

POOLER FREE STANDING EMERGENCY ROOM

MEMORIAL HEALTH UNIVERSITY MEDICAL CENTER

AREA SUMMARY:

TOTAL GROSS ACREAGE: 2.36 ACRES
TOTAL DISTURBED AREA: 2.36 ACRES
IMPERVIOUS AREA: 57,537 SF (1.32 AC)

SITE DATA TABLE:

PARCEL ID: 51009 01105
PARCEL ZONING: PUD (MOsaic)
MAXIMUM BUILDING HEIGHT: 125'
PROPOSED BUILDING SQUARE FOOTAGE: 11,100 SF
PROPOSED HEIGHT: 27'-4"
FEMA FIRM MAP NUMBER: 13051C0109G
EFF: 08/16/2018, FLOOD ZONE X
WATERS OF THE STATE/WETLANDS: NOT PRESENT ONSITE
BUILDING SETBACKS:
FRONT: 30' (FROM CL OF ROW)
SIDE: 20' (FROM CL OF ROW)
REAR: 15' (FROM CL OF ROW)

CITY OF POOLER NOTES:

IN CASE OF CONFLICT BETWEEN THESE PLANS AND THE CITY OF POOLER'S ORDINANCES, STANDARDS, SPECIFICATIONS, OR DETAILS, THE CITY OF POOLER REQUIREMENTS SHALL BE REQUIRED.

ALL ROAD SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH MUTCD SPECIFICATIONS.

THE OWNER MUST CERTIFY THAT ALL LAND DISTURBING AND DEVELOPMENT ACTIVITIES WILL BE COMPLETED IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT DESIGN PLAN (CHAPTER 42, ARTICLE V, SECTION 42-183.4(6)).

OWNER:

TODD MAXWELL, VICE PRESIDENT, SAVANNAH HEALTH SERVICES, LLC.

THE DESIGNER MUST CERTIFY THAT THE DESIGN MEETS THE REQUIREMENTS OF THE CITY OF POOLER AND THE LATEST EDITION OF THE COASTAL STORMWATER SUPPLEMENT TO THE GEORGIA STORMWATER MANAGEMENT MANUAL, AND ANY RELEVANT LOCAL ADDENDA (CHAPTER 42, ARTICLE V, SECTION 42-183.4(5)).

ENGINEER:



CIVIL ENGINEER (APPLICANT)

INGRAM CIVIL ENGINEERING
212 OVERLOOK CIRCLE, SUITE 105
BRENTWOOD, TN 37027
OFFICE: 615-370-7964
ENGINEER OF RECORD: SAMUEL H. BOHANNON
LICENSE #: PE044208
CONTACT: CULLEN MORROW
EMAIL: CMORROW@INGRAMCIVIL.COM



ARCHITECT

HEREFORD DOOLEY ARCHITECTS
11 LEA AVENUE, SUITE 601
NASHVILLE, TN 37210
OFFICE: 615-244-7399
ARCHITECT: WILLIAM E. HEREFORD, III
AR #: 014031



ELECTRICAL ENGINEER

POWER MANAGEMENT CORPORATION
CONSULTING ENGINEERS
ENGINEER OF RECORD:
LICENSE #:

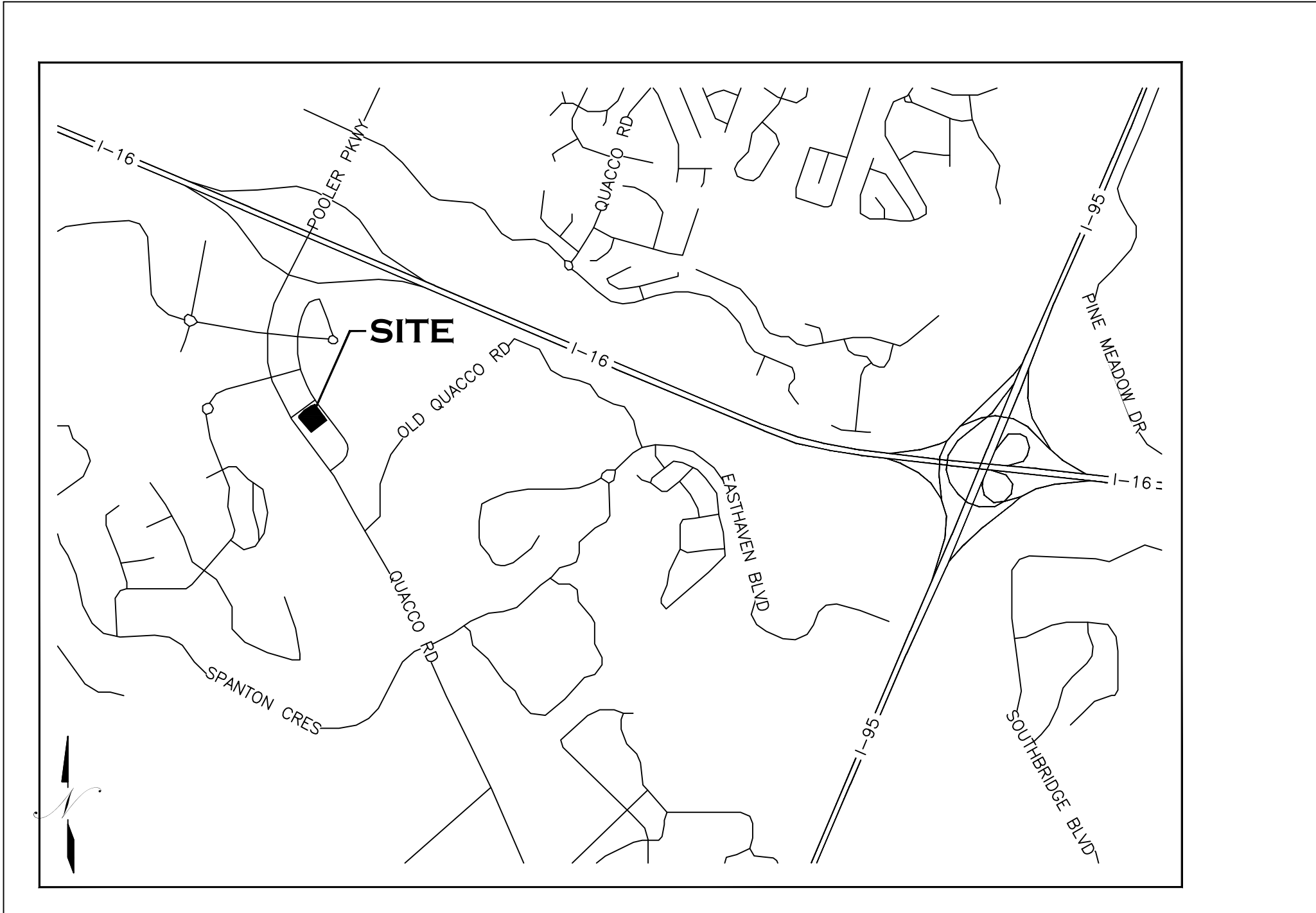


LANDSCAPE ARCHITECT

ATLANTIC STAR DESIGN
101 WINCHESTER DRIVE,
SAVANNAH, GA, 31410
OFFICE: 691.398.6662
CONTACT: STELLA MATTHEW, RLA, GRP
EMAIL: SMATTHEWS@ATLANTICSTARDESIGN.COM

SHEET INDEX:

COVER SHEET	C501	INTERMEDIATE STORM WATER POLLUTION PREVENTION PLAN
SURVEY	C502	FINAL STORM WATER POLLUTION PREVENTION PLAN
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C402 DRAINAGE PLAN	L210	IRRIGATION DETAILS & SPECIFICATIONS
C410 DRAINAGE DETAILS	A110	FLOOR PLAN
C411 STORM PROFILES	A200	EXTERIOR ELEVATIONS
C412 STORM PROFILES	A430	ENLARGED GENERATOR & DUMPSTER
C500 PRE-CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN	ES01	ELECTRICAL SITE PLAN



VICINITY MAP
(NTS)

OWNER

HCA
2545 PARK PLAZA
NASHVILLE, TN 37203
OFFICE: 615-344-2000
CONTACT: TODD MAXWELL
EMAIL: CORPREALESTATE@HCAHEALTHCARE.COM

24 HR CONTACT

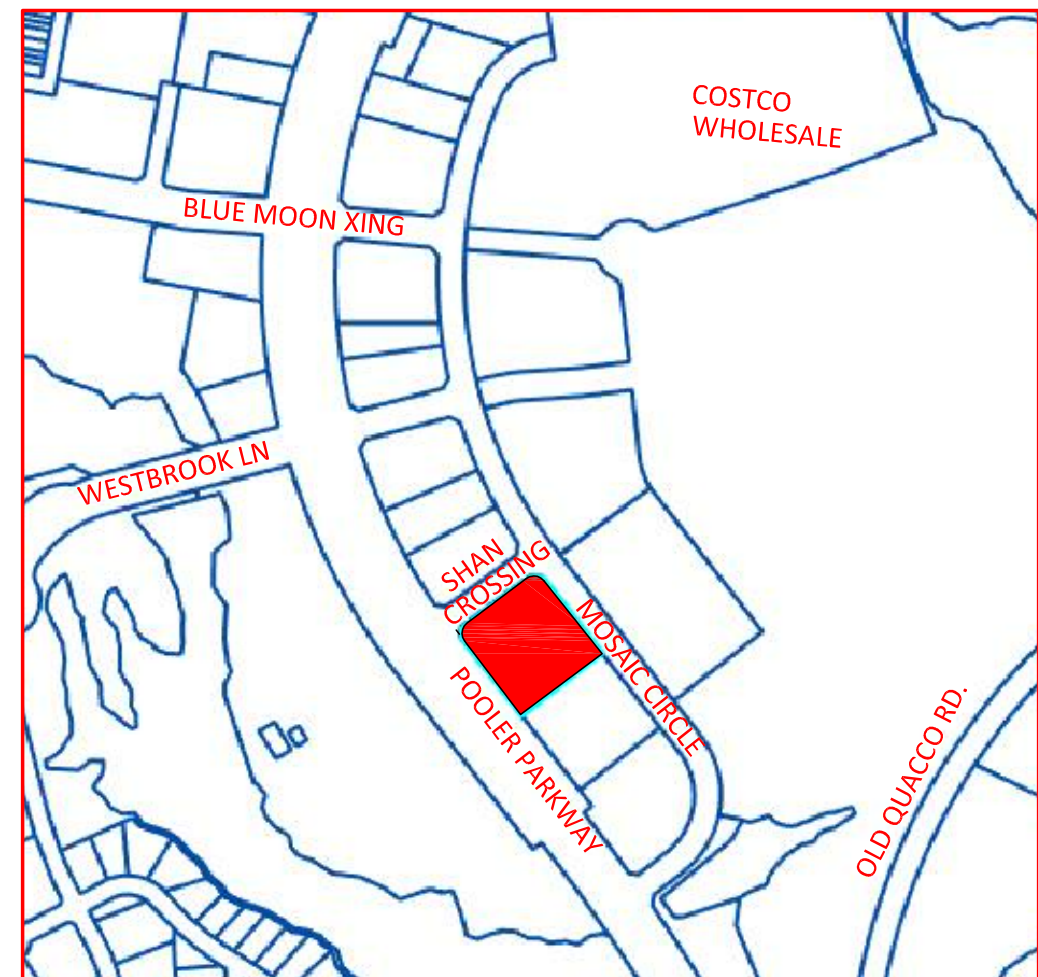
CONTACT: REID PEARSON
PHONE NUMBER: (615) 982-0398
EMAIL: REID.PEARSON@LIMBACHINC.COM

TOPOGRAPHIC SURVEY FOR
SAVANNAH HEALTH SERVICES, LLC

BEING IN THE 8TH G.M.D.,
OUTPARCEL 9 OF MOSAIC TOWN CENTER, TRACT II,
SOUTHWEST QUADRANT OF SAVANNAH QUARTERS,
POOLER PARKWAY, POOLER, CHATHAM COUNTY, GEORGIA

SURVEY DATE: DECEMBER 3, 2025
SURVEY REVISED: JANUARY 27, 2026
PLAT DATE: DECEMBER 8, 2025
PLAT REVISED: JANUARY 29, 2026

GRAPHIC SCALE : 1 INCH = 30 FT.



NAD 1983



THIS SURVEY WAS PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN THE GEORGIA PLAT ACT O.C.G.A. 15-6-67.

- SV - GAS VALVE
 - R/W - RIGHT OF WAY
 - PT - POWER TRANSFORMER BOX
 - UT - UNDERGROUND TELEPHONE
 - ST - STOP SIGN
 - BM - BENCH MARK
 - WV - WATER VALVE
 - UG - UNDERGROUND GAS
 - UC - UNDERGROUND COMMUNICATION
 - TP - TELEPHONE PEDESTAL
 - SC - SEWER CLEANOUT
 - LS - LIGHT
 - FD - FIRE HYDRANT
 - SM - SEWER MANHOLE
 - STH - STORM MANHOLE
 - WL - WATER LINE
 - UE - UNDERGROUND ELECTRIC
- EQUIPMENT USED: TOPCON PS-103A "TOTAL STATION"
- FIELD MEASUREMENTS WERE BASED UPON REDUNDANT MEASUREMENTS OF THE PROPERTY CORNERS WITH RESPECT TO EACH OTHER WITHIN THE SURVEY AND CONFORMS TO BOARD RULE 180-7-.03 FOR HORIZONTAL MEASUREMENTS FOR SUBJECT AREA.
- PLAT CLOSURE: 1/142.437
- BEARINGS SHOWN WERE CALCULATED FROM FIELD ANGLES TURNED REFERENCED TO GEORGIA EAST ZONE USING EXISTING CONTROL FOUND ON SITE.

NOTE: ALL UNDERGROUND UTILITIES MARKED HAVE BEEN SHOWN.

UNABLE TO PERFORM SURVEY ALONG POOLER HIGHWAY AT THIS TIME DUE TO ONGOING CONSTRUCTION. WE WILL CHECK BACK AT A LATER DATE TO UPDATE SURVEY.

AS SHOWN ON SURVEY - SOME STORM PIPES WERE FILLED WITH WATER. BEST DETERMINATION WAS MADE FOR PIPES AND DIRECTION OF PIPES.

AS-BUILT INFORMATION REQUESTED FROM CITY OF POOLER HAS NOT BEEN PROVIDED.

Southeastern
Surveying, Inc.

601 N. St. Augustine Rd. Telephone: 229-259-9455
Valdosta, GA 31601 Fax: 229-259-9926
E-mail: btherring@sesurveying.com
GA Certificate of Authorization No. 685

2.355 ACRES

OUTPARCEL 9
MOSAIC TOWN CENTER
PHASE III, SOUTHWEST QUADRANT
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01105

Ticket Number : 251202-002229 Ticket Type : Normal
Date/Time : 12/02/2025 10:10

Members (responses as of Wednesday, December 10, 2025 11:56 AM)
Code Name Facility Type Phone

AGL124 ATLANTA GAS LIGHT SAVANNAH - AGL124 Gas (912) 222-2198 [Main]
(877) 427-4321 [Damage]
December 04, 2025 3:54 PM 1A: Marked (usic)

BSCAATT / D - BSCA Telecommunication (706) 763-9207 [Main]
(800) 247-2020 Ext 1 [Damage]
December 04, 2025 6:00 PM 3M: Unmarked: Late, Weather conditions - Contact utility owner/operator for further information. (utiliquest)

CASO1 COMCAST CABLE SAVANNAH - CASO1 Telecommunication (678) 708-7112 [Main]
(855) 962-8525 Ext 2 OPT 1 [Damage]
December 04, 2025 6:06 PM 3M: Unmarked: Late. This is a violation of the statute. (rth)
December 04, 2025 6:01 PM 3M: Unmarked: Late, Weather conditions - Contact utility owner/operator for further information. (utiliquest)

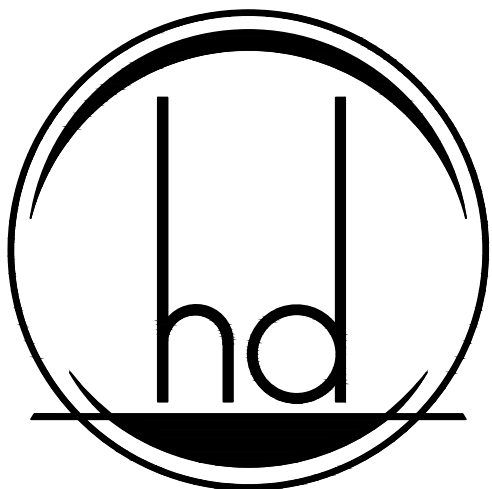
CLRWV1 HARGRAY OF GEORGIA dba CLEARWAVE FIBER - CLRWV1 Telecommunication (800) 778-9140 [Main]
(305) 747-4273 [Damage]
December 04, 2025 3:54 PM 1A: Marked (usic)

GP517 GEORGIA POWER SAVANNAH - GP517 Electric (404) 506-6539 [Main]
December 04, 2025 6:01 PM 3M: Unmarked: Late, Weather conditions - Contact utility owner/operator for further information. (utiliquest)
December 04, 2025 6:00 PM 3M: Unmarked: Late, Weather conditions - Contact utility owner/operator for further information. (urbint)

PLR50 CITY OF POOLER - PLR50 Water (912) 330-8650 [Main]
December 04, 2025 10:27 AM 1A: Marked (digitx)

PLR51 CITY OF POOLER - PLR51 Sewer (912) 330-8650 [Main]
December 04, 2025 10:28 AM 5: No conflict, utility is outside of requested work site. (digitx)

STHRN UNITI FIBER LLC - STHRN Telecommunication (800) 778-9140 [Main]
(877) 652-2321 [Damage]
December 04, 2025 3:54 PM 5: No conflict, utility is outside of requested work site. (usic)



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NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225027.00
CLIENT #282800002

POOLER FSER

STATUS CONSTRUCTION
DOCUMENTS



INGRAM CIVIL
ENGINEERING
GROUP, LLC
212 Overlook Circle, Suite 105
Brentwood, Tennessee 37027
615.370.7964 Office
615.370.1273 FAX
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # 1244236
SAMUEL HUNTER BONHAM, P.E.

William E. Hereford, III
AR # 96247

02/23/2026

△

DATES OF ISSUANCE

TITLE DEMOLITION
PLAN

SHEET C100

GENERAL DEMOLITION NOTES

1. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE CITY OF POOLER STANDARD SITE WORK SPECIFICATIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS, AS NOTED. SEE SITE WORK SPECIFICATIONS.
3. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
4. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
5. ENGINEER'S NOTICE TO CONTRACTOR: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
6. SITE LAYOUT FOR SAVANNAH HEALTH SERVICES, LLC BY INGRAM CIVIL ENGINEERING GROUP, LLC, BASED ON SITE SURVEY BY SOUTHEASTERN SURVEYING, INC. ON 12-3-25. ORIGINAL TOPOGRAPHICAL INFORMATION IS BASED ON A SURVEY BY SOUTHEASTERN SURVEYING, INC. ON 12-3-25. THE ENGINEER, THE OWNER, OR ANY OF THE OWNER'S CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION.
7. ALL NOTED DISTANCES WITH REGARD TO ITEMS TO BE DEMOLISHED ARE APPROXIMATE.
8. WRITTEN DIMENSIONS PREVAIL. DO NOT SCALE THESE DRAWINGS. PRINTED DIMENSIONS WHICH ARE OMITTED OR IN CONFLICT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR REVIEW AND RESPONSE. DIMENSIONS ARE FROM FACE OF CURB / EDGE OF PAVEMENT AND FACE OF BUILDING, UNLESS NOTED OTHERWISE.

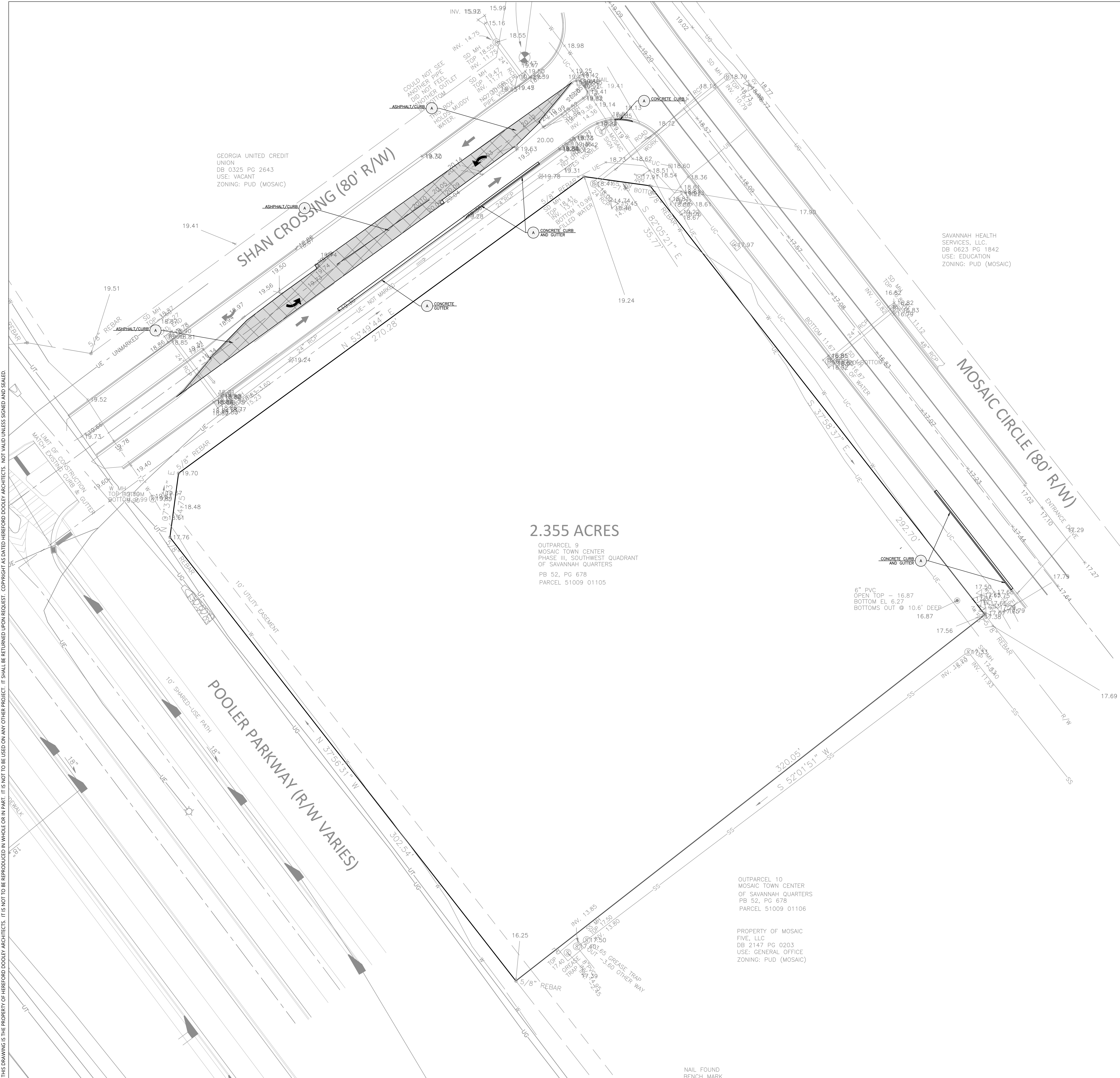
DEMOLITION NOTES

○ TO BE REMOVED

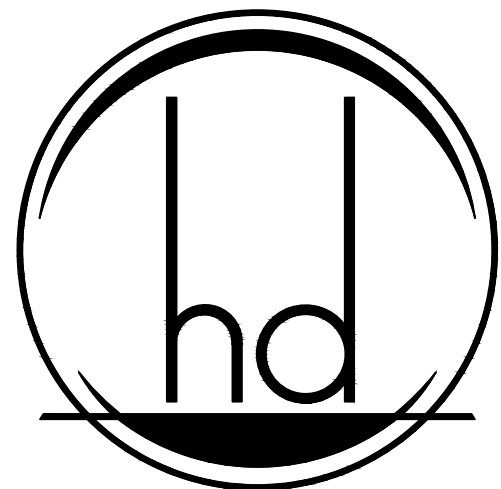
LEGEND: DEMOLITION

EXISTING PAVEMENT TO BE SAWCUT & REMOVED

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NAIL FOUND
BENCH MARK



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PROJECT
225027.00
CLIENT #282800002

POOLER FSER

CONSTRUCTION
DOCUMENTS

STATUS



William E. Hereford, III
AR # 96247

02/23/2026

DATE OF ISSUANCE

TITLE

SITE PLAN

SHEET

C200

GENERAL SITE NOTES

1. SITE LAYOUT FOR SAVANNAH HEALTH SERVICES, LLC BY INGRAM CIVIL ENGINEERING GROUP, LLC, BASED ON SITE SURVEY BY SOUTHEASTERN SURVEYING, INC ON 12-3-25.
2. ORIGINAL TOPOGRAPHICAL INFORMATION IS BASED ON A SURVEY BY SOUTHEASTERN SURVEYING, INC ON 12-3-25. THE ENGINEER, THE OWNER, OR ANY OF THE OWNER'S CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION.
3. ALL CIVIL/SITE WORK ELEMENTS INDICATED TO BE CONSTRUCTED ON THE PLANS ARE TO BE BUILT IN STRICT ACCORDANCE WITH THE STANDARDS ADOPTED BY THE CITY OF POOLER, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL SITE WORK MUST ALSO COMPLY WITH THE CITY OF POOLER ENVIRONMENTAL REQUIREMENTS AND FEDERAL EPA REQUIREMENTS.
4. WRITTEN DIMENSIONS PREVAIL. DO NOT SCALE THESE DRAWINGS. PRINTED DIMENSIONS WHICH ARE OMITTED OR IN CONFLICT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR REVIEW AND RESPONSE. DIMENSIONS ARE FROM FACE OF CURB / EDGE OF PAVEMENT AND FACE OF BUILDING, UNLESS NOTED OTHERWISE.
5. DIMENSIONS LOCATING THE BUILDING IN RELATIONSHIP TO THE PROPERTY LINES HAVE BEEN PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. WHERE POSSIBLE, COORDINATES CAN BE USED TO ESTABLISH PHYSICAL LENGTHS ALONG THE BUILDING PERIMETER. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FROM STRUCTURAL AND ARCHITECTURAL DRAWINGS THE ACTUAL EXTENT OF THE BUILDING ON THE PROPERTY. BUILDING LAYOUT SHALL BE BASED SOLELY ON DIMENSIONAL INFORMATION PROVIDED ON STRUCTURAL AND ARCHITECTURAL DRAWINGS. DISCREPANCIES WHICH IMPACT SITE LAYOUT SHOULD BE IMMEDIATELY REPORTED TO THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL SITE FEATURES, (BUILDINGS, ROADS, PARKING, PADS, WALKS, ETC.) AND WILL EMPLOY A LAND SURVEYOR LICENSED TO PRACTICE IN THE PROJECT'S REGION OF CONSTRUCTION TO STAKE OUT AND MAINTAIN ALL REQUIRED CONTROL POINTS THROUGHOUT THE LIFE OF THE PROJECT. THE SURVEYOR SHALL CERTIFY TO THE ENGINEER, IN WRITING, THAT THE LAYOUT IN THE FIELD SUBSTANTIALLY CONFORMS TO THE LAYOUT INDICATED ON THE CONTRACT DOCUMENTS. LAYOUT DISCREPANCIES OR CHANGES SHOULD BE SO NOTED TO THE ENGINEER.
7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS, MONUMENTS, HUBS, AND STAKED LOT CORNERS DURING THE CONSTRUCTION OF THE WORK AND SHALL BEAR ANY COST ASSOCIATED WITH REPAIR.
8. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
9. MATERIALS AND PROCESSES OF CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. WHILE THE ENGINEER HAS PROVIDED, FOR THE CONVENIENCE OF THE CONTRACTOR, DRAWINGS OUTLINING CERTAIN REQUIRED OSHA MINIMUM SAFETY PRACTICES, THE ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION OR FOR VERIFYING THAT SUCH MEASURES ARE IMPLEMENTED ON SITE. MAINTAINING A SAFE ENVIRONMENT DURING THE PROMULGATION OF THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR, THE ENGINEER, THE OWNER AND OTHER CONSULTANTS. HAVE NO EXPERTISE, NOR ACCEPT ANY LIABILITY, IMPLIED OR OTHERWISE, FOR MATERIALS AND PROCESSES OF CONSTRUCTION.
10. THE CONTRACTOR SHALL NOT COMMENCE ANY WORK WHICH IS NOT UNDER THE CONTROL OR OWNERSHIP OF THE OWNER WITHOUT WRITTEN PERMISSION FROM THE PROPERTY'S OWNER OR CONTROLLING INTEREST. WHERE CONTROLLING INTEREST IS A LOCAL, STATE, OR FEDERAL AGENCY, THEN APPROVAL FOR CONSTRUCTION SHALL CONSTITUTE AUTHORITY TO COMMENCE WORK.
11. WHERE NOT SPECIFICALLY NOTED OTHERWISE, ALL CONCRETE FINISHES SHALL BE SLIP RESISTANT PER TECHNICAL SPECIFICATIONS.
12. ALL ACCESSIBLE PARKING SPACES, INDICATED WITH THE GRAPHIC ACCESSIBLE SYMBOL, DENOTE ACCESSIBLE PARKING SPACES ARE DESIGNED TO CONFORM TO ADA AND GEORGIA ACCESSIBILITY STANDARD SPECIFICATIONS. ALL INDICATED SPACES SHALL RECEIVE THE PAINTED SYMBOL AND APPROPRIATE IDENTIFICATION SIGNAGE. WHERE REQUIREMENTS ARE DIFFERENT OR IN EXCESS OF THESE, THE CONTRACTOR WILL ALLOW FOR THOSE ADDITIONAL REQUIREMENTS IN HIS PRICE AND PROMPTLY SUBMIT THEM TO THE ENGINEER.
13. THE CONTRACTOR IS RESPONSIBLE FOR USING THE ONE-CALL SYSTEM OR OTHER MEANS TO CONTACT AND VERIFY LOCATIONS OF ALL UTILITIES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR REPAIRS TO DAMAGED UTILITIES.
14. THE CONTRACTOR IS TO CONTROL TRAFFIC FLOW DURING TIME OF CONSTRUCTION. ANY AND ALL TRAFFIC CONTROL IMPLEMENTED DURING THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
15. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY MUST BE IN ACCORDANCE WITH CITY OF POOLER AND GEORGIA D.O.T. REGULATIONS.

SITE DETAILS

1	CONCRETE SIDEWALK	16	CURB TRANSITION
2	CONCRETE JOINTS	17	PIPE BOLLARD
3	CONCRETE JOINT SEALANTS	18	CONCRETE UTILITY PAD
4	HEAVY DUTY ASPHALT PAVEMENT	19	CONCRETE UTILITY PAD - HEAVY DUTY
5	LIGHT DUTY ASPHALT PAVEMENT	20	CONCRETE DUMPSTER PAD
6	HEAVY DUTY CONCRETE PAVEMENT	21	TRAFFIC FLOW ARROWS
7	LIGHT DUTY CONCRETE PAVEMENT	22	STOP BAR
8	CONCRETE CURB AND GUTTER	23	STRIPING
9	FLUSH CURB	24	PAINTED CROSSWALK
10	CONCRETE POST CURB	25	"ONE WAY, DO NOT ENTER" SIGN
11	ACCESSIBLE SPACE LAYOUT	26	CITY OF POOLER SIDEWALK
12	ACCESSIBLE SIGNS	27	CITY OF POOLER ACCESSIBLE CURB RAMP
13	ACCESSIBLE SYMBOL	28	CITY OF POOLER RAISED CONCRETE ISLAND
14	ACCESSIBLE CURB RAMP	29	CITY OF POOLER CONCRETE DRIVE SWALE
15	WHEEL STOP	30	STOP SIGN

SITE NOTES

- A DUMPSTER ENCLOSURE. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
- B GENERATOR ENCLOSURE. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
- C 10' X 10' TRANSFORMER PAD. COORDINATE FINAL SIZE AND SECTION WITH MANUFACTURER'S SPECIFICATIONS.
- D 24'-8" X 28' GENERATOR PAD. COORDINATE FINAL SIZE AND SECTION WITH MANUFACTURER'S SPECIFICATIONS.
- E DECONTAMINATION TANK. COORDINATE WITH MECHANICAL PLANS.
- F UNDERGROUND PROPANE TANK. COORDINATE WITH MECHANICAL PLANS AND LOCAL PROVIDER.
- G FLUSH CONDITION.
- H MONUMENT SIGN. COORDINATE WITH ARCHITECTURAL PLANS.
- I "AMBULANCE ONLY" SIGN
- J "ONE WAY ONLY" SIGN WITH RIGHT TURN ARROW SIGN
- K PRECAST BOLLARD. COORDINATE WITH ARCHITECTURAL.
- L "STOP" SIGN. COORDINATE WITH CITY OF POOLER/GADOT REQUIREMENTS.
- M STRIPING IN PUBLIC ROW SHOULD BE YELLOW.

LEGEND: SITE

	PROPOSED HC ACCESSIBLE PARKING SPACE
	PROPOSED SIGN
	PROPOSED PRECAST WHEEL STOP
	PROPOSED TRAFFIC ARROW
	PROPOSED STOP BAR
	PROPOSED CROSS WALK MARKING
	PROPOSED HEAVY DUTY ASPHALT PAVEMENT
	PROPOSED LIGHT DUTY ASPHALT PAVEMENT
	PROPOSED HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED LIGHT DUTY CONCRETE PAVEMENT
	PROPOSED CONCRETE WALK



2 3
TO BE PERFORMED
ON ALL CONCRETE

GEORGIA UNITED CREDIT
UNION
DB 0325 PG 2643
USE: VACANT
ZONING: PUD (MOSAIC)

SAVANNAH HEALTH
SERVICES, LLC
DB 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOSAIC)

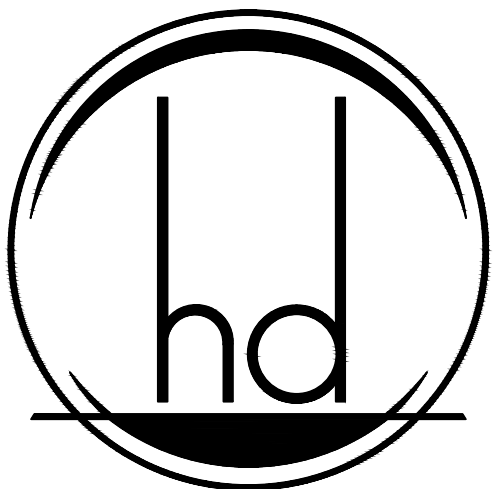
2.355 ACRES

ONE STORY
FSER BUILDING
FFE:21.00

OUTPARCEL 10
MOSAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01106

PROPERTY OF MOSAIC
FIVE, LLC
DB 2147 PG 0203
USE: GENERAL OFFICE
ZONING: PUD (MOSAIC)

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PROJECT # 225027.00
CLIENT #282800002

POOLER FSER

STATUS CONSTRUCTION DOCUMENTS



William E. Hereford, III
AR # 96247

02/23/2026

△

DATES OF ISSUANCE

TITLE

SITE LAYOUT PLAN

SHEET

C201

Requirement	Variable No.	No. of Spaces
Health Care Facility		
1 Space per 5 Beds	11 Beds	3
1 Space per Employee	27 Employees	27
Total Spaces Required =		30
Existing Spaces =		0
Accessible Spaces =		4
Proposed Spaces =		46
Total Provided Spaces =		50

CURVE TABLE

R5	R-5'
R8	R-8'
R10	R-10'
R15	R-15'
R20	R-20'
R25	R-25'
R28	R-28'

SITE NOTES

- A FLUSH CONDITION.
B SOLID WHITE REFLECTIVE 4 INCH STRIPES.

SAVANNAH HEALTH SERVICES, LLC.
DB 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOSAIC)

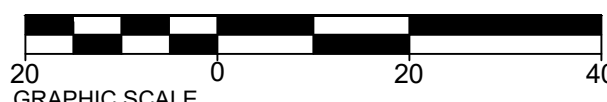
GEORGIA UNITED CREDIT UNION
DB 0325 PG 2643
USE: VACANT
ZONING: PUD (MOSAIC)

2.355 ACRES
ONE STORY
FSER BUILDING
FFE:21.00

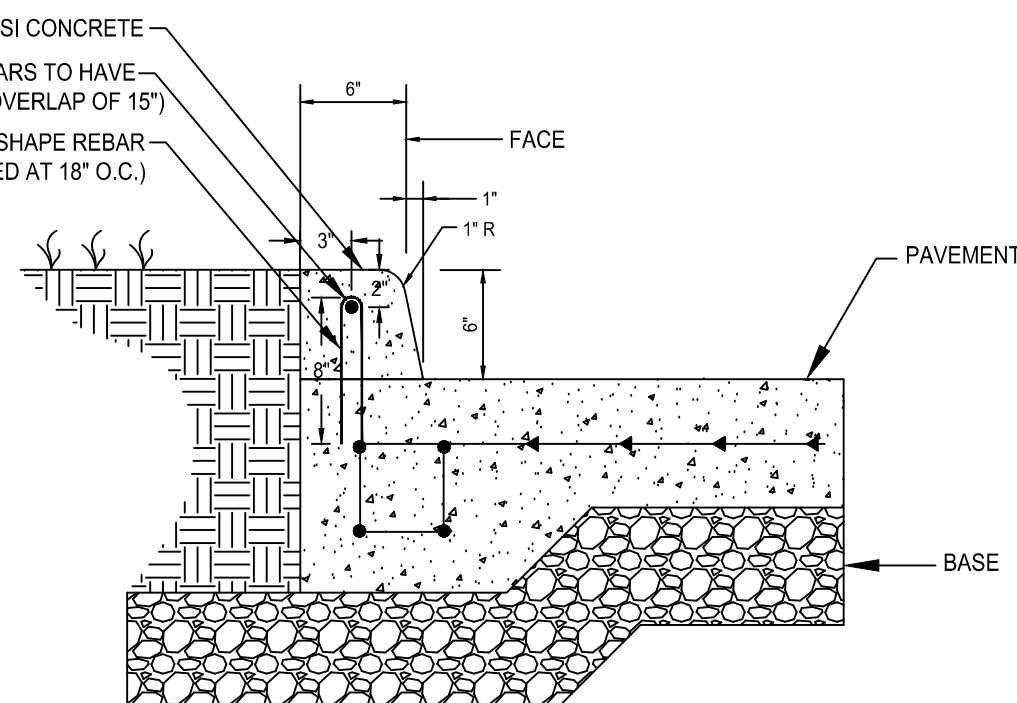
OUTPARCEL 10
MOSAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL S1009 01106

PROPERTY OF MOSAIC FIVE, LLC
DB 2147 PG 0203
USE: GENERAL OFFICE
ZONING: PUD (MOSAIC)

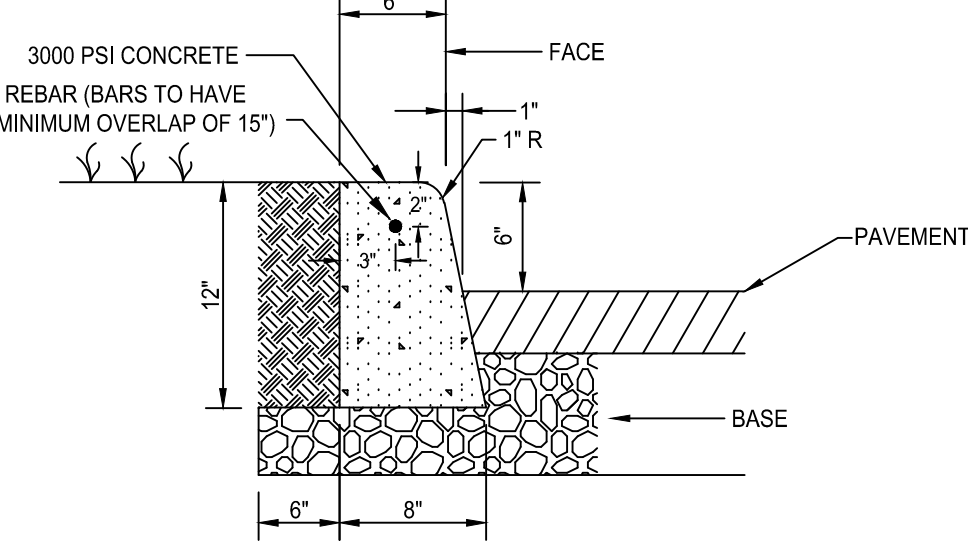
NAIL FOUND BENCH MARK



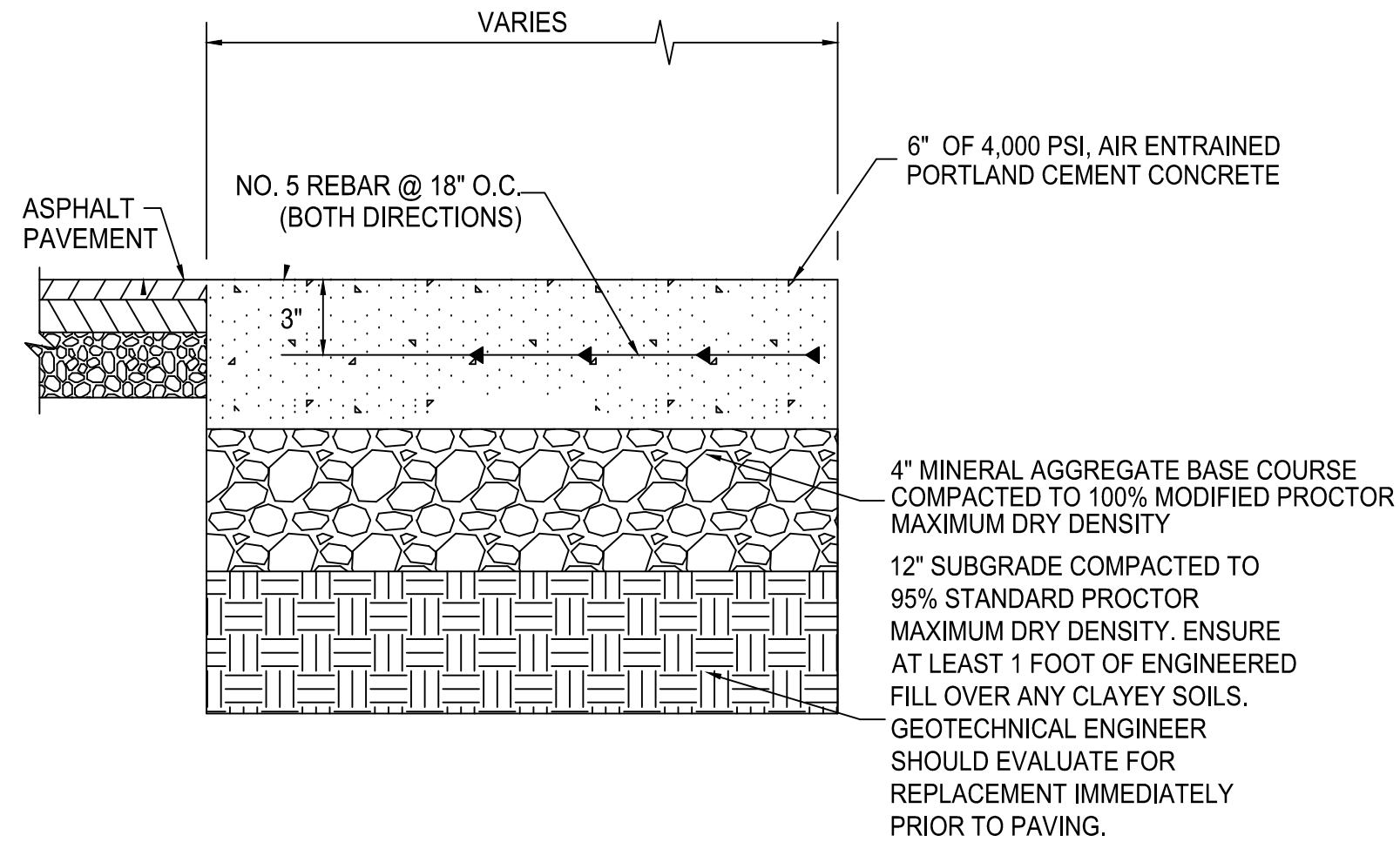
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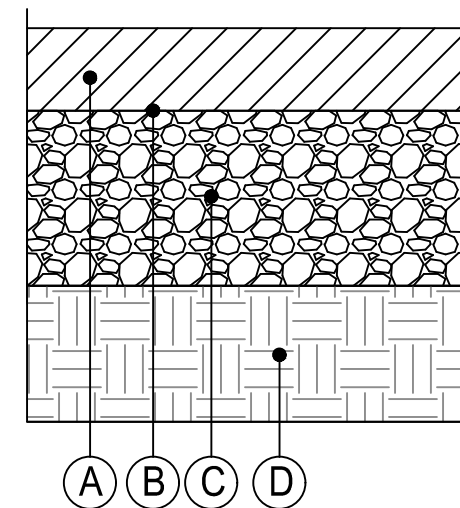
CONCRETE POST CURB-CONCRETE PAVEMENT



CONCRETE POST CURB-ASPHALT PAVEMENT
(NOT TO SCALE)

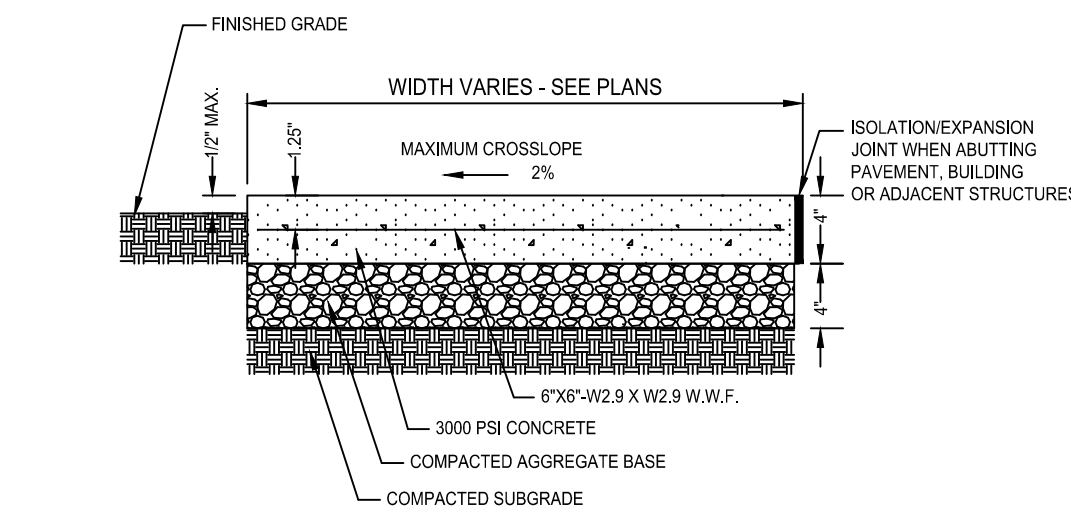


CONCRETE PAVEMENT-LIGHT DUTY
(NOT TO SCALE)

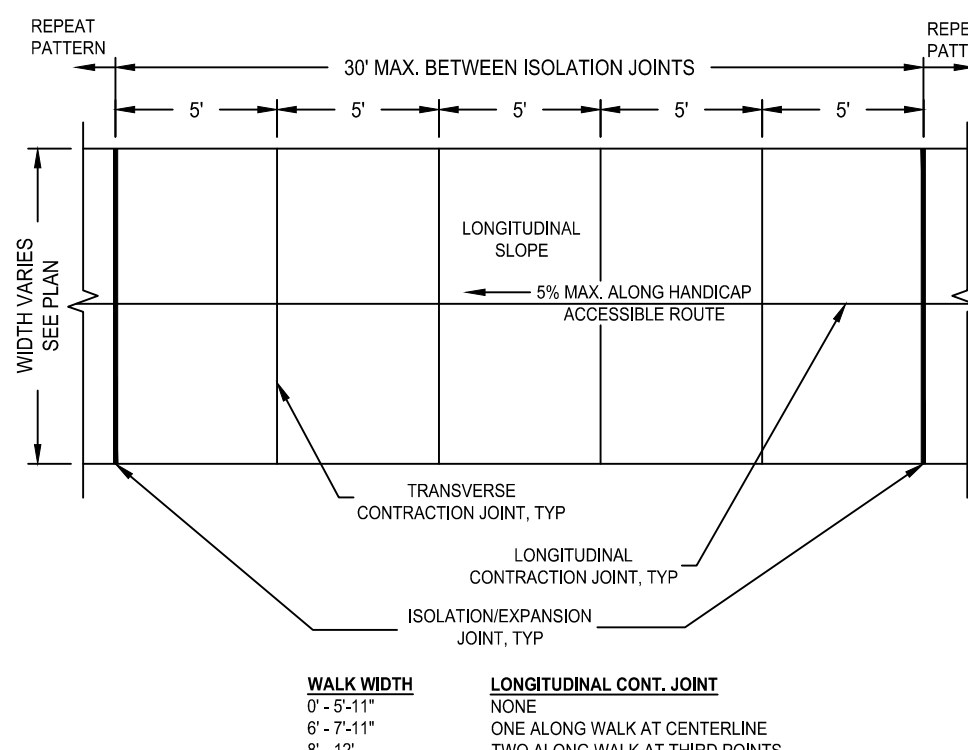


- (A) 3.5" ASPHALTIC CONCRETE SURFACE COURSE
(B) TACK COAT
(C) 8" MINERAL AGGREGATE BASE COURSE
COMPACTED TO 100% OF THE MAXIMUM
MODIFIED PROCTOR DRY DENSITY
(D) 12" SUBGRADE COMPACTED TO 95% OF
THE MAXIMUM MODIFIED PROCTOR DRY
DENSITY. ENSURE AT LEAST 1 FOOT OF
ENGINEERED FILL OVER ANY CLAYEY
SOILS. GEOTECHNICAL ENGINEER
SHOULD EVALUATE FOR REPLACEMENT
IMMEDIATELY PRIOR TO PAVING.

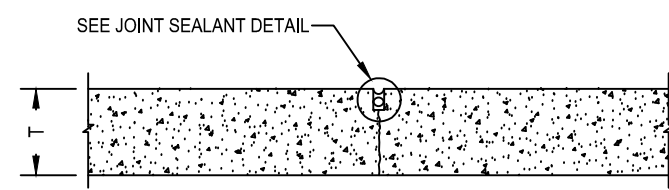
ASPHALT PAVEMENT SECTION (HEAVY DUTY)
(NOT TO SCALE)



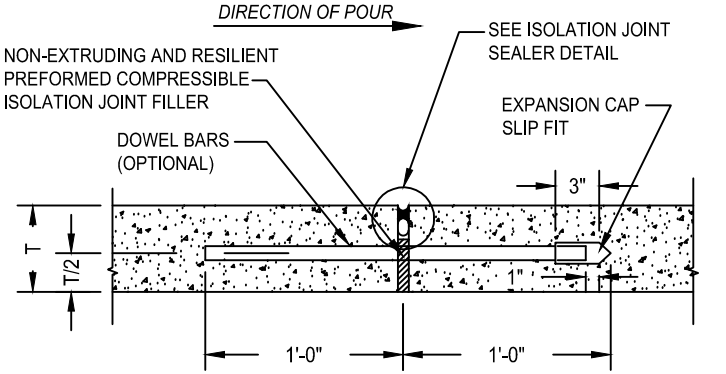
TRANSVERSE SECTION



PARTIAL PLAN
SEE TYPICAL JOINT AND JOINT SEALANT DETAILS
COORDINATE WITH TECHNICAL SPECIFICATIONS.
CONCRETE WALK (TYP)
(NOT TO SCALE)

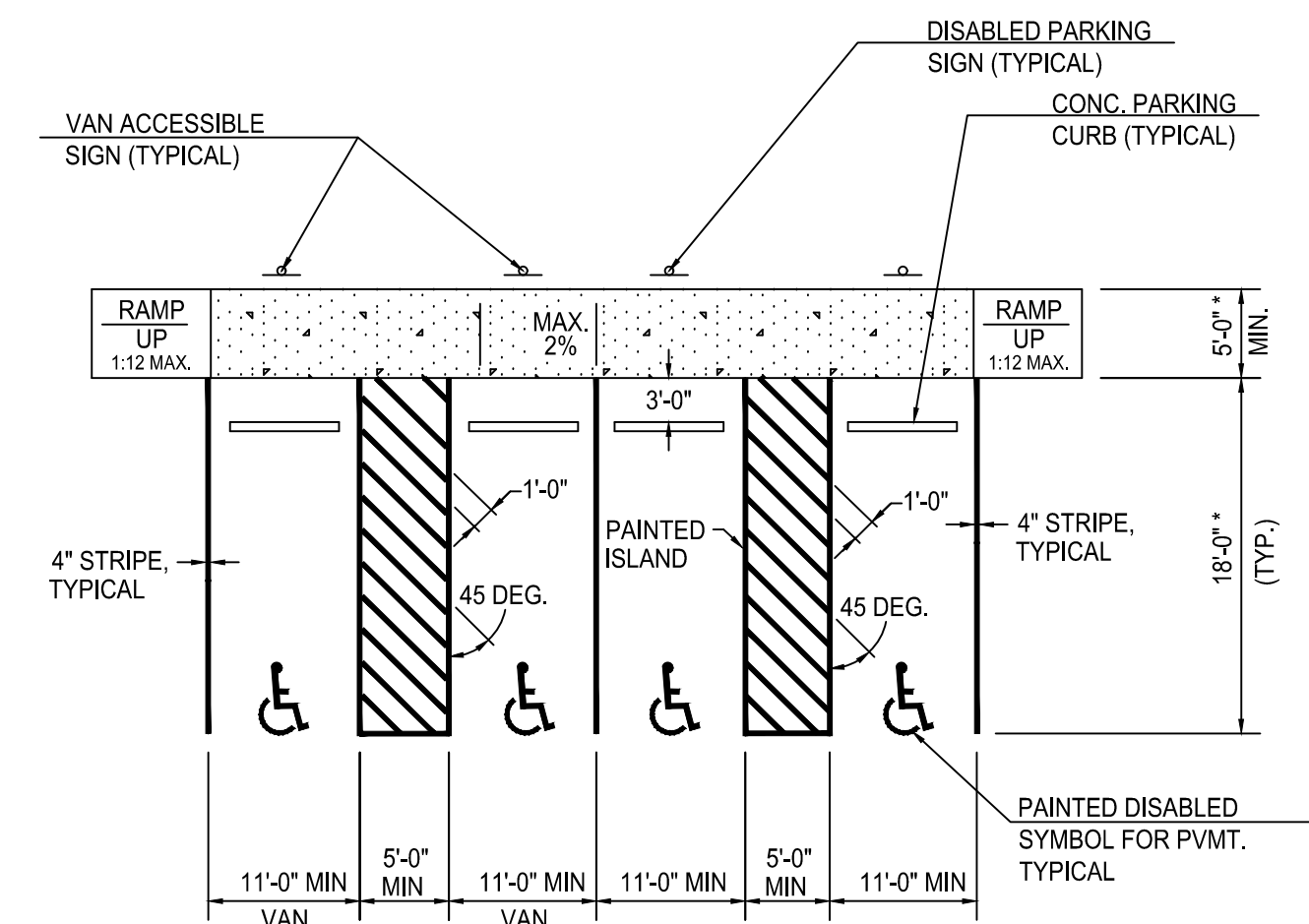


CONTRACTION JOINT

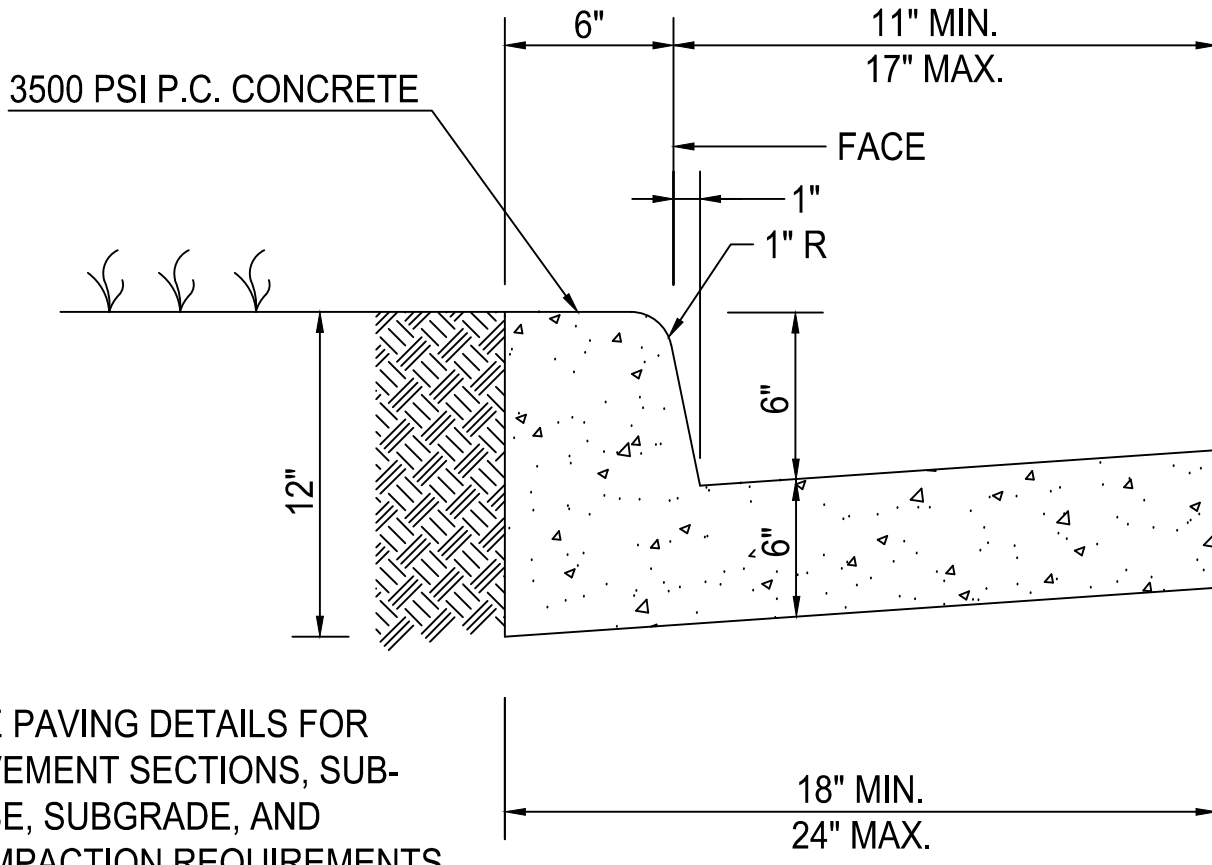


ISOLATION JOINT

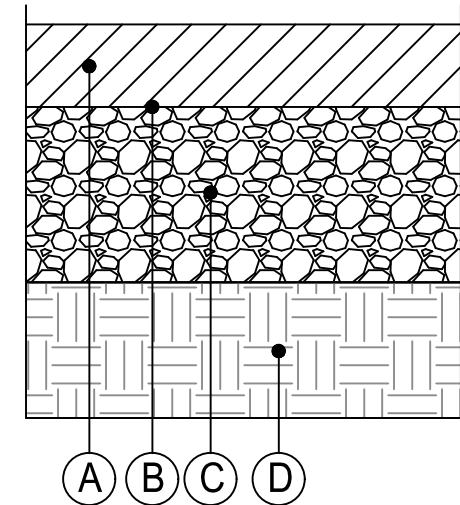
- NOTE:
1- COORDINATE ALL JOINTS WITH TECHNICAL SPECIFICATIONS
2- DOWEL BARS ARE NOT TO BE USED UNLESS SPECIFICALLY NOTED
T = PAVEMENT THICKNESS
TE = THICKNESS OF ADJACENT PAVEMENT
COORDINATE WITH TECHNICAL SPECIFICATIONS.
CONCRETE JOINT DETAILS (TYP)
(NOT TO SCALE)



ACCESSIBLE PARKING SPACE LAYOUT
UNIVERSAL DESIGN
(NOT TO SCALE)

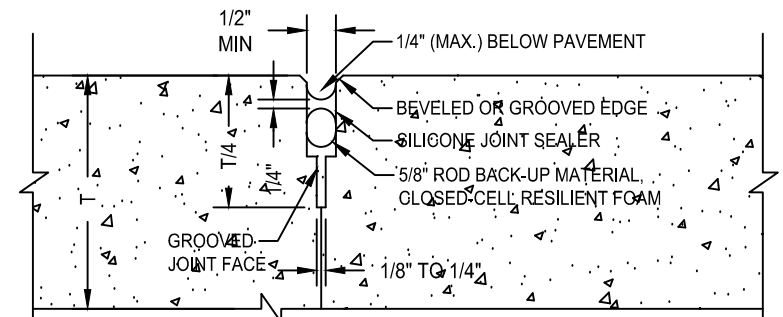


CONCRETE CURB & GUTTER
(NOT TO SCALE)

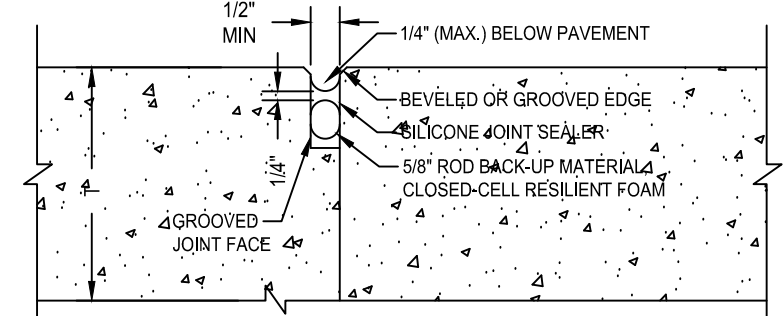


- (A) 2" ASPHALTIC CONCRETE SURFACE COURSE
(B) TACK COAT
(C) 6" MINERAL AGGREGATE BASE COURSE
COMPACTED TO 100% OF THE MAXIMUM
MODIFIED PROCTOR DRY DENSITY
(D) 12" SUBGRADE COMPACTED TO 95% OF
THE MAXIMUM MODIFIED PROCTOR DRY
DENSITY. ENSURE AT LEAST 1 FOOT OF
ENGINEERED FILL OVER ANY CLAYEY
SOILS. GEOTECHNICAL ENGINEER
SHOULD EVALUATE FOR REPLACEMENT
IMMEDIATELY PRIOR TO PAVING.

