



AGENDA STAFF MEMO

TO: Honorable Mayor and City Council Members
FROM: Sara Leaders, PE, Public Works Director
DATE: Submitted on July 28, 2025, for the August 4, 2025, Regular City Council Meeting

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AGENDA ITEM: Approval of an Intergovernmental Agreement between the City of Milton and Fulton County for Water Line Relocation on the Crabapple Road Multiuse Trail Project

SUMMARY:

The construction of a new multiuse trail along Green Road and Crabapple Road/SR 372 requires relocation of a Fulton County water line. Fulton County reviewed the project and requested the water line work be included in the City's construction project. This Intergovernmental Agreement provides for reimbursement to the City for the new installations, adjustments, and relocations of the county's facilities that will be completed by the City's project. This approach allows for the work to be completed in an economical and efficient manner without disruption to the project construction and schedule.

FUNDING AND FINANCIAL IMPACT:

The estimated reimbursement amount from Fulton County is \$284,800

REVIEW & APPROVALS:

Financial Review: Bernadette Harvill, Deputy City Manager –
Legal Review: Greg Mayfield, Jarrard & Davis, LLP – July 25, 2025
Concurrent Review: Steven Krokoff, City Manager –

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ATTACHMENT(S):

Intergovernmental Agreement

SERVICE • TEAMWORK • OWNERSHIP • LEADERSHIP • RURAL HERITAGE

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**INTERGOVERNMENTAL AGREEMENT
BETWEEN FULTON COUNTY, GEORGIA
AND CITY OF MILTON, GEORGIA**

For Crabapple Multiuse Trail Connection Project

THIS INTERGOVERNMENTAL AGREEMENT (this “**IGA**”) is executed as of the _____ day of _____, 2025, by and between **CITY OF MILTON, GEORGIA**, a municipal corporation of the State of Georgia (“**City**”), and **FULTON COUNTY, GEORGIA**, a political subdivision of the State of Georgia (“**Fulton County**”). The term “**Party**” refers individually to either City or Fulton County and the term “**Parties**” refers to both City and Fulton County.

WHEREAS, City has undertaken a project for the Crabapple Multiuse Trail connection along S.R. 372/Crabapple Road and Green Road (the “**Project**”) through its competitive bidding procedures; and

WHEREAS, Fulton County has the following utility (water and sewer) facilities which must be adjusted, added, or relocated and provided connection along the new roadway as a result of the proposed Project (hereinafter called the “**Utilities Relocation**”); the facilities include fire hydrants, a water main, water meters, valve boxes, and sewer manholes as shown on construction plans for the Project; and

WHEREAS, Fulton County does not have adequate equipment or staff to adjust or relocate its facilities or for other reasons considers it advantageous to have this work included in City’s construction contract; and

WHEREAS, the plans and specifications for the Utilities Relocation (hereinafter called the “**Plans**”) have been approved by both City and Fulton County and are attached hereto and incorporated herein as **Exhibit “A”**; and

WHEREAS, the Constitution of the State of Georgia provides, in Article IX, Section III, Paragraph I, Subparagraph (a), that any county or municipality of the State of Georgia may contract for any period not exceeding 50 years, with each other or with any other public agency, public corporation, or public authority for the provision of services, or for the joint or separate use of facilities or equipment when such contracts deal with activities, services, or facilities which the contracting parties are authorized by law to undertake or provide; and

WHEREAS, Fulton County and City desire to enter into this IGA wherein City, through its contractor, can adjust and relocate Fulton County’s facilities in an economical and efficient manner without disruption to the Project; and

WHEREAS, as consideration for City adjusting, adding, or relocating Fulton County’s facilities, Fulton County will reimburse the cost to City; and

WHEREAS, Fulton County and City have determined that this IGA serves the best interest of all Parties and their citizens by improving public infrastructure.

NOW THEREFORE, incorporating the foregoing recitals, and in consideration of the mutual promises, covenants, and undertakings of the Parties hereinafter set forth, and for the public purposes herein contained and provided for, Fulton County and City covenant, agree, and bind themselves as follows:

I. PURPOSE.

This IGA is entered into with the understanding by the Parties that the primary purpose of this IGA is for the Parties to meet the public purpose of transportation and infrastructure improvements, including water facilities.

II. COMPENSATION AND PAYMENT.

1. The approximate non-binding pre-let estimate of the total cost of the Utilities Relocation work contemplated under this IGA, subject to change based upon bid acceptance and as otherwise provided herein, is \$284,800.00 (Two Hundred Eighty-Four Thousand Eight Hundred and 00/100 Dollars) based on Fulton County's estimate attached hereto and incorporated herein as **Exhibit "B"**. Fulton County shall pay 100 percent of the final cost of the Utilities Relocation work performed on behalf of Fulton County to City, as such cost is determined pursuant to the terms of this IGA. It is agreed that the compensation specified includes both direct costs and indirect costs, specifically including overhead expenses but excluding attorney's fees, incurred in the performance of this IGA.
2. As soon as practicable after the opening of bids and acceptance of a bid by City, City shall notify Fulton County in writing of the cost amount due City.
3. City will submit invoices for progress payments to Fulton County monthly, quarterly, and/or after completion of the Utilities Relocation work. Fulton County shall pay such invoices within thirty (30) days from receipt until and through completion of the Utilities Relocation work. City shall submit a final invoice to Fulton County as provided herein.
4. In the event there is a change in the Project or it becomes necessary to add pay items that are not provided for in this IGA, City shall negotiate prices with the construction contractor and enter into a supplemental agreement with the contractor for completion of the additional items, after obtaining the written consent of Fulton County on items that affect the Utilities Relocation. Once approved, Fulton County shall bear 100 percent of the additional cost of the Utilities Relocation, including, without limitation, the cost of any improvements or betterments to the water facilities requested by Fulton County, as determined in accordance with this IGA.

