GMC

ADDENDUM NO. 4

PROJECT: **GROVE CREEK WPCP**
FOR CITY OF COMMERCE
GMC PROJECT NO. CATL230033

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1. Introduction

1.1 The content included in this addendum is hereby added to the referenced Project Manual and Plans and shall be duly considered when preparing bids. **Please note the change of address where bids will be received an opened below in General Information. The date and time remains the same.**

2. General Information

2.1 **Sealed bid proposals will be received** by City of Commerce; at their offices at **110 State St, Commerce, GA 30529** until **2:00 PM, EDT, Thursday, 15 May, 2025.**

2.2 **Project substantial completion** to be extended to **2 years and ten (10) days (740 calendar days)** with 60 days until **final completion (800 calendar days)**. **Approximately $31,000,000.00 must be spent by October 31st 2026**, including stored materials and all other project related expenses.

3. Clarifications

3.1 ***Valve specifications***
All valves/piping appurtenances in division two (within the plant and the influent pump station fence line) shall conform to Division 40 specifications. All pipeline outside of the fence, with the exception of the water line, shall conform to 33 31 00 – Sanitary Utility Sewerage Piping.

4. Revisions to Drawings

4.1 Drawing sheet CU-201: Add Gravel Limits
4.2 Drawing sheet CU-902, CU-904: Modify details

5. Revisions to Project Manual

5.1 Section 00 41 13 Bid Form: Delete this section and replace with new Section 00 41 13 Bid Form to include unit pricing for undercut recommended in geotechnical report.

5.2 Section 40 90 00 - Instrumentation and Control for Process Systems, 1.01.D.2.:
System Integrator qualifications:

The following system integrator is pre-qualified to perform the control system work described in Division 40:

1. **Global Control Systems; Smyrna, GA – contact is Dhrupal Patel (dhrupal@globalcontrolsystems.com)**

Please note that Global Control Systems is the only pre-qualified system integrator.

5. Contractor Questions

Answers to contractor questions are provided below with as much detail as reasonable in the time allowed. Necessary clarifications and additional questions can be submitted for incorporation into a subsequent addendum. All questions and answers are formatted as follows:

[Contractor question]
[GMC answer]

5.2 **Can you please confirm the height of the chain link fence?**
The height of the chain link fence is 7-feet. Need to install 3 strands 12 GA. Galv. Barbed wire on top, total height is 8-feet.

5.3 **Can you please confirm that the new asphalt paving is to be heavy duty? If so, can you please clarify if the surface course is to be 2" per the specifications, or 1.5" per the detail on drawing sheet C-906?**
New asphalt paving shall be heavy duty. Surface course to be 1.5" (165 lb/sy) 12.5 mm Superpave.

5.4 **The geotechnical report recommends undercutting and replacement of soils for several of the structures and for overall site grading. Since the need for this undercutting will not be determined until excavation is completed, can you please consider the addition of a unit price to cover the costs associated with this recommendation?**
Yes, unit price for undercutting and replacement of undercut materials was added in the bid form.

5.5 **Can you please clarify if the two unit price items for rock excavation are to be via blasting or mechanical removal?**
Separate line items have been provided for blasting and mechanical removal within Division I. Division II pricing shall be reported with the more costly of the two methods.

5.6 **Specification 32 05 19 Section 2.2, it appears that the geonet and textile layer are only on the bottom of the pond. Can you confirm if this is accurate or if it needs to go everywhere the liner goes?**
The geonet and textile layer shall go everywhere under the 60 Mil Liner, including pond bottom, sides and banks.

5.7 **Specification 32 05 19 , does 60 mil HDPE Liner need to be smooth or textured?**
Liner shall be smooth.

5.8 **Specification 32 05 19 Section 2.2, what is the weight of the non-woven geotextile? The plans do not indicate what it is (10oz, 12oz, 16oz, etc.)**
10 oz/yd^2.

5.9 **Does there need to be any liner vent flaps around the perimeter of the pond?**
No.

5.10 **Specification 32 05 19 Section 2.2, can this material be substituted for a single sided geocomposite?**
Yes, geonet and geotextile can be substituted with a single sided geocomposite.

5.11 **Regarding the bypass at the IPS. Can you please confirm if the referenced "Bypass Connection" is existing? If so, what is the size of the connection? What is the TDH?**
Yes, existing 10" flanged bypass connection. Provide temporary reducer/connection point as required to suit contractor proposed pump. TDH = approx. 285 feet.

5.12 **Can you please provide the depth of existing manhole that the bypass will be pulling from?**
The existing manhole that the bypass will be pulling from has a depth of 12.25' with one 8" gravity sewer outlet to be plugged.

5.13 **Which of the six (6) Streambank Stabilization Cross Sections (Sb) found on CU-612 is required where shown on Sheets CU-312, CU-317, CU-318, CU-321, and CU-324?**
Live staking.

5.14 **Will GDOT require grout filling of annular space for steel casing in GDOT ROW?**
No grout filling required except as shown in detail (casing spacers and rest jt. mandatory)

5.15 **Will vent pipe of steel casing shown in Detail B/CU902 be required for steel casing in GDOT ROW?**
No vent piping required.

5.16 **What is size of vent pipe in Detail B/CU902?**
No grout filling or vent piping required on any steel casing.

5.17 **Where is the Access Road in Detail G/CU902 required to be installed? Is this a permanent or temporary application?**
See revision of CU-201. 4" GAB within pump station will be permanent.

5.18 **In reference to contract drawing I-911 Instrumentation schedule, listed Tag No. AE/AIT-4010 & AE/AIT-4020 Clarifier No.1 & No.2 Sludge Blanket Depth (DOB Meters) (Vendor Recommended) by Contractor is not shown on listed contract drawing I-401 and not included under Spec Section 40 75 76. Can you please confirm / clarify / provide information on these Tag No. AE/AIT-4010 & AE/AIT-4020 Clarifier No.1 & No.2 Sludge Blanket Depth (DOB Meters) to be included in this project?**
AE/AIT-4010 & AE/AIT-4020 Clarifier No.1 & No.2 Sludge Blanket Depth DOB meters will not be included in the scope of this project.