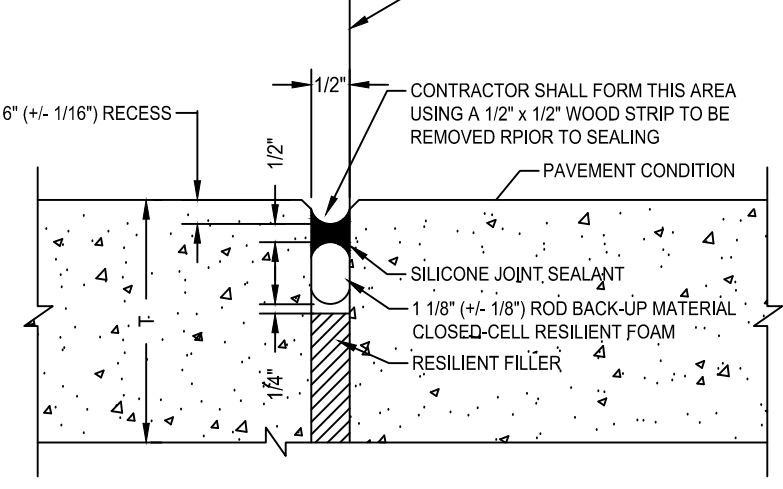
ASPHALT PAVEMENT SECTION (LIGHT DUTY)
(NOT TO SCALE)



CONTRACTION JOINT

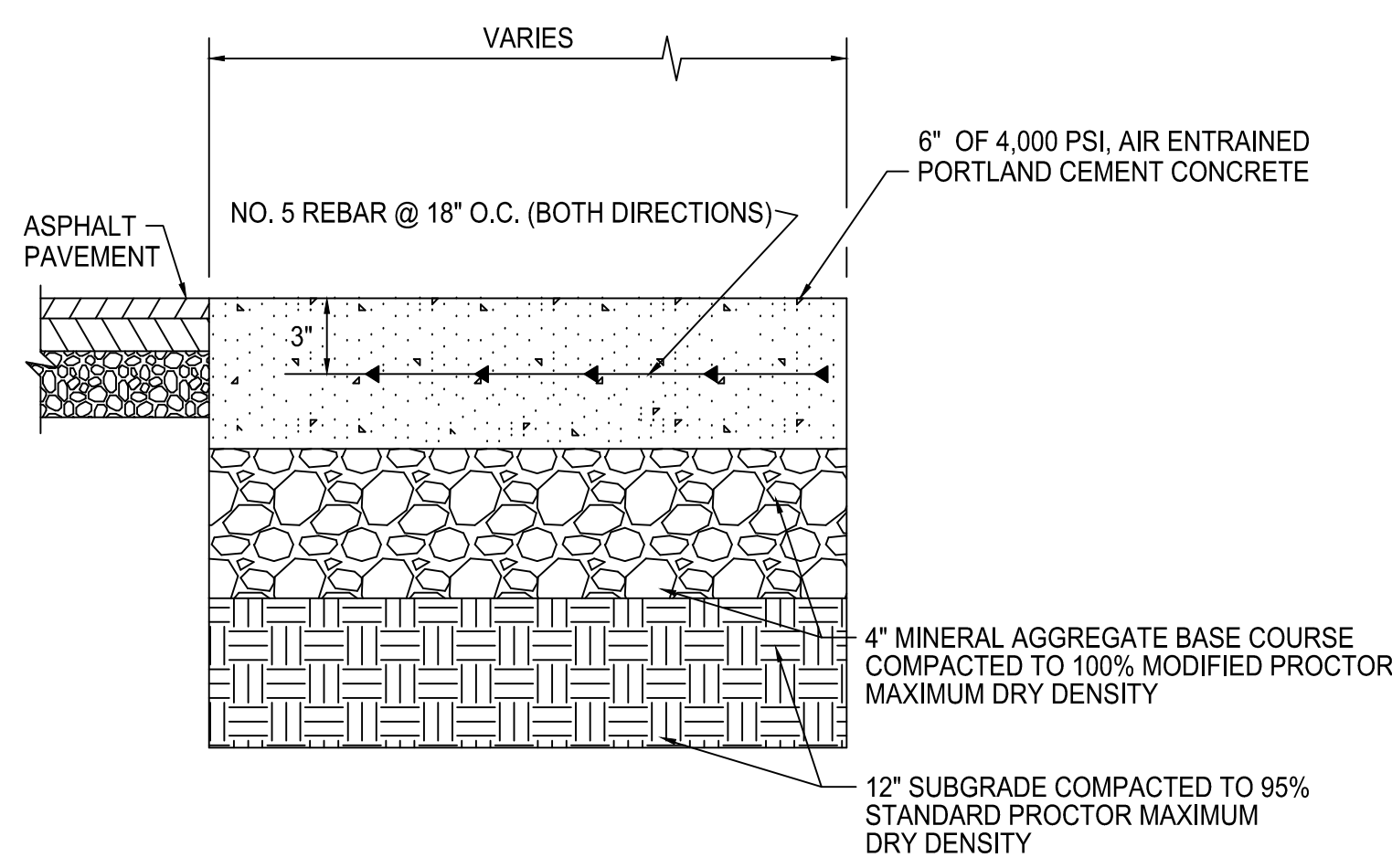


CONSTRUCTION JOINT

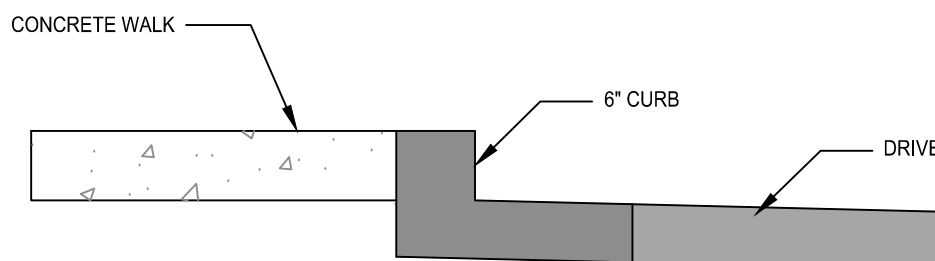
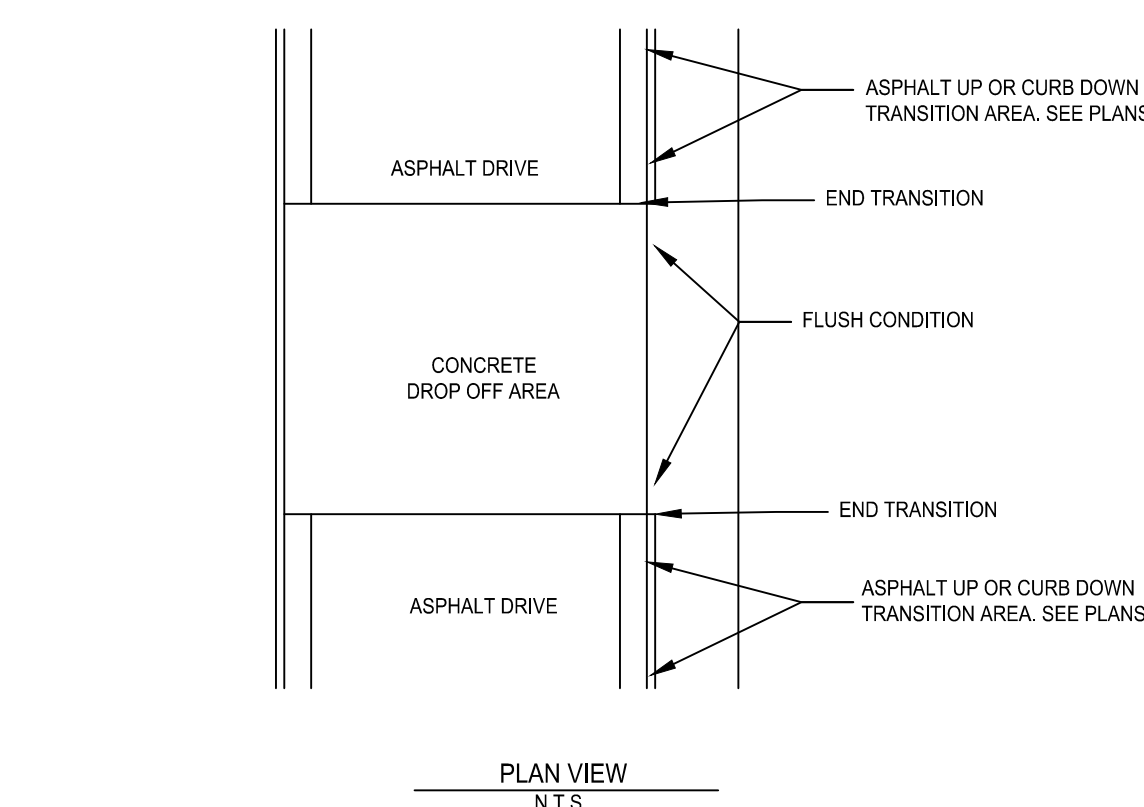


ISOLATION / EXPANSION JOINT

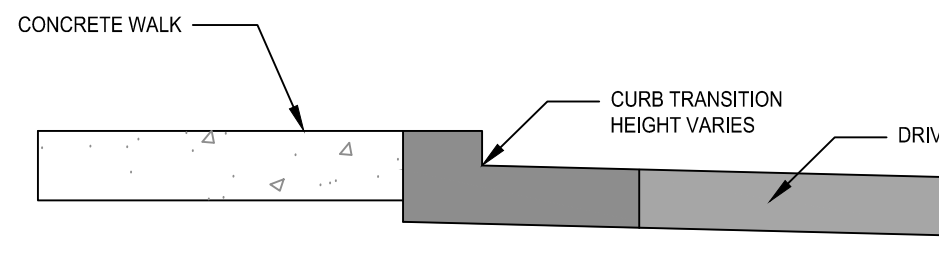
- T = PAVEMENT THICKNESS
COORDINATE WITH TECHNICAL SPECIFICATIONS
CONCRETE JOINT SEALANT DETAILS
(NOT TO SCALE)



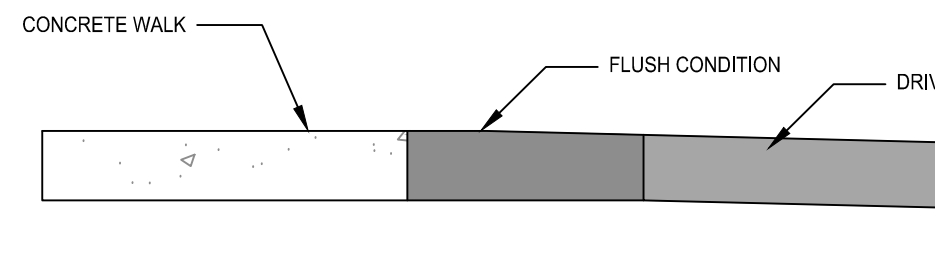
CONCRETE PAVEMENT-HEAVY DUTY
(NOT TO SCALE)



SECTION "AA" - FULL CURB
N.T.S.

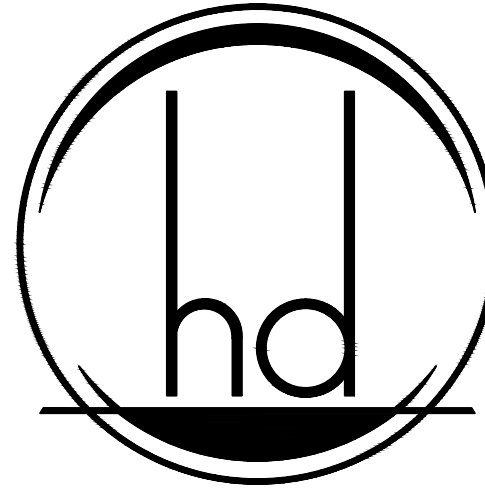


SECTION "BB" - CURB TRANSITION
N.T.S.



SECTION "CC" - FLUSH CONDITION
N.T.S.

FLUSH CURB CONDITION
(NOT TO SCALE)



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PROJECT # 225027.00
CLIENT #282800002

POOLER FSER

CONSTRUCTION
DOCUMENTS



INGRAM CIVIL
ENGINEERING
GROUP, LLC
212 OAKLEIGH CIRCLE, SUITE 105
BIRMINGHAM, TENNESSEE 37027
615.370.7964 OFFICE
615.370.1273 FAX
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # 00442636
SAMUEL H. BONHAM, P.E.

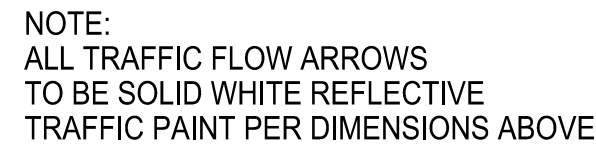
William E. Hereford, III
AR # 96247

02/23/2026

TITLE SHEET DATES OF ISSUANCE

SITE DETAILS

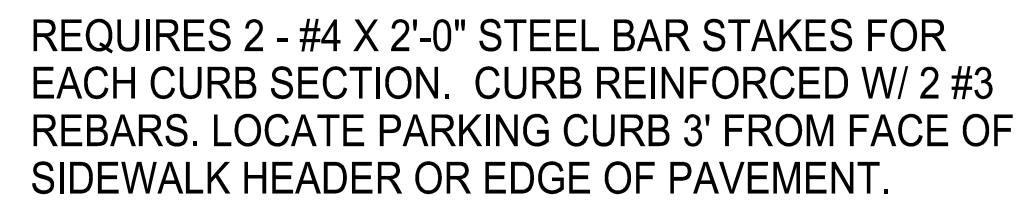
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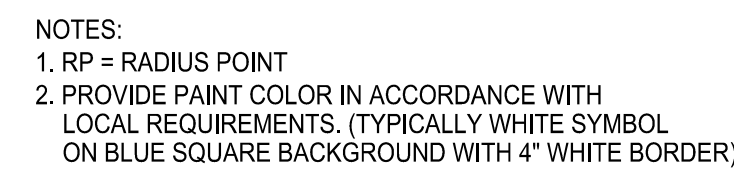
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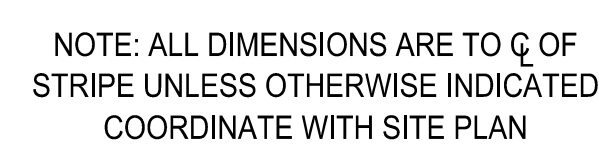
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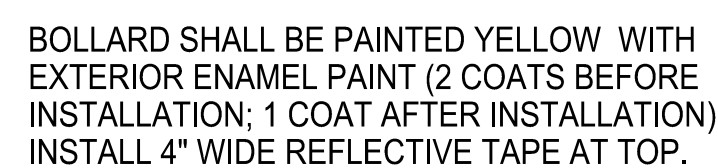
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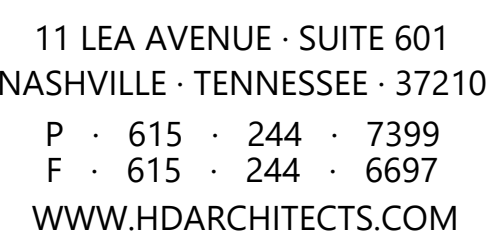
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17



14



CLIENT #2828000002

CONSTRUCTION
DOCUMENTS



William E. Hereford, III
AR # 96247

2/23/2026

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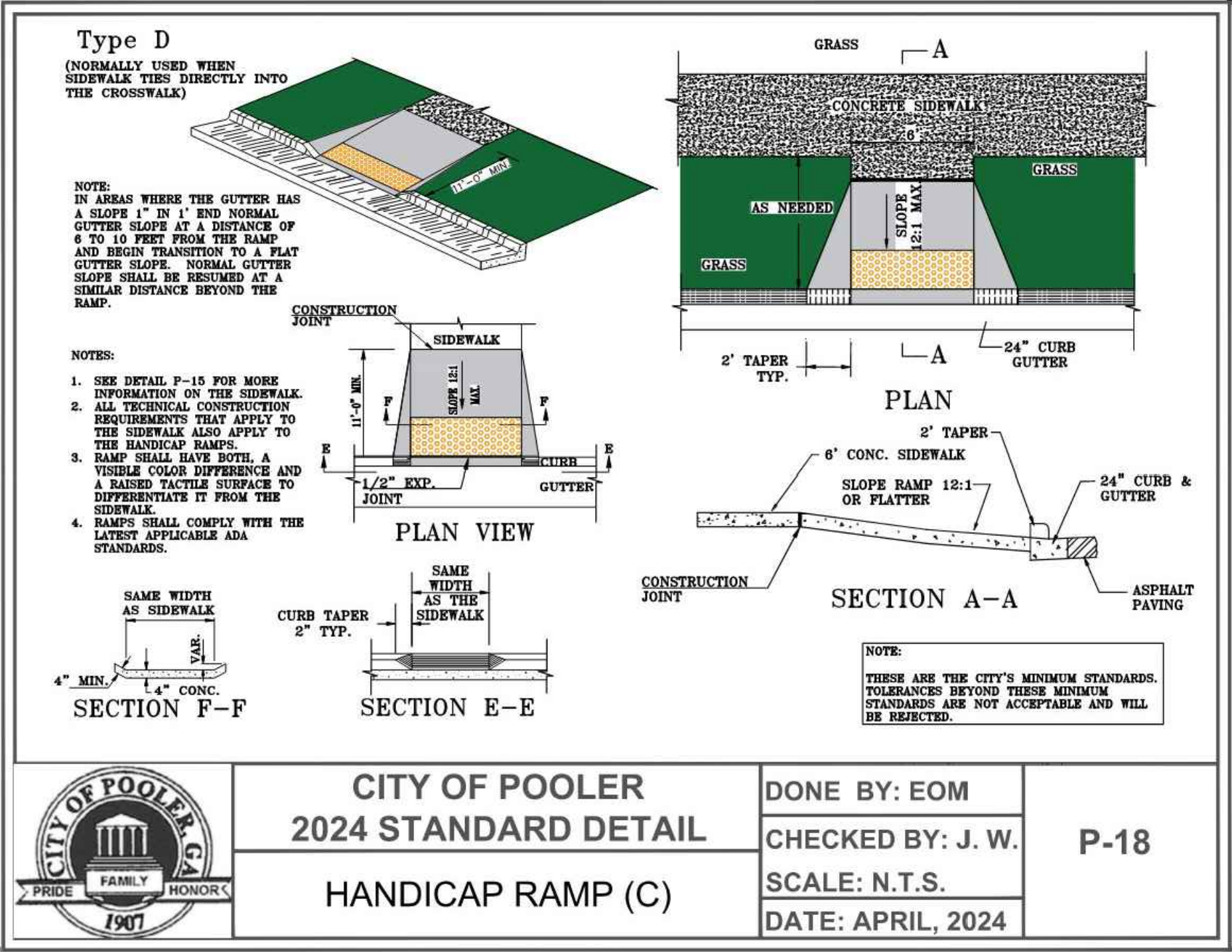
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C

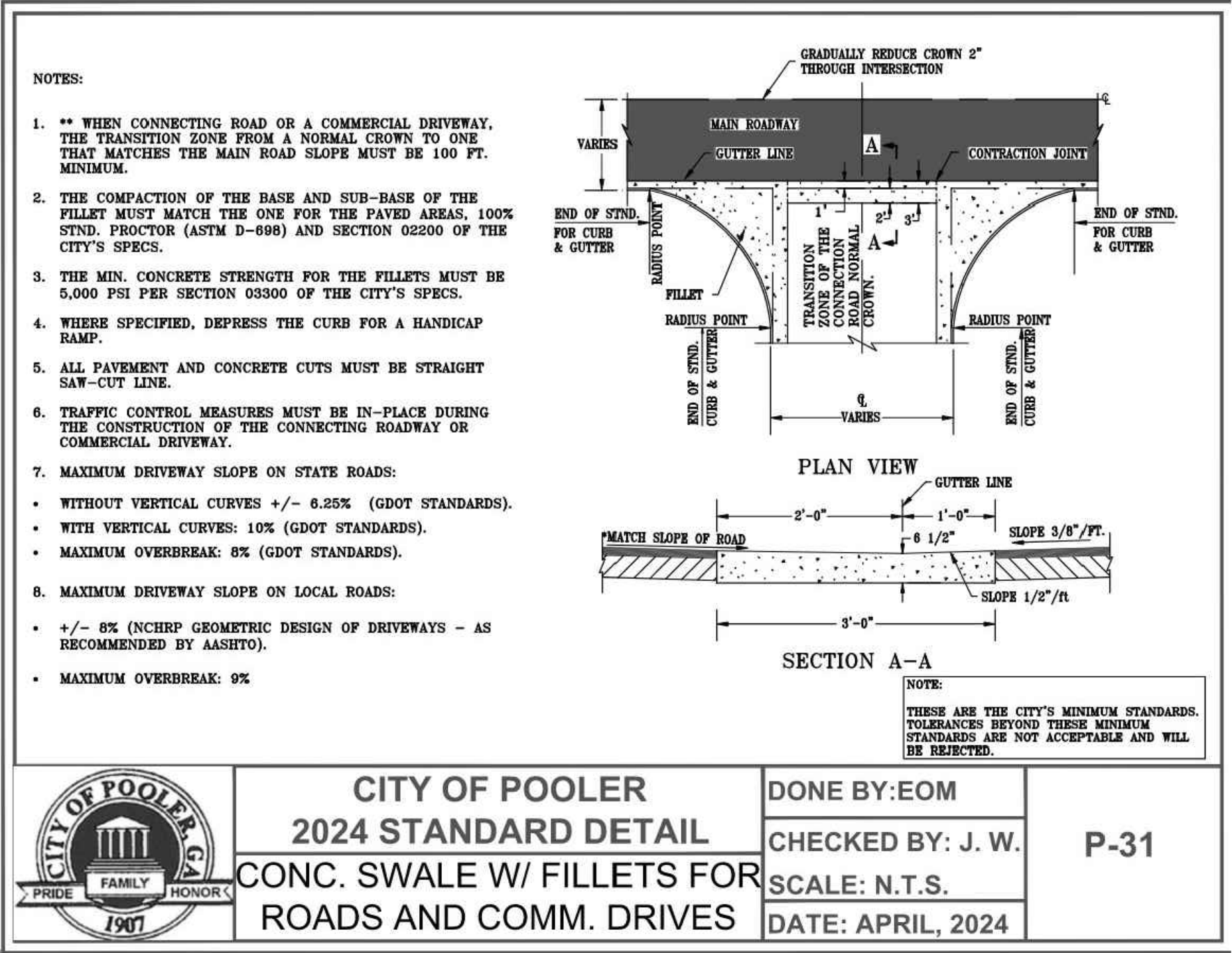
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C211

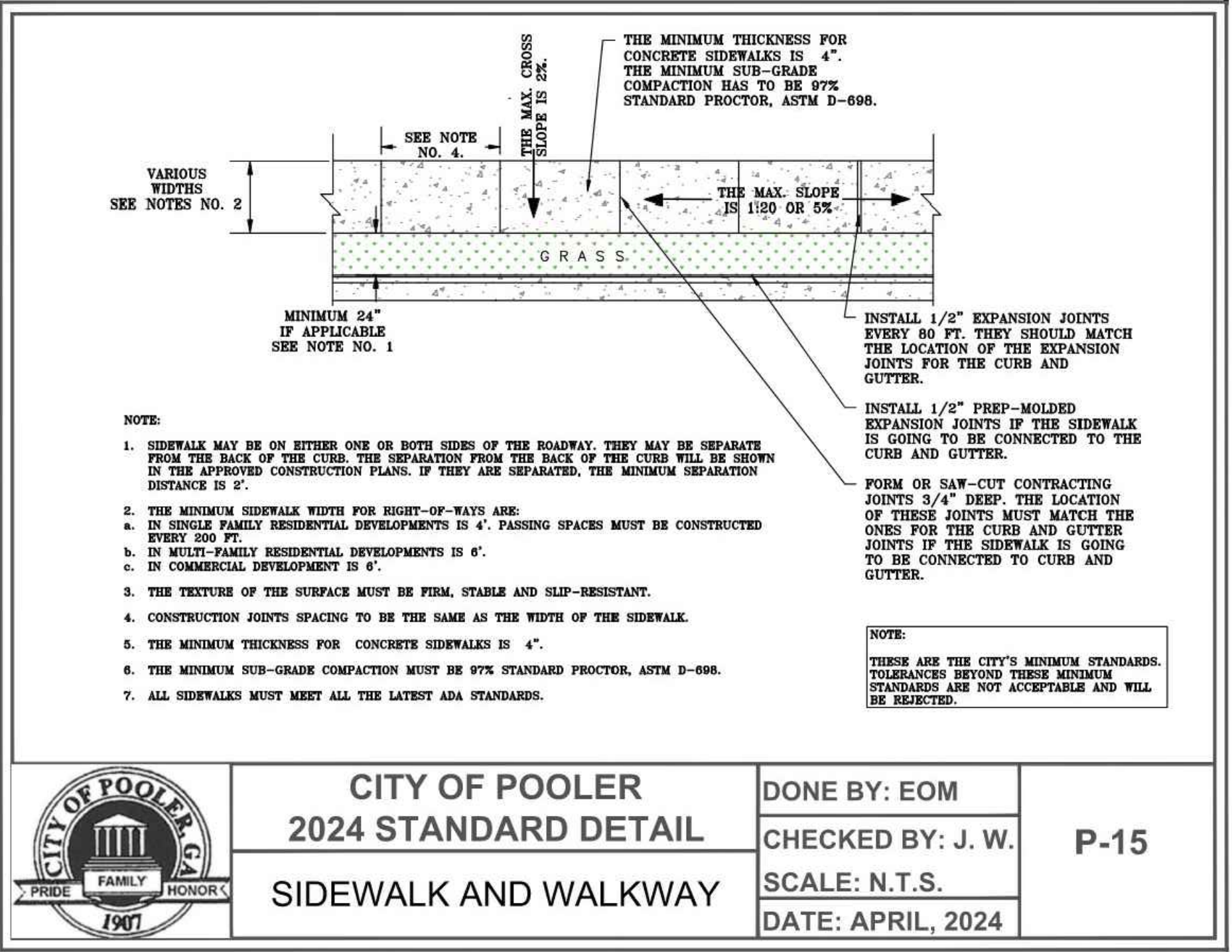
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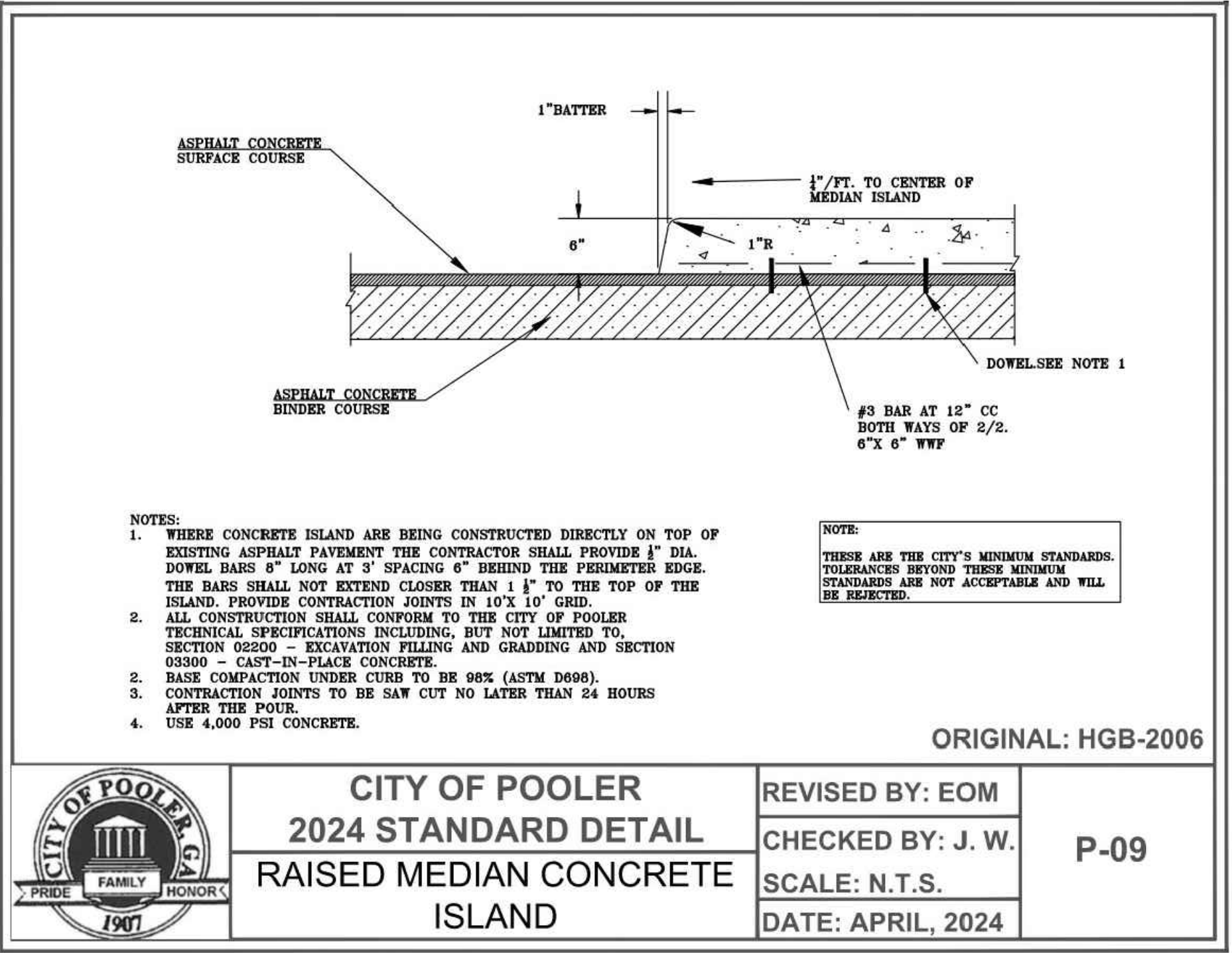
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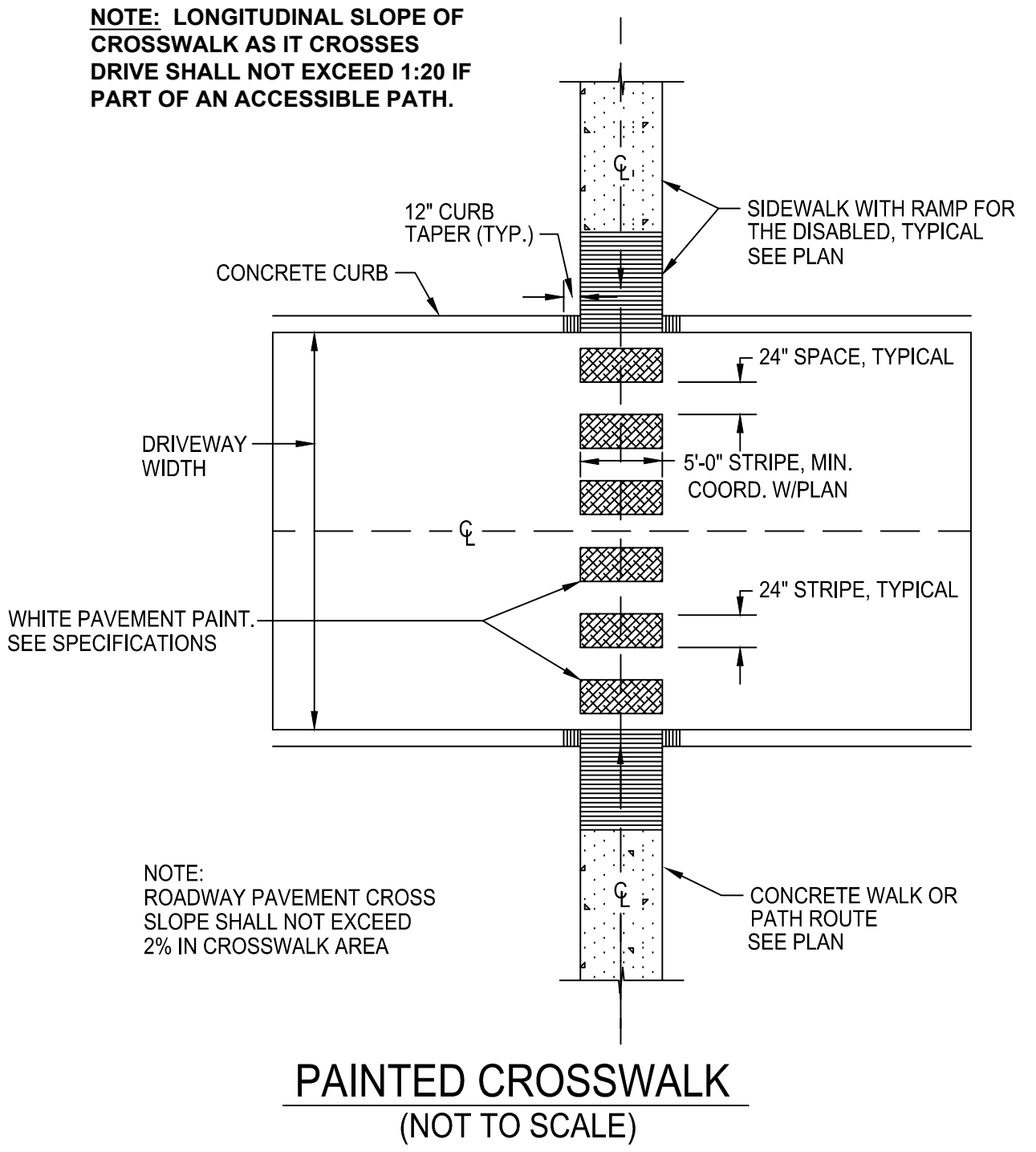
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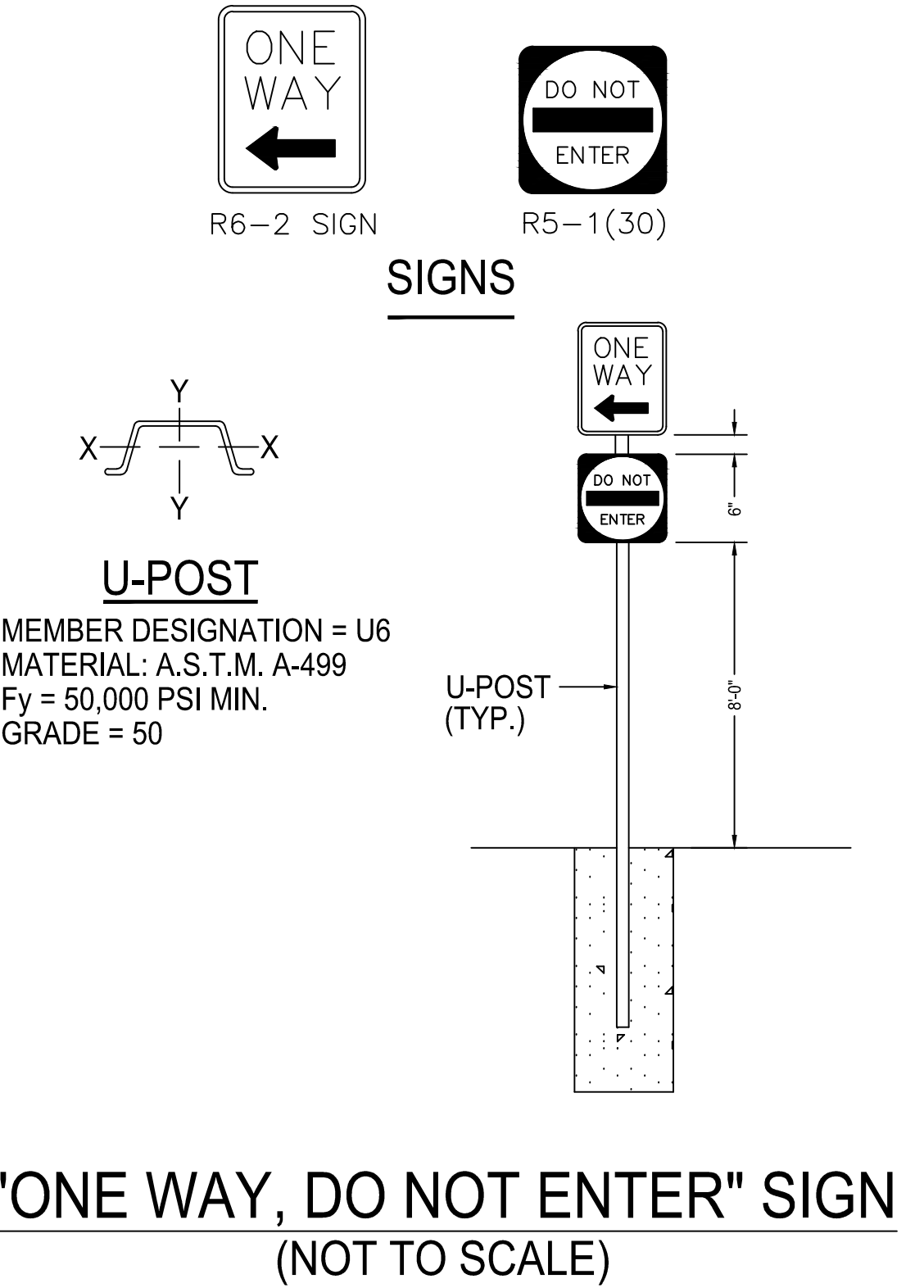
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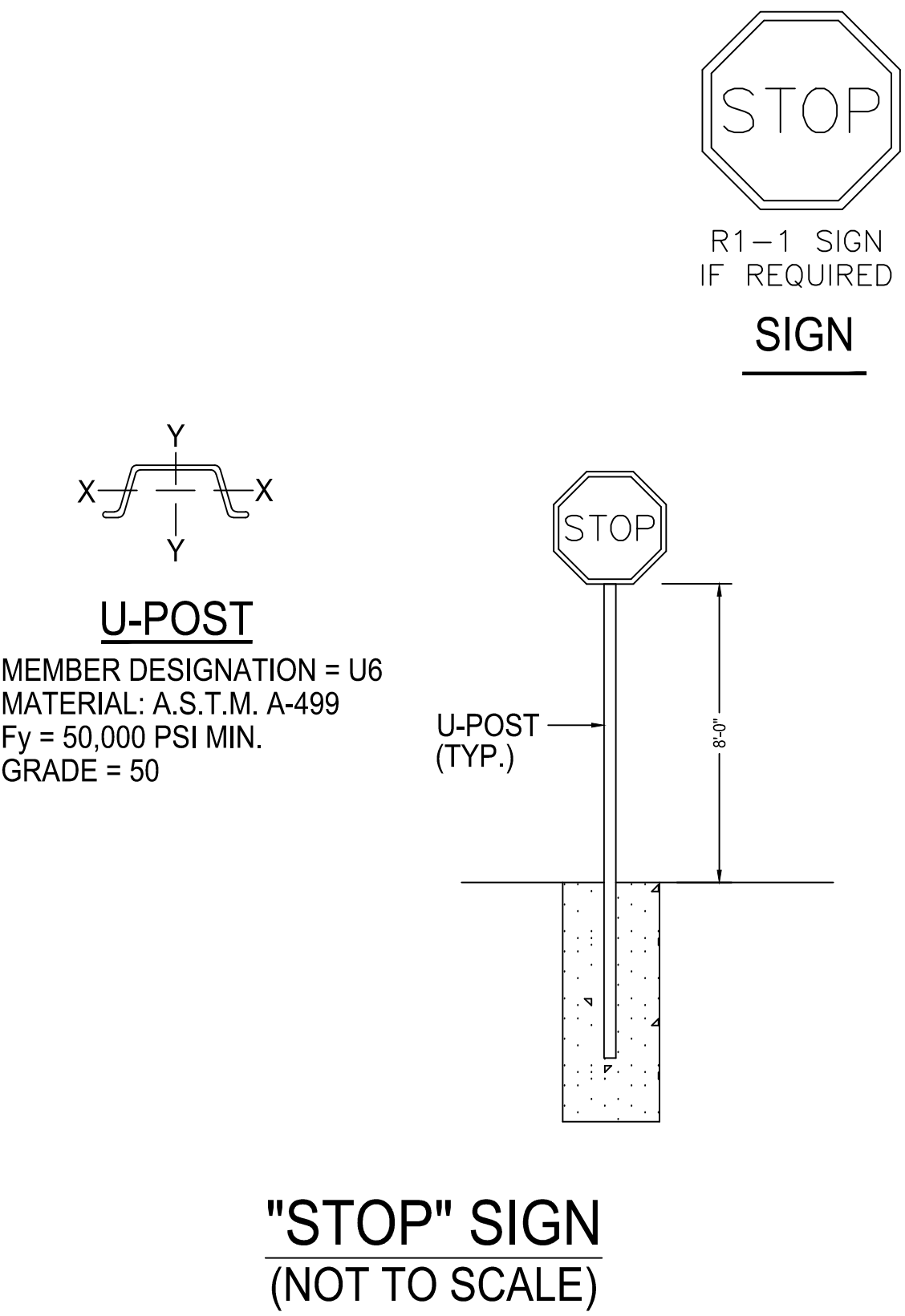
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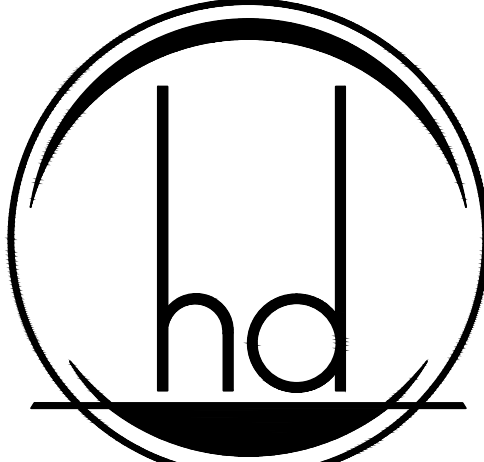
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25



30



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PROJECT # 225027.00
CLIENT #282800002

POOLER FSR

CONSTRUCTION DOCUMENTS

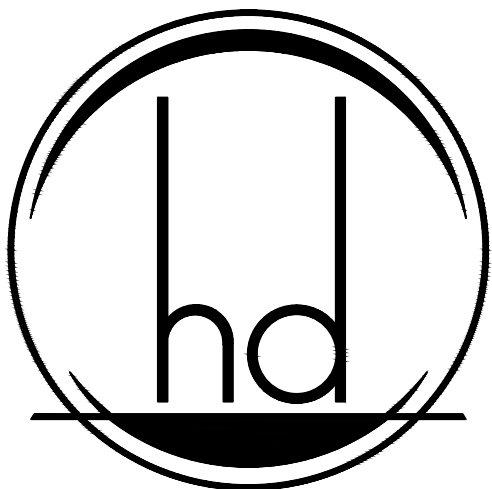


William E. Hereford, III
AR # 96247

02/23/2026

SITE DETAILS

C212



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CLIENT #282800002

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STATUS CONSTRUCTION DOCUMENTS



William E. Hereford, III
AR # 96247

02/23/2026

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DATES OF ISSUANCE

TITLE GRADING PLAN

SHEET C300

GENERAL GRADING NOTES

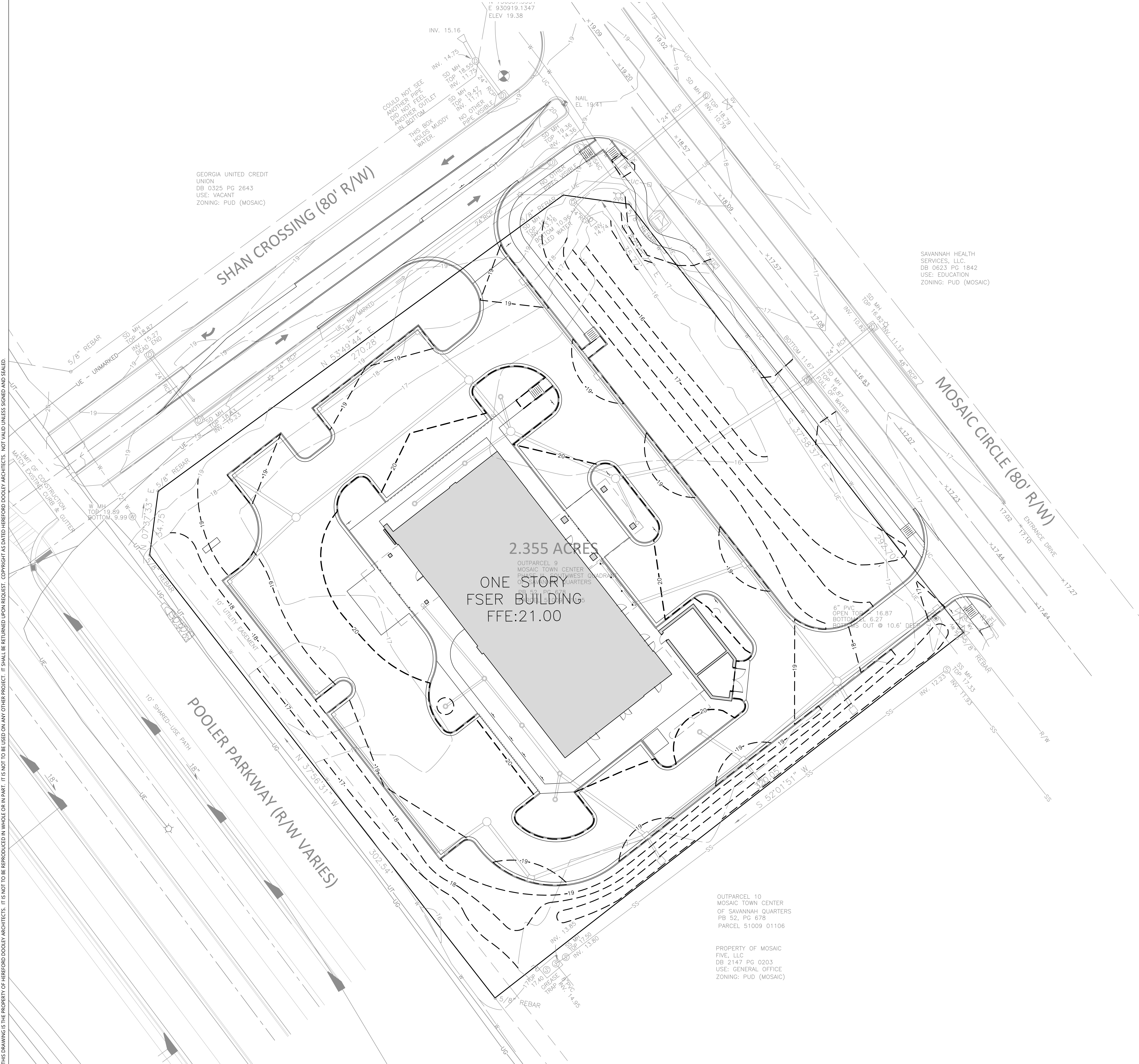
1. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
2. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND SIX INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS (SEE LANDSCAPE PLAN FOR SEED MIX AND PROPER APPLICATION RATE AND AREAS TO BE SODDED). ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS OF ANY UNDERGROUND UTILITIES. THE CONTRACTOR IS TO VERIFY LOCATION OF OVERHEAD UTILITIES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
4. THE CONTRACTOR IS TO CONTROL TRAFFIC FLOW DURING TIME OF CONSTRUCTION, ANY AND ALL TRAFFIC CONTROL IMPLEMENTED DURING THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH CITY OF POOLER AND THE GEORGIA D.O.T. REGULATIONS.
6. CONTRACTOR TO COORDINATE LOCATION OF TOP SOIL STOCKPILE AREA WITH OWNER. SILT FENCE SHALL BE PLACED AROUND PERIMETER OF THE STOCKPILE FOR EROSION AND SEDIMENT CONTROL.
7. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
8. ALL LANDSCAPED SLOPES SHALL BE THREE FEET (3') HORIZONTAL TO ONE FOOT (1') VERTICAL OR FLATTER.
9. CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO EARTHWORK AND DRAINAGE. SHOULD CONTRACTOR HAVE QUESTIONS WITH THIS INTENT, HE SHALL CONTACT THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
10. SLOPE GROUND AWAY FROM BUILDING AT TWO PERCENT (2%) MINIMUM.
11. WRITTEN DIMENSIONS PREVAIL. DO NOT SCALE THESE DRAWINGS. PRINTED DIMENSIONS WHICH ARE OMITTED OR IN CONFLICT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR REVIEW AND RESPONSE. DIMENSIONS ARE FROM FACE OF CURB / EDGE OF PAVEMENT AND FACE OF BUILDING, UNLESS NOTED OTHERWISE.
12. SEGMENTAL WALL DESIGNER TO PROVIDE SITE SPECIFIC SHOP DRAWINGS FOR ALL RETAINING WALLS FOR CIVIL ENGINEER REVIEW PRIOR TO ORDERING WALL SYSTEM.

GRADING NOTES

○

A

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GEORGIA UNITED CREDIT
UNION
DB 0325 PG 2643
USE: VACANT
ZONING: PUD (MOSAIC)

SAVANNAH HEALTH
SERVICES, LLC.
DB 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOSAIC)

2.355 ACRES
ONE STORY
FSR BUILDING
FFE:21.00

OUTPARCEL 10
MOSAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 578
PARCEL 51009 01106

PROPERTY OF MOSAIC
FIVE, LLC
DB 2147 PG 0203
USE: GENERAL OFFICE
ZONING: PUD (MOSAIC)

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POOLER FSER

CONSTRUCTION
DOCUMENTS

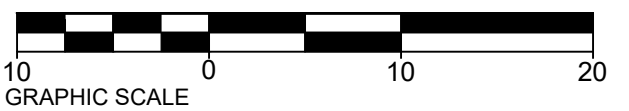


William E. Hereford, III
AR # 96247

2/23/2026

SPOT SHOT
ENLARGEMENT
PLAN

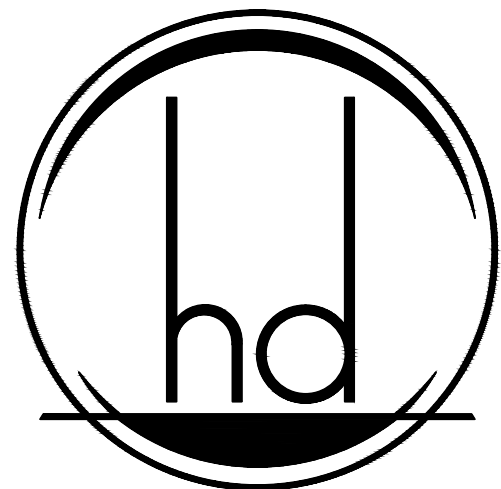
C302



GRADING NOTES



ONE STORY
FSER BUILDING
FFE:21.00



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PROJECT # 225027.00
CLIENT #282800002

POOLER FSER

CONSTRUCTION
DOCUMENTS

STATUS

DATES OF ISSUANCE

TITLE

SHEET

SPOT SHOT
ENLARGEMENT
PLAN

C303



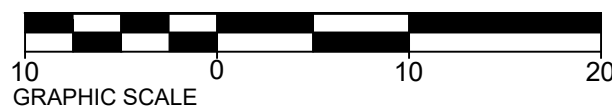
William E. Hereford, III
AR # 96247

02/23/2026

GENERAL GRADING NOTES

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12. SEGMENTAL WALL DESIGNER TO PROVIDE SITE SPECIFIC SHOP DRAWINGS FOR ALL RETAINING WALLS FOR CIVIL ENGINEER REVIEW PRIOR TO ORDERING WALL SYSTEM.

GRADING NOTES



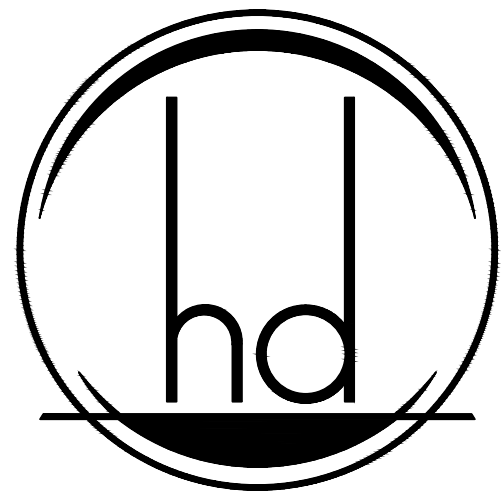
2.355 ACRES

ONE STORY
FSER BUILDING
FFE:21.00

OUTPARCEL 9
MOSAIC TOWN CENTER
PHASE III, SOUTHWEST QUADRANT
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01106

OUTPARCEL 10
MOSAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01106

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PROJECT # 225027.00
CLIENT #282800002

POOLER FSER

STATUS CONSTRUCTION
DOCUMENTS



William E. Hereford, III
AR # 96247

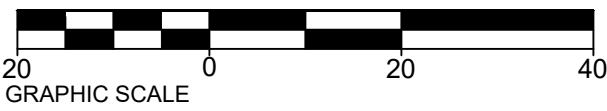
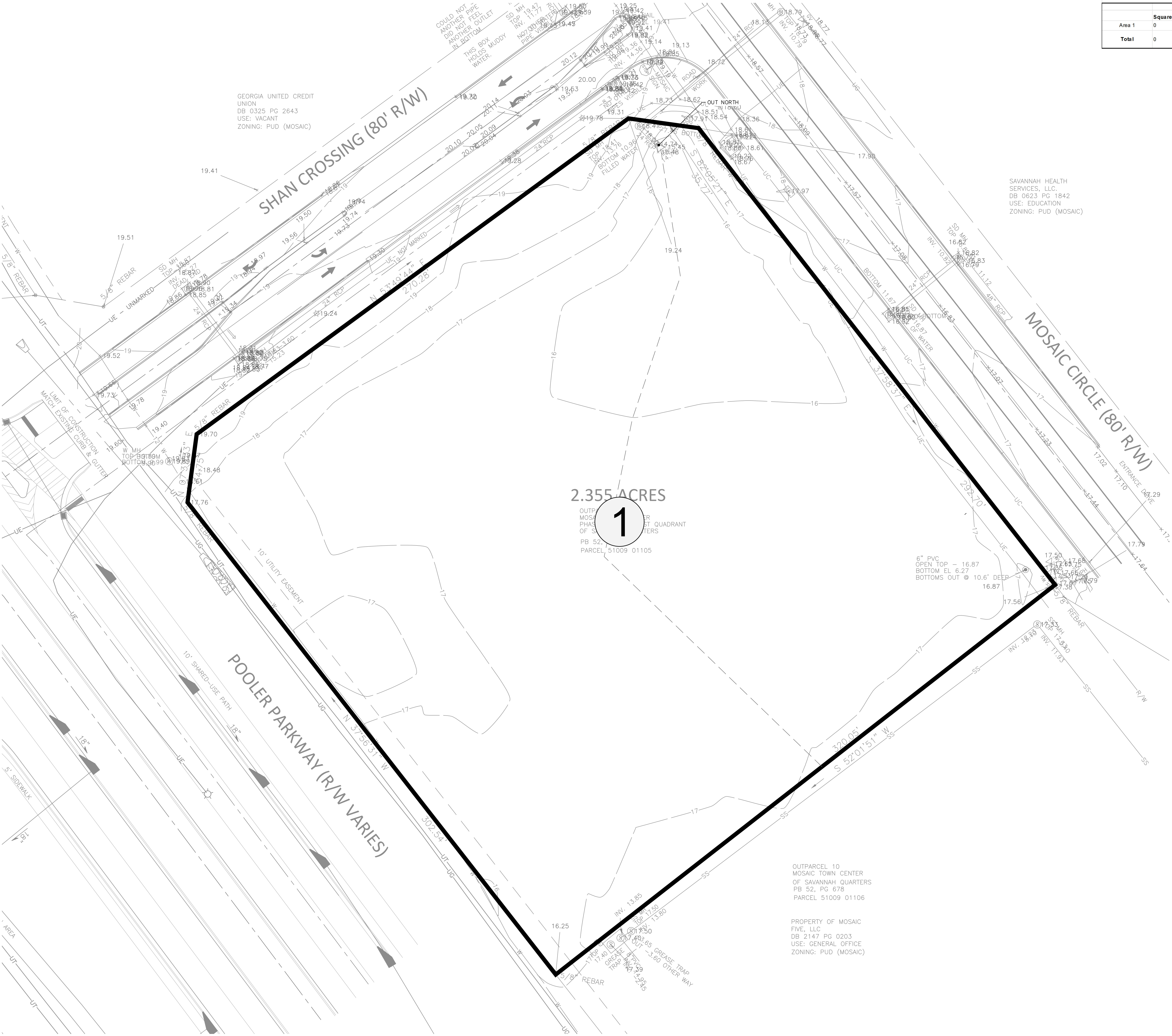
02/23/2026

DATES OF ISSUANCE

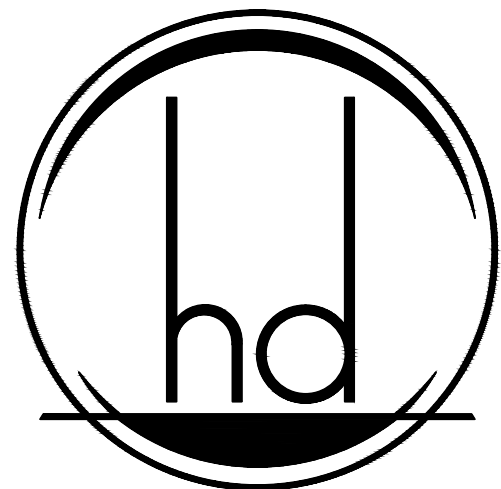
TITLE PRE-DEVELOPMENT
DRAINAGE MAP

SHEET C400

PRE-DEVELOPED DRAINAGE AREAS					
Area 1	Impervious		Pervious		Total
	Square Feet	Acres	Square Feet	Acres	Square Feet Acres
Total	0	0.00	102,600	2.36	102,600 2.36



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PROJECT # 225027.00
CLIENT #282800002

POOLER FSER

STATUS CONSTRUCTION
DOCUMENTS



William E. Hereford, III
AR # 96247

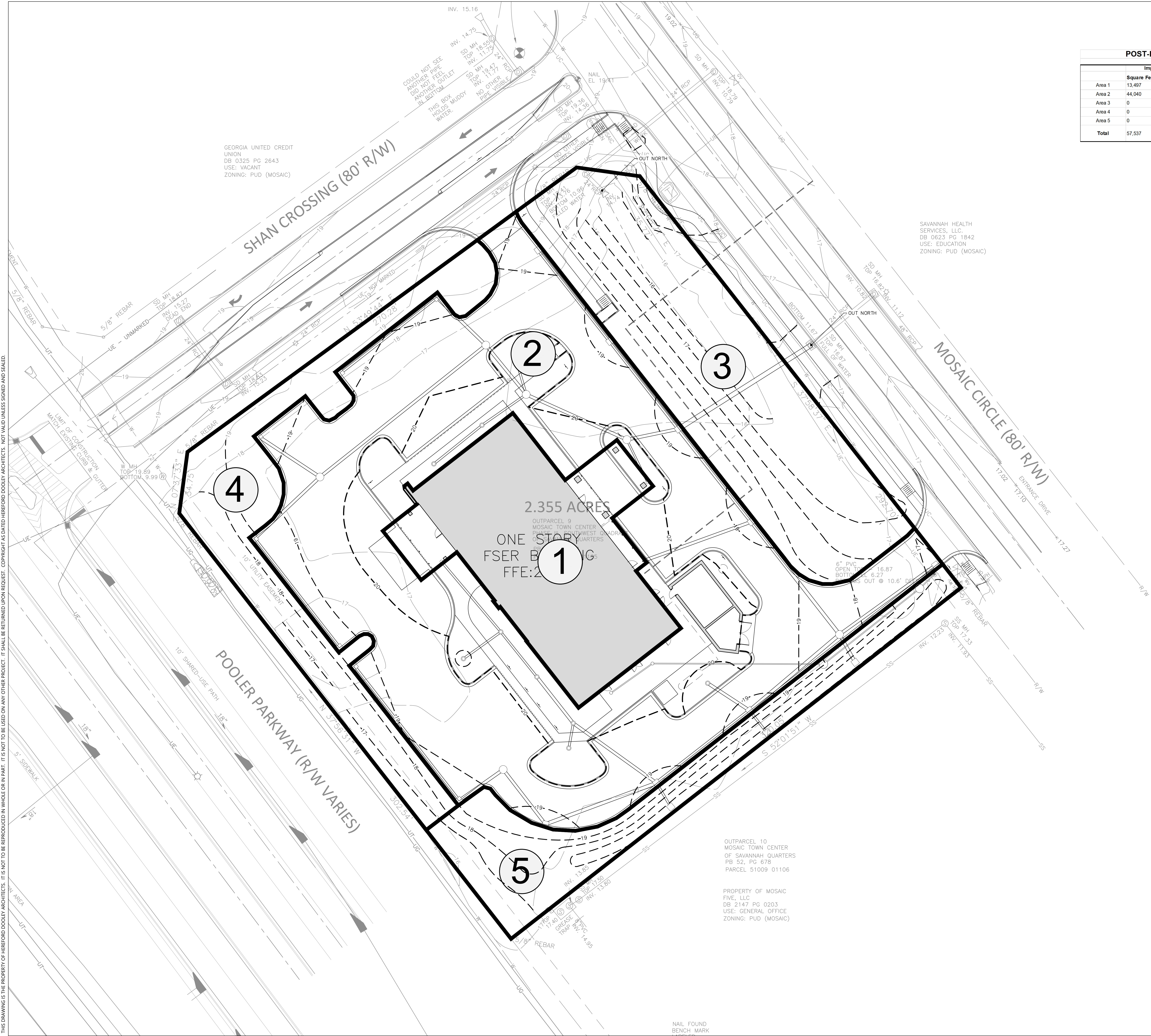
02/23/2026

DATES OF ISSUANCE

TITLE POST-DEVELOPMENT
DRAINAGE MAP

SHEET C401

POST-DEVELOPED DRAINAGE AREAS						
	Impervious		Pervious		Total	
	Square Feet	Acres	Square Feet	Acres	Square Feet	Acres
Area 1	13,497	0.31	0	0.00	13,497	0.31
Area 2	44,040	1.01	7,576	0.17	51,616	1.18
Area 3	0	0.00	18,376	0.42	18,376	0.42
Area 4	0	0.00	10,590	0.24	10,590	0.24
Area 5	0	0.00	8,521	0.20	8,521	0.20
Total	57,537	1.32	45,063	1.03	102,600	2.36



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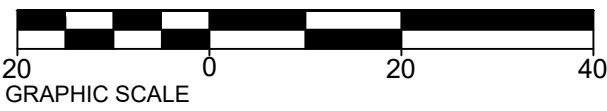
GEORGIA UNITED CREDIT
UNION
DB 0325 PG 2643
USE: VACANT
ZONING: PUD (MOAIC)

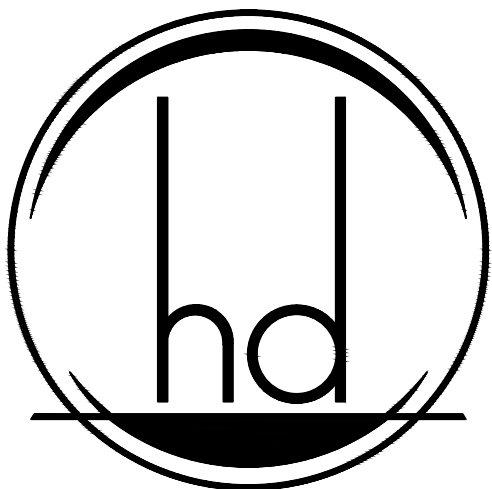
SAVANNAH HEALTH
SERVICES, LLC.
DB 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOAIC)

OUTPARCEL 10
MOSAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01106

PROPERTY OF MOSAIC
FIVE, LLC
DB 2147 PG 0203
USE: GENERAL OFFICE
ZONING: PUD (MOAIC)

NAIL FOUND
BENCH MARK





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PROJECT # 225027.00

CLIENT #282800002

POOLER FSER

CONSTRUCTION
DOCUMENTS

STATUS

DATES OF ISSUANCE

TITLE

SHEET

DRAINAGE
PLAN

C402

GENERAL DRAINAGE NOTES

1. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
2. CONTRACTOR HAS THE OPTION TO BID THE FOLLOWING MATERIAL FOR THE STORM SEWER SYSTEM, EXCEPT WHERE OTHERWISE NOTED: RCP OR SIPP, AS INDICATED ON THIS PLAN, WHERE THE WORD PIPE IS USED. ALL PIPES SHALL HAVE A MAXIMUM ROUGHNESS COEFFICIENT ("N") OF .013 AND SHALL MEET OR EXCEED THE PIPE MANUFACTURERS REQUIREMENTS FOR MINIMUM AND MAXIMUM COVER. CONTRACTOR SHALL REFER TO THE SITE WORK SPECIFICATIONS SECTION FOR STORM SEWER SYSTEMS FOR ACCEPTABLE TYPE AND MATERIAL.
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS OF ANY UNDERGROUND UTILITIES. THE CONTRACTOR IS TO VERIFY LOCATION OF OVERHEAD UTILITIES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
4. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND ENDS OF FLARED END SECTIONS.
5. THE CONTRACTOR IS TO CONTROL TRAFFIC FLOW DURING TIME OF CONSTRUCTION. ANY AND ALL TRAFFIC CONTROL IMPLEMENTED DURING THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
6. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH CITY OF XXXXXX COUNTY AND THE XXX D.O.T. REGULATIONS.
7. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
8. ALL NEW STRUCTURES SHALL HAVE ANY SEDIMENT REMOVED PRIOR TO ACCEPTANCE.
9. CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO EARTHWORK AND DRAINAGE. SHOULD CONTRACTOR HAVE QUESTIONS WITH THIS INTENT, HE SHALL CONTACT THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
10. ADJUST ALL CASTINGS TO MATCH FINISH GRADES.
11. WRITTEN DIMENSIONS PREVAIL. DO NOT SCALE THESE DRAWINGS. PRINTED DIMENSIONS WHICH ARE OMITTED OR IN CONFLICT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR REVIEW AND RESPONSE. DIMENSIONS ARE FROM FACE OF CURB / EDGE OF PAVEMENT AND FACE OF BUILDING, UNLESS NOTED OTHERWISE.
12. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF ALL STORM WATER ELEMENTS AT PROJECT COMPLETION IN ELECTRONIC AND HARD COPY FORMATS.

DRAINAGE NOTES

- A SEE PLUMBING PLANS FOR CONTINUATION OF LINES INTO BUILDING.
- B CONNECT TO EXISTING STORM STRUCTURE.
- C CONNECT TO MH2, P1 AT IE:15.45, P18 AT IE:16.05.
- D CONNECT 10" STORM FORM ROOF DRAIN TO STRUCTURE AT IE:17.95
- E CONTRACTOR TO COORDINATE FINAL GRADING IN THIS AREA AND ENSURE POSSIBLE POSITIVE DRAINAGE, COORDINATE WITH CITY OF POOLER.

