

April 5, 2022

Letter No. 221063-DeKalb Co Water & Sewer-005

Juan Nunez
Staff Engineer Senior
DeKalb County Department of Watershed Management
4572 Memorial Drive.
Decatur, GA 30032

Reference: GDOT Project No. PI0017129

I-285 Eastside Bridge Replacements – Dekalb, County

AWC Job # 220163

Subject: Dekalb County Betterments – Covington Watermain Crossings R04

Dear Juan,

Archer Western is providing the following Utility Betterment Proposal as requested by Dekalb County Watershed Management for the crossings at the Covington Hwy Bridge and Glenwood Rd Bridge.

Archer Western is requesting approval of this proposal as soon as possible followed by an agreement set up to incorporate this betterment into the current project.

The following pricing is based on information provided by Dekalb County Water Management through the SUE Investigation process, AWC Investigations, and initial utility meetings to increase the watermain crossings at the bridge location (Covington Hwy).

Proposed betterment at Covington Hwy is priced at \$1,740,883 includes the current design to incorporate a 16inch uncased watermain to be hung across the new Covington Hwy bridge. This pricing considers that there is not currently an active watermain crossing I-285 at this location. This price also includes 12inch watermain on the west side of Covington Hwy Bridge that is not indicated on the plans as replacement but upon field investigations proves to not be installed currently. The pricing does not include rock excavation.

Proposed betterment includes AWC Site Investigation costs, design fees for Utility Design and Roadway/Bridge Design priced at \$58,932. If DeKalb Co Water & Sewer opts out of the Betterment pricing, AWC will request the Escalation pricing, Design pricing, and Site Investigation pricing to the total of \$183,932 as this will required to re-design and procurement processes.

The total Betterments price is \$1,740,883. This is a Lump Sum Price to complete all work listed.

Note the following exclusions:

- We have excluded the cost of new meter vaults for meter relocations and considered reusing the existing boxes. If new boxes or vaults are required, then the cost of the new boxes or vaults will be billed costs plus 15%.
- New water meters are to be by others otherwise we have considered reusing the existing meter where meters are shown to be relocated.

- We have considered that existing fire hydrants will be able to be reused where fire hydrants are relocated. If a new fire hydrant is required, then the new fire hydrant will be billed costs plus 15%.
- We exclude any cost associated with hazardous or contaminated material.
- Standard excavations using trench boxes. Engineered Excavation Support outside of trench boxes not including in the provided pricing.

Note: This pricing is good for the Waterline Betterments requested and has not factored in any betterments associated with the sewer line.

Please feel free to contact the undersigned at (404) 516-0395 if you have any questions.

Sincerely,

Michael Gantt Project Manager

CC:

Juan Nunez – Dekalb County Iheanachor Njoku – GDOT Aparajita Pothula – HNTB Rob Bird - AWC Zach Folmar – AWC Jake French - AWC