5. The final cost of the Utilities Relocation work performed on behalf of Fulton County shall be determined by measurement of the actual quantities of installed materials, including added items as provided herein, multiplied by the actual bid prices. Accordingly, after the Utilities Relocation has been completed and as-built plans have been provided to Fulton County, City shall determine the final as-built cost to be borne by Fulton County and, as the case may be, shall refund to Fulton County or shall request of Fulton County an additional payment in the amount of the difference between the final cost to be borne by Fulton County and the amount which Fulton County has previously paid to City. In the event additional payment is due to City, Fulton County agrees to pay same within thirty (30) days after the invoice is received from City. In the event a refund is due Fulton County, City agrees to pay Fulton County within thirty (30) after the refund amount is determined by City.

III. OVERVIEW.

The work contemplated by this IGA consists of Utilities Relocation as a result of the Project. Upon completion of the work and upon certification by City and Fulton County's Engineers that the work has been completed in accordance with the Plans, Fulton County will accept the adjusted, relocated, and additional facilities and will thereafter operate and maintain said facilities without further cost to City or its contractor. Such maintenance and all operations and activities will meet Fulton County's rules, policies, procedures, standards, and specifications, and be subject to City's requirements related to utility accommodations.

IV. FULTON COUNTY RESPONSIBILITIES.

1. Fulton County agrees that the Project and Utilities Relocation designs are accurately shown in the Plans attached hereto as **Exhibit "A"** to the best of the Parties' knowledge.
2. Subject to the provisions of Section X hereof, Fulton County shall have the right to visit and to inspect the work activities and any reports, drawings, studies, specifications, estimates, maps, and computations related to the work for Fulton County's facilities at any time to ensure they meet Fulton County's rules, policies, procedures, standards, and specifications, and to advise City's Project Manager / Engineer-in-Charge of any observed discrepancies or potential problems.
3. Fulton County shall respond in a timely manner to any issue that may arise during the construction phase. Every effort shall be made not to delay the contractor under any circumstances.
4. Subject to the provisions of Section II hereof, Fulton County is responsible for reimbursing all material and labor costs to City related to the Utilities Relocation for this Project that are completed to the reasonable satisfaction of Fulton County in accordance with the Plans.

V. CITY'S RESPONSIBILITIES.

1. City shall undertake the contracting and assume responsibility for the Project's management and completion.
2. City shall ensure that all work necessary for the Utilities Relocation in accordance with the final Plans shall be included in the contract and let to bid by City.
3. All construction, engineering and contract supervision shall be the responsibility of City. City shall keep accurate records with regard to the activities conducted under this IGA and provide Fulton County access to such records upon request. City shall consult with Fulton County for its approval as provided herein before authorizing any changes or deviations which affect Fulton County's facilities.
4. City shall respond in a timely manner to any issue that may arise during the construction phase. All efforts shall be made not to delay the contractor under any circumstances.
5. City shall be responsible to assure that all Utilities Relocation work is accomplished in accordance with the Plans.

VI. ADDITIONAL UNDERSTANDINGS.

The Parties to this IGA have mutually acknowledged and agreed to the following:

1. The Parties shall work together in a cooperative and coordinated effort, and in such a manner and fashion to bring about the achievement and fulfillment of the goals and objectives of this IGA.
2. It is not the intent of this IGA to restrict the Parties to this IGA from their involvement or participation with any other public or private individuals, agencies or organizations.

VII. TERM.

This IGA shall be effective upon execution by both Parties and continue until completion of the Utilities Relocation and the Project and full reimbursement by Fulton County to City for the cost of the work. In no event shall this IGA exceed a fifty (50) year term. The Parties may agree to amend this IGA at any time.

VIII. RESPONSIBILITY FOR CLAIMS AND LIABILITY.

It is hereby stipulated and agreed between the Parties that, with respect to any claim or action brought by a third party and arising out of the activities described in this IGA or stemming from any matter arising out of any actual or alleged infringement of any patent, trademark, copyright, or service mark, or other actual or alleged unfair competition disparagement of product or service, or other tort or any type whatsoever, or any actual or alleged violation of trade regulations, each Party shall only be liable for payment of that portion of any and all liability, costs, expenses, demands, settlements, or judgments resulting from the negligence actions or omissions of its own agents, officers, and

employees. Either Party may self-fund its obligations under this IGA. However, nothing herein shall be construed as a waiver of any Party's sovereign immunity or the immunities available to the officials, officers and employees of the Parties. Under the construction contract between City and the contractor performing the Utilities Relocation, such contractor shall agree to indemnify and hold harmless Fulton County as an additional indemnified party under the construction contract with respect to the Utilities Relocation work.

IX. INSURANCE.

Under the construction contract between City and the contractor performing the Utilities Relocation, such contractor shall agree to include Fulton County, as the owner of the utility facilities affected by the Utilities Relocation work, as an additional insured on bodily injury and property damage liability insurance required to be purchased and maintained by the contractor in accordance with the terms of the construction contract. Such insurance shall be in an amount of not less than \$1,000,000.00 per occurrence. Certificates of insurance stating coverages and policy limits and showing City, Fulton County, and other insured parties as additional insured shall be provided in accordance with the terms of the construction contract.

X. REVIEW OF WORK.

Authorized representatives of Fulton County may at all reasonable times review and inspect the Utilities Relocation work under the terms of this IGA and any amendments thereto. If requested by Fulton County under the terms hereof, its review recommendations shall be reviewed and considered by City's Project Manager / Engineer-in-Charge. Should City's Project Manager / Engineer-in-Charge determine incorporation of such recommendations into the work activities of City is not appropriate, the Project Manager / Engineer-in-Charge shall promptly notify Fulton County and, should Fulton County so request, the Parties will meet within seven (7) days to discuss and review Fulton County's recommendations. Should the Parties be unable to agree after meeting, Fulton County's recommendations shall be incorporated into the work activities if they relate solely to Fulton County's facilities. Otherwise, the determination of the Project Manager / Engineer-in-Charge shall control.

