H.C.

HEATING CONNECTOR

HM

HOLLOW METAL

HT

HEIGHT

HORIZ

HORIZONTAL

HWR

HOT WATER RETURN

HWS

HOT WATER SUPPLY

INSUL

INSULATION

J

JAMB

L.P.

LAMINATED PLASTIC

LAM

LAMINATE

MAS

MASONRY

MECH

MECHANICAL

MAX

MAXIMUM

MIN

MINIMUM

M.H.

MAN HOLE

MTL

METAL

MK

MARK

MRCWB

MOISTURE RESISTANT GYPSUM WALL BOARD

N

NORTH

NIC

NOT IN CONTRACT

NTS

NOT TO SCALE

O.C.

ON CENTER

P.C.

PLUMBING CONTRACTOR

PLAS

PLASTIC

P/PLAM

PLASTIC LAMINATE

PLUMB

PLUMBING

PP

PEAT POT

PT

PRESSURE TREATED

PTD

PAINTED

P.V.C.

POLYVINYL CHLORIDE

QT

QUARRY TILE

QUA

QUANTITY

RC

ROOT CUTTING

RD

ROOF DRAIN

REQ'D

REQUIRED

SIM

SIMILAR

STL

STEEL

TB

TOWEL BAR

TTD

TOILET TISSUE DISPENSER

TYP

TYPICAL

V

VINYL

VCT

VINYL COMPOSITION TYLE

VERT

VERTICAL

VWC

VINYL WALL COVERING

W

WITH

WD

WOOD

WWF

WELDED WIRE FABRIC

Project Data

BUILDING CODE DATA

1. **PROJECT:** Big Oak Park Improvements

LOCATION: 2803 Boy Scout Rd, Augusta, GA 30909

2. **APPLICABLE CODES:** <https://www.augustaga.gov/1167/Construction-Repairs-Renovations-Codes>

A. Building Code: 2018 International Building Code w/ 2020 GA Amendments

B. Fire: 2018 International Fire Code w/ 2020 GA Amendments

C. Life Safety Code: 2018 NFPA 101 w/ 2020 GA Amendments

D. Mechanical: 2018 International Mechanical Code w/ 2020 GA Amendments

E. Plumbing: 2018 International Plumbing Code w/ 2020 GA Amendments

F. Electrical: 2017 National Electric Code (No GA Amendments)

G. Gas: 2018 Fuel Gas Code w/ 2020 GA Amendments

H. Energy: 2015 International Energy Conservation Code w/ 2020 GA Supplements & Amendments

I) Accessibility: 2010 ADA / ICC/ANCI A117.1

3. BUILDING USE, CONSTRUCTION CLASSIFICATIONS AND HEIGHT:

Occupancy Classification and Use: IBC (Sect. 302)

Primary Occupancies:

• Assembly

A-3

Accessory Occupancies:

• Storage (Moderate-hazard)

S-1

Building Data:

Type of Construction

Sprinklered

Allowable Building Height (Table 504.3)

Allowable Number of Stories Above Grade (Table 504.4)

Maximum Allowable Area (Table 506.2)

Actual Area

Pavilion

IIB

No

55 FT

2

9,500 SF

1,800 SF (Canopy)

506.2 Allowable Area Determination (506.2.1Single-occupancy, one-story buildings)

$W=(L1 \times W1)/F$

$W=(450 \times 60)/450$

$W=60$

$LF=[F/P - 0.25]W/30$

$LF=[450/450 - 0.25] 60/30$

$LF=[1 - 0.25] 2$

$LF=.75 \times 2$

$LF=1.5$

$Aa=[At + (NS \times Lf)]$

$Aa=9,500 + (9,500 \times 1.5)$

$Aa=9,500 + (14,250)$

Aa=23,750 SF Allowable Area

4. OCCUPANCY LOADS:

Use

IBC (Table - 1004.5)

Pavilion:

Assembly (Fixed Seats): 6 Tables at 8 occupants per table = 48

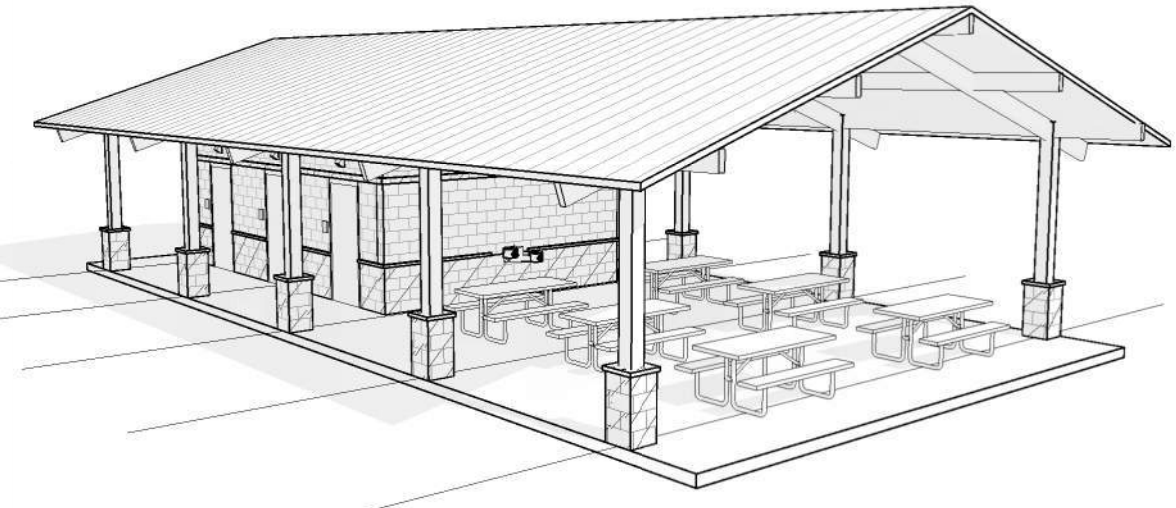
Storage (300 Gross): 19 SF / 300 = 1

Total: 49 Occupants

5. BUILDING FIRE RATINGS: IBC (601, 602)

	TYPE IIB Sprinklered
STRUCTURAL FRAME (Table 601)	0
Including Columns, Girders, Trusses	
EXTERIOR BEARING WALL (Table 601)	0
INTERIOR BEARING WALL (Table 601)	0
EXTERIOR NON-BEARING WALL (Table 602)	0 (X>30) 1 (10<X<30)
INTERIOR NON-BEARING WALL (Table 601)	0
FLOOR CONSTRUCTION (Table 601)	0
Including Supporting Beams & Joists	
ROOF CONSTRUCTION (Table 601)	0
Including Supporting Beams & Joists	

3D Perspective



Typical Mounting Heights

DIMENSION FROM FINISH FLOOR TO:

TOP OF UNIT

TOP OF UNIT

BOTTOM EDGE OF REFLECTIVE SURFACE

TOP OF UNIT

BOTTOM

TOP OF BAR

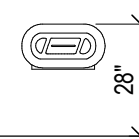
TOP OF BAR

TOP OF BAR

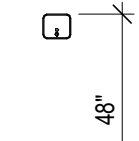
BOTTOM

BOTTOM

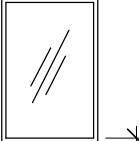
MOUNTING HEIGHT:



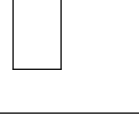
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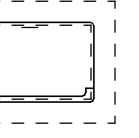
48"



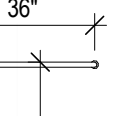
40"



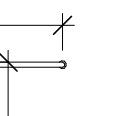
2'-10"



2'-5"



36"



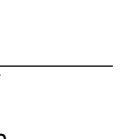
42"



18"



1'-3 1/2"



37"

ITEM:

TOILET PAPER DISPENSER

SOAP DISPENSER

MIRROR @ COUNTER OR LAVATORY

WASTE RECEPTACLE

BABY CHANGING STATION

36" GRAB BAR

42" GRAB BAR

18" GRAB BAR

SANITARY NAPKIN DISPENSER

ELECTRIC HAND DRYER

ACCESSORY SYMBOL TAG:

01

02

03

04

05

06

07

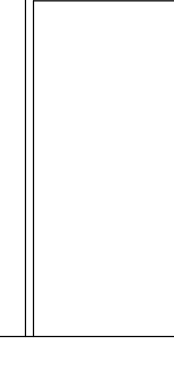
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TOILET ACCESSORY MOUNTING HEIGHTS

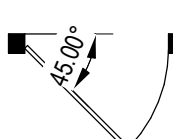
1/4" = 1'-0"



ROOM NAME

48" MIN

60" MAX



45°

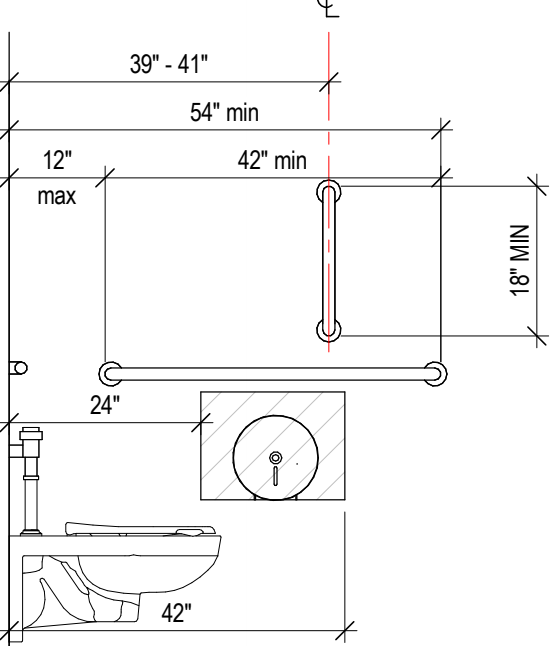
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CENTERED ON TACTILE CHARACTERS

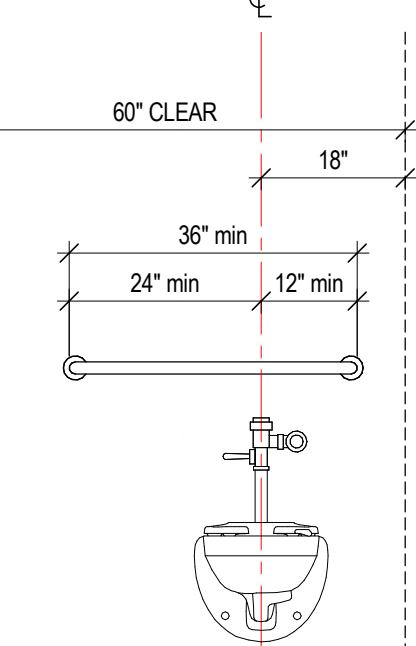
HEIGHT OF TACTILE CHARACTERS ABOVE FINISH FLOOR OR GROUND

LOCATION OF TACTILE SIGNS AT DOORS

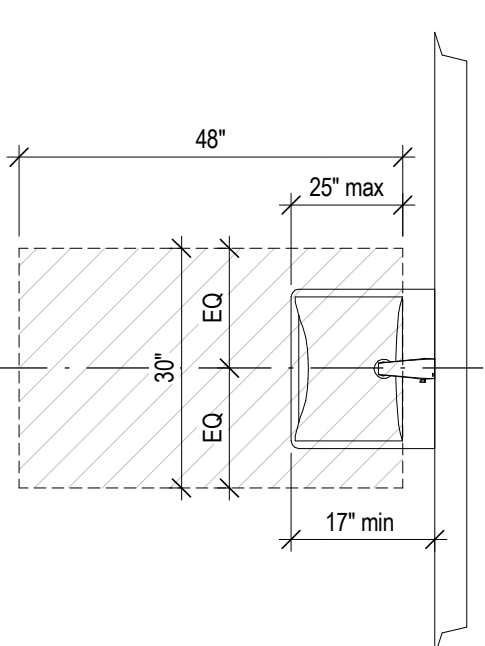
SIGNAGE MOUNTING HEIGHT



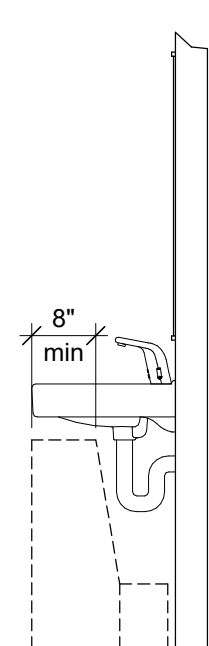
(A) ACCESSIBLE TOILET
SIDE ELEVATION



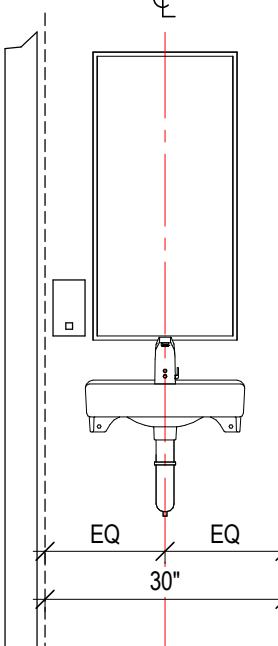
(A) ACCESSIBLE TOILET
FRONT ELEVATION



(A) ACCESSIBLE LAVATORY
CLEAR FLOOR SPACE



(A) ACCESSIBLE LAVATORY
SIDE ELEVATION



(A) ACCESSIBLE LAVATORY
FRONT ELEVATION

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CITY OF AUGUSTA
BOYKIN PARK
RICHMOND COUNTY, GA

No.

Submital / Revision

App'd

By

Date

100% CD PG 3 BEB 01/30/2026

PROJECT DATA,
SYMBOLS, &
ABBREVIATIONS

Designed By:
KDL

Drawn By:
BEB

Checked By:
CM

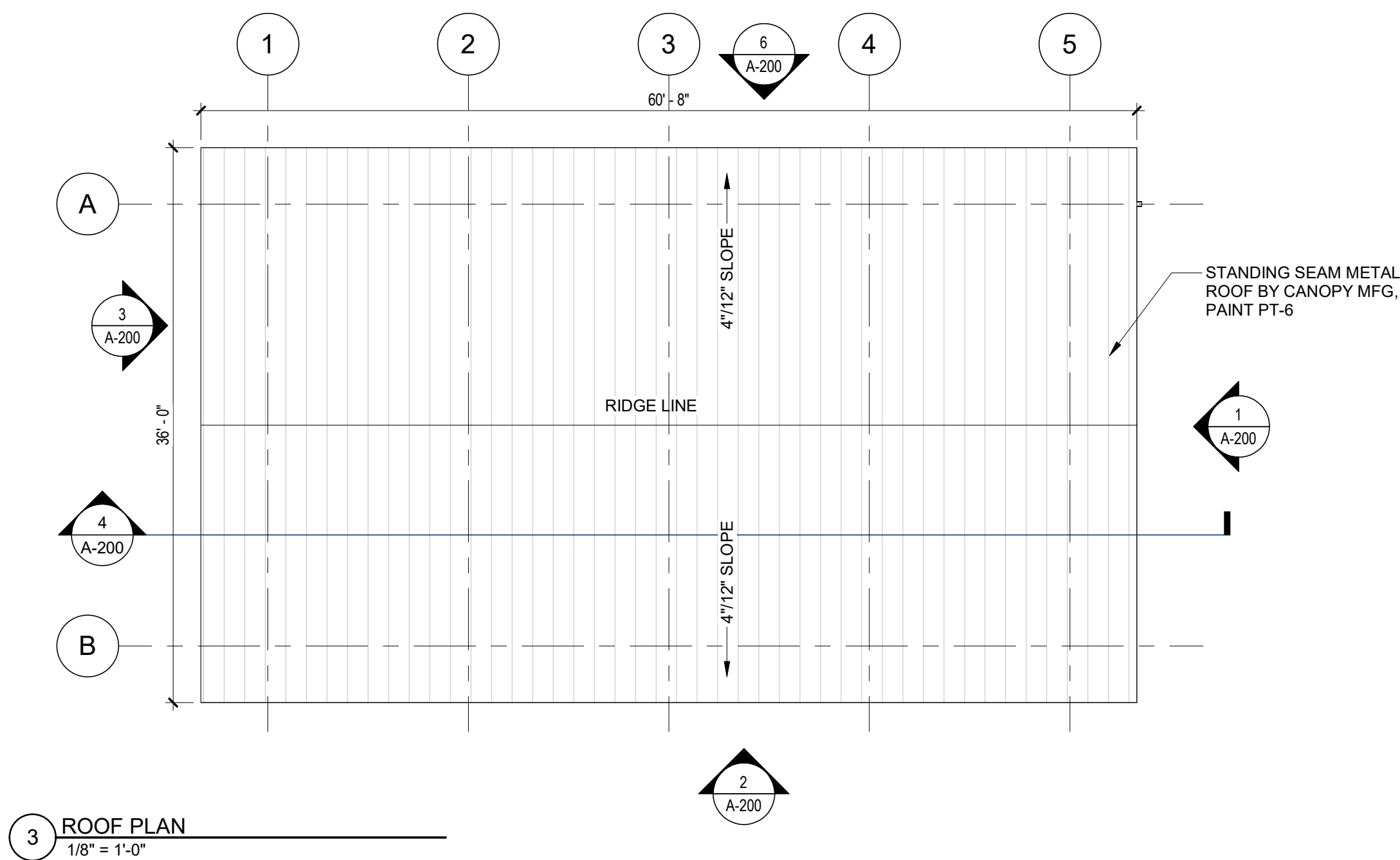
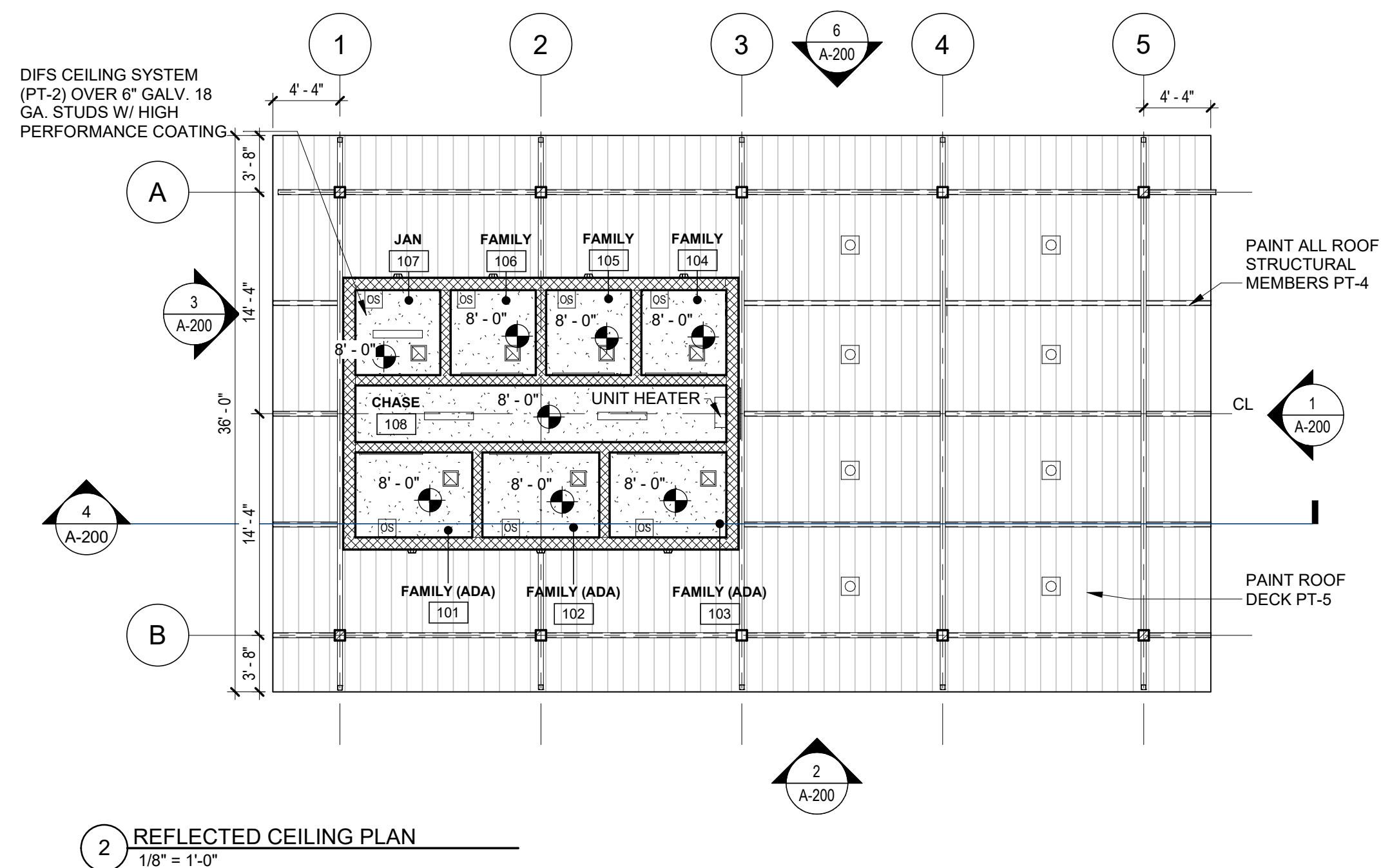
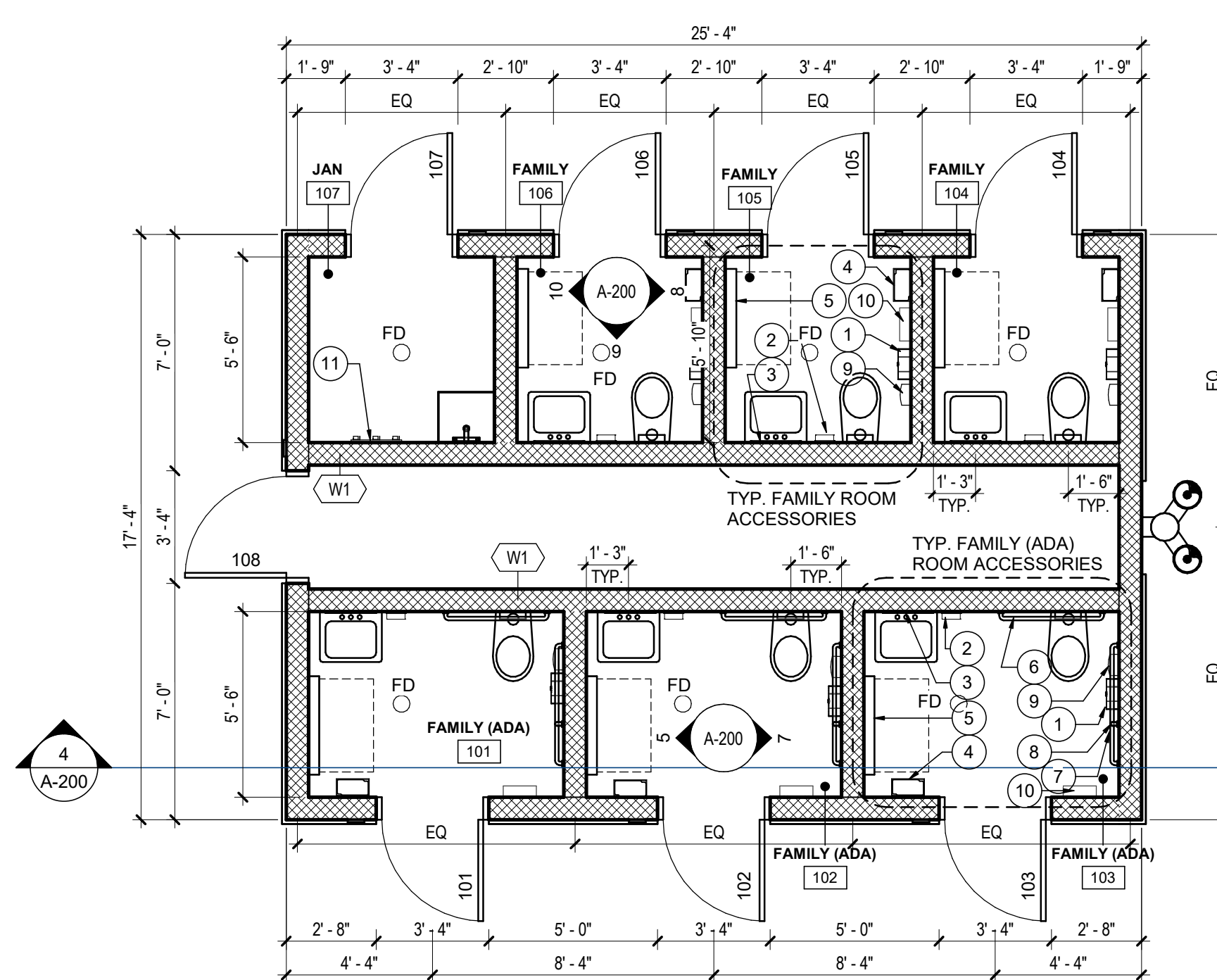
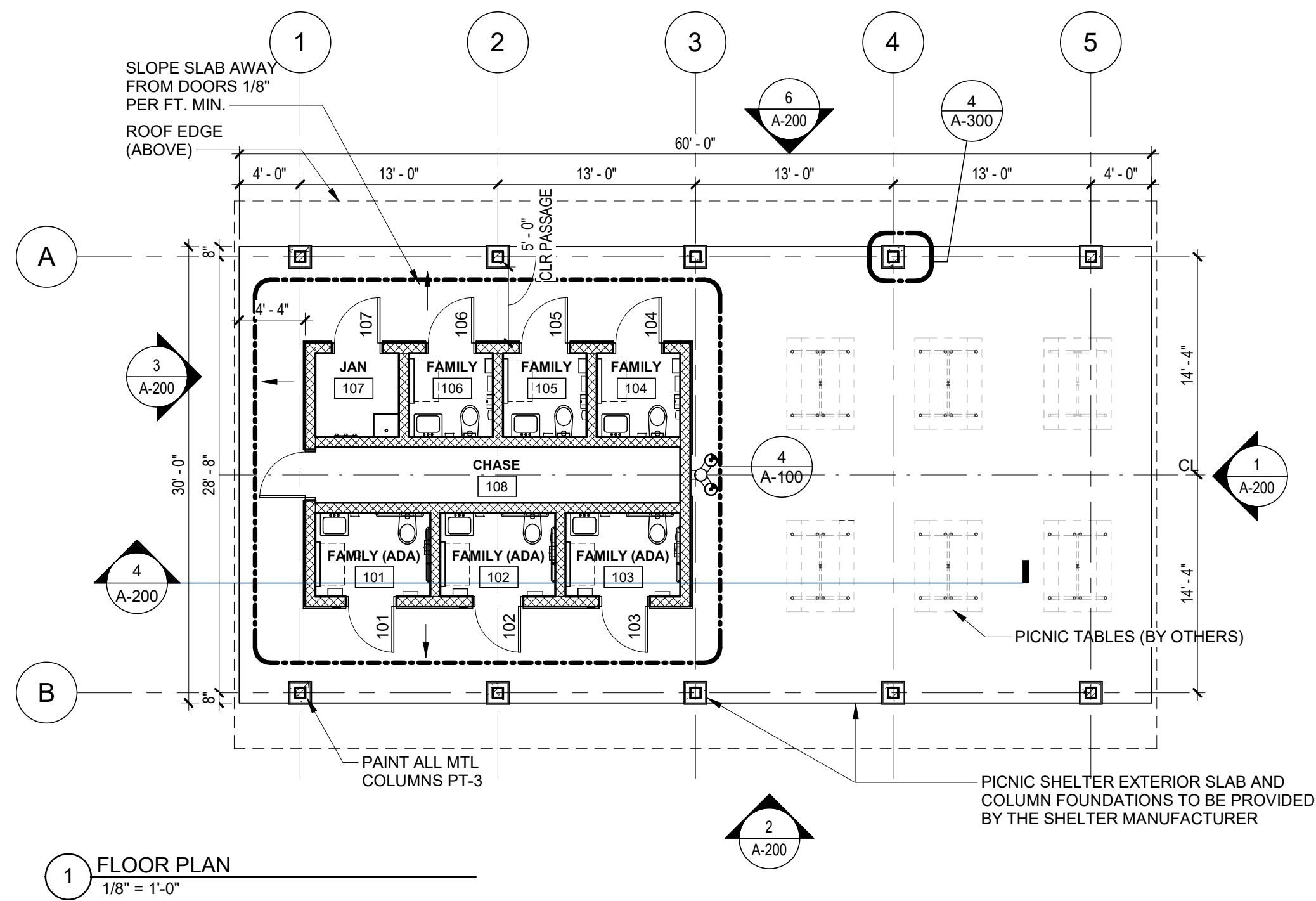
Issue Date:
09/30/2024