## DeKalb Co Water & Sewer Betterments Unit Price Breakdown 4.5.22

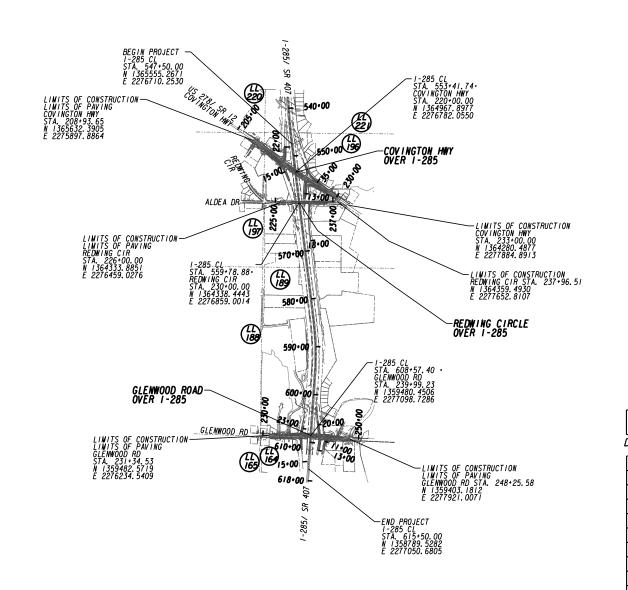
Location	Dwg #	Contractor	Activity		Qty Uni	: [	Total \$ Per Work Type	All In Unit Price	Betterment Totals
Covington Hwy	WL4	Ruby Collins	16 Inch Suspended On Bridge		380 FT				
Covington Hwy	WL4	Ruby Collins	16 Inch Expansion Sleeves	Inc					
Covington Hwy	WL4	Ruby Collins	16 Inch Gate Valve	Inc					
Covington Hwy	WL4	Ruby Collins	16 Megalugs	Inc					
Covington Hwy	WL4	Ruby Collins	30 Inch Open Cut Casing		60 FT	ے	974,620.99	\$ 2,564.79	
Covington Hwy	WL4	Archer Western	Equipment		1 LS	Þ	974,620.99	\$ 2,564.79	
Covington Hwy	WL4	Archer Western	Bridge Hangers		1 LS				
Covington Hwy	WL4	Archer Western	MOT		1 LS				
Covington Hwy	WL4	Archer Western	QC Testing/Water/Erosion		1 LS				
Covington Hwy	WL4	Archer Western	OH Support & STS		1 LS				\$ 1,740,882.98
Covington Hwy	WL4	Ruby Collins	12 Inch Open Cut Water Line		750 FT				
Covington Hwy	WL4	Ruby Collins	12 Inch Gate Valves	Inc					
Covington Hwy	WL4	Ruby Collins	12 45 Bends	Inc					
Covington Hwy	WL4	Ruby Collins	Cut and Cap 12 Inch Line	Inc					
Covington Hwy	WL4	Archer Western	Equipment		1 LS	\$	766,261.99	\$ 1,021.68	
Covington Hwy	WL4	Archer Western	MOT		1 LS				
Covington Hwy	WL4	Archer Western	QC Testing/Water/Erosion		1 LS				
Covington Hwy	WL4	Archer Western	Grading Support		1 LS				
Covington Hwy	WL4	Archer Western	OH Support & STS		1 LS				
Covington Hwy		Archer Western	Site Investigation		1 EA	\$	25,932.00	Incl above	Incl above
BOTH		Archer Western	Design Fees		1 EA	\$	34,000.00	Incl above	Incl above