XI. TIME OF PERFORMANCE.

Time is of the essence in all matters pertaining to this IGA. In the event Fulton County requests any changes in the work related to the Utilities Relocation after the Project work is underway, Fulton County shall cooperate in a prompt and timely manner to any requests by City in the processing of any change orders to avoid delays on the progress of the Utilities Relocation. Fulton County will be responsible for any unforeseen site condition related to the Utilities Relocation work that creates a Project delay.

XII. MISCELLANEOUS.

1. **Entire Agreement; Counterparts.** This IGA may be executed by the Parties in counterparts, each of which shall constitute an original. This IGA, including the attached exhibits, sets forth the entire understanding between the Parties and supersedes all previous agreements and understandings between them, oral or written, and may be amended only in a document executed by both Parties. No amendment, modification, termination, or waiver of any provision of this IGA, nor consent to any departure by the Parties, shall in any event be effective unless the same shall be in writing and signed by Fulton County and City, and then such waiver or consent shall be effective only in the specific instance and for the specific purpose for which given.
2. **Governing Law.** This IGA and the Parties' rights and obligations hereunder, shall be governed by, and construed and enforced in accordance with, the laws of the State of Georgia, without regard to its conflict of laws rules.
3. **Sovereign Immunity.** Nothing herein shall be construed as a waiver of either Party's sovereign immunity as a governmental body or waiver of any governmental immunities available to its officers, officials, employees, or agents.
4. **Representations and Warranties of the Parties.** In furtherance of the public purposes of this IGA, Fulton County and City hereby represent and warrant to each other (which representations and warranties shall be deemed independently material notwithstanding any prior inquiries) the following:
 - A. **Authority.** Each Party hereto expressly represents and warrants that (i) it has the power to make, deliver and perform this IGA, and has taken all necessary action to authorize the execution, delivery and performance of this IGA; (ii) this IGA when executed will constitute the valid obligations with respect to each Party, legally binding upon the same and enforceable in accordance with the terms hereof; and (iii) no further consent or approval of any other Party not specifically mentioned herein is required in connection with the execution, delivery, performance, validity and enforcement of this IGA. Without limiting the generality of the foregoing, each Party hereby expressly acknowledges and represents that it has officially adopted and otherwise approved this IGA at a meeting of its governing authority in accordance with the Constitution and laws of the State of Georgia, to include, without limitation, the Georgia Open Meetings Act, O.C.G.A. 50-14-1 *et seq.*

B. **Public Purpose.** This IGA and the services contemplated herein are for the public welfare and benefit and are undertaken in accordance with the laws and Constitution of the State of Georgia. Without limiting the foregoing, the Parties specifically and expressly warrant and represent, and do hereby find, that this IGA (i) pertains to the provision of services and activities which the Parties are by law authorized to undertake and provide; (ii) is otherwise authorized under the Intergovernmental Contracts Clause of the Georgia Constitution of 1983, Art. IX, Sec. III, Par. 1(a); and (iii) does not authorize the creation of new debt as contemplated by Ga. Const. of 1983, Art. IX, Sec. V. Par. 1(a).

5. **Assignment; Binding Effect.** The rights and obligations of the Parties under this IGA are personal and may not be assigned by one Party without the prior written consent of the other Party. Subject to the foregoing, this IGA shall be binding upon and enforceable against, and shall inure to the benefit of, the parties hereto and their respective successors and permitted assigns.
6. **No Third-Party Beneficiaries.** This IGA is made between and limited to Fulton County and City, and is not intended, and shall in no event be construed to be, for the benefit of any person or entity other than Fulton County and City, and no other person or entity shall be considered a third-party beneficiary by virtue of this IGA or otherwise entitled to enforce the terms of this IGA for any reason whatsoever.
7. **Exhibits.** Each and every exhibit referred to or otherwise mentioned in this IGA is attached to this IGA and is and shall be construed to be made a part of this IGA by such reference or other mention at each point at which such reference or other mention occurs, in the same manner and with the same effect as if each exhibit were set forth in full and at length every time it is referred to or otherwise mentioned.
8. **Relationship of Parties.** Notwithstanding anything in this IGA to the contrary, neither Party shall have the power to bind nor obligate the other Party except as expressly set forth in this IGA.
9. **Notices.** Any notice or communication required or permitted under this IGA shall be in writing and shall be deemed received when: i) delivered in person, or ii) upon actual delivery when sent by national overnight express commercial carrier, or iii) on the third day after the postmark date when mailed by certified mail, return receipt requested, to the Party at the address given below.

TO FULTON COUNTY:

David E. Clark
Director, Department of Public Works
141 Pryor Street, S.W., Suite 6001
Atlanta, Georgia 30303

Copy to:

County Attorney
Office of the County Attorney
141 Pryor Street, S.W., Suite 4038
Atlanta, Georgia 30303

TO CITY:

Sara Leaders
City of Milton Public Works
2006 Heritage Walk
Milton, Georgia 30004

Copy to:

Jarrard & Davis, LLP
222 Webb Street
Cumming, Georgia 30040
Attention: Ken Jarrard, Esq.

10. **Severability.** If any provision of this IGA shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.
11. **Force Majeure.** Neither Party shall be deemed to be in violation of this IGA if either is prevented from performing its obligations hereunder for any reason beyond its control, including but not limited to acts of God, civil or military authority, act of public enemy, accidents, fires, explosions, earthquakes, floods or catastrophic failures of public transportation.