DRAINAGE DETAILS

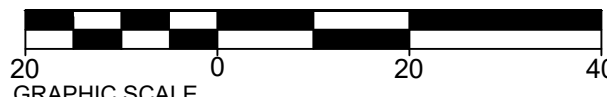
- 1 TRENCH AND BEDDING
- 2 SINGLE CURB INLET
- 3 NYLOPLAST DRAIN
- 4 STORM MANHOLE
- 5 EXTERIOR CLEANOUT
- 6 AREA DRAIN

LEGEND: DRAINAGE

- PROPOSED CATCH BASIN
- PROPOSED DOUBLE CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED STORM LINE
- NYLOPLAST DRAIN BASIN
- WINGED ENDWALL/HEADWALL

PIPE SCHEDULE					
PIPE	LENGTH (FT.)	SIZE (IN.)	TYPE	SLOPE (%)	NOTE
P1	19	12	HDPE	8.16%	HDPE Pipe
P2	29	15	RCP	0.97%	Concrete Pipe
P3	62	15	RCP	0.95%	Concrete Pipe
P4	39	15	RCP	1.13%	Concrete Pipe
P5	119	15	RCP	0.96%	Concrete Pipe
P6	36	15	RCP	0.94%	Concrete Pipe
P7	18	15	RCP	6.44%	Concrete Pipe
P8	64	15	RCP	7.95%	Concrete Pipe
P9	16	12	HDPE	5.19%	HDPE Pipe
P10	16	12	HDPE	3.12%	HDPE Pipe
P11	14	12	HDPE	3.86%	HDPE Pipe
P12	26	12	HDPE	2.00%	HDPE Pipe
P13	28	15	RCP	9.25%	Concrete Pipe
P15	57	15	RCP	2.94%	Concrete Pipe
P16	33	15	RCP	2.00%	Concrete Pipe
P17	32	12	HDPE	2.03%	HDPE Pipe
P18	30	12	HDPE	2.00%	HDPE Pipe
P19	35	12	HDPE	1.00%	HDPE Pipe
P20	52	12	HDPE	2.73%	HDPE Pipe
P21	27	10	HDPE	0.96%	HDPE Pipe
P22	66	15	RCP	1.00%	Concrete Pipe
P23	66	18	RCP	0.50%	Concrete Pipe
P24	80	18	RCP	0.50%	Concrete Pipe
P25	66	18	RCP	0.50%	Concrete Pipe
P26	66	18	RCP	0.50%	Concrete Pipe
P27	66	18	RCP	0.50%	Concrete Pipe
P28	30	15	RCP	1.13%	Concrete Pipe
P29	96	15	RCP	1.12%	Concrete Pipe
P30	88	24	RCP	0.50%	Concrete Pipe
P31	62	15	RCP	0.50%	Concrete Pipe
P32	65	15	RCP	0.51%	Concrete Pipe
P33	38	15	RCP	1.00%	Concrete Pipe
P34	68	15	RCP	1.00%	Concrete Pipe
P35	41	15	RCP	1.00%	Concrete Pipe
P36	50	15	RCP	0.96%	Concrete Pipe
P37	77	15	RCP	0.96%	Concrete Pipe
P38	29	15	RCP	1.97%	Concrete Pipe

STRUCTURE TABLE				
STRUCTURE	RIM ELEV.	INVERT ELEV.	TYPE	NOTE
AD2	16.50	14.00		
AD3	16.50	14.00		
AD4	16.50	14.00		
CI1	18.55	14.62		
CI2	18.70	15.70		
CI3	18.75	15.70		
CI4	18.70	14.88		
CI5	18.45	14.96		
CI6	18.75	13.71		
CI7	18.75	14.39		
CI8	18.50	12.75		
CI9	18.80	12.42		
CI10	18.75	12.44		
CI11	18.75	12.11		
CI12	18.85	13.50		
CI13	18.75	13.17		
CI14	18.75	13.50		
CI15	18.75	13.84		
CO1	20.50	18.50		
CO2	20.72	17.39		
CO3	20.72	18.10		
CO4	20.91	17.53		
MH1	19.65	13.33		
MH2	20.60	12.99		
MH3	20.55	12.39		
MH4	18.40	12.84		
MH5	19.35	14.28		
MH6	19.50	14.47		
ND1	20.00	17.00		
ND2	20.00	16.65		
ND3	20.00	17.00		
ND4	19.75	15.20		
ND5	19.75	16.49		
ND6	20.00	14.66		
ND7	20.00	15.32		
ND8	20.00	15.97		
ND10	19.75	15.76		



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UNION
DB 0325 PG 2643
USE: VACANT
ZONING: PUD (MOAIC)

SAVANNAH HEALTH
SERVICES, LLC.
DB 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOAIC)

OUTPARCEL 10
MOAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01106

PROPERTY OF MOAIC
FIVE, LLC
DB 2147 PG 0203
USE: GENERAL OFFICE
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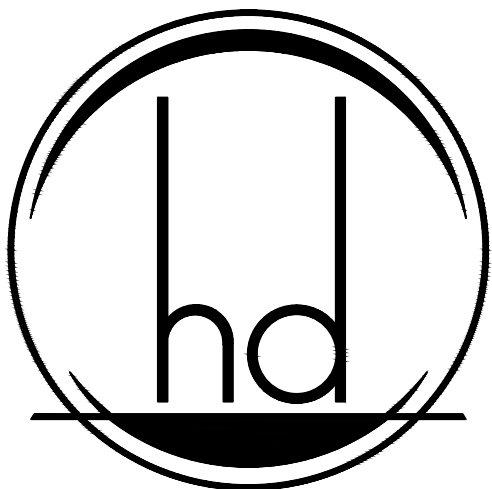
2.355 ACRES
ONE STORY
FSER BUILDING
FFE:21.00

SHAN CROSSING (80' R/W)

MOSAIC CIRCLE (80' R/W)

POOLER PARKWAY (R/W VARIES)

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POOLER FSR

CONSTRUCTION
DOCUMENTS

STATUS

DATES OF ISSUANCE

TITLE

SHEET

DRAINAGE
DETAILS

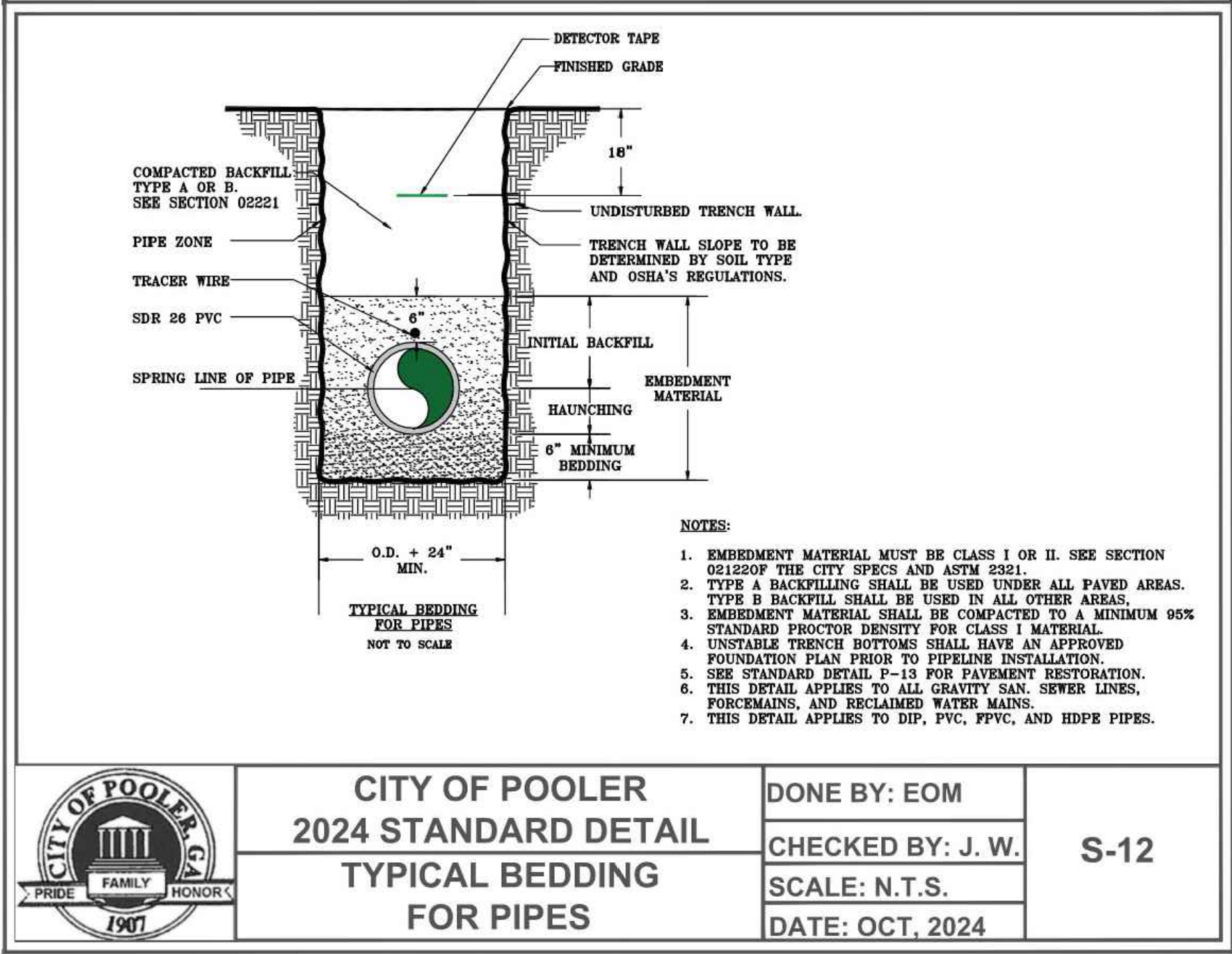
C410



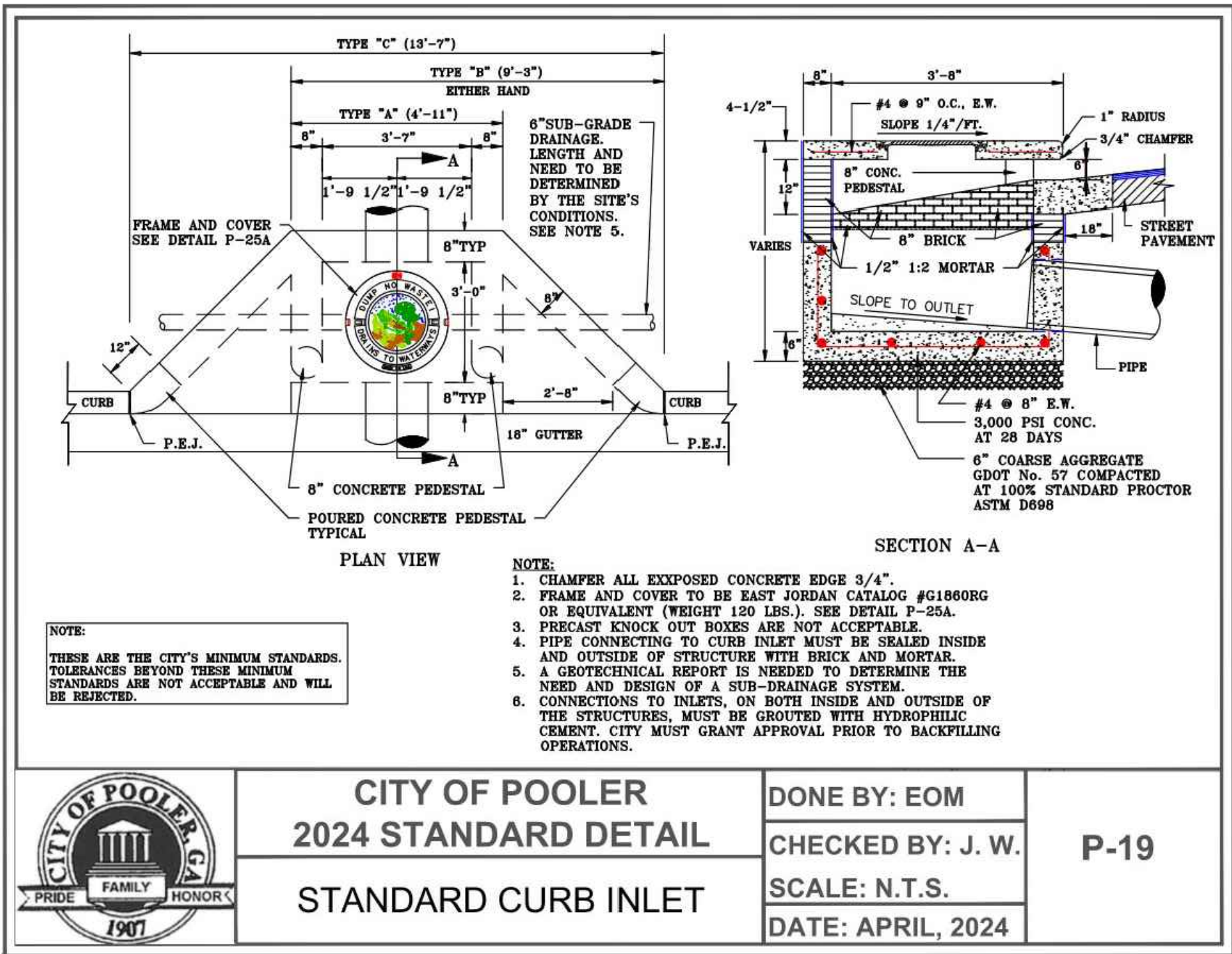
INGRAM CIVIL
ENGINEERING
GROUP, LLC
212 Overlook Circle, Suite 105
Brentwood, Tennessee 37027
615.370.7964 OFFICE
615.301.5275 FAX
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # 0044266
SAMUEL H. BONHAM, P.E.

William E. Hereford, III
AR # 96247

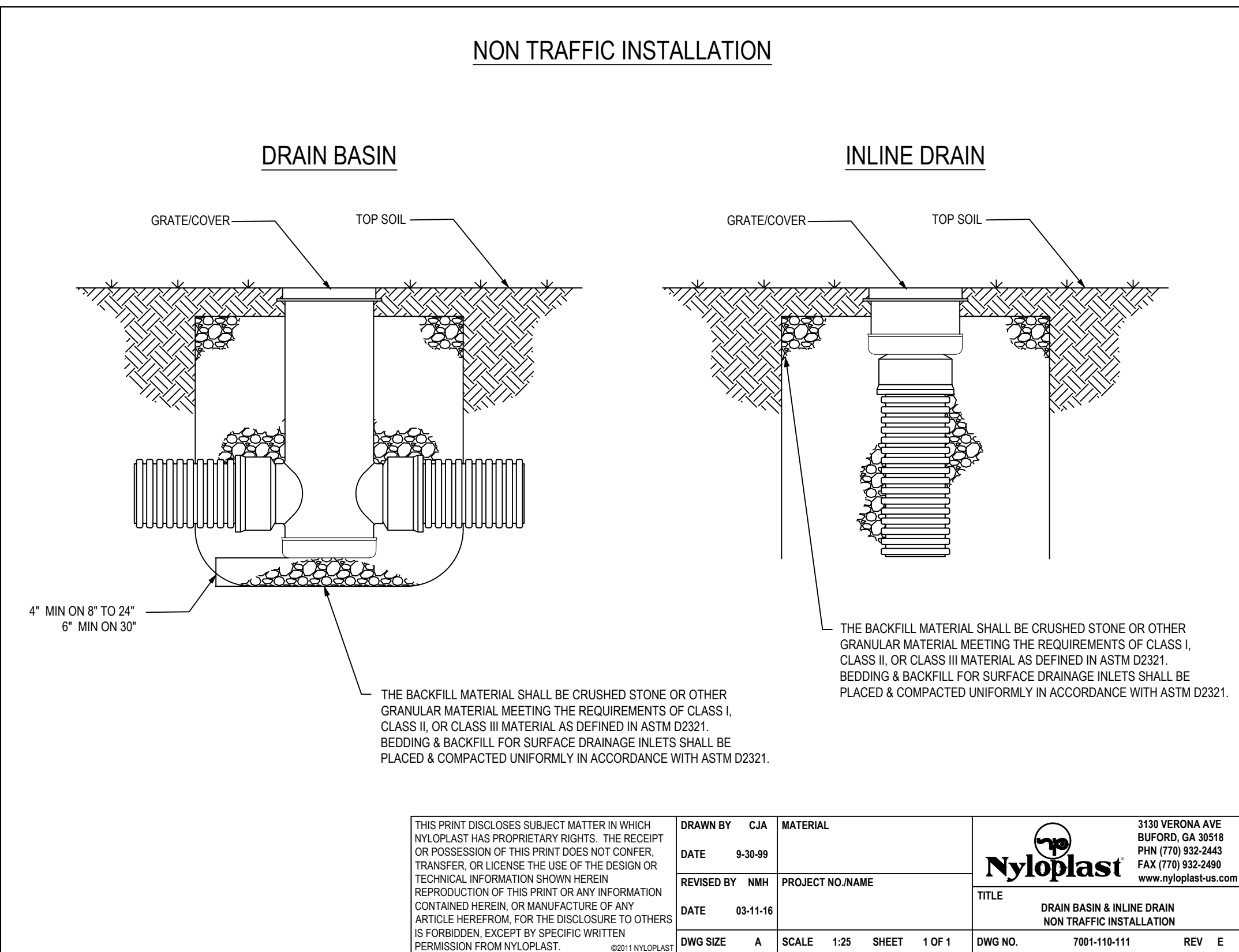
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TB
1

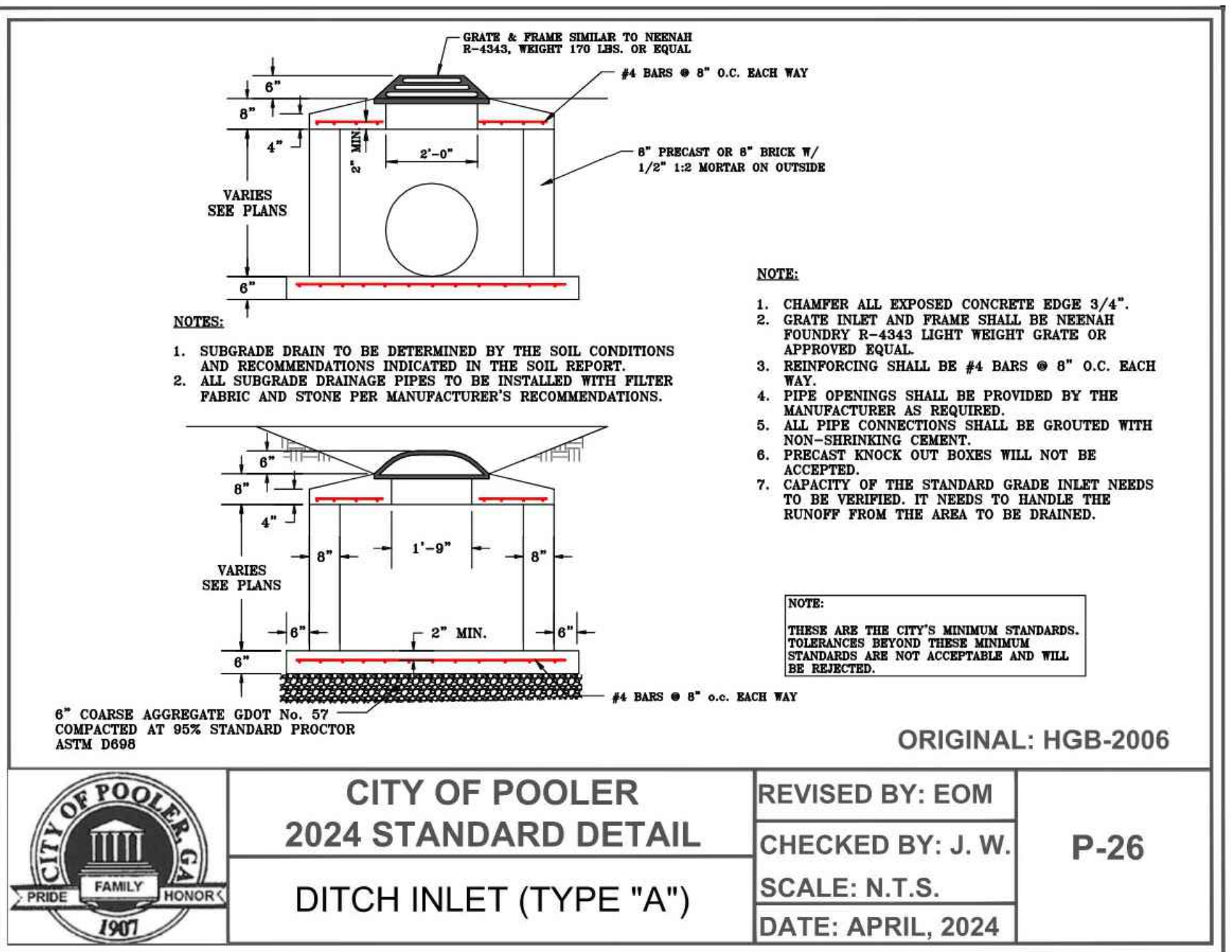


CI
2

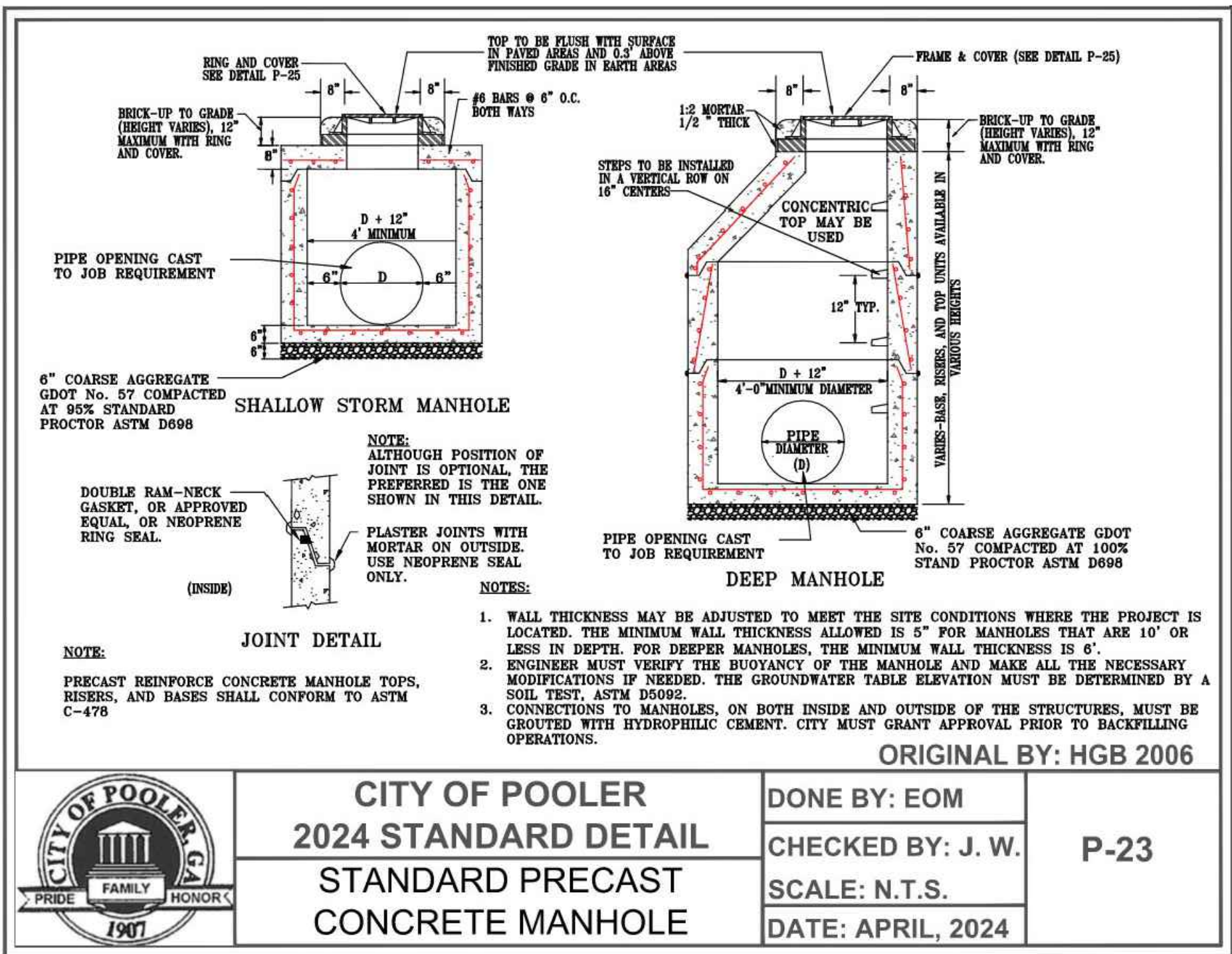


CO
5

ND
3

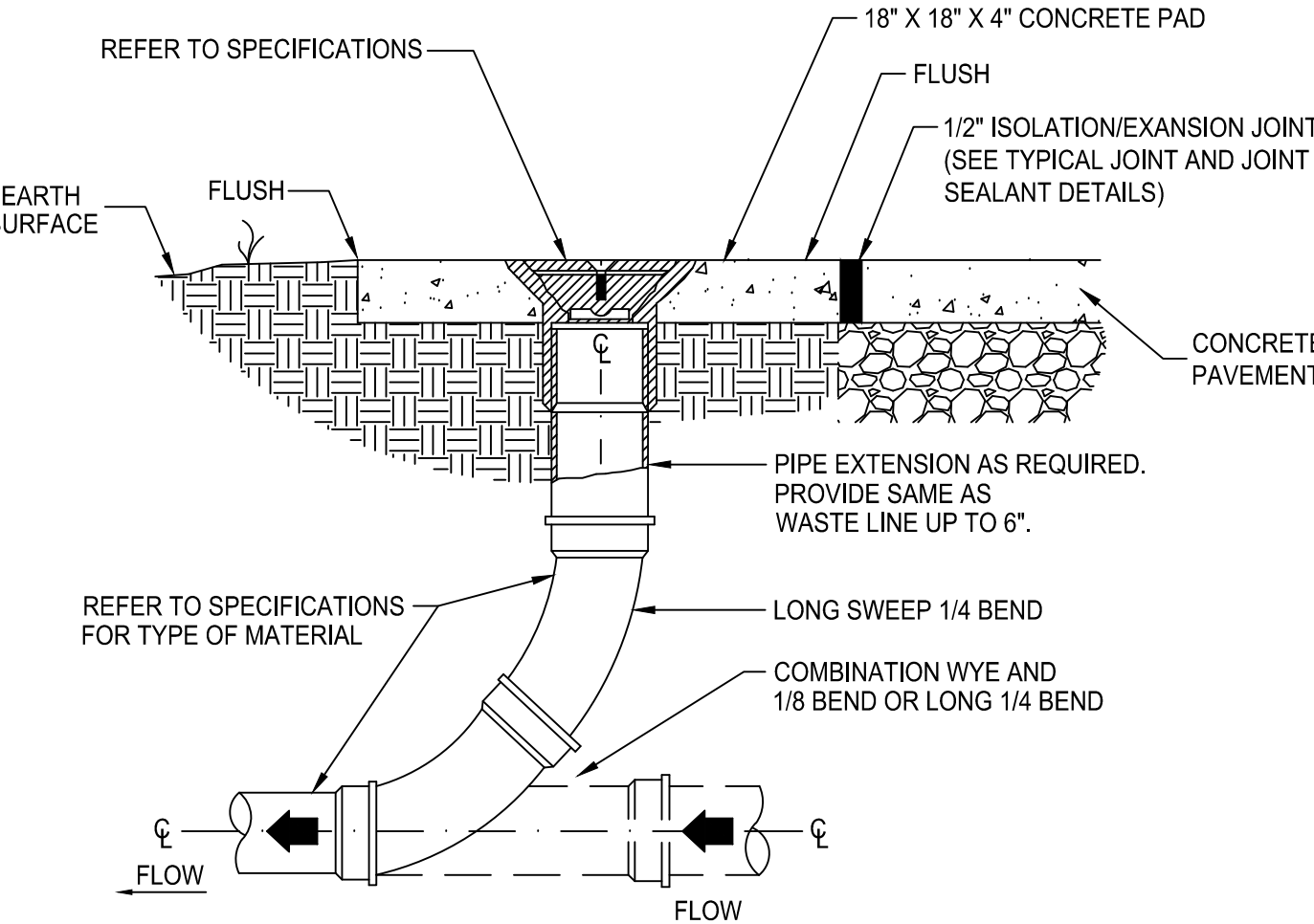


AD
6



MH
4

NOTE:
ENSURE ALL SANITARY SEWER CLEANOUTS ARE
FLOOD PROOF AND DESIGNED TO PREVENT
INFILTRATION OF FLOOD WATERS INTO THE SYSTEM.



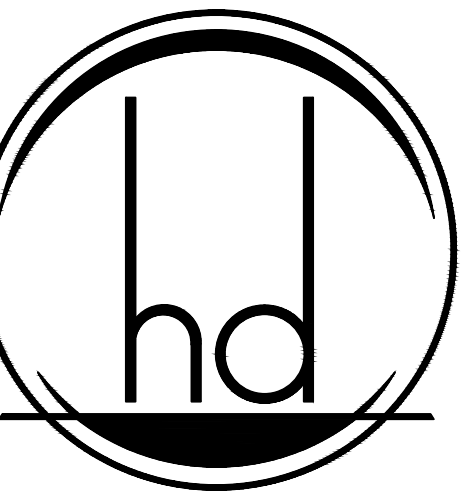
EXTERIOR CLEANOUT
(NOT TO SCALE)

CO
5

ND
3

AD
6

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AR # 96247

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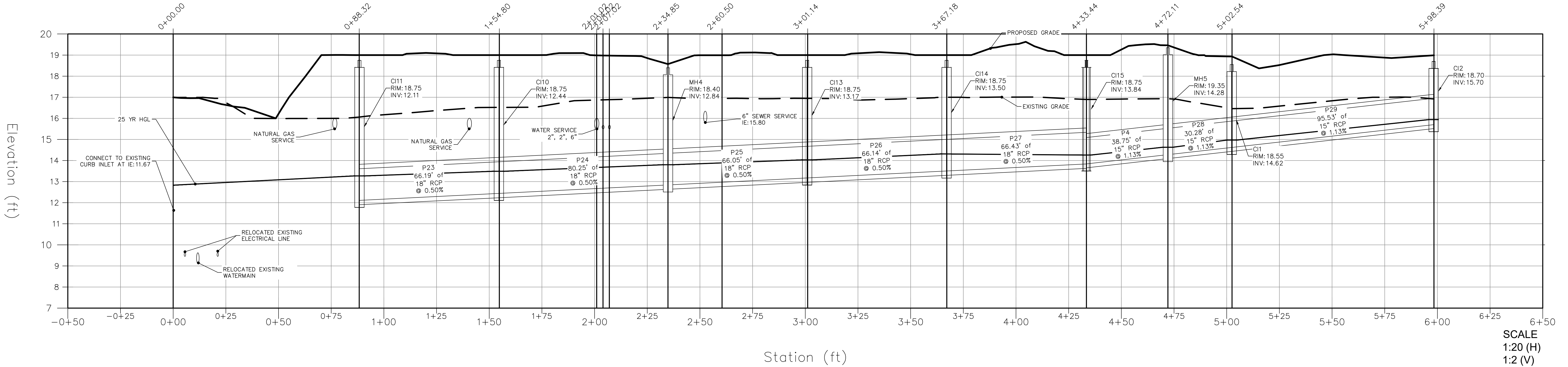
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STORM PROFILES

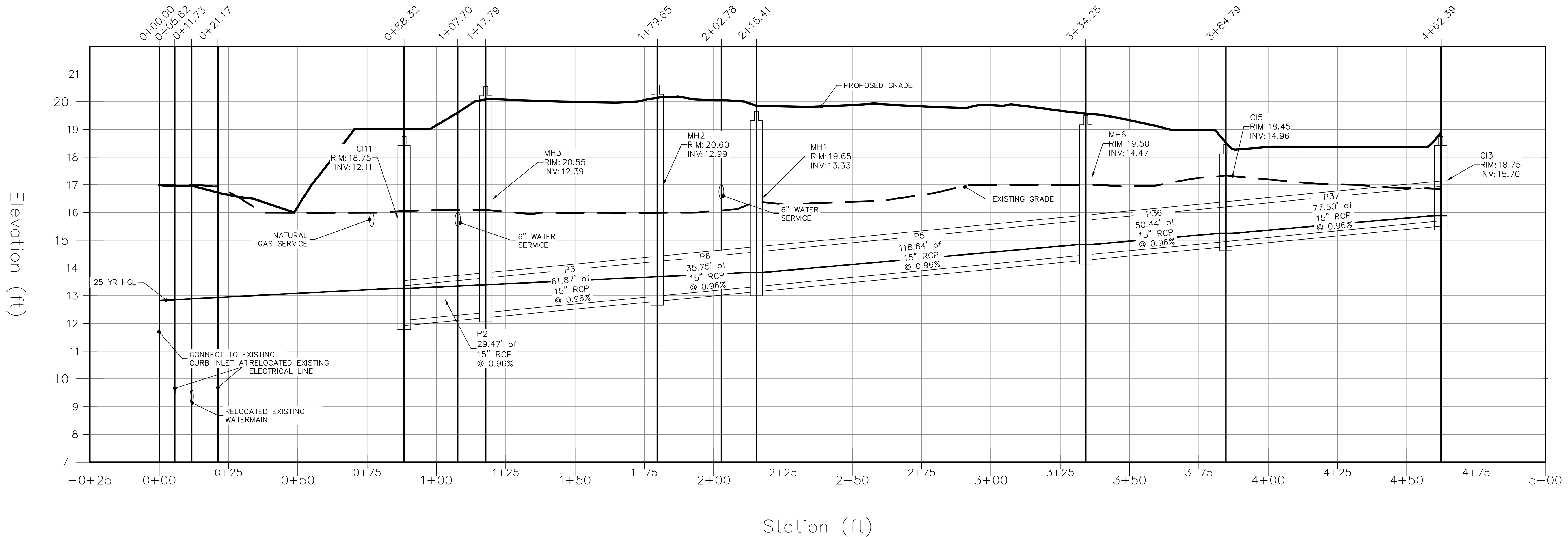
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C411