Project No:
080083

Scale:
AS SHOWN

Drawing No:
G-001

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RCP LEGEND

NOTES:

- 1 MECHANICAL AND ELECTRICAL ITEMS SHOWN FOR COORDINATION PURPOSES ONLY.
- 2 REFER TO MEP PLANS FOR CEILING EQUIPMENT LOCATIONS & SIZES.
- 3 ACCESS PANELS TO BE INSTALLED IN ALL HARD CEILINGS ADJACENT TO ALL CEILING MOUNTED VALVES & HVAC EQUIPMENT REQUIRING MAINTENANCE. LOCATIONS SHALL BE COORDINATED AS PART OF COORDINATED DRAWING PROCESS.

	DIRECT APPLIED FINISH SYSTEM (DIFS)
	V - 4' VANDAL RESISTANT LIGHT
	E - 4' LED STRIP
	P - PENDANT LIGHT FIXTURE
	N - WALL MOUNT LIGHT FIXTURE
	OCCUPANCY SENSOR
	MECH FAN

CEILING NOTES

1. CEILING PLANS DO NOT SHOW EVERY FIXTURE OR COMPONENT. REFER TO ELECTRICAL, PLUMBING, MECHANICAL AND STRUCTURAL DRAWINGS FOR EXTENT OF ALL CEILING PENETRATIONS AND INSTALLATIONS AND COORDINATE PRIOR TO INSTALLATION.

PLAN GENERAL NOTES

1. WORK FROM GIVEN DIMENSIONS. IN GENERAL, LARGE-SCALE DETAILS TAKE PRECEDENCE OVER SMALLER SCALE PLANS, ELEVATIONS AND BUILDING SECTIONS. NOTIFY THE ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES PRIOR TO COMMENCING THE WORK, AND DO NOT BEGIN WORK UNTIL SUCH DISCREPANCIES ARE RESOLVED BY THE ARCHITECT.
2. DO NOT SCALE THE DRAWINGS.
3. DIMENSIONS INDICATED AS "CLEAR" SHALL BE MAINTAINED IN CASES OF DISCREPANCY.
4. UNLESS NOTED OTHERWISE, THE LOCATION OF DOOR FRAMES SHALL BE:
 - CMU PARTITIONS: 4" FROM THE ADJACENT WALL TO THE HINGE SIDE OF THE ROUGH OPENING.
5. MASONRY OPENING OR ROUGH OPENING DIMENSIONS INDICATED ARE NOMINAL DIMENSIONS AND MAY NOT MATCH THE ACTUAL DIMENSIONS OF THE PRODUCT. COORDINATE ALL MASONRY OPENINGS AND ROUGH OPENINGS WITH THE ACTUAL WINDOW UNIT, DOORFRAME, CURTAIN WALL/STOREFRONT, OR LOUVER SIZES AND REQUIREMENTS.
6. DIMENSIONAL CONTROL:
 - EXTERIOR DIMENSIONS ARE TO:
 - CENTERLINE OF COLUMN
 - FACE OF MASONRY
 - FACE OF STUD
 - FACE OF CONCRETE
 - CENTERLINE OF WINDOW OPENING
 - ROUGH OPENING
 - MASONRY OPENING
 - INTERIOR DIMENSIONS ARE TO:
 - CENTERLINE OF COLUMN
 - FACE OF MASONRY
 - FACE OF STUD
 - FACE OF EXISTING FINISH MATERIAL

TOILET ACCESSORY SCHEDULE

NO	DESCRIPTION	BOD MFG	BOD MODEL	NOTES
01	TOILET PAPER DISPENSERS	-	-	OWNER PROVIDED CONTRACTOR INSTALLED
02	SOAP DISPENSER	-	-	OWNER PROVIDED CONTRACTOR INSTALLED
03	VANDAL-RESISTANT STAINLESS STEEL FRAMELESS MIRROR	BOBRICK	B-942	*1
04	SURFACE-MOUNTED WASTE RECEPTACLE	BOBRICK	B-279 (ADA COMPLIANT)	
05	BABY CHANGING STATION	BOBRICK	KB 310-SSWM	
06	GRAB BAR/TOILET BACK: 36"	BOBRICK	B-6806-36	*4
07	GRAB BAR/TOILET BACK: 42"	BOBRICK	B-6806-42	*4
08	GRAB BAR/TOILET BACK: 18"	BOBRICK	B-6806-18	*4
09	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT	BOBRICK	B-254	
10	WALL MOUNTED HAND DRYER	BOBRICK	B-7179 (ADA COMPLIANT)	
11	MOPIBROOM HOLDER	BOBRICK	B-239 X 34	*2

NOTES: SEE PLUMBING SCHEDULE FOR FIXTURES

U.N.O. ALL TO BE SUPPLIED AND INSTALLED BY GC

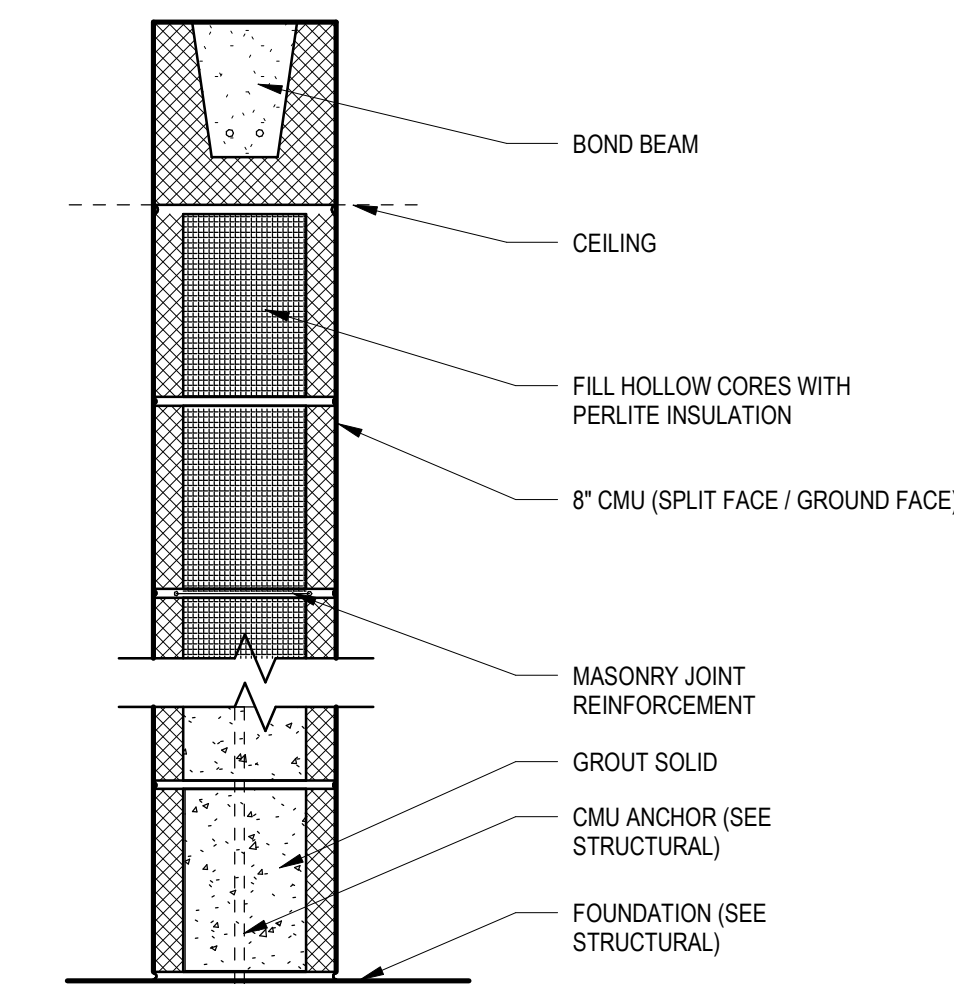
*1 INSTALL IN ALL RESTROOMS U.N.O. LOCATION & QUANTITY PER PLAN

*2 INSTALL IN ALL JANITOR'S CLOSETS U.N.O.

*3 INSTALL IN ALL WOMENS BATHROOM STALLS ONLY

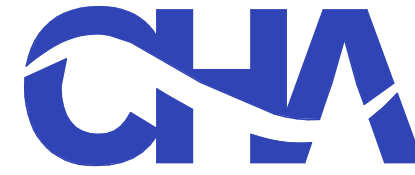
*4 INSTALL IN ALL ACCESSIBLE TOILET COMPARTMENTS

CMU PARTITION



7 PARTITION TYPE - W1
1 1/2\"/>

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CITY OF AUGUSTA
BOYKIN PARK
RICHMOND COUNTY, GA

No.	Submittal / Revision	App'd	By	Date
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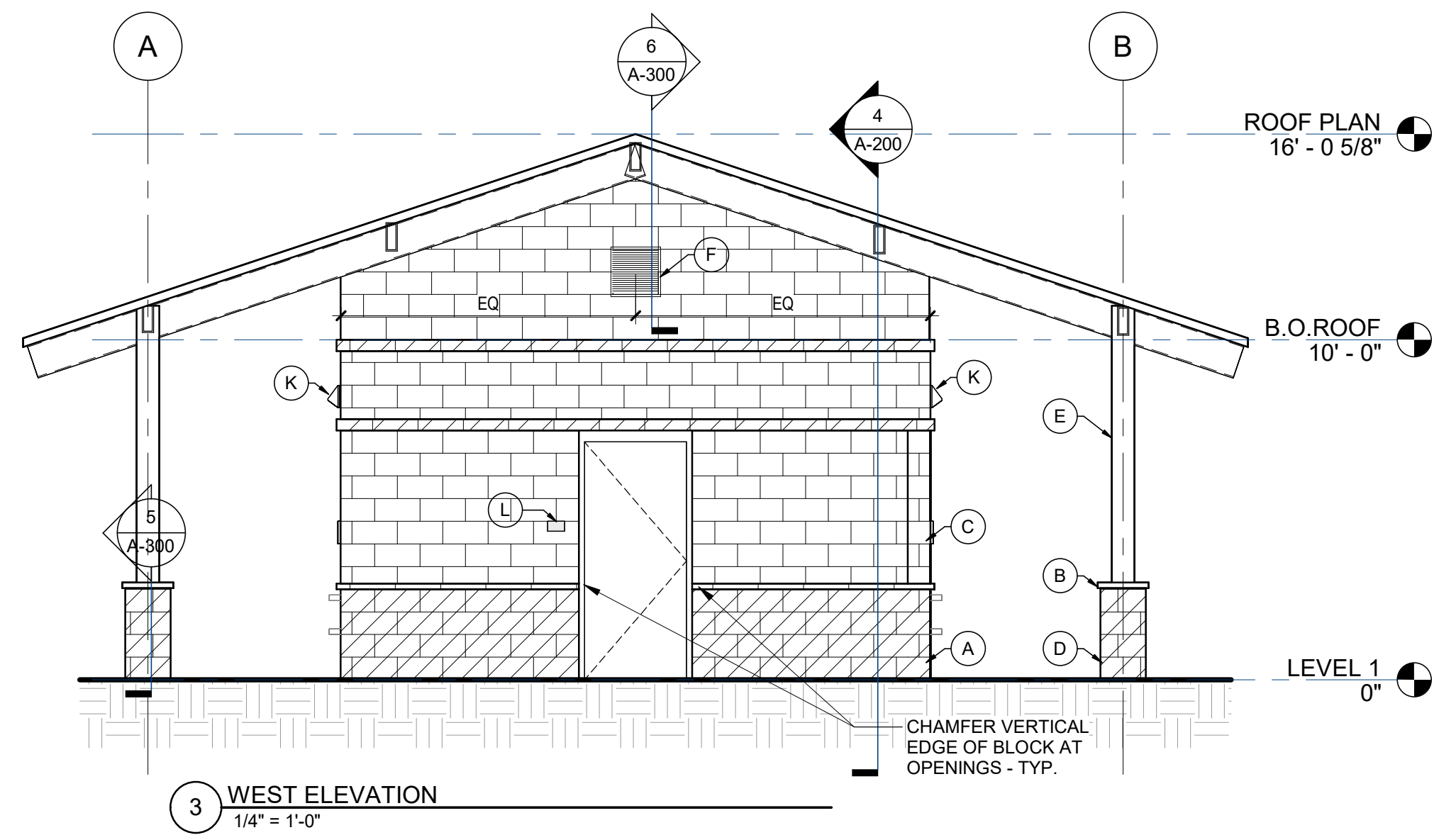
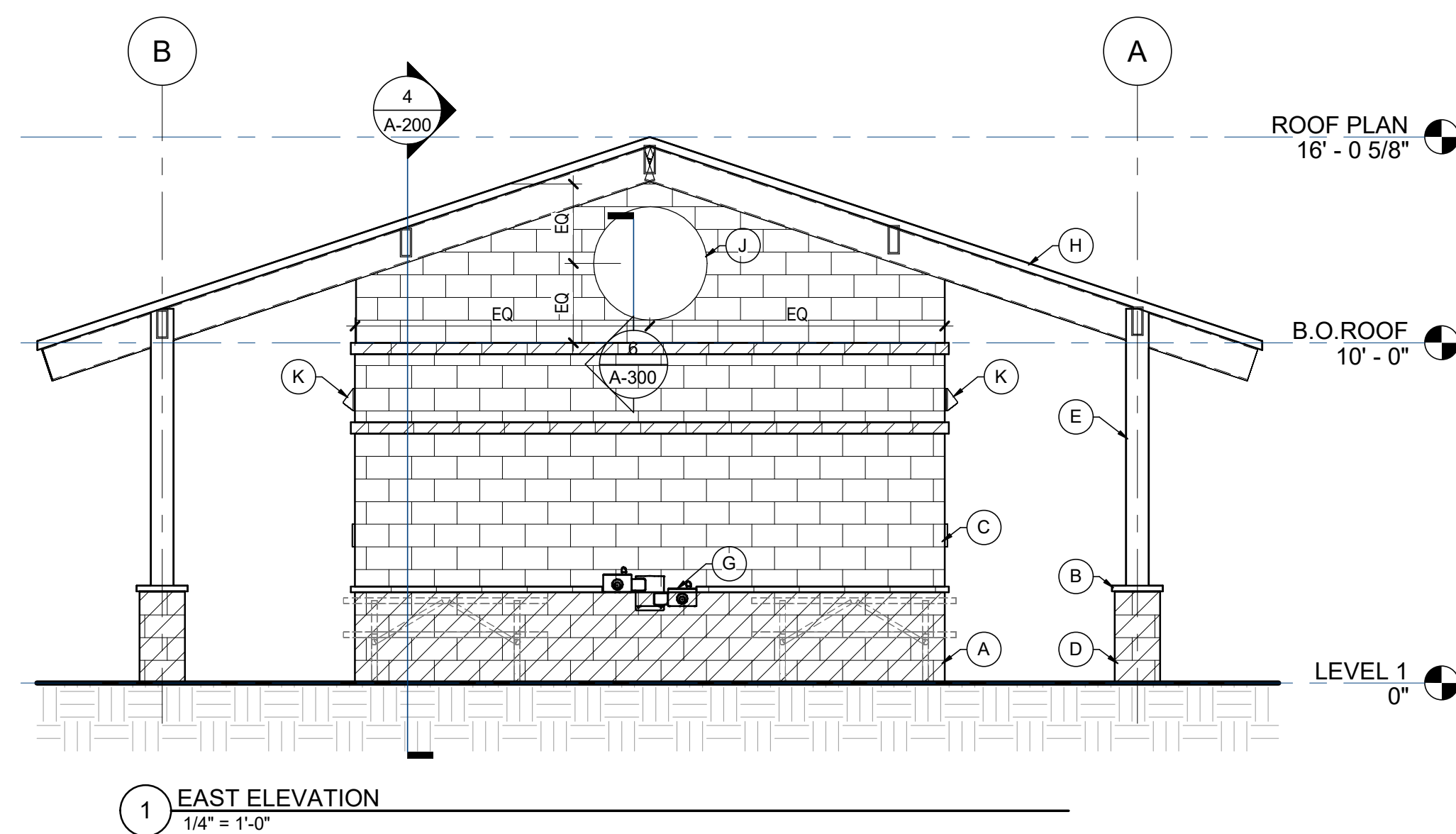
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FLOOR PLANS, CEILING
PLANS & ROOF PLANS