[SIGNATURES FOLLOW ON NEXT PAGE]

IN WITNESS WHEREOF, the Parties, by and through their duly authorized representatives, have executed this IGA to be effective as of the date first set forth above.

CITY OF MILTON, GEORGIA

By: _____
Peyton Jamison, Mayor

Attest: _____
City Clerk

(SEAL)

FULTON COUNTY, GEORGIA

By: _____
Robert L. Pitts, Chairman
Board of Commissioners

Attest:

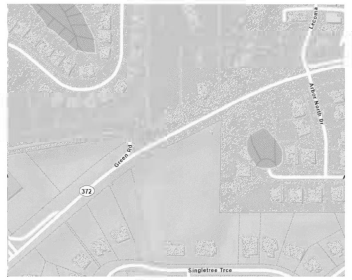
By: _____
Tonya R. Grier
Clerk to the Commission

(COUNTY SEAL)

Approved as to Form:

By: _____
Y. Soo Jo, County Attorney

EXHIBIT "A"



LOCATION SKETCH

CITY OF MILTON DEPARTMENT OF TRANSPORTATION

Fulton County Proposed Waterline Plans

TS2-2321 CRABAPPLE MULTI USE TRAIL CONNECTION PROJECT

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CITY OF MILTON DEPARTMENT OF TRANSPORTATION

Fulton County Proposed Waterline Notes

TS2-2321 CRABAPPLE MULTI USE TRAIL CONNECTION PROJECT

FULTON COUNTY UTILITY NOTES:

1. ALL EXISTING WATER LINES, VALVES, VALVE BOXES, METER BOXES SHALL BE FIELD LOCATED AND VERIFIED, FOR LOCATION, SIZE, AND MATERIAL TYPE INCLUDING ALL EXISTING SANITARY SEWER MANHOLES. COST FOR VERIFICATION WILL BE INCLUDED IN THE OVERALL BID PRICE OF THE PROJECT.
2. ALL EXISTING WATER LINE SERVICES SHALL BE CONNECTED TO THE NEWLY INSTALLED WATER LINE. ALL WATER METERS TO BE PLACED JUST OUTSIDE THE R/W.
3. THE EXISTING WATER AND SANITARY SEWER UTILITIES LOCATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE APPROXIMATE LOCATIONS; THEREFORE, THE CONTRACTOR SHALL FIELD LOCATE AND VERIFY THEIR EXISTING HORIZONTAL AND VERTICAL LOCATIONS, PRIOR TO THE COMMENCEMENT OF THE PROJECT.
4. ALL FIRE HYDRANTS SHALL BE INSTALLED AT 400 FEET INTERVALS ALONG THE NEWLY INSTALLED WATER LINE. CONTRACTOR TO INSTALL AIR RELEASE VALVES AND BLOW OFF VALVES AT NO SEPARATE COST.
5. THE CONTRACTOR SHALL INSTALL ALONG THE NEW WATER LINE ISOLATION GATE VALVES AT 800 FEET INTERVALS (I.E. AT EVERY OTHER FIRE HYDRANT) AND/OR AS PER CURRENT INSTALLATION CONDITION APPROVED BY FULTON COUNTY PROJECT MANAGER; SEE DETAIL FOR ONE/TWO WAY FLOW.
6. THE PROPOSED WATER LINE (D.I.P) SHALL BE PRESSURE CLASS 350 PSI, AND THICKNESS CLASS 51, MADE IN U.S.A.
7. ALL STEEL CASINGS ARE TO EXTEND MINIMAL 3 FEET BEYOND BACK OF CURB.
8. THE MINIMUM COVER OF FOUR (4) FEET IS REQUIRED OVER THE PROPOSED WATER LINE FROM THE FINISHED GRADE.
9. ALL ABANDONED WATER LINES LARGER THAN 6" I.D. SHALL BE FILLED WITH FLOWABLE FILL.
10. ELECTRONIC LOCATER TAPE TO BE INSTALLED 2 FT ABOVE AND ALONG THE PIPE. COST OF ELECTRONIC TAPE SHALL BE INCLUDED IN THE UNIT COST FOR INSTALLING THE WATERLINE.
- FULTON COUNTY'S STANDARD DRAWINGS CAN BE FOUND AT WEBSITE: [HTTPS://WWW.FULTONCOUNTYGA.GOV/SERVICES/VIEW-CONSTRUCTION-STANDARD-DETAILS](https://www.fultoncountyga.gov/services/view-construction-standard-details). IF NOT FOUND, CONTACT FC PROJECT MANAGER.
11. DURING CONSTRUCTION, ANY UTILITY CONFLICT(S) THAT MAY CHANGE THE ORIGINAL DESIGN PLANS WILL NEED TO BE PREAPPROVED BY FULTON COUNTY WATER PROJECT MANAGER.
12. ALL COST ASSOCIATED WITH SAW CUTS TO BE INCLUDED IN THE UNIT COST FOR PIPE INSTALLATION.