5.19 **Can you please provide a wood door spec?**
All doors currently shown as solid wood on door schedules shall be hollow metal doors.

5.20 **On plan sheet A-110 the door schedule shows opening 101A as storefront aluminum. However, it appears to be a hollow metal opening. Can you please confirm the material?**
Door 101A material is storefront aluminum.

5.21 **On plan sheet A-714 the door schedule shows opening 201E. However, it doesn't have details filled in and I am unable to find it on the plans. Is this opening required?**
Door opening 201E is not required. It shall be deleted from A-714 door schedule.

5.22 **The Hollow Metal Spec Section 08 13 13 covers all three standard, heavy duty and extra heavy-duty doors and frames at interior and exterior openings. The door and frame schedules do not indicate which is to be used at each location. Can you please provide updated door schedule?**
SDI Door Classification: Level III (Extra Heavy Duty) per ANSI/SDI A250.8 for all interior and exterior doors, including fire-rated doors.

5.23 **Spec section 099600 does not have a coating schedule and states "3.6 SCHEDULE 1. See plans". There does not appear to be a schedule on the plans. Can you please provide a coating schedule indicating where to use each system, dry film thicknesses, etc..?**

See coating table on the following page and schedule below. All other structures to be uncoated.

- Interior of influent pump station
  - Concrete (walls and interior of top only): IV3
  - Ferrous Metals/DIP: IV1
- Troughs within headworks:
  - Concrete: IV4
  - Ferrous Metals/DIP above the TOW elevation or within troughs: IV2
- Oxidation ditch:
  - Concrete: None
  - Ferrous Metals/DIP: IV2
- Clarifiers:
  - Influent and Effluent Trough Concrete only: IV4
  - Ferrous Metals – including clarifier mechanism/DIP above the water line: IV2
- Interior of RAS/WAS pump station:
  - Concrete(walls and interior of top only): IV3
  - Ferrous Metals/DIP: IV1
- Interior of aerobic digesters:
  - Concrete to 5' below TOW elevation: IV4
  - Ferrous Metals/DIP (non-stainless): IV2
- Interior of yard drain pump station:
  - Concrete (walls and interior of top only): IV3
  - Ferrous Metals/DIP (non-stainless): IV1

Wastewater Coating

Code	Service		Material	Shop Primed	Surface Preparation	Coating Type	First Coat/Primer	First Coat Minimum Sq. Ft.	Second Coat Minimu	Second Coat Minimu	Third Coat Minimu	Fourth Coat Minimu	Fifth Coat Minimu	Total Minimum DFT	Total Minimum Sq. Ft.
IE2	Interior	Exposed	Ferrous	Yes	SSPC-SP10 / NACE 2	Primer - Aromatic urethane, Zinc-Rich Primer Intermediate - High-Build Epoxy Coating - Pure Polyamide Epoxy Finish - Aliphatic Acrylic Polyurethane	2.5		3.0		2.0			7.5	
IE3	Interior	Exposed	Non-Submerged Ferrous Metals & Ductile Iron	Yes	SSPC-SP10 / NACE 2, NAPF 500-03 for Ductile Iron	Primer - Polyamidoamine Epoxy Intermediate - High-Build Epoxy Coating - Pure Polyamide Epoxy Finish - Aliphatic Acrylic Polyurethane	6.0		3.0		2.0			11.0	
IE4	Interior	Exposed	Concrete Masonry Block and Pre-Cast Concrete	No	SSPC-SP13 / NACE 6, ICRI-CSP 2-4	First Coat - Waterborne Cementitious Acrylic Intermediate - Waterborne Acrylic Epoxy Finish - Waterborne Aliphatic Polyurethane	12.0	65.0	4.0		2.0			18.0	65.0