FEDERAL AID PROJECT DEKALB COUNTY

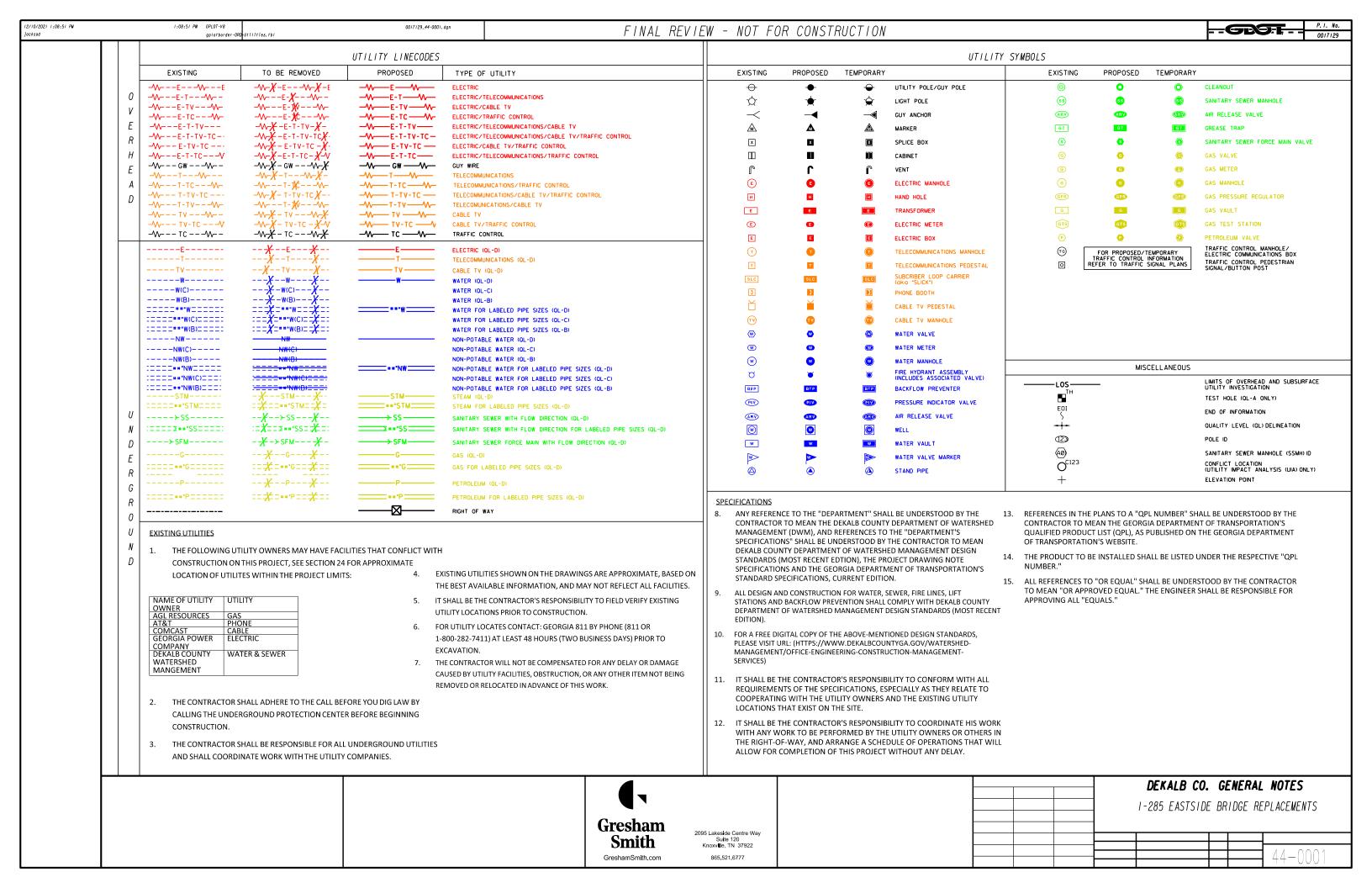
**└PROJECT LOCATION** 