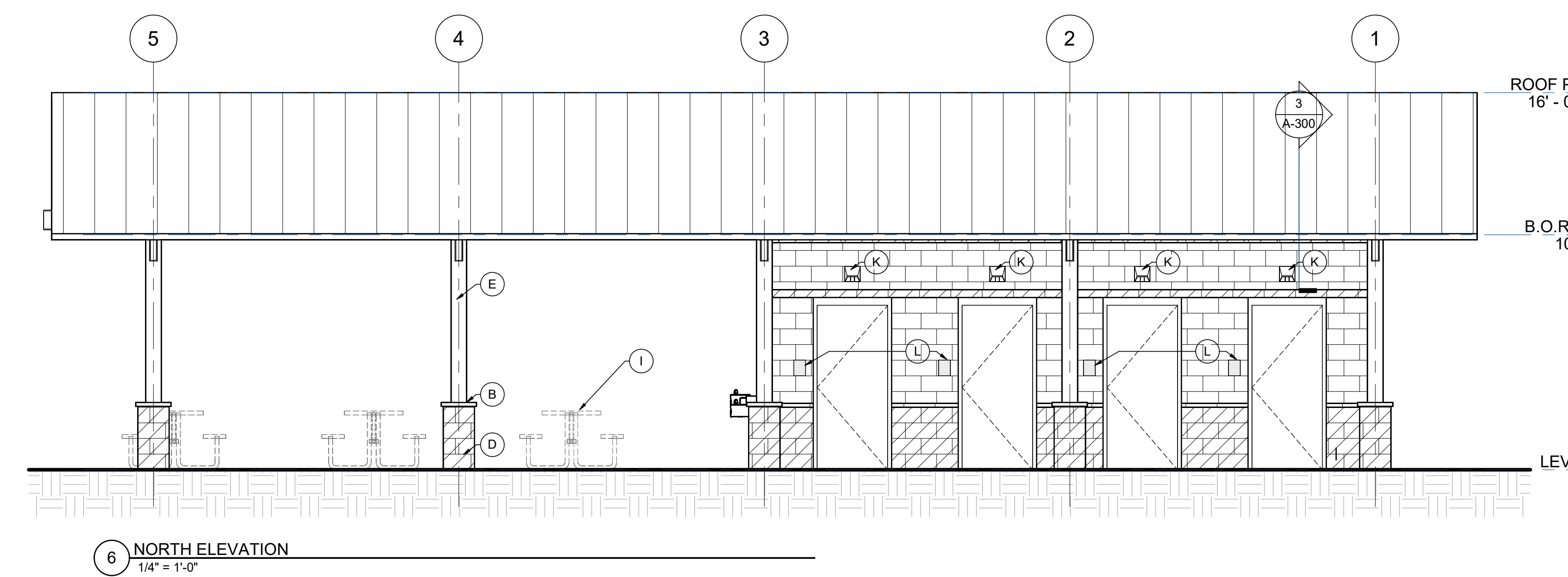
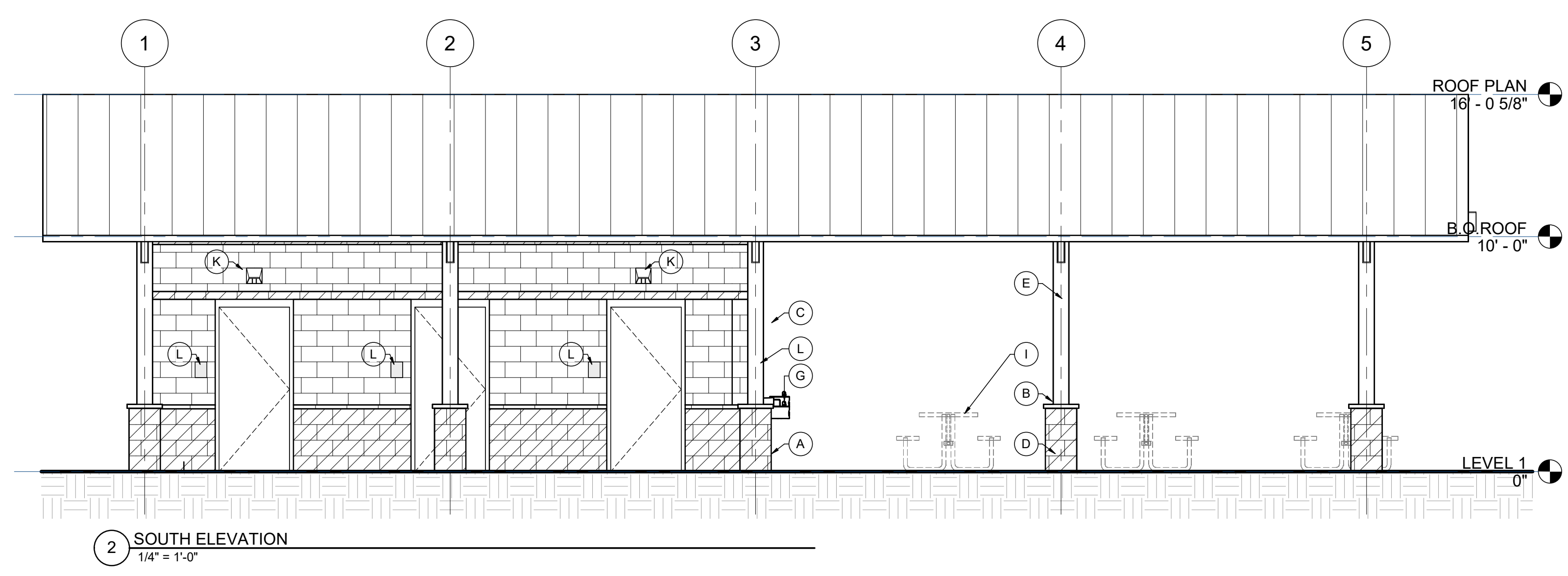
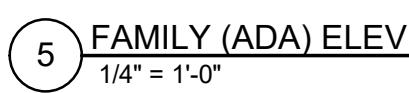
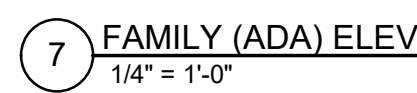
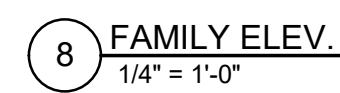
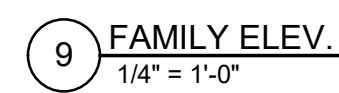
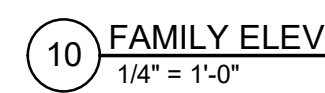
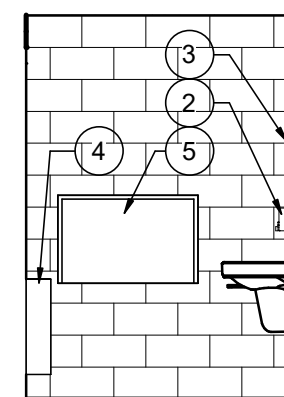
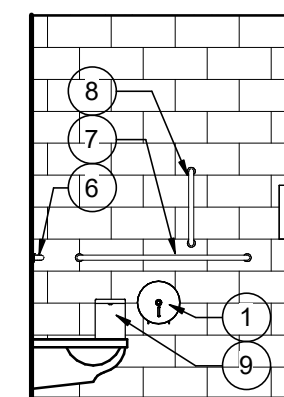
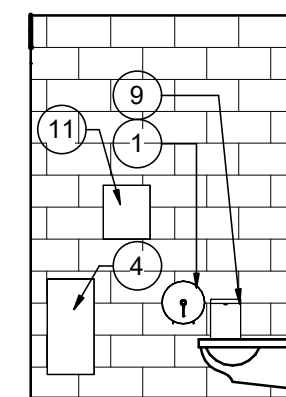
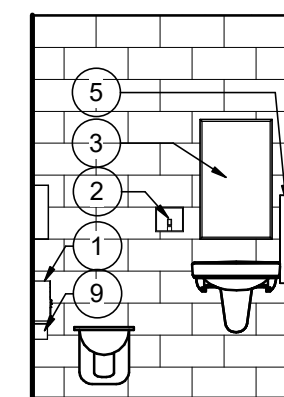
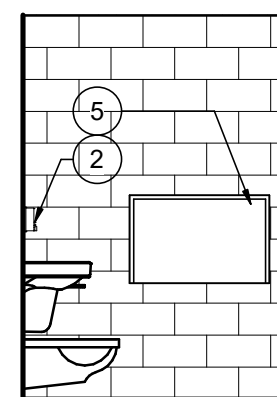
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Issue Date: 09/30/2024	Project No: 080083	Scale: AS SHOWN

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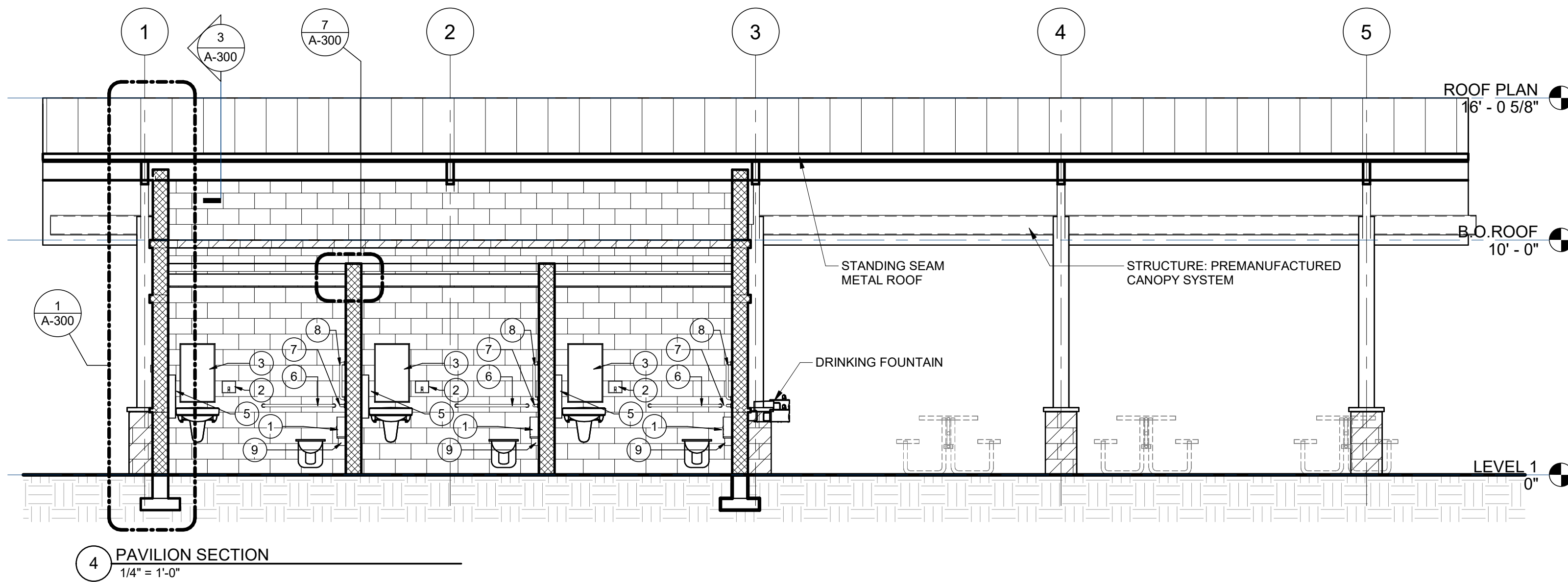
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TOILET ACCESSORY SCHEDULE	
Number	Description
1	TOILET PAPER DISPENSERS: OWNER SUPPLIED CONTRACTOR INSTALLED (OSCI)
2	SOAP DISPENSERS: OSCI
3	VANDAL-RESISTANT STAINLESS STEEL FRAMELESS MIRROR
4	SURFACE-MOUNTED WASTE RECEPTACLE
5	BABY CHANGING STATION
6	GRAB BAR/TOILET BACK: 36"
7	GRAB BAR/TOILET SIDE: 42"
8	GRAB BAR/VERTICAL: 18"
9	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT
10	HAND DRYER
11	MOP HOLDER/ SHELF

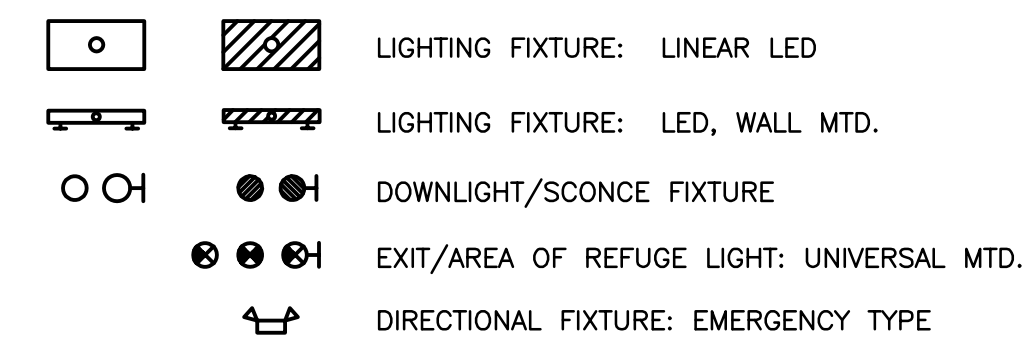


EXTERIOR ELEVATION SCHEDULE	
Number	Description
A	SPLIT FACE CMU
B	PRECAST
C	GROUND FACE CMU
D	SPLIT FACE CMU PILASTER
E	STRUCTURE: PREMANUFACTURED CANOPY SYSTEM
F	LOUVER
G	DRINKING FOUNTAIN
H	STANDING SEAM METAL ROOF
I	PICNIC TABLES (NIC)
J	3'-4" DIA. CIRCULAR BRONZE PLAQUE SIGNAGE W/AUGUSTA, GA PARKS & RECREATION LOGO
K	EXTERIOR LIGHT FIXTURE
L	ROOM SIGNAGE



LIGHTING FIXTURES:

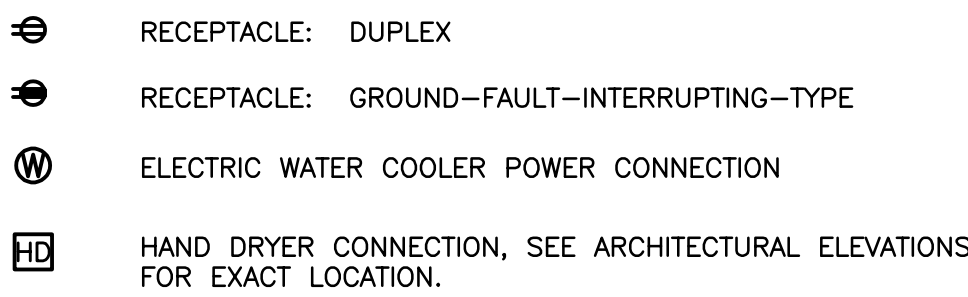
NON- EMERGENCY	EMERGENCY
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WIRING DEVICES:

RECEPTACLES:

NOMINAL MOUNTING HEIGHT OF RECEPTACLES SHALL BE 18" TO CENTER, UNO. IF APPLICABLE, ADJUST SO DEVICE COVER IS IN THE CENTER OF MASONRY COURSE NEAREST THAT HEIGHT. THE HEIGHT ESTABLISHED SHALL GOVERN FOR ALL BOX INSTALLATIONS, WHERE INSTALLED IN MASONRY OR FRAMED WALLS.



SWITCHES:

MOUNTING HEIGHT OF SWITCHES SHALL BE 48" NOMINAL, ADJUSTED IN THE SAME MANNER AS SPECIFIED ABOVE, FOR RECEPTACLES. LOWER CASE LETTER INDICATES SWITCHLEG CONNECTION. THE RESPECTIVE FIXTURE(S) WILL HAVE THE SAME DESIGNATION.

S	SWITCH: SINGLE-POLE
S₃	SWITCH: THREE-WAY TYPE
CS	SWITCH: OCCUPANCY SENSOR, CEILING MOUNTED
CS_W	SWITCH: OCCUPANCY SENSOR, WALL MOUNTED W/DIMMER CONTROL AND OFF SWITCHES
VS	SWITCH: VACANCY SENSOR, WALL MOUNTED W/DIMMER CONTROL AND OFF SWITCHES
VS_W	SWITCH: SENSOR OVERRIDE, WALL MOUNTED W/DIMMER CONTROL AND OFF SWITCHES
DO	SWITCH: LED DIMMER, 0-10V W/ ON-OFF SWITCH, COMPATIBLE WITH OCCUPANCY/VACANCY SENSOR IN SPACE
PC	PHOTOCELL

DEVICE IDENTIFIER TAGS:

NUMERAL ADJACENT TO DEVICE DENOTES BRANCH CIRCUIT CONNECTION.
IDENTIFIER TAGS ADJACENT TO DEVICES INDICATE:

C	MOUNT ABOVE COUNTERTOP OR BACKSPLASH, 6" ABOVE WORK SURFACE TO CENTER.
xx"	MOUNT DEVICE AT HEIGHT INDICATED.
WP	PROVIDE WEATHER-PROOF COVER.
TV	MOUNT DEVICE AT 72" AFF, ADJACENT TO TV RECEPTACLE

ELECTRICAL EQUIPMENT:

REFER TO ONE-LINE DIAGRAM AND EQUIPMENT CONNECTION SCHEDULE FOR LOAD DATA USED AS THE BASIS OF DESIGN AND REQUIRED CONNECTIONS. VERIFY LOAD AND LOCATION WITH EQUIPMENT CUT-SHEETS AND INSTALLER.

	NON-FUSIBLE DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH, 30A/2/1/30F
	PANELBOARD: LIGHTING-TYPE, SURFACE MOUNTED
	PANELBOARD: LIGHTING-TYPE, FLUSH MOUNTED
<u>XX-1</u> 	EQUIPMENT AS NOTED, SEE ABBREVIATION LIST, THIS SHEET
	PHOTOCELL: LOCATE UNDER EAVES, FACING NORTH, AVOID ANY OTHER OUTSIDE LIGHT SOURCE

BRANCH CIRCUITS:

CONDUCTOR COUNTS ARE SHOWN ON HOMERUNS ONLY. CONTRACTOR SHALL DETERMINE COUNTS FOR INTERMEDIATE RUNS BASED ON THE MANNER IN WHICH CIRCUIT ELEMENTS ARE CONNECTED. REFER TO SPECIFICATION SECTIONS 262010, 262080, & 262030 FOR SPECIAL REQUIREMENTS.

	BRANCH CIRCUIT:	CONCEALED
	BRANCH CIRCUIT:	CONCEALED IN FLOOR SLAB
	BRANCH CIRCUIT:	EXPOSED

'HOMERUN' TO PANEL: NUMBER OF HASH MARKS INDICATE QUANTITY OF NO. 12 AWG UNGROUNDED CONDUCTORS IN 3/4" RACEWAY. GROUNDED CONDUCTORS (NEUTRALS) ARE NOT SHOWN - ONE DEDICATED NEUTRAL IS REQUIRED FOR EACH UNGROUNDED CONDUCTOR INSTALLED, SEE SPECIFICATIONS. EACH CONDUCTOR SHALL BE NO. 12 AWG UNLESS NOTED OTHERWISE.

MISCELLANEOUS COMPONENTS:

	JUNCTION BOX: MOUNTED ABOVE CEILING
	JUNCTION BOX: WALL MOUNTED
	COMMUNICATIONS BACKBOARD: 3/4" THICK FIRE RATED TYPE AC PLYWOOD PAINTED, 4" HIGH, LENGTH AS INDICATED, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	CONNECTION TO GROUNDING ELECTRODE
	CIRCUIT BREAKER: TRIP/POLES INDICATED
	SPACE FOR FUTURE CIRCUIT BREAKER

TELECOMMUNICATIONS:

THE CONTRACTOR SHALL PROVIDE ROUGH-IN FOR ALL DEVICES AND WIRING. VERIFY ADJACENCY TO CORRESPONDING POWER RECEPTACLES. OUTLETS SHALL BE INSTALLED AT THE SAME HEIGHT AS CORRESPONDING POWER OUTLETS, UNO. OTHER DEVICES WHOSE LOCATIONS ARE NOT DEPENDENT ON RECEPTACLE PLACEMENT SHALL BE COORDINATED WITH SYSTEM INSTALLER.

▶ WALL. MTD. TELECOMMUNICATION OUTLET--(1) CAT 6 UTP CABLE FROM TELECOMMUNICATION BACKBOARD, VERIFY LOCATION PRIOR TO PULLING.

▶ WALL. MTD. CATV OUTLET--(1) RG-6 CABLE FROM IT ROOM,VERIFY LOCATION PRIOR TO PULLING. MTD. AT 60" AFF, UNO.