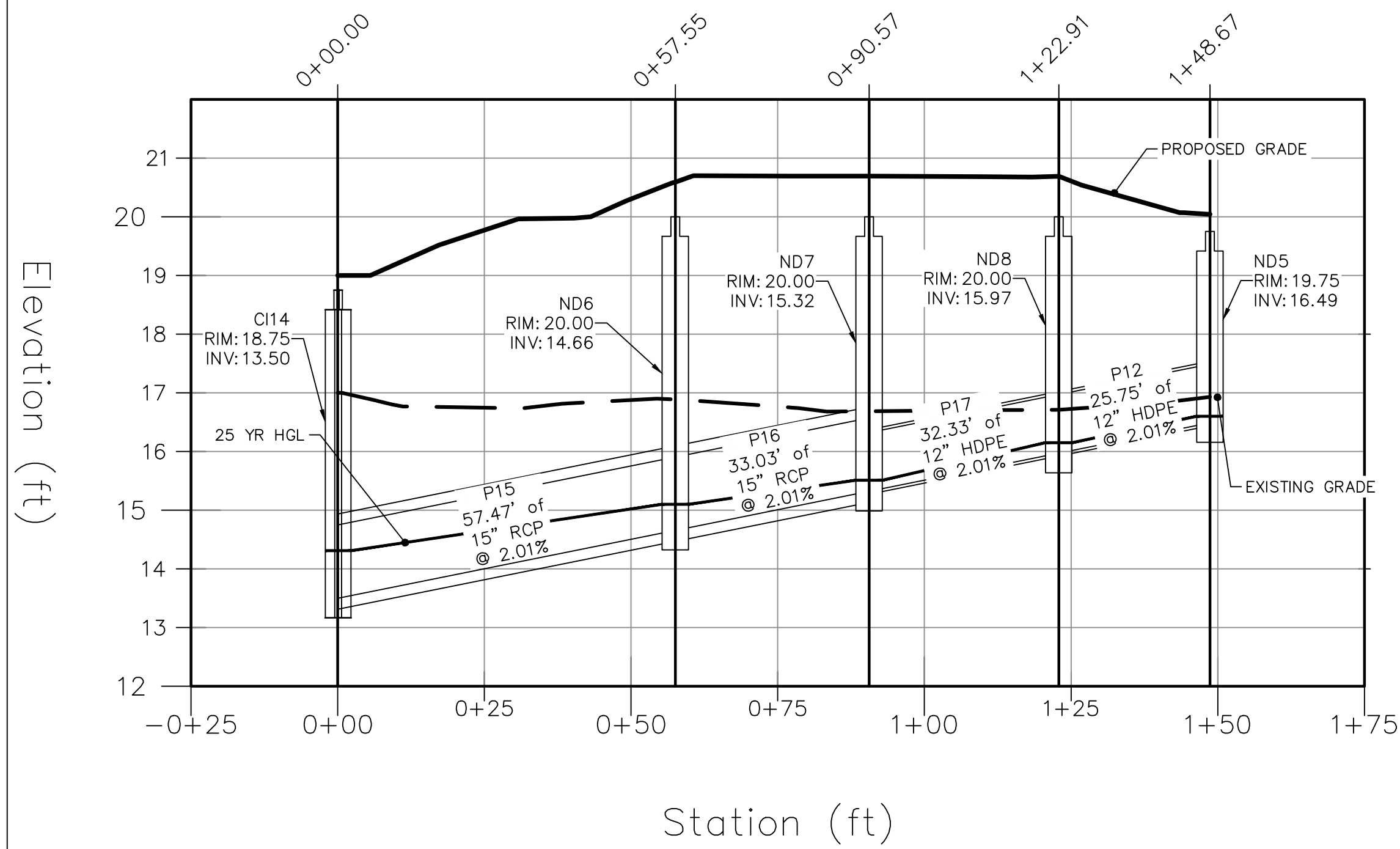
PROFILE ExCI-CI2



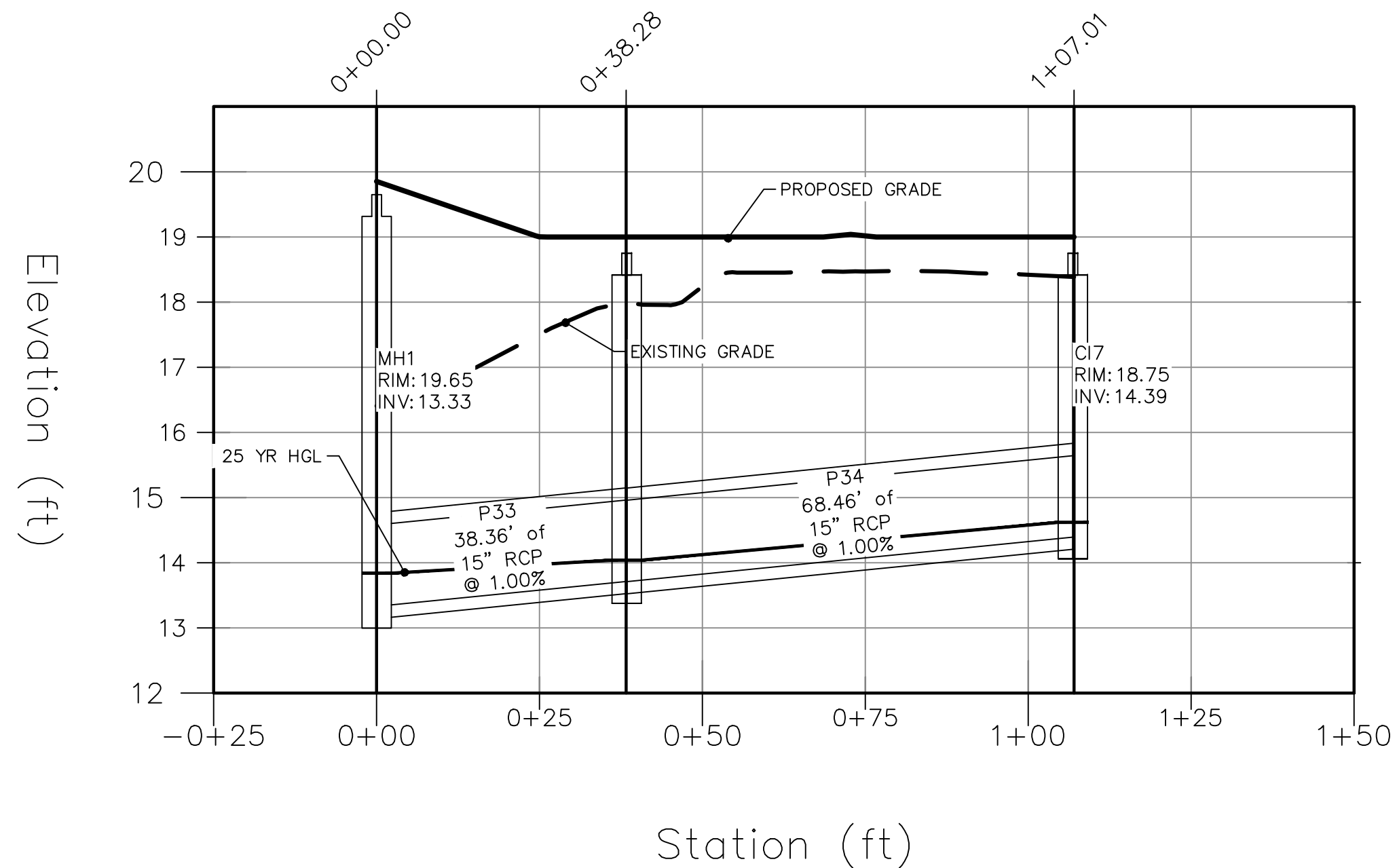
PROFILE ExCI-CI3



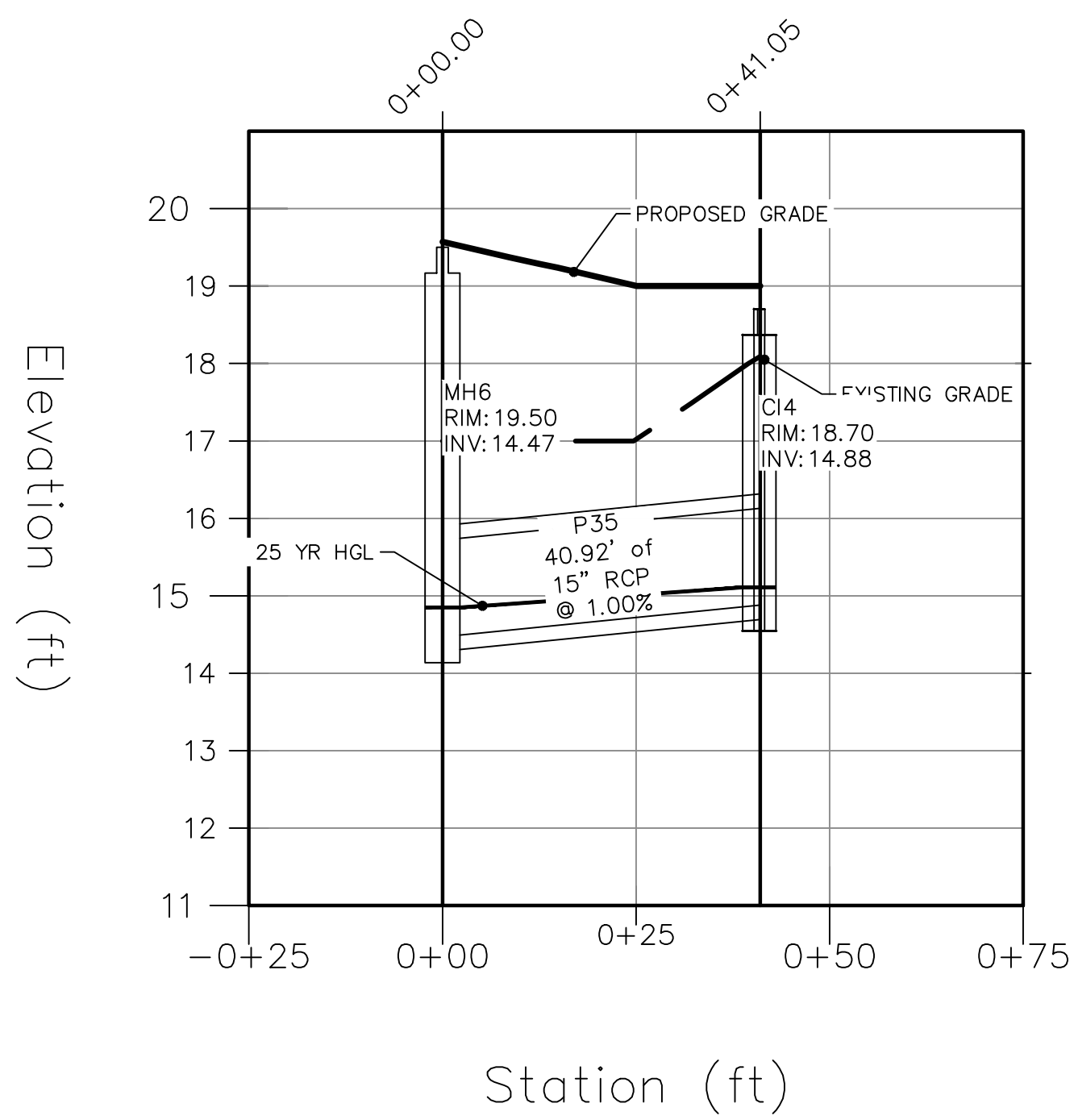
PROFILE CI14-ND5



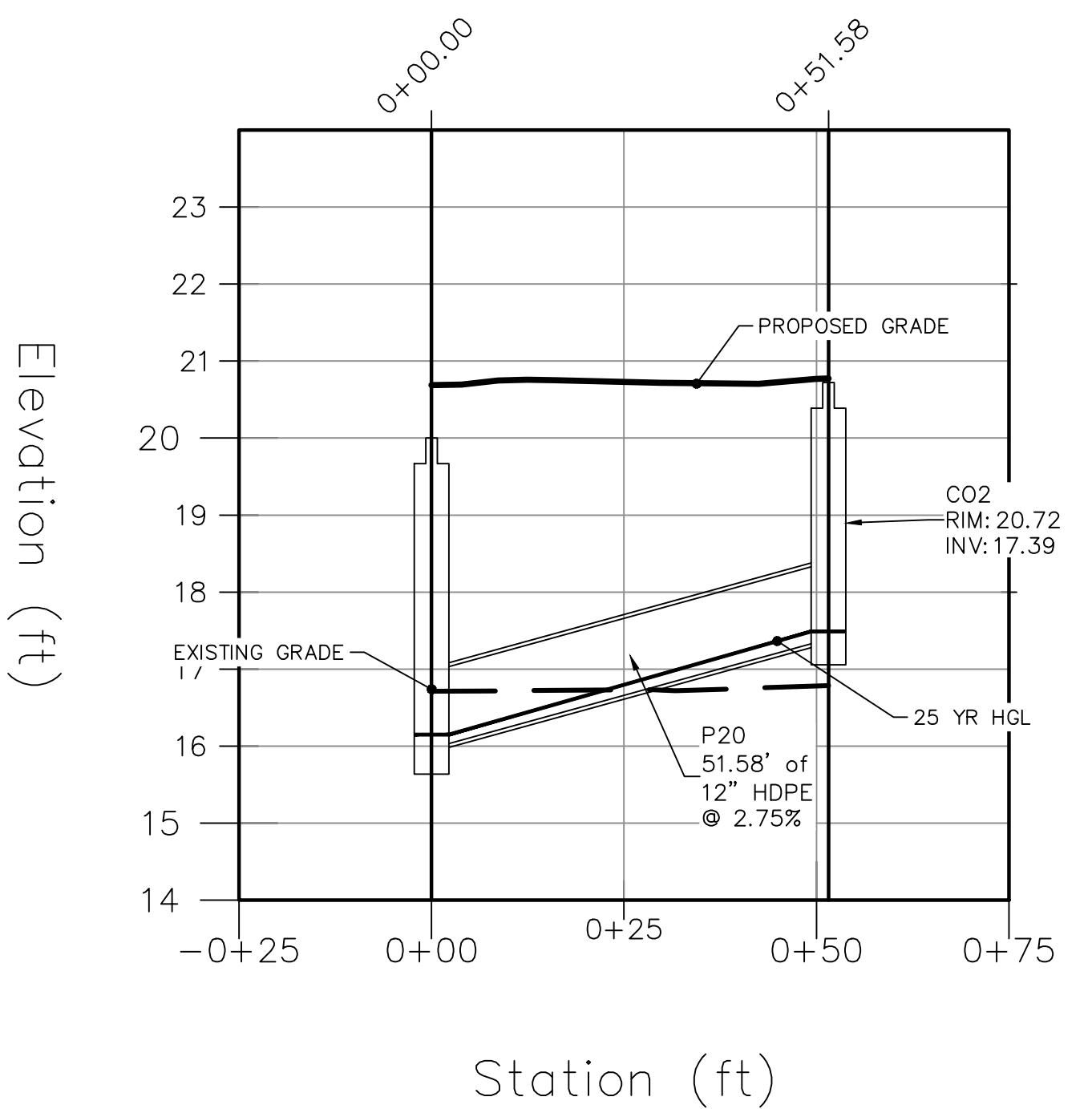
PROFILE MH1-CI7



PROFILE MH6-CI4

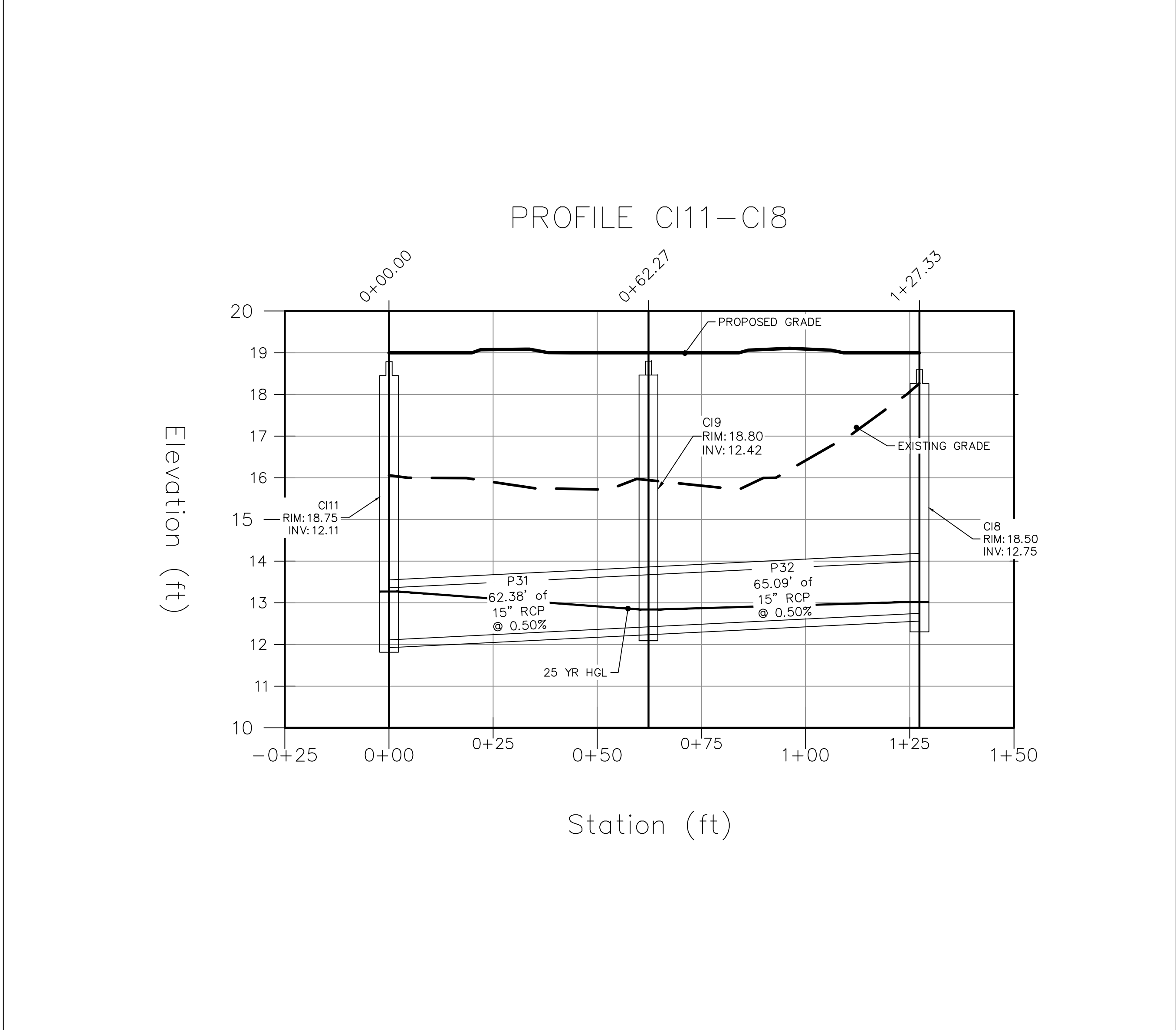
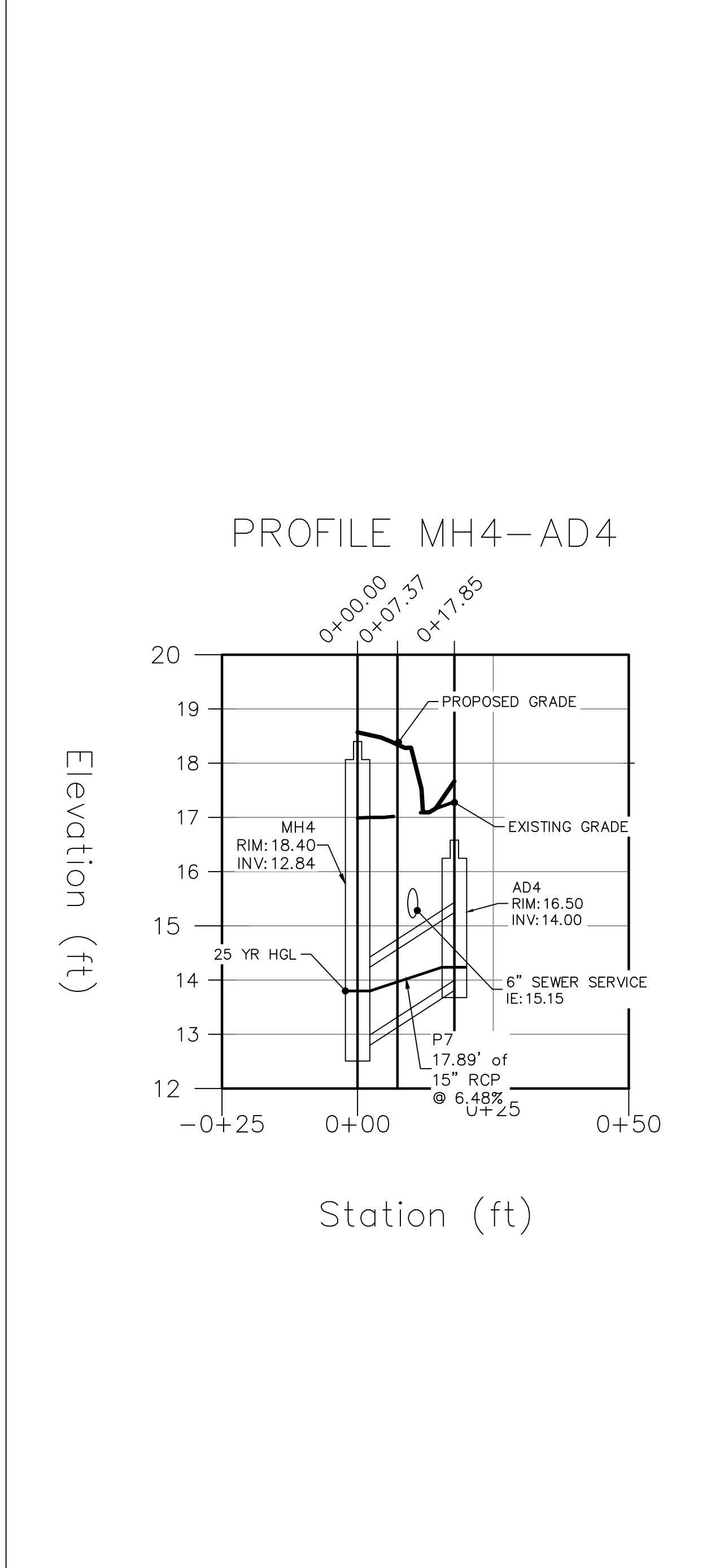
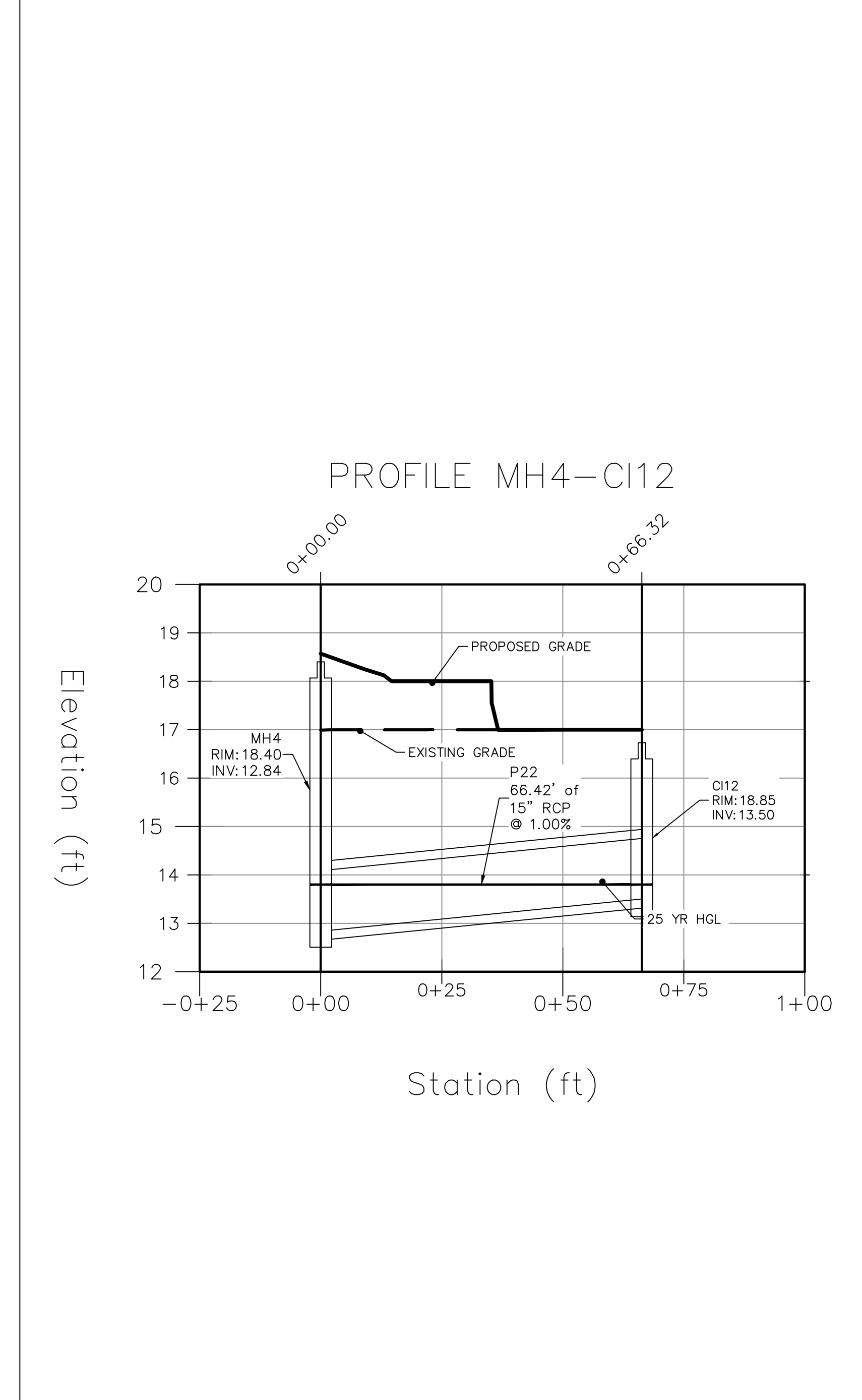
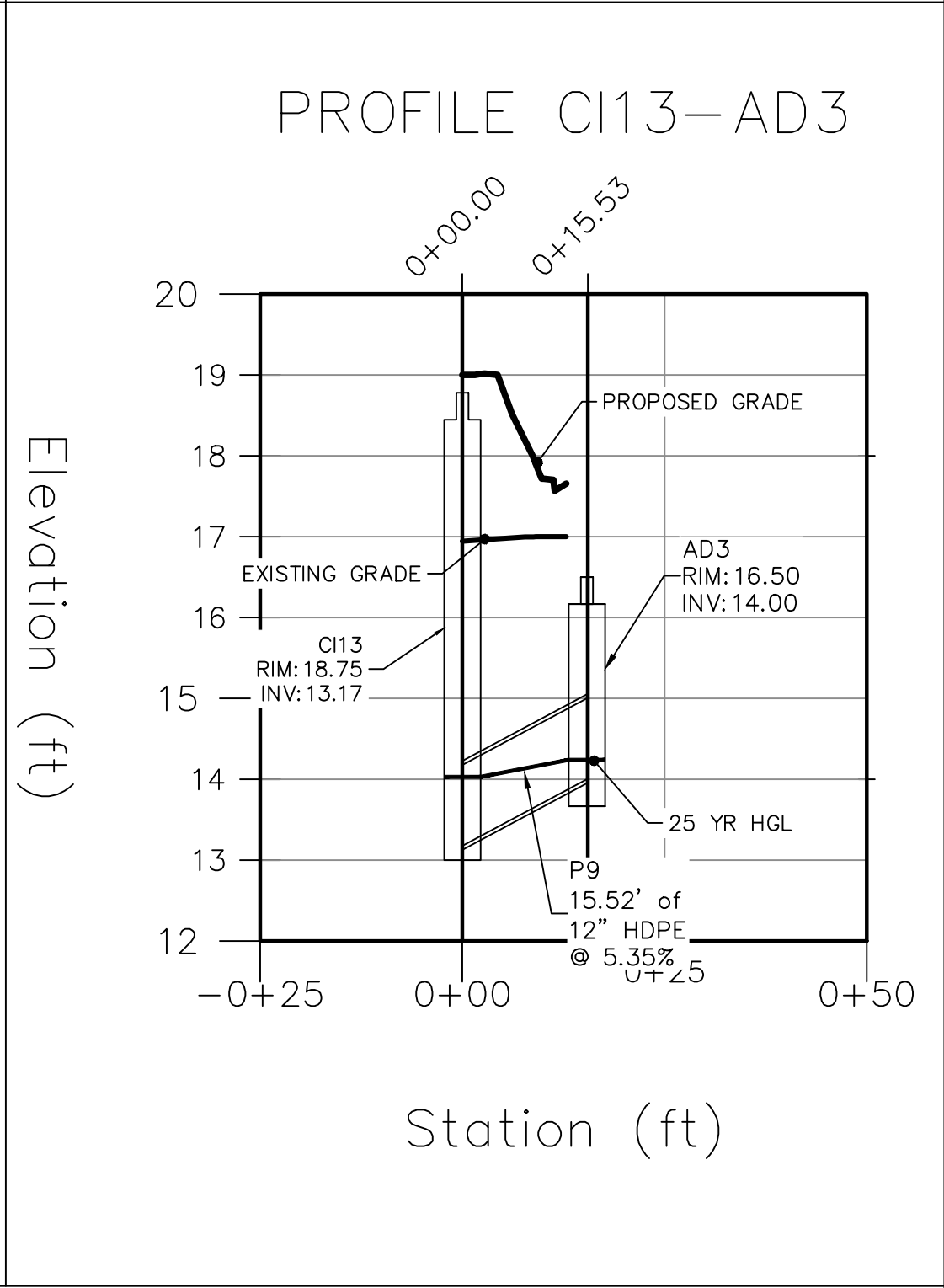
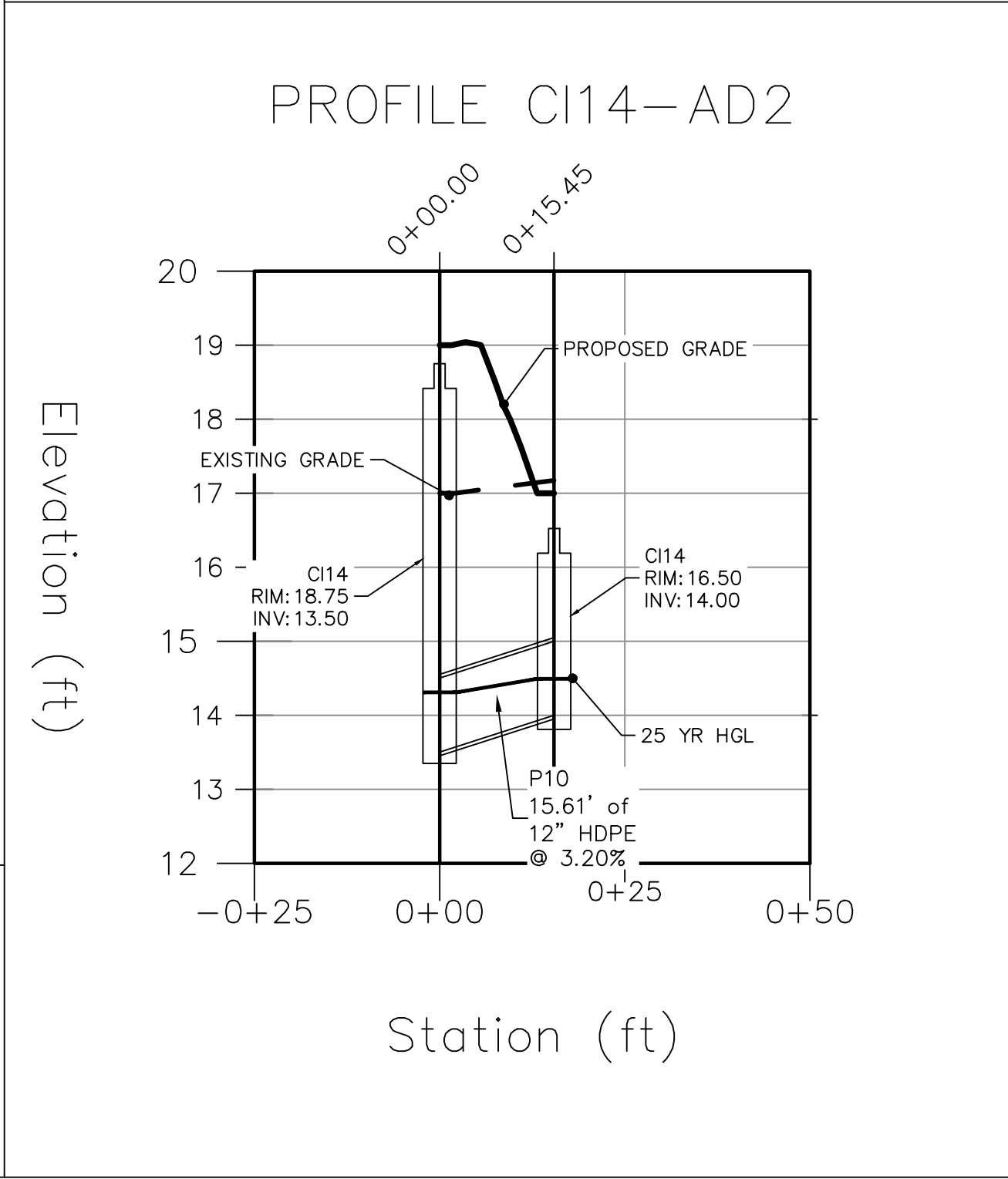
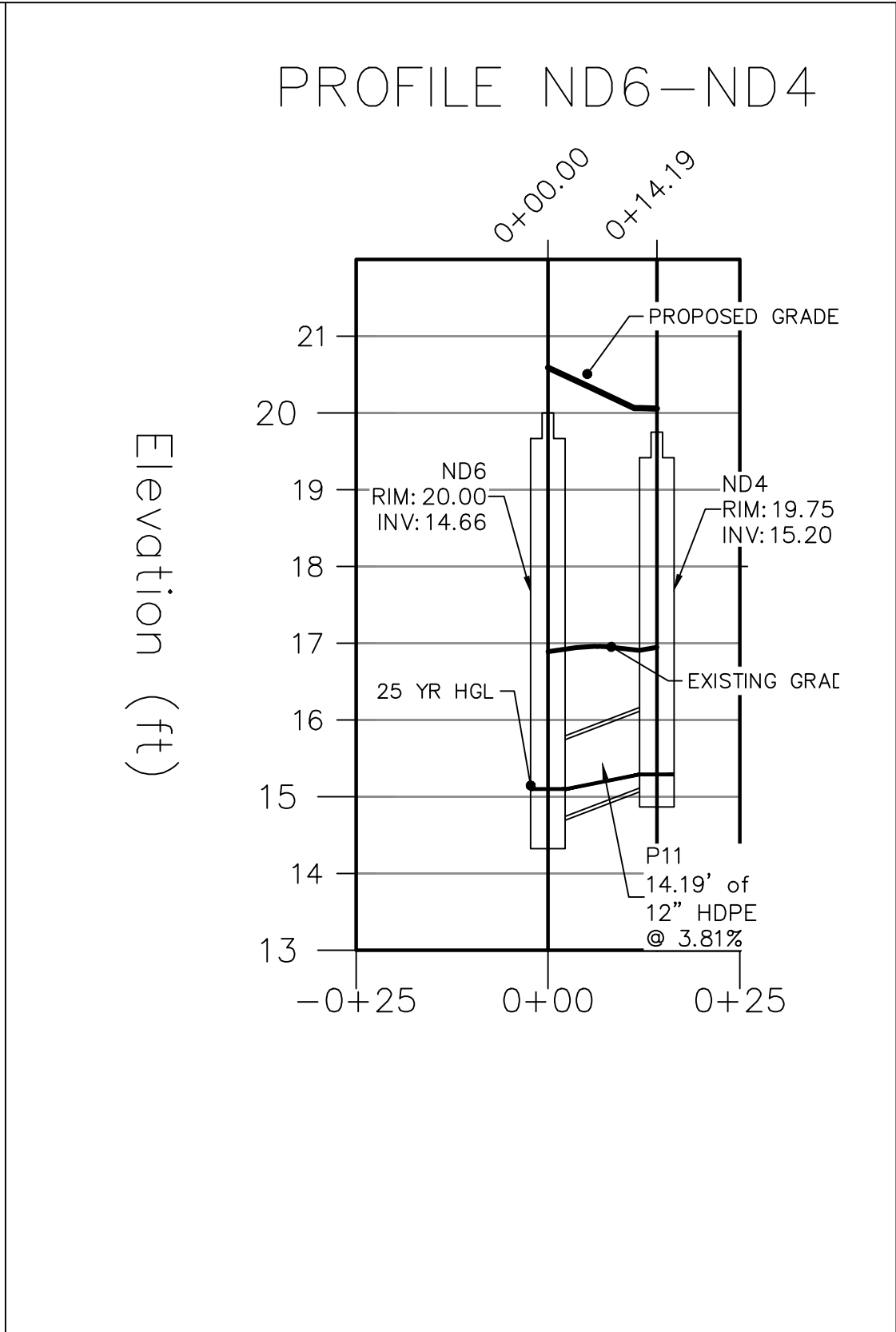
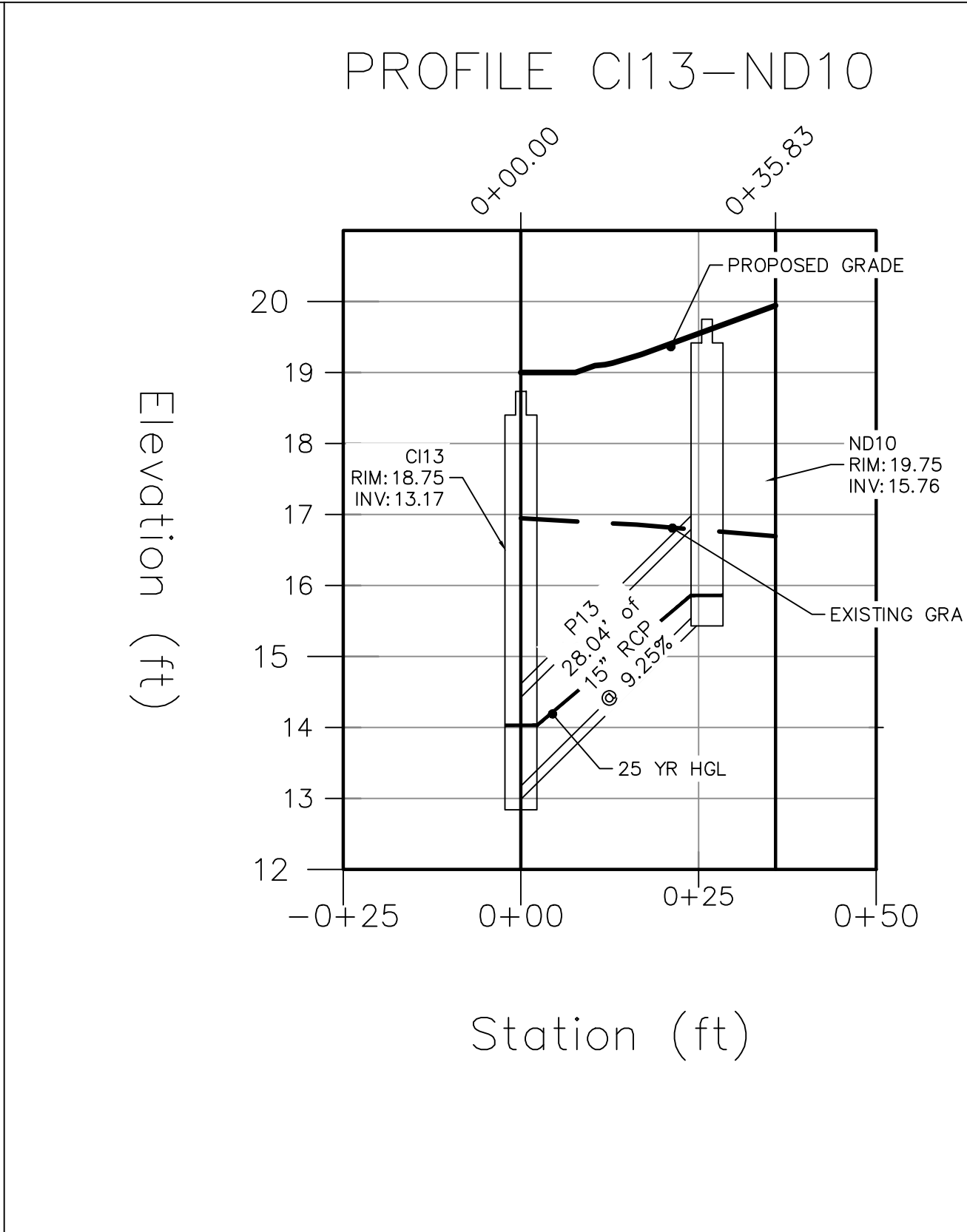
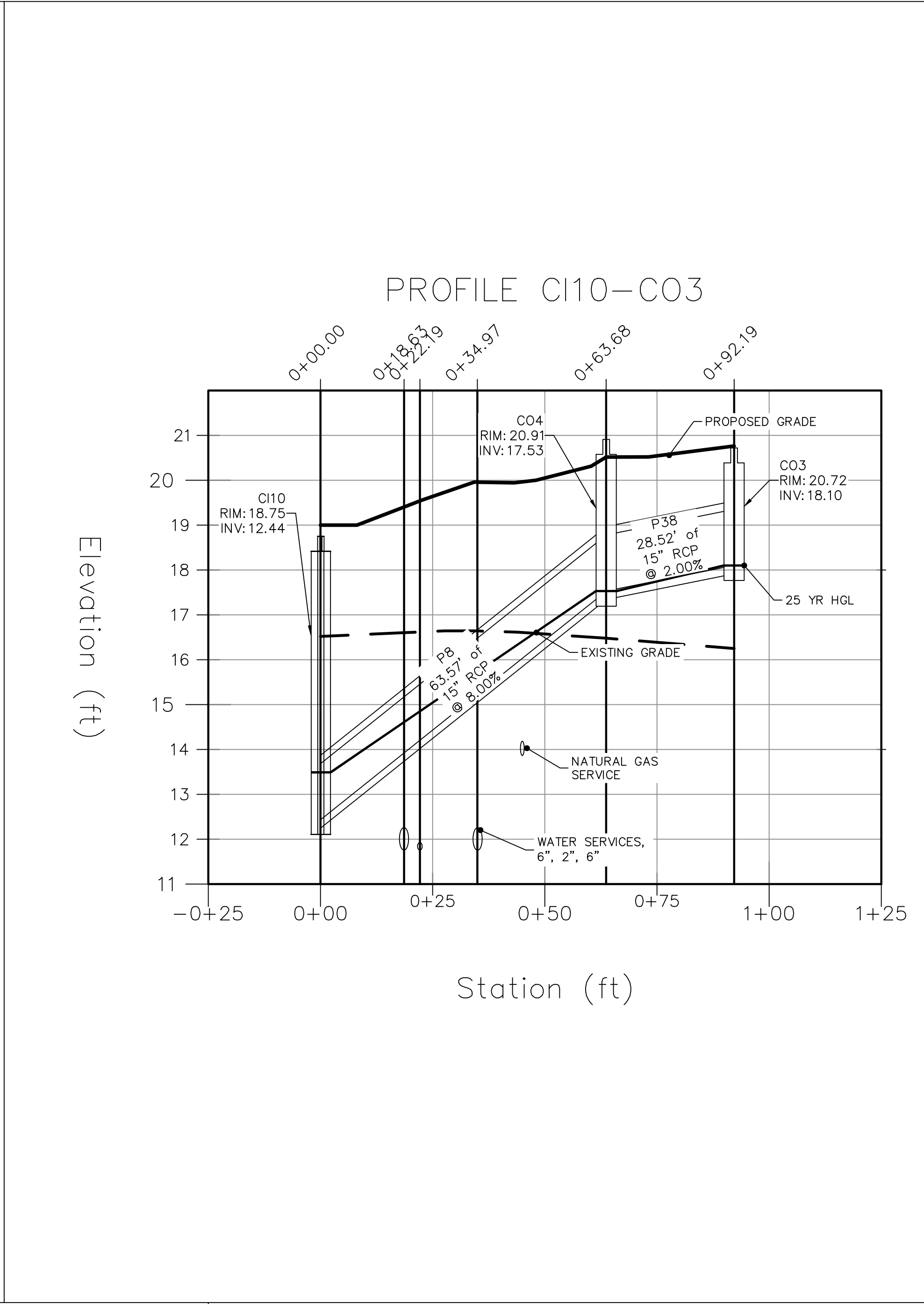
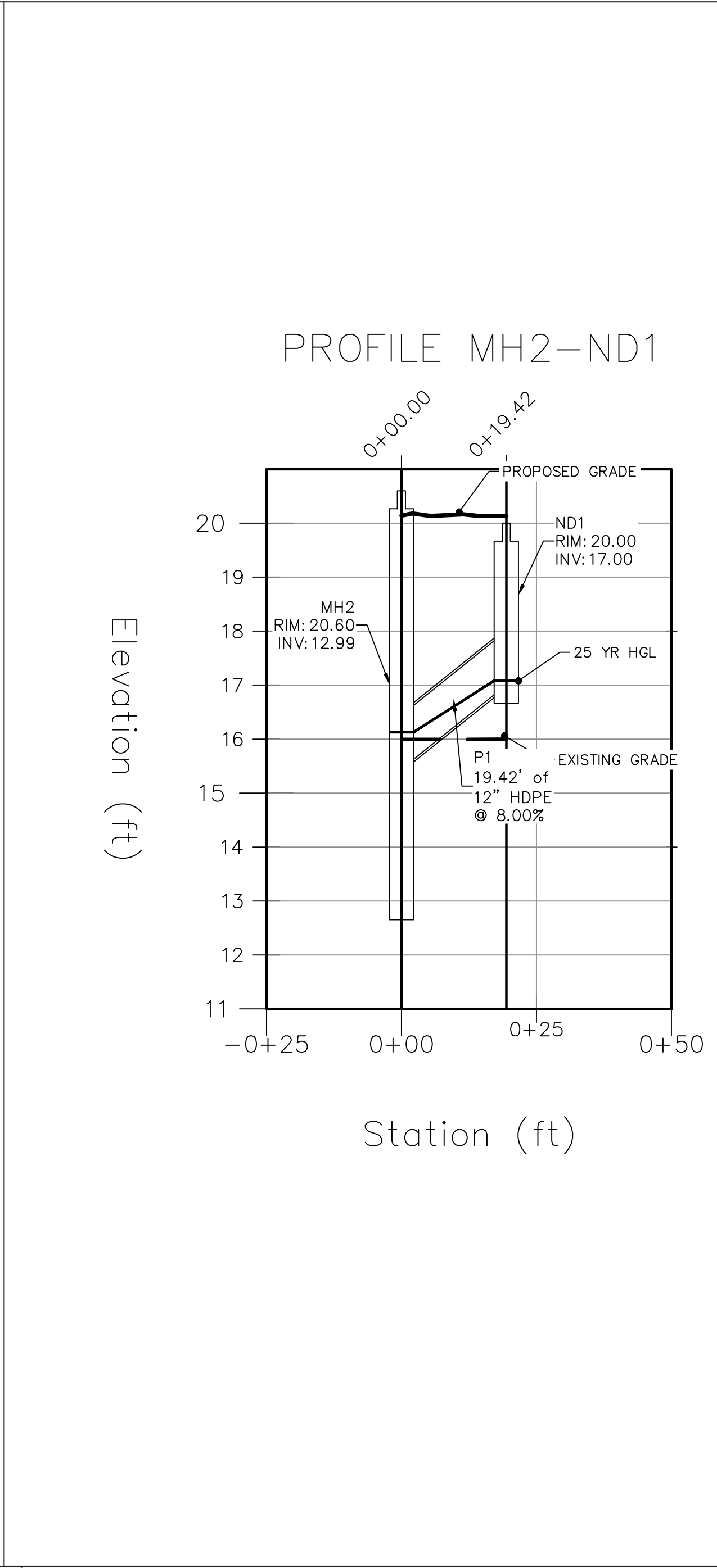
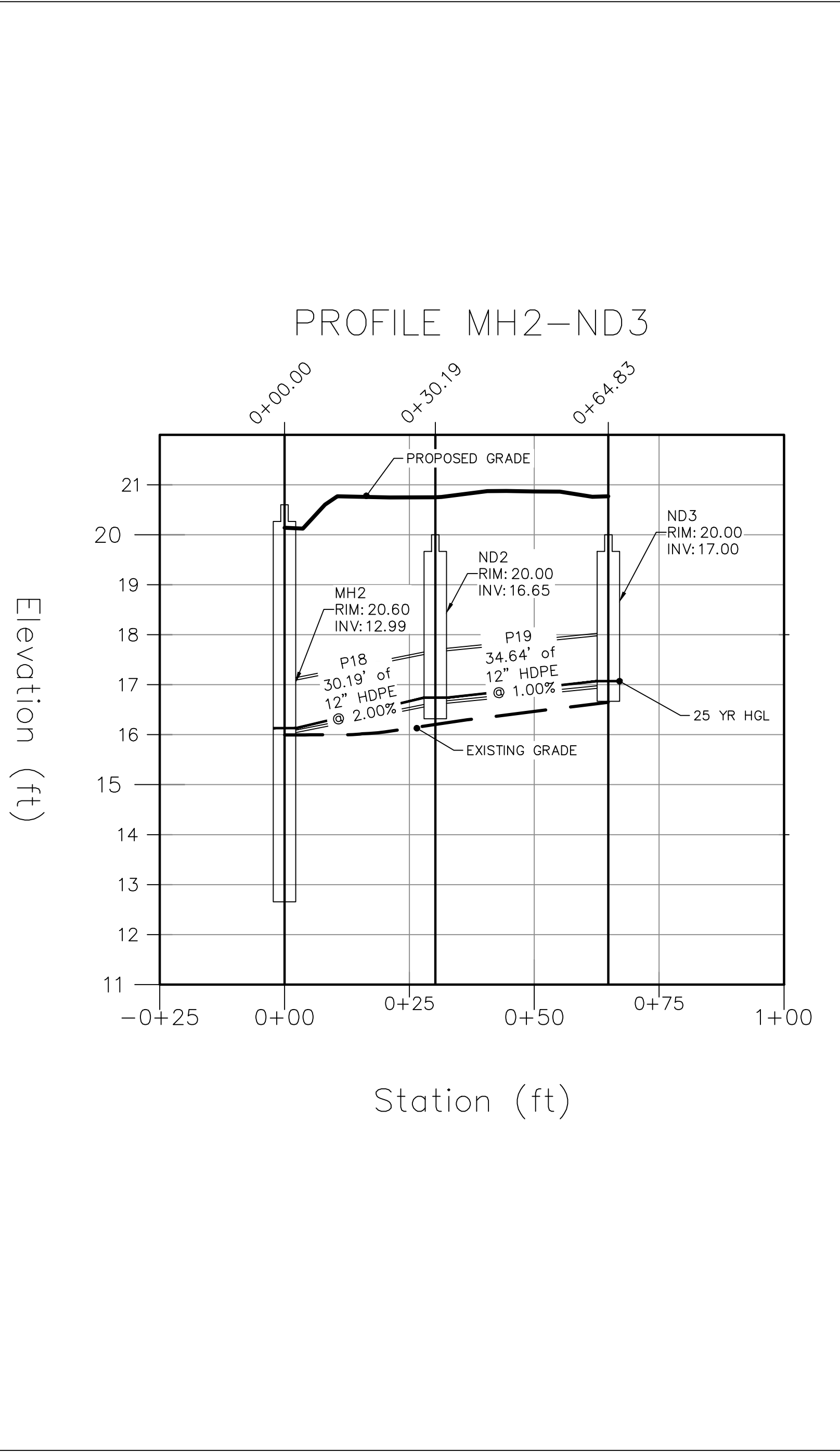


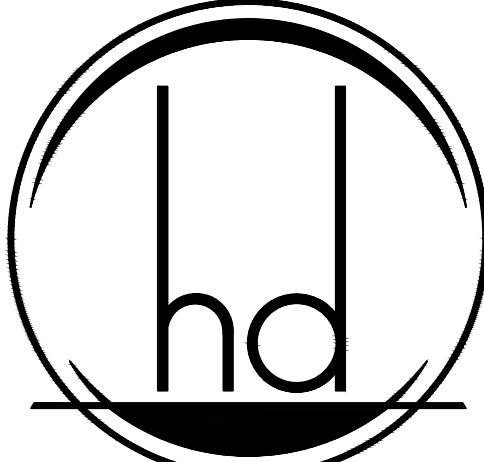
PROFILE ND8-CO2



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CLIENT #2828000002

POOLER FSER

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STATUS

INGRAM CIVIL ENGINEERING GROUP, LLC
212 Overlook Circle, Suite 105
Brentwood, Tennessee 37027
615.370.7964 Office
615.370.1275 Fax
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # 00444306
SAMUEL H. HUNTER, P.E.

William E. Hereford, III
AR # 96247

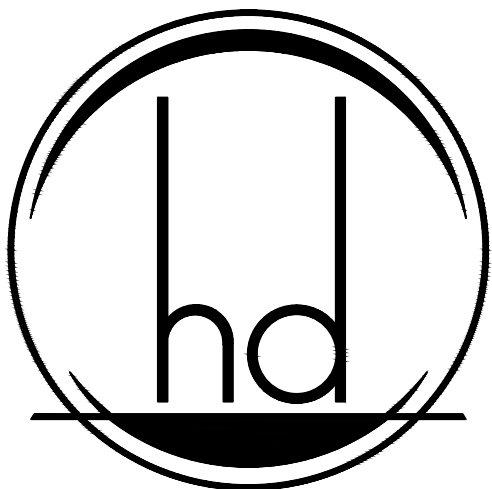
02/23/2026

DATE OF ISSUANCE

TITLE

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William E. Hereford, III
AR # 96247

02/23/2026

PHASE I
STORM WATER
POLLUTION
PREVENTION PLAN

C500

HYDROLOGIC SOIL GROUP		
MAP SYMBOL	MAP NAME	RATING
Oj	Ocilla Complex	B/D
Waf	Wahee Sandy Loam	C/D

GENERAL SWPPP NOTES

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LEGEND: EROSION CONTROL *

CODE	PRACTICE	MAP SYMBOL
VEGETATIVE MEASURES		
Ss	STEEP SLOPE MATTING & BLANKETS	Ss
Ds1	DISTURBED AREA STABILIZATION (w/ MULCHING ONLY)	Ds1
Ds2	DISTURBED AREA STABILIZATION (w/ TEMPORARY SEEDING)	Ds2
Ds3	DISTURBED AREA STABILIZATION (w/ PERMANENT VEGETATION)	Ds3
Du	DUST CONTROL ON DISTURBED AREAS	Du
Pm	POLYACRYLAMIDE (PAM)	Pm
STRUCTURAL PRACTICES		
Co	TEMPORARY CONSTRUCTION EXIT	
Sd1-S	SEDIMENT BARRIER	
Tp	TOPSOILING	
Fr	FILTER RING	
St1	OUTLET PROTECTION	
Sd4	TEMPORARY SEDIMENT TRAP	
Sd2-Bg	INLET SEDIMENT TRAPS	
Cd	ROCK FILTER DAM	
DISTURBED AREA		
Mb	MATTING AND BLANKETS COVERAGE	
Sk	SKIMMER	
Di	DIVERSION	
Sm	SEDIMENT CONTROL MARKER	

* EROSION CONTROL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA

SAMPLING POINT

Du Pm Ds2 Ds1
Tp
TO BE PERFORMED ON
ALL DISTURBED AREAS

24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



20 0 20 40
GRAPHIC SCALE

NOTE:
THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC
PLAN IS TO INSPECT AND CERTIFY THE INSTALLATION OF THE
INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER
CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION. .

WATER SAMPLING POINT #1
DRAINAGE AREA: 2.36 AC
WARM WATER STREAM
NTU VALUE: 75 NTU PER
APPENDIX B

SAVANNAH HEALTH
SERVICES, LLC
DB 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOSAIC)

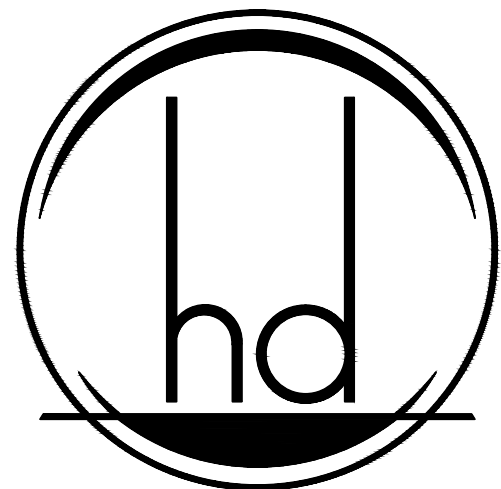
ALL DISTURBED AREAS
Du Pm Tp Ds1 Ds2

PB 52, PG 678
PARCEL 51009 01105

OUTPARCEL 10
MOSAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01106

PROPERTY OF MOSAIC
FIVE, LLC
DB 2147 PG 0203
USE: GENERAL OFFICE
ZONING: PUD (MOSAIC)

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PROJECT # 225027.00
CLIENT #282800002

POOLER FSR

STATUS CONSTRUCTION
DOCUMENTS



William E. Hereford, III
AR # 96247

02/23/2026

DATES OF ISSUANCE

PHASE II
STORM WATER
POLLUTION
PREVENTION PLAN

SHEET C501

HYDROLOGIC SOIL GROUP		
MAP SYMBOL	MAP NAME	RATING
Oj	Ocilla Complex	B/D
Waf	Wahee Sandy Loom	C/D

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LEGEND: EROSION CONTROL *

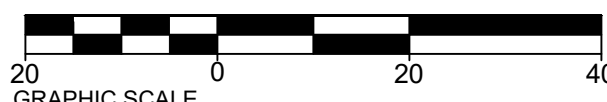
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Pm	POLYACRYLAMIDE (PAM)	Pm
STRUCTURAL PRACTICES		
Co	TEMPORARY CONSTRUCTION EXIT	
Sd1-S	SEDIMENT BARRIER	
Tp	TOPSOILING	
Fr	FILTER RING	
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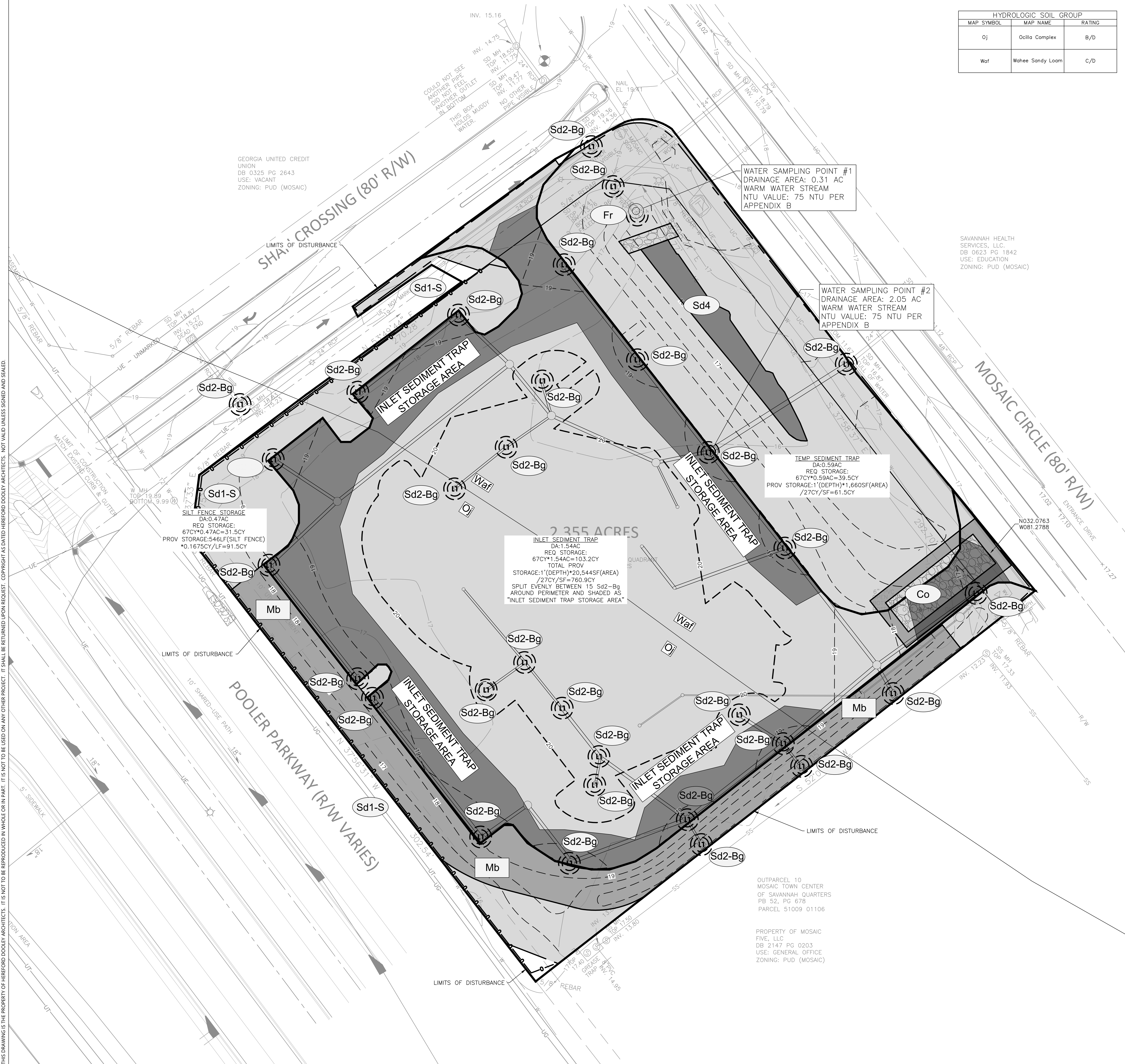
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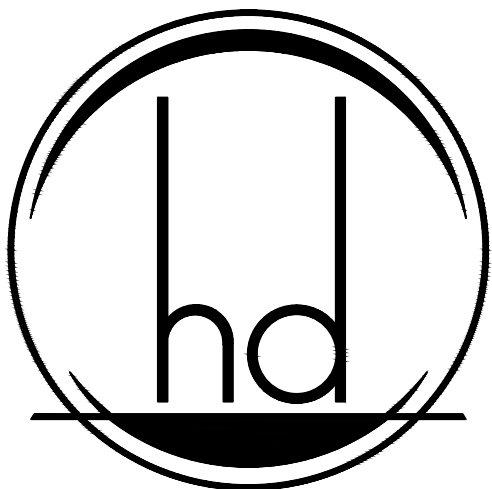
Du Pm Ds2 Ds1
Tp
TO BE PERFORMED ON
ALL DISTURBED AREAS

24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



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PROJECT # 225027.00
CLIENT #282800002

POOLER FSER

CONSTRUCTION
DOCUMENTS

STATUS



William E. Hereford, III
AR # 96247

02/23/2026

△

DATES OF ISSUANCE

PHASE III
STORM WATER
POLLUTION
PREVENTION PLAN

C502

SHEET

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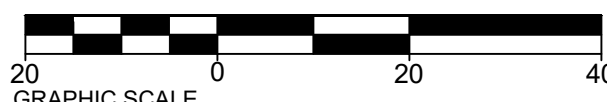
SAMPLING POINT

Du
Ds3
TO BE PERFORMED ON
ALL DISTURBED AREAS

24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



Sam H Bohannon
Level II Certified Design Professional
CERTIFICATION NUMBER 0000090104
ISSUED: 01/10/2026 EXPIRES: 01/10/2029



HYDROLOGIC SOIL GROUP		
MAP SYMBOL	MAP NAME	RATING
OJ	Ocilla Complex	B/D
Waf	Wahee Sandy Loom	C/D

SAVANNAH HEALTH
SERVICES, LLC.
DB: 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOAIC)

WATER SAMPLING POINT #1
DRAINAGE AREA: 0.31 AC
WARM WATER STREAM
NTU VALUE: 75 NTU PER
APPENDIX B

WATER SAMPLING POINT #2
DRAINAGE AREA: 2.05 AC
WARM WATER STREAM
NTU VALUE: 75 NTU PER
APPENDIX B

2.355 ACRES

ONE STORY
FSER BUILDING
FFE:21.00

OUTPARCEL 10
MOAIC TOWN CENTER
OF SAVANNAH QUARTERS
PB 52, PG 678
PARCEL 51009 01106

PROPERTY OF MOAIC
FIVE, LLC
DB 2147 PG 0203
USE: GENERAL OFFICE
ZONING: PUD (MOAIC)

GEORGIA UNITED CREDIT
UNION
DB 0325 PG 2643
USE: VACANT
ZONING: PUD (MOAIC)

SHA: CROSSING (80' R/W)
LIMITS OF DISTURBANCE

POOLER PARKWAY (R/W VARIES)
LIMITS OF DISTURBANCE

MOAIC CIRCLE (80' R/W)
ENTRANCE DRIVE

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FILTER RING

DEFINITION
A TEMPORARY FILTER BARRIER (GEO-HAY) CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS.

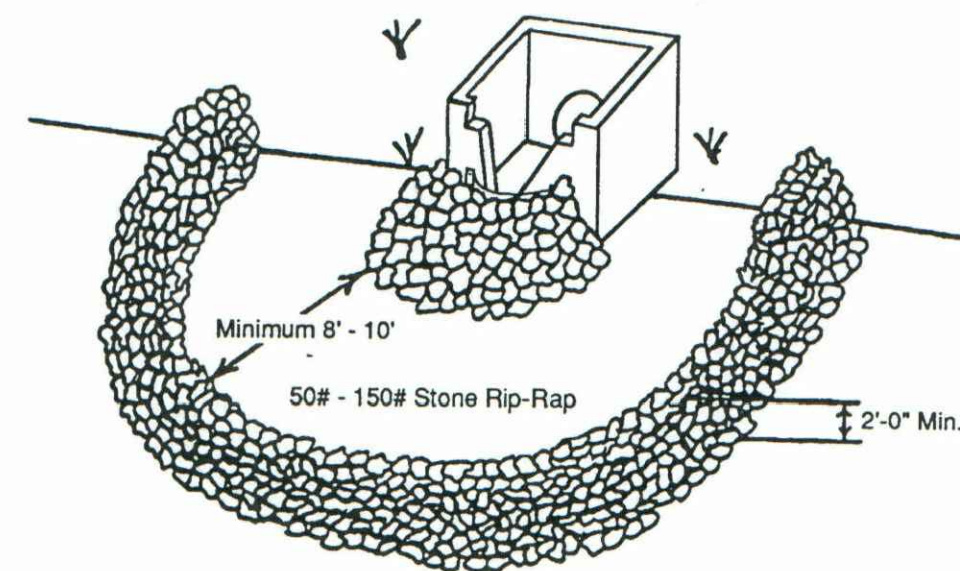
PURPOSE
THIS STRUCTURE REDUCES FLOW VELOCITIES, PREVENTING THE FAILURE OF OTHER SEDIMENT CONTROL DEVICES. IT ALSO PREVENTS SEDIMENT FROM LEAVING THE SITE OR ENTERING DRAINAGE SYSTEMS, PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA.

CONDITIONS
FILTER RINGS SHALL BE USED IN CONJUNCTION WITH OTHER SEDIMENT CONTROL MEASURES, EXCEPT WHERE OTHER PRACTICES DEFINED IN THIS MANUAL ARE NOT APPROPRIATE (SUCH AS INLETS TO CONCRETE FLUMES). THEY CAN BE INSTALLED AT OR AROUND DEVICES SUCH AS INLET SEDIMENT TRAPS, TEMPORARY DOWNDRAIN INLETS, AND DETENTION POND RETROFIT TO PROVIDE ADDITIONAL SEDIMENT FILTERING CAPACITY.

DESIGN CRITERIA
FORMAL DESIGN IS NOT REQUIRED. THE FOLLOWING STANDARDS SHALL BE USED:

LOCATION
THE FILTER RING SHALL SURROUND ALL SIDES OF THE STRUCTURE RECEIVING RUNOFF FROM DISTURBED AREAS. IT SHOULD BE PLACED A MINIMUM OF FOUR FEET FROM THE STRUCTURE. THE RING IS NOT INTENDED TO SUBSTANTIALLY IMPOUND WATER, CAUSING FLOODING OR DAMAGE TO ADJACENT AREAS.
THE FILTER RING MAY ALSO BE PLACED BELOW STORM DRAINS DISCHARGING INTO DETENTION PONDS, CREATING A CENTRALIZED AREA, OR FOREBAY, FOR SEDIMENT ACCUMULATION. THIS PROVIDES FOR EASIER, MORE LOCALIZED CLEAN-OUT OF THE POND. IF UTILIZED ABOVE A RETROFIT

MAINTENANCE
THE FILTER RING MUST BE KEPT CLEAR OF TRASH AND DEBRIS. THIS WILL REQUIRE CONTINUOUS MONITORING AND MAINTENANCE, WHICH INCLUDES SEDIMENT REMOVAL WHEN ONE-HALF FULL. STRUCTURES ARE TEMPORARY AND SHOULD BE REMOVED WHEN THE LAND-DISTURBING PROJECT HAS BEEN STABILIZED.



STONE FILTER RING

Figure 6-15.1

CONSTRUCTION ENTRANCE/EXIT
(Version: 11-29-02)

Definition
A construction entrance/exit consists of a designed, constructed and maintained stone pad at any point where vehicles enter or leave the site along the property boundary.

Purpose
The intent of the construction entrance/exit is to reduce offsite sedimentation by eliminating the tracking or flowing of soil or sediment by construction-related vehicles onto public rights-of-way or runoff.

State Requirements
Reference: Manual for Erosion and Sediment Control in Georgia, Fifth Edition, 2000

Design Details
Specify location
Locate construction entrance/exits to limit sediment from leaving the site and to provide maximum utility by all construction vehicles. Avoid entrances that will have steep grades and entrances at curves in public roads.

Specify length
Minimum pad length is 50 feet, 100 feet is more effective. On up-grade slopes, extend the length of the pad from the road to the crest of the slope.

Specify width
Minimum pad width is 20 feet. Determine and specify the width of the pad to accommodate vehicles that have a larger turning radius.

Specify the underliner
A GADOT QPL-28 Type A woven geotextile fabric underliner shall be installed beneath the full length and width of the entrance/exit.

Specify the aggregate
NSA R-2 (1.5" - 3.5") coarse aggregate shall be used. The aggregate shall be free of slate, shale, clay silt and vegetation.

Specify berm (optional)
If the up-grade slope exceeds 2%, require a diversion ridge with 3:1 slopes located about 15 feet on-site from the public road.

Specify tire wash (optional)
On sites where activity is planned during inclement weather, a high-pressure tire wash station may be necessary to remove soil from vehicle tires. The wash station shall consist of a 1) pad of crushed stone, 2) a series of railroad rails anchored in a parallel configuration, or 3) a 6' to 7' width of reinforced concrete ridges. Tire wash design must include interception of the washwater and transfer it to a sediment trap or basin, before it is released off-site.

Specify the installation and maintenance details
Details as follows:

Installation Details
Specify soil/grading preparation
The area designated for construction entrance/exit shall have the surface soil removed to a depth of three inches. Roots and other woody materials shall be removed; and soft subsoil shall be excavated. Compact the soil.

Specify the installation of the underliner

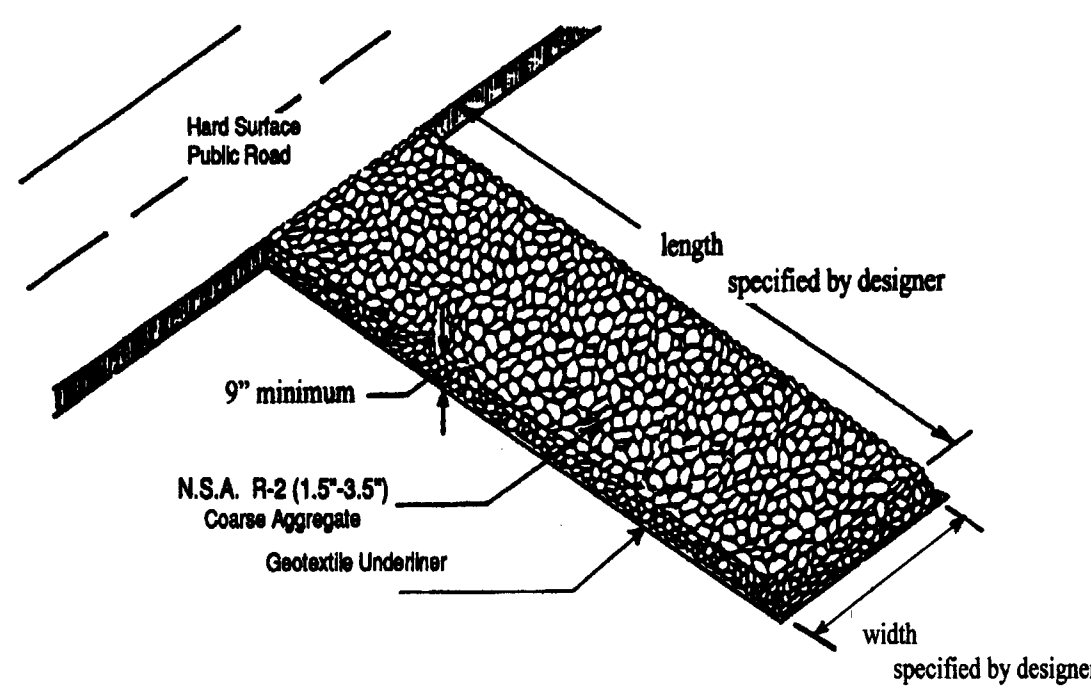
Overlap edges and lengths of geotextile underliner by 12 inches at ends and sides.
Specify thickness and placement of stone.
A uniform 9-inches of aggregates is required. Do not feather the aggregate at the edges.

Maintenance Details

Specify inspections
The contractor shall inspect each construction entrance/exit site daily.

- Specify corrections needed**
- If ruts are noted, then the contractor shall rake the aggregate to maintain a uniform 6-inch depth of aggregate above the plane of the nearby soil.
 - When the aggregate is filled with dirt as evidence by tracking of dirt onto the roadway, the aggregate shall be removed and replaced with clean aggregate.
 - If soil continues to be tracked onto the public road, the contractor shall install a tire wash station. Soil that might accumulate on the road must be removed immediately, collected and deposited on-site. DO NOT hose-wash the road. Any spilled contaminants or liquid wastes shall be removed on a daily basis, and disposed of in an approved manner.

Additional Comments
If the base is soft, granular or normally wet to the extent that the entrance will continually rut, the use of confinement cells should be incorporated into the design.



Slope Stabilization



DEFINITION
A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

PURPOSE
To provide a cover layer that stabilizes the soil and acts as a rain drop impact dissipater while providing a microclimate that protects young vegetation and promotes its establishment. If using slope stabilization to reinforce channels, please refer to specification, Ch- Channel Stabilization.

CONDITIONS
Slope stabilization can be applied to flat areas or slopes where the erosion hazard is high and slope protection is needed during the establishment of vegetation.

PLANNING CONSIDERATIONS
Care must be taken to choose the type of slope stabilization product that is most appropriate for the specific needs of a project. Two general types of slope stabilization products are discussed within this specification.

Rolled Erosion Control Products (RECP)
A natural fiber blanket with single or double photodegradable or biodegradable nets.

Hydraulic Erosion Control Products (HECP)
HECP shall utilize straw, cotton, wood or other natural based fibers held together by a soil binding agent that works to stabilize soil particles. Paper mulch should not be used for erosion control.

CRITERIA
Rolled Erosion Control Products (RECPs) and Hydraulic Erosion Control Products (HECPs):
• Installation and stapling of RECPs and application rates for the HECPs shall conform to manufacturer's guidelines for application
• Short-Term RECPs as a minimum shall be used to stabilize concentrated flow areas with a velocity less than 5ft/sec on slopes 3:1 or greater with a height of 10 feet or greater.

Materials – HECP
Hydraulic erosion control products shall be prepackaged from the manufacturer. Field mixing of performance enhancing additives will not be allowed. Fibrous components should be all natural or biodegradable.
Products shall be determined to be non-toxic in accordance with EPA-821-R-02-012.

Materials – RECP
Blankets shall be nontoxic to vegetation, seed, or wildlife. Products shall be determined to be non-toxic in accordance with EPA-821-R-02-012. At minimum, the plastic or biodegradable netting shall be stitched to the fibrous matrix to maximize strength and provide for ease of handling.

RECPs are categorized as follows:

a. Short-Term (functional longevity 12 mo.)

i. Photodegradable
Straw blankets with a top and bottom side photo degradable net. The maximum size of the mesh should be openings of 1/2" X 1/2". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.35" and minimum density should be 0.5 lbs per square yard.

ii. Biodegradable
Straw blanket with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands to provide

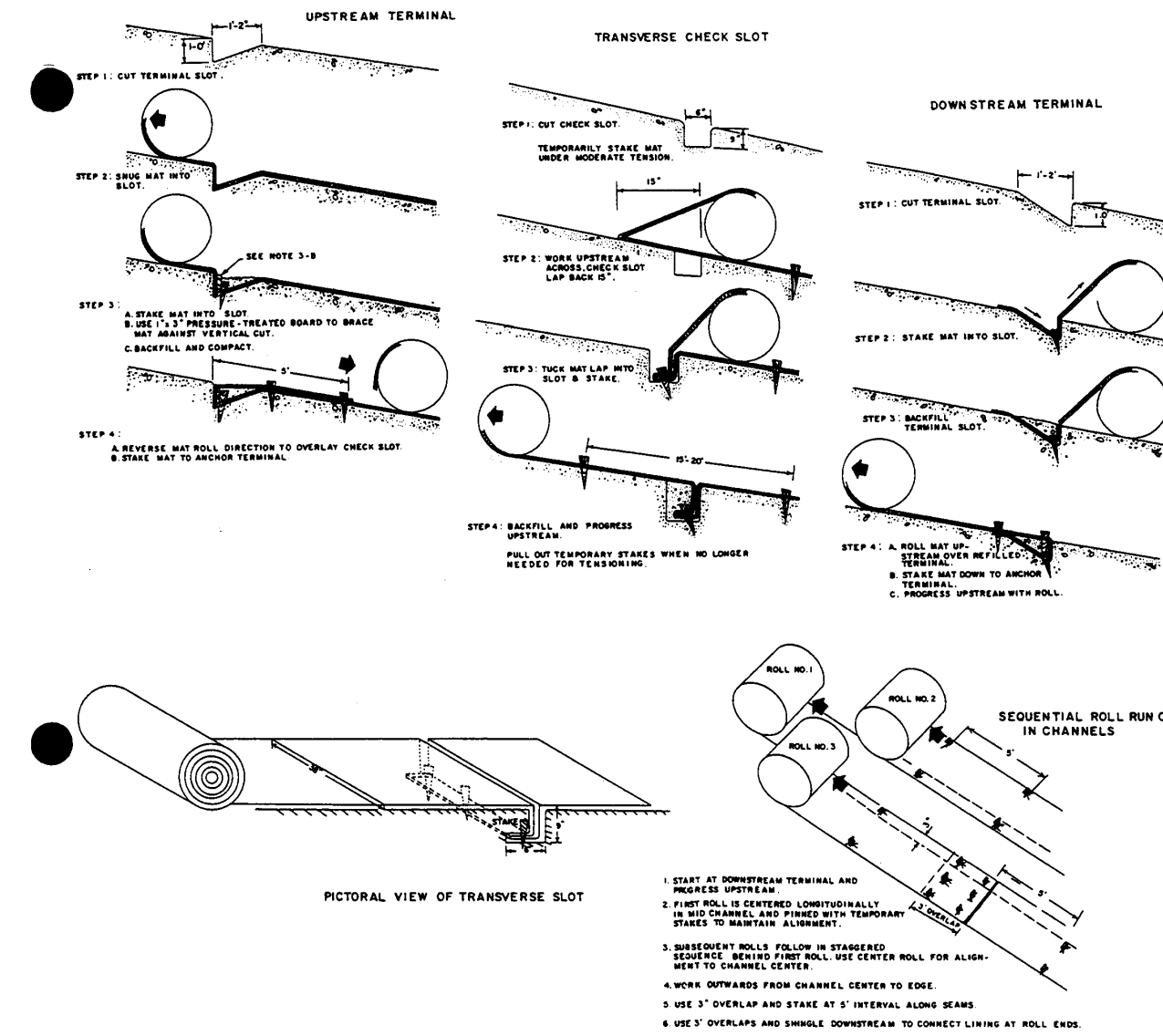


Figure 6-7.1 - Typical installation guidelines for matting and blankets

6-66

GaSWCC (Amended - 2000)

Sd2-Bq

GaSWCC (Amended - 2000)

6-143

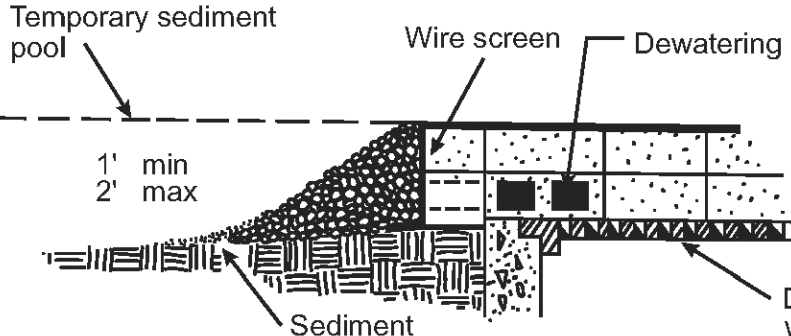
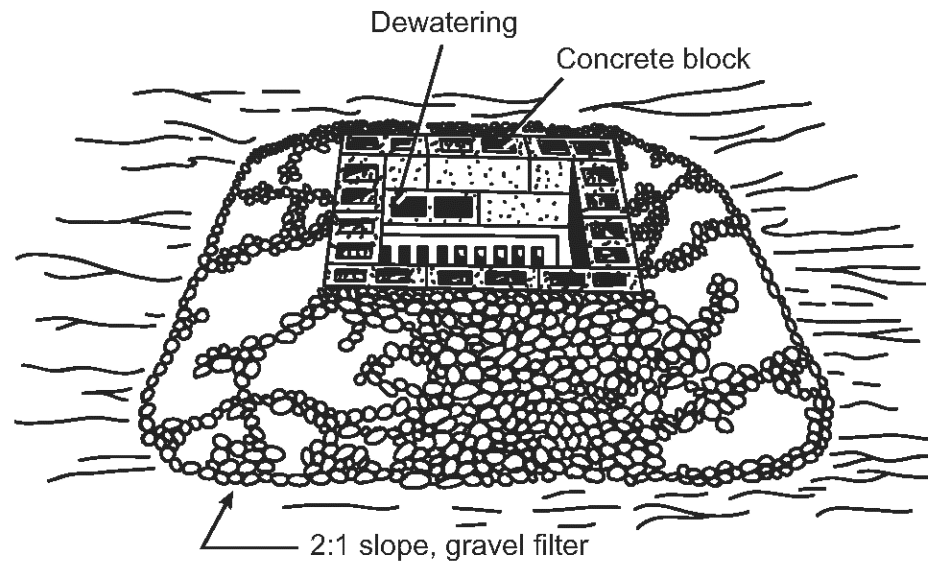


Figure 6-21.3 - Block and Gravel Drop Inlet Protection

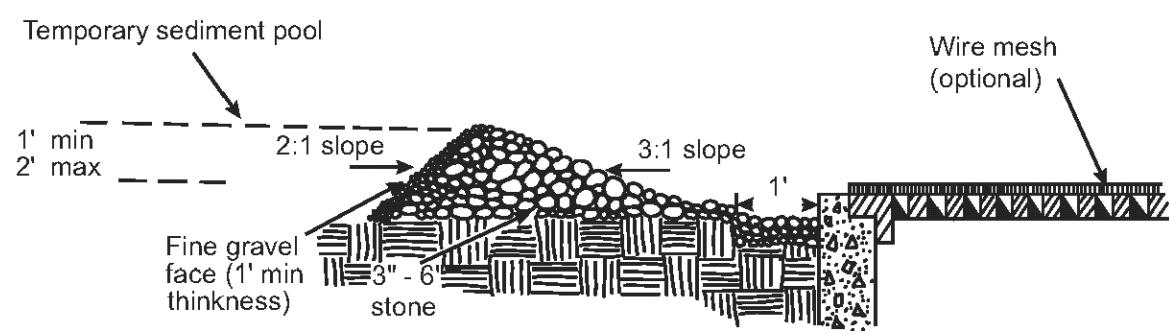


Figure 6-21.4 - Gravel Drop Inlet Protection (Gravel Donut)

STORM DRAIN OUTLET PROTECTION

DEFINITION
PAVED AND/OR RIPRAPPED CHANNEL SECTIONS, PLACED BELOW STORM DRAIN OUTLETS.

PURPOSE
TO REDUCE THE VELOCITY OF FLOW BEFORE ENTERING RECEIVING CHANNELS BELOW STORM DRAIN OUTLETS.

CONDITIONS
THIS STANDARD APPLIES TO ALL STORM DRAIN OUTLETS, ROAD CULVERTS, PAVED CHANNELS, ETC. DISCHARGING INTO NATURAL OR CONSTRUCTED CHANNELS. ANALYSIS AND/OR TREATMENT WILL EXTEND FROM THE END OF CONDUIT, CHANNEL OR STRUCTURE TO THE POINT OF ENTRY INTO AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM.

CONSTRUCTION SPECIFICATIONS
1. ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREA IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
2. THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.

3. FILTER FABRIC, WHEN USED, MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER FABRIC OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MINIMUM OF 1 FOOT. IF THE DAMAGE IS EXTENSIVE REPLACE THE ENTIRE FILTER FABRIC.

4. RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER FABRIC.

5. THE MINIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.

6. RIPRAP MY BE FIELD STONE OR ROUGH QUARRY STONE. IT SHOULD BE HARD, ANGULAR, HIGHLY WEATHER-RESISTANT AND WELL GRADED.

7. CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFILL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.

8. ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT IT LENGTH. IF A CURVE IS NEEDED TO FIT SIZE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.

9. IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.

10. STONE QUALITY - SELECT STONE FOR RIPRAP FROM FIELD STONE OR QUARRY STONE. THE STONE SHOULD BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT. THE SPECIFIC GRAVITY OF THE INDIVIDUAL STONES SHOULD BE AT LEAST 2.5.

11. FILTER - INSTALL A FILTER TO PREVENT SOIL MOVEMENT THROUGH THE OPENING IN THE RIPRAP. THE FILTER SHOULD CONSIST OF A GRADED GRAVEL LAYER OR A SYNTHETIC FILTER CLOTH.

12. LENGTH OF Sd1 SHALL BE X' LENGTH BEYOND ENDWALL.

MAINTENANCE
INSPECT RIPRAP OUTLETS STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

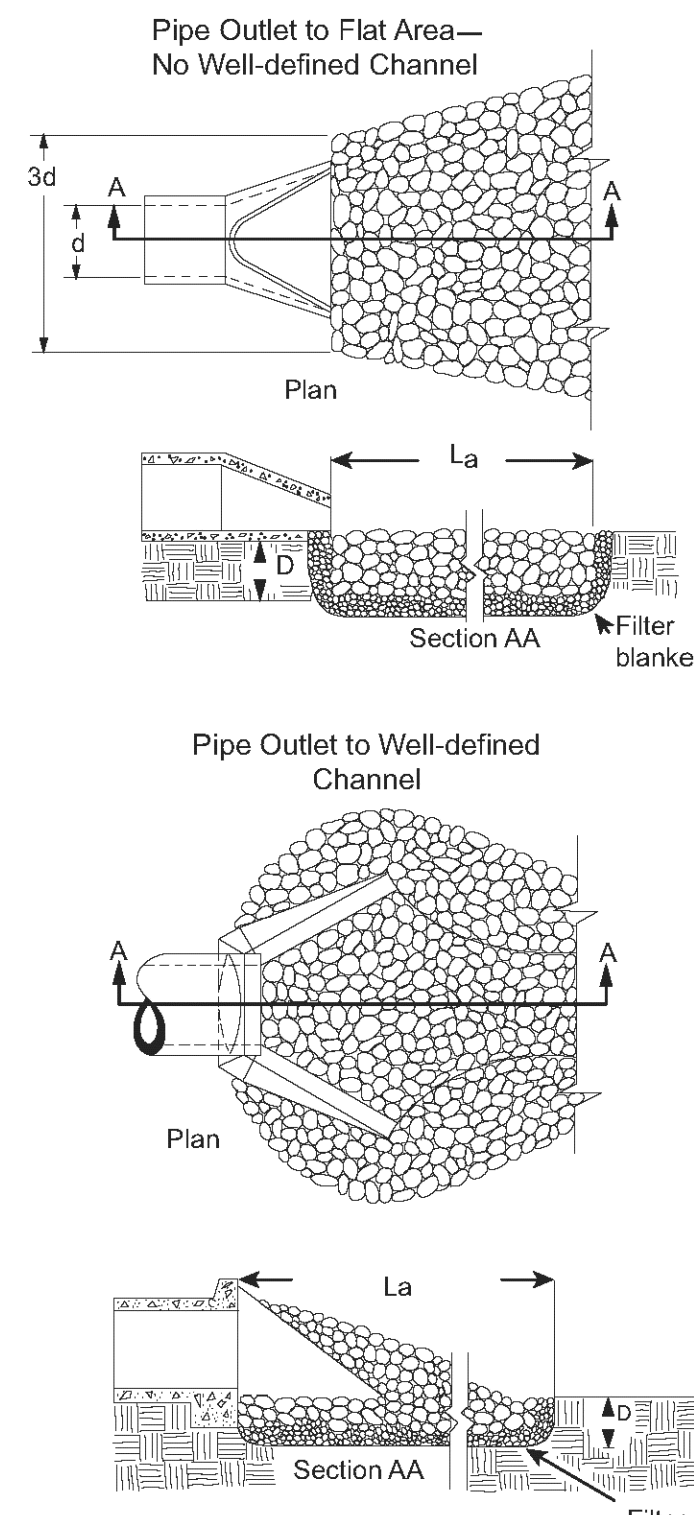
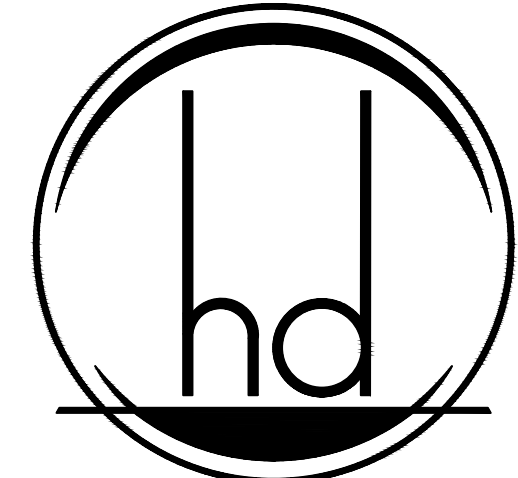


Figure 6-24.3 - Riprap Outlet Protection (Modified From Va SWCC)

GaSWCC (Amended - 2000)

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24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



HEREFORD • DOOLEY
ARCHITECTS

11 LEA AVENUE • SUITE 601
NASHVILLE • TENNESSEE • 37210
P • 615 • 244 • 7399
F • 615 • 244 • 6697
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CLIENT #2828000002

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CONSTRUCTION
DOCUMENTS



William E. Hereford, III
AR # 96247

02/23/2026



DATES OF ISSUANCE

SWPPP DETAILS

SHEET

C510

Sediment Barrier



DEFINITION

Sediment barriers are temporary structures typically constructed of silt fence supported by steel or wood posts. Other types of barriers may include sandbags, straw bales, brush piles or other filtering material.

PURPOSE

To prevent sediment carried by sheet flow from leaving the site and entering natural drainage ways or storm drainage system by slowing storm water runoff and causing the deposition of sediment at the structure.

CONDITIONS

Barriers should be installed where runoff can be stored behind the barrier without damaging the fence or the submerged area behind the fence.

Silt fence shall not be installed across streams, ditches, waterways, or other concentrated flow areas.

DESIGN CRITERIA

HAY OR STRAW BALES

Hay or straw bales retain sediment load transported by sheet flow from disturbed areas. The bales, comparatively low flow rate should be considered when choosing the appropriate sediment barrier. Ponding above the bale can occur rapidly. The slope lengths contributing runoff to a bale barrier cannot exceed those listed in Table 6-20.1. Straw and hay bales shall not be used if the project duration is expected to exceed three months.

Table 6-20.1. Criteria For Straw or Hay Bale Placement

Land Slope Percent	Maximum Slope Length Above Fence Feet
<2	75
2 to 5	50
5 to 10	35
10 to 20	20
>20	10

SILT FENCE

Like hay or straw bales, silt fence is designed to retain sediment transported by sheet flow from disturbed areas. Silt fence performs the same function as hay or straw bales, allows a higher flow rate, and is usually faster and cheaper to install. Approved silt fence fabrics are listed in the Georgia Department of Transportation Qualified Products List (QPL-36). See Table 6-20.5 for current Georgia DOT silt fence specifications.

Where all runoff is to be stored behind the fence (where no stormwater disposal system is present), maximum slope length behind a silt fence shall not exceed those shown in Table 6-20.2. The drainage area shall not exceed 1/4 acre for every 100 feet of silt fence.

Table 6-20.2. Criteria For Silt Fence Placement

Land Slope Percent	Maximum Slope Length Above Fence Feet
<2	100
2 to 5	75
5 to 10	50
10 to 20	25
>20*	15

*In areas where the slope is greater than 20%, a flat area length of 10 feet between the toe of the slope to the fence should be provided.

Type A Silt Fence

This 36-inch wide filter fabric shall be used on developments where the life of the project is greater than or equal to six months.

Type B Silt Fence

Though only 22-inches wide, this filter fabric allows the same flow rate as Type A silt fence. Type B silt fence shall be limited to use on minor projects, such as residential home sites or small commercial developments where permanent stabilization will be achieved in less than six months.

Type C Silt Fence

Type C fence is 36-inches wide with wire reinforcement. The wire reinforcement is necessary because this fabric allows almost three times the flow rate as Type A silt fence. Type C silt fence shall be used where runoff flows or velocities are particularly high or where slopes exceed a vertical height of 10 feet.

Provide a riprap splash pad or other outlet protection device for any point where flow may top the sediment fence. Ensure that the maximum height of the fence at a protected, reinforced outlet does not exceed 1 ft. and that support post spacing does not exceed 4 ft.

CONSTRUCTION SPECIFICATIONS

Sandbags

(If approved by local issuing authority)

Should be installed so that flow under or between bags is minimal. Anchoring with steel rods may be required if structure height exceeds two bags.

Hay or Straw Bales

(If approved by local issuing authority)

Bales will be placed in a single row, lengthwise, on the contour and embedded in the soil to a depth of 4 inches. Bales must be securely anchored in place by stakes or bars driven through the bales or by other acceptable means to prevent displacement. See Figures 6-20.1 and 6-20.2 for installation requirements.

Brush Barrier

(only during timber clearing operations)

Brush obtained from clearing and grubbing operations may be piled in a row along the perimeter of disturbance at the time of clearing and grubbing. Brush barriers should not be used in developed areas or locations where aesthetics are a concern.

Brush should be wind-rowed on the contour as nearly as possible and may require compaction. Construction equipment may be utilized to satisfy this requirement.

The minimum base width of the brush barrier shall be 5 feet and should be no wider than 10 feet. The height of the brush barrier should be between 3 and 5 feet.

If a greater filtering capacity is required, a commercially available filter fabric may be placed on the side of the brush barrier receiving the sediment-laden runoff. The lower edge of the fabric must be buried in a 6-inch deep trench immediately uphill from the barrier. The upper edge must be stapled, tied or otherwise fastened to the brush barrier. Edges of adjacent fabric pieces must overlap each other. See Figure 6-20.3.

Silt Fence

The manufacturer shall have either an approved color mark yarn in the fabric or label the fabricated silt fence with both the manufacturer and fabric name every 100 feet.

The temporary silt fence shall be installed according to this specification, as shown on the plans or as directed by the engineer. For installation of the fabric, see Figures 6-20.4, 6-20.5, and 6-20.6 respectively.

Post installation shall start at the center of the low-point (if applicable) with remaining posts spaced 6 feet apart for Type A and B silt fences and 4 feet apart for Type C silt fence. While Type A and B silt fences can be used with both wood and steel posts, only steel posts shall be used with Type C silt fence. For post size requirements, see Table 6-20.3. Fasteners for wood posts are listed in Table 6-20.4.

Along stream buffers and other sensitive areas, two rows of Type C silt fence or one row of Type C silt fence backed by haybales shall be used.

MAINTENANCE

Sediment shall be removed once it has accumulated to one-half the original height of the barrier. Filter fabric shall be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months). Temporary sediment barriers shall remain in place until disturbed areas have been permanently stabilized. All sediment accumulated at the barrier shall be removed and properly disposed of before the barrier is removed.