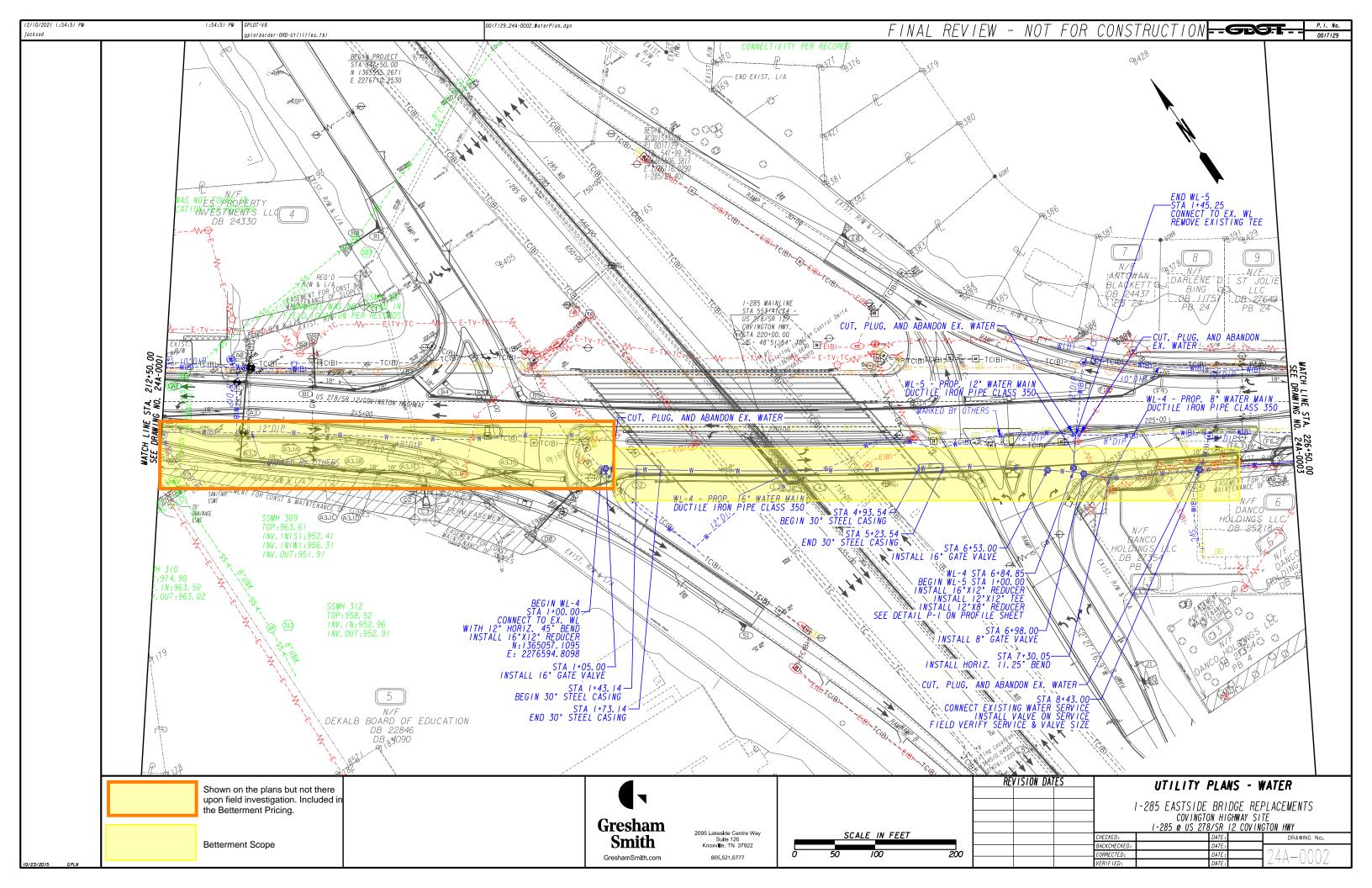
FEDERAL ROUTES: 1-285 & US 278 STATE ROUTES: SR 407 & SR 12 P.I.NO. 0017129