IE5	Interior	Exposed	Concrete	No	SSPC-SP13/NACE 6, ICRI-CSP 2-4	First Coat - Modified Polyamine Epoxy Intermediate - Waterborne Acrylic Epoxy Finish - Waterborne Aliphatic Polyurethane	3.0		4.0		2.0			9.0	
IPC1	Interior	Previously Coated	Concrete	No	SSPC-SP13 / NACE 6	First Coat - Waterborne Cementitious Acrylic Intermediate - Waterborne Acrylic Epoxy Finish - Waterborne Aliphatic Polyurethane	12.0		4.0		2.0			18.0	
IEX1	Interior	Existing	Concrete	No	SSPC-SP13 / NACE 6	First Coat - Modified Polyamine Epoxy Intermediate - Waterborne Acrylic Epoxy Finish - Waterborne Aliphatic Polyurethane	3.0		4.0		2.0			9.0	
EE1	Exterior	Exposed	Factory-Primed Ferrous Metals	Yes	SSPC-SP3 (1), ASTM D6386	First Coat - Phenolic Alkyd Intermediate - Alkyd Coating Finish - Alkyd Coating	2.0		2.0		2.0			6.0	
EE3	Exterior	Exposed	Ferrous Metals	Yes	SSPC-SP6 / NACE 3	Primer - Aromatic urethane, Zinc-Rich Primer	2.5		3.0		2.0			7.5	
EE4	Exterior	Exposed	Ferrous Metals; Digester Covers, etc.	Yes	SSPC-SP6 / NACE 3	Intermediate - High-Build Epoxy Coating - Pure Polyamide Epoxy	2.5		3.0		2.0			7.5	
EE5	Exterior	Exposed	Factory-Primed/Finished Equipment	No	SSPC-SP10	Finish - Aromatic Urethane, Zinc-Rich Primer or Aliphatic Acrylic Polyurethane	2.0		2.0		2.0			6.0	
EE6	Exterior	Exposed	Non-Submerged Ductile Iron	Yes	NAPF 500-03	Primer - Polyamidoamine Epoxy Intermediate - Polyamide Epoxy Finish - Aliphatic Acrylic Polyurethane	6.0		3.0		2.0			11.0	
EB1	Exterior	Buried	Pre-Cast Concrete	Yes	SSPC-SP13 / NACE 6	Primer - Waterborne Modified Polyamine Epoxy Mortar Finish - Modified Polyamine Ceramic Epoxy	6.0		40.0					46.0	
EPC1	Exterior	Previously Coated	Concrete	No	SSPC-SP13 / NACE 6	Primer - Waterborne Modified Polyamine Epoxy Intermediate - Inorganic Hybrid Water-Based Epoxy Finish - Aliphatic Acrylic Polyurethane	1.0		3.0		2.0			6.0	
IV1	Immersion/Vapor Zone		Ferrous Metals or Ductile Iron Submerged or Intermittently Submerged in Wastewater (Closed Top / Head Space Exposure in Digesters, Secondary Clarifiers, etc.)	Yes	SSPC-SP10 / NACE 2 / NAPF 500-03 for Ductile Iron	Primer - Polyamide Epoxy Intermediate - Modified Polyamide Epoxy Finish - Novolac Epoxy	2.5		4.0		10.0			16.5	
IV2	Immersion/Vapor Zone		Ferrous Metals or Ductile Iron Submerged or Intermittently Submerged in Wastewater (Open Top /No Head Space Exposure in Digesters, Secondary Clarifiers, etc.)	Yes	SSPC-SP10 / NACE 2 / NAPF 500-03 for Ductile Iron	Primer - Modified Aromatic Polyurethane Intermediate - Polyamide Epoxy Finish - Modified Polyamine Epoxy	4.0		30.0		20.0			54.0	
IV3	Immersion/Vapor Zone		Concrete Submerged or Intermittently Submerged in Wastewater (Closed Top / Head Space Exposure in Digesters, Secondary Clarifiers, Lift Stations etc.)	No	SSPC-SP13/NACE 6, ICRI-CSP 5-6	Primer - Modified Polyamine Epoxy Mortar Intermediate - Modified Aliphatic Amine Epoxy Mortar Finish - Modified Polyamine Epoxy	1/16"		125.0		15.0			140.0	
IV4	Immersion/Vapor Zone		Concrete Subjected to High Levels of H2S	No	SSPC-SP13/NACE 6	Filler - Modified Polyamine Epoxy Finish - Aromatic Polyurethane Hybrid	1/8"		125.0					125.0	
IV5	Immersion/Vapor Zone		Ductile Iron Pipe Submerged or Intermittently Submerged in Wastewater (Open Top /No Head Space Exposure in Digesters, Secondary Clarifiers, etc.)	Yes	NAPF 500-03-04	Primer - Polyamidoamine Epoxy Intermediate - Polyamide Epoxy Finish - Modified Polyamine Epoxy	6.0		4.0		10.0			20.0	