Table 6-20.3. Post Size

	Minimum Length	Type of Post	Size of Post
Type A	4'	Soft wood Oak Steel	3" dia. or 2x4 1.5" x 1.5" 1.3lb./ft. min.
Type B	3'	Soft wood Oak Steel	2" dia. or 2x2 1" x 1" .75lb./ft. min.
Type C	4'	Steel	1.3lb./ft. min.

Table 6-20.4. Fasteners For Wood Posts

	Gauge	Crown	Legs	Staples/Post
Wire Staples	17 min.	3/4" wide	1/2" long	5 min.
	Gauge	Length	Button Heads	Nail/Post
Nails	14 min.	1"	3/4"	4 min.

Note: Filter fabric may also be attached to the post by wire, cord, and pockets.

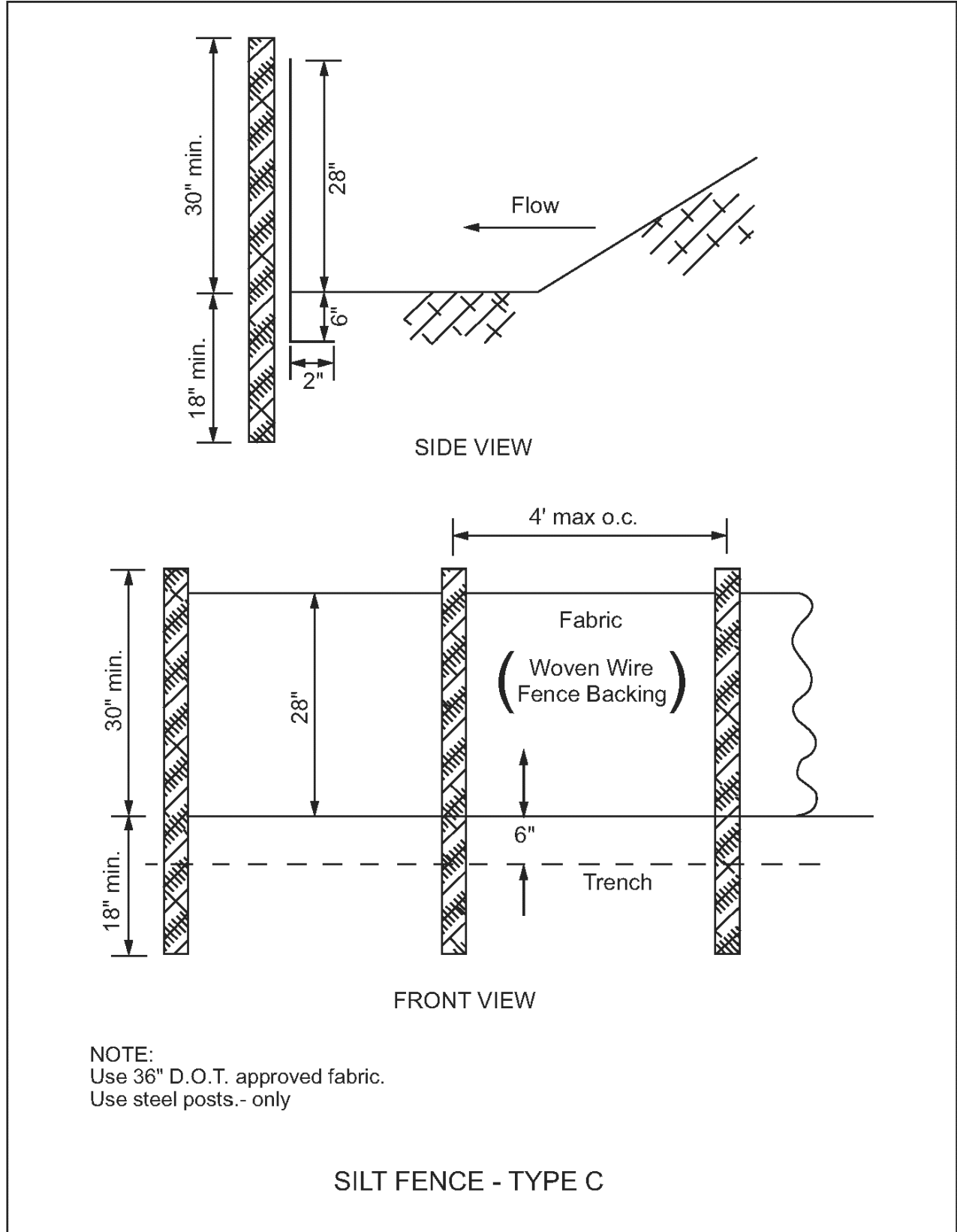


Figure 6-20.6

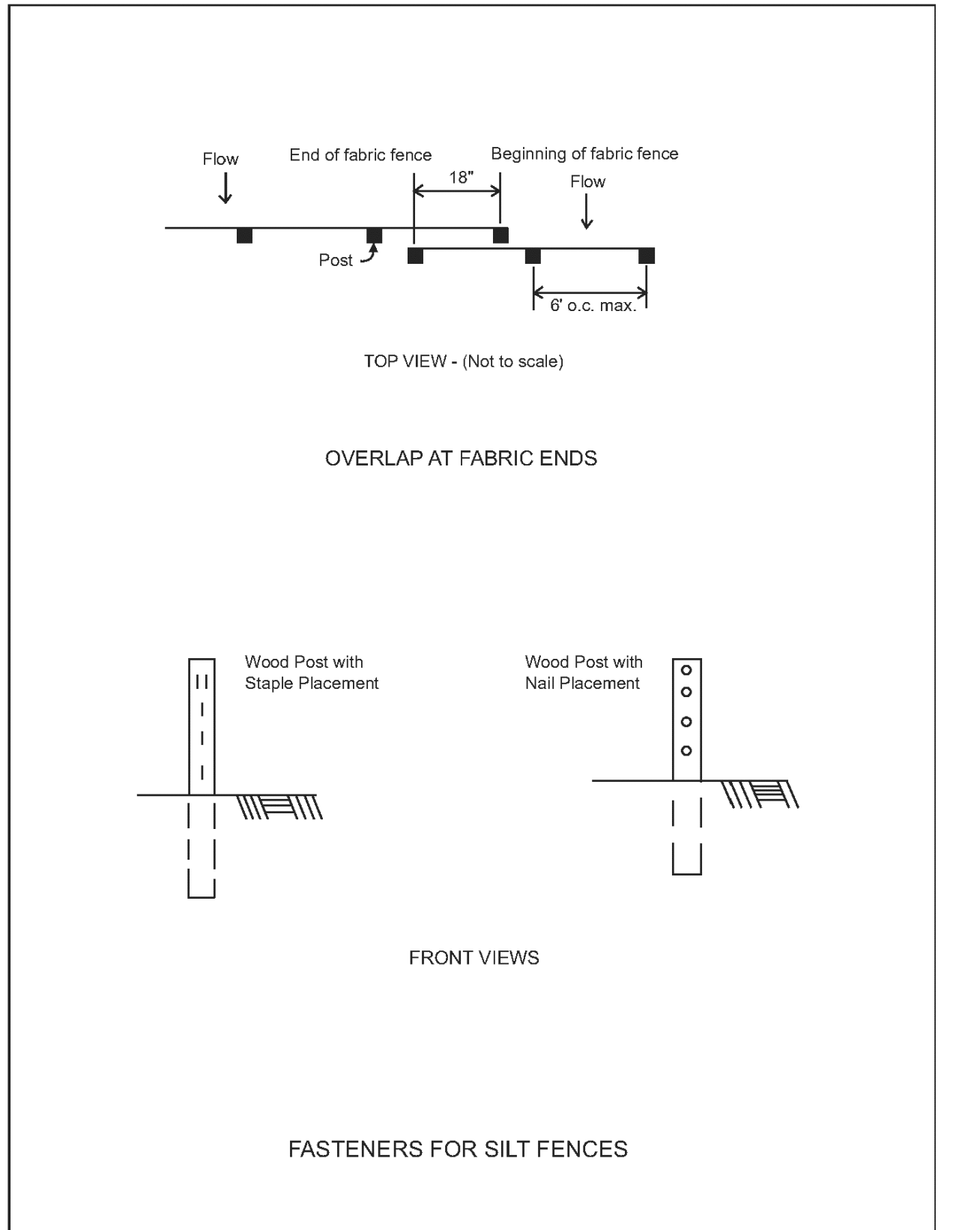


Figure 6-20.7

TOPSOILING

DEFINITION

STRIPPING OFF THE MORE FERTILE TOP SOIL, STORING IT, THEN SPREADING IT OVER THE DISTURBED AREA AFTER COMPLETION OF CONSTRUCTION ACTIVITIES

PURPOSE

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH ON AREAS WHERE OTHER MEASURES WILL NOT PRODUCE OR MAINTAIN A DESIRABLE STAND.

CONDITIONS

THIS PRACTICE IS RECOMMENDED FOR SITES OF 2:1 OR FLATTER SLOPES WHERE:
1. THE TEXTURE OF THE EXPOSED SUBSOIL OR PARENT MATERIAL IS NOT SUITABLE TO PRODUCE ADEQUATE VEGETATIVE GROWTH.
2. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS WITH CONTINUING SUPPLIES OF MOISTURE AND FOOD.
3. THE SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.

CONSTRUCTION SPECIFICATIONS

MATERIALS
TOPSOIL SHOULD BE FRIABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A PH RANGE OF 5.0-7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT EXCEED 500 PPM.

TESTING

FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER THE QUANTITY AND QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.

STRIPPING

STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. A 4 TO 6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.

TOPSOIL PH

IF PH VALUE IS LESS THAN 6.0, LIME SHALL BE APPLIED AND INCORPORATED WITH THE TOPSOIL TO ADJUST THE PH TO 6.5 OR HIGHER. TOPSOILS CONTAINING SOLUBLE SALTS GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.

STOCKPILES

THE LOCATION OBSTRUCT NATURAL MENTAL DAMAGE.
OF TOPSOIL STOCKPILES SHOULD NOT DAMAGE OR CAUSE OFF-SITE ENVIRON.

STABILIZATION

STOCKPILES SHALL BE CONTAINED BY SEDIMENT BARRIERS TO PREVENT SEDIMENTATION ON ADJACENT AREAS. STOCKPILES SHALL BE STABILIZED IN ACCORDANCE WITH SPECIFICATIONS Ds1 AND Ds2 - DISTURBED AREA STABILIZATION (WITH MULCHING) AND (WITH TEMPORARY GRASSING), RESPECTIVELY, OR PM-POLYACRYLAMIDE OR TB-TACKIFIERS AND BINDERS.

SITE PREPARATION (WHERE TOPSOIL IS TO BE ADDED)

TOPSOILING WHEN TOPSOILING, MAINTAIN NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, DIKES, LEVEL SPREADERS, WATERWAYS, SEDIMENT BASINS, ETC.

GRADING GRADES ON THE AREAS TO BE TOPSOILED WHICH HAVE BEEN PREVIOUSLY ESTABLISHED SHALL BE MAINTAINED. LIME SOIL TESTS SHOULD BE USED TO DETERMINE THE PH OF THE SOIL. WHERE THE PH OF THE SUBSOIL IS 5.0 OR LESS OR COMPOSED OF HEAVY CLAYS, AGRICULTURAL LIMESTONE (DRY) SHALL BE SPREAD AT THE RATE OF 2 TONS PER 1 ACRE. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURE.

BONDING USE ONE OF THE FOLLOWING METHODS TO INSURE BONDING OF TOPSOIL AND SUBSOIL:

1. TILLING. AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO DUMPING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENEED BY DISCING OR SCARIFYING TO A DEPTH OF AT LEAST 3 INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SUBSOIL.
2. TRACKING. PASSING A BULLDOZER OVER THE ENTIRE SURFACE AREA OF THE SLOPE TO LEAVE HORIZONTAL DEPRESSIONS.

APPLYING TOPSOIL

1. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE.
2. A UNIFORM APPLICATION OF 5 INCHES (UNSETTLED) IS RECOMMENDED, BUT MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER OR LANDSCAPE ARCHITECT.

CUBIC YARDS OF TOPSOIL REQUIRED FOR APPLICATION TO VARIOUS DEPTHS

DEPTH (INCHES)	PER 1,000 SQUARE FEET	PER ACRE
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806

TABLE 6-26.1

VEGETATION REQUIREMENTS

CONTRACTOR PROPOSES TO MOVE DIRECTLY FROM Ds1 OR Mb TO FINAL PERMANENT VEGETATION Ds3.

DUST CONTROL ON DISTURBED AREAS

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 AND REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH 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.

METHODS AND MATERIALS

A. TEMPORARY METHODS

MULCHES: SEE STANDARD Ds1 - DISTURBED AREA STABILIZING (WITH MULCHES ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIALS. RESINS SUCH AS CURASOL OR TERRACK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATION.
VEGETATIVE COVER: SEE STANDARD Ds2 - DISTURBED AREA STABILIZATION (TEMPORARY SEEDING).
SPRAY ON ADHESIVE: THESE ARE USED IN MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.
TILLAGE: THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLOUDS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE.
CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART. SPRING-TOOTHED HARROWS AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECTS.
IRRIGATION: THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.
BARRIERS: SOLID BOARD FENCES, SNOWFENCES, BURIAL FENCES, CRATE WALL BALES OF HAY AND SIMILAR MATERIALS CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

B. PERMANENT METHODS

PERMANENT VEGETATION: SEE STANDARD Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
TOPSOILING: THIS ENTAILS COVERING THE SURFACE WITH LESS EROSION SOIL MATERIAL.
STONE: COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

Slope Stabilization



DEFINITION

A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

PURPOSE

To provide a cover layer that stabilizes the soil and acts as a rain drop impact dissipater while providing a microclimate that protects young vegetation and promotes its establishment. If using slope stabilization to reinforce channels, please refer to specification, Ch-Channel Stabilization.

CONDITIONS

Slope stabilization can be applied to flat areas or slopes where the erosion hazard is high and slope protection is needed during the establishment of vegetation.
PLANNING CONSIDERATIONS
Care must be taken to choose the type of slope stabilization product that is most appropriate for the specific needs of a project. Two general types of slope stabilization products are discussed within this specification.

Roller Erosion Control Products (RECP)

A natural fiber blanket with single or double photodegradable or biodegradable nets.

Hydraulic Erosion Control Products (HECP)

HECP shall utilize straw, cotton, wood or other natural based fibers held together by a soil binding agent that works to stabilize soil particles. Paper mulch should not be used for erosion control.

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Disturbed Area Stabilization (With Permanent Vegetation)



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 downstream 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, at least 70% of the soil surface is uniformly covered in permanent vegetation or equivalent permanent stabilization measures (such as the use of rip rap, gabions, permanent mulches or geotextiles) have been employed. Permanent vegetation shall consist of planted trees, shrubs, perennial vines, a crop of perennial vegetation appropriate for the region, such

that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For final construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas.

PLANNING CONSIDERATIONS

1. Use conventional planting methods where possible.
2. When mixed plantings are done during marginal planting periods, companion crops shall be used.
3. No till planting is effective when planting is done following a summer or winter annual cover crop. Serious lespedeza planted to till into stands of rye is an excellent procedure.
4. Black seed provides immediate cover. It is especially effective in controlling erosion adjacent to concrete flumes and other structures. Refer to Specification Ds4-Disturbed Area Stabilization (With Sodding).
5. Irrigation should be used when the soil is dry or when summer plantings are done.
6. Low maintenance plants, as well as natives, should be used to ensure long-lasting erosion control.
7. Mowing should not be performed during the quail nesting season (May to September).
8. Wildlife plantings should be included in critical area plantings.

Wildlife Plantings

Commercially available plants beneficial to wildlife species include the following:

Least Bearing Trees

Beech, Black Cherry, Blackgum, Chestnut, Chickadee, Hackberry, Hickory, Honey Locust, Native Oak, Persimmon, Sawtooth Oak and Sweetgum.

All trees that produce nuts or fruits are favored by many game species. Hickory provides nuts used mainly by squirrels and bear.

DISTURBED AREA STABILIZATION (W/ MULCHING ONLY)

DEFINITION

APPLYING PLANT RESIDUE OR OTHER SUITABLE MATERIALS, PRODUCED ON THE SITE IF POSSIBLE, TO THE SOIL SURFACE.

PURPOSE

- TO REDUCE RUNOFF EROSION
- TO CONSERVE MOISTURE
- TO PREVENT SURFACE COMPACTION OR CRUSTING
- TO CONTROL UNDESIRABLE VEGETATION
- TO MODIFY SOIL TEMPERATURE
- TO ONCREASE BIOLOGICAL ACTIVITY IN THE SOIL

REQUIREMENTS

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 6 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 OF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN 6 MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN 6 MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED. REFER TO Ds2 - DISTURBED 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 SEEDING MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE STABILIZED WITH 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 COMPACTED SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCH MATERIALS

SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:

1. DRY STRAW OF 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, SAW DUST OR BARK) SHALL BE APPLIED TO 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. CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR 14 GALLON PER SQ. YD.)
4. POLYETHYLENE FOAM SHALL BE SECURED OVER BANKS OR STOCKPILED MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND RE-USED.

APPLYING MULCH

WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TP 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. CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OR "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.
4. APPLY POLYETHYLENE FILM TO EXPOSED AREA.

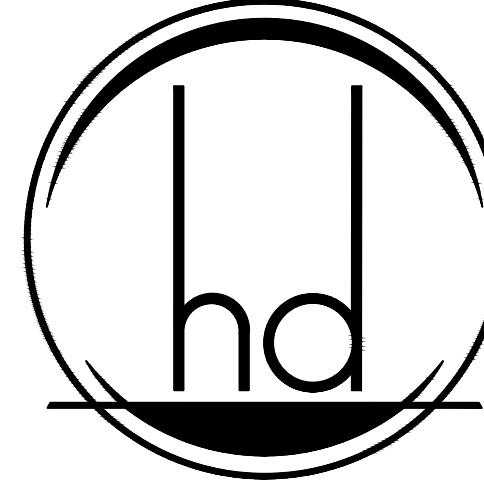
ANCHORING MULCH

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 INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.

2. STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE A-E OR SS-1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION TB-TACKIFIERS AND BINDERS. 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 FOAM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.



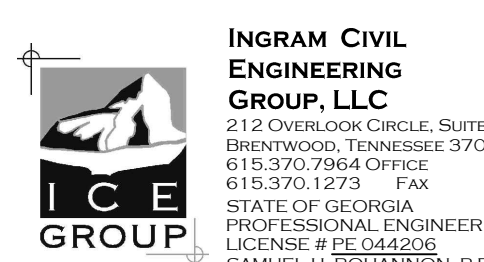
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POOLER FSER

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William E. Hereford, III
AR # 96247

02/23/2026

24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



Sam H Bohannon
Level II Certified Design Professional

CERTIFICATION NUMBER 000090104
ISSUED: 01/10/2026 EXPIRES: 01/10/2029

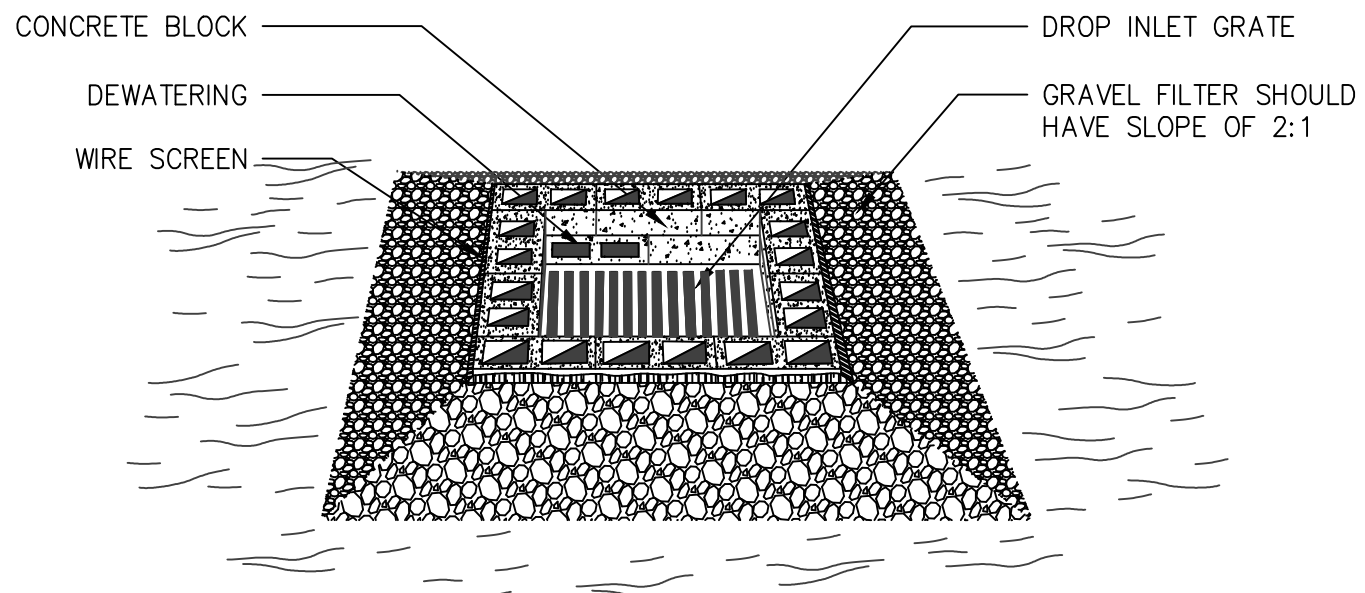
SWPPP DETAILS

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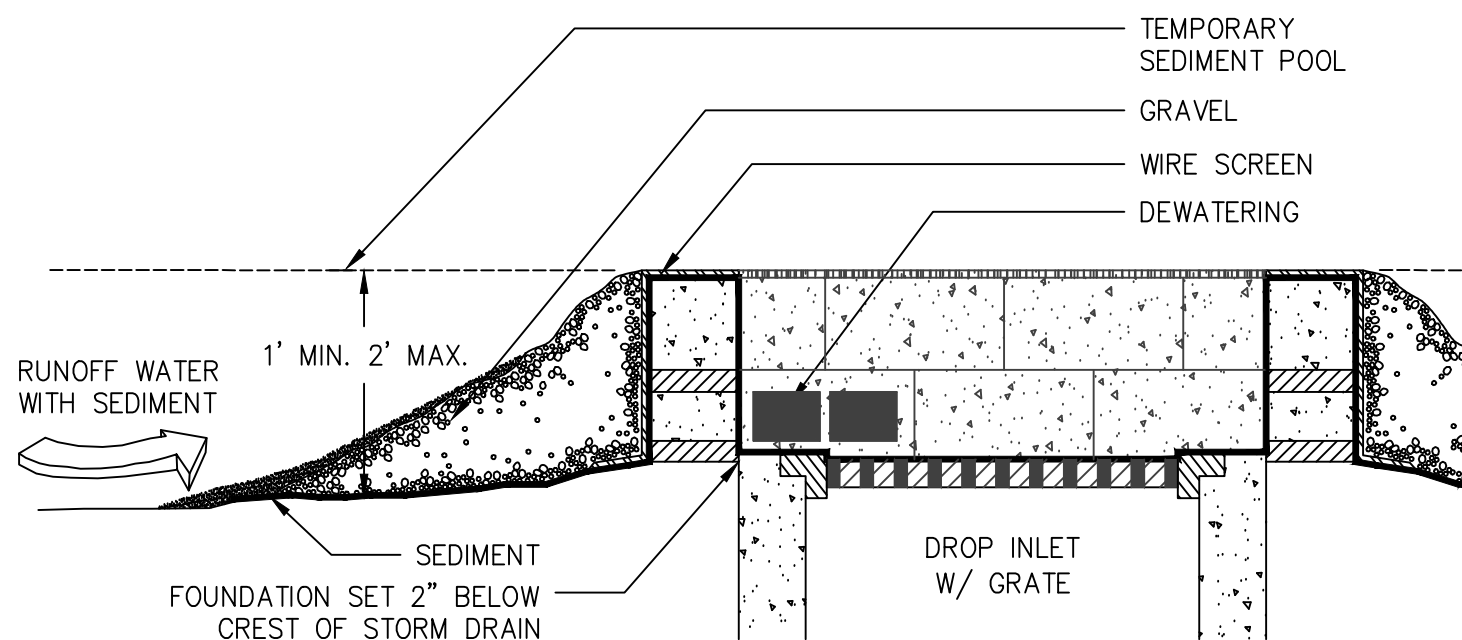
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BLOCK AND GRAVEL DROP INLET PROTECTION

BLOCK AND GRAVEL PERSPECTIVE



BLOCK AND GRAVEL SECTION

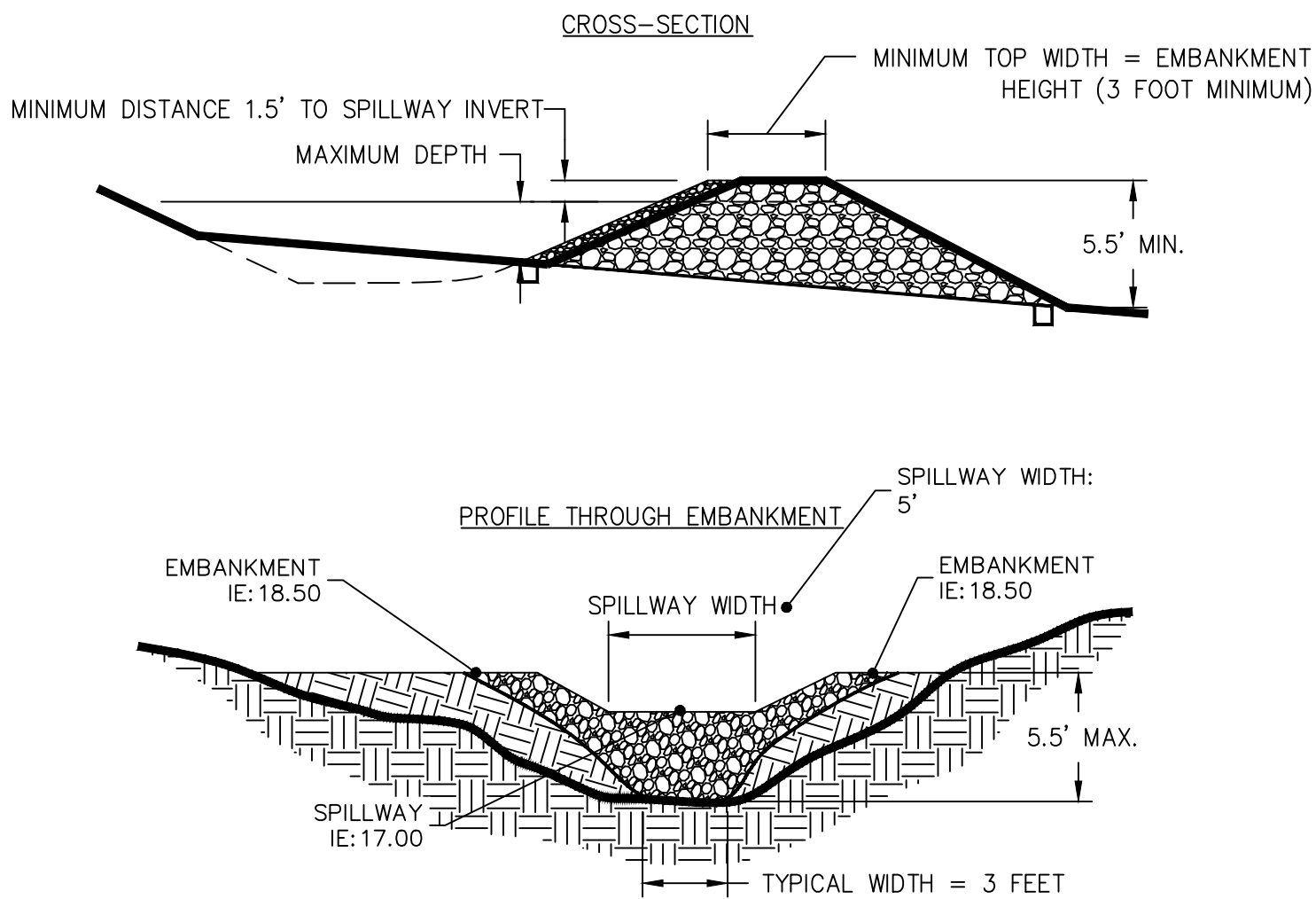
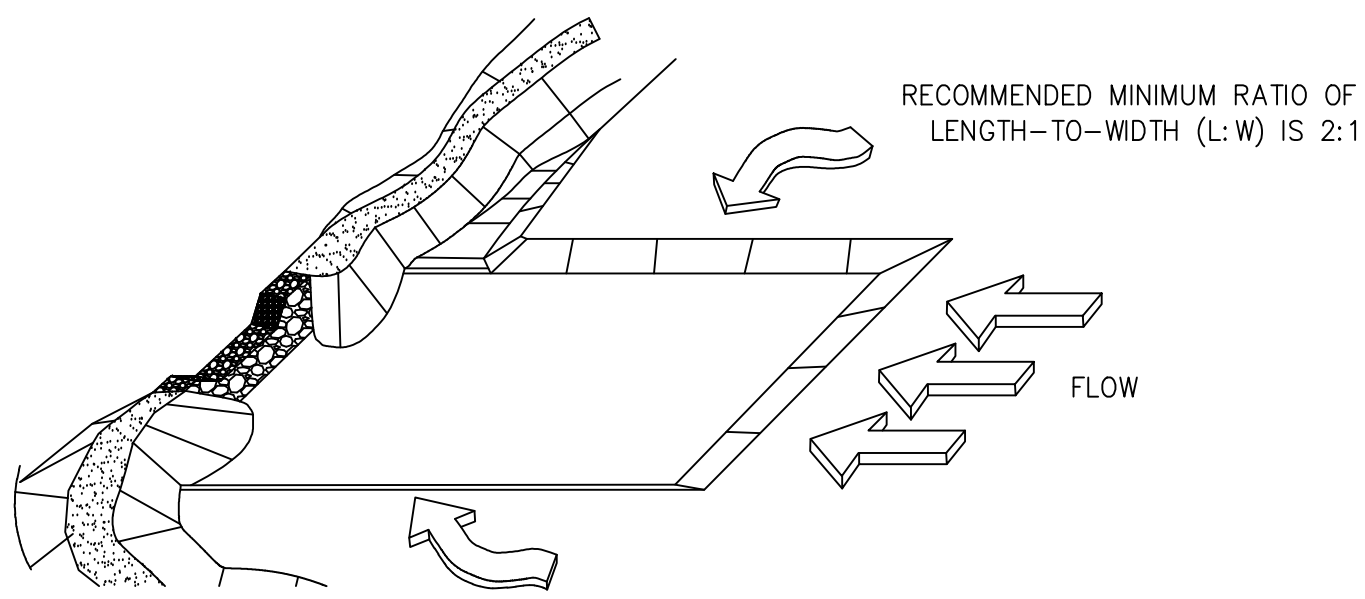


- NOTE:
1. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS SHALL BE FITTED OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
 2. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. THE FIRST ROW OF BLOCKS WILL BE PLACED HERE FOR LATERAL SUPPORT.
 3. ONE BLOCK (AS SHOWN) IS TO BE PLACED ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW FOR POOL DRAINAGE.

Sd2-Bg

TEMPORARY SEDIMENT TRAP

COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT
ROCK OUTLET



Sd4

POLYACRYLAMIDE (PAM)

Pm

Definition

An anionic polymer available in dry powder, emulsions and gel bars or logs.

Purpose

Used as a temporary soil-binding agent on construction sites and agricultural areas to reduce wind and/or water erosion on soil surfaces. Powder form is also added to hydromulch applications to serve as a fiber binder. Product serves as a colloidal flocculant in ditches that drain into ponds and as a water clarifier in sediment ponds.

State Requirements

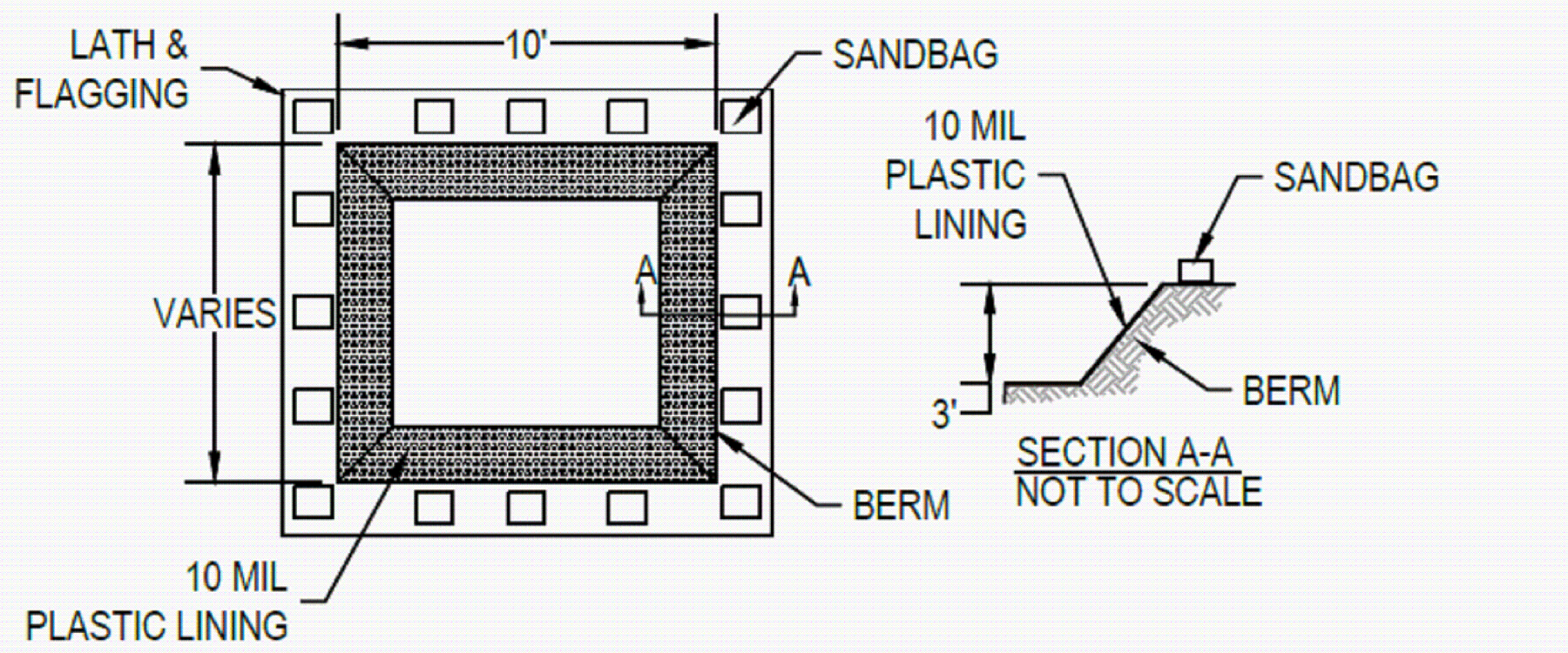
- Reference: Manual for Erosion and Sediment Control in Georgia, Fifth Edition, 2000
- Only GA-DOT approved anionic form of PAM shall be used, and none shall be applied within the buffer zone bordering the stream. Anionic PAM must comply with all federal, state, and local laws rules or regulations governing anionic PAM. This standard does not contain the text of the federal, state or local laws governing anionic PAM. Cationic PAM is toxic and shall not be used.
- PAM and PAM mixtures shall be environmentally benign harmless to fish, wildlife, and plants. PAM and PAM mixtures shall be non-combustible.
- The operator is responsible for securing required permits. The application concentration shall not exceed the vender's specifications, and not exceed 200 pounds in pure form per acre per year.

Site Specifications - Design

- All exposed soil areas, disturbed for more than 14 days may receive applications of PAM in lieu of Disturbed Area Stabilization, with Mulch Only (Ds1) over a period not to exceed a period of six months if used without other BMPs. Areas just upslope from berms and sediment barriers will benefit from the application of PAM.
- The use of seed and mulch for additional erosion protection beyond the life of the anionic PAM is recommended.
- Use set-backs when applying anionic PAM near natural water bodies.
- Decreased performance can occur over time due to ultra-violet light and time after mixing.
- Application of specific products and quantity per acre shall follow vender's recommendations.

Site Specifications - Application

- Uniform coverage is required. On irregular-shaped surfaces a split application may be required, one from a lower position and one from a higher position. The contractor is cautioned not to apply excessive polyacrylamide.
- Polyacrylamide shall be applied at a minimum of 48 hours in advance of rainfall events, and not applied until after 48 hours after any rainfall event.



CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. THE CONCRETE WASHOUT AREA SHALL BE PREPARED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE. WHEN THE CONCRETE WASHOUT IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN AN APPROPRIATE MANNER.

E1 CONCRETE WASHOUT

NTS

Sediment Barrier

Sd1



DEFINITION

Sediment barriers are temporary structures typically constructed of silt fence supported by steel or wood posts. Other types of barriers may include sandbags, straw bales, brush piles or other filtering material.

PURPOSE

To prevent sediment carried by sheet flow from leaving the site and entering natural drainage ways or storm drainage system by slowing storm water runoff and causing the deposition of sediment at the structure.

CONDITIONS

Barriers should be installed where runoff can be stored behind the barrier without damaging the fence or the submerged area behind the fence.

Silt fence shall not be installed across streams, ditches, waterways, or other concentrated flow areas.

DESIGN CRITERIA

HAY OR STRAW BALES

Hay or straw bales retain sediment load transported by sheet flow from disturbed areas. The bales comparatively low flow rate should be considered when choosing the appropriate sediment barrier. Ponding above the bale can occur rapidly. The slope lengths contributing runoff to a bale barrier cannot exceed those listed in Table 6-20.1. Straw and hay bales shall not be used if the project duration is expected to exceed three months.

Table 6-20.1. Criteria For Straw or Hay Bale Placement

Land Slope Percent	Maximum Slope Length Above Bale Feet
	Feet
<2	75
2 to 5	50
5 to 10	35
10 to 20	20
>20	10

SILT FENCE

Like hay or straw bales, silt fence is designed to retain sediment transported by sheet flow from disturbed areas. Silt fence performs the same function as hay or straw bales, allows a higher flow rate, and is usually faster and cheaper to install. Approved silt fence fabrics are listed in the Georgia Department of Transportation Qualified Products List #96 (QPL-96). See Table 6-20.5 for current Georgia DOT silt fence specifications.

Where all runoff is to be stored behind the fence (where no stormwater disposal system is present), maximum slope length behind a silt fence shall not exceed those shown in Table 6-20.2. The drainage area shall not exceed 1/4 acre for every 100 feet of silt fence.

Table 6-20.2. Criteria For Silt Fence Placement

Land Slope Percent	Maximum Slope Length Above Fence Feet
	Feet
<2	100
2 to 5	75
5 to 10	50
10 to 20	25
>20*	15

*In areas where the slope is greater than 20%, a flat area length of 10 feet between the toe of the slope to the fence should be provided.

Type A Silt Fence

Sd1-A

This 36-inch wide filter fabric shall be used on developments where the life of the project is greater than or equal to six months.

Vegetated Waterway or Stormwater Conveyance Channel

Wt



DEFINITION

A natural or constructed channel that is shaped or graded to required dimensions and established in suitable vegetation for the stable conveyance of runoff.

PURPOSE

To dispose of runoff without causing damage either by erosion or by flooding.

CONDITIONS

This standard applies to all sites where added channel capacity and/or stabilization is required to control erosion resulting from concentrated runoff and where such control can be achieved by this practice alone or in combination with others.

DESIGN CRITERIA

Capacity

The minimum capacity shall be that required to convey the peak runoff expected from a 25-year, 24-hour storm or the storm specified in Title 12-7-1 of the Official Code of Georgia Annotated. Peak runoff values used in determining the capacity requirements shall be as outlined in Appendix A or by other accepted methods.

The design of a waterway is based on the determination of channel dimensions that will carry the estimated flow without damage to the channel or its lining. Vegetative linings vary in their protective ability according to type and density. Therefore, safe velocities under various conditions are a matter for careful consideration.

Velocity

In designing grassed waterways, care must be taken to ensure that the design velocity is well within the limits of permissible velocities given in Table 6-27.1. These values apply to uniform good stands of each type of cover.

Cross Section

The minimum design capacity of a waterway receiving water from developing areas, diversions, or other tributary channels shall be that depth required to keep the design water surface elevation in the channel to prevent overflow.

The bottom width of waterways or outlets shall not exceed 50 feet unless multiple or divided waterways or other means are provided to control meandering of low flows within this limit. See Figure 6-27.1.

Drainage

Tile or other suitable subsurface drainage measures shall be provided for sites having high water tables or seepage problems. Where there is base flow, a stone center or lined channel will be required. See Appendix C for rock riprap specifications.

Stone Center

Stone center waterways shall be constructed as shown in Figure 6-27.2 and Table 6-27.2 and stabilized with riprap according to the specification **Riprap - Appendix C**.

Geotextiles should be used as an erosion control measure beneath the riprap center. The geotextile shall be specified in accordance with AASHTO M288-96 Section 7.5, **Permanent Erosion Control Requirements**.

Vegetative Retardance Factor

The design of a vegetated waterway is more complicated than for a bare channel since the value for "n" varies where grass linings are used. Tests show that vegetation tends to bend and oscillate under the influence of velocity and depth of flow. Thus the retardance to flow varies as these factors change.

Five general retardance curves designated as A, B, C, D, and E have been developed for various cover conditions. The vegetated conditions under which the various retardance values apply in Georgia are shown in Table 6-27.1. These cover classifications are based on tests in experimental channels when the covers were green and generally uniform.

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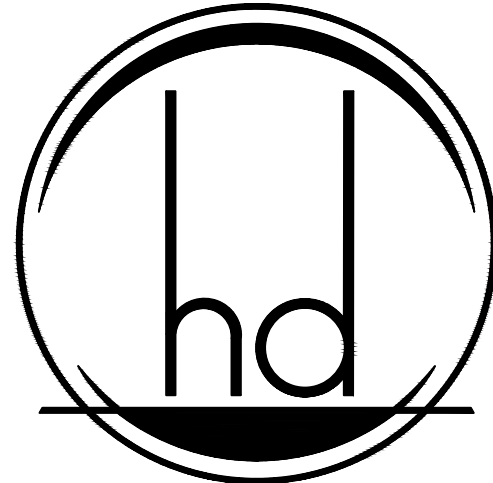
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GeSWCC (Amended - 2000)

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24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



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POOLER FSER

CONSTRUCTION
DOCUMENTS

STATUS

TITLE

SHEET

△

DATES OF ISSUANCE

SWPPP DETAILS

C512



William E. Hereford, III
AR # 96247

02/23/2026

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Table 6-4.1 - Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS ¹

Species	Broadcast Rates		Resource Area ²	Planting Dates by Resource Area												Remarks
	<i>Pure Live Seed (PLS) Per 1000 sqft</i> <i>Rate Per Acre³</i>			<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
BARLEY <i>Hordeum vulgare</i>																
alone	3 bu. (144 lbs)	3.3 lbs	M-L													14,000 seed per pound. Winter hardy. Use on productive soils.
in mixture	1/2 bu. (24lbs)	0.6 lb	P C													
LESPEDEZA, ANNUAL <i>Lespedeza striata</i>																
alone	40 lbs	0.9 lb	M-L													200,000 seed per pound. May volunteer for several years. Use inoculant EL.
in mixture	10 lbs	0.2 lb	P C													
LOVEGRASS, WEEPING <i>Eragrostis curvula</i>																
alone	4 lbs	0.1 lb	M-L													1,500,000 seed per pound. May last for several years. Mix with <i>Sericea lespe-deza</i> .
in mixture	2 lbs	0.05 lb	P C													
MILLET, BROWNTOP <i>Panicum fasciculatum</i>																
alone	40 lbs	0.9 lb	M-L													137,000 seed per pound. Quick dense cover. Will provide excessive competition in mixtures if seeded at high rate.
in mixture	10 lbs	0.2 lb	P C													

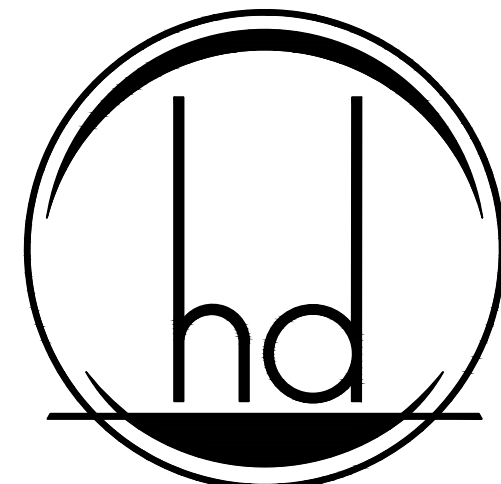
Species	Broadcast Rates		Resource Area ²	Planting Dates by Resource Area												Remarks
	<i>Pure Live Seed (PLS) Per 1000 sqft</i> <i>Rate Per Acre³</i>			<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
MILLET, PEARL <i>Pennisetum glaucum</i>																
alone	50 lbs	1.1 lbs	M-L P C													88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS <i>Avena sativa</i>																
alone	4 bu. (128 lbs)	2.9 lbs	M-L													13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
in mixture	1 bu. (32 lbs)	0.7 lb	P C													
RYE <i>Sitona cereale</i>																
alone	3 bu. (168 lbs)	3.9 lbs	M-L													18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
in mixture	1/2 bu. (28 lbs)	0.6 lb	P C													
RYEGRASS, ANNUAL <i>Lolium temulentum</i>																
alone	40 lbs	0.9 lb	M-L P C													227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
SUDANGRASS <i>Sorghum sudanese</i>																
alone	60 lbs	1.4 lbs	M-L P C													55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.

Species	Broadcast Rates		Resource Area ²	Planting Dates by Resource Area												Remarks
	<i>Pure Live Seed (PLS) Per 1000 sqft</i> <i>Rate Per Acre³</i>			<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
TRITICALE <i>X-Triticosecal</i>																
alone	3 bu. (144 lbs)	3.3 lbs	C													Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
in mixture	1/2 bu. (24 lbs)	0.6 lb														
WHEAT <i>Triticum aestivum</i>																
alone	3 bu. (180 lbs)	4.1 lbs	M-L P C													15,000 seed per pound. Winter hardy.
in mixture	1/2 bu. (30 lbs)	0.7 lb														

¹Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily
²Reduce seeding rates by 50% when drilled.
³M-L represents the Mountain, Blue Ridge, and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs
(see Figure 6-4.1, p. 6-40)

LIME RATE: 1 TON
PER ACRE

Ds2



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SWPPP DETAILS

C513



William E. Hereford, III
AR # 96247

02/23/2026

24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



CERTIFICATION NUMBER 0000090104
ISSUED: 01/10/2026 EXPIRES: 01/10/2029

Table 6-5.1. Fertilizer Requirements				
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/2/
	Second	6-12-12	1000 lbs./ac.	30
	Maintenance	10-10-10	400 lbs./ac.	—
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.	30 lbs./ac.
	Maintenance	10-10-10	400 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.

LIME RATE: 1-2
TONS PER ACRE

Ds3

6-93

GSWCC (Amended - 2013)

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER ¹

Species	Broadcast Rates		Resource Area ²	Planting Dates by Resource Area												Remarks
	<i>Pure Live Seed (PLS) Rate Per Acre³ Per 1000 sqft</i>			<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PENSACOLA <i>Paspalum notatum</i>																
alone or with temporary cover	60 lbs	1.4 lbs	P													166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and awns. Mix with <i>Sericea lespe-deza</i> or weeping lovegrass.
with other perennials	30 lbs	0.7 lb	C													
BAHIA, WILMINGTON <i>Paspalum notatum</i>																
alone or with temporary cover	60 lbs	1.4 lb	M-L													Same as above.
with other perennials	30 lbs	0.7 lb	P													
BERMUDA, COMMON <i>Cynodon dactylon</i>																
Hulled seed alone	10 lbs	0.2 lb	P C													1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.
with other perennials	6 lbs	0.7 lb														
BERMUDA, COMMON <i>Cynodon dactylon</i>																
Unhulled seed	10 lbs	0.2 lb	P													Plant with winter annuals.
with temporary cover	10 lbs	0.2 lb	P													
with other perennials	6 lbs	0.1 lb	C													Plant with Tall Fescue

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER ¹

Species	Broadcast Rates		Resource Area ²	Planting Dates by Resource Area												Remarks
	<i>Pure Live Seed (PLS) Rate Per Acre³ Per 1000 sqft</i>			<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
FESCUE, TALL <i>Festuca arundinacea</i>																
alone	50 lbs	1.1 lb	M-L													227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs	0.7 lb	P													
KUDZU <i>Pueraria thumbergia</i>																
Plants or crowns	3" - 7" apart		ALL													Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
LESPEDEZA SERICEA <i>Lespedeza cuneata</i>																
scarified	60 lbs	1.4 lb	M-L P C													350,000 seed per pound. Widely adapted. Low maintenance. Mix with Weeping lovegrass. Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C													
																Mix with Tall fescue or winter annuals. Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.
seed- bearing hay	3 tons	1338 lbs	M-L P C													

6-9

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER ¹

Species	Broadcast Rates		Resource Area ²	Planting Dates by Resource Area												Remarks
	<i>Pure Live Seed (PLS) Rate Per Acre³ Per 1000 sqft</i>			<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
LESPEDEZA Ambro virgata <i>Lespedeza virgata</i> DC or Appalow <i>Lespedeza cuneata</i> (Dumont) G. Don																
scarified	60 lbs	1.4 lb	M-L P C												300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Sericea lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.	
unscarified	75 lbs	1.7 lb	M-L P C													
LESPEDEZA, SHRUB <i>Lespedeza bicolor</i> <i>Lespedeza thumbergii</i>																
plants	3' x3'		M-L P C												Provide wildlife food and cover.	
LOVEGRASS, WEEPING <i>Eriogonum curvula</i>																
alone	4 lbs	0.1 lb	M-L P C												1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadsides.	
with other perennials	2 lbs	0.05 lb	C													

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DEVELOPMENT REFERENCE:

DESIGN PROFESSIONAL: INGRAM CIVIL ENGINEERING GROUP
212 OVERLOOK CIRCLE, SUITE 105
BRENTWOOD, TN 37027
PHONE: (615) 370-7964

24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398

CLEARING PHASE
EROSION CONTROL NOTES:

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

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

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAD ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
3. TYPE "C" SILT FENCE: SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL. OF RECORD, SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
7. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

PRELIMINARY
SCHEDULE OF MAJOR ACTIVITIES

ACTIVITY	DATES
SILT BARRIER/CHECK DAM INSTALLATION	WEEKS 1
CLEARING AND GRUBBING	WEEKS 2-3
PROPOSED CONSTRUCTION	WEEKS 4-43
FINAL GRASSING AND REMOVAL OF TEMPORARY STRUCTURES	WEEKS 44-48
MAINTENANCE OF EROSION CONTROL MEASURES	WEEKS 1-48

DESIGN PROFESSIONAL'S CERTIFICATION:

(1) I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND DISTURBING ACTIVITY WAS PERMITTED. THE PLAN PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS. THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

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

(3) I CERTIFY UNDER THE PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONAL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED UPON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

(4) I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY STA TE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT GAR 100001."

(5) I CERTIFY THAT THE APPLICABLE PORTIONS OF THE EROSION CONTROL PLANS WILL BE PROVIDED TO EACH SECONDARY PERMITEE PRIOR TO THE SECONDARY PERMITEE CONDUCTING ANY CONSTRUCTION ACTIVITY."

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST SUBMITTIT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUN OFF.

THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION CONTROL PLANS WILL INSPECT THE INSTALLATION OF THE BMPs WITHIN SEVEN DAYS AFTER INITIAL CONSTRUCTION ACTIVITY BEGINS.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL. IN AREAS SHOWN ON PLAN WERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 164 OF THE GEORGIA D.O.T. STANDARD SPECIFICATIONS, FOR ROADS AND BRIDGES.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE. AS CONDITIONS DEMAND, ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAYS OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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 AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

DESIGN CERTIFICATION:

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

(2) I CERTIFY THAT THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN HAS BEEN PREPARED IN ACCORDANCE WITH PART IV OF THE GENERAL NPDES PERMIT GAR 100003. THE PLAN WILL BE IMPLEMENTED, AND THAT SUCH PLAN WILL PROVIDE FOR COMPLIANCE WITH THIS PERMIT."

(3) I CERTIFY UNDER THE PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONAL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED UPON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

(4) I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY STA TE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT GAR 100001."

(5) I CERTIFY THAT THE APPLICABLE PORTIONS OF THE EROSION CONTROL PLANS WILL BE PROVIDED TO EACH SECONDARY PERMITEE PRIOR TO THE SECONDARY PERMITEE CONDUCTING ANY CONSTRUCTION ACTIVITY."

GRADING PHASE
EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

TYPE "A" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE. AS CONDITIONS DEMAND, ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CUT AND FILL SLOPES ARE NOT TO EXCEED "3H: 1V"

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION.

FINAL PHASE
EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER.

AFTER CURBING, GRADED AGGREGATE BASE AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

GENERAL NOTES:

1. NO ACTIVITIES SHALL BE CONDUCTED WITHIN THE 25 OR 50-FOOT STREAM BUFFER ALONG THE BANKS OF ALL STATE WATERS.

2. EACH SECONDARY PERMITEE WILL BE PROVIDED WITH A COPY OF THE EROSION CONTROL PLANS OR PORTIONS OF THE PLAN APPLICABLE TO THEIR SITE AND EACH SECONDARY PERMITEE SHALL SIGN THE PLAN OR PORTION OF THE PLAN APPLICABLE TO THEIR SITE.

3. ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

4. AFTER CONSTRUCTION, EROSION AND SEDIMENTATION WILL BE MANAGED BY STABILIZED LOT CONSISTING OF PAVED DRIVEWAY, GRASSING, LANDSCAPING AND HOME SITE.

5. MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL
B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND
C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS
D. PROVIDING GRAVEL OR PAVING AT ENTRANCE / EXIT DRIVES

6. THIS SITE IS A NEW 11,000 SF FREE STANDING EMERGENCY ROOM. THE TOTAL SITE AREA: 2.36 ACRES
THE DISTURBED AREA: 2.36 ACRES

TYPE "A" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE. AS CONDITIONS DEMAND, ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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 AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

PERMIT COVERAGE:

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NO.100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR INFRASTRUCTURE.

AUTHORIZED DISCHARGES

1. ALL DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. PART I.C.1.b

2. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORMWATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT. PART III.A.1

3. AUTHORIZED MIXED STORMWATER DISCHARGES: PART I.C.2
A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.

B. THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT.

C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT PERMIT. AN EXISTING PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT.

4. AUTHORIZED NON-STORMWATER DISCHARGES: PART III.A.2
A. FIRE FIGHTING ACTIVITIES
B. FIRE HYDRANT FLUSHING
C. POTABLE WATER SOURCE DISCHARGES INCLUDING WATER LINE FLUSHING
D. IRRIGATION DRAINAGE
E. AIR CONDITIONING CONDENSATE
F. SPRINGS
G. UNCONTAMINATED GROUND WATER
H. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS

LIMITATIONS ON COVERAGE PART I.C.3

1. THE FOLLOWING STORMWATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:

A. STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATES FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.

B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON STORMWATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART III.A.2 OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.6 (NON-STORMWATER DISCHARGES) OF THIS PERMIT.

C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES.

D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.

2. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.G.A. §§12-14-2, ET SEQ.), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24-HOUR PERIOD, THE PERMITEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE: EPD AT (404) 656-4863 OR (800) 241-4113, OR THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802. PART II.B.1

3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ONSITE SPILL. PART III.B.2

WATER QUALITY COMPLIANCE PART I.C.4

ALL DISCHARGES AUTHORIZED BY THIS PERMIT SHALL NOT CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL. CHAPTER 391-J-6-03.

SAMPLING METHODOLOGY PART IV.D.6.b-i

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED). THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

2. LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS WITH A MINIMUM SAMPLE SIZE OF 200 MILLILITERS SHOULD BE USED FOR COLLECTING SAMPLES.

3. SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).

4. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

5. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED.

6. IF MANUAL SAMPLING IS EMPLOYED, THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM, AND SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS, AND CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.

7. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN AT THE DISCHARGE FARTHEST UPSTREAM AT THE SITE BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

8. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN AT THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

9. PERMITEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.

10. DILUTION OF SAMPLES IS NOT REQUIRED.

11. SAMPLES MAY BE ANALYZED USING A DIRECT READING, PROPERLY CALIBRATED TURBIDIMETER.

12. SAMPLES ARE NOT REQUIRED TO BE COOLED.

13. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THE PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E OF THE PERMIT.

14. TURBIDITY RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU".

SAMPLING FREQUENCY PART IV.D.6.d

1. SAMPLING FREQUENCY SHALL OCCUR IN ACCORDANCE WITH PART IV.D.6.a OF THE PERMIT.

2. FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:

A. THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN PRIOR TO THE ACCUMULATION.

B. THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL, IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.

C. WHERE MANUAL AND AUTOMATIC SAMPLING ARE NOT IMPOSSIBLE (AS DEFINED IN THE PERMIT), OR ARE BEYOND THE PERMITEE'S CONTROL, THE PERMITEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.

D. NORMAL BUSINESS HOURS, AS DEFINED BY THE PERMIT, ARE MONDAY THROUGH FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITEE.

3. SAMPLING SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM:

A. THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION.

B. THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER

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EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN (ES&P)

THIS PLAN WAS PREPARED AS REQUIRED BY NPDES GENERAL PERMIT NO. GAR 100001. THESE PLAN SHEETS AND ALL REQUIREMENTS OF THE GENERAL PERMIT AS WELL AS LOCAL, STATE, AND FEDERAL REGULATION OR LAWS APPLY REGARDLESS OF SPECIFIC INCLUSION IN THIS PLAN.

SITE DESCRIPTION

OWNER/DEVELOPER AS PRIMARY PERMITTEE WILL OVERSEE SITE CONSTRUCTION LOCATED WITHIN THE PROPERTY SITUATED IN TAX PARCEL NO. 51009 01105, CHATHAM COUNTY, GEORGIA. THE MAGNITUDE OF THE ENTIRE DEVELOPMENT CONTAINS 2.36 ACRES.

DESCRIBE PROPERTY TO BE DEVELOPED: BASIC DESCRIPTION OF PROPERTY INCLUDING PHASES, OUT-LOTS, WHETHER OR NOT SECONDARIES WILL BE USED, ETC. (RESIDENTIAL SID, SHOPPING CENTER WITH PAVEMENT)

CONSTRUCTION WILL BEGIN WITH PLACEMENT OF PERIMETER SILT PROTECTION BARRIERS AND CONSTRUCTION ENTRANCES. AFTER THESE EROSION CONTROL BEST MANAGEMENT PRACTICES HAVE BEEN INSTALLED, CLEARING AND GRUBBING OF VEGETATION WILL COMMENCE IN AREAS THAT ARE TO BE DISTURBED. THE SITE WILL THEN BE GRADED AND UTILITIES WILL BE TRENCHED. ONCE BROUGHT TO FINAL GRADE, THE ROADS WILL BE PAVED WHILE ALL OTHER EXPOSED AREAS WILL BE STABILIZED WITH VEGETATION, SIDEWALKS OR STRUCTURES.

STORM WATER RUNOFF FROM THIS DEVELOPMENT WILL BE CONVEYED TO A REGIONAL DETENTION POND WHICH OUTFALLS TO CULVERT SWAMP THROUGH AN EXISTING TRAPEZOIDAL WEIR.

ZONING

THIS SITE IS ZONED: PUD (MO/SAC)

SURVEY INFORMATION

BOUNDARY INFORMATION: SEE ATTACHED SURVEY BY SOUTHEASTERN SURVEY

TOPOGRAPHIC INFORMATION: SEE ATTACHED SURVEY BY SOUTHEASTERN SURVEY

FLOOD INSURANCE RATE MAP, F.E.M.A. MAP NO. 13051C0109G, DATED 08/16/2018, SHOWS THE EXISTING PROPERTY AND SURROUNDING AREA IS NOT IN A 100 YEAR FLOOD ZONE; (NO BASE FLOOD ELEVATIONS DETERMINED).

THE SITE IS LOCATED IN TAX PARCEL NO. 13051C0109G, CHATHAM COUNTY, GA. GROSS ACREAGE OF TRACT: 2.36 ACRES MORE OR LESS.

TOTAL DISTURBED AREA = 2.36 ACRES

RUNOFF COEFFICIENT

- WEIGHTED PRE CONSTRUCTION ON CURVE NUMBER: 80.00
- WEIGHTED POST CONSTRUCTION ON CURVE NUMBER: 88.73

SOIL TYPES

THE NCRS SOIL TYPES ARE: Oj (B/D), WaI (C/D)

SOIL DISTURBING ACTIVITIES INCLUDE:

- INSTALLING A STABILIZED CONSTRUCTION EXIT, PERIMETER AND OTHER EROSION AND SEDIMENT CONTROLS.
- CLEARING AND GRUBBING.
- EXCAVATION OF THE FOUNDATION.
- GRADING AND EXCAVATION FOR UTILITIES.
- PREPARATION FOR FINAL PLANTING AND SEEDING.
- COMPLETION OF ON-SITE STABILIZATION.

SEQUENCE OF MAJOR ACTIVITIES

SEE CONSTRUCTION SCHEDULE:

NAME OF RECEIVING WATERS

CULVERT SWAMP

CONTROLS

EROSION AND SEDIMENT CONTROLS

ALL PERIMETER SILT FENCES AND CONSTRUCTION EXITS SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBING ACTIVITIES.

EXISTING VEGETATION SHALL BE LEFT IN PLACE UNTIL SUCH TIME THAT LAND DISTURBING ACTIVITIES ARE TO TAKE PLACE UPON THAT PORTION OF THE SITE, WHEN CONSTRUCTION ACTIVITIES HAVE CEASED IN AN AREA, THAT AREA SHALL BE STABILIZED WITHIN 14 DAYS. IF THE AREA IS NOT YET TO FINAL GRADE, IT SHALL BE MULCHED. IF THE AREA IS TO FINAL GRADE AND WILL EVENTUALLY CONTAIN SITE IMPROVEMENTS SUCH AS THE STRUCTURES OR SIDEWALKS, IT SHALL BE TEMPORARY SEEDED. AREAS BROUGHT TO FINAL GRADE THAT WILL REMAIN PERVIOUS ARE TO BE PERMANENTLY SEEDED. ALLOWABLE EXCEPTIONS FROM THE NPDES GENERAL PERMIT, GAR 100001, ARE NOTED BELOW.

"WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE."

"WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED."

PLEASE REFER TO DETAIL SHEETS FOR THE LAND DISTURBANCE CONSTRUCTION SCHEDULE AND TEMPORARY AND PERMANENT GRASSING SCHEDULES.

STORM WATER FROM THIS DEVELOPMENT WILL BE ROUTED THROUGH THE EXISTING STORM WATER SYSTEM AND GRASS SWALES TO THE EXISTING LAKE (DETENTION). THE STORM WATER WILL BE DISCHARGED FROM THE DETENTION FACILITIES TO A TRIBUTARY OF CULVERT SWAMP.

NON-STORM WATER DISCHARGES

ALL NON-STORM WATER DISCHARGES WILL BE ROUTED THROUGH ON SITE BMPs AND THE STORM WATER MANAGEMENT SYSTEM WHERE POSSIBLE. THESE DISCHARGES INCLUDE FLUSHING OF WATER AND FIRE LINES, IRRIGATION WATER, GROUND WATER, DEWATERING OF PITS OR DEPRESSIONS WITHIN THE CONSTRUCTION SITE AND RINSE OFF WATER OF NON-TOXIC MATERIALS.

OTHER CONTROLS

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, TRASH LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS AND SANITARY WASTE WILL BE COVERED WITH TARPS, PLASTIC SHEETS, OR ROOFING THROUGH OUT EVER PHASE OF CONSTRUCTION.

WASTE MATERIALS

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE PASTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTES

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL, IN THESE PRACTICES, MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ES&Pc FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ES&Pc AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM GRADING PHASE, SHEET C300, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM AT THE COMPLETION OF THIS PROJECT.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. SEE SHEETS C500 - C506 FOR CONSTRUCTION EXIT LOCATION AND SHEET C530 FOR DETAIL. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP/AULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE FOLLOWING MATERIALS ARE EXPECTED ONSITE DURING CONSTRUCTION: CONCRETE PRODUCTS, ASPHALT, PETROLEUM BASED FUELS AND LUBRICANTS FOR EQUIPMENT, TAR, METAL BUILDING MATERIALS, LUMBER, SHEET ROCK, FLOOR COVERINGS, ELECTRICAL WIRE AND FITURES, PAINTS/STAINS/FINISHING TREATMENTS, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CLEANING SOLVENTS, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, PLASTIC AND METAL PIPES.

SPILL PREVENTION

PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISK OF SPILLS AND SPILLS FROM DISCHARGING INTO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

- QUANTITIES OF PRODUCTS STORED ONSITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.
- PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE.
- PRODUCT MIXING, DISPOSAL AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
- THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL.

PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARs WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINER LINER TO PREVENT MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OFFACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATION OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

SPILL CLEANUP AND CONTROL PRACTICES

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 800-424-8802.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPO WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL, WHO PREPARED THIS PLAN IF MORE THAN 1200 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 600 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THE LICENSED PROFESSIONAL.

INSPECTIONS

PRIMARY PERMITTEE.

- EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL ONCE EACH TWENTY-FOUR HOUR PERIOD AT THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON WORKING SATURDAY, NON WORKING SUNDAY, AND NON WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISH A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER THE FOLLOWINGS: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.a.(5). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
- BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
- A REPORT (I.E., NOT INDIVIDUAL INSPECTION FORMS) SUMMARIZING THE SCOPE OF EACH INSPECTION AND THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5) OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NONCOMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

RETENTION OF RECORDS

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART IV:
 - A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD.
 - A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT.
 - THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5 OF THIS PERMIT;
 - A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT.
 - A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.(5) OF THIS PERMIT;
 - A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 OF THIS PERMIT; AND
 - DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4a.(2) OF THIS PERMIT.

AN "EROSION & SEDIMENTATION INSPECTION AND MAINTENANCE REPORT" SHEET IS ATTACHED. SHOULD THE INSPECTION REVEAL ANY DEFICIENCIES, A COPY OF THE REPORT SHALL BE SENT TO:

CITY OF POOLER EPSC CONTACT
SHANNON KIRBEY
(912) 748-7261

MAINTENANCE & INSPECTION OF EROSION & SEDIMENT CONTROLS

MAINTENANCE

THE FOLLOWING BEST MANAGEMENT PRACTICE MAINTENANCE CRITERIA ARE TAKEN FROM THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", FIFTH EDITION.

CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5 - 3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURE TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

RETROFIT STRUCTURES SHALL BE KEPT CLEAR OF TRASH AND DEBRIS. THIS WILL REQUIRE CONTINUOUS MONITORING AND MAINTENANCE, WHICH INCLUDES SEDIMENT REMOVAL WHEN ONE-THIRD OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST.

SEDIMENT SHALL BE REMOVED FROM SILT FENCES ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS).

SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION.

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN.

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.

REPAIR ALL DAMAGES CAUSED TO TEMPORARY SEDIMENT BASINS BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE SPECIFIED DISTANCE BELOW THE TOP OF THE RISER. SEDIMENT SHALL NOT ENTER ADJACENT STREAMS OR DRAINAGE WAYS DURING THE SEDIMENT REMOVAL OR DISPOSAL. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT, ADJACENT TO A STREAM OR FLOODPLAIN.

INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

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 AN AREA WILL REMAIN UNDISTURBED FOR GREAT THAN SIX MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED.

PERMANENT VEGETATION 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, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIANS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE REGION, SUCH THAT WITHIN THE GROWING SEASON A TOXIC CROP OF PERENNIAL VEGETATION SHALL BE ACHIEVED. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION, UNTIL THIS STANDARD IS SATISFIED AND PERMANENT CONTROL MEASURES AND FACILITIES ARE OPERATIONAL. INTERIM STABILIZATION MEASURES AND TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED.

STORMWATER SAMPLING

SAMPLE ANALYSIS

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001."

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER RUNOFF FROM UNDISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 75. THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GAR 100001. THE NTU IS BASED UPON THE SITE ACREAGE OF 2.36 ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF 1.3 SQUARE MILES, AND RECEIVING WATER.

SAMPLE TYPE

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

PER NPDES PERMIT, GAR 100001, "SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. LARGE MOUTH, WELL-CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANSED THOROUGHLY TO AVOID CONTAMINATION. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED.

SAMPLING POINTS

THERE WILL BE - STORM WATER SAMPLING LOCATIONS NUMBERED. THE SAMPLING LOCATION WILL BE DOWNSTREAM SAMPLING POINTS. PER NPDES PERMIT GAR 100001, FOR CONSTRUCTION ACTIVITIES, THE PRIMARY PERMITTEE MUST COMPLETE ALL SAMPLING.

APPENDIX B WAS USED TO DETERMINE THE NTU UNITS ALLOWABLE AND UPSTREAM AND DOWNSTREAM SAMPLING WILL BE PERFORMED FOR THIS PROJECT.

- CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
- THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
- THE SAMPLINGS SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
- THE PRIMARY PERMITTEE DOES NOT HAVE TO SAMPLE SHEET FLOW ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.

SAMPLING FREQUENCY

STORM WATER SAMPLES SHALL BE TAKEN FOR THE FOLLOWING STORM EVENTS:

- FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHED OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS * (MONDAY THROUGH FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
- (B) IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS * THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
- (C) AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND SUBSTANCE WITHIN THE EROSION, SEDIMENTATION AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS * UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.

REPORTING

1. The applicable permittees are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Samplein and analysis of any storm water discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:

- The rainfall amount, date, exact place and time of sampling or measurements;
- The name(s) of the certified personnel who performed the sampling and measurements;
- The date(s) analyses were performed;
- The time(s) analyses were initiated;
- The name(s) of the certified personnel who performed the analyses;
- Referenced and written procedures, when available, for the analytical techniques or methods used;
- The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
- Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
- Certification statement that sampling was conducted per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as NOT is submitted in accordance with Part VI.

THE CONTRACTOR WILL OBTAIN COPIES OF ANY AND ALL LOCAL AND STATE REGULATIONS THAT ARE APPLICABLE TO STORM WATER MANAGEMENT, EROSION CONTROL, AND POLLUTION MINIMIZATION AT THIS JOB SITE AND WILL COMPLY FULLY WITH SUCH REGULATIONS. THE CONTRACTOR WILL SUBMIT WRITTEN EVIDENCE OF SUCH COMPLIANCE IF REQUESTED BY THE OWNER OR ANY AGENT OF A REGULATORY BODY. THE CONTRACTOR WILL COMPLY WITH ALL CONDITIONS OF ANY AND ALL LOCAL, STATE AND FEDERAL AGENCIES HAVE GOVERNING AUTHORITY, INCLUDING THE CONDITIONS RELATED TO MAINTAINING THE ES&Pc AND EVIDENCE OF COMPLIANCE WITH THE ES&Pc AT THE JOB SITE AND ALLOWING REGULATORY PERSONNEL ACCESS TO THE JOB SITE AND TO RECORDS IN ORDER TO DETERMINE COMPLIANCE.

CERTIFICATION

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES MEETS THE DESIGN REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100003."

Sam H Bohannon

CERTIFIED BY

24 HOUR CONTACT:
REID PEARSON
LIMBACH INC
PHONE: (615) 982-0398



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GEORGIA UNITED CREDIT
UNION
DB 0325 PG 2643
USE: VACANT
ZONING: PUD (MOSAIC)

SAVANNAH HEALTH
SERVICES, LLC.
DB 0623 PG 1842
USE: EDUCATION
ZONING: PUD (MOSAIC)

STRUCTURE TABLE				
STRUCTURE	RIM ELEV.	INVERT ELEV.	TYPE	NOTE
CO1	20.86	16.78		
CO2	20.85	17.50		
DHM1	17.25	6.50		P2 IE:12.97
MH1	19.17	15.82		

PIPE SCHEDULE				
PIPE	LENGTH (FT.)	SIZE (IN.)	TYPE	SLOPE (%)
P1	96	6	PVC	1.00%
P2	69	6	PVC	4.13%
P3	28	6	PVC	2.57%
P4	12	6	PVC	1.92%

GENERAL UTILITY NOTES

- UNLESS OTHERWISE NOTED, WATER LINES LESS THAN 4 INCHES SHALL BE PE4710 DR-9 AND WATER LINES 4-12 INCHES SHALL BE C900 DR 18. ALL WATER LINES SHALL HAVE 3' MIN. COVER.
- UNLESS OTHERWISE NOTED, ALL SANITARY SEWER LINES SHALL BE SDR 26 PVC WITH 3' MIN. COVER.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRICAL, TELEPHONE AND GAS EXTENSIONS, INCLUDING SERVICE LINES, SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND THE CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- PRIOR TO THE CONSTRUCTION OF ANY CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN AND/OR ANY DRY UTILITY, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATION FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN SPECIFICATIONS: ALL WATER LINE FITTINGS SHALL BE INSTALLED WITH MECHANICAL RESTRAINTS. ALL WATER LINE PIPE BEDDING SHALL BE INSTALLED PER DETAIL (SEE UTILITY DETAILS, THESE PLANS). ALL SANITARY SEWER PIPE BEDDING SHALL BE INSTALLED PER DETAIL (SEE UTILITY DETAILS, THESE PLANS).
- PRIVATE SEWER LINES MUST BE INSTALLED BY A LICENSED PLUMBER AND MUST BE INSTALLED IN ACCORDANCE WITH THE PLUMBING CODE OF THE GOVERNING AUTHORITY.
- THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
- SEE MP&E PLANS FOR CONTINUATION OF UTILITIES INTO BUILDINGS. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF THE CONNECTIONS OF THE SITE UTILITIES WITH THE BUILDING UTILITIES.
- ADJUST ALL CASTINGS TO MATCH FINISH GRADES.
- WRITTEN DIMENSIONS PREVAIL. DO NOT SCALE THESE DRAWINGS. PRINTED DIMENSIONS WHICH ARE OMITTED OR IN CONFLICT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR REVIEW AND RESPONSE. DIMENSIONS ARE FROM FACE OF CURB / EDGE OF PAVEMENT AND FACE OF BUILDING, UNLESS NOTED OTHERWISE.
- NOTE TO SPRINKLER CONTRACTOR:
THE FOLLOWING FLOW AND PRESSURE DATA HAS BEEN CALCULATED BY HYDRANT PROS ON 03/03/2026:
STATIC PRESSURE (PSI): 59
RESIDUAL PRESSURE (PSI): 18
PROJECTED FLOW @ 20 PSI: 1,180 GPM

UTILITY NOTES

- SEE PLUMBING FOR CONTINUATION INTO BUILDING.
- CONNECT TO EXISTING SANITARY STUB AT IE: 6.27. COORDINATE WITH CITY OF POOLER PUBLIC WORKS. CONTRACTOR TO NOTIFY ENGINEER IF INVERT IS DIFFERENT THAN SHOWN ON SURVEY.
- CONNECT TO EXISTING WATER MAIN WITH 2" TAPPING SADDLE AND GATE VALVE WITH STAINLESS BOLTS. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- 2" DOMESTIC WATER METER. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- 2" REDUCED PRESSURE BACKFLOW IN ABOVE GROUND HEATED BOX. COORDINATE WITH CITY OF POOLER PUBLIC WORKS. COORDINATE WITH ELECTRICAL PLANS.
- 6" DOUBLE DETECTOR CHECK VALVE ASSEMBLY. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- 1" IRRIGATION WATER METER. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- 1" REDUCED PRESSURE BACKFLOW IN ABOVE GROUND HEATED BOX. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- UNDERGROUND PROPANE TANK. COORDINATE WITH MECHANICAL PLANS AND LOCAL PROVIDER.
- DECONTAMINATION TANK. COORDINATE WITH MECHANICAL PLANS.
- TRANSFORMER. COORDINATE FINAL PAD SIZE WITH PROVIDER.
- GENERATOR. COORDINATE FINAL PAD SIZE WITH MANUFACTURER.
- COORDINATE WITH LANDSCAPE PLANS.
- DIP TO BE INSTALLED AT ALL AREAS ABOVE OR BELOW DRAINAGE STRUCTURES.
- WALL MOUNTED FDC. SEE PLUMBING PLANS FOR MORE INFORMATION.
- CONNECT TO EXISTING WATER MAIN WITH 6" TAPPING SLEEVE AND GATE VALVE WITH STAINLESS BOLTS. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- JACK AND BORE UNDER MOSAIC CIRCLE. COORDINATE WITH NATURAL GAS PROVIDER AND CITY OF POOLER.
- ALL FIRE HYDRANTS ARE TO BE PAINTED WITH FACTORY BAKES IN SAFETY YELLOW. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- COORDINATING WITH NATURAL GAS PROVIDER ON CONNECTION.
- FOR ALL UNUSED EXISTING WATER STUBOUTS. COORDINATE WITH CITY OF POOLER PUBLIC WORKS FOR CAPPING/REMOVAL.
- EXISTING WATERLINE TO CROSS UNDER PROPOSED STORM PIPE. STEEL CASING TO BE INSTALLED CENTERED ON CROSSING AND EXTEND 10' BEYOND THE CROSSING IN EACH DIRECTION. COORDINATE WITH CITY OF POOLER PUBLIC WORKS.
- EXISTING UNDERGROUND ELECTRICAL LINE TO BE REWORKED UNDER PROPOSED STORM PIPE IF NEEDED. COORDINATE WITH ELECTRIC PROVIDER.

UTILITY DETAILS

- TRENCH & BEDDING
- CROSSING UNDER OBSTRUCTION
- DOMESTIC BACKFLOW PREVENTOR
- FIRE DOUBLE DETECTOR CHECK VALVE ASSEMBLY
- DOMESTIC WATER METER
- FIRE HYDRANT ASSEMBLY
- IRRIGATION WATER METER
- MANHOLE
- EXTERIOR CLEANOUT
- GATE VALVE
- PRIVATE SEWER LATERAL
- TAPPING SADDLE
- DROP MANHOLE
- CASING PIPE

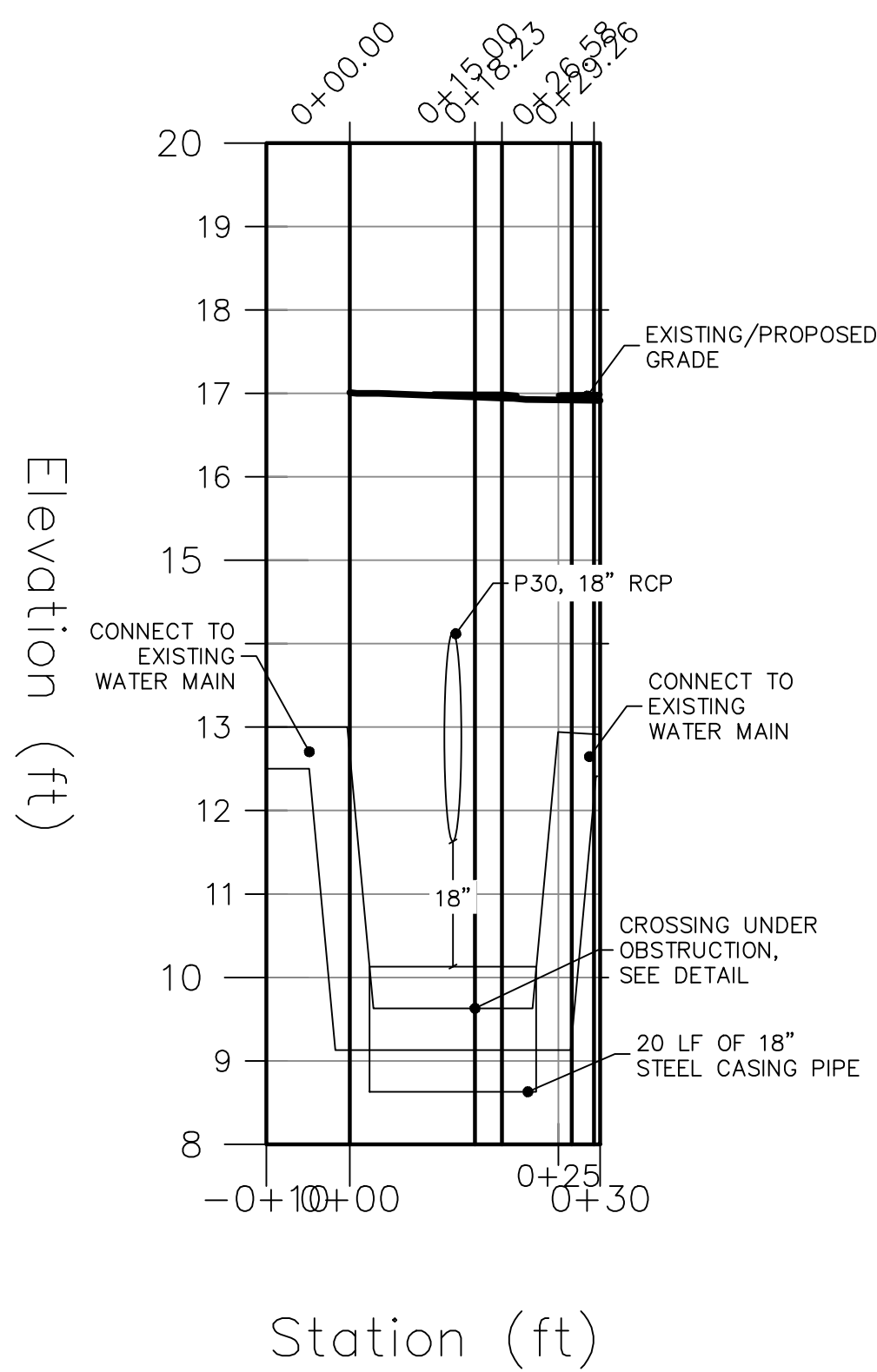
NOTE:

NO IRRIGATION LINES SHALL BE INSTALLED WITHIN ANY EASEMENTS OR PUBLIC RIGHT OF WAY.

LEGEND: UTILITY

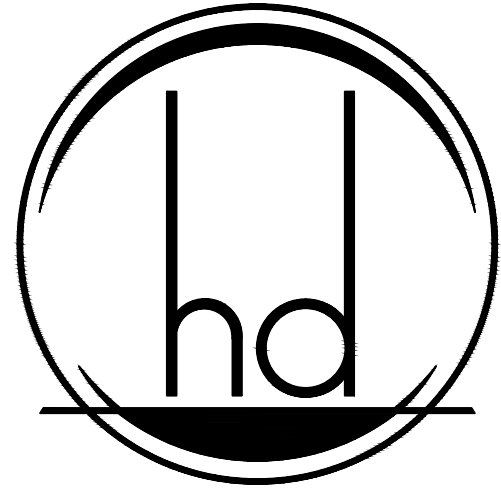
- PROPOSED GAS LINE
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED WATER METER
- PROPOSED GAS METER
- PROPOSED WATER VALVE
- PROPOSED CLEANOUT
- PROPOSED FIRE HYDRANT
- PROPOSED BACK FLOW ASSEMBLY
- PROPOSED DOUBLE DETECTOR CHECK VALVE ASSEMBLY

PROFILE EX City of Pooler Waterline



NAIL FOUND
BENCH MARK
LABELED
N 755991.4192
E 930998.804
EL 18.16

METER/VAULT ENLARGEMENT



HEREFORD · DOOLEY
ARCHITECTS

11 LEA AVENUE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225027.00

CLIENT #282800002

POOLER FSER

CONSTRUCTION
DOCUMENTS



INGRAM CIVIL
ENGINEERING
GROUP, LLC
2112 Overlook Circle, Suite 105
Buckhead, Tennessee 37027
615.370.7964 Office
615.370.1273 Fax
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # 00044206
SAMUEL H. BONHAM, P.E.

William E. Hereford, III
AR # 96247

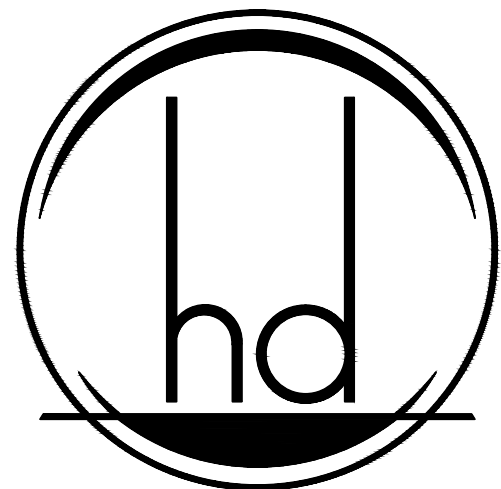
02/23/2026

DATES OF ISSUANCE

UTILITY
PLAN

SHEET

C600



HEREFORD · DOOLEY
ARCHITECTS

11 LEA AVENUE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225027.00

CLIENT #282800002

POOLER FSER

STATUS CONSTRUCTION
DOCUMENTS



William E. Hereford, III
AR # 96247

02/23/2026

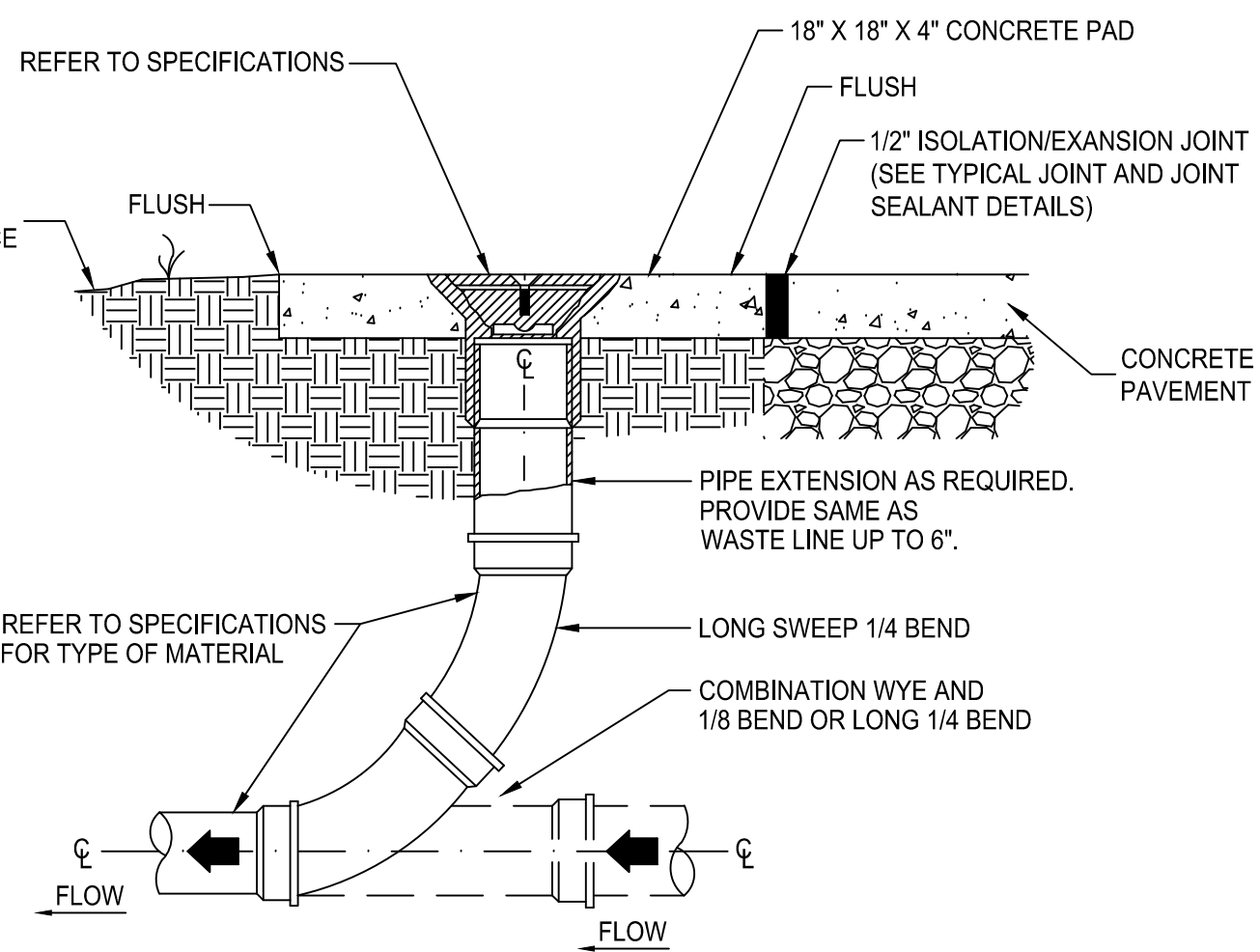
DATES OF ISSUANCE

TITLE UTILITY
DETAILS

SHEET

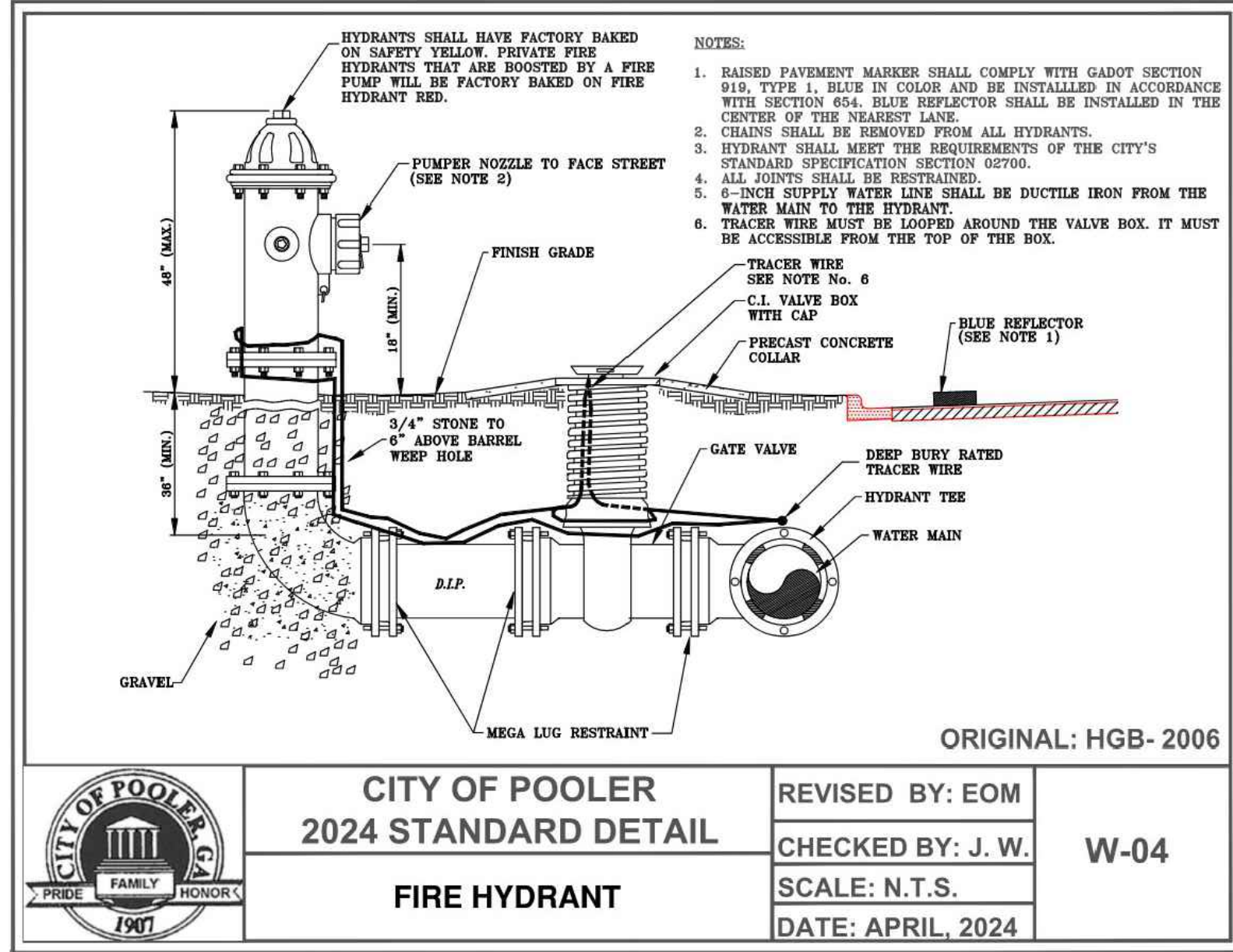
C610

NOTE:
ENSURE ALL SANITARY SEWER CLEANOUTS ARE
FLOOD PROOF AND DESIGNED TO PREVENT
INFILTRATION OF FLOOD WATERS INTO THE SYSTEM.



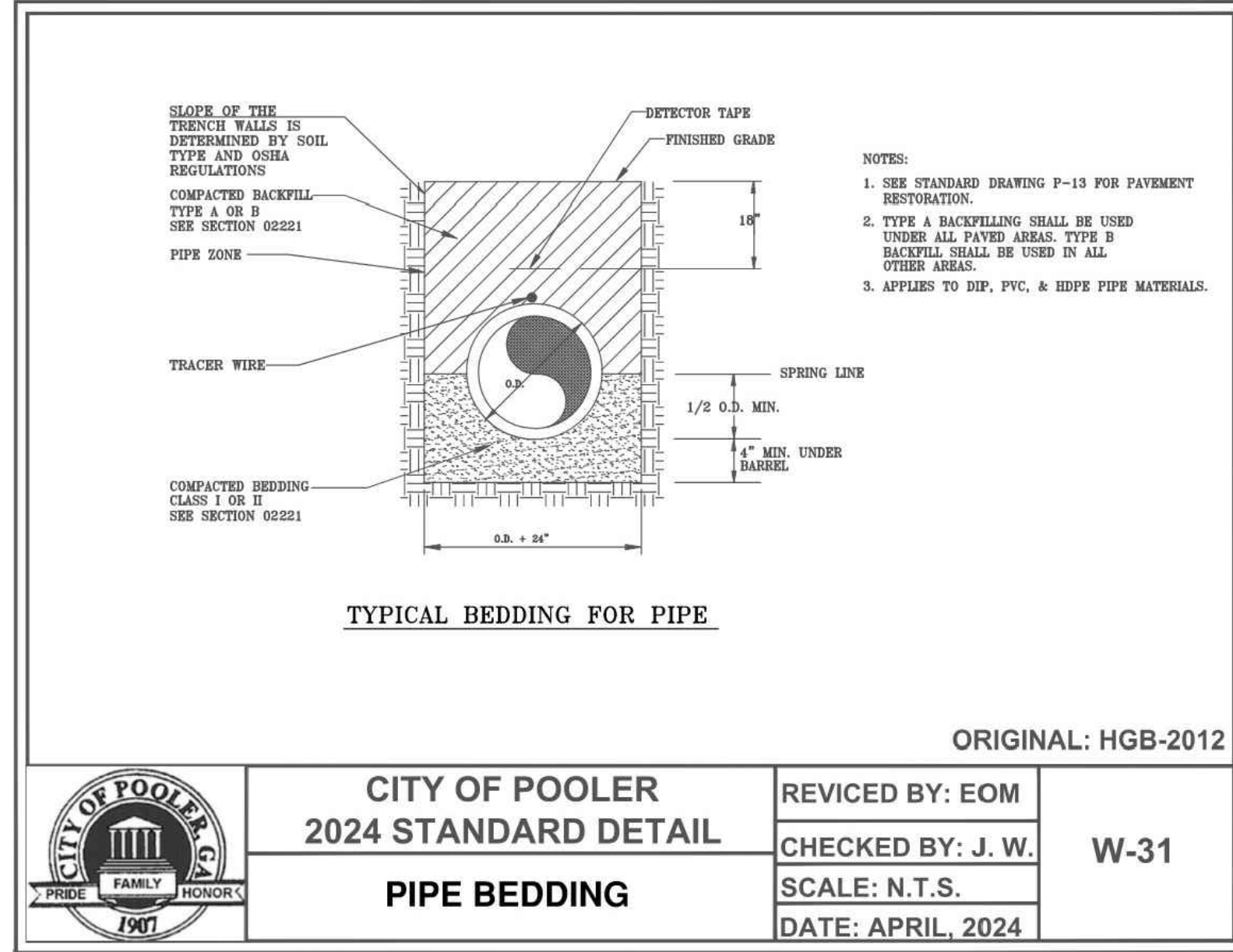
EXTERIOR CLEANOUT
(NOT TO SCALE)

CO
9



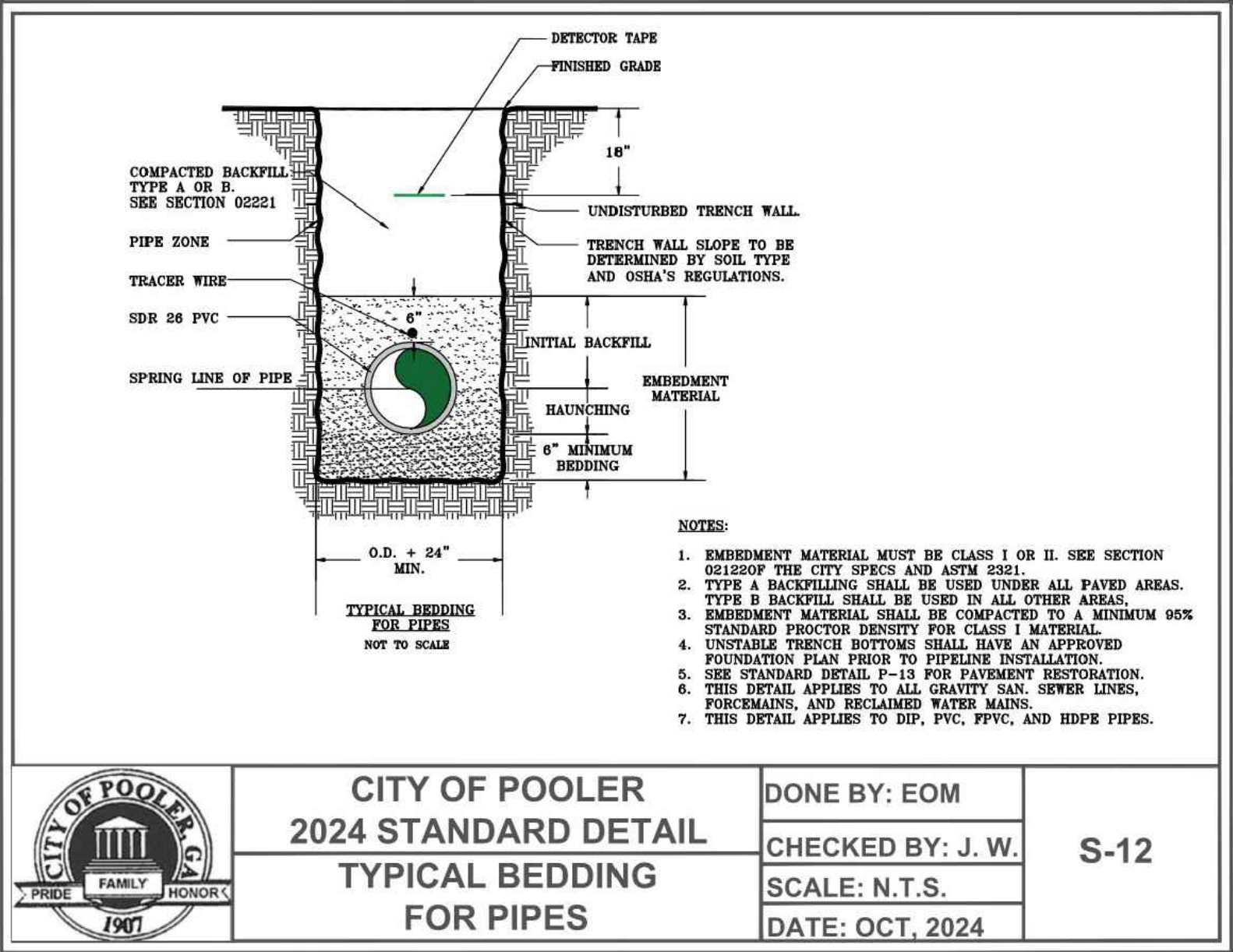
	CITY OF POOLER 2024 STANDARD DETAIL FIRE HYDRANT	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2024	W-04
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FH
6

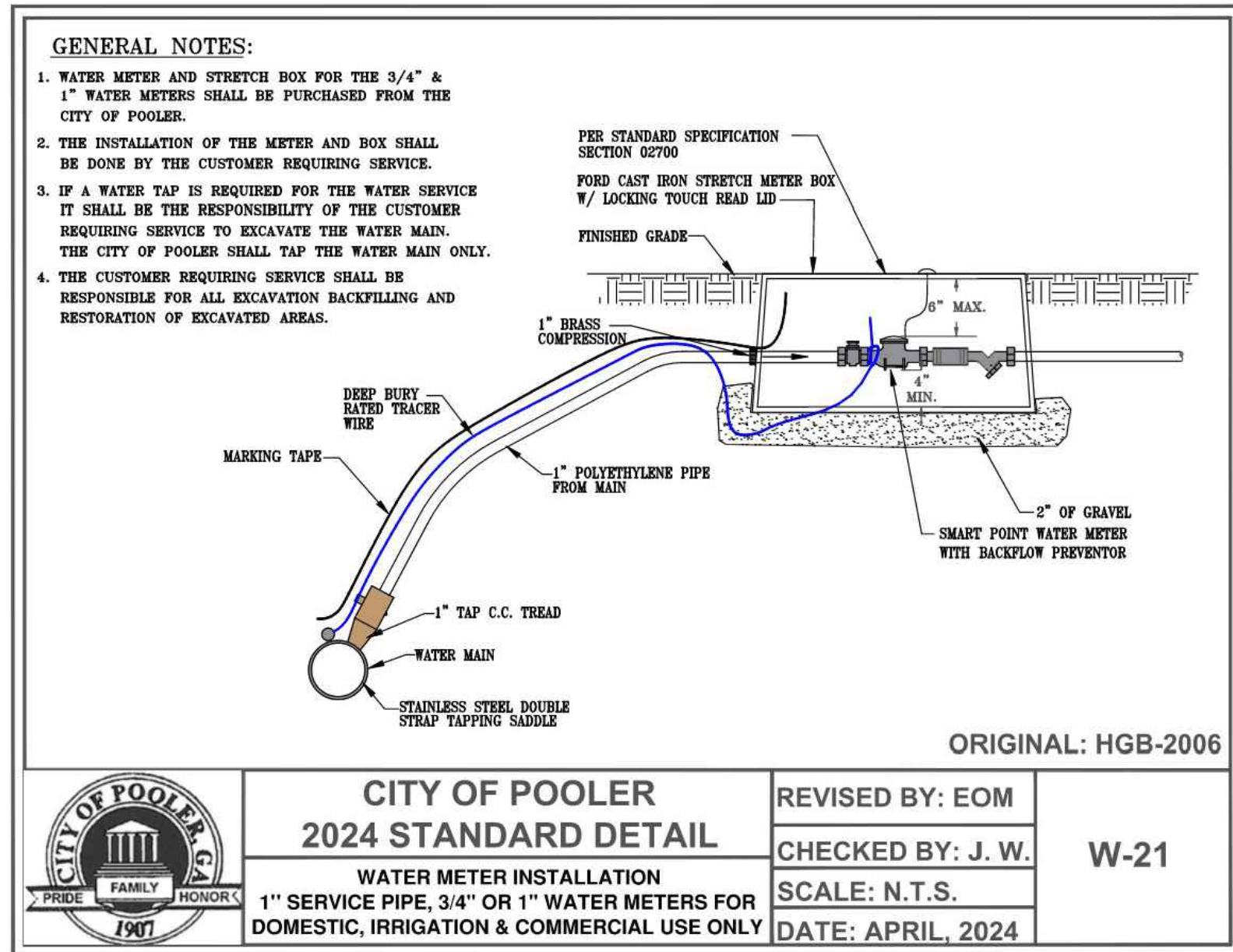


	CITY OF POOLER 2024 STANDARD DETAIL PIPE BEDDING	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2024	W-31
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TB
1

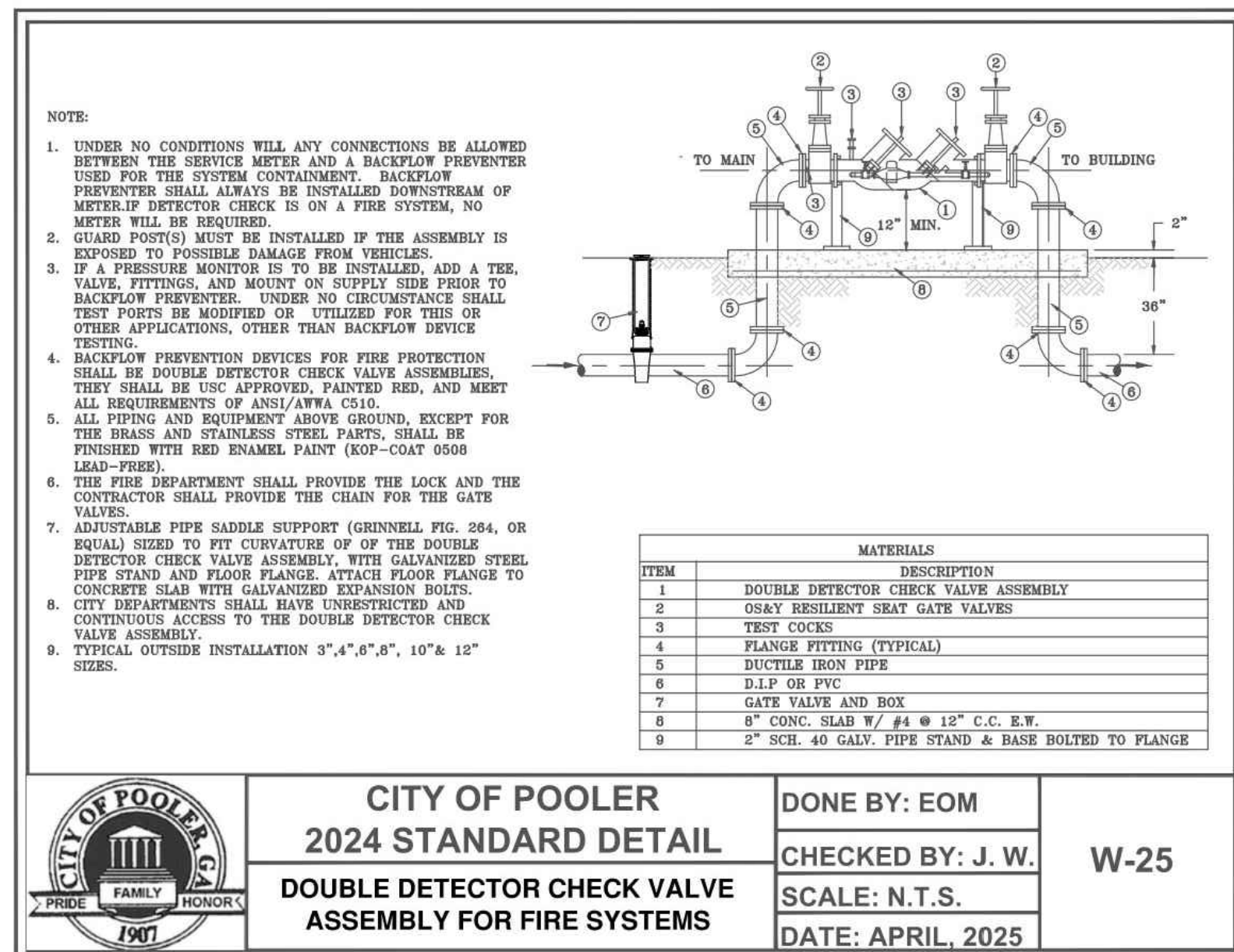


	CITY OF POOLER 2024 STANDARD DETAIL TYPICAL BEDDING FOR PIPES	DONE BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: OCT, 2024	S-12
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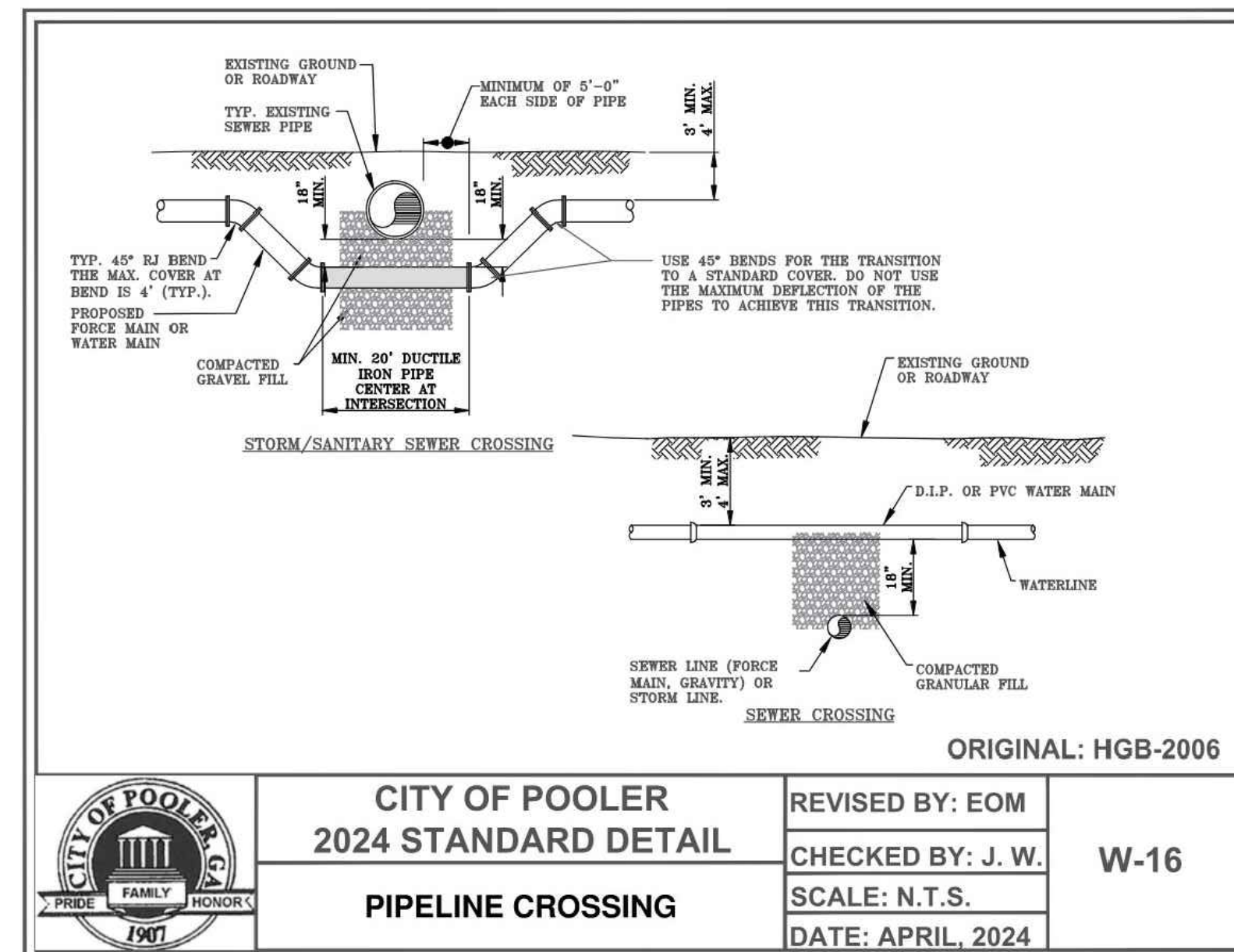
	CITY OF POOLER 2024 STANDARD DETAIL WATER METER INSTALLATION 1" SERVICE PIPE, 3/4" OR 1" WATER METERS FOR DOMESTIC, IRRIGATION & COMMERCIAL USE ONLY	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2024	W-21
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IWM
7



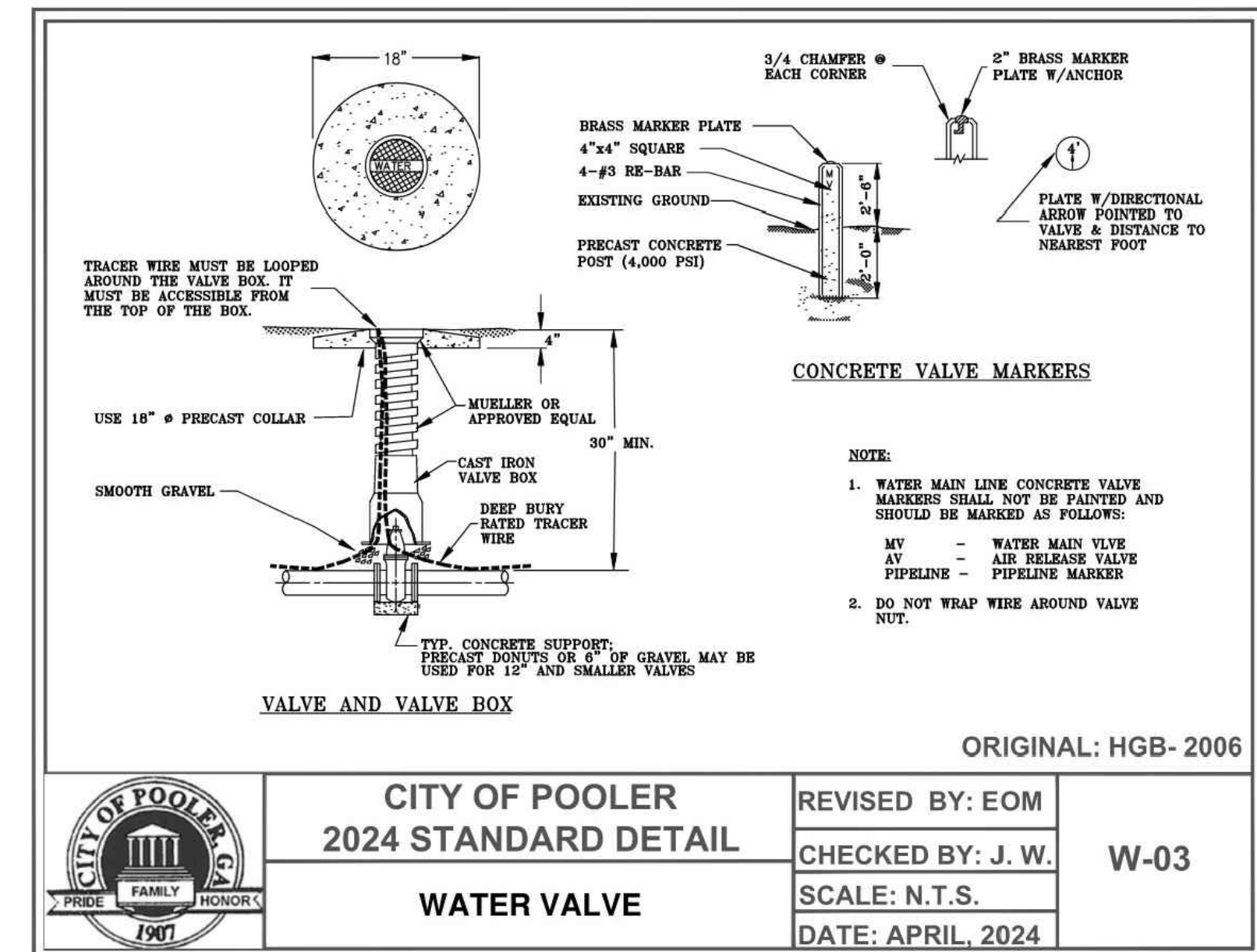
	CITY OF POOLER 2024 STANDARD DETAIL DOUBLE DETECTOR CHECK VALVE ASSEMBLY FOR FIRE SYSTEMS	DONE BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2025	W-25
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DDCV
4



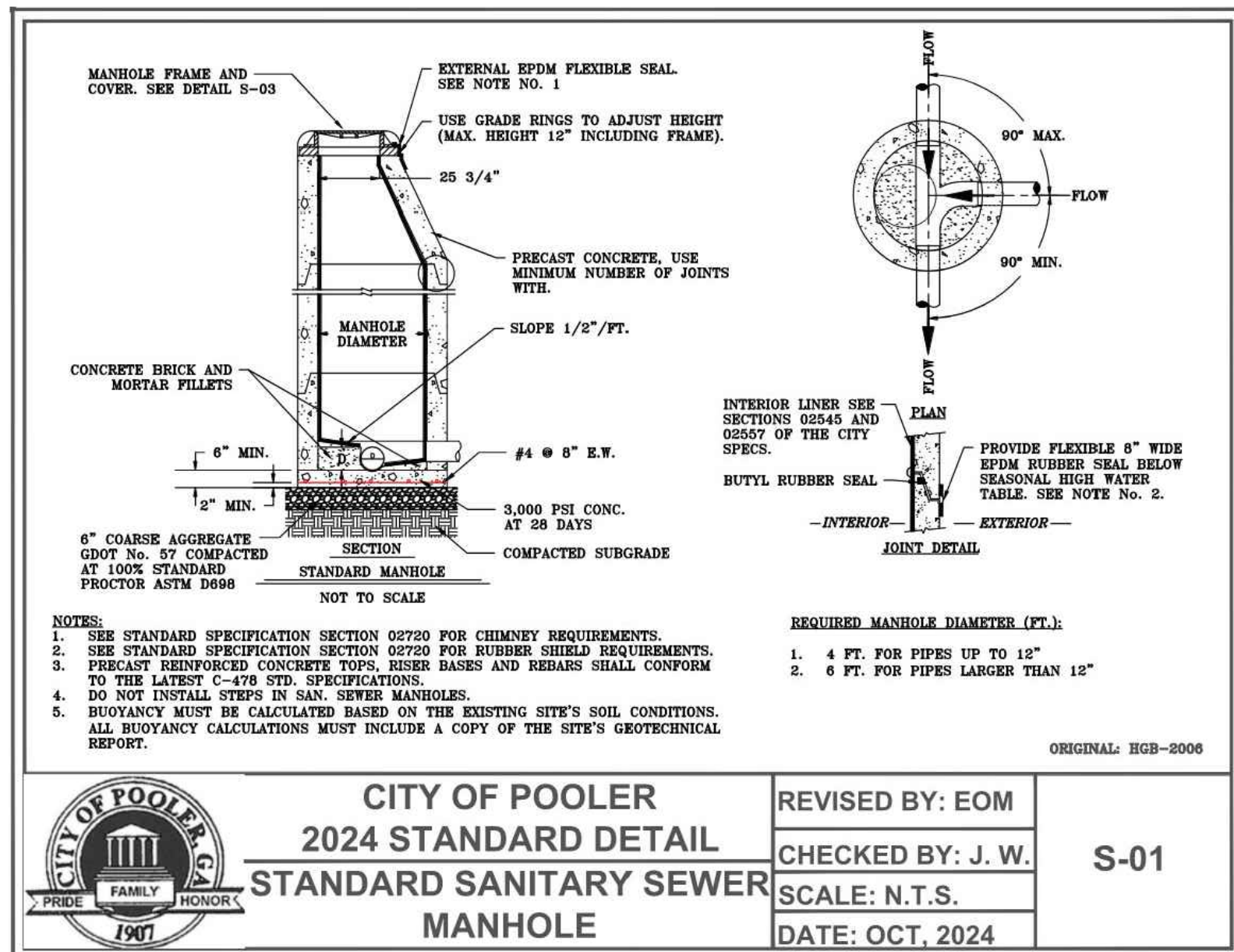
	CITY OF POOLER 2024 STANDARD DETAIL PIPELINE CROSSING	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2024	W-16
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CUO
2



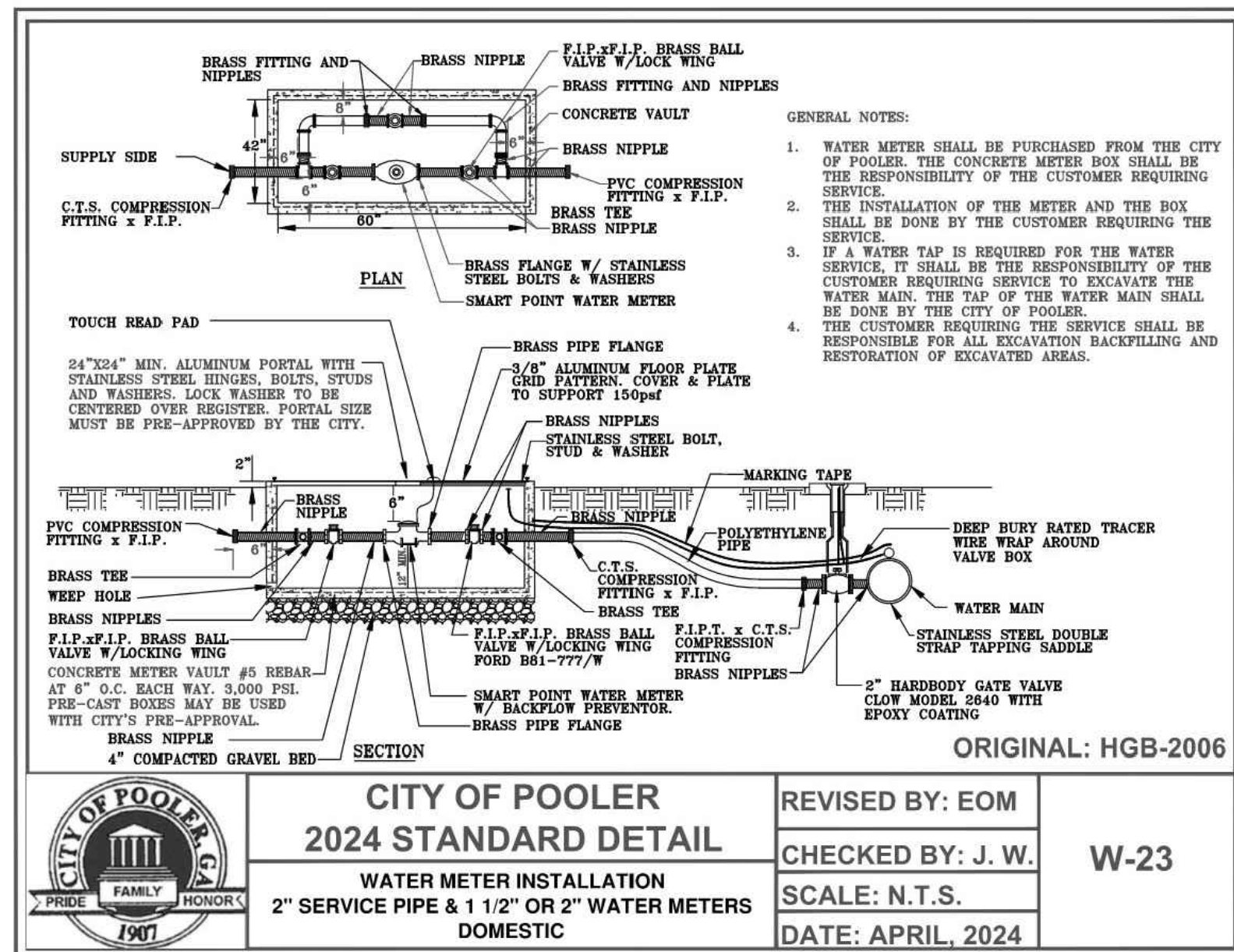
	CITY OF POOLER 2024 STANDARD DETAIL WATER VALVE	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2024	W-03
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GV
11



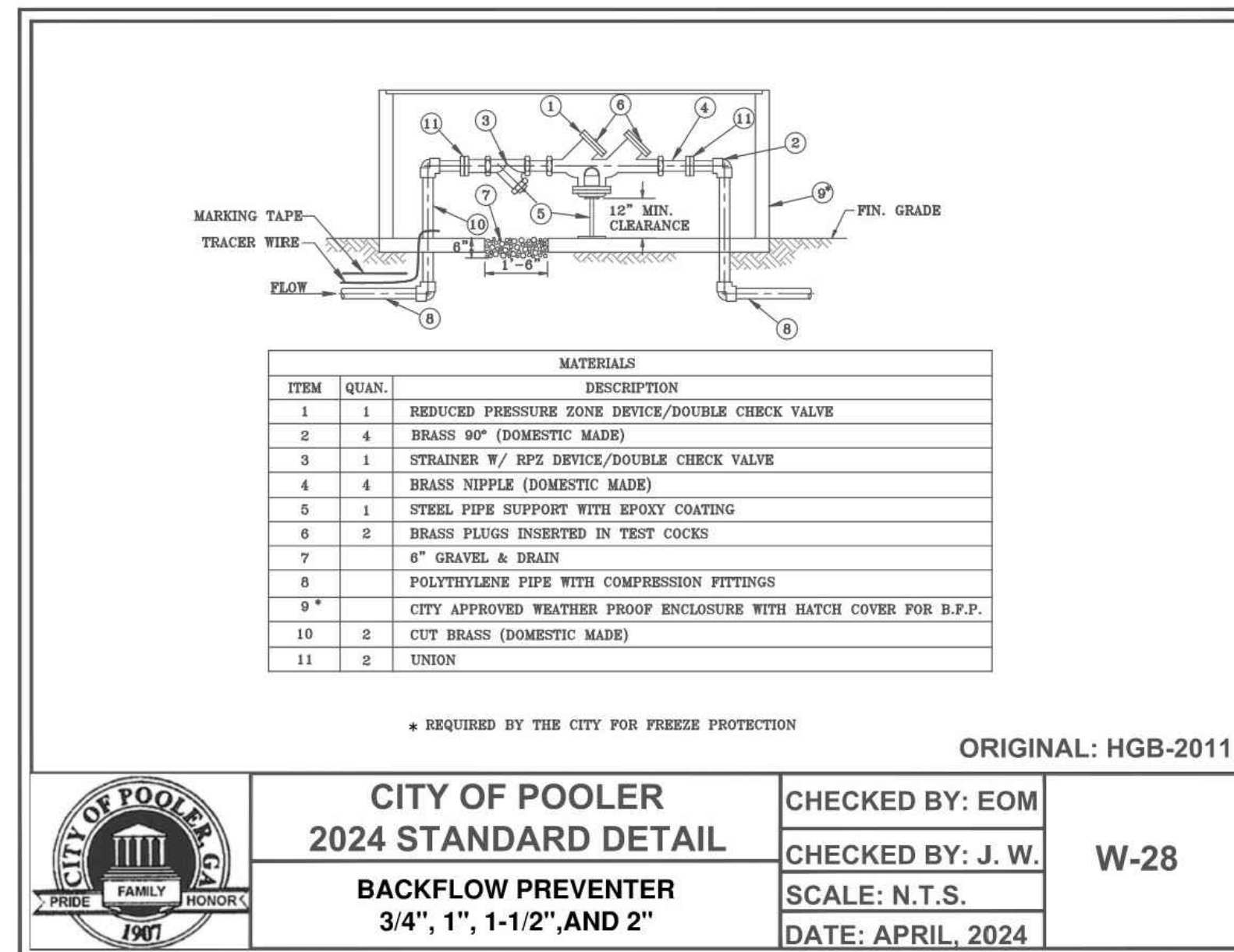
	CITY OF POOLER 2024 STANDARD DETAIL STANDARD SANITARY SEWER MANHOLE	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: OCT, 2024	S-01
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MH
8



	CITY OF POOLER 2024 STANDARD DETAIL WATER METER INSTALLATION 2" SERVICE PIPE & 1 1/2" OR 2" WATER METERS DOMESTIC	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2024	W-23
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DWM
5