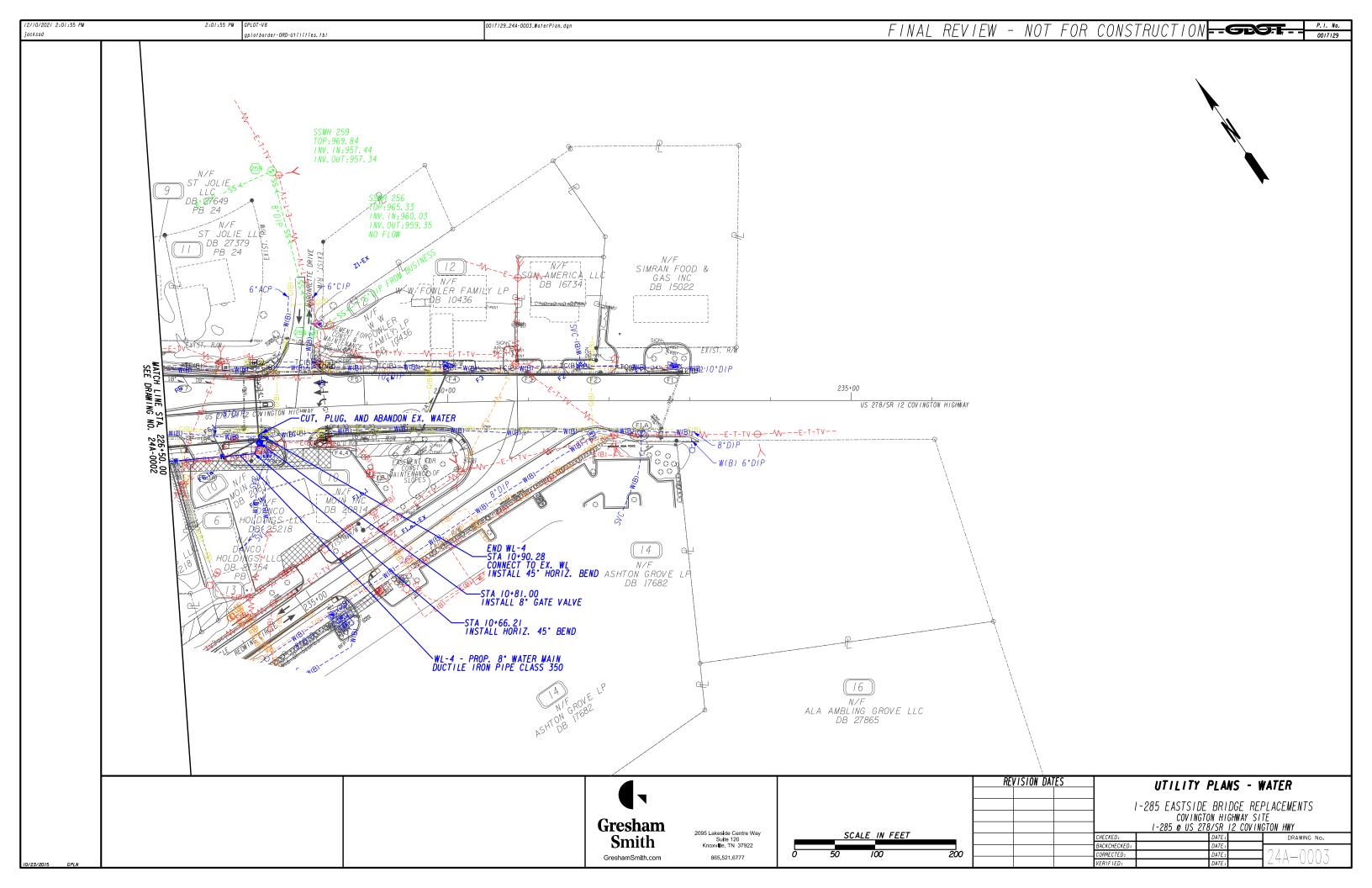


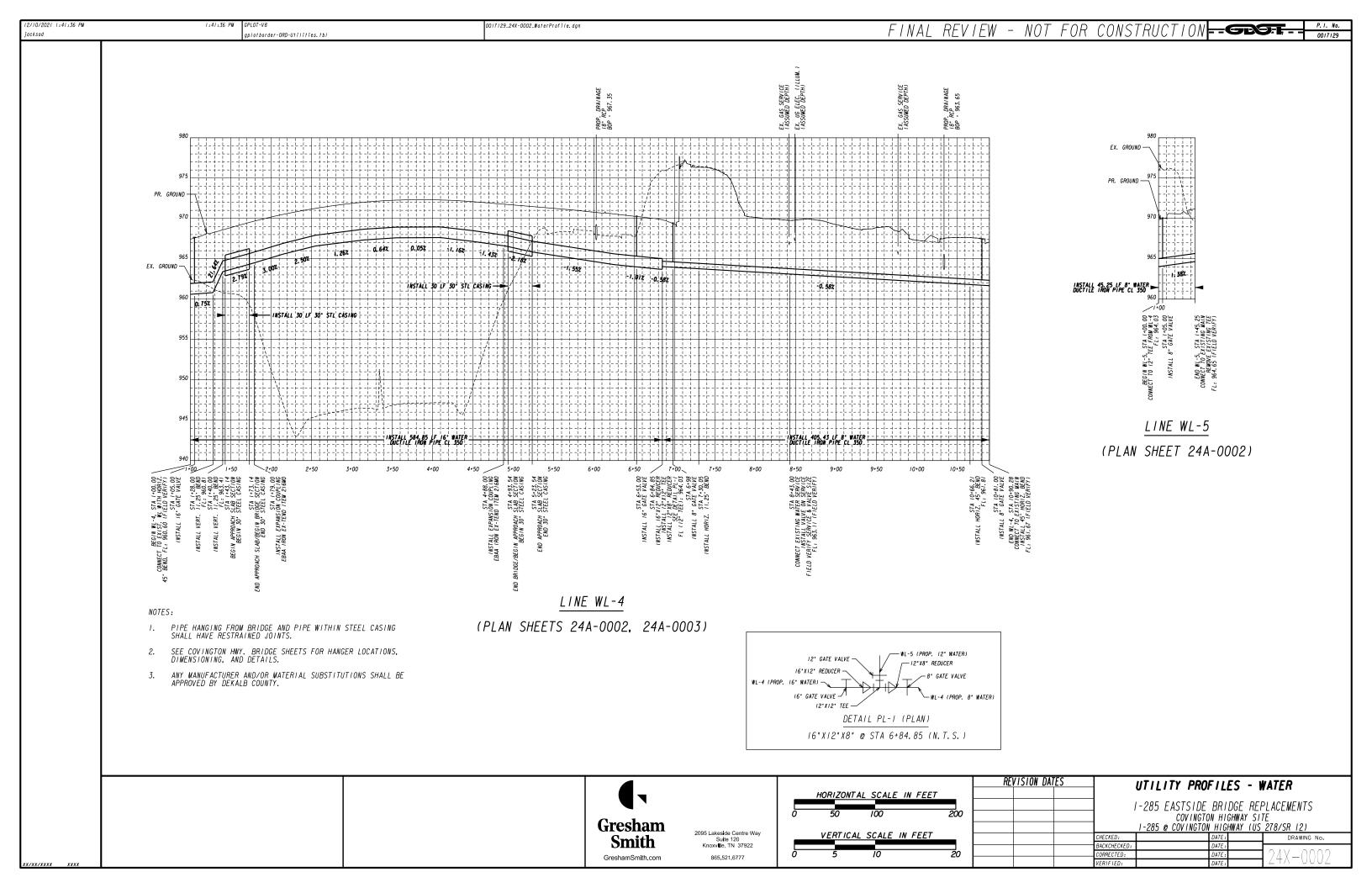