FULTON COUNTY GENERAL NOTES

1. CONTRACTOR TO INSTALL WATER METERS ON FIRE LINES, INCLUDING VAULT AND BYPASS PIPING. CONTRACTOR IS RESPONSIBLE TO SALVAGE ALL OLD WATER METERS, AND DELIVER THEM TO FULTON COUNTY. THE CONTRACTOR SHALL COORDINATE ALL WATER UTILITY WORK WITH FULTON COUNTY PROJECT MANAGER.
2. EXISTING WATER METER LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY EXISTING WATER METER LOCATIONS, PRIOR TO THEIR RELOCATION, DURING CONSTRUCTION. CONTRACTOR SHALL RECONNECT AND/OR CONNECT EXISTING WATER SERVICE LINES AND WATER METERS TO WATER MAIN. ALL EXISTING WATER LINE SERVICES SHALL BE CONNECTED TO THE NEWLY INSTALLED WATER LINE. RELOCATED METERS SHALL BE PLACED ON TOP OF EXISTING SERVICE LINES AS THEY EXIT THE RIGHT OF WAY OR EASEMENT.
3. ALL EXISTING FIRE HYDRANTS AND VALVES REMOVED DUE TO ROAD CONSTRUCTION SHALL BE SALVAGED AND DELIVERED TO THE FULTON COUNTY DEPARTMENT OF WATER AND SEWER MAINTENANCE DIVISION.
4. THE CONTRACTOR SHALL NOT INCLUDE THE PAYMENT FOR CUT AND PLUG OF EXISTING PIPE INTO THE LINEAR FEET UNIT PRICE FOR NEW PIPES. THE CONTRACTOR SHALL PROVIDE UNIT PRICE FOR AN ESTIMATED AMOUNT OF CUTS AND PLUGS TO EXISTING WATER PIPE, AND IT SHALL BE INCLUDED IN THE PROJECT'S WATER UTILITY BID ITEM. THE EXISTING PIPES CUT AND PLUG LOCATIONS SHALL BE COORDINATED WITH FULTON COUNTY PROJECT MANAGER PRIOR TO PERFORMING THE WORK.
5. SERVICE TIE-INS FOR COMMERCIAL SITES & SUBDIVISION MAINS MUST BE PERFORMED AT NIGHT AND SHALL BE COORDINATED WITH FULTON COUNTY PROJECT MANAGER.
6. CONTRACTOR IS RESPONSIBLE TO NOTIFY WATER CUSTOMERS AND PUBLIC, SEVEN (7) DAYS PRIOR TO WATER SERVICE DISRUPTION, DUE TO PROJECT ACTIVITIES (I.E. WATER MAIN SHUT-OFF, ISOLATION AND SERVICE TIE-IN), IN ACCORDANCE WITH FULTON COUNTY STANDARD.
7. CONTRACTOR SHALL RAISE ALL EXISTING AND NEWLY INSTALLED WATER VALVE BOXES, EXISTING AND NEWLY INSTALLED SANITARY SEWER MANHOLES, EXISTING AND NEWLY INSTALLED WATER METERS TO PROJECT'S FINISH GRADE, INCLUDING ALL EXISTING AND NEWLY INSTALLED FIRE HYDRANTS WITHIN THE PROJECT LIMITS, AS REQUIRED BY FULTON COUNTY STANDARDS AND SPECIFICATIONS.
8. CONTRACTOR SHALL RAISE EXISTING VALVE BOXES AS REQUIRED. IF VALVE BOX BECOMES DEEPER THAN 6', CONTRACTOR SHALL INSTALL STEM EXTENSION PER FULTON COUNTY STANDARDS AND SPECIFICATIONS, COST SHALL BE INCLUDED IN BID PRICE OF ADJUSTING VALVE BOX TO GRADE.
9. THE CONTRACTOR IS RESPONSIBLE TO PROTECT EXISTING WATER MAINS, VAULTS AND APPURTENANCES DURING PROJECT STAGING, PRIOR TO THE PROJECT START-UP, AND WHILE ROAD WORK CONSTRUCTION ACTIVITIES ARE IN PROGRESS.
10. SANITARY SEWER LINE SHALL BE TESTED, BY THE CONTRACTOR, PER FULTON COUNTY PUBLIC WORKS, SEWER SPECIFICATIONS.