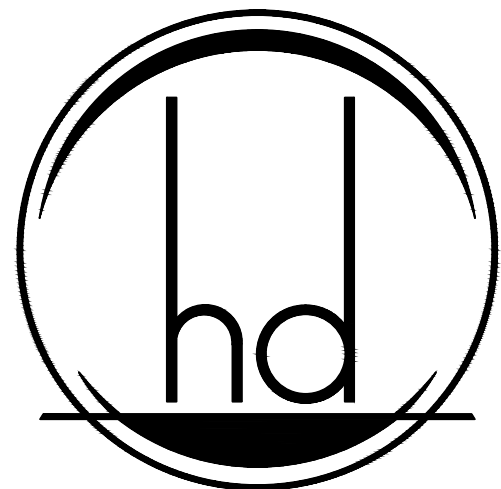
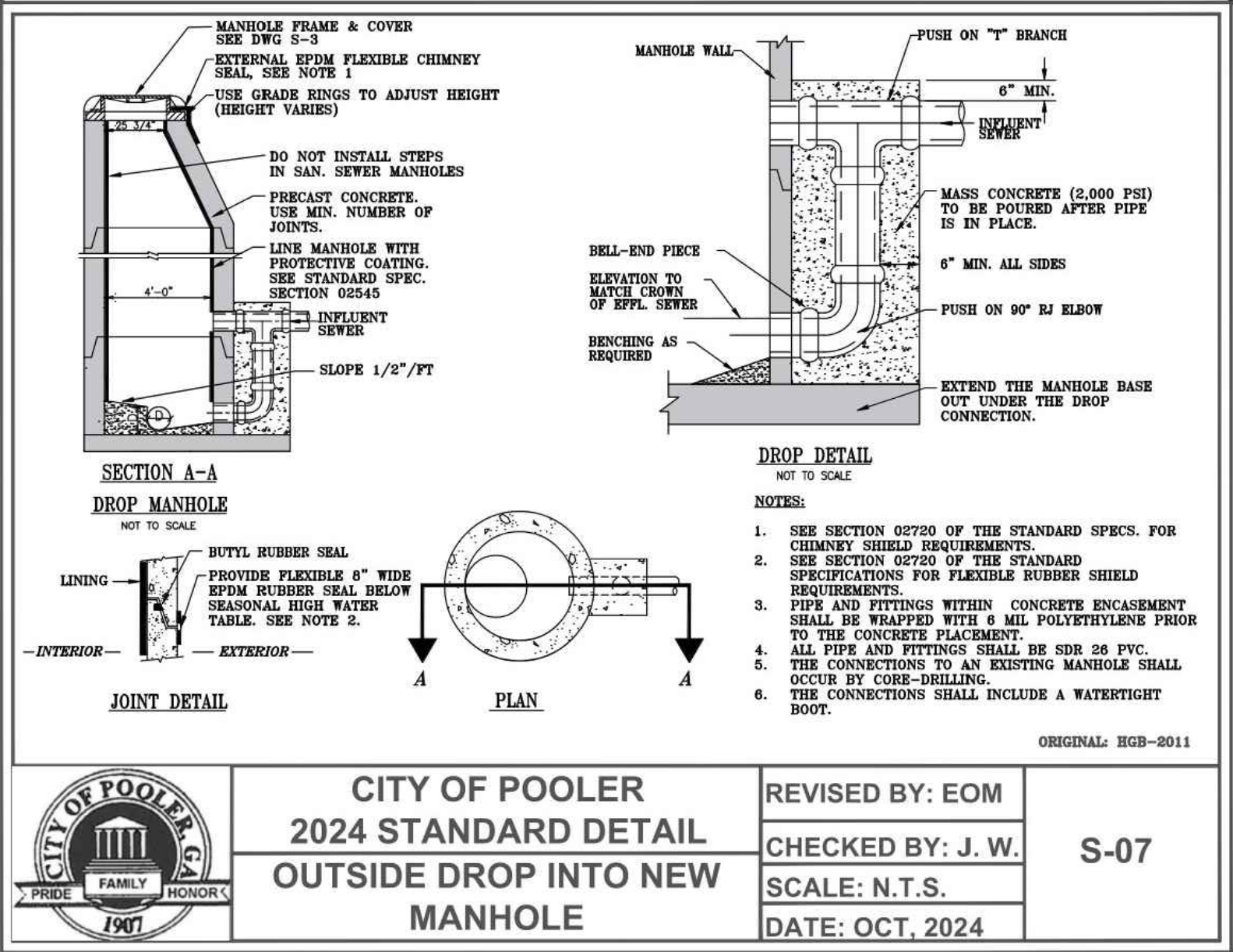
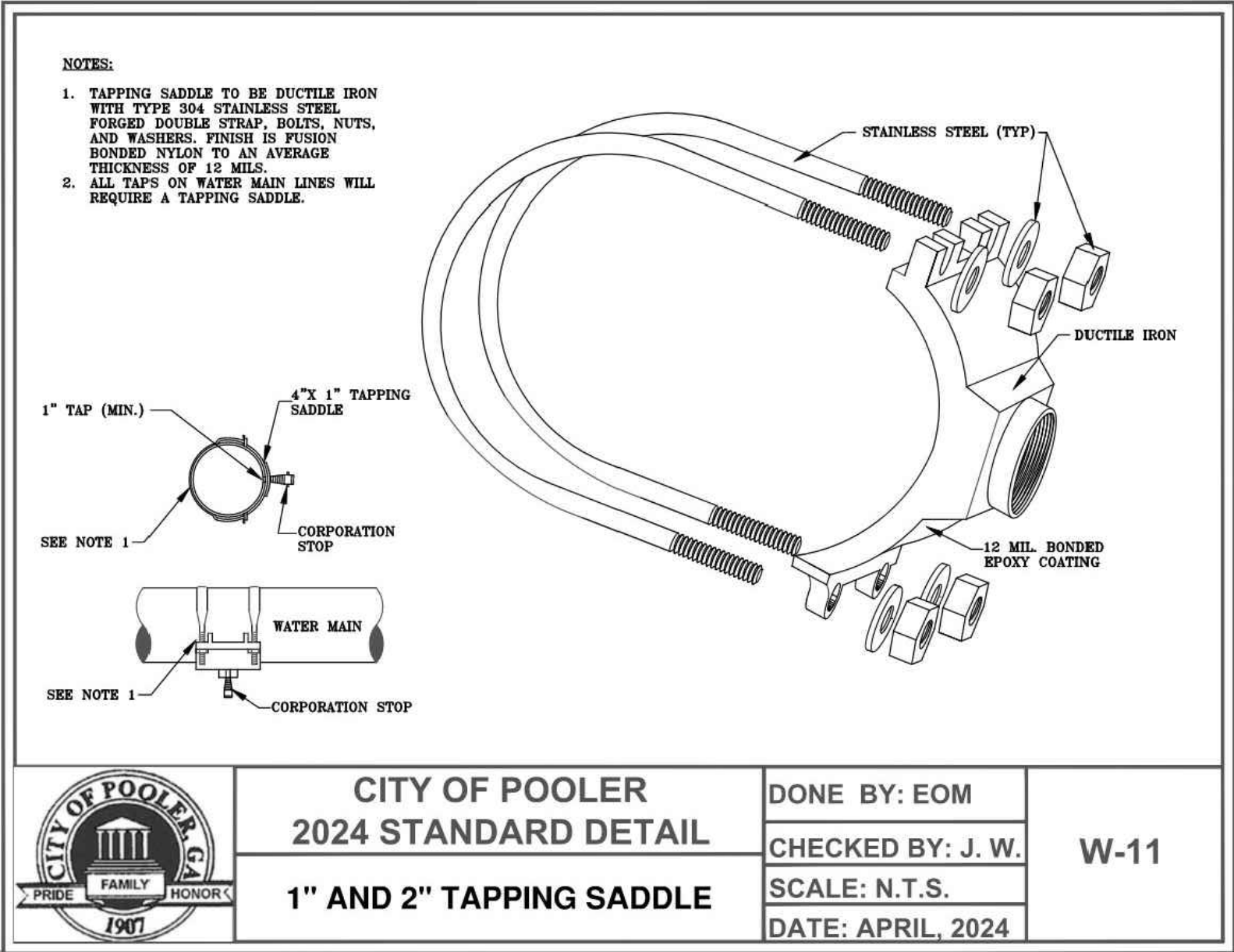
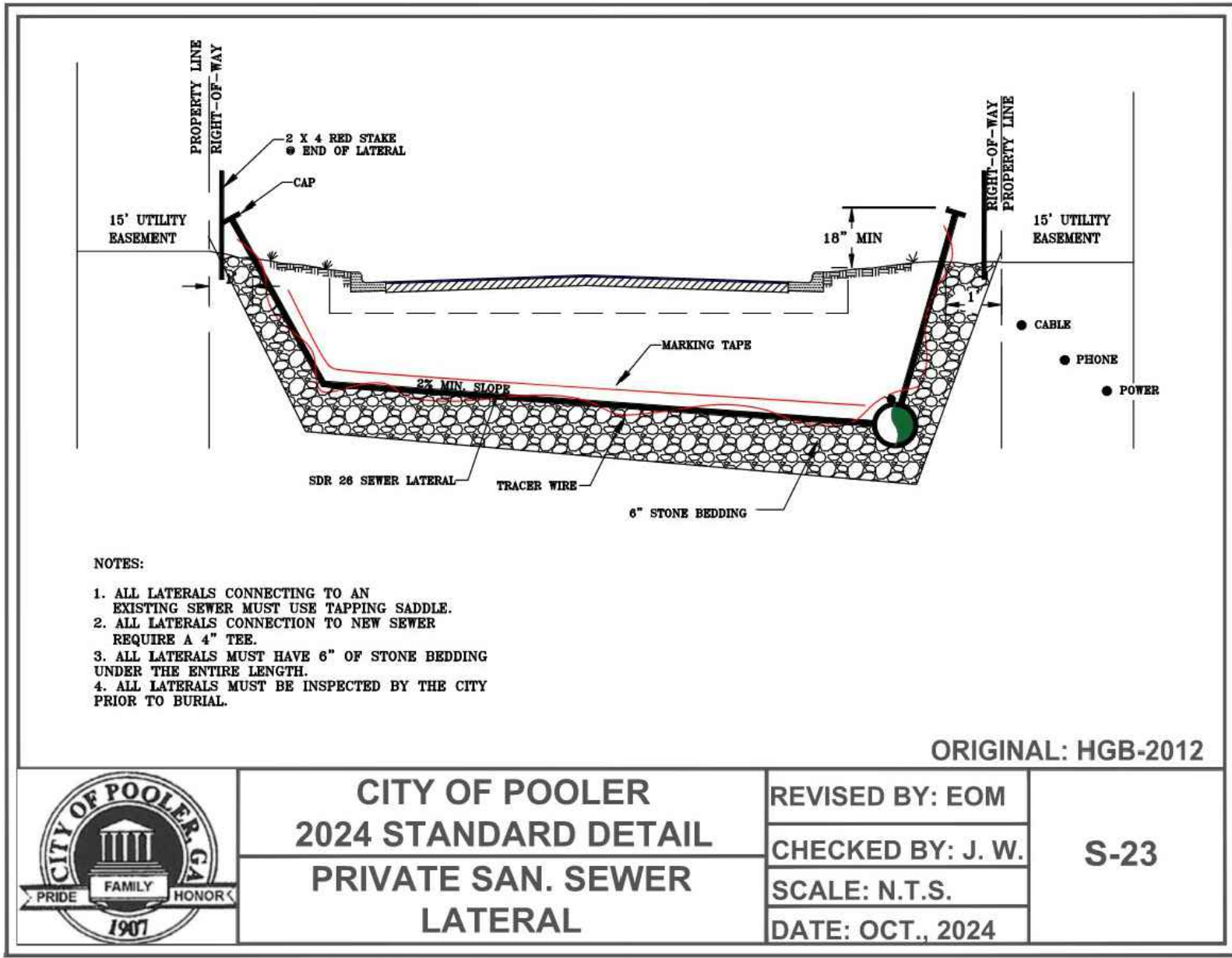
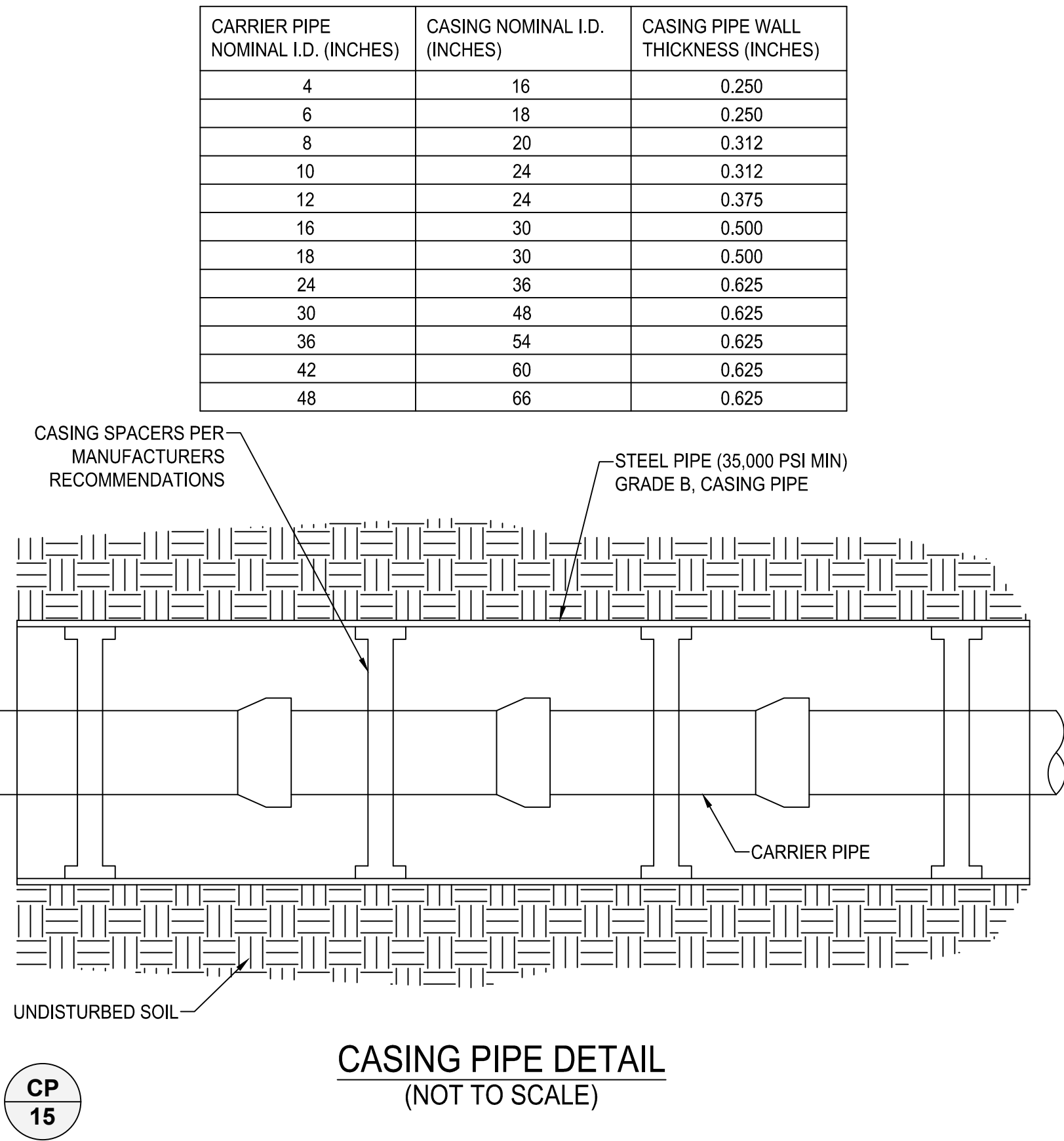
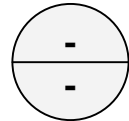
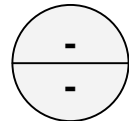
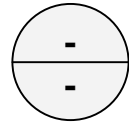
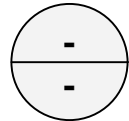
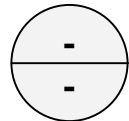
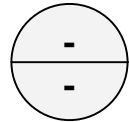


	CITY OF POOLER 2024 STANDARD DETAIL BACKFLOW PREVENTER 3/4", 1", 1-1/2", AND 2"	REVISED BY: EOM CHECKED BY: J. W. SCALE: N.T.S. DATE: APRIL, 2024	W-28
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BFP
3

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ARCHITECTS

11 LEA AVENUE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225027.00

CLIENT #282800002

POOLER FSER

CONSTRUCTION DOCUMENTS



INGRAM CIVIL
ENGINEERING
GROUP, LLC
212 Overlook Circle, Suite 105
Brentwood, Tennessee 37027
615.370.7964 Office
615.301.1273 FAX
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # 0044436
SAMUEL H. BONHAM, P.E.

William E. Hereford, III
AR # 96247

02/23/2026

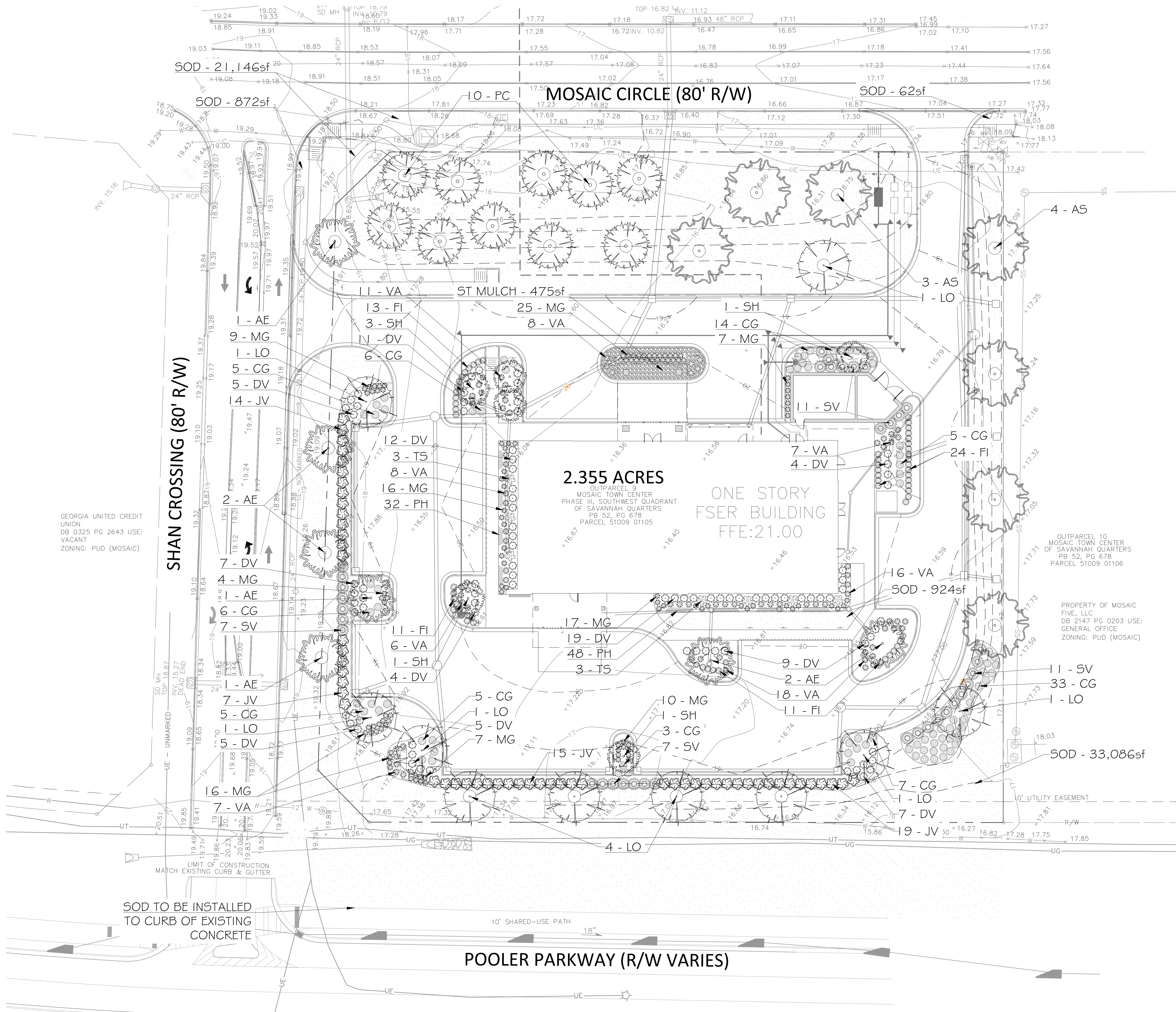
DATES OF ISSUANCE

TITLE UTILITY DETAILS

SHEET

C611

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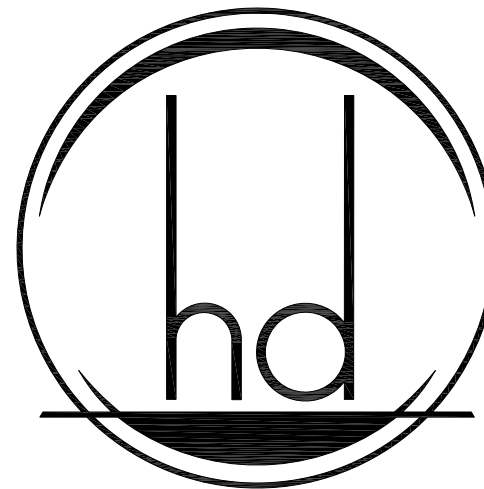
PLANT SCHEDULE

ABRV.	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HEIGHT	SPREAD	NOTES
LO	10	LIVE OAK	Quercus virginiana	45 gal.	10'-12'	4'-5'	3" cal. minimum
PC	10	POND CYPRESS	Taxodium ascendens	45 gal.	10'-12'	4'-5'	3" cal. minimum
AE	7	AMERICAN ELM	Ulmus americanus 'Colonial Spirit'	45 gal.	10'-12'	4'-5'	3" cal. minimum; Yellow fall color
AS	7	AMERICAN SYCAMORE	Platanus occidentalis	45 gal.	10'-12'	4'-5'	3" cal. minimum
SH	6	SAVANNAH HOLLY	Ilex x attenuata 'Savannah'	45 gal.	8'-10'	3'-4'	3" cal. minimum; Tree Form
SV	36	SWEET VIBURNUM	Viburnum odoratissimum	15 gal.	3'-4'	2'-3'	
JV	55	SANDANKWA VIBURNUM	Viburnum suspensum	7 gal.	18"-24"	18"-24"	
TS	7	TEXAS SAGE	Leucophyllum futescens 'Silver Cloud'	7 gal.	18"-24"	18"-24"	
DV	88	DWARF VIBURNUM	Viburnum obovatum 'Walter's Whorled Class'	3 gal.	12"-18"	12"-18"	
VA	81	VARIEGATED ADELIA	Abelia x grandiflora 'Kaleidoscope'	3 gal.	12"-18"	12"-18"	
MG	111	PINK MUHLY GRASS	Muhlenbergia capillaris	3 gal.	12"-18"	12"-18"	
CG	89	SAND CORD GRASS	Spartina bakeri	3 gal.	12"-18"	12"-18"	
FI	59	FALSE INDIGO	Baptisia australis	1 gal.	12"-18"	10"-12"	Perennial
PH	80	PURPLE HEART PLANT	Tradescantia pallida 'Purpurea'	1 gal.	6"-8"	12"	18" SPACING o.c.; Perennial
SOD	56,090sf	BERMUDA SOD	Cynodon dactylon 'Celebration'				

LANDSCAPE NOTES:

- Contractor to field verify sod area prior to installation.
- Trees shall not be planted within 10' of any underground utility or storm drain.
- Sod must be installed within the Pooler Parkway Right of Way to the existing curb or pavement.
- No irrigation lines shall be installed within any easements or public rights-of-way.

TREE REQUIREMENTS:
TREES REQ'D. = 2.35 AC Disturbed x 15 TREES / ACRE
= 35.25 or 36 TREES REQUIRED
TREES RETAINED = 0 TREES
TREES PLANTED (PREFERRED) = 40 TREES
TOTAL TREES PROVIDED = 40 TREES (EXCEEDS REQUIRED)



HEREFORD · DOOLEY
ARCHITECTS

11 LEA AVENUE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P 615 · 244 · 7399
F 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225027.00
CLIENT #2828000002

POOLER FREE STANDING
EMERGENCY ROOM

POOLER PARKWAY, GEORGIA, 31322

PERMIT SET



Atlantic Star LLC.
Landscape Architecture/Living Roofs
1011 N. HUNTER DRIVE
SAVANNAH, GA 31403
P: 912.398.6662 F: 912.335.3447

INGRAM CIVIL
ENGINEERING
GROUP, LLC
212 OVERLOOK CIRCLE, SUITE 105
BENTLEYVILLE, TENNESSEE 37022
615.370.7864 OFFICE
615.370.1273 FAX
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # PCE046288
SAMUEL H. BOHANNON, P.E.

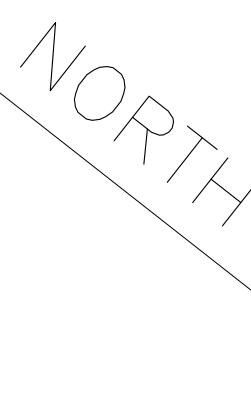
William E. Hereford, III
AR # 96247

02/23/2026

DATE OF ISSUANCE
TITLE
SHEET

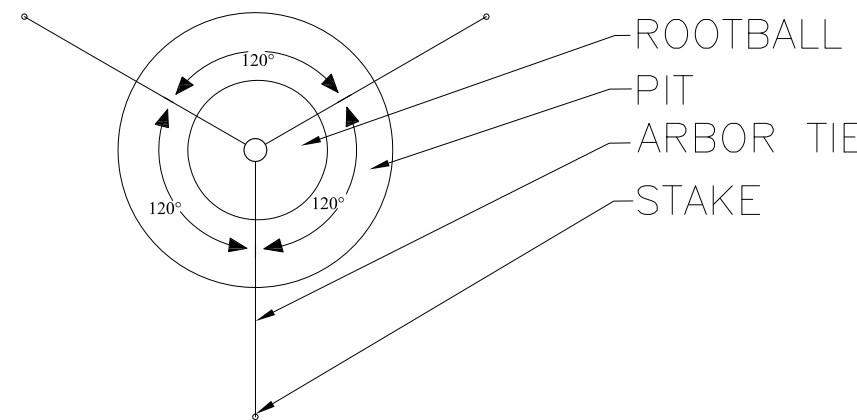
LANDSCAPE
PLAN

L100



LANDSCAPE SPECIFICATIONS

1. Contractor shall be responsible for installation of plant material according to drawings. Plant list is provided for contractor's convenience only.
2. The contractor is hereby notified of the existence of underground utilities within the limits of the project area. The contractor shall verify the exact location of all utility lines prior to commencement of digging operations. Contractor is responsible for repairing any damaged utility lines.
3. 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 prior to opening any planting pits.
4. The contractor will be responsible for the verification that each excavated tree pit, shrub pit, and planting areas will percolate prior to adding topsoil and plants. The contractor shall fill the hole with 6" of water. Water should percolate within 24 hours.
5. Should the landscape contractor encounter unsatisfactory surface or subsurface drainage conditions, soil depth, latent soils, hard pans, other utility lines or any other conditions that will jeopardize the health and vigor of the plants, contractor must advise the landscape architect in writing prior to the installation of the plant material. Otherwise, the landscape contractor warrants that the planting areas are suitable for the proper growth and development of the plants to be installed.
6. The contractor shall be responsible for the cleanup of the site at the completion of the project and shall maintain the site in a reasonably neat and clean state throughout the installation process.
7. Plants shall be guaranteed for the period of (1) year after date of acceptance 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.
8. Replacements or unsatisfactory material shall be made as specified on plant list. The Owner or landscape architect shall inspect plants when all replacements have been made. Replacements are to be alive and in a healthy condition at time of planting. Replacements are not subject to an additional guarantee.
9. Should the contractor not make replacements in a satisfactory and timely fashion, the Owner, after proper notification to the contractor, may utilize the funds of the retainage to have the replacements made in accordance with the specifications by another contractor.
10. Contractor's prices shall include all labor and material necessary to complete the work I.E. mulch, planting soil mix, wood and wire staking material, etc. Contractor shall provide equipment as necessary to execute and complete proposed landscape / irrigation in a timely manner complying with the completion date.
11. Plants shall be sound, healthy and vigorous, well branched and densely foliated when in leaf. They shall be free of disease, insect pests, eggs or larvae, and shall healthy, well developed root systems. Plants shall be from a nursery within 300 miles of the project location and shall have been grown under climate conditions similar to those in the locality of the project. Shade trees and trees in rows shall be straight and uniform in size and shape.
12. 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 unless noted otherwise in the plant schedule.
13. Remove burlap/strapping and wire basket from top 1/3 of rootball on B+B trees. Remove all plastic, paper or metal around root balls of shrubs and container trees.
14. Tree guying material should be arbor tie or equivalent.
15. Water in all plant material immediately after planting. Earth saucers shall be constructed around the perimeter of planting holes of all trees and single planted shrubs. Earth saucers shall be a minimum of 3" high and compacted to retain water. Earth saucers shall not be installed in areas where the subsoil is very poorly drained or around mass shrub/groundcover plantings.
16. Soil / mulch saucers to be 6' (min) diameters for all trees not included within a mulch bed.
17. Provide 3" thickness mulch at all plants and planting beds. Mulch shall be pine straw unless otherwise noted on the plans or details.
18. Stone mulch shall be #57 River Rock at 3" thickness. Contractor shall install a No. 4 Geotextile Filter Fabric prior to spreading stone. Contractor shall cut fabric around irrigation piping and sprinklers, and shall run any drip tube on top of the fabric.
19. Provide trench edging 4" wide at shrub beds and lawn areas unless otherwise noted.
20. Maintenance work shall be performed until date of final acceptance by owner and landscape architect. Maintenance includes, but is not limited to, watering, weeding, cultivating, removal of dead material, resetting plants to proper grades or upright position, lawn mowing, fertilizing, and other necessary operations.
21. All areas of planting, including areas of grass seeding and sod, shall be graded to provide positive drainage and shall be comprised of a mixture of the topsoil fill and Biodynamic Planting Mix from Longwood Plantation (Mike Smith 912.690.0764). The landscape contractor shall prepare all planting beds with 4" of planting mix according to shrub planting detail. Planting areas must be tilled in to evenly distribute compost. Planting Mix to be installed in every tree pit according to tree planting detail.
22. All areas within limits of construction shall be fine graded to the desired grades. All areas within limits of construction are to be free of roots, debris and/or other objectionable material before planting or grassing commence. Any additional fill material needed to fill low or uneven areas shall be a locally sourced screened topsoil, and shall be provided by the contractor. Positive drainage away from structures shall be provided in all plant beds so standing water does not occur. Planting beds shall be raised above adjacent lawn areas to provide good drainage conditions.



PLAN

NOTES:

1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
2. IMMEDIATELY SOAK WITH WATER.
3. DO NOT BREAK ROOTBALL.
4. REMOVE ALL STRINGS FROM TREES BEFORE PLANTING.

EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL.

FINISHED GRADE

ADD EXCAVATED SOIL AS NEEDED TO BRING TREE TO 1" ABOVE FINISHED GRADE. TAMP LIGHTLY BUT THOROUGHLY PRIOR TO SETTING TREE TO PREVENT SETTLING.

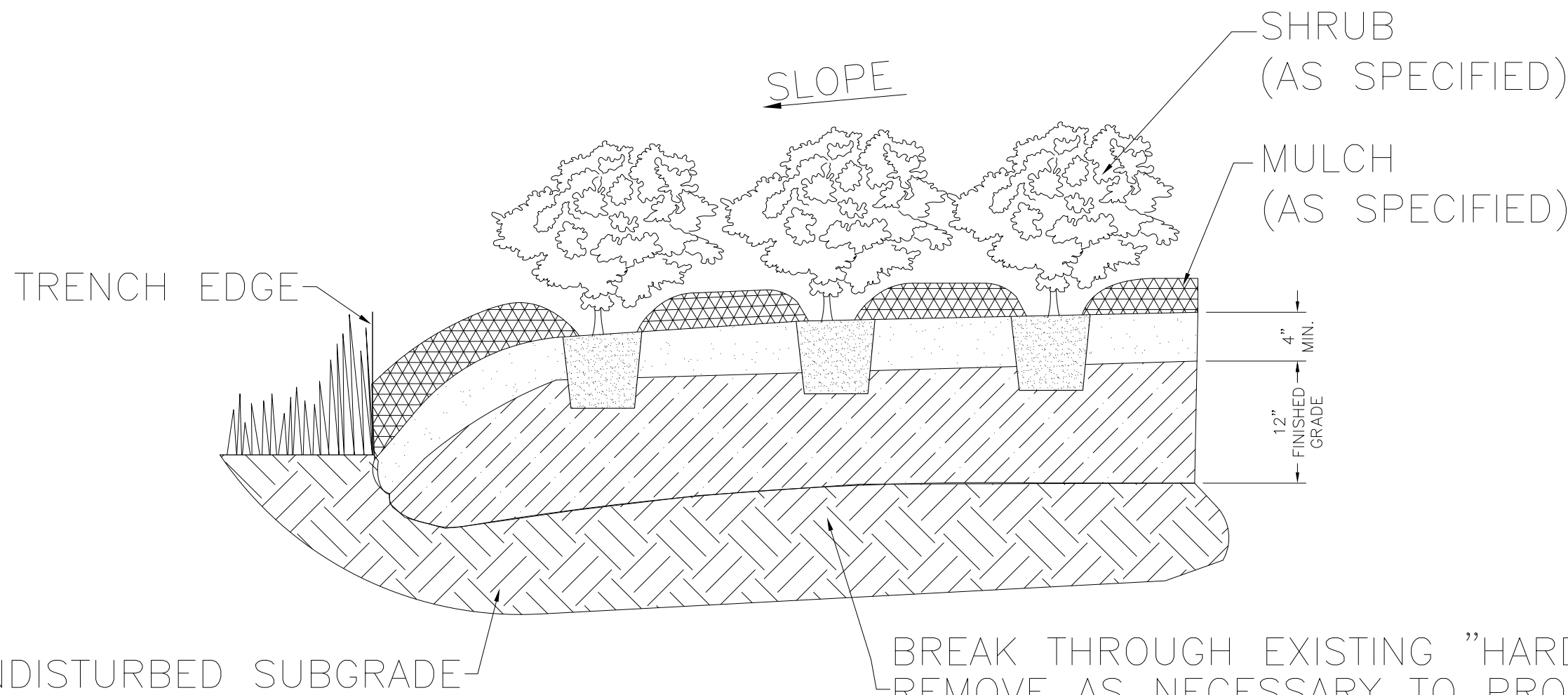
SECTION

TREE PLANTING DETAIL

FOR TREES 1"–12" CAL. AND OVER
N.T.S.

PLANTING PROCEDURE

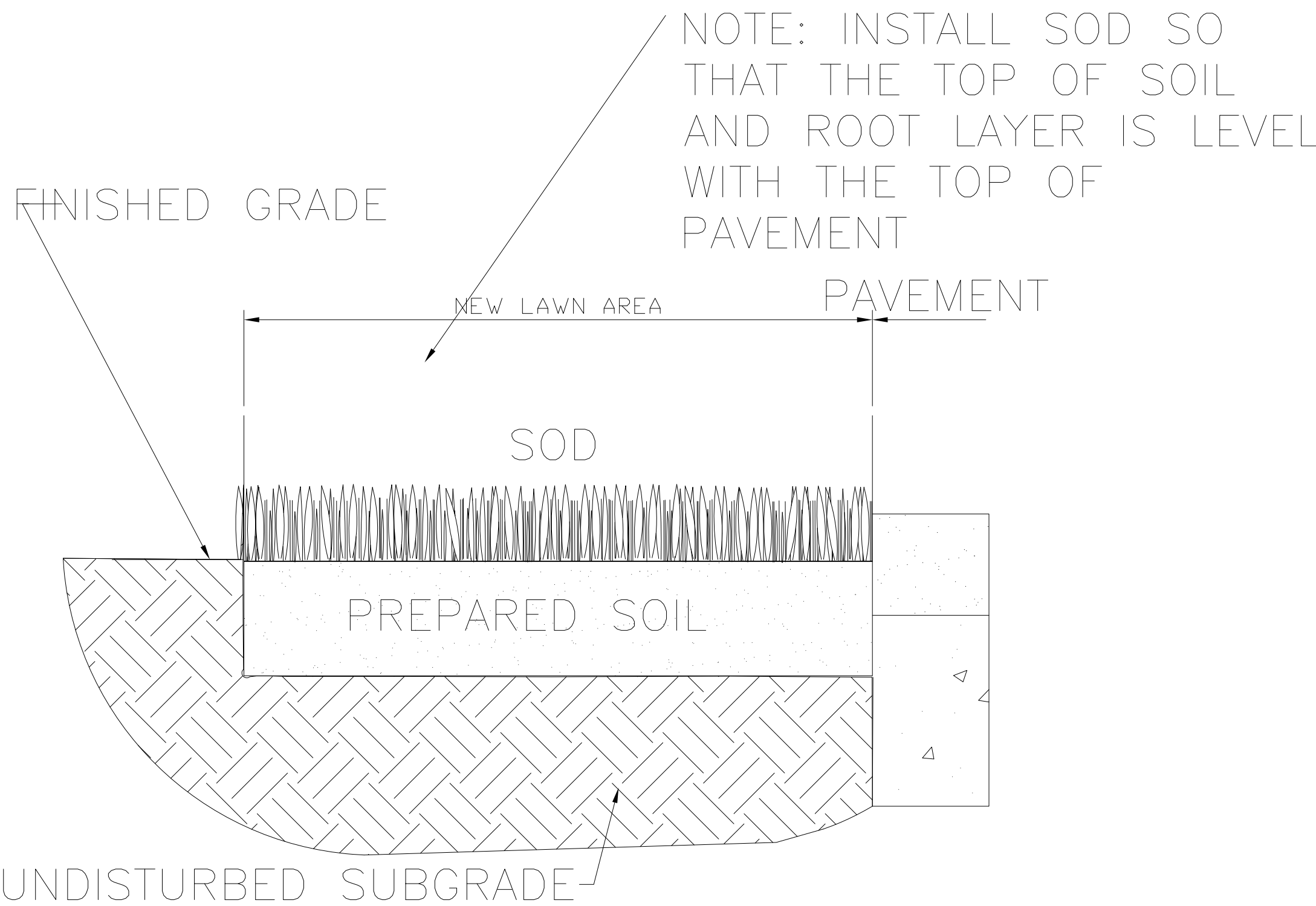
1. EXCAVATE ROOTBALL PIT.
2. ADD EXCAVATED SOIL AND TAMP. SET TREE SUCH THAT TOP OF ROOTBALL IS A MINIMUM OF 1" HIGHER THAN FINISHED GRADE.
3. BACKFILL WITH SOIL MIX AND "WATER IN".
4. COMPLETE BACKFILLING, CONSTRUCT AN EARTH SAUCER AND ADD SPECIFIED MULCH SUCH THAT THE MULCH IS NOT UP AGAINST THE TREE TRUNK.
5. STAKE & GUY SECURELY AS NEEDED.



PLANTING PROCEDURE

1. LAY OUT BED AND OUTLINE WITH TRENCH EDGE, PLACE SOIL FROM EDGE WITHIN BED.
2. ROTOTILL BED TO A DEPTH OF 12". SPREAD 4" LAYER OF PLANTING SOIL MIX OVER BED. ROTOTILL SOIL MIX INTO TOP OF BED. INSTALL PLANTS AND MULCH. WATER THOROUGHLY.

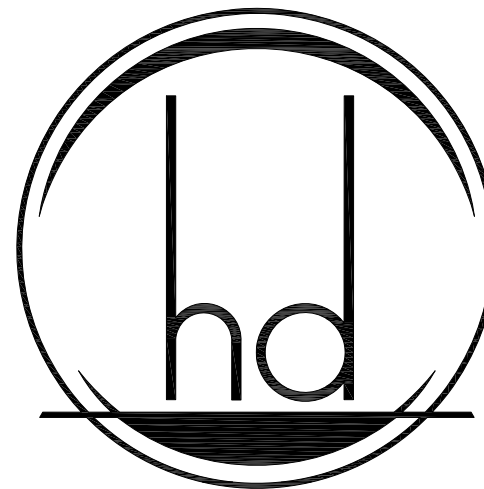
SHRUB PLANTING
N.T.S.



SODDING PROCEDURE

1. PREPARE FINISH GRADE (AS PER SPECIFICATIONS).
2. WATER AREA TO BE SODDED PRIOR TO LAYING SOD.
3. LAY SOD; ROLL SOD, AND WATER THOROUGHLY.

SODDING DETAIL
N.T.S.



HEREFORD - DOOLEY
ARCHITECTS

11 LEA AVENUE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P 615 · 244 · 7399
F 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225027.00
CLIENT #282800002

POOLER FREE STANDING
EMERGENCY ROOM

POOLER PARKWAY, GEORGIA, 31322

PERMIT SET

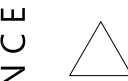


Atlantic Star LLC
Landscape Architecture/Living Roofs
201 Whitaker Drive
Lawrenceville, GA 30046
P: 913.598.6662 F: 913.335.3447

INGRAM CIVIL
ENGINEERING
GROUP, LLC
212 OVERLOOK CIRCLE, SUITE 105
BENTONVILLE, TENNESSEE 37027
615.370.7864 OFFICE
615.370.1273 FAX
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # PC 64528
SAMUEL H. BOHANNON, P.E.

William E. Hereford, III
AR # 96247

02/23/2026

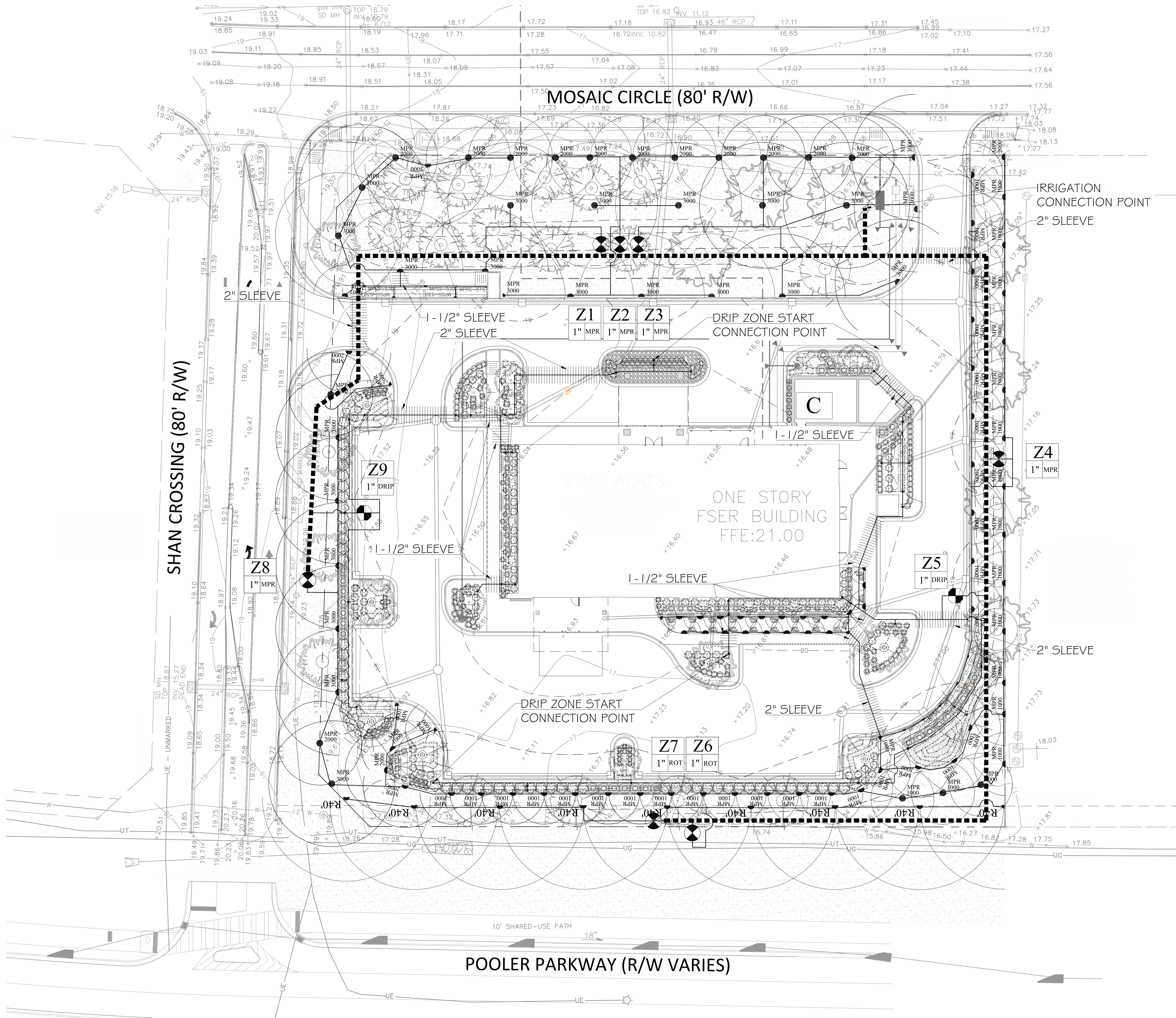


DATES OF ISSUANCE

LANDSCAPE
DETAILS &
SPECIFICATIONS

L110

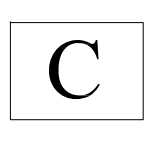
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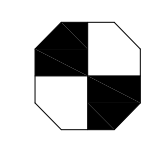


Irrigation Notes:

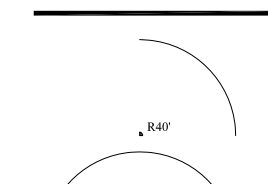
1. Irrigation equipment and piping are drawn outside of landscaped areas to improve clarity on the plan. Contractor to install equipment and piping within landscape areas, and through sleeving if traversing pavements.
2. No irrigation lines shall be installed within any easements or public rights-of-way. Any equipment and piping drawn outside of property boundaries and within easements are drawn to improve clarity on the plan.

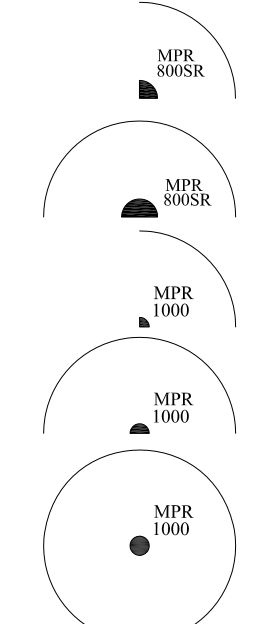
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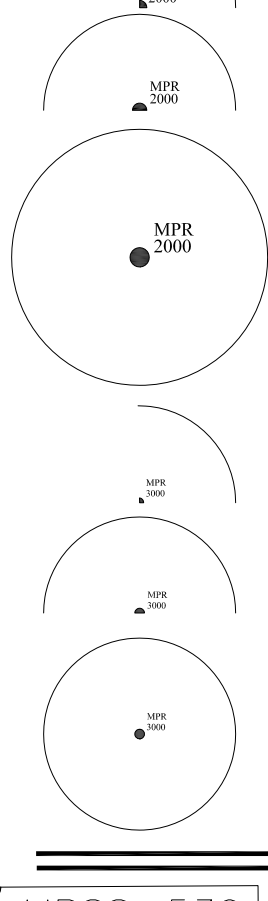
 HUNTER I-CORE IRRIGATION CONTROLLER

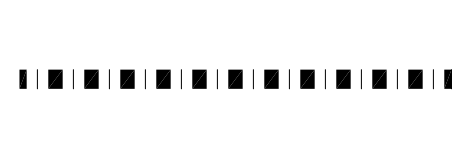
 HUNTER 1" DRIP ZONE CONTROL KIT

 HUNTER 1" ICV VALVE

 HUNTER I-20 ROTORS W/ STANDARD NO. 5 BLUE NOZZLE

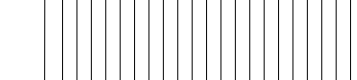
 HUNTER PRO-SPRAY PROS-06-PRS40-CV W/ MP ROTATOR NOZZLES

 HUNTER PROS-06-PRS40-CV W/ SIDE STRIP, & RIGHT CORNER NOZZLES

 HUNTER IN LINE EMITTER DRIP TUBE @ 12" SPACING 0.9GPH

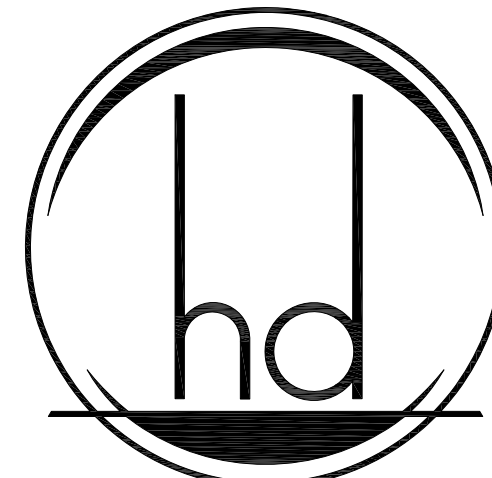
 1" MAIN LINE

 ZONE LINE

 SLEEVE



NORTH



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11 LEA AVENUE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
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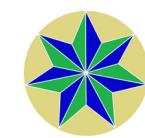
CLIENT #2828000002

POOLER FREE STANDING
EMERGENCY ROOM

POOLER PARKWAY, GEORGIA, 31322

STATUS PERMIT SET



 **Atlantic Star LLC.**
Landscape Architecture/Living Roofs
301 HUNTER DRIVE
SAVANNAH, GA 31401
P: 912.335.6662 F: 912.335.3447

 **INGRAM CIVIL
ENGINEERING
GROUP, LLC**
212 OVERLOOK CIRCLE, SUITE 105
BRYNMAWR, TENNESSEE 37027
615.370.1964 OFFICE
615.370.1273 FAX
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # PE 64628
SAMUEL H. BOHANNON, P.E.

William E. Hereford, III
AR # 96247

02/23/2026

SHEET DATES OF ISSUANCE

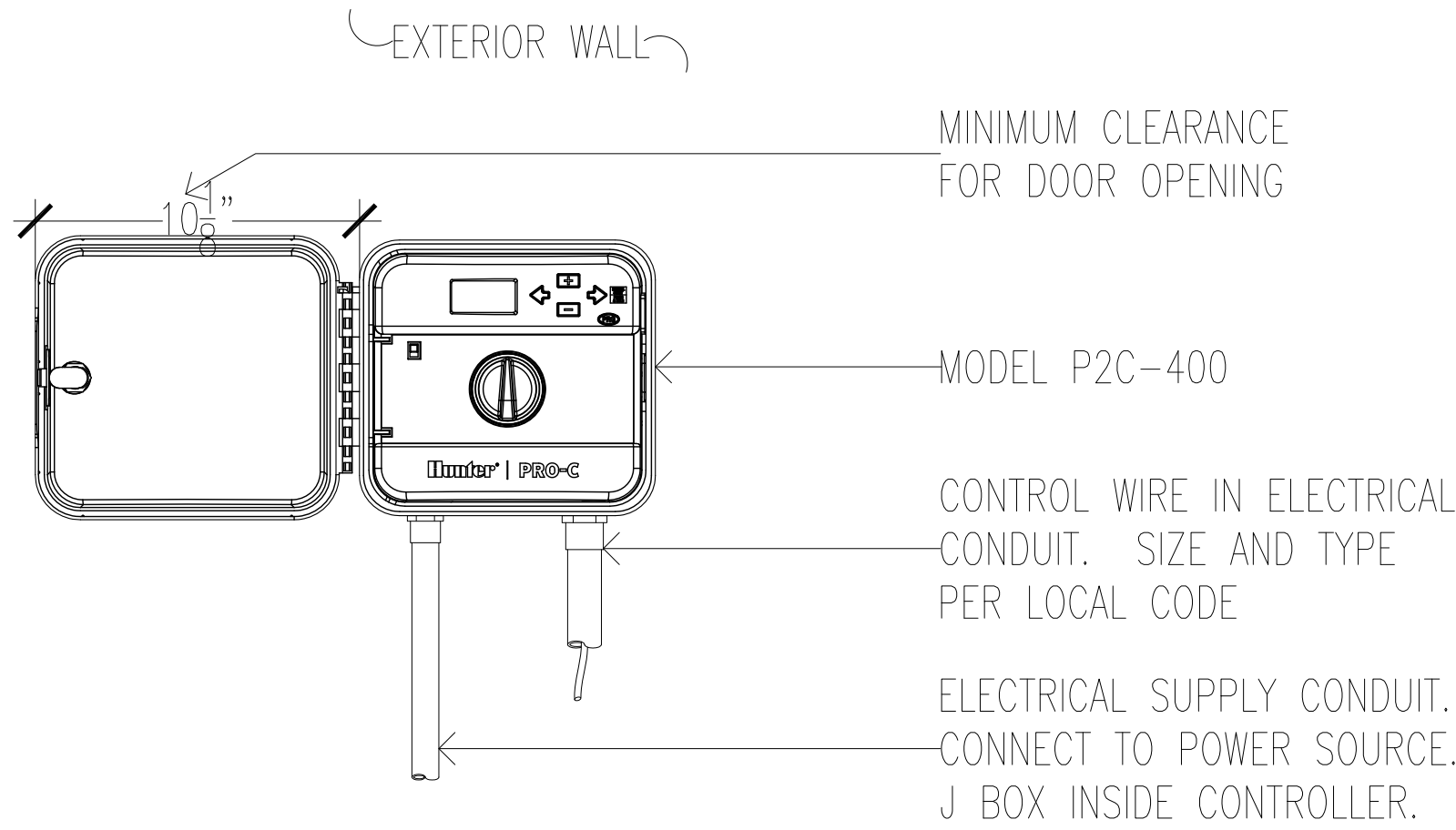
TITLE IRRIGATION
PLAN

L200

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GENERAL IRRIGATION SPECIFICATIONS

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCAL ORDINANCES REGARDING INSTALLATION OF BACKFLOW PREVENTER AND PERMITTING FOR IRRIGATION SYSTEM.
2. ALL IRRIGATION LINES SHALL BE BELOW THE FROST LINE.
3. ALL MAIN LINES TO BE CLASS 200 P.V.C. AND ALL ZONE LINES TO BE CLASS 200 P.V.C. SEE PLAN FOR SIZING.
4. ALL SLEEVES TO BE SCHEDULE 40 P.V.C. FOR BOTH WATER LINES AND CONTROL LINES. SLEEVES SHALL BE PLACED UNDER PAVED AREAS AS SHOWN ON PLANS. SEE PLANS FOR SIZING.
5. ALL SLEEVES TO EXTEND 18" (MIN.) BEYOND BACK OF CURB OR WALKS.
6. RADIUS OF THROW MAY BE ADJUSTED AS NEEDED WITH USE OF HUNTER KEY OR RAINBIRD EQUIVALENT.
7. INSTALL HUNTER WIRELESS SOLAR SYNC OR RAINBIRD EQUIVALENT AS PER MANUFACTURER REQUIREMENTS.
8. CONTRACTOR TO VERIFY PRESSURE AND FLOW AT POINT OF CONNECTION BEFORE INSTALLATION OF IRRIGATION SYSTEM. SYSTEM DESIGN BASED ON 30GPM @ 40PSI.
9. IRRIGATION AND LANDSCAPE CONTRACTOR SHALL BE THE SAME.
10. NO ROCKS, BOULDERS OR OTHER EXTRANEIOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
11. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
12. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
13. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OR AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
14. CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING. I.E. VERIFY ROOT BALL SIZE FOR PLANTING.
15. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES) OR PER MANUFACTURERS SPECS.
16. CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
17. SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE PIPING ELECTRIC VALVES AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIALS EXISTING OR NEW.
18. RESTRAIN ALL CRITICAL BENDS AND CONNECTIONS.
19. PIPE LOCATIONS SHOWN ON PLAN ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD.
20. MAINLINES AND LATERAL LINES SHALL BE PRESSURIZED AND VISUALLY CHECKED FOR LEAKS. CONTRACTOR TO REPAIR ANY LEAKS FOUND.
21. CONTRACTOR MUST PERFORM OPERATIONAL TEST AND DEMONSTRATE THAT FULL COVERAGE IS ACHIEVED.
22. CONTRACTOR MUST SUBMIT FOR WRITTEN APPROVAL, PRIOR TO INSTALLATION, (5) COPIES OF THE MANUFACTURER'S CUT SHEETS/SPECIFICATIONS FOR ALL COMPONENTS TO BE USED IN THE IRRIGATION SYSTEM.
23. AS A CONDITION OF FINAL ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE OWNER WITH: 1. AS BUILT DRAWINGS IN HARDCOPY AND ELECTRONIC PDF FORMAT. 2. CONTROLLER CHART THAT SHOWS EACH AREA THAT IS CONTROLLED BY A REMOTE CONTROL VALVE. CHART WILL BE REDUCED TO SIZE THAT FITS INTO CONTROLLER CHART AND LAMINATED FOR PROTECTION. 3. GROUNDING CERTIFICATION FOR EACH CONTROLLER BY A LICENSED ELECTRICIAN. 4. FLOW METER CALIBRATION REPORTS FOR ALL FLOW METERS.
24. FINAL ACCEPTANCE OF THE IRRIGATION SYSTEM WILL BE GIVEN AFTER THE FOLLOWING DOCUMENTS AND CONDITIONS HAVE BEEN COMPLETED AND APPROVED. FINAL PAYMENT WILL NOT BE RELEASED UNTIL THESE CONDITIONS ARE SATISFIED. 1. ALL ABOVE INSPECTIONS ARE COMPLETED, DOCUMENTED AND APPROVED BY OWNER. 2. COMPLETION AND ACCEPTANCE OF AS BUILT DRAWINGS. 3. ACCEPTANCE OF REQUIRED CONTROLLER CHARTS AND PLACEMENT INSIDE OF CONTROLLER. 4. ALL OTHER SUBMITTALS HAVE BEEN MADE TO THE SATISFACTION OF THE OWNER.
25. THE IRRIGATION SYSTEM SHALL BE GUARANTEED FOR (1) YEAR AFTER THE DATE OF FINAL ACCEPTANCE.
26. REFER TO MANUFACTURER'S WARRANTY FOR EACH COMPONENT OF IRRIGATION SYSTEM.