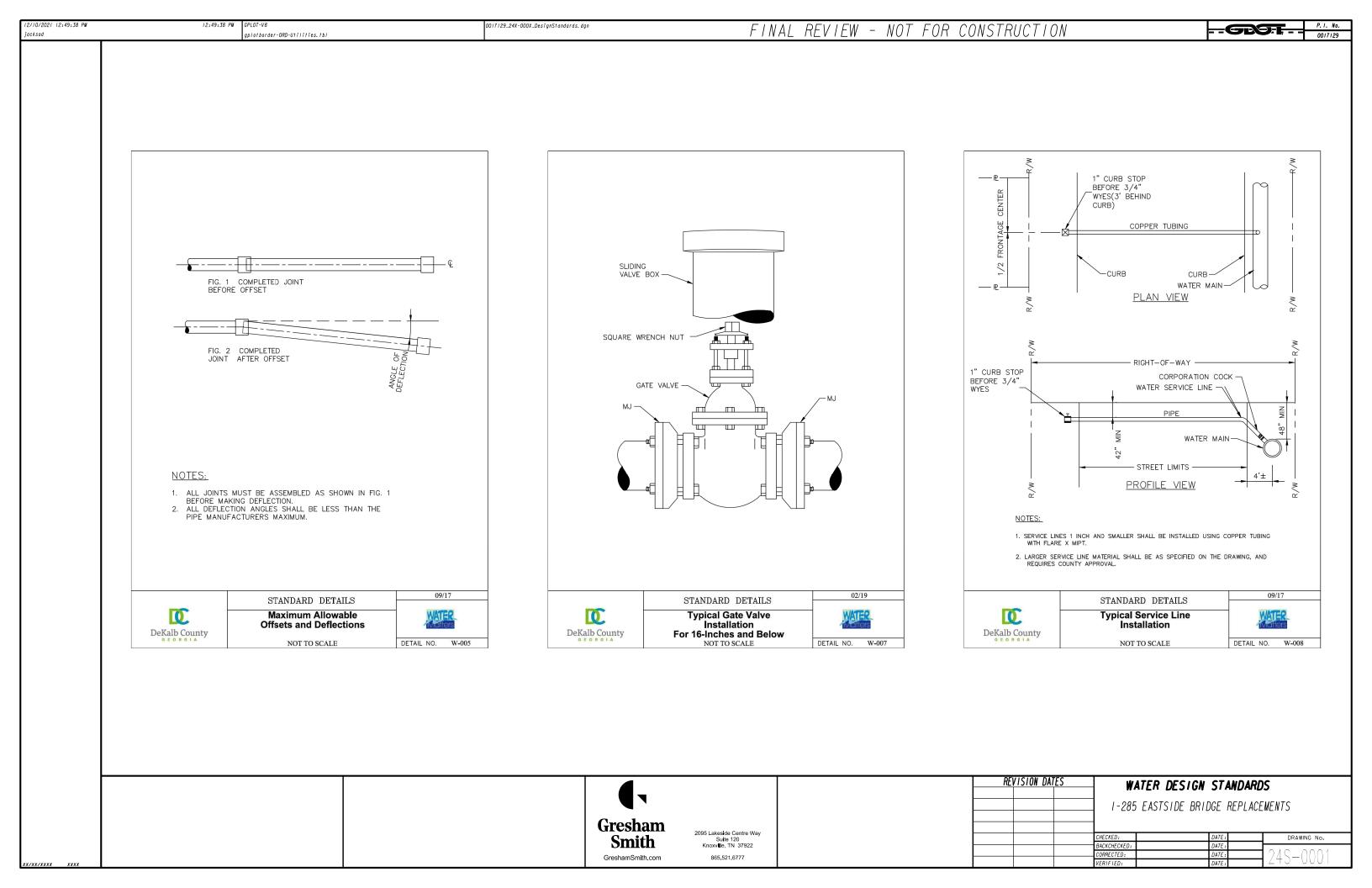
ATE CHIEF ENGINEER	
PLANS COMPLETED	
REVISIONS	
	DRAWING No.