WATER DISTRIBUTION NOTES

1. ALL WORK ACTIVITIES AND MATERIALS SHALL CONFORM TO CURRENT FULTON COUNTY STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY FULTON COUNTY PUBLIC WORKS DEPARTMENT WATER AND SEWER DIVISION TWENTY FOUR (24) HOURS PRIOR TO THE START OF WATER LINE CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL CONTACT GEORGIA UTILITIES PROTECTION CENTER AT (GAUPEC.COM), BEFORE INITIATING ANY EXCAVATION.
4. WATER LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF FOUR (4) FEET BELOW THE FINISHED GROUND SURFACE, AND A MINIMUM OF FIVE (5) FEET BELOW THE FINISHED ROADWAY PAVEMENT SURFACE.
5. ALL FIRE HYDRANTS ARE TO BE 3-WAY 5-1/4" TYPE, OR AS APPROVED BY FULTON COUNTY PUBLIC WORKS WATER SERVICE DIVISION.
6. CONCRETE VALVE MARKERS ARE TO BE INSTALLED AT ALL WATER VALVES, EXCEPT AT FIRE HYDRANTS.
7. CONCRETE BLOCKING SHALL BE PLACED AT ALL BENDS, TEES, FITTINGS AND PLUGS. COST OF CONCRETE FOR THURST BLOCKS AND ANCHORS BE INCLUDED IN THE PRICE BID FOR WATER MAIN.
8. THE CONTRACTOR SHALL INSTALL 300 PSI CURB STOPS AND CORPS STOPS AS REQUIRED PER FULTON COUNTY SPECIFICATIONS AND STANDARDS.
9. ALL TAPS SHALL BE DIRECT TAPS, OR AS APPROVED BY FULTON COUNTY PUBLIC WORKS, WATER SERVICE DIVISION.
10. WATER LINE SYSTEMS SHALL BE PRESSURE AND BACTERIA TESTED, BY THE CONTRACTOR, PER FULTON COUNTY PUBLIC WORKS, WATER SPECIFICATIONS.
11. ALL INSTALLED WATER LINE SYSTEMS WILL NOT BE ACCEPTED BY THE FULTON COUNTY, PUBLIC WORKS, WATER SERVICES DIVISION, AND PROJECT MANAGER, UNLESS THE PROJECT'S WATER LINE AS-BUILT DRAWINGS ARE UPDATED, COMPLETED, AND ARE SUBMITTED BY THE CONTRACTOR TO THE COUNTY PROJECT MANAGER FOR REVIEW AND APPROVAL. THE COUNTY REVIEW AND APPROVAL PROCESS SHALL INCLUDE ONSITE INSPECTION WALK THROUGH, WITH COUNTY AND CONTRACTOR STAFF, AND THE CONTRACTOR IS REQUIRED TO FURNISH A COPY OF THE SUBMITTED AS-BUILT WATER LINE DRAWINGS ON SITE.
12. THE CONTRACTOR SHALL NOTIFY FULTON COUNTY PUBLIC WORKS PROJECT MANAGER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION START, DUE TO THE PROJECT'S SITE CURRENT CONDITION.
13. THE CONTRACTOR SHALL INCLUDE IN THEIR SUBMITTED BID DOCUMENT, A BID ITEM WITH ITS UNIT COST, AND ESTIMATED QUANTITY, FOR EXISTING WATER LINE FIELD VERIFICATION, COORDINATION, AND LOCATION.
14. EXISTING WATERLINES LOCATED LESS THAN 3 FEET BENEATH A PROPOSED STORM SEWER LINE ARE TO HAVE A CONCRETE PAD (3' X 3' X 6") PLACED ABOVE THE EXISTING WATERLINE AND UNDER THE STORM SEWER LINE.
15. WET TAP OR STRAIGHT TIE-IN WITH GATE VALVE DEPENDING ON THE SITUATION IN THE FIELD.
16. ALL WATERLINE LOCATIONS WITH LESS THAN 4 FEET OF COVERAGE TO HAVE A CONCRETE SLAB (MINIMAL THICKNESS 6 INCHES; WITH #5 REBAR LAID IN BOTH DIRECTIONS ON CENTER).
17. ALL REMOVED OLD WATER VALVES, METERS, AND FIRE HYDRANTS SHALL BE DELIVERED TO FULTON COUNTY AT,
11575 MAXWELL ROAD
ALPHARETTA, GA. 30009
18. THE EXISTING WATERLINE LOCATION SHOWN ON PROJECT DRAWINGS MAY BE PER THE COUNTY G.I.S., THEREFORE, IT'S CURRENT SITE LOCATION SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND ANY INSTALLATION OF PROPOSED WATERLINE, INCLUDING IT'S SIZE.
19. THE INSTALLED WATERLINE SYSTEM SHALL BE PRESSURE AND BACTERIA TESTED AND PAID FOR BY THE CONTRACTOR, PER FULTON COUNTY PUBLIC WORKS SPECIFICATIONS.
20. AS NEEDED, INSERTION VALVES MAY NEED TO BE INSTALLED TO PROVIDE UNINTERRUPTED WATER SERVICE. CONTRACTOR TO COORDINATE THIS WORK WITH THE FULTON COUNTY CONSTRUCTION PROJECT MANAGER.
21. ANY MANHOLE RING AND COVER THAT IS LOCATED IN THE PAVEMENT SHALL BE TRAFFIC RATED AND LOCKABLE.

22. THE INSTALLATION AND COSTING OF WATER METERS BELOW 1 1/2 INCH, INCLUDES BACKFLOW PREVENTOR. BIDDERS SHALL IDENTIFY THIS ITEM AND UNIT PRICE INTO PROJECT TOTAL BID COST.

23. THE INSTALLATION AND COSTING OF WATER METERS BELOW 1 1/2 INCH SERVICE, EXCLUDES BACKFLOW PREVENTOR. BIDDERS SHALL IDENTIFY THIS ITEM AND UNIT PRICE INTO PROJECT TOTAL BID COST.

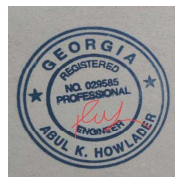
NOTES: BACKFLOW PREVENTOR FOR WATER SERVICE GREATER THAN 1 1/2 INCH.

BACKFLOW PREVENTOR, WITH VAULT SHALL BE RELOCATED AND INSTALLED BY THE PROPERTY OWNER, PRIOR TO CONSTRUCTION. BACKFLOW PREVENTORS AND VAULTS THAT ARE NOT RELOCATED AND INSTALLED OUT OF THE ROADWAY RIGHT OF WAY, MAYBE, AT THE APPROVAL OF FULTON COUNTY PROJECT MANAGER, RELOCATED AND INSTALLED OUT OF RIGHT OF WAY OR EASEMENT UNTO THE OWNERS PROPERTY BY THE CONTRACTOR TO MINIMIZE CONSTRUCTION DELAY.

Fulton County Emergency Contact Numbers:

WATER
24 Hour Contact Phone Number
(770) 640-3040

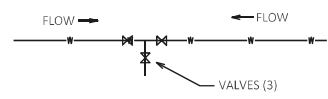
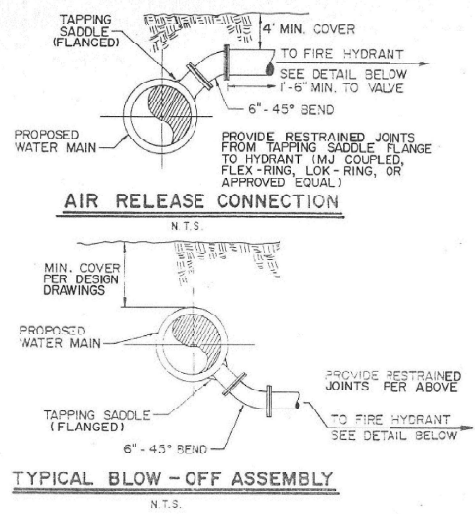
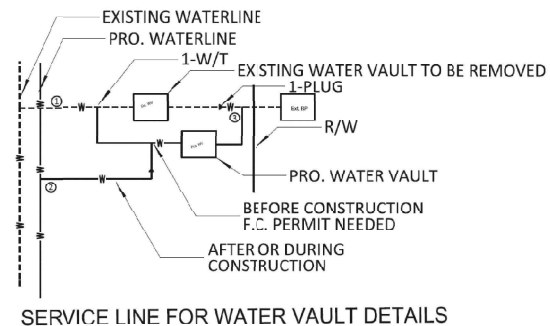
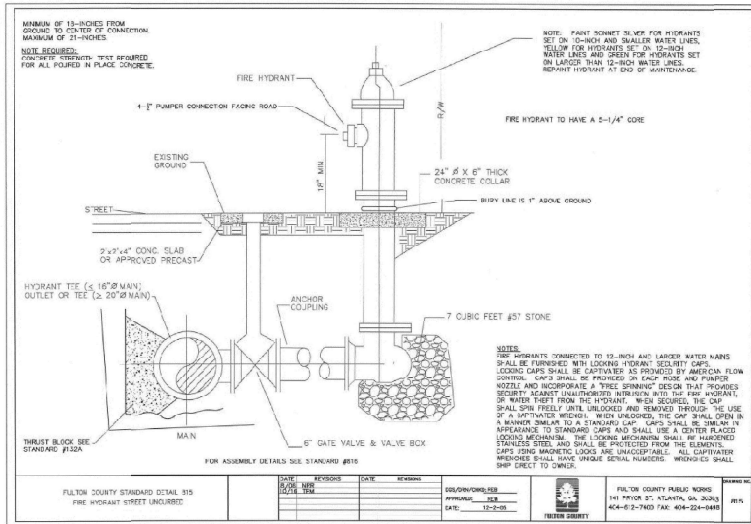
SEWER
24 Hour Contact Phone Number
(404)713-3217



REVISION DATES	

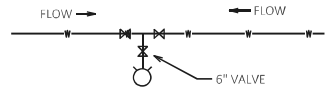
DRAWING No.
44-000A

FULTON COUNTY PUBLIC WORKS STANDARD DETAILS



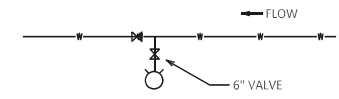
WATERLINE INSTALL
W/ 2 WAY FEED (NTS)

Double Directional Flow:
See Fulton County Utility Notes - Newly installed/proposed waterline at intersections; no additional cost.



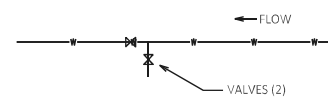
FH INSTALL W/ 2 WAY FEED
(NTS)

Double Directional Flow:
See Fulton County Utility Note 5 - Newly installed/proposed waterline at alternating FH locations; no additional cost.



FH INSTALL W/ 1 WAY FEED
(NTS)

Single Directional Flow:
See Fulton County Utility Note 5 - Newly installed/proposed waterline at alternating FH locations; no additional cost.

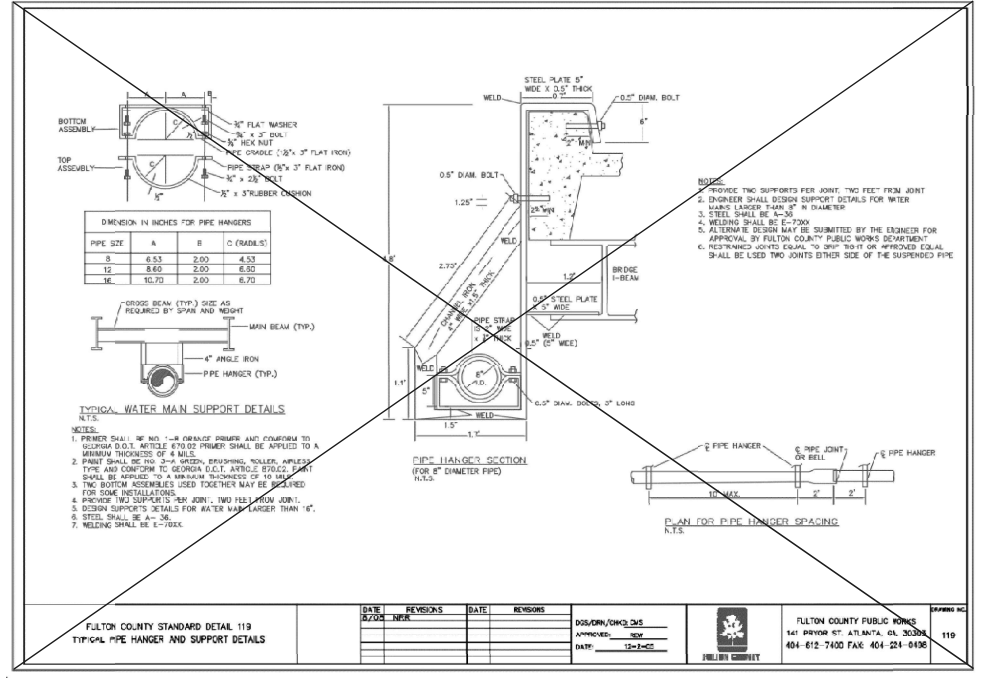
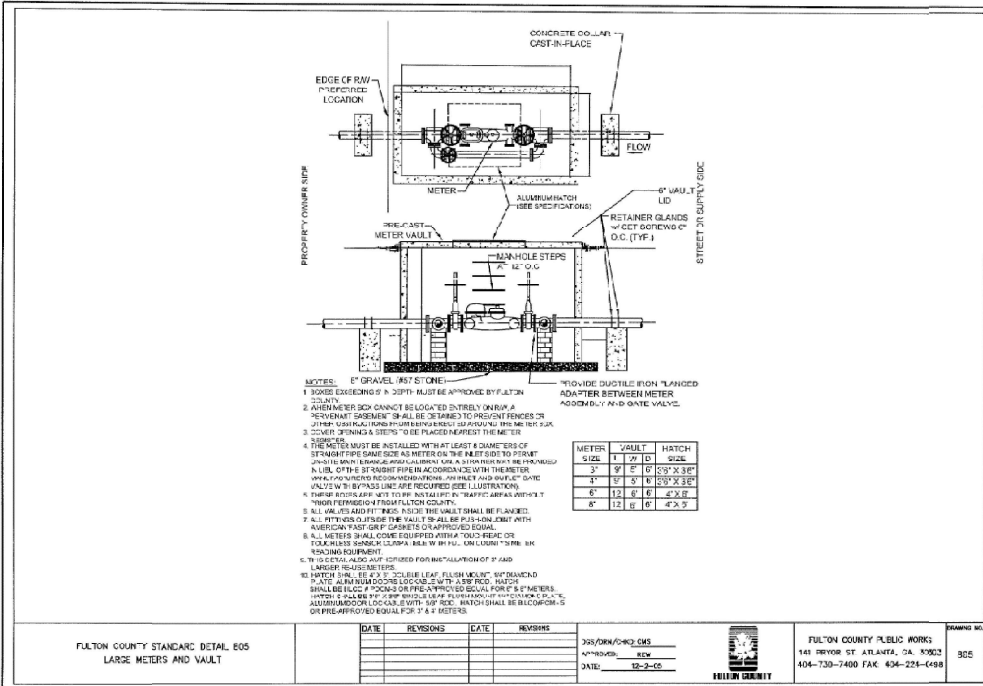