 19"W x 84"H TIA RACK WITH VERTICAL WIRE MANAGEMENT CHANNELS

 CONDUIT SLEEVE: NUMBER & SIZE, 2-4" TYP., UNO

GENERAL NOTES:

1. WHERE COMPLETE BRANCH CIRCUIT WIRING IS NOT SHOWN, PROVIDE ACCORDING TO HOMERUNS SHOWN AND CORRESPONDING CIRCUIT NUMBERS ADJACENT TO THE DEVICE OR FIXTURE. REFER TO THE SCHEDULES FOR WIRING METHODS. BRANCH CIRCUIT WIRING SHALL BE BASED ON OVERCURRENT DEVICE RATINGS SHOWN IN THE PANEL SCHEDULES.
2. REFER TO THE ELECTRICAL PANELBOARD SCHEDULES AND EQUIPMENT RATINGS & CONNECTIONS SCHEDULE FOR VOLTAGE, BRANCH CIRCUITS REQUIREMENTS, BREAKERS SIZES AND OTHER RELATED ELECTRICAL EQUIPMENT TO BE PROVIDED AND/OR INSTALLED BY THE ELECTRICAL CONTRACTOR.

ABBREVIATIONS:

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AIR HANDLER
AIC	AMPERAGE INTERRUPT CAPABILITY
AWG	AMERICAN WIRE GAUGE
C.	CONDUIT
CU	CONDENSING UNIT
DIA	DIAMETER
EF	EXHAUST FAN
EH	ELECTRIC HEATER
G	GROUND
GFI	GROUND—FAULT INTERRUPTING
KOMIL	KILO CIRCULAR MIL
MB	MAIN BREAKER
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCB	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
No.	NUMBER
NEC	NATIONAL ELECTRIC CODE
NTS	NOT TO SCALE
RGS	RIGID GALVANIZED STEEL
RTU	ROOFTOP UNIT
SPD	SURGE PROTECTION DEVICE
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BACK BOARD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE
W	WATTAGE
W/	WITH
WH	WATER HEATER
WP	WEATHER PROOF

1. GENERAL PROVISIONS:

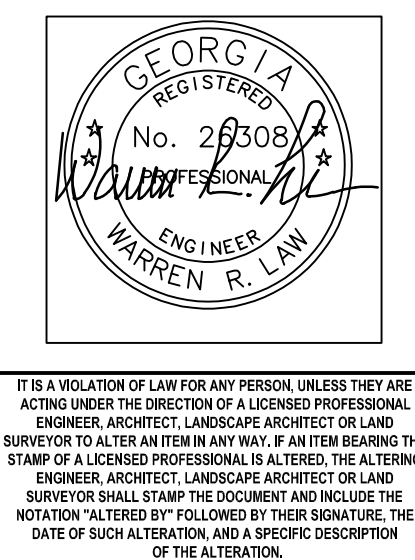
APPLICABLE PROVISIONS OF THE STATE AND LOCAL CODES AND OF THE NATIONAL ELECTRICAL CODE (NFPA NO. 70), CURRENTLY ADOPTED EDITION, ARE HEREBY IMPOSED ON A GENERAL BASIS FOR ELECTRICAL WORK.

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SUPERVISION TO CONSTRUCT A COMPLETE AND OPERABLE ELECTRICAL SYSTEM. ALL MATERIALS AND EQUIPMENT USED SHALL BE NEW, UNDAMAGED AND FREE FROM ANY DEFECTS.

- ## 2. MATERIALS:

- A. ALL MATERIALS SHALL CONFORM TO U.L. & NEMA REQUIREMENTS AND SHALL BE AS SPECIFIED OR "PRIOR APPROVED EQUAL" BY THE ENGINEER.
- B. RACEWAY SYSTEM: ALL CONDUITS AND RACEWAYS SHALL BE INSTALLED CONCEALED IN FINISHED SPACES. CONCEALED CONDUITS SHALL BE EMT, IMC OR RGS. ROUTE ALL CONDUITS AND RACEWAYS PARALLEL AND PERPENDICULAR TO THE STRUCTURE AND SUPPORT AS REQUIRED BY THE NEC. ALL EXPOSED EXTERIOR OR WET LOCATED BRANCH CIRCUIT OR FEEDER RACEWAYS SHALL BE RGS OR IMC CONDUIT. ALL UNDERGROUND BRANCH CIRCUIT OR FEEDER RACEWAYS SHALL BE PVC CONDUIT. EXPOSED CONDUITS IN MECHANICAL SPACES AND GLETS SHALL BE RGS OR IMC. EXPOSED CONDUITS IN FINISHED SPACES SHALL BE SURFACE METAL RACEWAY (WIREMOLO). CONNECTORS/COUPLINGS FOR USE WITH EMT CONDUIT SHALL BE STEEL COMPRESSION TYPE, EXCEPT THAT STEEL, SET SCREW TYPE WILL BE ACCEPTABLE FOR EMT CONDUIT SIZES 2-1/2" AND LARGER. SUPPORT RACEWAY SYSTEM USING WOOD SCREWS TO WOOD; BY TROOP BOLTS IN HOLLOW MASONRY OR CONCRETE WALLS. CLERETS OR EXPANSION BOLTS ON CONCRETE OR BRICK; BY MACHINE SCREWS, WELDED THREADED STUDS, OR SPRINGTENSION CLAMPS ON STEEL WORK. CONDUIT SUPPORTS SHALL BE TWO-HOLE STRAPS, WALL BRACKETS, HANGERS OR CEILING TRAPEZE.
- C. BOXES: PROVIDE GALVANIZED STEEL OUTLET BOXES WITH STAMPED KNOCKOUTS FOR INTERIOR DRY LOCATIONS. PROVIDE CAST ALUMINUM BELL TYPE FOR ALL EXTERIOR WET LOCATIONS. INTERIOR FLUSH BOXES SHALL BE 4" SQUARE BY 1-1/4" DEEP. INTERIOR FLUSH BOXES FOR COMMUNICATION OUTLETS AND GFCI OUTLETS SHALL BE 4-11/16" SQUARE BY 2-1/8" DEEP. PROVIDE SINGLE GANG TILE COVERS UNLESS REQUIRED OTHERWISE.
- D. GRADE LEVEL PULL BOXES: BOXES SHALL BE QUASITE COMPOSOLITE TYPE. PROVIDE SIZE AS INDICATED ON THE DRAWINGS. PROVIDE STACKABLE SECTIONS TO ACHIEVE BURIAL DEPTH FOR SPECIFIED FOR CONDUITS. BOXES SHALL HAVE OPEN BOTTOM AND LOCKING COVER WITH "ELECTRICAL" OR "COMMUNICATIONS" LOGO AS APPROPRIATE. PULL BOXES SHALL BE RATED FOR LIGHT VEHICULAR TRAFFIC. ENCASEMENT IS REQUIRED ONLY IF DIRECTED BY MANUFACTURER TO OBTAIN RATING.
- E. WIRE AND CABLES: CONDUCTORS SHALL BE COPPER, TYPE THHN OR THWN. CONDUCTORS SHALL BE COLOR CODED.
- F. WIRING DEVICES: PROVIDE WIRING DEVICES PRODUCED BY ONE OF THE FOLLOWING MANUFACTURERS: HUBBELL, LEVITON, OR COOPER. RECEPTACLES SHALL BE SPECIFICATION GRADE HEAVY-DUTY TYPE RECEPTACLES 2-POLE, 3-WIRE GROUNDING, SIDE WIRING, NEMA 5-20R, 20-AMP, 125 VOLTS, UNLESS SHOWN OTHERWISE. LIGHT SWITCHES SHALL BE RATED 20 AMP. OCCUPANCY SENSORS SHALL BE DUAL TECHNOLOGY TYPE. SENSORS SHALL BE MANUFACTURER'S RECOMMENDED SIZE AND TYPE. PROVIDE 1/2" PLATE. LOCATION OF SENSORS SHALL BE AS DETERMINED BY MANUFACTURER IN SHOP DRAWING. ACCEPTABLE SENSOR MANUFACTURERS: HUBBELL BUILDING AUTOMATION, WATTSSTOPPER, COOPER.
- G. LIGHTING FIXTURES: PROVIDE LIGHTING FIXTURES AS INDICATED ON THE FIXTURE SCHEDULE. LED FIXTURES SHALL BE EQUIPPED WITH ELECTRONIC DRIVERS. FIXTURE CATALOG NUMBERS INDICATE STYLE OF FIXTURE REQUIRED. PROVIDE FIXTURES WITH PROPER FRAMES FOR CEILING TYPES INDICATED ON THE REFLECTED CEILING PLAN. EMERGENCY FIXTURES SHALL BE PROVIDED WITH FACTORY INSTALLED EMERGENCY BATTERY BALLASTS. NOT LESS THAN ONCE EVERY 30 DAYS, SELF-TESTING/SELF-DIAGNOSTIC BATTERY-OPERATED EMERGENCY LIGHTING EQUIPMENT SHALL AUTOMATICALLY PERFORM A TEST WITH A DURATION OF A MINIMUM OF 30 SECONDS AND A DIAGNOSTIC ROUTINE AND SHALL INDICATE FAILURES BY A VISIBLE STATUS INDICATOR ONLY. THE BATTERY SHALL BE CAPABLE OF OPERATING FIXTURE AT 50% LUMEN OUTPUT FOR 90 MINUTES. PROVIDE ALL LOW-VOLTAGE CABLES REQUIRED FOR DIMMABLE FIXTURES AND COORDINATE DIMMER SWITCH AND DRIVER FOR COMPATIBILITY.
- H. PANELBOARDS: PROVIDE PANELBOARDS PRODUCED BY ONE OF THE FOLLOWING MANUFACTURERS: GE, SIEMENS, SQUARE D, OR CUTLER HAMMER. PROVIDE PANELBOARDS OF THE TYPE, SIZE, AND RATING INDICATED. LIGHTING AND DISPLIANCE TYPE PANELBOARDS SHALL BE A MINIMUM OF 25 AMP. PANEL SHALL BE EQUIPPED WITH COPPER BUS BARS, FULL-SIZED NEUTRAL BAR, AND A GROUND BUS. CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE, HEAVY-DUTY, QUICK-MAKE, QUICK-BREAK MOLDED CASE CIRCUIT BREAKERS. MULTI-POLE BREAKERS SHALL BE COMMON TRIP WITH A SINGLE HANDLER. PROVISIONS FOR FUTURE BREAKERS SHALL BE FULLY BUSSED COMPATIBLE WITH ALL NEC REQUIREMENTS. PROVIDE 1/2" PLATE. LAMINATED PLASTIC NAMEPLATE. CIRCUIT BREAKERS TO BE INSTALLED IN EXISTING PANELBOARDS SHALL MATCH EXISTING TYPE CIRCUIT BREAKERS. PROVIDE NEW/UPDATED SCHEDULES FOR ALL PANELBOARDS.

- I. GROUNDING: ELECTRICAL GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NEC. PROVIDE ELECTRICAL BRAZING OR EXOTHERMIC CONNECTORS AND TERMINALS. BOLTED CLAMP WILL NOT BE ACCEPTED BETWEEN GROUNDING RODS AND GROUND CONDUCTORS. BOND EQUIPMENT GROUNDING CONDUCTORS TO ALL OUTLET BOXES WITH A SCREW USED FOR NO OTHER PURPOSE. CONNECT EQUIPMENT GROUNDING CONDUCTOR TO DEVICE GROUNDING TERMINAL. PROVIDE BARE OR GREEN INSULATED STRANDED COPPER SIZED ACCORDING TO NEC OR AS SHOWN. GROUND RODS SHALL BE 3/4" DIAMETER X 10' COPPER-CLAD STEEL, SECTIONAL TYPE.
- J. DISCONNECT SWITCHES: PROVIDE DISCONNECTS PRODUCED BY ONE OF THE FOLLOWING MANUFACTURERS: GE, SIEMENS, SQUARE D, OR CUTLER HAMMER. PROVIDE HEAVY DUTY TYPE, SHEET STEEL ENCLOSED SAFETY SWITCHES, INCORPORATING QUICK-BREAK TYPE SWITCH. ALL SWITCHES SHALL BE UL LISTED. DISCONNECTS SHALL BE NON-FUSED TYPE, UNO.
- K. SPD: PROVIDE SPD UNITS CONNECTED IN PARALLEL WITH POWER DISTRIBUTION EQUIPMENT. SPD UNITS SHALL BE MOUNTED EXTERNAL TO POWER DISTRIBUTION EQUIPMENT. THE USE OF SPD UNITS INTEGRAL WITH POWER DISTRIBUTION EQUIPMENT IS NOT ACCEPTABLE. PROVIDE SPD UNITS BY THE FOLLOWING MANUFACTURERS/SERIES: SURGE SUPPRESSION, INC. CURRENT TECHNOLOGIES TG, AND ADVANCED PROTECTION TECHNOLOGIES. SPD FOR SERVICE EQUIPMENT SHALL BE AS FOLLOWS: SINGLE PULSE SURGE CAPACITY PER MODE: 150,000 AMPS AND MODES: L-L, L-N, AND L-G. ALL UNITS SHALL HAVE THE FOLLOWING FEATURES: PHASE DELAY INDICATOR LIGHTS, DISTURBANCE COUNTER, 5-YEAR REPAIR REPLACEMENT WARRANTY FROM MANUFACTURER IN THE NAME OF THE OWNER. INSTALL SPD UNITS ADJACENT TO ELECTRICAL EQUIPMENT, ENSURING THAT LEAD LENGTHS ARE AS SHORT AS POSSIBLE TO ACHIEVE MAXIMUM PROTECTION. CONNECT TO CIRCUIT BREAKER IN ELECTRICAL EQUIPMENT AS SHOWN ON THE MANUFACTURER'S WIRING DIAGRAMS.
4. REFER TO ARCHITECTURAL SECTION FOR LOCATION OF FIRE RATED WALLS AND CEILINGS, ALL OUTLETS, FIXTURES, AND THROUGH PENETRATIONS SHALL BE MADE IN ACCORDANCE WITH THE NFPA 70 AND THE UL DESIGN No. OF THE TYPE OF CONSTRUCTION ENCOUNTERED.
5. SUBMITTALS: SUBMIT TO THE ARCHITECT FOR APPROVAL BEFORE BEGINNING CONSTRUCTION THE FOLLOWING:
 - A. DATA SHEETS ON ALL ITEMS LISTED ABOVE.
 - B. SCALED LAYOUT OF ELECTRICAL SPACES BASED ON THE ELECTRICAL EQUIPMENT BEING INSTALLED.
 - C. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL HVAC CONNECTION REQUIREMENTS WITH HVAC CONTRACTOR PRIOR TO ORDERING ELECTRICAL GEAR. HVAC UNITS SELECTED BY CONTRACTOR MAY DIFFER SLIGHTLY FROM THOSE IN THE BASIS OF DESIGN. ANY DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.



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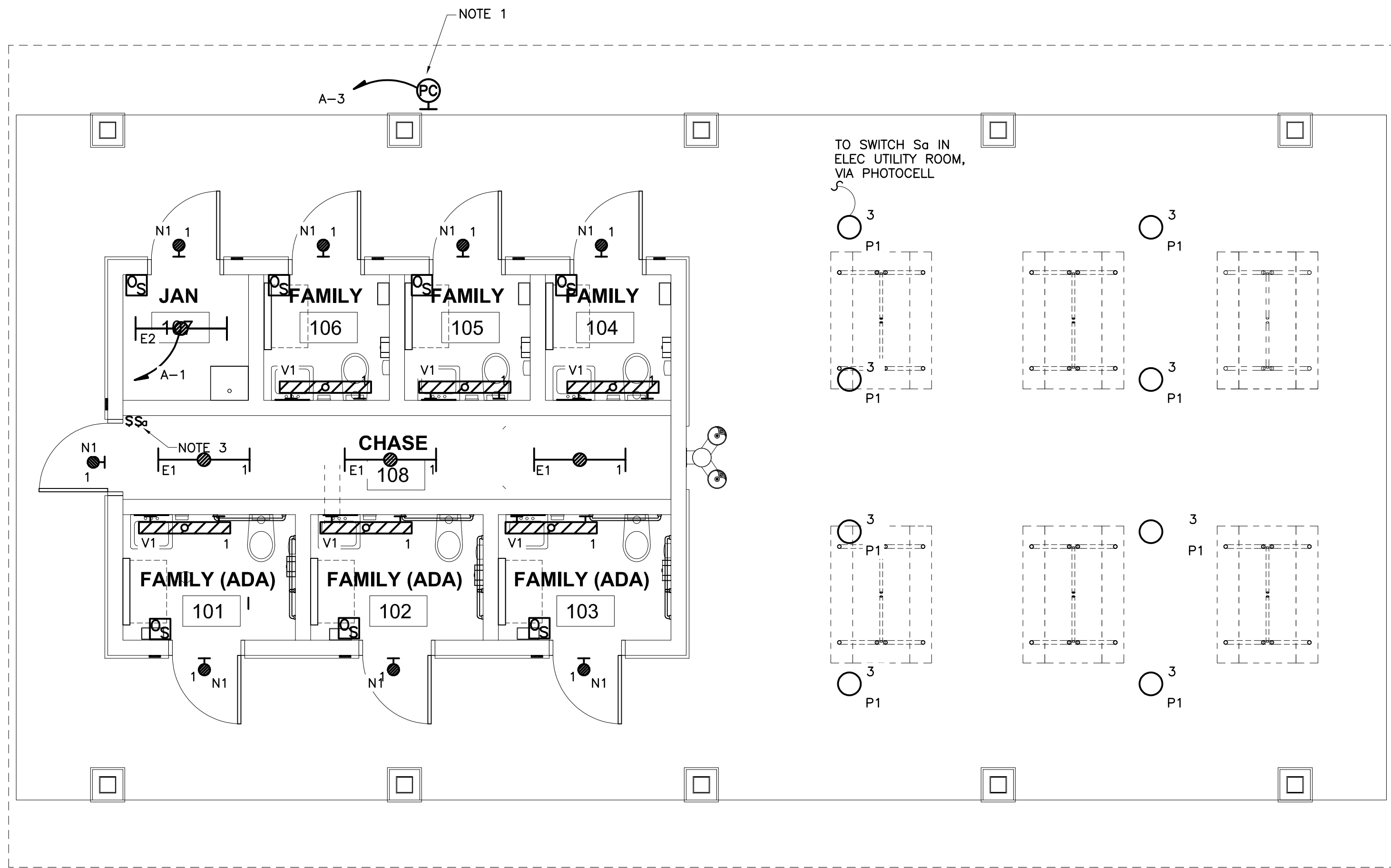
ELECTRICAL LEGEND

Designed By: WRL	Drawn By: WRL	Checked By: WRL
Issue Date: 09/30/2024	Project No: 080083	Scale: AS SHOWN

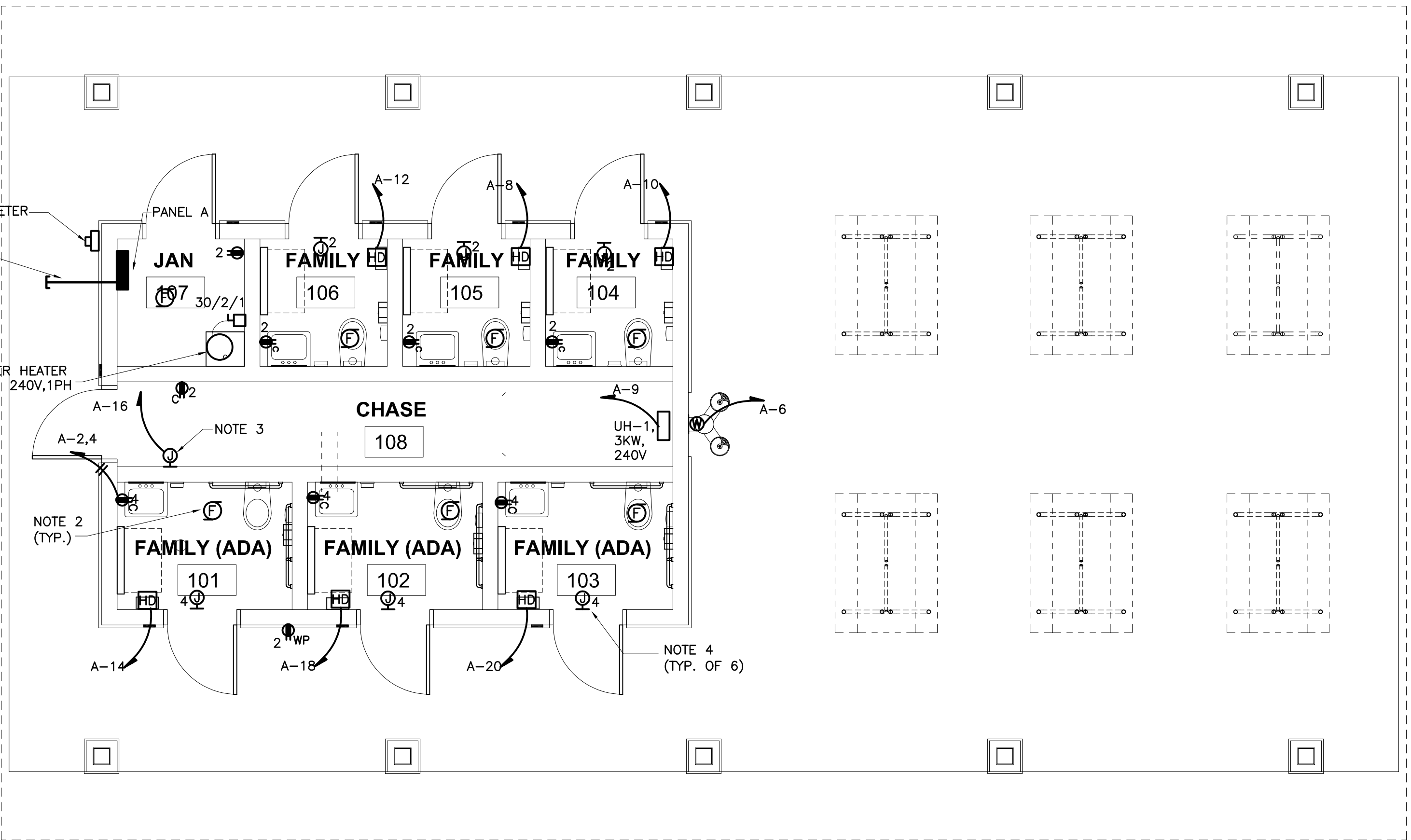
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1 LIGHTING PLAN
E-100 SCALE: 1/4" = 1' - 0"