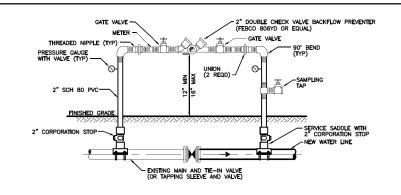








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## NOTES:

- 1. A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER MAINS AND PROPOSED WATER MAINS.
- 2. THIS DETAIL IS TO BE USED FOR FILLING ANY NEW WATER MAIN AND FOR FLUSHING OF NEW MAINS UP TO 8" DIAMETER (2.5 FPS MINIMUM VELOCITY), AND FOR BACTERIOLOGICAL SAMPLING POINTS AT THE ENDS OF THE PROPOSED MAINS, THE JUMPER CONNECTIONS SHALL BE MANTAINED UNTIL AFTER FLILING, FLUSHING, TESTING, DISINFECTION OF THE PROPOSED MAIN HAS BEEN SUCCESSFULLY COMPLETED AND CLEARANCE FOR USE FROM THE DCDWM HAS BEEN RECEIVED. THIS JUMPER CONNECTION SHALL ALSO BE USED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI IN THE PROPOSED MAINS AFTER DISINFECTION AND UNTIL THE CLEARANCE LETTER IS OBTAINED.
- 3. FLUSHING OF THE 10" DIAMETER AND LARGER WATER MAIN MAY BE DONE THROUGH THE TIE-IN VALVE UNDER VERY CONTROLLED CONDITIONS, AS FOLLOWS:
- A THE TIE—IN VALVES SHALL BE OPERATED AND PRESSURE TESTED IN THE PRESENCE OF DCDWM AND ENGINEER TO VERIFY WATER TIGHTNESS PRIOR TO TIE—IN. VALVES WHICH ARE NOT WATERTIGHT SHALL BE REPLACED.
- B. THE TEMPORARY JUMPER CONNECTION SHALL BE CONSTRUCTED AS DETAILED. THE JUMPER CONNECTION SHALL BE USED TO FILL THE NEW MAIN AND FOR BACTERIOLOGICAL SAMPLING OF THE NEW MAIN AS REQUIRED BY THE DCDWM PERMIT.
- FLUSHING SHALL NOT BE ATTEMPTED DURING PEAK DEMAND HOURS OF THE EXISTING WATER MAINS.
- ALL DOWNSTREAM VALVES IN THE NEW SYSTEM MUST BE OPEN PRIOR TO OPENING THE TIE-IN VALVE.
- MONITOR THE PRESSURE AT THE TIE-IN POINT. THE PRESSURE IN THE EXISTING MAIN MUST NOT DROP BELOW 35 PSI.
- TIE-IN VALVE SHALL BE OPENED A FEW TURNS ONLY ENSURING A PRESSURE DROP ACROSS THE VALVE IS ALWAYS GREATER THAN 10 PSI.
- C. THE TIE-IN VALVE SHALL BE LOCKED CLOSED UNTIL FLUSHING BEGINS.
- D. THE TIE-IN VALVE SHALL BE OPENED ONLY FOR FLUSHING OF THE NEW MAIN. THE PROCEDURE SHALL BE DIRECTED BY THE DCDWM.
- E. AFTER FLUSHING, THE TIE-IN VALVE SHALL BE CLOSED AND LOCKED IN THE CLOSED POSITION.
- 4. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION DEMONSTRATING THAT THE DOUBLE CHECK VALVE BACKFLOW
- 5. EXCEPT AS REQUIRED TO FLUSH LINES GREATER THAN 8" IN DIAMETER, THE TIE—IN VALVE SHALL REMAIN LOCKED CLOSED UNTIL THE NEW SYSTEM HAS BEEN CLEARED FOR USE BY ALL PERTINENT AGENCIES.
- UPON RECEIPT OF CLEARANCE FOR USE FROM DCDWM, THE CONTRACTOR SHALL REMOVE THE TEMPORARY JUMPER CONNECTION. STOPS ARE TO BE CLOSED AND PLUGGED WITH 2" BRASS PLUGS.
- ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION AND ASSOCIATED BACKFLOW PREVENTION DEVICE, FITTINGS, VALVE, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