5.24 **Will the undercut be removed from site? Will this material be stored on site? If so, where? What material will replace this undercut? Replace with onsite soils? If so, from where on site? Replace with stone?**
The undercut material shall be removed from site, not be stored on site. Fill replacement material shall follow geotechnical report section 5.3.

5.25 **Specification 06 60 00 calls for the Effluent Weir Plates to be 1/4" thick x 9-1/8"H with 2-5/8"D V-notches. Specification 46 43 21 calls for the Effluent Weir Plates to be 3/16" thick x 9"H with 2.5"D V-notches. Can you please advise on the desired dimensions?**
The Effluent Weir Plates shall be 1/4" thick x 9-1/8"H with 2-5/8"D V-notches

5.26 **What dimensions for the aerobic digester platform should be used? There is discrepancy between sheets S-701 and D-702.**
Use process sheet D-702 for the dimensions of the aerobic digester platform. Concrete pad shall be extended to accommodate elevated platform supports (22' in length to match, extending to wall of proposed digester and future digester.

6. Acknowledgement of Receipt

6.2 Receipt of this addendum shall be acknowledged as follows:

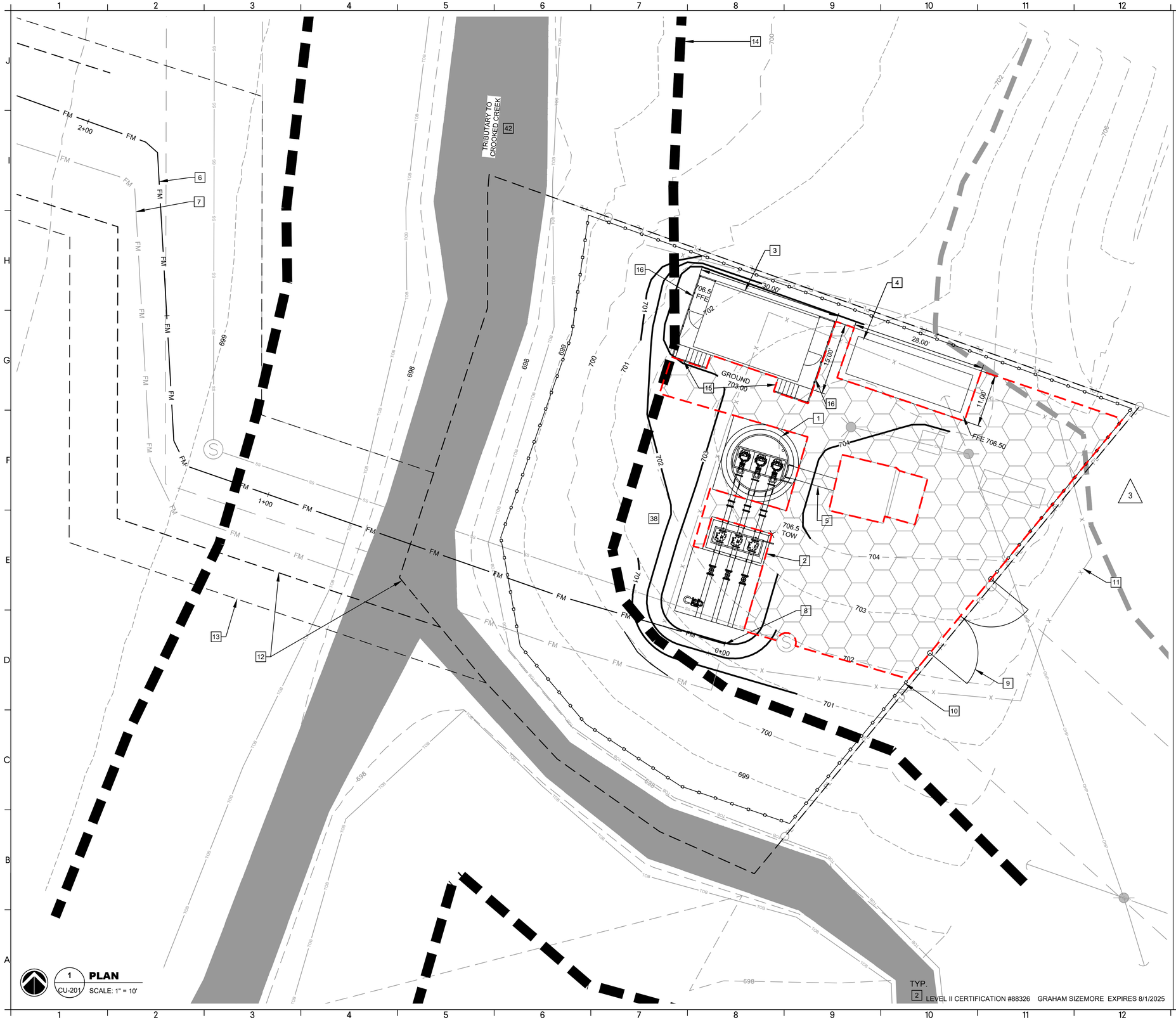
1. On Page 5 of Bid Form of the Project Manual, note the addendum number and date of each addendum received and include this in the bid submittal.

AND

2. Email Goodwyn Mills Cawood, LLC. **immediately** at the **Atlanta, GA** office at kim.ross@gmcnetwork.com and confirm that addendum was received and is legible.

7. Conclusion

7.2 This is the end of Addendum No. 4, dated May 12, 2025.



1 PLAN
CU-201 SCALE: 1" = 10'

TYP. 2 LEVEL II CERTIFICATION #88326 GRAHAM SIZEMORE EXPIRES 8/1/2025

KEY NOTES: #

1. PROPOSED WETWELL
2. PROPOSED VALVE VAULT
3. PROPOSED ELECTRICAL BLDG.
4. PROPOSED GENERATOR AND CONC. PAD
5. PROPOSED 30" DIP CONNECTION LINE
6. PROPOSED 16" INFLUENT FORCE MAIN
7. FUTURE 16" INFLUENT FORCE MAIN
8. 12" x 12" MJ TEE
9. 20' WIDE ACCESS GATE
10. 3 STRAND BARBED WIRE CHAIN LINK FENCE PERIMETER FENCING. PLACE 1'-0" INSIDE PROPERTY BOUNDARY WHERE APPLICABLE
11. DEMO EXISTING FENCING
12. PERMANENT UTILITY EASEMENT AND PROPERTY BOUNDARY
13. TEMPORARY CONSTRUCTION EASEMENT
14. 25' UNDISTURBED VEGETATIVE BUFFER FROM WRESTED VEGETATION
15. PRE-FABRICATED ALUMINUM STAIRS
16. HANDRAILS
17. 4" GAB LIMITS (3200 SF) — — — 3

EROSION CONTROL NOTES:

1. LIMITS OF DISTURBANCE WILL BE A MINIMUM OF WHAT IS REQUIRED TO INSTALL PROPOSED UTILITY. A MAXIMUM CLEARING LIMIT SHALL BE WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT.

2. LIMITS OF CONSTRUCTION IS WITHIN THE BOUNDARIES OF THE TEMPORARY CONSTRUCTION EASEMENT.

3. MATTING AND BLANKETING REQUIRED ON ALL DISTURBED SLOPES GREATER THAN 3:1. FLOCCULANTS AND COAGULANTS SHALL ALSO BE USED IN AREAS SUSCEPTABLE TO HIGH EROSION AND IN AREAS ADJACENT TO CREEKS OR STREAMS.

Ds1 Ds2 Ds3 Ds4 TYP. 50

REQUIRED ON ALL DISTURBED AREAS WHERE APPLICABLE

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6120 Powers Ferry Road NW, Suite 500
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — CERTIFICATE OF AUTHORIZATION — GOODWYN MILLS CAWOOD, LLC — No. PEO007486 — Exp.06.30.2026

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025
REV2	05.06.2025
Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER 05.12.2025 GRAHAM S. SIZEMORE