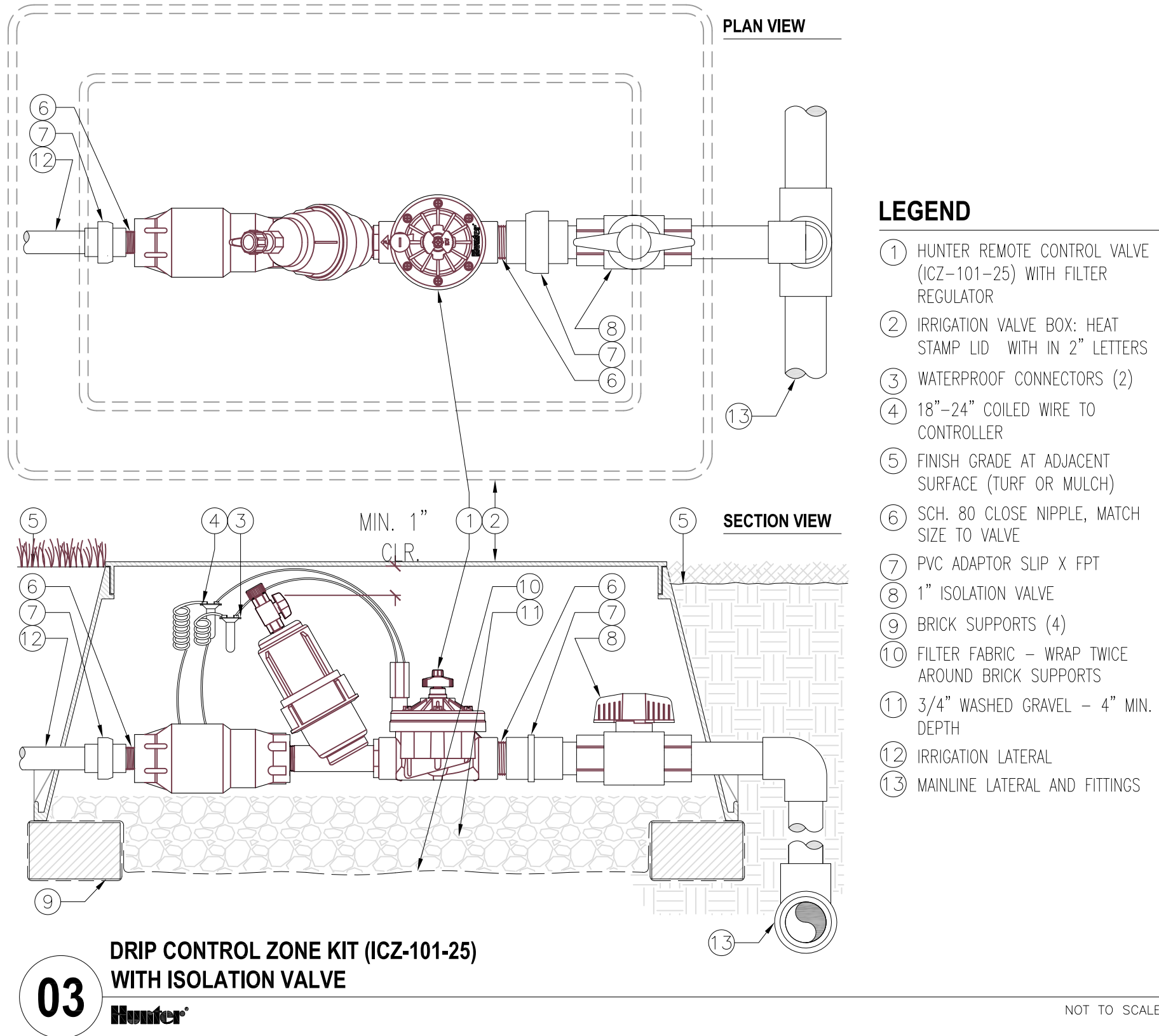


NOTE

10 STATION MODEL CONTROLLER. MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC SOURCE.

01 PRO-C CONTROLLER

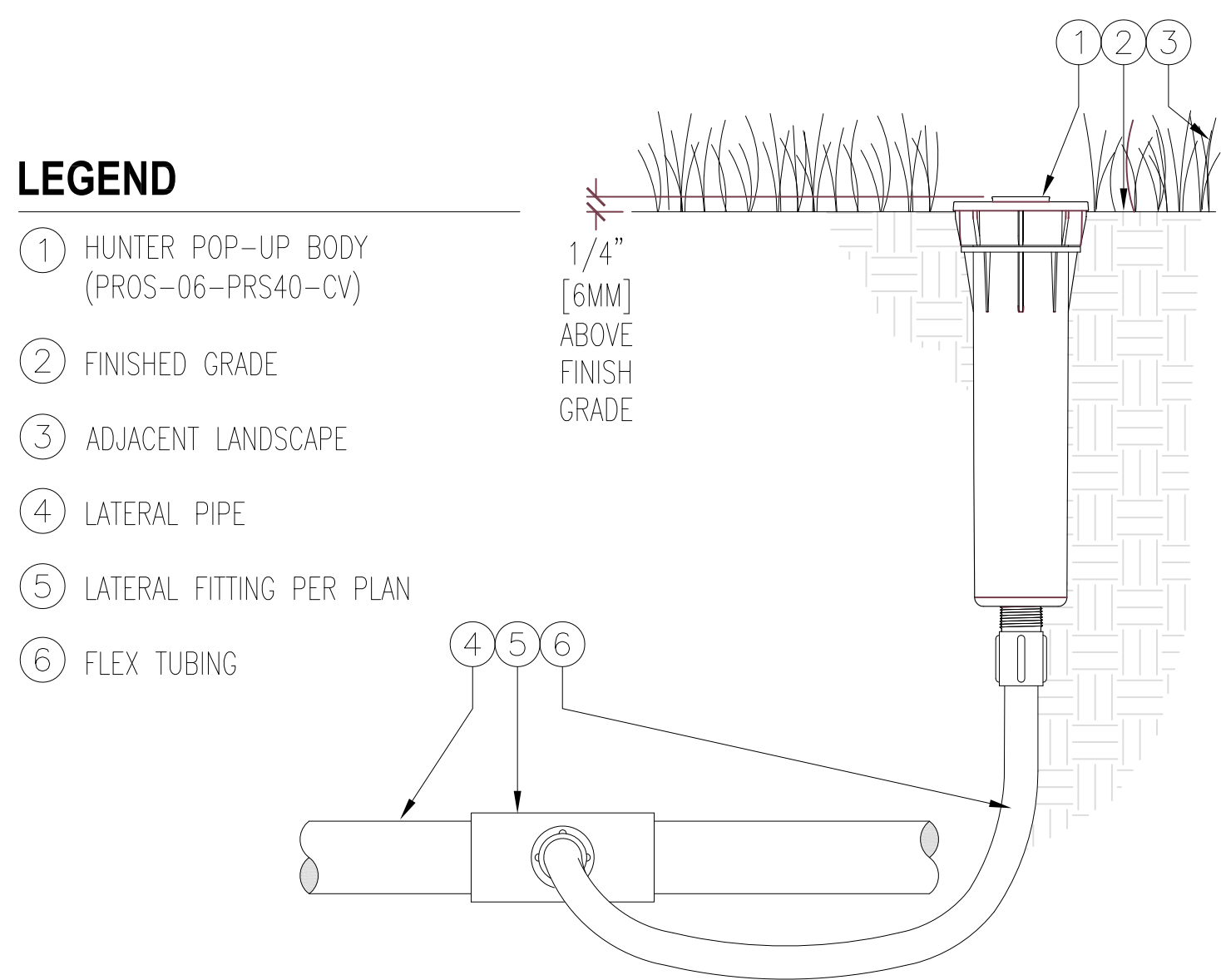
SCALE: N.T.S. Hunter IRRIGATION DETAIL



03 DRIP CONTROL ZONE KIT (ICZ-101-25) WITH ISOLATION VALVE

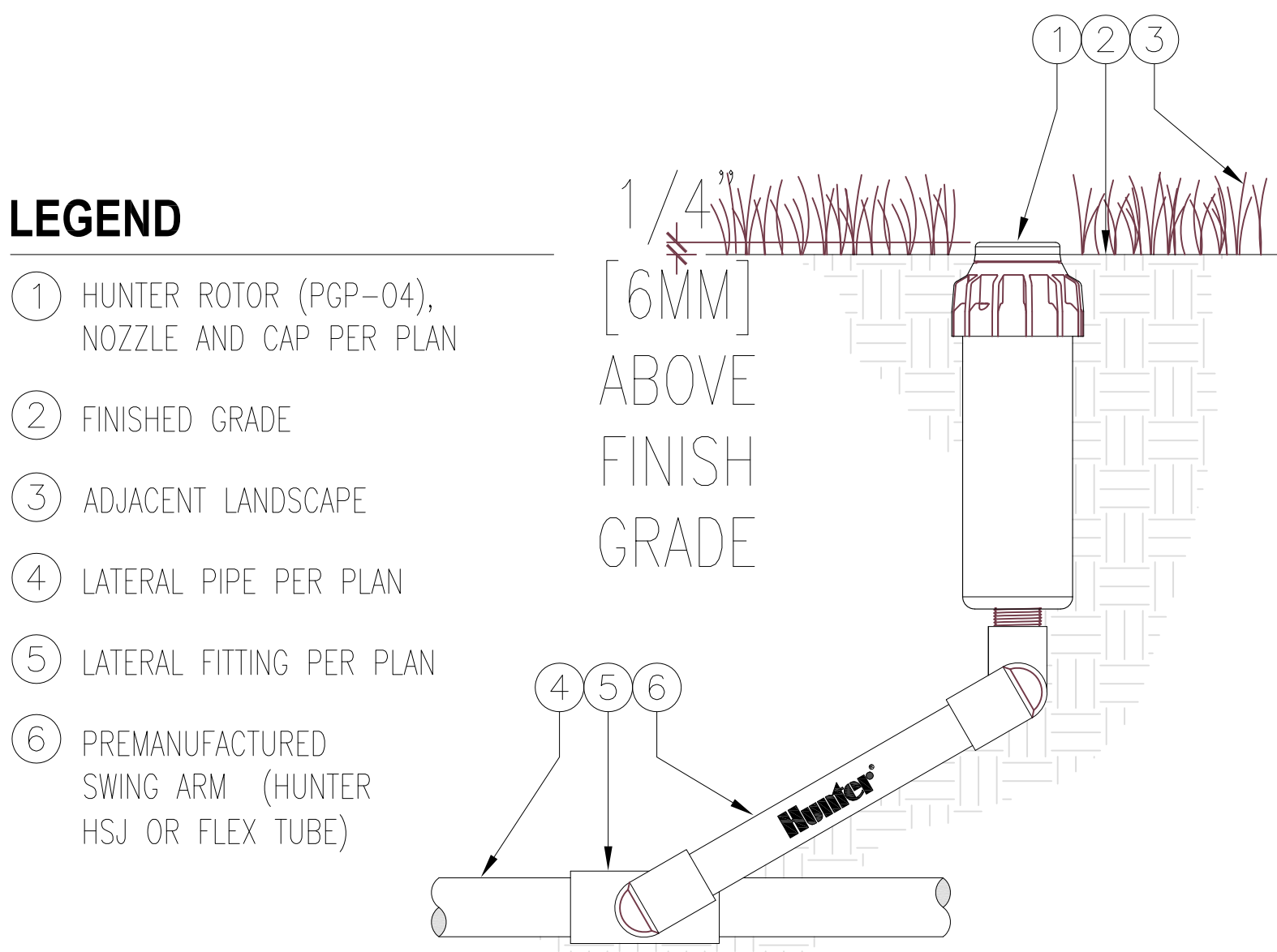
Hunter

NOT TO SCALE



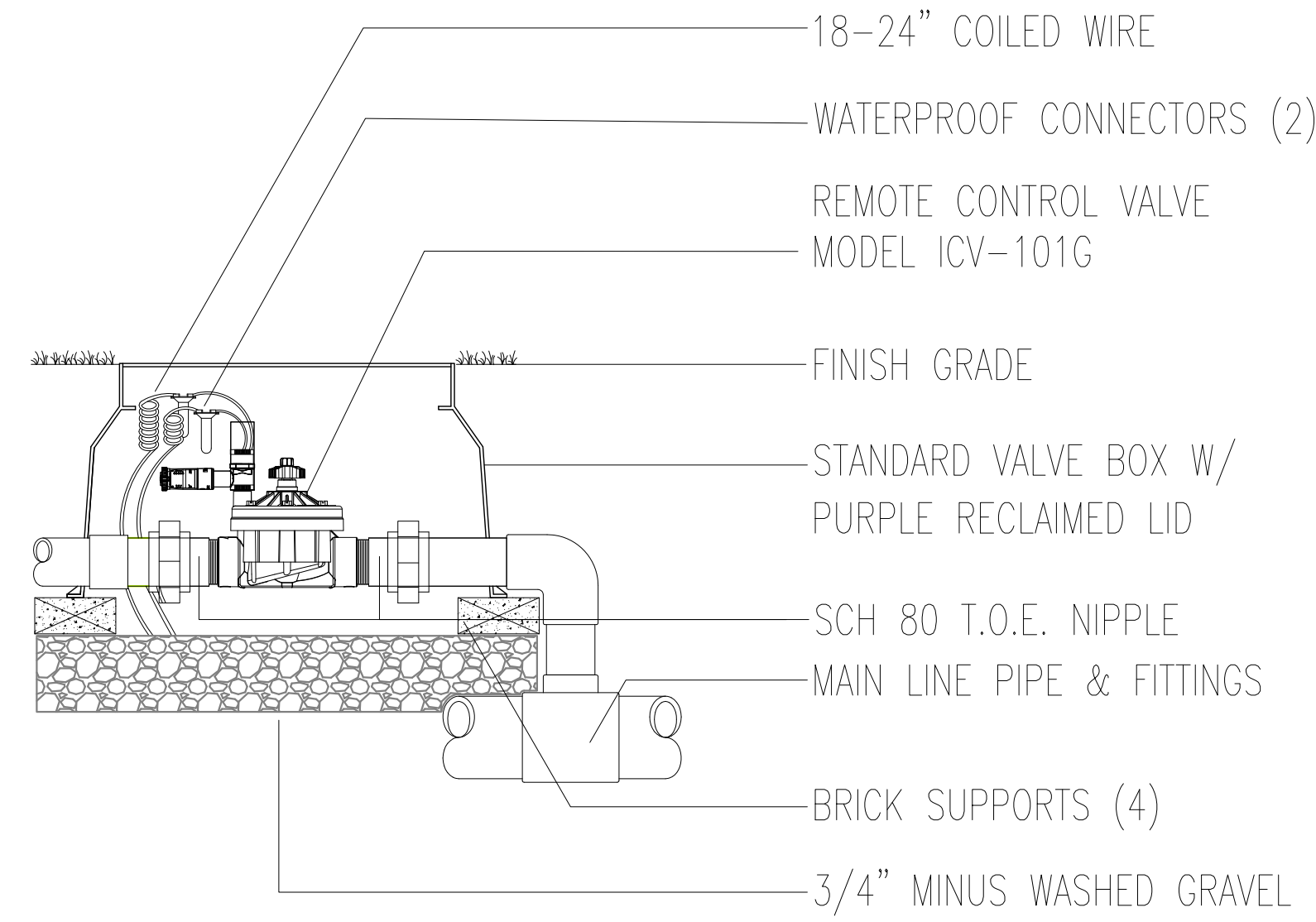
04 POP-UP BODY (PROS-06-PRS40-CV) WITH FLEX TUBING

Hunter SB.PRO.25 NO SCALE



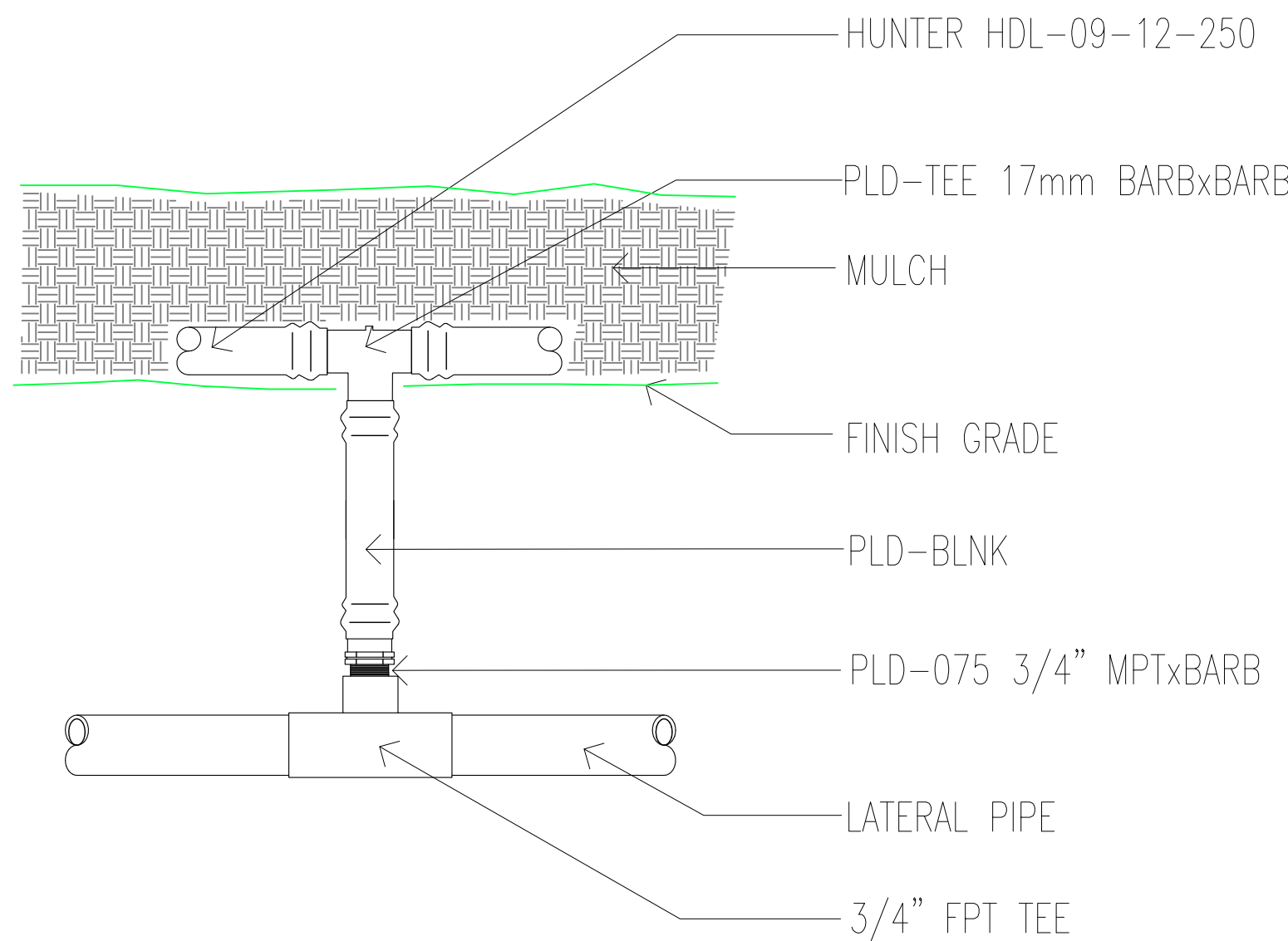
05 POP-UP ROTOR (PGP-04) WITH RIGID SWING ARM (HSJ)

Hunter NO SCALE



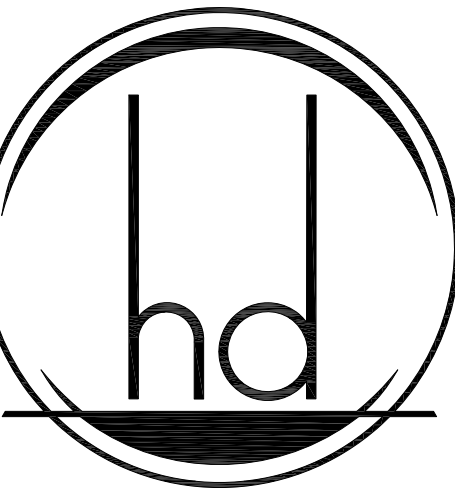
02 1" ICV GLOBE VALVE

SCALE: N.T.S. Hunter IRRIGATION DETAIL



06 START CONNECTION ABOVE GRADE

NOT TO SCALE Hunter IRRIGATION DETAIL



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POOLER FREE STANDING
EMERGENCY ROOM

POOLER PARKWAY, GEORGIA, 31322

STATUS
PERMIT SET



Atlantic Star LLC.
Landscape Architecture/Living Roofs
101 HUNTER DRIVE
NASHVILLE, TN 37203
P: 615.370.1273 F: 615.370.1275

INGRAM CIVIL
ENGINEERING
GROUP, LLC
212 OVERLOOK CIRCLE, SUITE 105
BENTONVILLE, TENNESSEE 37027
P: 615.370.1273 F: 615.370.1275
STATE OF GEORGIA
PROFESSIONAL ENGINEER
LICENSE # 96247
SAMUEL H. BOKANNON, P.E.

William E. Hereford, III
AR # 96247

02/23/2026



DATES OF ISSUANCE
TITLE
SHEET

IRRIGATION
DETAILS &
SPECIFICATIONS

L210

2/5/2026 5:45:45 PM
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ROOM SCHEDULE			
ROOM #	NAME	GROSS AREA	CLEAR AREA
119	DECON	128	100 SF
141	EXAM 1	144	131 SF
116	EXAM 2 (BH)	125	120 SF
107	EXAM 3	144	131 SF
114	EXAM 4	144	131 SF
118	EXAM 6 (AII)	151	131 SF
140	EXAM 7	144	131 SF
139	EXAM 8	144	131 SF
137	EXAM 9 (IOS)	217	204 SF
135	EXAM 10 (PELVIC)	144	131 SF
109	EXAM 11 (TRAUMA)	286	259 SF

- ### FLOOR PLAN NOTES
- G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.
 - CASEWORK FROM VENDOR IS SHADED FOR GRAPHIC CLARITY ONLY.
 - REFER TO FINISH AND VENDOR SHEETS FOR PARTITION PROTECTION INFORMATION INCLUDING BUT NOT LIMITED TO ALL CORNER GUARD TYPES AND LOCATIONS.
 - G.C. SHALL INSTALL IN-WALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.
 - G.C. SHALL INSTALL FIRE-RETARDANT WOOD BLOCKING WITHIN WALLS BASED ON CASEWORK ELEVATIONS AND ALL INTERIOR PARTITION ELEVATIONS.
 - ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD.
 - G.C. SHALL PROVIDE UL APPROVED FIRE-RESISTIVE PENETRATION SYSTEMS WHERE PLUMBING IS LOCATED IN A FIRE-RATED PARTITION ASSEMBLY.
 - ALL CORRIDOR WALLS SHALL BE CONSTRUCTED AS NON-RATED SMOKE PARTITIONS.
 - EXTEND ALL RATED WALLS TO DECK PER UL ASSEMBLY REQUIREMENTS. REFER TO G002 & G003 FOR INTERIOR PARTITION TYPES & DETAILS.
 - REFER TO G003 FOR RATED PARTITION PRIORITY AND RATED PARTITION INTERSECTIONS.
 - THE FLOOR DRAIN LOCATED IN NOURISHMENT (ROOM 111) SHALL BE LOCATED BENEATH THE ICE MAKER.
 - ROOM NAME DEFINITIONS:
AII = AIRBORNE INFECTION ISOLATION ROOM
CT = COMPUTERIZED TOMOGRAPHY
EVS = ENVIRONMENTAL SERVICES
IOS = INDIVIDUALS OF SIZE
MAT MGMT = MATERIAL MANAGEMENT
TEC = TECHNOLOGY EQUIPMENT CENTER
TDR = TELECOMMUNICATIONS DISTRIBUTION ROOM
TSER = TELECOMMUNICATIONS SERVICE ENTRANCE ROOM

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	- S -	SMOKE PARTITION
	- ◆ -	1-HR FIRE BARRIER (UL U465)
	- S ◆ -	SMOKE BARRIER (1 HR) (UL U465)
	- ◆ -	2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

- ### KEYNOTE SCHEDULE
- NOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.
- #
- 01.02 THIS WORKSTATION SHALL OPERATE AS THE 'EMS COMMUNICATIONS CENTER.' REFER TO VENDOR DRAWINGS FOR MORE INFORMATION ON EMS RADIO
 - 01.04 ACCESSIBILITY SEATING AND COMPANION SPACES
 - 01.05 PROVIDE CLEAR AREA OF 30' X 48' FOR PARALLEL APPROACH OF WHEELCHAIRS
 - 01.06 ALL FIXTURES IN THIS ROOM SHALL BE ANTI-LIGATURE. ACCESS PANELS IN THIS ROOM SHALL HAVE A KEYPAD LOCK, NOT CAMLOCK
 - 01.07 WALL @ 3'-10" AFF; PROVIDE SOLID SURFACE CAP; SEE DETAIL 9/A503 AND INTERIOR DWGS FOR FINISH
 - 01.08 NATURAL GAS ENCLOSURE; REF. SHEET A501 FOR DETAILS
 - 01.10 NO ROOF PENETRATIONS ABOVE THIS ROOM; MEP OVERHEAD PIPING SHALL NOT PASS THROUGH THIS ROOM UNLESS DIRECTLY SERVING THIS ROOM
 - 01.11 THIS WORK STATION SHALL OPERATE AS THE CENTRAL NURSE STATION
 - 01.12 NO PIPING THROUGH THIS ROOM UNLESS DIRECTLY SERVING THIS ROOM
 - 03.01 RECESS FLOOR SLAB 2" IN THE DECON ROOM 119; REF STRUCTURAL
 - 03.03 GC SHALL COORDINATE SLAB PREP WITH SPECIFIED SHOWER PAN.
 - 03.40 PROVIDE 4" CONCRETE PADS FOR EQUIPMENT; REF MECH
 - 05.02 36" HIGH GOOSE NECK PEDESTAL FOR ACCESS CONTROL. FACEPLATE BASIS OF DESIGN - PEDESTAL PRO - LANDO-CS-14X10-E
 - 05.03 PROVIDE GUIDE RAIL FOR AUTOMATIC DOORS
 - 5.21
 - 05.40 PREMANUFACTURED ALUMINUM LADDER TO ROOF HATCH
 - 06.30 PROVIDE 1/2" FIRE TREATED PLYWOOD BACKING BETWEEN METAL STUDS AT WALL-HUNG BIN LOCATIONS
 - 06.50 PROVIDE 96" HIGH FIRE TREATED PLYWOOD AT ALL WALLS THIS ROOM NEEDS TO BE FIRE SEALANT AT BOTTOM OF PARTITION AND AT ANY PENETRATIONS; DO NOT PAINT OVER FIRE RATING LABELS; REF INTERIORS FOR PAINT COLOR
 - 09.40 INSTALL PARTITION TYPE F-P DIRECTLY TO PARTITION TYPE A3-15
 - 09.41 INSTALL 3/4" PLYWOOD DIRECTLY TO PARTITION FOR HANGING ELECTRICAL EQUIPMENT
 - 09.90 PAINT 1" RED STRIPE 18" BELOW CEILING LEVEL THIS ROOM. SEE FINISH SPECIFICATIONS FOR PAINT COLOR.
 - 10.07 INTERIOR RECEPTION SIGNAGE (CFCI); REF INTERIORS
 - 10.08 PROVIDE SIGNAGE AT EXTERIOR DOOR STATING 'DECONTAMINATION'
 - 10.53 PRE-ENGINEERED CANOPY; BASIS OF DESIGN: MAPES CANOPY. FINISH TO MATCH MP 58477 - HCA SLATE
 - 11.40 PROVIDE 2" EMPTY CONDUIT FOR REMOTE RELEASE CABLING
 - 22.01 PLUMBING FIXTURE AND EQUIPMENT SHALL WITHSTAND 1000 LBS MIN. VERTICAL FORCE
 - 22.02 EMERGENCY EYEWASH; REF PLUMBING
 - 22.03 ACID RESISTANT HAND HELD SHOWER WANDS WITH MIXING VALVE; REF PLUMBING
 - 22.05 HI-LOW DRINKING FOUNTAIN; PROVIDE CANE DETECTION AT HIGH FOUNTAIN
 - 22.09 FLOOR DRAIN LOCATED BELOW EQUIPMENT; REF PLUMBING
 - 22.10 FLOOR DRAIN; REF PLUMBING AND ACCESSIBILITY INFORMATION
 - 22.13 APPROX LOCATION OF ROOF LEADER FROM ROOF DRAIN; REF PLUMBING
 - 22.14 APPROX LOCATION OF OVERFLOW LEADER FROM ROOF DRAIN; REF PLUMBING
 - 22.60 LINE PRESSURE ALARMS; REF PLUMBING
 - 22.61 MASTER ALARM PANEL; REF PLUMBING
 - 22.62 ZONE VALVE BOX; REF PLUMBING
 - 26.02 ROOM SHALL BE EQUIPPED WITH TAMPER PROOF OUTLETS THROUGHOUT
 - 26.04 APPROX LOCATION OF WARNING 'IN USE' LIGHT; REF ELECTRICAL & VENDOR DRAWINGS



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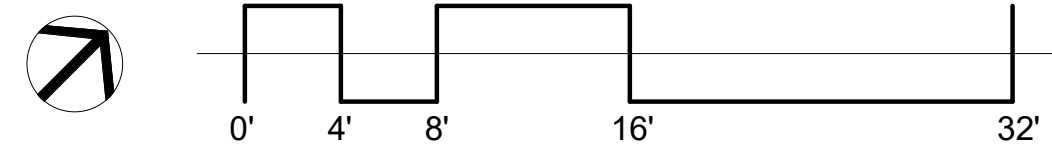
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AR # 014031

02/5/2026

FLOOR PLAN -
NOTED

A110

1 FLOOR PLAN - NOTED
SCALE: 1/8" = 1'-0"



- T.O. RED EIFS TOWER
30' - 0"
- T.O. MECH SCREEN
26' - 0"
- T.O. INTERMEDIATE PARAPET
21' - 4"
- T.O. LOW PARAPET
19' - 4"
- T.O. STEEL (EMERGENCY CANOPY)
16' - 0"
- T.O. STEEL (DECON CANOPY)
11' - 0"

4 EXTERIOR ELEVATION - NORTHEAST
SCALE: 1/8" = 1'-0"

- T.O. RED EIFS TOWER
30' - 0"
- T.O. HIGH PARAPET
26' - 0"
- T.O. INTERMEDIATE PARAPET
21' - 4"
- T.O. LOW PARAPET
19' - 4"
- T.O. STEEL (AMBULANCE CANOPY)
16' - 0"

3 EXTERIOR ELEVATION - SOUTHWEST
SCALE: 1/8" = 1'-0"

- T.O. RED EIFS TOWER
30' - 0"
- T.O. MECH SCREEN
26' - 0"
- T.O. INTERMEDIATE PARAPET
21' - 4"
- T.O. LOW PARAPET
19' - 4"
- T.O. STEEL (AMBULANCE CANOPY)
16' - 0"
- T.O. STEEL (DECON CANOPY)
11' - 0"

2 EXTERIOR ELEVATION - NORTHWEST
SCALE: 1/8" = 1'-0"

- T.O. RED EIFS TOWER
30' - 0"
- T.O. HIGH PARAPET
26' - 0"
- T.O. INTERMEDIATE PARAPET
21' - 4"
- T.O. LOW PARAPET
19' - 4"
- T.O. STEEL (EMERGENCY CANOPY)
16' - 0"

1 EXTERIOR ELEVATION - SOUTHEAST
SCALE: 1/8" = 1'-0"



ELEVATION LEGEND

PATTERN & MARKER	PRODUCT	COLOR / FINISH
B-1	BRICK OVER CMU OR METAL STUDS	SANDBLAST FINISH COLOR TO MATCH CRIMSON RED
B-2	BRICK OVER CMU OR METAL STUDS	SANDBLAST FINISH COLOR TO MATCH CRIMSON RED
E-1	EIFS OVER CMU	SANDBLAST FINISH COLOR TO MATCH DRYVIT - SUEDE 105
E-2	EIFS OVER CMU OR METAL STUDS	SANBLAST FINISH COLOR TO MATCH DRYVIT - SPECTRUM BROWN 142
E-3	EIFS OVER CMU	SANDBLAST FINISH COLOR TO MATCH DRYVIT - NATURAL WHITE 103
E-4	EIFS OVER CMU OR METAL STUDS	SANDBLAST FINISH COLOR TO MATCH DRYVIT - WHITE
E-5	EIFS OVER CMU	SANDBLAST FINISH COLOR TO MATCH CRIMSON RED
M-1	PREFINISHED METAL COPING	KYNAR 500 - COLOR TO MATCH DRYVIT - WHITE
M-2	CORRUGATED ROOF SCREEN WALL PANELS, COPING, EDGE AND CORNER TRIM	KYNAR 500 - COLOR TO MATCH SW7050 - USEFUL GRAY
#	ALUMINUM WINDOW FRAMES	CLEAR ANODIZED
#	GLAZING CLEAR / SPANDREL	GUARDIAN SUNGLARD SNX 51/23 SPANDREL = GRAY FRIT
###	EXTERIOR HM DOORS, FRAMES AND LOUVERS	ALL COMPONENTS U.N.O. COLOR TO MATCH SW7033 - BRAINSTORM BRONZE

* REFER TO SPECS FOR MANUFACTURERS

KEYNOTE SCHEDULE

#	DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.
03.48	PROVIDE 12" X 36" ROUND CONCRETE BOLLARD - BASIS OF DESIGN: WAUSAU TILE #TF6021 BOLLARD WITH 3" STEEL PIPE ANCHOR; FINISH TO BE ACID WASH A22 SAND
05.01	SCREEN WALL ASSEMBLY; SET BASE OF WALL ABOVE FINISH ROOF MIN. 12"; INSTALL ROOF AND FLASH AROUND STRUCTURAL SUPPORTS TO MEET ROOFING WARRANTY
05.02	36" HIGH GOOSE NECK PEDESTAL FOR ACCESS CONTROL. FACEPLATE BASIS OF DESIGN - PEDESTAL PRO - LANDO-CS-14X10-E
05.03	PROVIDE GUIDE RAIL FOR AUTOMATIC DOORS
09.52	ACRYLIC PLASTER FINISH SYSTEM ON EXTERIOR SHEATHING ON EXTERIOR METAL STUD FRAMING
10.04	AMBULANCE SIGN; REF SIGNAGE DETAILS FOR SIZE & LAYOUT (CFC). "SIGNAGE IS FOR REFERENCE ONLY. ALL FINAL SIGNAGE SIZES, QUANTITIES, LOCATIONS, FABRICATION, AND INSTALLATION DETAILS ARE TO BE DONE UNDER SEPARATE PERMIT."
10.53	PRE-ENGINEERED CANOPY; BASIS OF DESIGN: MAPES CANOPY. FINISH TO MATCH MP 58477 - HCA SLATE
22.06	APPROX LOCATION OF WALL HYDRANT; SEAL PIPE TO AMB; SEAL HYDRANT TO VENEER; REF PLUMBING
26.50	EXTERIOR LIGHT; SEAL BRACKET, ANCHOR, AND FASTENERS TO AMB; SEAL BRACKETS TO CLADDING; REF ELECTRICAL
27.02	TWO-WAY INTERCOM TIED BACK TO NURSE STATION; REF VENDOR DRAWINGS.

NOTE: ALL SIGNAGE SHOWN IS FOR REFERENCE ONLY, SHALL BE SEPARATE PERMIT.



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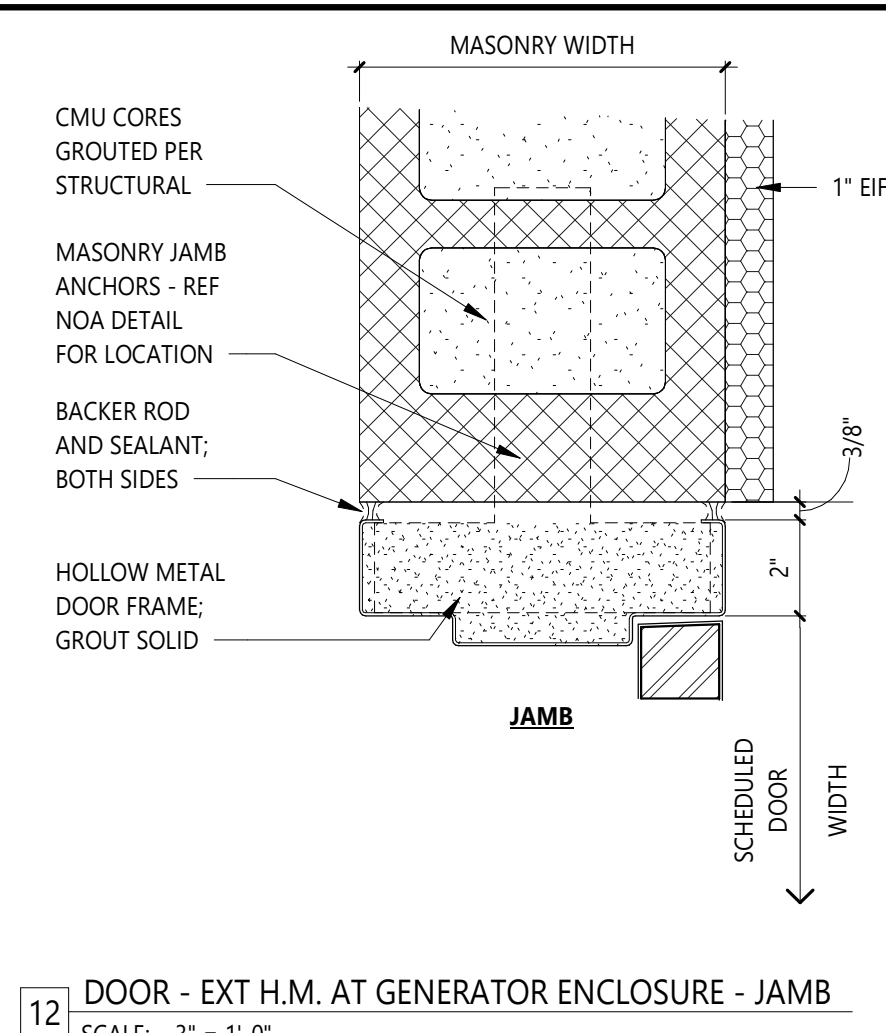
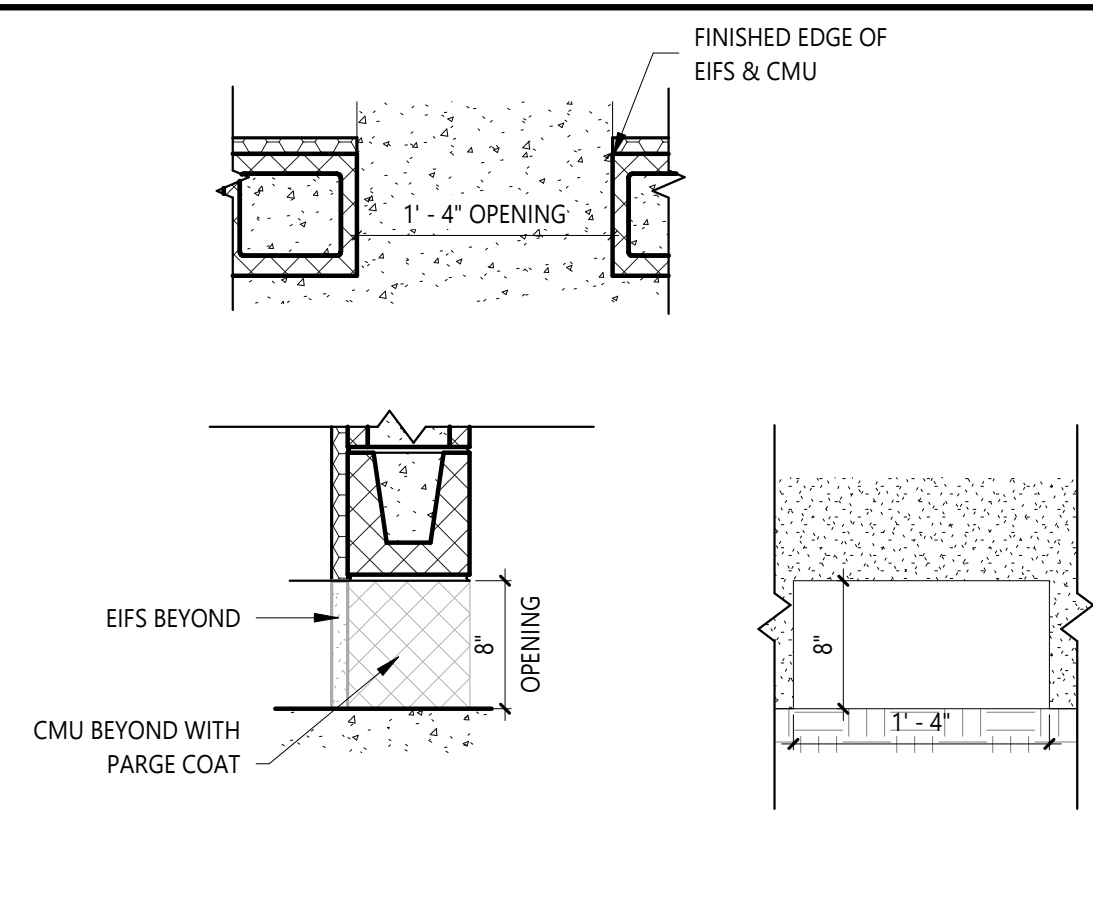
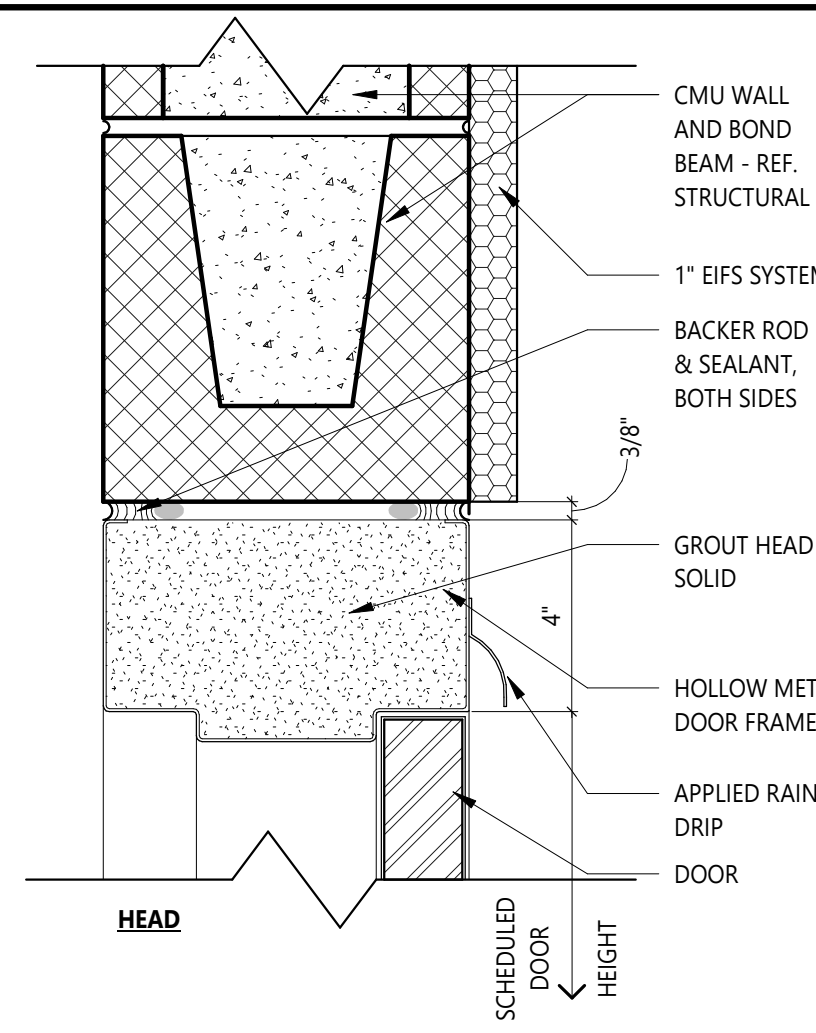
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EXTERIOR
ELEVATIONS

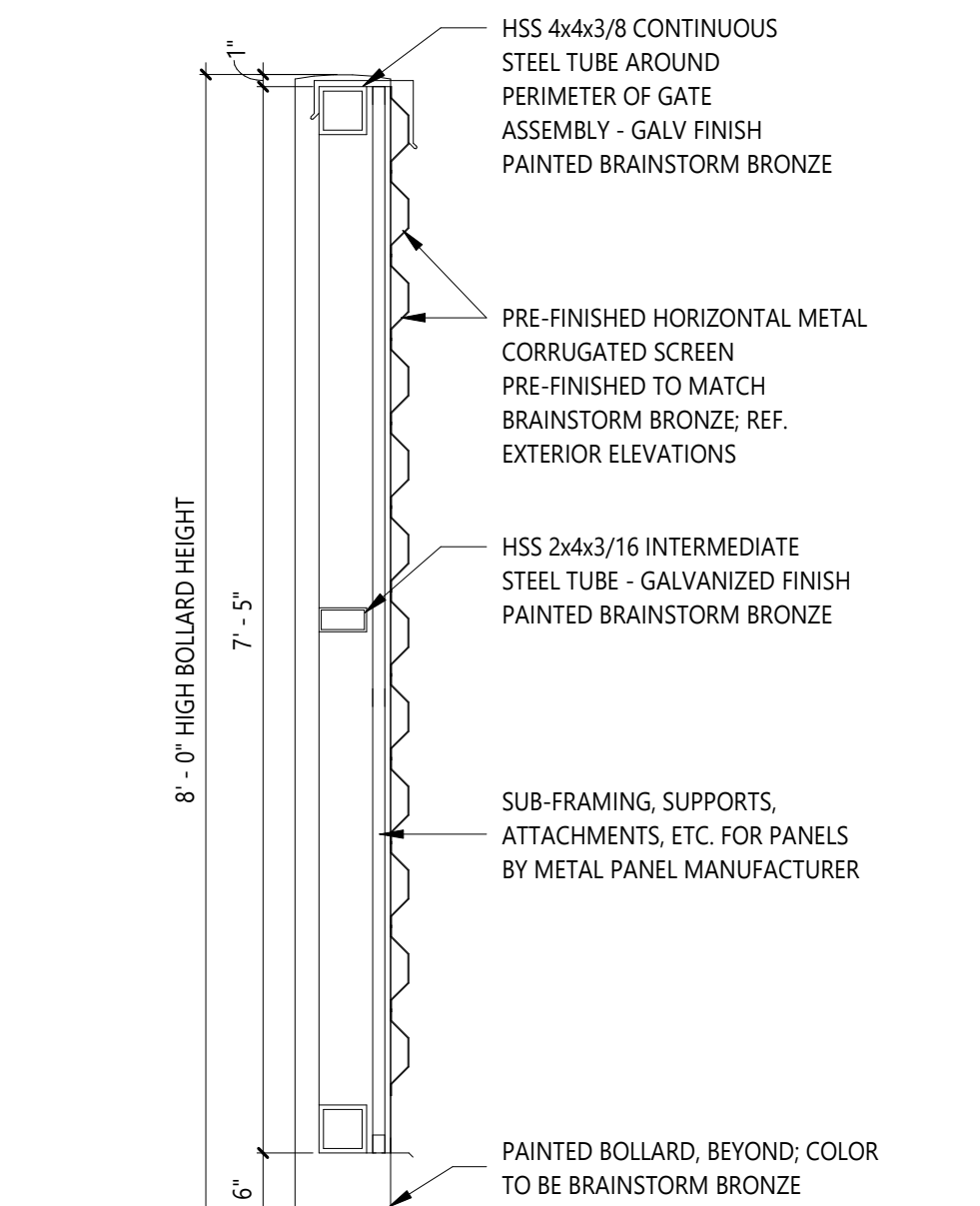
A200



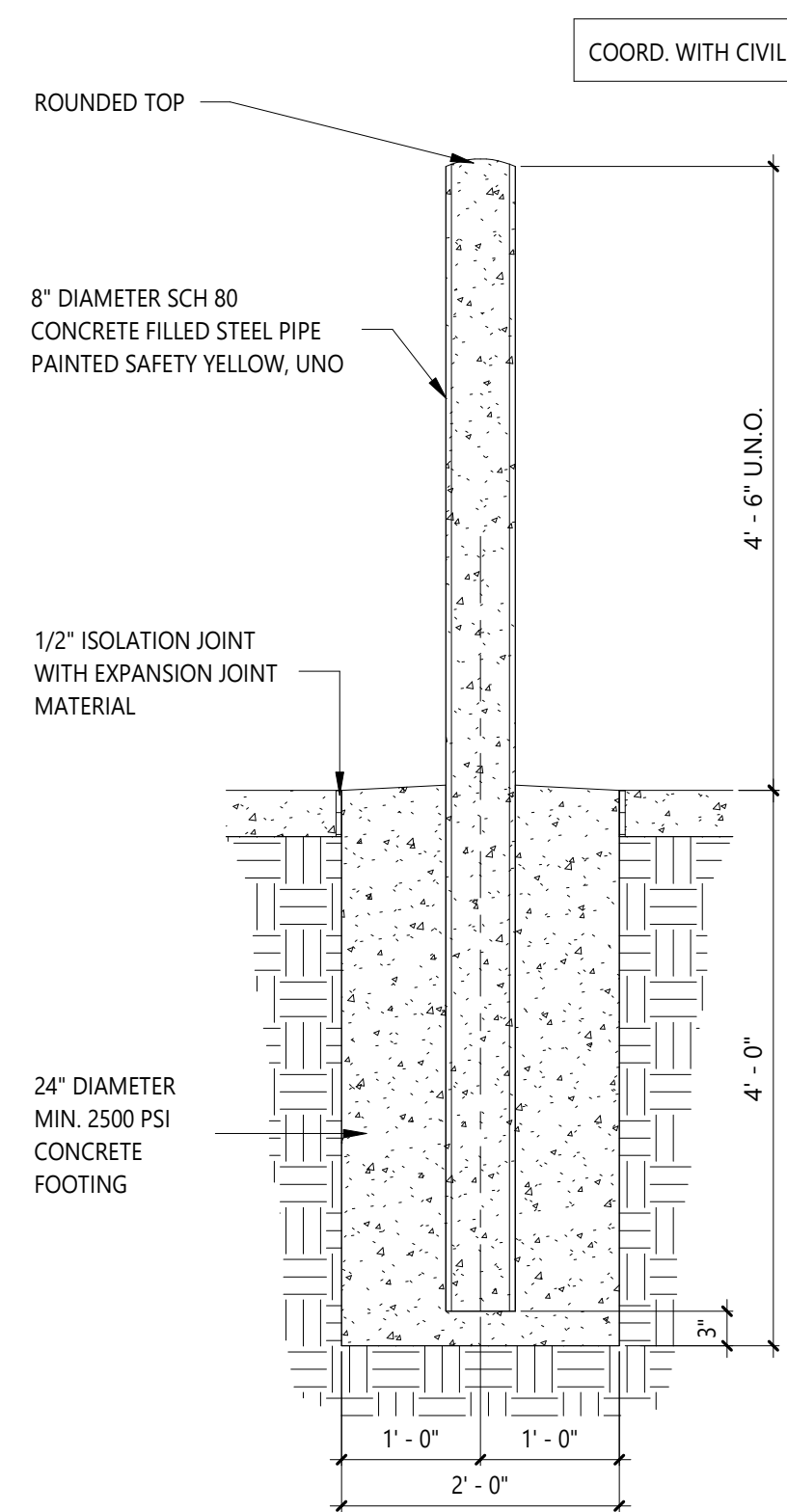
13 DOOR - EXT H.M. AT GENERATOR ENCLOSURE - HEAD
SCALE: 3" = 1'-0"

4 ENCLOSURE BLOCK OUT DETAIL
SCALE: 1" = 1'-0"

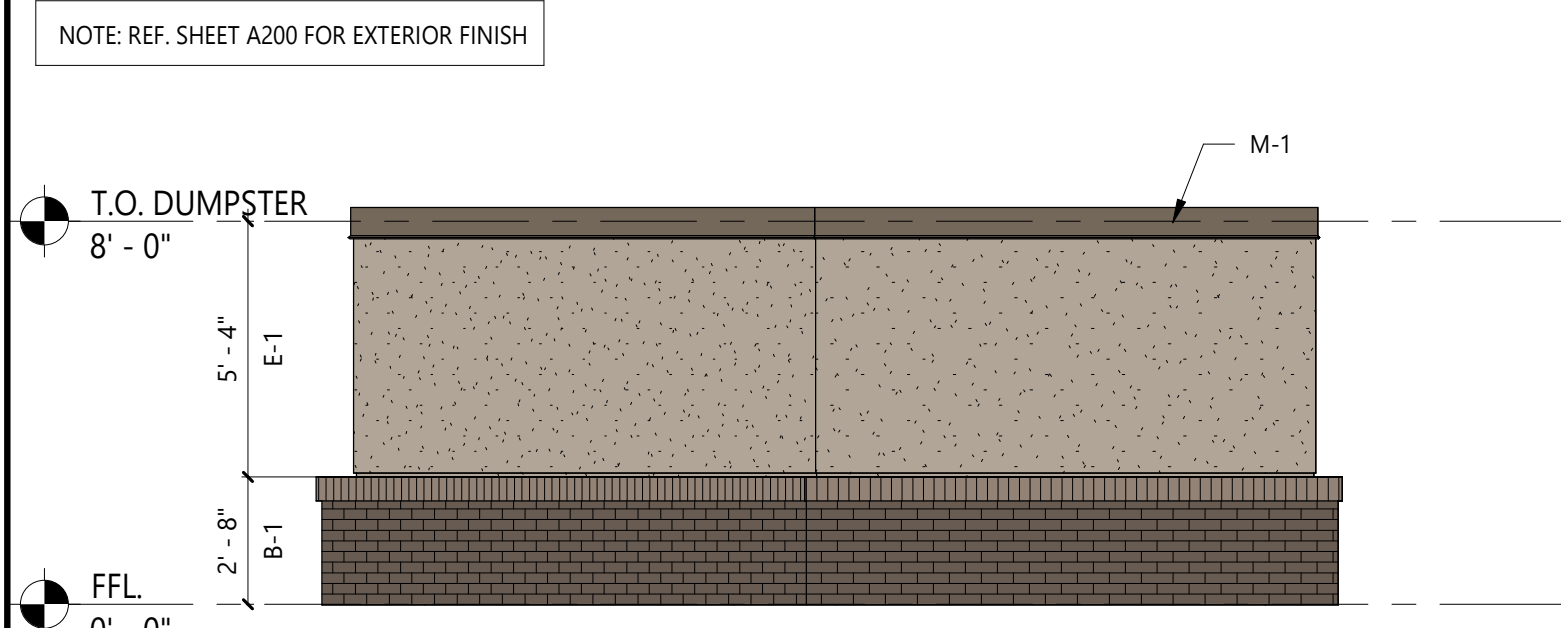
12 DOOR - EXT H.M. AT GENERATOR ENCLOSURE - JAME
SCALE: 3" = 1'-0"



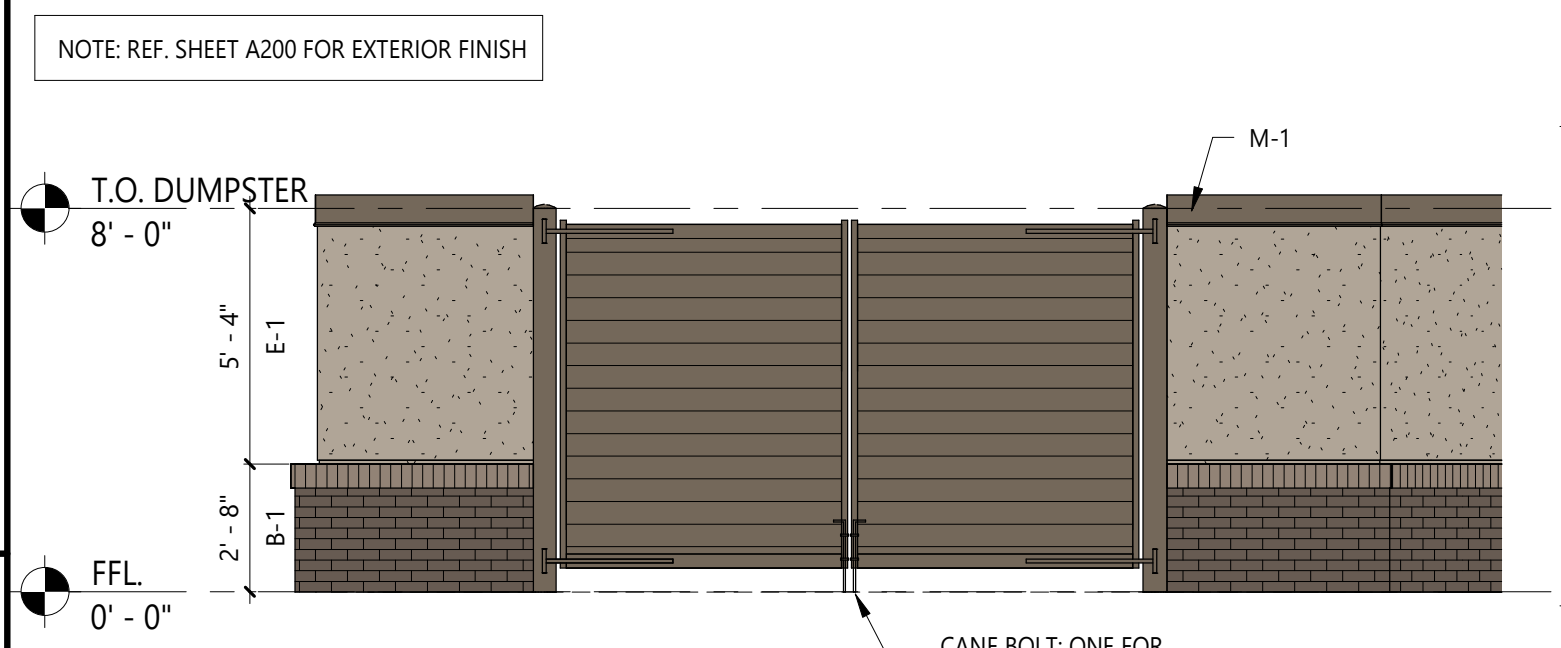
9 GATE SECTION
SCALE: 3/4" = 1'-0"



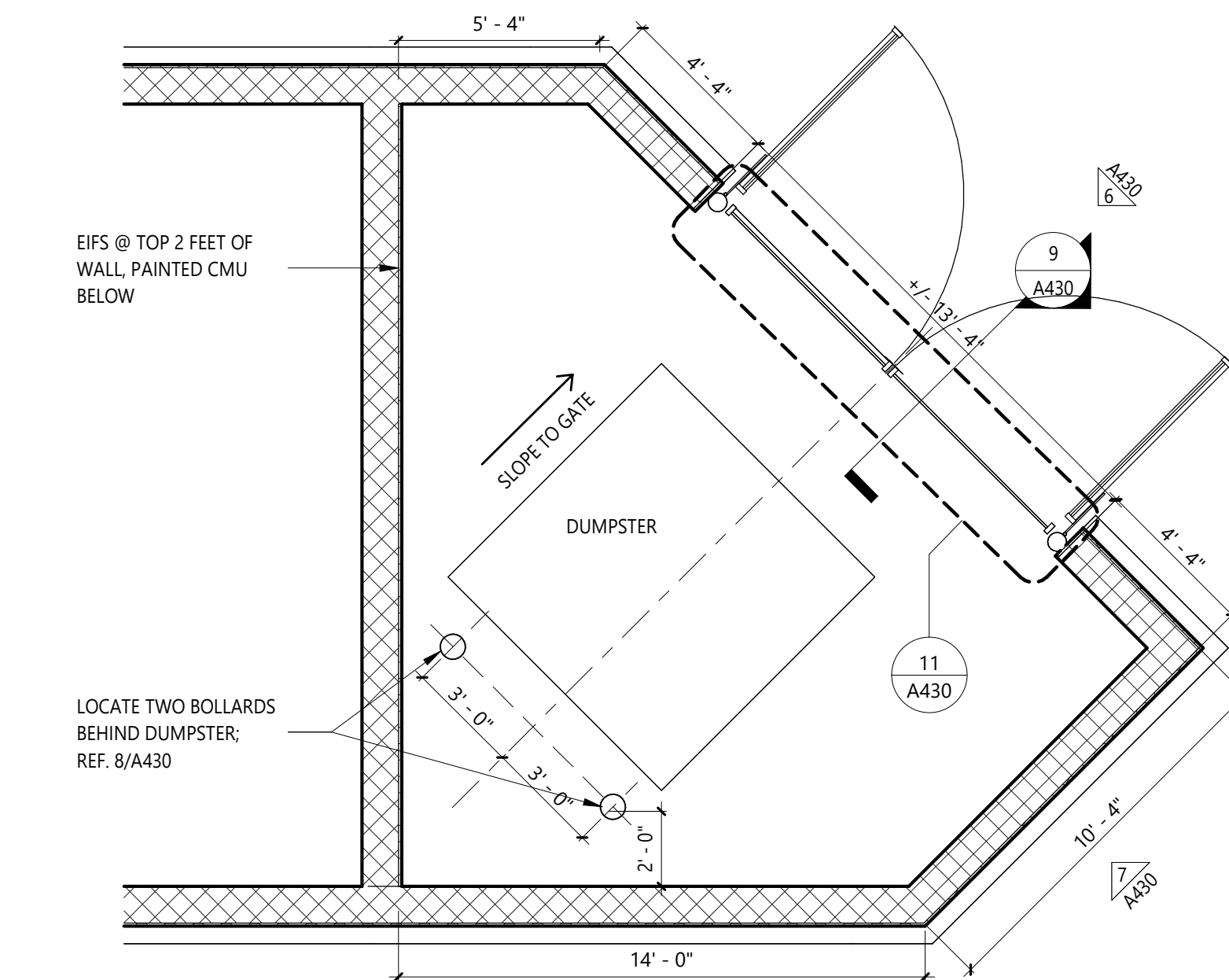
8 BOLLARD DETAIL
SCALE: 3/4" = 1'-0"



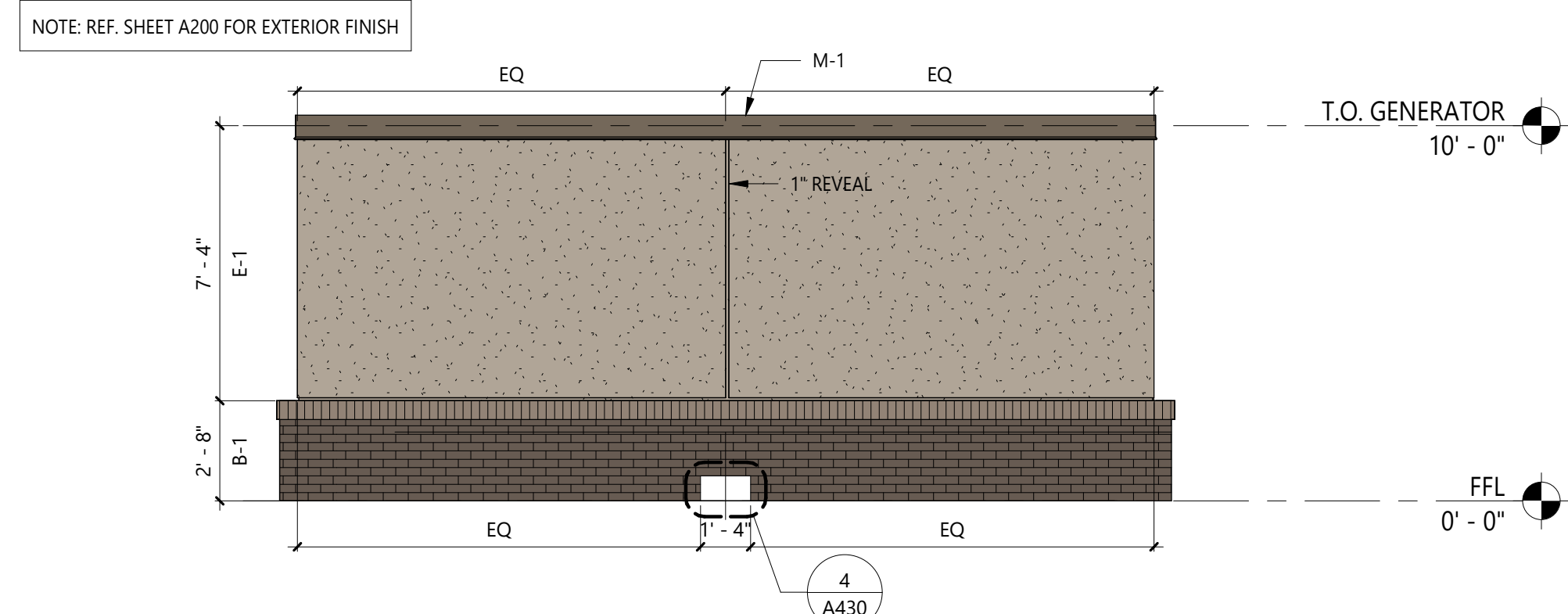
7 DUMPSTER - SIDE ELEVATION
SCALE: 1/4" = 1'-0"



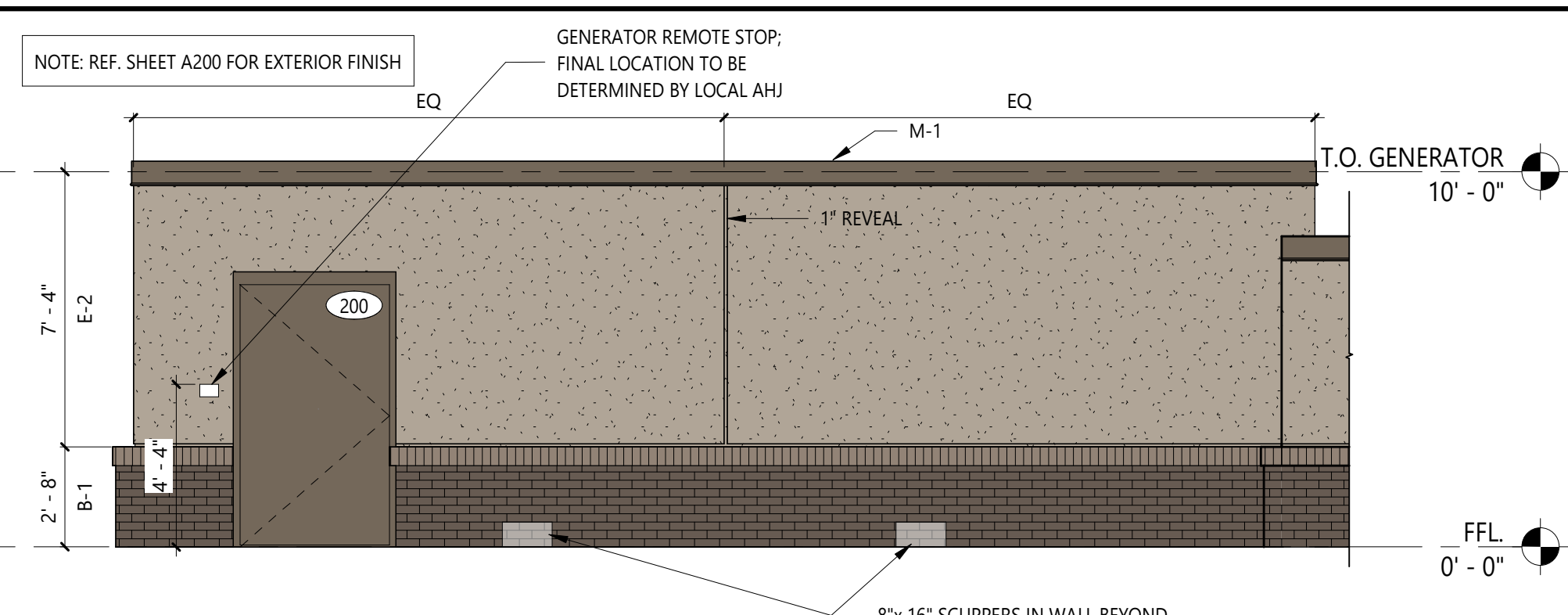
6 DUMPSTER - FRONT ELEVATION
SCALE: 1/4" = 1'-0"



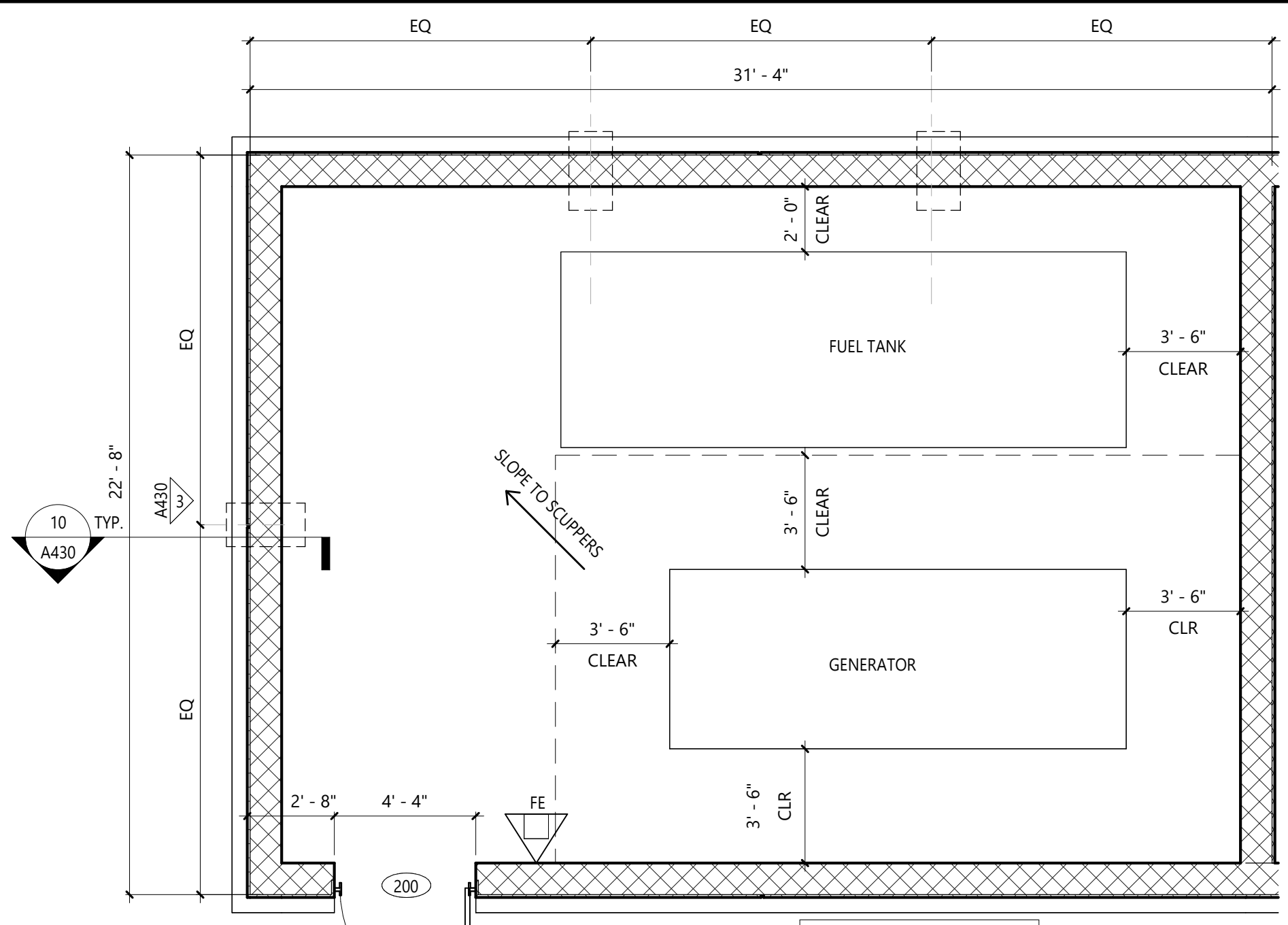
5 DUMPSTER ENCLOSURE - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



3 GENERATOR ENCLOSURE - SIDE ELEVATION
SCALE: 1/4" = 1'-0"



2 GENERATOR ENCLOSURE - FRONT ELEVATION
SCALE: 1/4" = 1'-0"



1 GENERATOR ENCLOSURE - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



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 $\wedge$

----- DATES OF ISSUANCE -----

ES01



1. POWER FOR ABOVE GROUND HEATED BOX. USE 2#10, 1#10G, 3/4"C.
2. SECONDARY FEEDER. REFER TO CONDUIT SECTION "B" DETAIL ON SHEET E603. COORDINATE WITH STRUCTURAL FOOTERS.
3. FEEDER FROM DUAL PURPOSE DOCKING STATION. REFER TO CONDUIT SECTION "B" DETAIL ON SHEET E603. COORDINATE WITH STRUCTURAL FOOTERS.
4. CIRCUIT SHALL PASS THROUGH LIGHTING CONTROL PANEL. USE 2#10, 1#10G, 3/4"C.
5. PROVIDE CONNECTIONS TO ELECTRONIC SIGNAGE. REFER TO SIGN VENDOR DRAWINGS FOR DETAILS. USE 2#8, 1#10G, 3/4"C.
6. DUAL PURPOSE DOCKING STATION. SEE ELECTRICAL RISER AND SPECIFICATIONS.
7. GENERATOR FUEL SYSTEM SHALL BE INSTALLED AS A SEPERATE COMPONENT. COORDINATE EXACT LOCATION AND DIMENSION OF TANK, ENCLOSURE, AND FUEL DELIVERY CONNECTION.
8. PROVIDE CONNECTION TO IRRIGATION CONTROLLER AS REQUIRED. USE 2#12, #12G., 3/4"C. COORDINATE EXACT LOCATION WITH CIVIL ENGINEER.
9. VERIFY EXACT LOCATION OF PRIMARY ELECTRICAL SERVICE TIE-IN WITH UTILITY.
10. PROVIDE LEGRAND OUTDOOR RATED 3-GANG, UNWIRED POWER PEDESTAL OR APPROVED EQUAL. PROVIDE WP, GFI OUTLETS MOUNTED TO PEDESTAL FOR AMBULANCE DRIVER USE. PROVIDE (2#10, (2#12G, 3/4"C TO RECEPTACLE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
11. PROVIDE 1/2" CONDUIT FOR DECON TANK LEVEL ALARM. COORDINATE EXACT LOCATION WITH CIVIL AND PLUMBING DRAWINGS

GEORGIA POWER