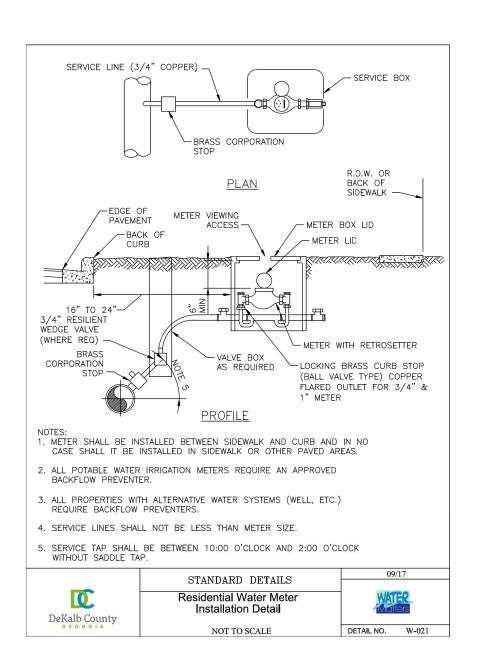


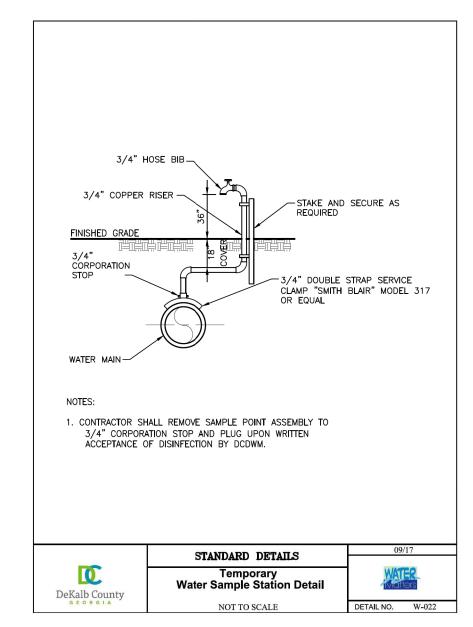
## STANDARD DETAILS Temporary Disinfection Jumper Installation Detail

NOT TO SCALE



DETAIL NO. W-015







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