CIVIL SITE PLAN - INFLUENT PUMP STATION GRADING PLAN

CU-201

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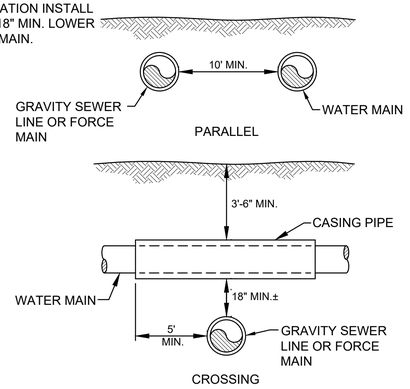
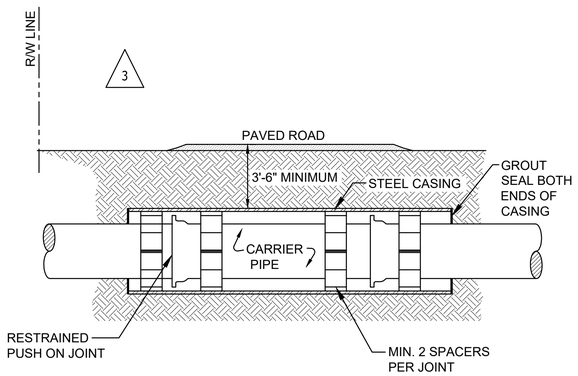
NOTE: WHERE IT IS NOT POSSIBLE TO MAINTAIN 10' HORIZ. SEPERATION INSTALL SEWER MAIN 18" MIN. LOWER THAN WATER MAIN.



A CU902 **DETAIL- UTILITY SEPARATION**

NTS NTS 0' NTS NTS

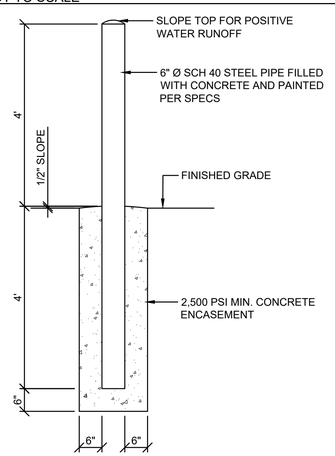
SCALE: NOT TO SCALE



B CU902 **DETAIL - CASING & CARRIER PIPE**

NTS NTS 0' NTS NTS

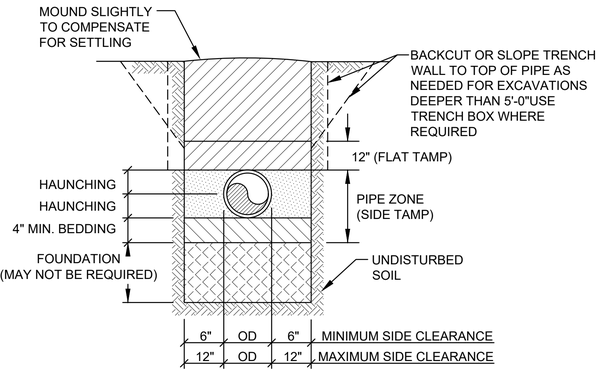
SCALE: NOT TO SCALE



C CU902 **DETAILS - FIXED BOLLARD**

NTS NTS 0' NTS NTS

SCALE: NOT TO SCALE



PIPE I.D.	BEDDING DEPTH
30" OR LESS	4"
30" OR GREATER	6"

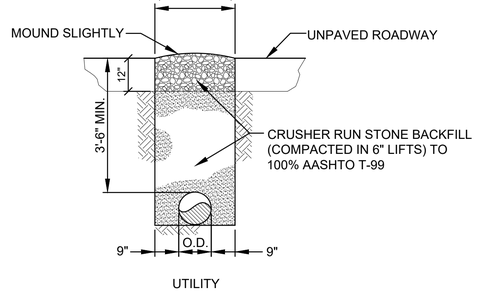
NOTES:

1. BEDDING AND HAUNCHING SHALL BE DONE WITH CLASS II OR III SOILS COMPACTED TO 90% OF STANDARD PROCTOR DENSITY.
2. FINAL BACKFILL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY IN NON TRAFFIC AREAS ONLY.

D CU902 **DETAIL- PRESSURE PIPE BEDDING**

NTS NTS 0' NTS NTS

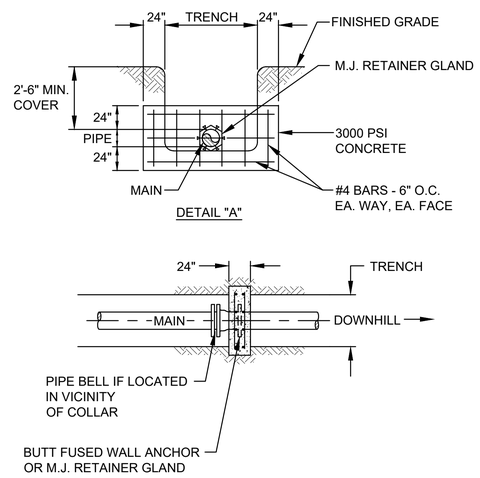
SCALE: NOT TO SCALE



E CU902 **DETAIL- UNPAVED ROAD PATCH**

NTS NTS 0' NTS NTS

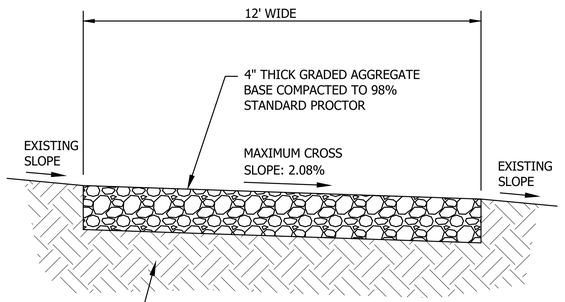
SCALE: NOT TO SCALE



F CU902 **DETAIL - CONCRETE COLLAR**

NS NS 0' NS NS

SCALE: NOT TO SCALE



G CU902 **DETAIL - ACCESS ROAD**

NS NS 0' NS NS

SCALE: NOT TO SCALE

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T 770.952.2481

STATE OF GEORGIA — CERTIFICATE OF AUTHORIZATION — GOODWYN MILLS CAWOOD, LLC — GA.PEOO7186 — Exp.06.30.2026

1" 0" .5" 1"

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COMMERCE 2.0 MGD
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COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL ENGINEER GRAHAM S. SITEMORE 05.12.2025

STANDARD DETAILS

CU-902

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GENERAL NOTES:

1. THE CONTRACTOR SHALL FURNISH ALL SERVICES, EQUIPMENT, MATERIALS, TOOLS AND LABOR REQUIRED FOR COMPLETE AND PROPER INSTALLATION AND TESTING OF FPVC USING HORIZONTAL DIRECTIONAL DRILLING (HDD) METHODS AT THE LOCATIONS SHOWN ON THE DRAWINGS.