2 POWER PLAN
E-100 SCALE: 1/4" = 1' - 0"

LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER/SERIES	REFLECTOR/DIFFUSER	FINISH	MOUNTING	LUMENS	NOTES
E2	4' LED STRIP	CREE C-LITE SERIES	ACRYLIC LENS	WHITE	CEILING	5000	PROVIDE INTEGRAL BATTERY
N1	LED AREA LIGHT	NLS LIGHTING TWL SERIES OR PRIOR APPROVED EQUAL	POLYCARBONATE LENS/ TYPE 4 DISTRIBUTION	DARK BRONZE	ABOVE DOOR	2500	WET LOCATION, INTEGRAL PHOTOCELL & BATTERY, NOTE 2
P1	LED PENDANT	NLS LIGHTING TCL SERIES OR PRIOR APPROVED EQUAL	POLYCARBONATE LENS	DARK BRONZE	SURFACE, SWIVEL MOUNT	4000	WET LOCATION RATED
V1	4' VANDAL RESISTANT STRIP	ADVANTAGE ENVIRONMENTAL LIGHTING LWV60 SERIES OR PRIOR APPROVED EQUAL	POLYCARBONATE LENS	WALL	SURFACE, ABOVE MIRROR	5000	INTEGRAL BATTERY

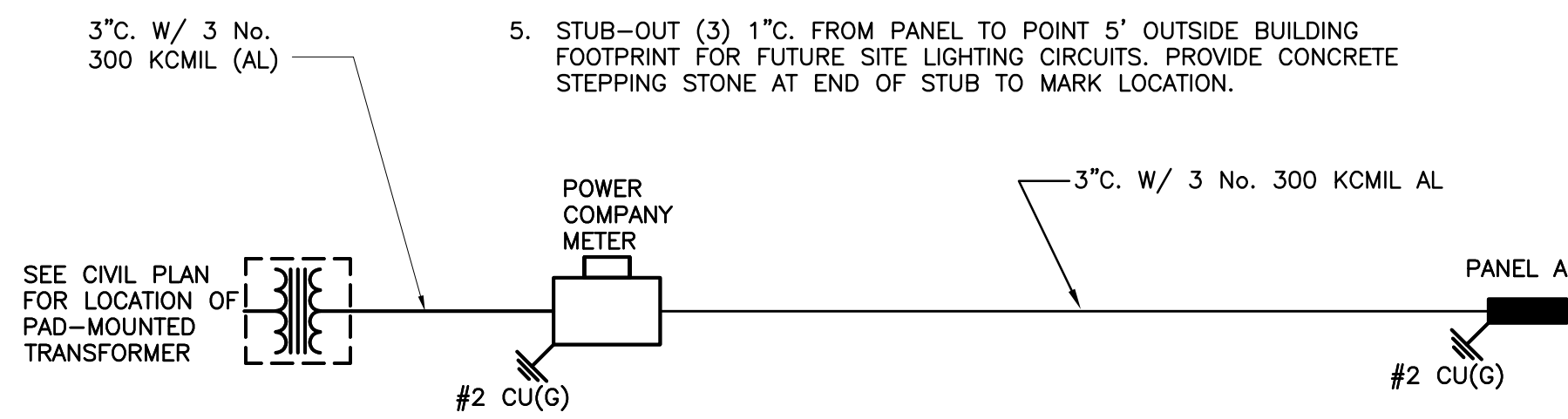
LIGHTING NOTES:

- LOCATE PHOTOCELL ON NORTH SIDE OF BUILDING, UNDER EAVE AND AWAY FROM OTHER ARTIFICIAL SOURCES OF LIGHT. EXTEND CIRCUIT THROUGH SWITCH S_a.
- REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT LOCATION OF TYPE N1.
- PROVIDE PLASTIC ENGRAVED LABEL ON SWITCH S_a TO READ "PAVILION LIGHTS".

PANELBOARD SCHEDULE A																				
MAINS :		250A MB W/ SHUNT TRIP				PHASE:		1	WIRE:		3	MTG :		SURFACE						
VOLTAGE :		240/120				PHASE LOAD (V-A)				A I C :		42,000								
DEVICE		BRANCH CIRCUIT								BRANCH CIRCUIT				DEVICE						
NO.	TRIP	POLE	DESIGNATION			V-A		PH 1		PH 2		V-A		DESIGNATION			POLE		TRIP	NO.
1	20	1	LIGHTING			1,000		2,400				1,400		RECEPTACLES			1		20	2
3	20	1	PAVILION LIGHTING			1,600				3,000		1,400		RECEPTACLES			1		20	4
5								1,000				1,000		WATER COOLER			1		20*	6
7										2,000		2,000		HAND DRYER			1		20	8
9	20	2	UH-1			1,500		3,500				2,000		HAND DRYER			1		20	10
11						1,500				3,500		2,000		HAND DRYER			1		20	12
13	20	2	WATER HEATER			1,500		3,500				2,000		HAND DRYER			1		20	14
15						1,500				2,500		1,000		HEAT TRACE TAPE			1		20	16
17	20	1	SITE LIGHTING			1,500		3,500				2,000		HAND DRYER			1		20	18
19	20	1	SITE LIGHTING			1,500				3,500		2,000		HAND DRYER			1		20	20
21	20	1	SITE LIGHTING			1,500		1,500						SPARE			1		20	22
23	20	1	SITE LIGHTING			1,500				1,500				SPARE			1		20	24
25	20	1	SITE LIGHTING			1,500		1,500						SPARE			1		20	26
27	20	1	SITE LIGHTING			1,500				1,500				SPARE			1		20	28
29	20	1	SITE LIGHTING			1,500		1,500						SPARE			1		20	30
31		1	SPACE											SPACE			1			32
33		1	SPACE											SPACE			1			34
35		1	SPACE											SPACE			1			36
37		1	SPACE											SPACE			1			38
39		1	SPACE											SPACE			1			40
41		1	SPACE											SPACE			1			42
CONNECTED						18,400				17,500		TTL :		35,900						
DEMAND						18,400				17,500		TTL :		35,900						
* - PROVIDE GFI TYPE BREAKER																				

POWER NOTES:

- CONNECT FAN TO LIGHTING CIRCUIT IN SAME SPACE. FAN SHALL START WHEN LIGHTS TURN ON.
- COORDINATE SERVICE REQUIREMENTS AND CONSTRUCTION SCHEDULE WITH LOCAL POWER COMPANY REPRESENTATIVE PRIOR TO ROUGH-IN.
- PROVIDE CONNECTION TO HEAT TRACE TAPE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH M-SHEETS AND INSTALLER.
- PROVIDE CONNECTION AND APPROPRIATE ROUGH-IN FOR DOOR MAGLOCK SYSTEM. COORDINATE WITH LOCK INSTALLER PRIOR TO ROUGH-IN.
- STUB-OUT (3) 1" C. FROM PANEL TO POINT 5' OUTSIDE BUILDING FOOTPRINT FOR FUTURE SITE LIGHTING CIRCUITS. PROVIDE CONCRETE STEPPING STONE AT END OF STUB TO MARK LOCATION.



3 ONE-LINE DIAGRAM
E-100 SCALE: NTS



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CITY OF AUGUSTA
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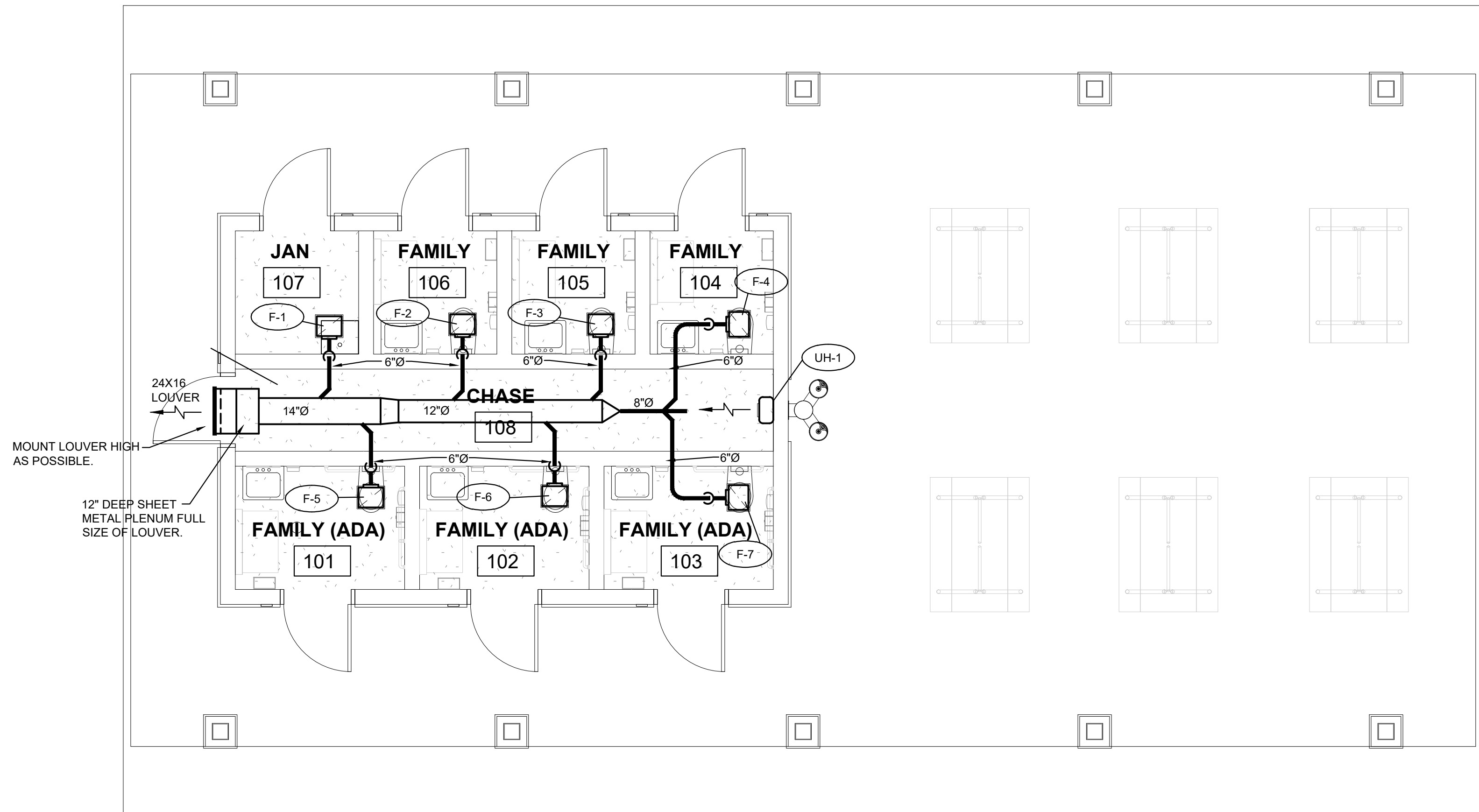
No.	Submital / Revision	App'd. By	Date
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100% CD	WFS /WRL	01/30/2026
PERMIT SET	WFS /WRL	11/21/2025

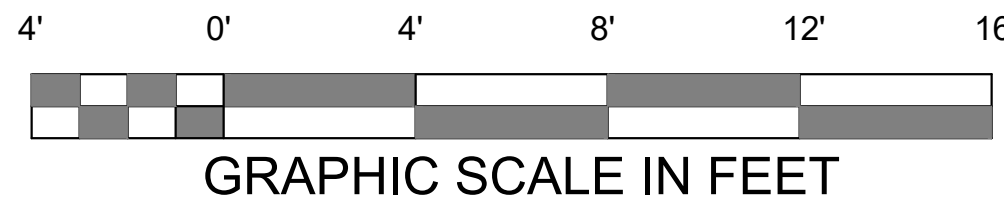
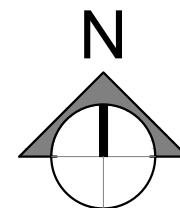
ELECTRICAL PLAN

Designed By: WRL	Drawn By: WRL	Checked By: WRL
Issue Date: 09/30/2024	Project No: 080083	Scale: AS SHOWN

Drawing No:
E-100



1 HVAC PLAN
M-100 SCALE: 1/4\"=1'-0"



EXISTING WORK IS SHOWN IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. EXISTING WORK SHOWN MAY NOT INCLUDE ALL EXISTING CONDITIONS. EXACT LOCATION, ARRANGEMENT, AND SIZES SHALL BE VERIFIED BEFORE STARTING ANY NEW WORK OR ORDERING ANY MATERIALS.

ALL DUCTWORK AND PIPING SHALL BE CONCEALED UNLESS NOTED OTHERWISE.

UNLESS DIMENSIONED, PIPING, DUCTWORK, AND EQUIPMENT ARE SHOWN IN APPROXIMATE LOCATIONS. EXACT CONFIGURATION SHALL BE DETERMINED IN THE FIELD TO COORDINATE WITH OTHER TRADES AND TO ALLOW FOR A MINIMUM NUMBER OF OFFSETS AS POSSIBLE WHILE ALLOWING FOR ADEQUATE MAINTENANCE ACCESS.

FURNISH FLANGED OR UNION CONNECTIONS IN PIPING AT ALL EQUIPMENT AND CONTROL VALVES, AND AS REQUIRED FOR SERVICE.

DUCT ACCESS DOORS SHALL BE FURNISHED AT ALL FIRE AND SMOKE DAMPERS, DUCT MOUNTED COILS, AND AT ALL DUCT MOUNTED CONTROL DEVICES.

ALL UNDERGROUND PIPING SHALL HAVE 24" MINIMUM COVER

THERMOSTAT LOCATIONS SHALL BE A MINIMUM OF 8" AWAY FROM DOOR FRAMES. COORDINATE LOCATION OF THERMOSTATS WITH LIGHT SWITCHES AND OTHER WALL DEVICES FOR SYMMETRY. MOUNT AT 4'-0" A.F. UNLESS NOTED OTHERWISE.

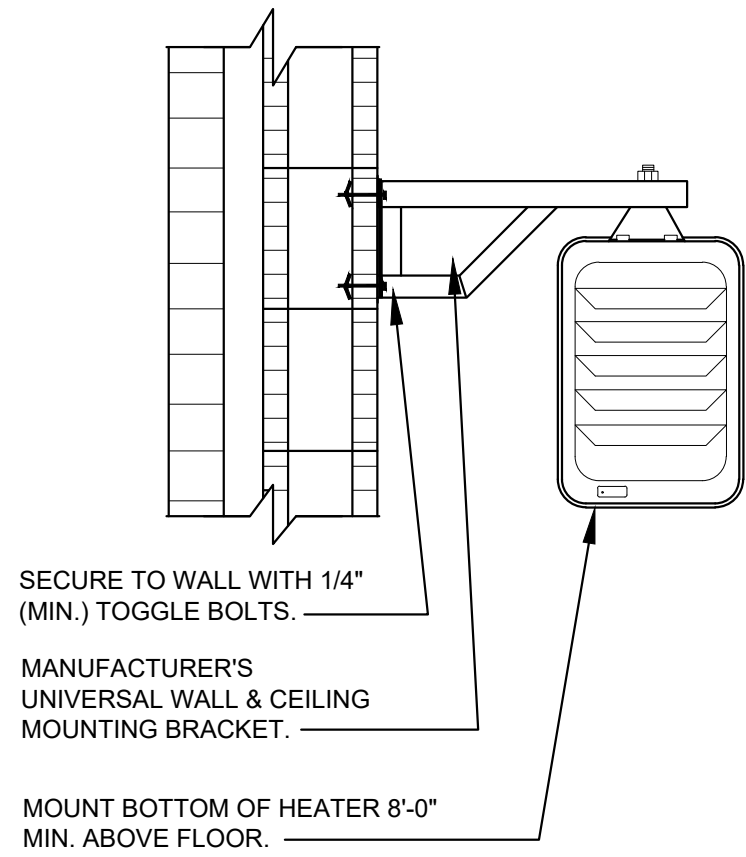
H.V.A.C. LEGEND	
SYMBOL	DESCRIPTION
TYP.	TYPICAL
S.P.	STATIC PRESSURE
Ⓢ	THERMOSTAT 4'-0" A.F.
Ø	DIAMETER
	FLEXIBLE DUCT CONNECTION AT UNIT
	LINED DUCT (SIZE SHOWN IS METAL SIZE)
	SQUARE ELBOW WITH TURNING VANES
 MVD	MANUAL VOLUME DAMPER
Ⓕ C.F.M.	CUBIC FEET PER MINUTE
Ⓢ-1	EQUIPMENT NUMBER - SEE SCHEDULES
	AIRFLOW DIRECTION

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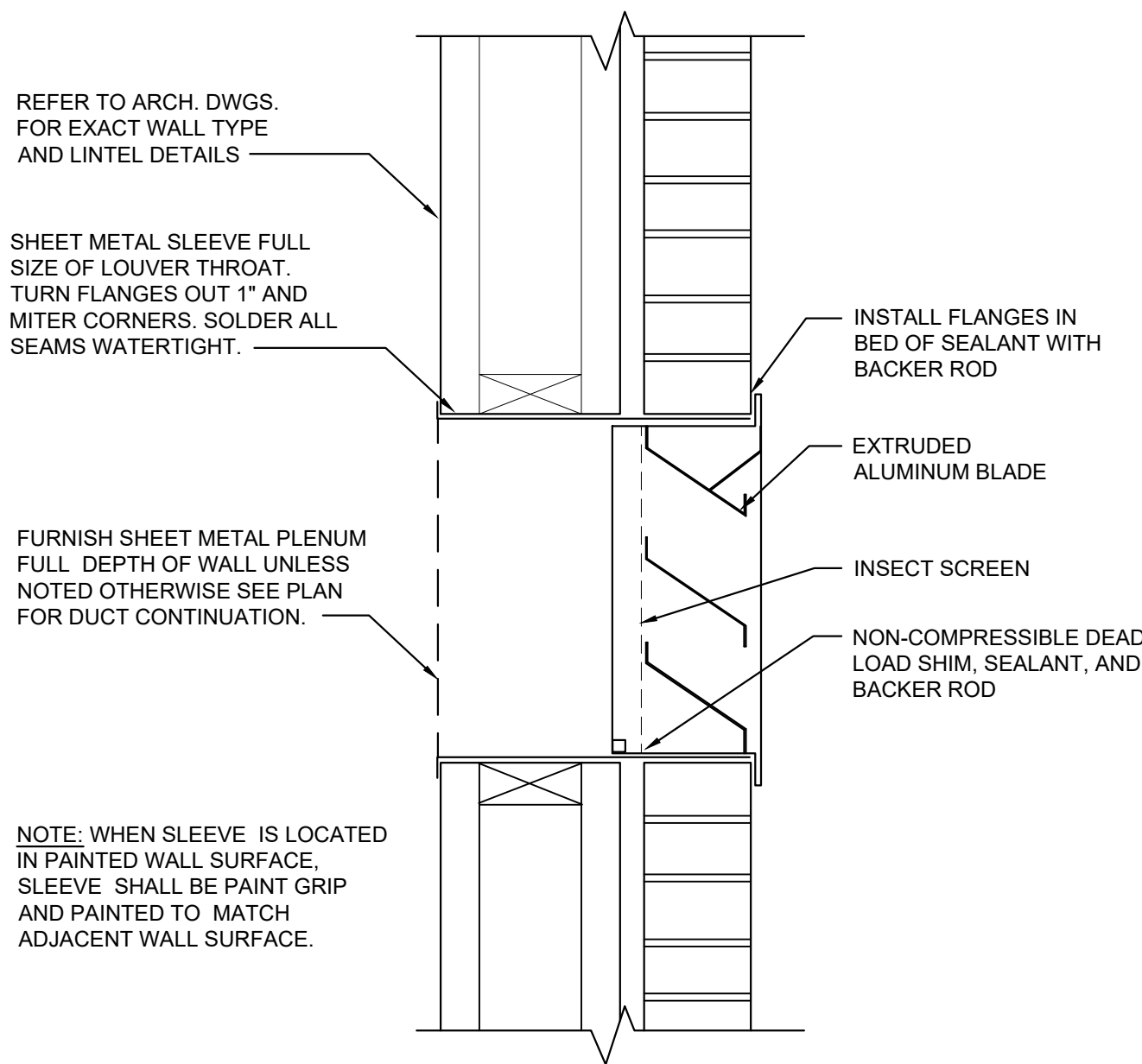
(3) COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL PLANS & CONTRACTOR BEFORE ORDERING EQUIPMENT. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES FOUND.

ITEM	LOCATION	WATTS	QMARK MODEL NO.	ELECTRICAL DATA (2)		NOTES
				VOLTS	PHASE	
UH-1	PIPING CHASE	3000	MUH -03	240	1	(1)

(2) COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL PLANS & CONTRACTOR BEFORE ORDERING EQUIPMENT. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES FOUND.