2. ALL HDD ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1962 AND CHAPTER 12 OF THE PPI HANDBOOK.

3. ALL DEPTHS FOR DRILLING SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 15FT OF VERTICAL CLEARANCE BETWEEN THE TOP OF THE BOREHOLE AND THE OBSTACLE BEING BORED.

4. THE CONTRACTOR SHALL FURNISH AND INSTALL FULLY PRESSURE RATED FPVC FABRICATED OR MJ FITTINGS FITTINGS AS REQUIRED TO CONNECT THE DRILLED PIPE TO THE REST OF THE PIPELINE ALIGNMENT AT THE PROPER DEPTH AT EACH END OF THE BORE.

5. THE CONTRACTOR SHALL SUBMIT A WORK PLAN TO THE ENGINEER WITHIN 2 WEEKS OF THE NOTICE TO PROCEED CONTAINING THE FOLLOWING:

   A. A COMPLETE LIST OF CONSTRUCTION MATERIALS, EQUIPMENT AND SUPPLIES INCLUDING FPVC FITTINGS, DRILLING, MUD, AND DRILLING FLUID ADDITIVES.

   B. SPECIFICATIONS ON TYPE OF DRILLING EQUIPMENT INCLUDING DRILLING RIG, MUD SYSTEM, MUD MOTORS, DOWN-HOLE TOOLS, GUIDANCE SYSTEM, AND SAFETY SYSTEMS.

   C. WORK PLAN CONSISTING OF A DETAILED PROCEDURE AND SCHEDULE TO BE USED, LIST OF PERSONNEL AND THEIR QUALIFICATIONS, LIST OF SUBCONTRACTORS, A SAFETY PLAN(INCLUDING MSDS OF ANY POTENTIALLY HAZARDOUS SUBSTANCES), THE METHOD OF DRILLING FLUID DISPOSAL AND AN ENVIRONMENTAL PROTECTION PLAN.

   D. BORE PLAN CONSISTING OF A SCALED DRAWING OF THE PILOT BORE PLAN FOR REVIEW. SHOW FINISHED GRADE, DEFLECTION RADIUS OF THE PILOT BORE, ALL EXISTING UTILITIES WITH MINIMUM VERTICAL AND HORIZONTAL CLEARANCES. ADDRESS THE LOCATION OF THE DRILL RIG SETUPS, THE LENGTHS OF EACH BORE BASED ON SOIL CONDITIONS, EQUIPMENT USED, TOPOGRAPHY, ETC. THE PROPOSED VERTICAL AND HORIZONTAL CLEARANCES BETWEEN THE BORED PIPE AND ANY EXISTING/PROPOSED CONFLICTING PIPES, CONDUITS OR OBSTRUCTIONS SHALL BE AT LEAST TWO TIMES THE GUIDANCE SYSTEM ACCURACY TOLERANCE.

   E. SUBMIT SUPPORTING CALCULATIONS, CERTIFICATIONS OR MATERIALS DEMONSTRATING THE STRENGTH OF THE PRODUCT PIPE ARE ABLE TO WITHSTAND THE DESIGN AND CONSTRUCTION STRESSES AND PRESSURES.

6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING FIVE DAYS PRIOR TO THE COMMENCEMENT OF DRILLING ACTIVITIES AND 24 HOURS PRIOR TO THE START OF DRILLING INCLUDING PILOT HOLE DRILLING, PRE-REAMING OR HOLE ENLARGEMENT, BACK PULLING AND TESTING ACTIVITIES.

7. THE CONTRACTOR SHALL SECURE INFORMATION CONCERNING THE LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IN PROXIMITY TO THE PIPELINE ALIGNMENT, PRIOR TO THE START OF DRILLING AND CONFIRM THE ALIGNMENT OF ALL CRITICAL UTILITIES, USING VACUUM EXCAVATION OR OTHER SUITABLE EXCAVATION METHOD, FOR FURTHER DETAILED CONFIRMATIONS AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.

8. TEST DIRECTIONAL DRILLING PIPE AFTER PULLBACK PER APPLICABLE ASTM STANDARDS.

9. IF, AS A RESULT OF THE HYDROSTATIC TEST, THE ENGINEER DETERMINES THAT THE PIPE IS NOT ACCEPTABLE, THE DRILLER WILL ABANDON THE LINE IN PLACE BY FUSING A CAP TO BOTH ENDS OF THE HDPE CONDUIT AND REPLACE THE LINE AT NO ADDITIONAL COST TO THE OWNER.

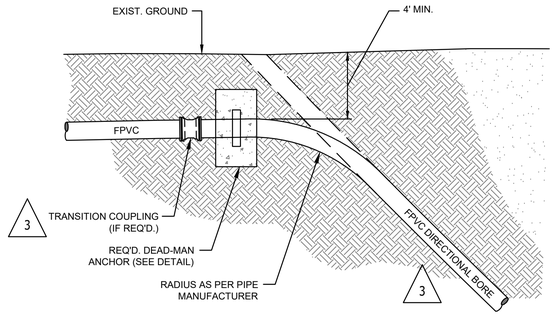
10. THE CONTRACTOR SHALL CONTAIN AND CONVEY ALL USED DRILLING FLUID AND DRILLING FLUID SPILLED DURING OPERATIONS O THE DRILLING FLUID RECYCLING SYSTEM OR REMOVE BY VACUUM TRUCKS OR OTHER METHODS ACCEPTABLE TO THE OWNER.