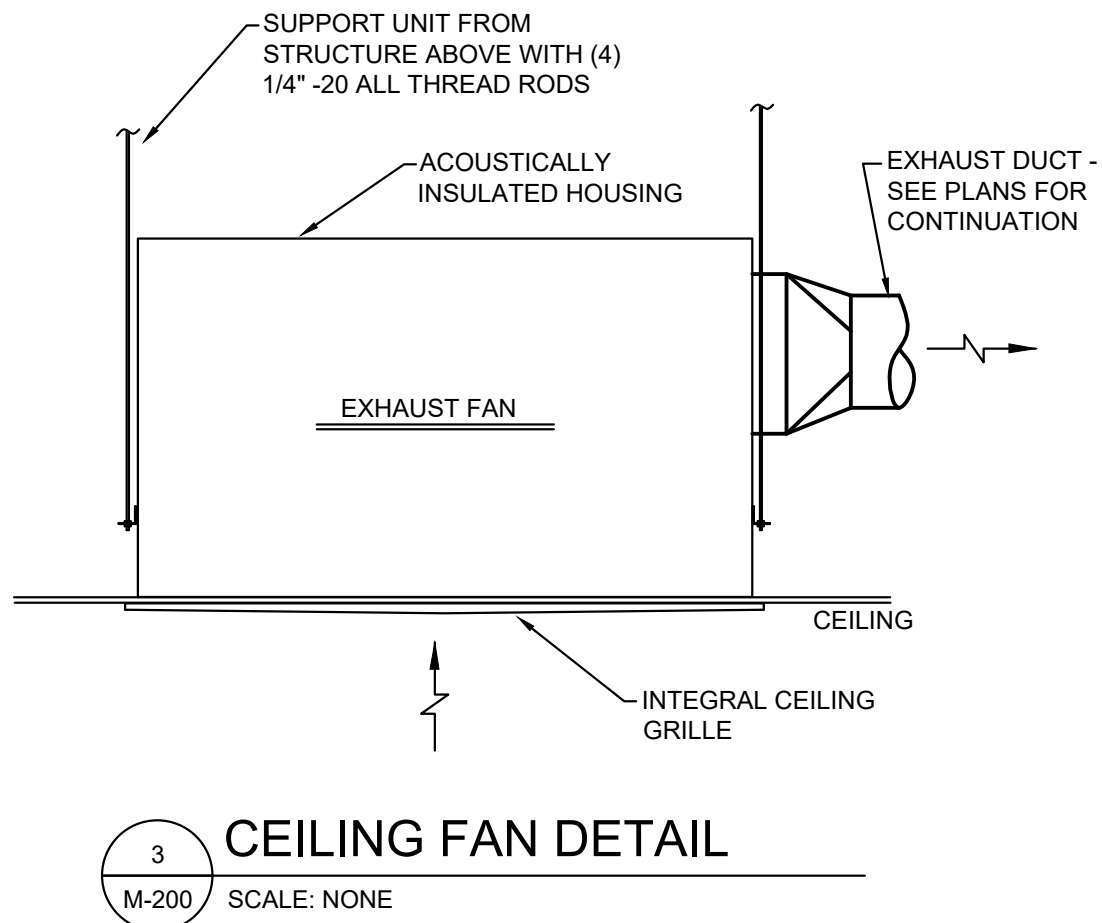
1 MOUNT
M-200 SCALE: NONE



2 LOUVE
M-200 SCALE: NONE

MARK	TYPE	NECK SIZE	FINISH	OPPOSED BLADE DAMPER	TITUS MODEL NUMBER	NOTES
LOUVER	STATIONARY LOUVER	SEE PLANS	(1)	NO	GREENHECK ESD-6	

(1) EXTRUDED ALUMINUM LOUVER - BAKED ENAMEL FINISH, STANDARD COLOR SELECTED BY ARCHITECT. FURNISH INSECT SCREEN AND FLANGE FRAME.



3
M-200

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CITY OF AUGUSTA
BOYKIN PARK
RICHMOND COUNTY, GA

No.	Submittal / Revision	App'd.	By	Date
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	100% CD		CAB	01/30/2
	PERMIT SET		CAB	11/21/2

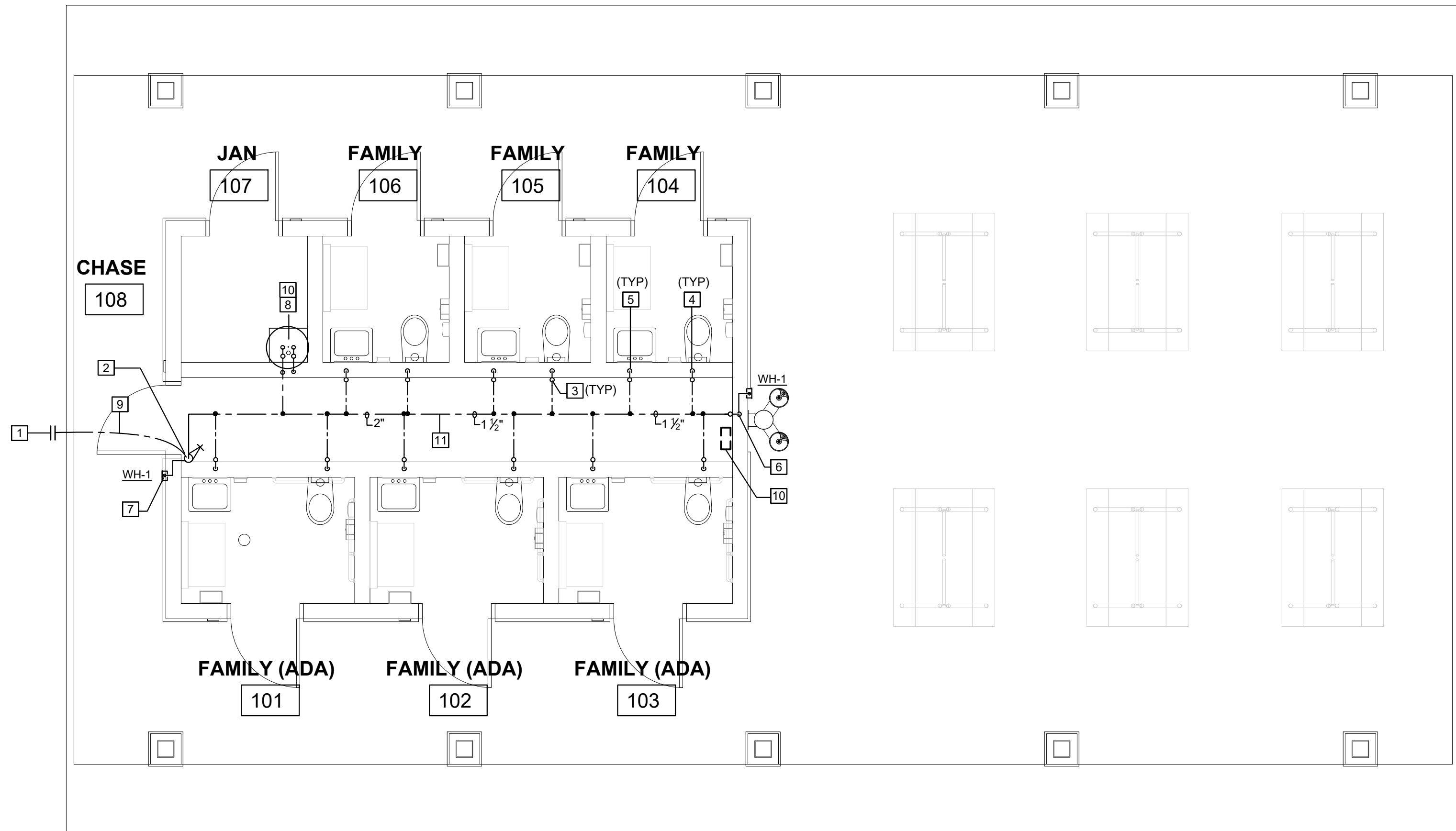
HVAC NOTES, LEGEND,
SCHEDULES, & DETAILS

Designed By: CAB	Drawn By: TAG	Checked By: CAB
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Issue Date: 10/09/2025	Project No: 080083	Scale: AS SHOWN
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Drawing No.

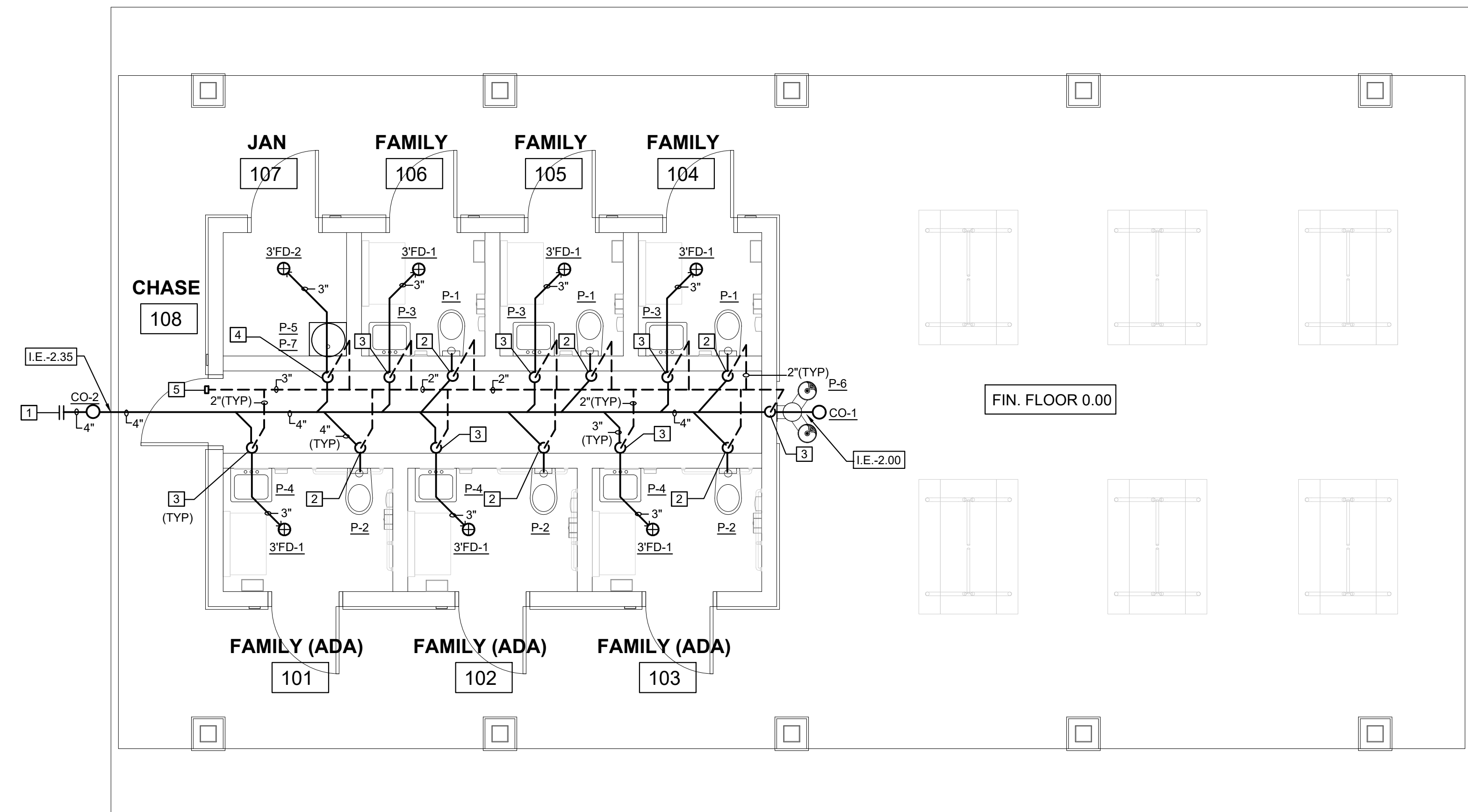
M-200



2 WATER PIPING PLAN
P-100 SCALE: 1/4" = 1' - 0"

WATER PIPING KEY NOTES - THIS SHEET

- 1 EXTEND TO 5'-0" BEYOND BUILDING AND PROVIDE TEMPORARY CAP. CONTINUATION BY OTHERS.
- 2 2" CW UP. PROVIDE GATE VALVE ON RISER ± 12" A.F.F. WITH WALL HYDRANT 18" A.F.G. SEE DETAIL 10/P-200.
- 3 INDICATES NEW SHOCK ABSORBER (SA) "X". UNLESS NOTED ON DRAWINGS, SIZE SHALL BE "A". PROVIDE BALL VALVE ON CONNECTION TO SA. SEE DETAIL 7/P-200
- 4 1 1/2" CW DOWN AND THRU WALL TO WATER CLOSET.
- 5 1/2" CW DOWN AND THRU WALL TO LAVATORY.
- 6 3/4" CW DOWN. PROVIDE 1/2" CW DOWN TO DRINKING FOUNTAIN. PROVIDE 3/4" CW DOWN TO WALL HYDRANT.
- 7 3/4" CW DOWN TO WALL HYDRANT.
- 8 3/4" CW DOWN TO MOP RECEPTOR AND WATER HEATER. SEE DETAIL 9/P-101. PROVIDE CHECK VALVES ON SUPPLIES TO MOP RECEPTOR.
- 9 ROUTE 2" CW PIPING UNDERSLAB WITH CONTINUOUS TYPE "L" SOFT COPPER.
- 10 UNIT HEATER, UNDER MECHANICAL SEE "M" DRAWINGS
- 11 RUN WATER PIPING BELOW CEILING.

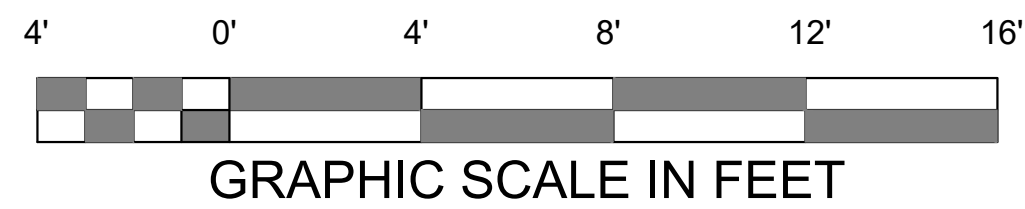


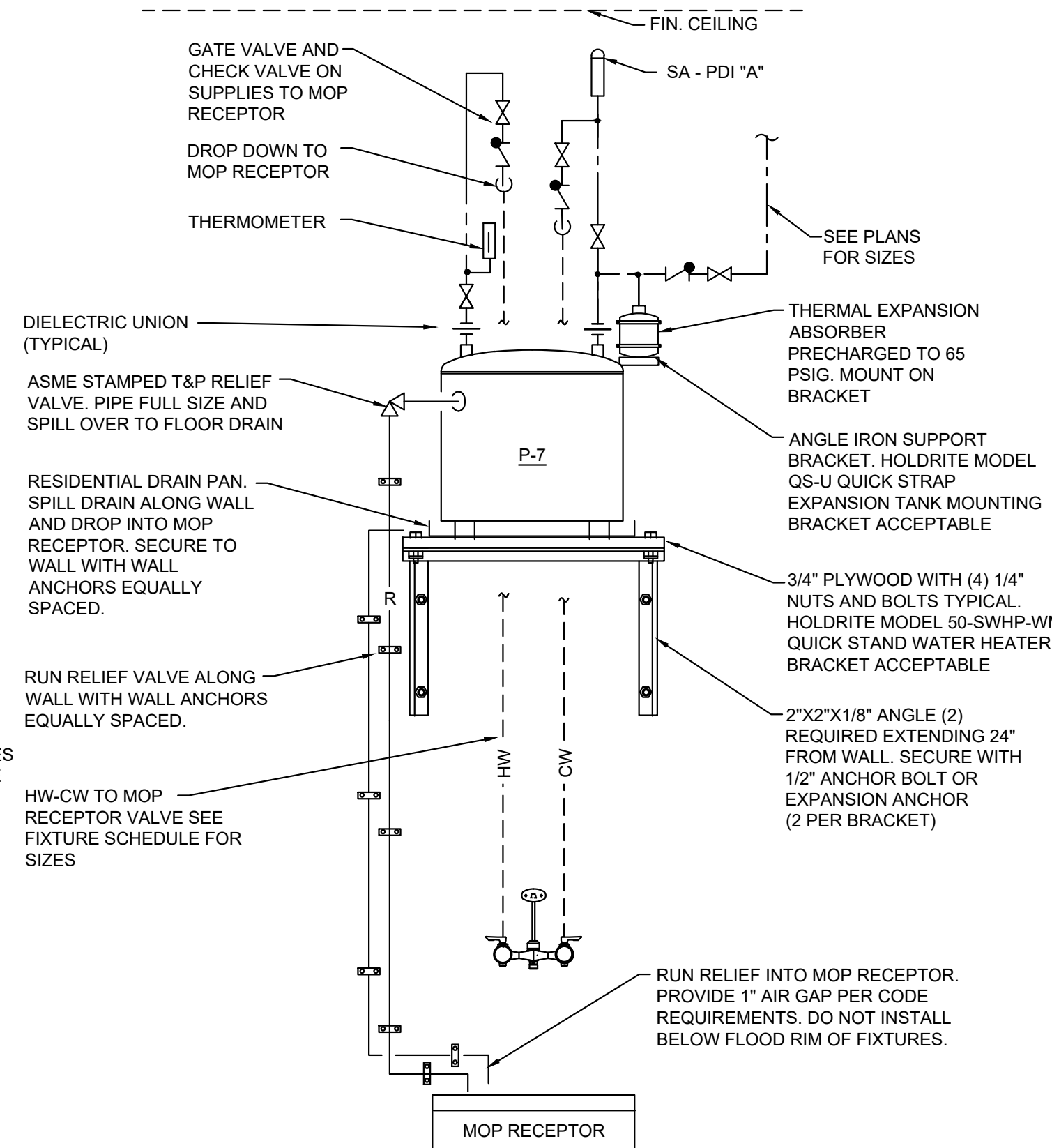
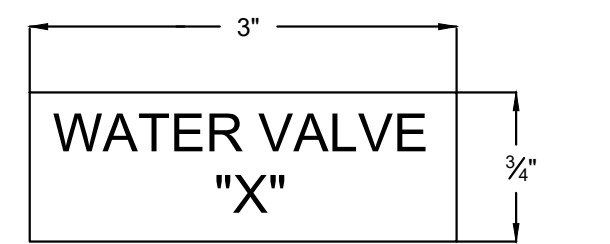
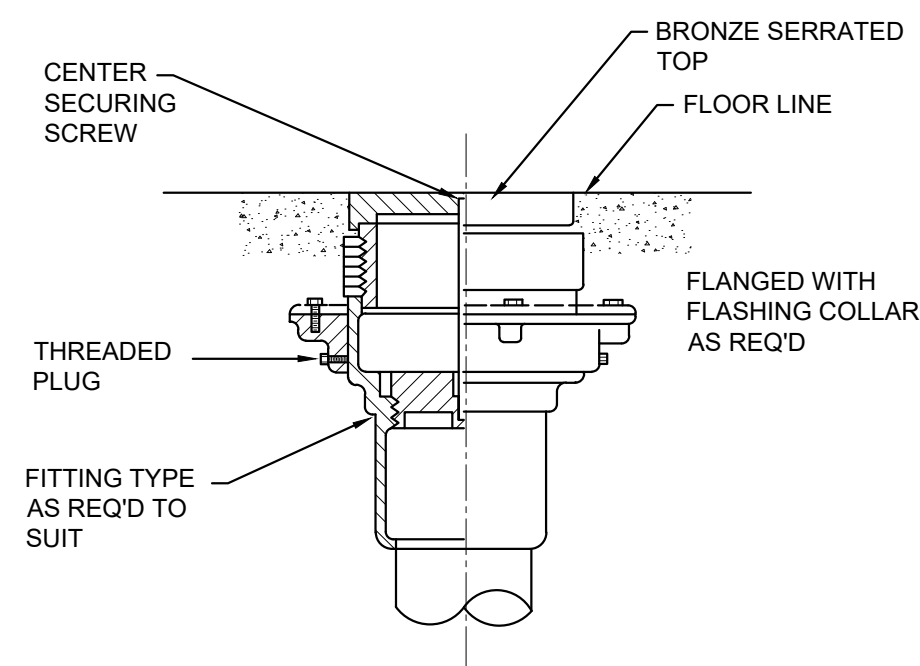
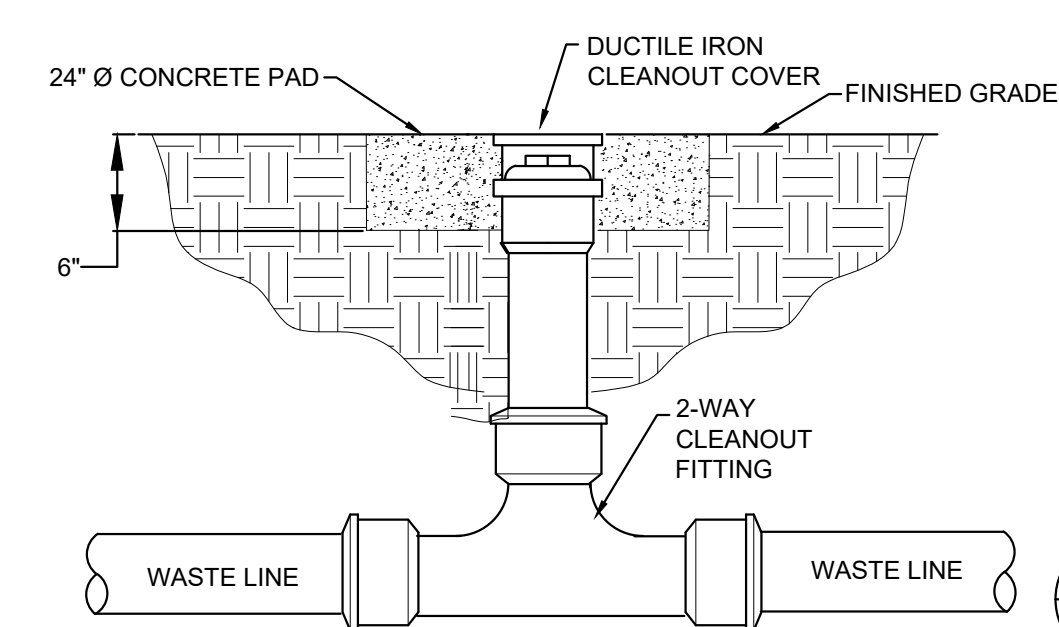
1 WASTE & VENT PIPING PLAN
P-100 SCALE: 1/4" = 1' - 0"

WASTE AND VENT KEY NOTES - THIS SHEET

- 1 EXTEND TO 5'-0" BEYOND BUILDING AND PROVIDE TEMPORARY CAP. CONTINUATION BY OTHERS.
- 2 4" WASTE, 2" VENT.
- 3 2" WASTE, 2" VENT.
- 4 2" VENT.
- 5 3" VENT. EXTEND TO SIDEWALL VENT. MOUNT AS HIGH AS POSSIBLE CENTERED IN GABLE.