11. TAKE ALL NECESSARY MEASURES TO ELIMINATE THE DISCHARGE OF WATER, DRILLING MUD, AND CUTTINGS TO NEARBY WATERWAYS DURING THE MUD WORK.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF ANY DAMAGE CAUSED BY HEAVING, SETTLEMENT, SEPARATION OF PAVEMENT, OR ESCAPE OF DRILLING FLUID FROM THE HDD OPERATION.

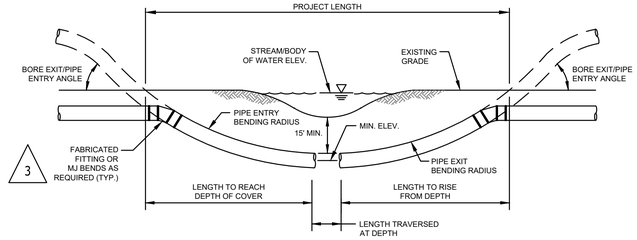
13. AT THE COMPLETION OF THE HDD, THE CONTRACTOR SHALL SUBMIT RECORD DRAWINGS TO THE ENGINEER NOTING ALL DEVIATIONS FROM THE PLANS THAT RESULT IN A CHANGE OF LOCATION, MATERIAL, TYPE OR SIZE OF WORK.

14. UPON ACCEPTANCE OF THE PIPE INSTALLATION, THE CONTRACTOR SHALL REMOVE ALL OF HIS/HER EQUIPMENT, MATERIALS AND SUPPLIES FROM THE SITE, FILL IN ALL HOLES OR EXCAVATIONS WITH EXCAVATED MATERIAL FREE FROM DEBRIS AND ORGANIC MATTER, GRADE THE SITE TO PRE-CONSTRUCTION ELEVATIONS, AND RESTORE SURFACES TO EQUAL TO OR BETTER THAN THE CONDITION PRIOR TO THE START OF WORK.



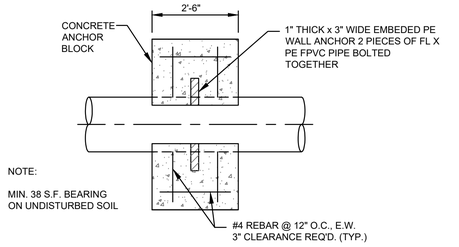
A CU904 **DIRECTIONAL BORE DETAILS**

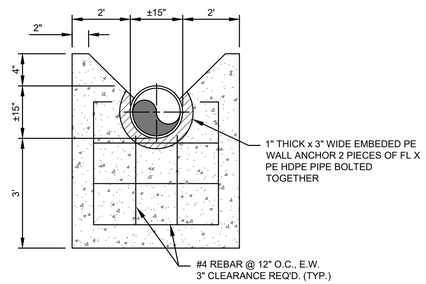
SCALE: NOT TO SCALE



B CU904 **TYPICAL HDD BORE PROFILE**

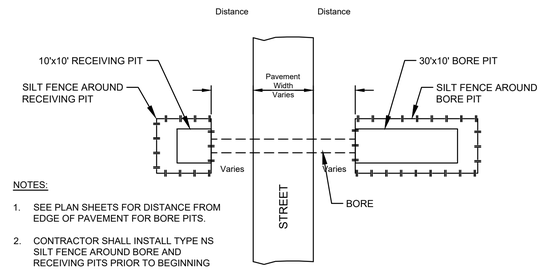
SCALE: NOT TO SCALE





D CU904 **DEAD MAN ANCHOR BLOCK FACE VIEW**

SCALE: NOT TO SCALE



NOTES:

1. SEE PLAN SHEETS FOR DISTANCE FROM EDGE OF PAVEMENT FOR BORE PITS.
2. CONTRACTOR SHALL INSTALL TYPE NS SILT FENCE AROUND BORE AND RECEIVING PITS PRIOR TO BEGINNING WORK. SILT FENCE SHALL BE PLACED AROUND ALL DISTURBED WORK REQUIRED FOR THE PITS.

E CU904 **TYPICAL HDD BORE DETAIL**

SCALE: NOT TO SCALE

GMC
6120 Powers Ferry Road NW, Suite 500
Atlanta, GA 30339
T 770.952.2481

STATE OF GEORGIA — NOT VALID WITHOUT ORIGINAL SIGNATURE AND SEAL — CERTIFICATE OF AUTHORIZATION
GOODWYN MILLS CAWOOD, LLC
NA #000078, EAS
Exp.06.30.2026

1" 0" 5" 1"

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025
REV2	05.06.2025
Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

GEORGIA REGISTERED No. PE051452 PROFESSIONAL 05.12.2025 ENGINEER GRAHAM S. STEMMRE

STANDARD DETAILS

CU-904

This drawing is and shall remain the property of Goodwyn, Mills and Cawood, Inc. (GMC) and Goodwyn Mills Cawood LLC (GMC). Unauthorized use of any kind including use on other projects is prohibited. In the event that a conflict arises between the sealed drawings and the electronic files, the sealed drawings will govern.

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to: City of Commerce

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

A. Required Bid security;

B. List of Proposed Subcontractors;

C. List of Proposed Suppliers;

D. Evidence of authority to do business in the State of Georgia;

E. Georgia Utility Contractor's license number as evidence of Bidder's State Contractor's License; and

F. Required Bidder Qualifications Statement with supporting data.

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

3.01 Lump Sum Bids – Division I

A. Bidder will complete the Work in accordance with the Contract Documents for the following lump sum (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02:

1. Lump Sum Price (Single Lump Sum – including integration)

Lump Sum Bid Price	$

B. All specified cash allowance(s) are included in the price(s) set forth below, and have been computed in accordance with Paragraph 13.02 of the General Conditions.