NOTE: ALL VENTS SHALL BE EXTENDED THRU ROOF AND SHALL MAINTAIN 10'-0" CLEARANCE FROM FRESH AIR INTAKES. (TYPICAL)





PLUMBING FIXTURE SCHEDULE							
SYM	FIXTURE	PIPE SIZES				RIM HGT / MTG HGT	DESCRIPTION (AM. STD. REFERENCED)
		W	V	CW	HW		
P-1	TOILET	4"	2"	1 1/4"	--	15"	ACORN DURA-WARE 2105-W-1-1,28-FVBO-HPS; SS SIPHON JET TOILET, REAR OUTLET AND INTEGRAL SEAT. CONCEALED SLOAN ROYAL #152-128-10-3/4"-LDIM FLUSH VALVE. JR SMITH 0230Y FIXTURE SUPPORT.
P-2	TOILET H/C	4"	2"	1 1/4"	--	ADA	SAME AS P-1 WITH ADA MOUNTING HEIGHT. ①
P-3	LAVATORY	2"	2"	1/2"	--	27"	ACORN PENAL-WARE 1652-1-BP-LWT; SS LAVATORY, THRU-WALL WASTE EXTENSION, SUPPLIES, STOPS, AND WASTE. JR SMITH 801 FIXTURE SUPPORT.
P-4	LAVATORY H/C	2"	2"	1/2"	--	ADA	SAME AS P-3 WITH ADA MOUNTING HEIGHT. ① ②
P-5	MOP RECEPTOR	3"	2"	1/2"	1/2"	V. A. 4 1"	FIAT MSB 2424: 830-AA FAUCET, 833-AA HOSE & BRACKET, 889-CC HANGAR, AND E-88-AA SS GUARD.
P-6	OUTDOOR DRINK FOUNTAIN	2"	2"	1/2"	--	--	ELKAY LK4406; HEAVY DUTY, VANDAL RESISTANT NON-FILTERED, NON-REFRIGERATED FOUNTAIN. COLOR TO BE SPEC'D BY ARCHITECT.
P-7	WATER HEATER	--	--	3/4"	3/4"	--	A.O. SMITH DEL-10, 10 GAL, 3KW, 208/1Ø. COORDINATE WITH ELECTRICAL.
SWV	SIDEWALL VENT	3"	--	--	--	--	J.R. SMITH, 9005 FRESH AIR VENT
FD-1	FLOOR DRAIN (GENERAL)	3"	--	--	--	--	WATTS FD-100-A ③ ④
FD-2	FLOOR DRAIN (MECH.RM)	3"	--	--	--	--	WATTS FD-100-ER ③ ④
WH-1	WALL HYDRANT	--	--	3/4"	--	12" INT 18" EXT	WATTS HY-330
CO-1	CLEAN OUT INTERIOR	4"	--	--	--	--	WATTS CO-380
CO-2	CLEANOUT EXTERIOR	4"	--	--	--	--	WATTS CO-380, PROVIDE 2 WAY FITTING

PLUMBING FIXTURE KEY NOTES:

- (1) MOUNT AT ADA HEIGHT. ADA SHALL CONFORM TO ACCESSIBILITY CODE. REFER TO CODE FOR GUIDANCE. WHERE CONFLICTS ARISE BETWEEN ARCHITECTURAL DRAWINGS AND MECHANICAL DRAWINGS, ARCHITECTURAL DRAWING SHALL GOVERN.
- (2) PROVIDE PROTECTIVE PIPE COVERS FOR ALL HANDICAP LAVATORIES
- (3) PROVIDE 7" STRAINER ON 3" DRAIN AND 9" STRAINER ON 4" DRAINS. PROVIDE SUFFIX "M" (SQUARE TOP) FOR QUARRY TILE AND CERAMIC TILE FLOORS AND SUFFIX "A" (ROUND TOP) FOR ALL OTHER FLOORS.
- (4) PROVIDE TRAP GUARDS ON ALL HUB DRAINS AND FLOOR DRAINS. IF APPROVED BY LOCAL AHJ. IF NOT APPROVED PROVIDE TRAP PRIMERS

PLUMBING LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	VENT		VENT THRU ROOF
	WASTE OR SANITARY SEWER		BALL VALVE
	COLD WATER		CHECK VALVE
TYP.	TYPICAL		SHUTOFF VALVE
U.O.N.	UNLESS OTHERWISE NOTED		SHOCK ABSORBER
			CLEANOUT
			FLOOR DRAIN

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GENERAL STRUCTURAL NOTES:

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS, AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER DISCIPLINES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, PENETRATIONS, AND OTHER ADDITIONAL ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

2. WHERE SECTION IS SHOWN AND DETAILED, OTHER SECTIONS OR SIMILAR CONDITION SHALL BE DETAILED THE SAME OR OPPOSITE HAND, WHETHER SPECIFICALLY NOTED OR NOT.

3. ENGINEER'S APPROVAL MUST BE SECURED FOR ALL SUBSTITUTIONS. SUCH APPROVAL MAY ALSO BE WITHHELD AT THE SOLE DISCRETION OF THE ENGINEER.

4. THE STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE FOLLOWING:

a. INTERNATIONAL BUILDING CODE, 2021 EDITION (IBC 2021).

b. AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES," 2022 EDITION (ASCE 7-22).

5. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT SUPPORTS AND LATERAL BRACING ARE IN PLACE.

6. DESIGN LOADS USED IN THE DESIGN OF THE STRUCTURAL SYSTEMS IN THIS PROJECT ARE AS FOLLOWS:

a. RISK CATEGORY

II

b. DEAD LOAD:
ROOF (INCLUDING FRAMING SELF WT.)

2 psf

c. LIVE LOAD:
ROOF
COLLATERAL
SLAB-ON-GRADE

20 psf
2 psf
100 psf

d. ROOF SNOW LOAD:
GROUND SNOW LOAD, p_g

5.0 psf

e. WIND DESIGN CRITERIA:
EXPOSURE CATEGORY
BASIC WIND SPEED, V
INTERNAL PRESSURE COEFFICIENT, GC_p
INTERIOR WIND LOADING (PARTITIONS)

C
110 mph
 ± 0.18
OPEN STRUCTURE

f. SEISMIC DESIGN CRITERIA:
SPECTRAL RESPONSE ACCELERATION:
 S_s (SHORT PERIOD (0.2 SECOND))
 S_1 (LONG PERIOD (1.0 SECOND))
 S_{DS} (SHORT PERIOD (0.2 SECOND))
 S_{D1} (LONG PERIOD (1.0 SECOND))
SITE CLASS
SEISMIC DESIGN CATEGORY
LATERAL FORCE RESISTING SYSTEM

0.37 g
0.11 g
0.42 g
0.15 g
CLASS D (DEFAULT)
C
STEEL SYSTEM NOT SPECIFICALLY DEISGNE
FOR SEISMIC RESISTANCE

IMPORTANCE FACTOR, I_e
RESPONSE MODIFICATION COEFFICIENT, R
SEISMIC RESPONSE COEFFICIENT, C_D
ANALYSIS PROCEDURE:

1.0
3.0
3.0
EQUIVALENT LATERAL FORCE

7. ALL VERTICAL ELEVATIONS ARE BASED ON THE FINISHED FLOOR ELEVATION = 0'-0"

FOUNDATION

1. FOUNDNATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED IN THE REPORT OF GEOTECHNICAL EXPLORATION SUBMITTED BY CSRA TESTING AND ENGINEERING CO., INC., DATED JULY 3, 2025.

2. THE FOUNDATIONS FOR THE PEMB STRUCTURES HAVE BEEN DESIGNED AS SHALLOW SPREAD FOOTINGS WITH A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1500 psf.

3. IN PREPARATION OF CONSTRUCTIONS OF THE FOUNDATIONS AND GRADE SLABS, ALL TOPSOIL, VEGETATION AND SURFACE AND SURFACE SOILS SHALL BE REMOVED FROM THE CONSTRUCTION SITE. AFTER REMOVAL OF THE TOPSOIL, THE UPPER 1 FT OF SOIL SHALL BE UNDERCUT AND THE NEWLY EXPOSED SURFACE SHALL BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY. THE UNDERCUT SOILS CAN BE REPLACED AND RECOMPACTED.

4. AFTER UNDERCUTTING AND DESIFICATION, AND PRIOR TO EXCAVATION OF FOUNDATIONS OR PLACEMENT OF STRUCTURAL FILLS, THE SURFACE SHALL BE PROOFROLLED TO ENSURE STABLE CONDITIONS. AFTER EXCAVATIONS OF FOUNDATIONS, THE FOOTING SUBGRADE SHALL BE COMPACTED USING A JUMP JACK PRIOR TO CONCRETE PLACEMENT.

5. ALL PROOFROLLING OPERATIONS SHALL BE OBSERVED AND DOCUMENTED THE CONSTRUCTION TESTING AGENCY. IF UNSUITABLE CONDITIONS ARE ENCOUNTERED AT THE SUBGRADE LEVEL,, RECOMMENDATIONS FOR DEALING WITH THE CONDITIONS SHOULD BE PROVIDED TO THE OWNER'S REPRESENTATIVE BY THE GEOTECHNICAL ENGINEER. ANY EXCESSIVLEY WET SOILS ENCOUNTERED SHOULD BE ALLOWED TO DRY AND STABILIZE OR TO BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED FILL.

CAST-IN-PLACE CONCRETE

1. CAST-IN-PLACE CONCRETE FOR THIS PROJECT SHALL COMPLY WITH THE AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND COMMENTARY" ACI 318-19 AND ACI 318R-19.

2. CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

AREA	WEIGHT	STRENGTH @ 28 DAYS	AIR CONTENT	MAX. W/C RATIO	NOMINAL MAX. AGG. SIZE
FOUNDATIONS	145 pcf	4000 psi	0%	N/A	1"

3. AN INTENTIONALLY ROUGHENED SURFACE MAY BE USED INSTEAD OF A CONTINUOUS SHEAR KEY AT ALL HORIZONTAL CONSTRUCTION JOINTS.

4. ALL EXPOSED CONCRETE EDGES SHALL HAVE 3/4" CHAMFER, WHETHER SPECIFICALLY NOTED OR NOT.

5. ALL ANCHOR RODS SHALL BE BLACK AS NOTED ON DESIGN DRAWINGS.

6. CONCRETE FORM WORK SHALL COMPLY WITH ACI 347, LATEST EDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL FORMWORK.

7. DURING AND IMMEDIATELY AFTER PLACING, CONCRETE SHALL BE THOROUGHLY COMPACTED BY SPADING OR MECHANICAL VIBRATING TO PROVIDE DENSE CONCRETE FREE OF HONEY COMBING.

8. DIRECTLY AFTER FORMS HAVE BEEN REMOVED, ALL EXPOSED TIE WIRES AND STAPLED ENDS SHALL BE REMOVED FROM CONCRETE SURFACES TO BE EXPOSED. CUT TIES FLUSH WITH FINISHED SURFACES FOR ALL OTHER CONCRETE. RUB SMOOTH OR CUT OFF FINS AND ROUGH PLACES. REMOVE ALL LOOSE CONCRETE AND OTHER IRREGULARITIES. PATCH AND FILL VOIDS WITH BONDING AGENT AS REQUIRED.

CONCRETE REINFORCEMENT:

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615 SUPPLEMENT SI, GRADE 60, OF DOMESTIC MANUFACTURER.

2. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A185. WELDED WIRE REINFORCEMENT SHALL BE SUPPLIED IN FLAT SHEETS ONLY. LAP 9" MINIMUM.

3. REINFORCEMENT SHALL BE FABRICATED TO SHAPES AND DIMENSIONS SHOWN AND SHALL CONFORM TO THE REQUIREMENTS OF CRSI AND ACI 318. REINFORCEMENT SHALL BE COLD BENT UNLESS OTHERWISE AUTHORIZED. BENDING MAY BE ACCOMPLISHED IN THE FIELD OR AT THE MILL. BARS SHALL NOT BE BENT AFTER EMBEDDED IN CONCRETE.

4. REINFORCEMENT SHALL BE FREE FROM LOOSE RUST AND SCALE, DIRT, OIL, OR OTHER DELETERIOUS COATING THAT COULD REDUCE BOND WITH THE CONCRETE.

5. NO SPLICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED. MAKE BARS CONTINUOUS AROUND CORNERS WITH CORNER BARS. WHERE PERMITTED, SPLICES MADE BY CONTACT LAPS SHALL BE CLASS "B" TENSION LAPS.

6. TENSION AND COMPRESSION REINFORCEMENT SPLICES IN CONCRETE SHALL BE MADE AS FOLLOWS:

3000 PSI CONC	3500 PSI CONC	4000 PSI CONC	4500 PSI CONC
#4 BARS - 37"	#4 BARS - 35"	#4 BARS - 33"	#4 BARS - 31"
#5 BARS - 46"	#5 BARS - 43"	#5 BARS - 41"	#5 BARS - 38"
#6 BARS - 56"	#6 BARS - 52"	#6 BARS - 49"	#6 BARS - 46"
#7 BARS - 81"	#7 BARS - 75"	#7 BARS - 71"	#7 BARS - 67"

7. WHERE HOOKS ARE SHOWN, PROVIDE STANDARD 90° HOOKS IN ACCORDANCE WITH CRSI AND ACI 318, UNLESS NOTED OTHERWISE.

8. WHERE REQUIRED, PROVIDE DOWELS TO MATCH SIZE AND SPACING OF VERTICAL REINFORCING FROM FOUNDATION. DOWELS SHALL HAVE STANDARD 90° HOOKS.

9. MINIMUM CONCRETE REINFORCING COVER REQUIREMENTS:

	CAST-IN-PLACE CONCRETE COVER
a. CONCRETE CAST AGAINST EARTH:	3"
b. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER: WALLS, SLABS: #6 BAR AND LARGER #5 BAR AND SMALLER	2" 1½"
c. FORMED CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: WALLS, SLABS: #11 BAR AND SMALLER	¾"

10. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR RODS AND WELD PLATES SHALL BE PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.

11. DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL-2004", PUBLICATION SP-66, ACI 318, AND ACI 315, OR LATEST EDITIONS.

12. PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AT POSITIONS SHOWN ON PLANS

PRE-ENGINEERED METAL BUILDING SYSTEMS

1. METAL BUILDING SYSTEMS FOR THIS PROJECT SHALL BE DESIGNED IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURERS ASSOCIATION (MBMA) METAL BUILDING SYSTEMS MANUAL - 2018, IBC 2021, AND THE LOADS SHOWN IN GENERAL NOTES SECTION B. WHERE THERE IS A DISCREPANCY IN DESIGN LOAD REQUIREMENTS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PREPARED BY A PROFESSIONAL ENGINEER FOR THE DESIGN OF METAL BUILDING SYSTEMS, INCLUDING DESIGN LOADINGS AND REACTIONS APPLIED TO THE SUPPORTING STRUCTURE.

3. THE METAL BUILDING FOUNDATIONS HAVE BEEN DESIGNED FOR THE MAXIMUM COLUMN REACTIONS PROVIDED ON THE PRELIMINARY PEMB SHOP DRAWINGS.

4. STEEL FRAMING SHALL BE FABRICATED AND ERECTED TO BE ELECTRICALLY CONTINUOUS FOR LIGHTNING PROTECTION.

CONCRETE MASONRY

1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90, TYPE II, TWO CELL UNITS. AND BE MADE WITH NORMAL WEIGHT AGGREGATE. THE COMPRESSIVE STRENGTH OF MASONRY, f_m , EXPRESSED AS FORCE PER UNIT OF NET CROSS-SECTIONAL AREA, SHALL BE 2000 PSI AT 28 DAYS.

2. REINFORCING STEEL SHALL COMPLY WITH ASTM A 615, GRADE 60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE HOOKED.

3. GROUT SHALL COMPLY WITH ASTM C 476, AND SHALL BE PROPORTIONED TO OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.

4. MORTAR SHALL COMPLY WITH ASTM C270, TYPE S. AGGREGATE FOR MORTAR SHALL COMPLY WITH ASTM C 144. AGGREGATE FAILING TO COMPLY WITH ASTM C 144 GRADATION REQUIREMENTS MAY BE USED PROVIDED THE MORTAR CAN BE PREPARED TO COMPLY WITH THE AGGREGATE RATIO, WATER RETENTION, AND COMPRESSIVE STRENGTH REQUIREMENTS OF THE PROPERTY SPECIFICATIONS ASTM C 270.

5. PROVIDE VERTICAL REINFORCING BARS OF THE GIVEN SIZE AND SPACING SHOWN ON THE DRAWINGS. TENSIONS AND COMPRESSION REINFORCEMENT SPLICES IN CONCRETE SHALL BE MADE AS FOLLOWS:

#4 BARS - 28"

#5 BARS - 35"

#6 BARS - 46"

#7 BARS - 63"

6. PROVIDE AT LEAST ONE VERTICAL BAR EACH SIDE OF ALL OPENINGS, CONTROL JOINTS, AND AT CORNERS AND INTERSECTIONS OF ALL MASONRY WALLS, BOTH BEARING AND NONBEARING WALLS.

7. PROVIDE REBAR DOWELS FROM THE FOUNDATION OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING. DOWELS SHALL HAVE STANDARD A.C.I. HOOKS. DOWELS SHALL HAVE A MINIMUM LAP AS SHOWN ON THE DRAWINGS.

8. PROVIDE STANDARD 9 GAUGE HORIZONTAL JOINT REINFORCING IN CMU WALLS AT 16" ON CENTER AND IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS, EXTENDING A MINIMUM OF 2'-0" OR 48 BAR DIAMETERS, WHICHEVER IS GREATER, BEYOND THE JAMB ON EACH SIDE OF THE OPENING, EXCEPT AT CONTROL JOINTS.

9. PROVIDE HORIZONTAL BOND BEAMS WITH CONTINUOUS REINFORCING AS SHOWN IN THE SECTIONS AND DETAILS. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS EXCEPT FOR THE BOND BEAM AT THE TOP OF THE WALL. INTERMEDIATE BOND BEAMS SHALL BE PROVIDED AS SHOWN.

10. PROVIDE 8" BOND BEAM (MINIMUM DEPTH UNLESS NOTED OTHERWISE) AT TOP OF ALL CMU WALLS AND OVER OPENINGS. REINFORCE BOND BEAM WITH (2) #5 BARS. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATIONS OF OPENINGS.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CITY OF AUGUSTA
BOYKIN PARK RICHMOND
COUNTY, GA

No.	Submitted / Revision	App'd By	Date
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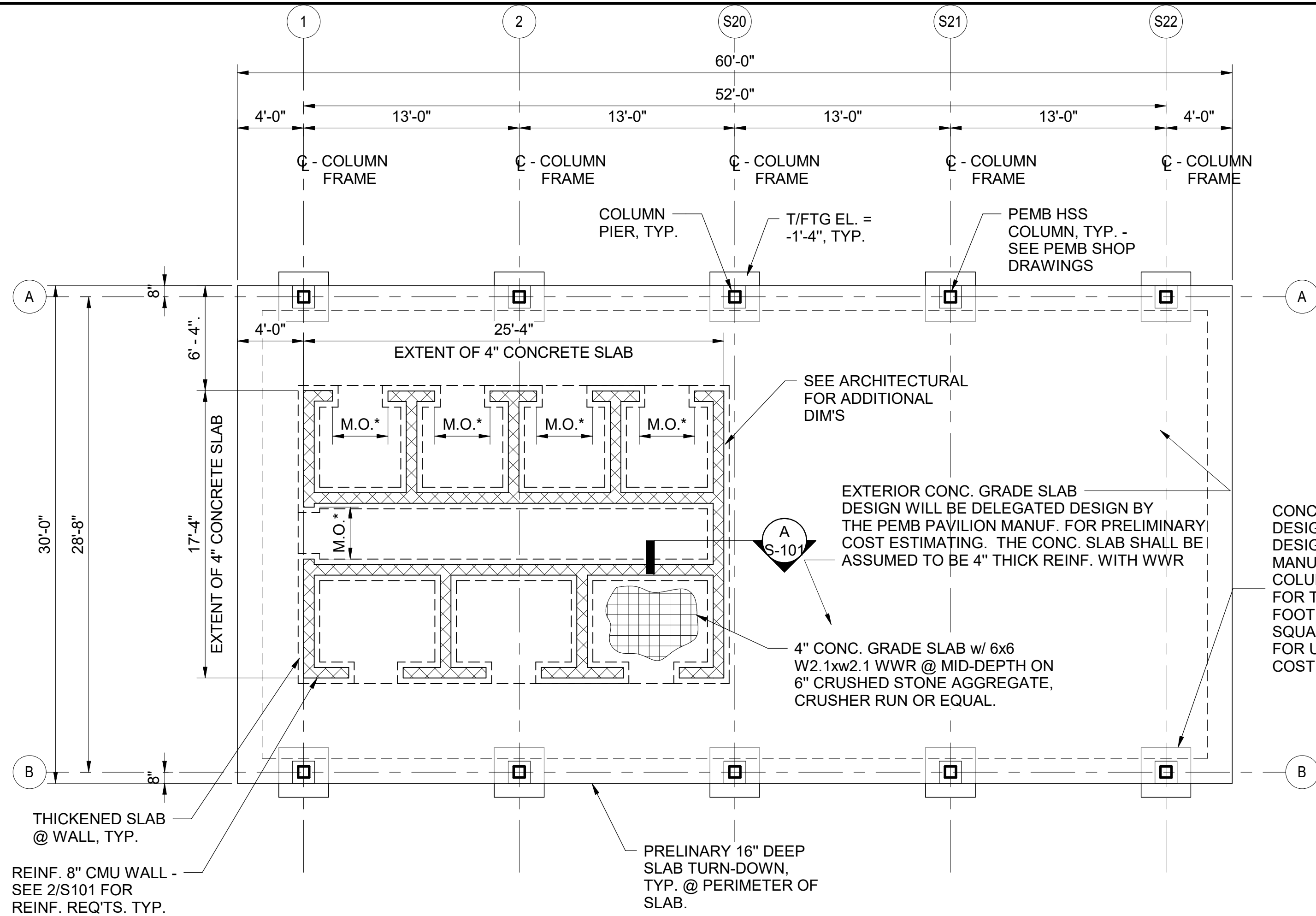
STRUCTURAL NOTES

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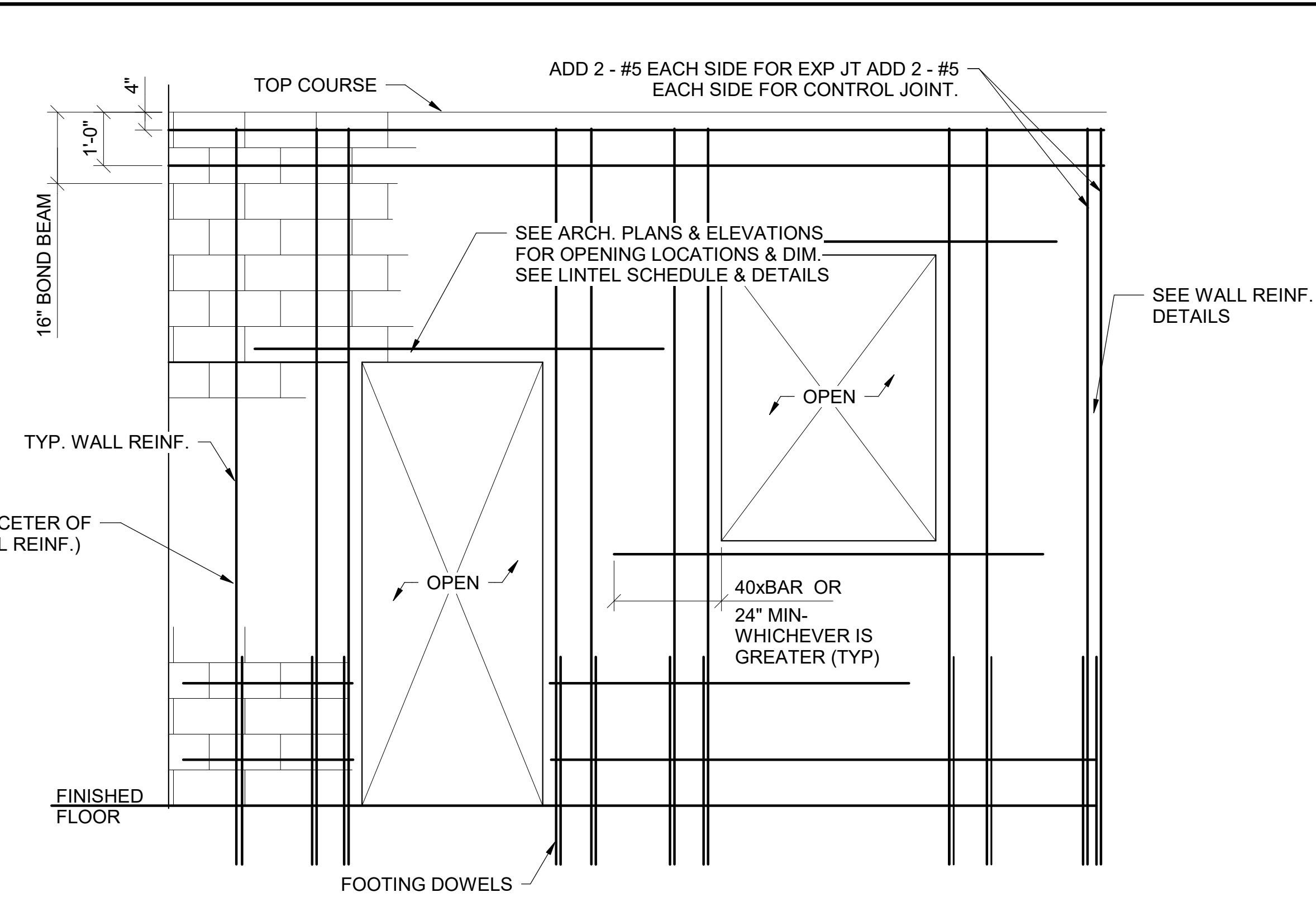
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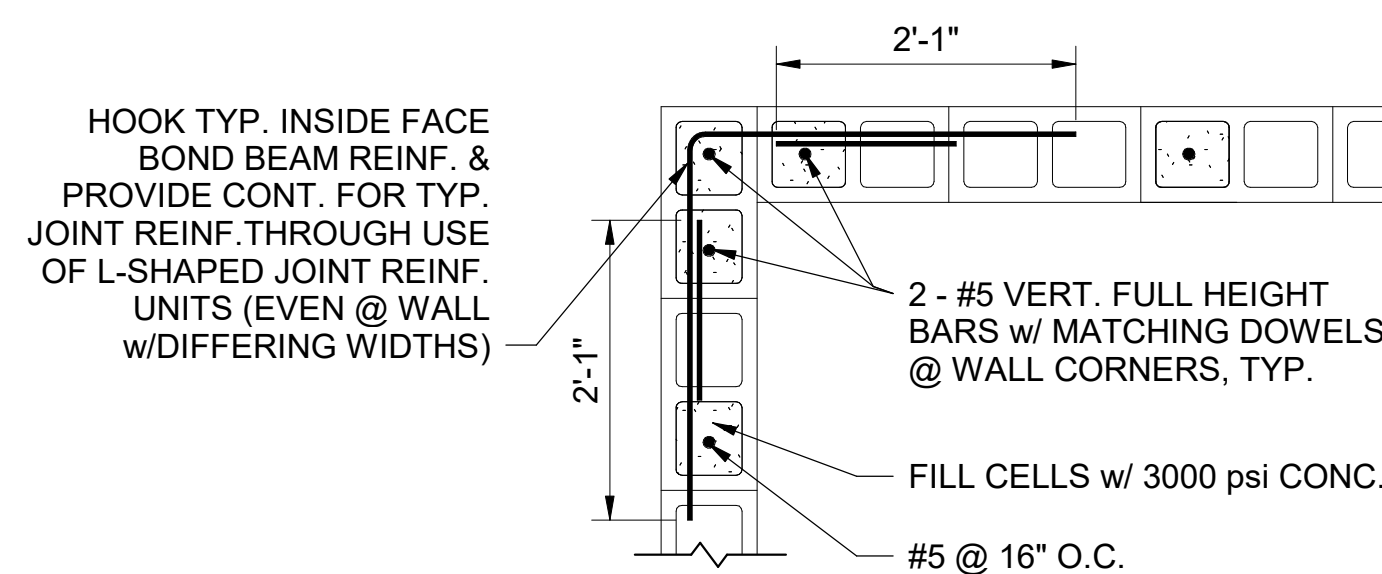
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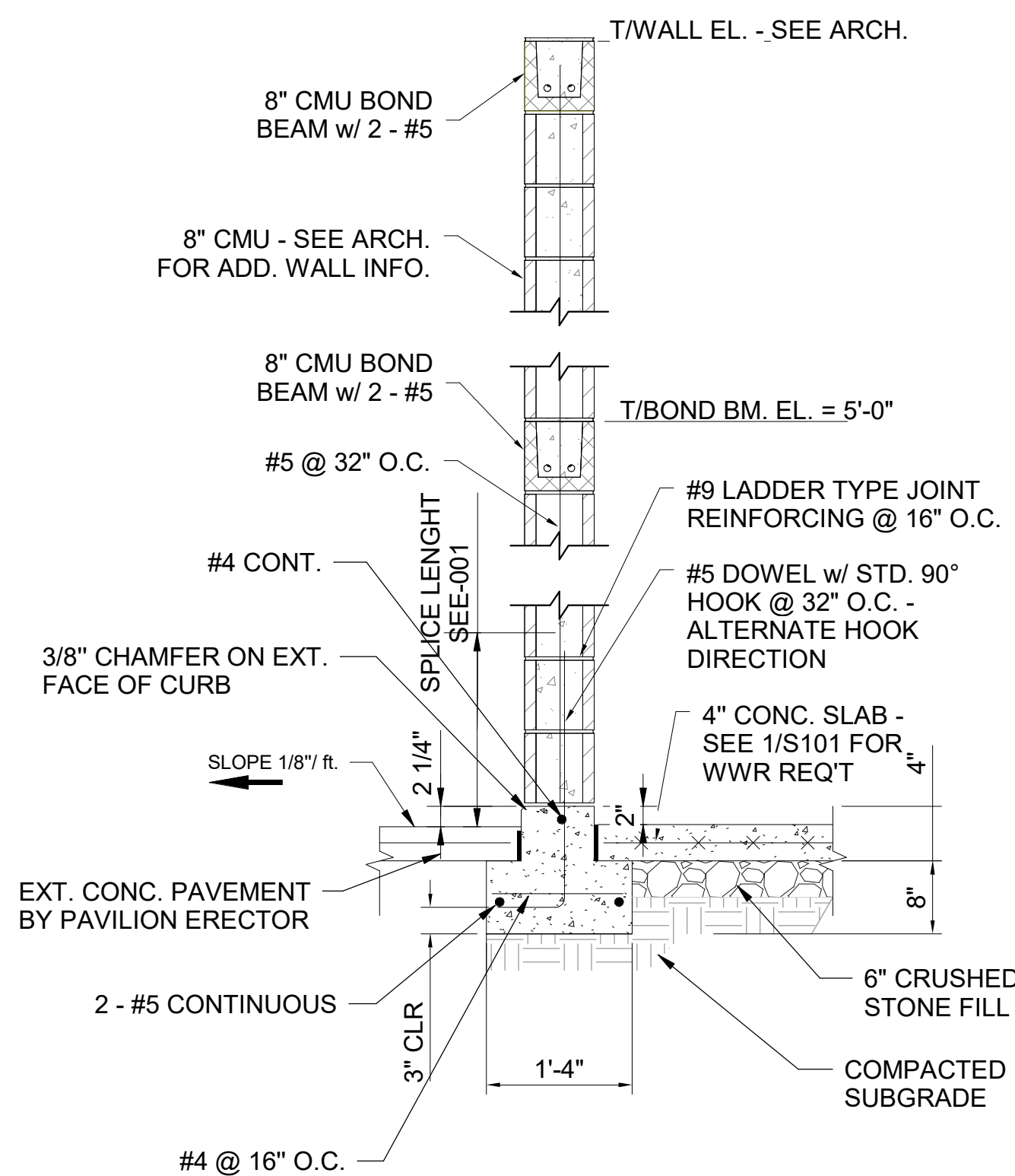
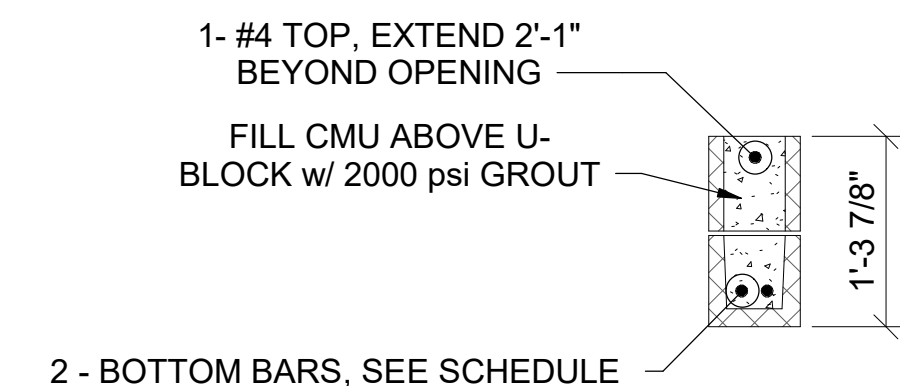
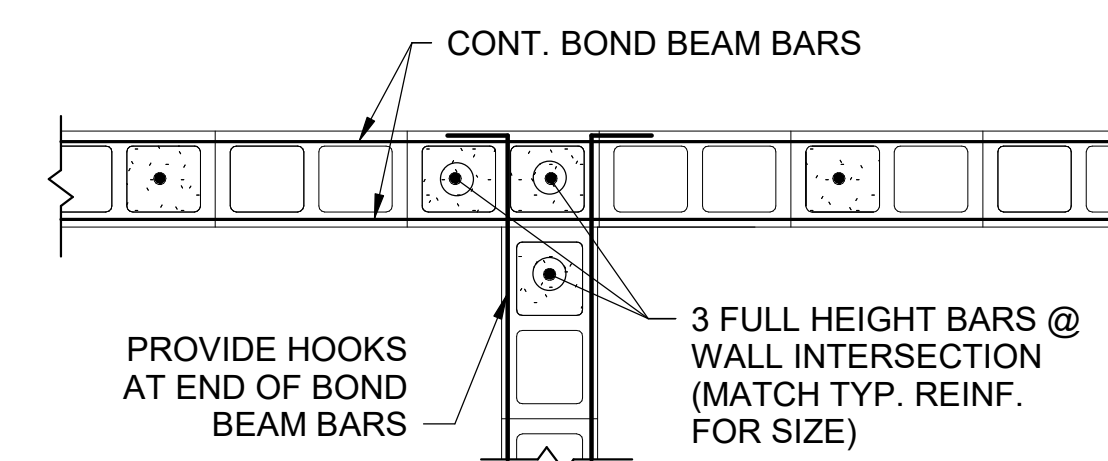
1 GROUND FLOOR
3/16" = 1'-0"



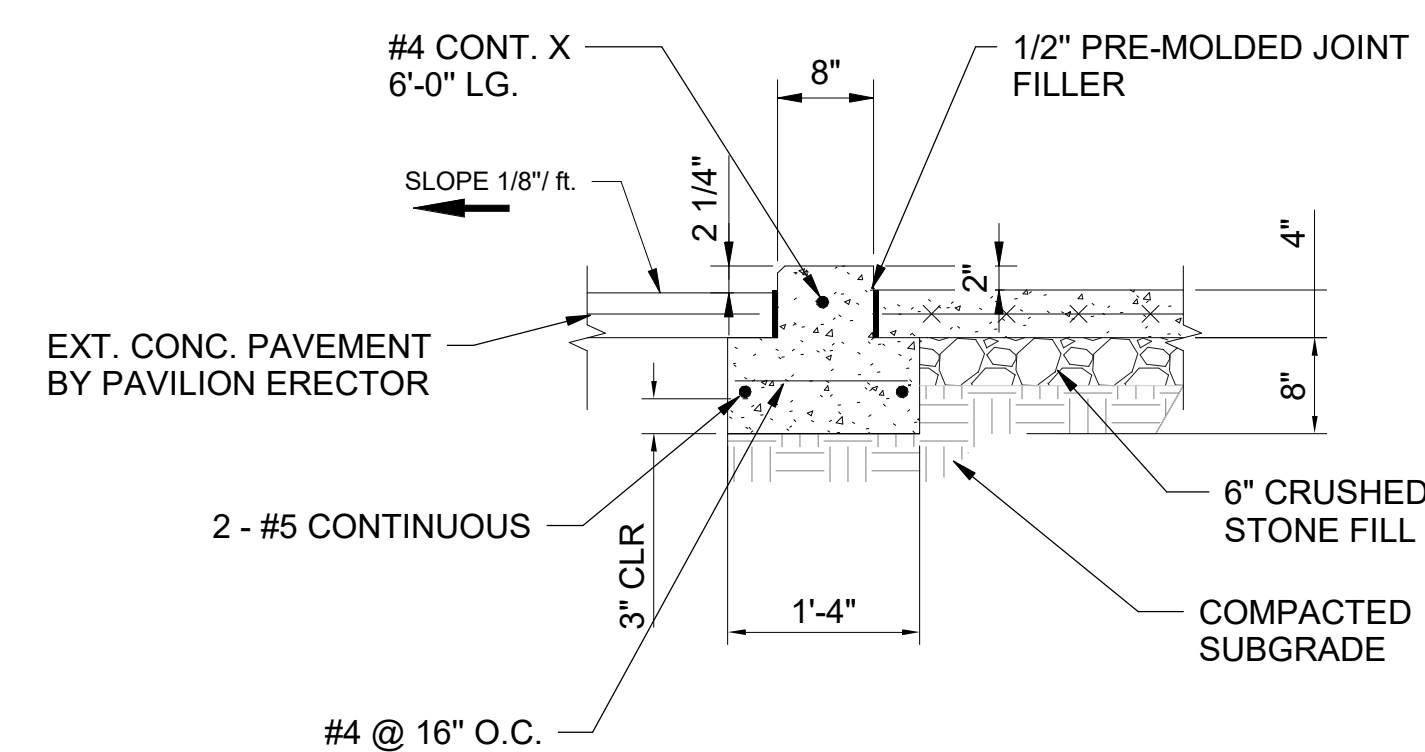
2 WALL REINFORCING DETAIL
1/2" = 1'-0"



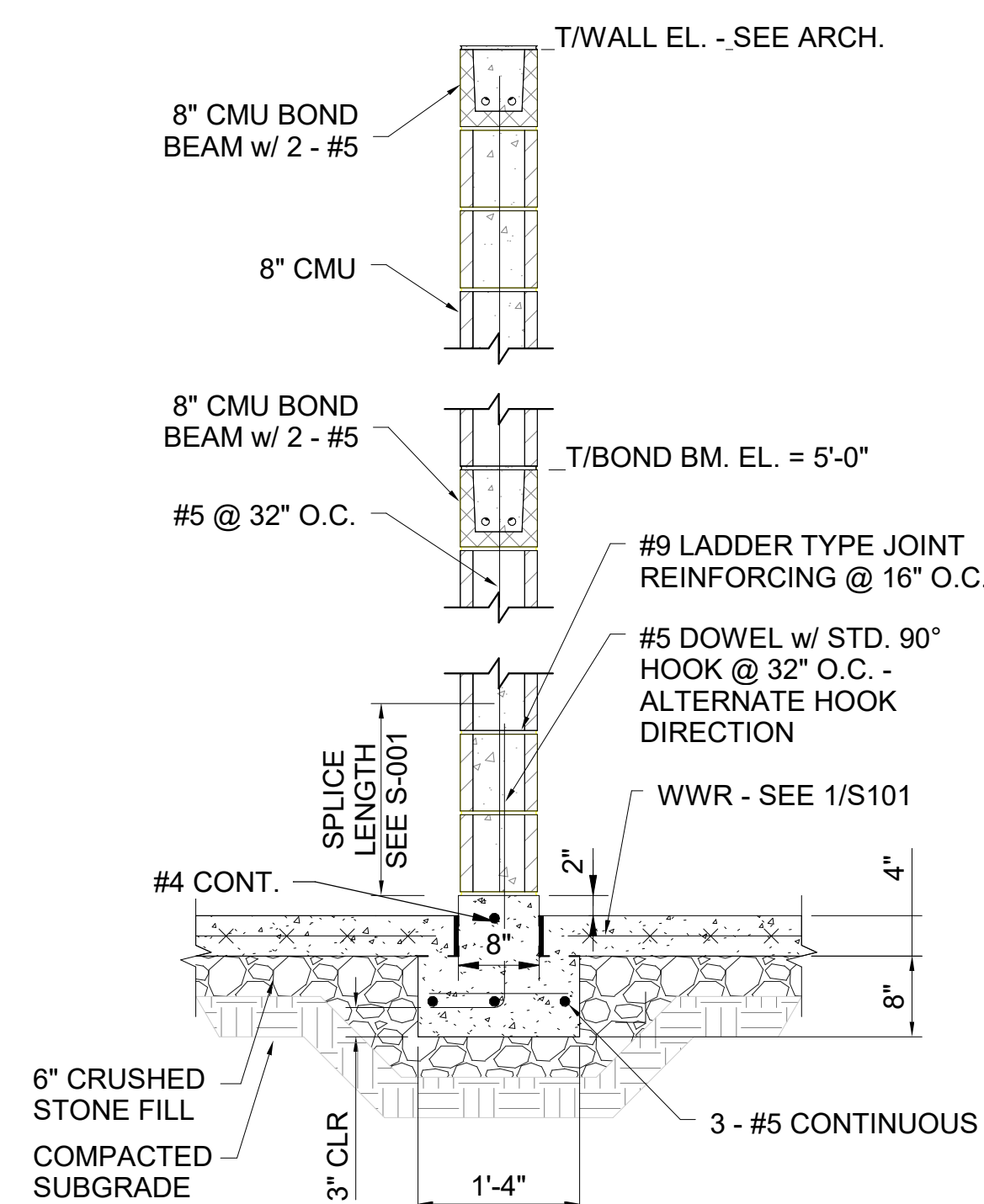
3 WALL REINFORCING DETAILS
3/4" = 1'-0"



A EXTERIOR WALL SECTION
3/4" = 1'-0"



B WALL SECTION @ WALL OPENING1
3/4" = 1'-0"



C INTERIOR WALL SECTION1
3/4" = 1'-0"



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Sustainable Design
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PICNIC PAVILLION FDN &
GRADE SLAB PLAN AND
MASONRY DETAILS

Designed By:	Drawn By:	Checked By:
JSMITH	JBARNER	JSMITH
Issue Date:	Project No:	Scale:
01/30/2026	SAV103325009	As indicated

Drawing No:

S-101