Lump Sum for Cash Allowance 1(Testing Laboratory Services)	$90,000
Lump Sum for Cash Allowance 2 (Building Furniture and Phone)	$50,000
Lump Sum for Cash Allowance 3 (Site Maintenance Equipment)	$50,000
Lump Sum for Cash Allowance 4 (Lab Equipment)	$80,000
Total for all Lump Sum for Cash Allowances	$270,000

C. All specified contingency allowances are included in the price(s) set forth below, and have been computed in accordance with Paragraph 13.02 of the General Conditions.

Lump Sum Contingency Allowances	$2,000,000

3.02 Unit Price Bids – Division I

A. Bidder will perform the following Work at the indicated unit prices:

Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Amount
1	Mass Rock Excavation and Removal (Mechanical)	C.Y	200		$
2	Trench Rock Excavation and Removal (Mechanical)	C.Y	200		$
3	Mass Rock Excavation and Removal (Blasting)	C.Y	200		$
4	Trench Rock Excavation and Removal (Blasting)	C.Y	200		$
5	Undercutting and replacement of undercut materials	C.Y	69,000		$
Total of All Unit Price Bid Items					$

B. Bidder acknowledges that:

1. Each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and

2. Estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

3.03 **Total Bid Price (Lump Sum and Unit Prices) – Division I**

Total Bid Price (Total of all Lump Sum and Unit Price Bids)	$

3.04 **Unit Price Bid – Division II**

Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

UNIT PRICE BID PROPOSAL – DIVISION II

Effluent Discharge Force Main and Haggard Rd. Water Main

ITEM No.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
MOBILIZATION/CLEARING & TRAFFIC					
1.	Mobilization and Demobilization	1	LS		
2.	Clearing and Grubbing	1	LS		
3.	Traffic Control	1	LS		
WATER MAIN (HAGGARD RD.)					
4.	8" C900 DR 18 PVC Water Main	2,330	LF		
5.	8" PC 350 Rest. Jt. DIP Water Main	380	LF		
6.	8" Terminal End w/8" GV	1	EA		
7.	16" x 8" Tapping Sleeve with 8" Gate Valve	1	EA		
8.	Fire Hydrant Assy.	6	EA		
9.	16" Welded Steel Casing (Jack & Bore/Open Trench)	130	LF		
10.	Sterilization & Pressure Testing	2,710	LF		
11.	Cast Iron Specials	1.37	TN		

UNIT PRICE BID PROPOSAL – DIVISION II

Effluent Discharge Force Main and Haggard Rd. Water Main

ITEM No.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
EFFLUENT DISCHARGE FORCE MAIN					
12.	24" PC 250 DIP Main (Start Sta. 8+47 Sht. CU-314)	7,312	LF		
13.	24" PC 250 Rest. Jt. DIP Main	2,812	LF		
14.	24" DR 18 Fusible PVC by Horizontal Directional Drill	450	LF		
15.	36" Welded Steel Casing (Jack & Bore/Open Trench)	750	LF		
16.	Air Release/Vacuum Valve in 5 ft. Dia. Manhole	6	EA		
17.	24" Effluent Discharge Outlet w/Velocity Reduction	1	EA		
18.	Cast Iron Specials	26.3	TN		
MISCELLANEOUS					
19.	Stabilization Stone	100.0	TN		
20.	Trench Rock Blasting/Breaker and Excavation	500	CY		
21.	Remove and Replace Existing Fence (All Types)	430	LF		
22.	Remove and Replace Existing Asphalt Pavement	2,212	SY		
23.	Remove and Replace Existing Gravel Road	1,135	LF		
24.	Remove and Replace Concrete Curb & Gutter	887	LF		
25.	Channel Stabilization (Rip-Rap)	30	TN		
26.	Construction Exit (Co)	9	EA		
27.	Mulching, Temporary & Permanent Grassing (Ds1, Ds2 & Ds3)	8,353	LF		
28.	Slope Stabilization (Ss)	7,614	SY		
29.	Hay Bales (Sd1)	1,190	LF		
30.	Silt Fence Type "S" Sensitive (Sd1-S)	5,555	LF		
31.	Silt Fence Type "NS" Non-Sensitive (Sd1-NS)	8,114	LF		
32.	Brush Barrier (Sd1-BB)	620	LF		
33.	Storm Water Sampling for NPDES Permit	1	LS		
34.	Monitoring, NOI, NOT, Record Keeping & Reporting NPDES to GA EPD	1	LS		
35.	Cash Allowance (Authorized by Owner & Engineer)	1	LS	$500,000.00	$500,000.00

TOTAL AMOUNT BASE BID _____
(In Figures)

_____
(In Words)

3.05 **Bid Total (Division I + II)**

A competitive selection process has already been completed for integration. The selected integrator shall be Global Control Systems. The contact person for Global Control Systems is Dhrupal Patel (dhrupal@globalcontrolsystems.com). Pricing shall be obtained from Global and included in the lump sum total of Division I and II below:

Global Control Systems Price	$
Total Bid Price (Total of all Lump Sum and Unit Price Bids including Division I, II, and Global Control Systems Price)	$

ARTICLE 4—TIME OF COMPLETION

4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

5.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

6.01 *Bidder's Representations*

A. In submitting this Bid, Bidder represents the following:

1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and

observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.

7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
   a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
   b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
   c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.

d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

_____
(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

Address for giving notices:

_____
_____

Bidder's Contact:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Phone: _____

Email: _____

Address:

_____
_____
_____

Bidder's Contractor License No.: (if applicable) _____