WATERLINE INSTALL
W/ 1 WAY FEED (NTS)

Single Directional Flow:
See Fulton County Utility Notes - Newly installed/proposed waterline at intersections; no additional cost.

[HTTPS://WWW.FULTONCOUNTYGA.GOV/SERVICES/VIEW-CONSTRUCTION-STANDARD-DETAILS](https://www.fultoncountyga.gov/services/view-construction-standard-details)
STRUCTURE ADJUSTMENT - FULTON COUNTY STANDARD DETAIL 105
STUB OUT DETAIL - FULTON COUNTY STANDARD DETAIL 124
WATER VALVE MARKER - FULTON COUNTY STANDARD DETAIL 821

FULTON COUNTY PUBLIC WORKS STANDARD DETAILS



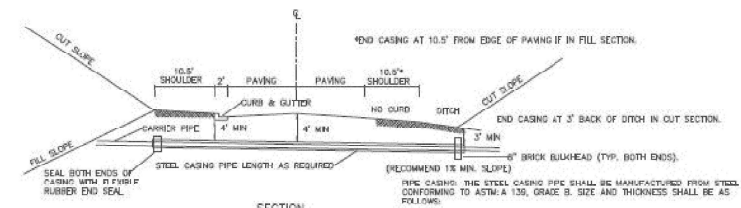
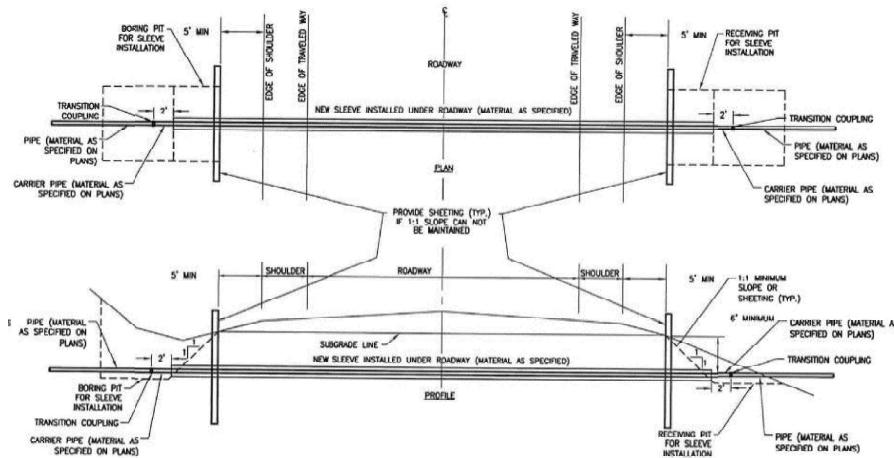
DATE	REVISIONS	DATE	REVISIONS
8/20/08	1-1		

DESIGN/CHKD/ISS	APPROVED/ISS	DATE	12-2-08
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FULTON COUNTY PUBLIC WORKS 141 BRUNN ST. ATLANTA, GA 30303 404-812-7400 FAX: 404-224-6406	DRAWING NO. 119
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FULTON COUNTY PUBLIC WORKS STANDARD DETAILS



- BORING NOTES:**
- CASING TO BE SIZED PIPE (ROUND) WITH 45° BEVELLED EDGES
 - ALL CUTS TO BE SQUARED TO END
 - JOIN ALL PIPE WITH DOUBLE BEAD BUTT WELDS
 - AUGER HEAD DIAMETER CANNOT EXCEED DIAMETER OF CASING BY MORE THAN 2"
 - BORING AND CASING SHALL BE INSTALLED SIMULTANEOUSLY
 - ANYTHING 6" OR LARGER REQUIRES ROPE AND FLAG
 - CASING PIPE SHALL HAVE A PROTECTIVE COATING CONSISTING OF A COAL-TAR PRIMER COAT AND AN APPLICATION OF HOT OIL TAR ENAMEL $\frac{3}{4}$ " (3.4") THICK PLUS A BONDED 15 LB. ASBESTOS WRAP
 - PIT TO BE NO CLOSER THAN 4' BEHIND SURF OR EDGE OF PAVEMENT
 - TYPICAL PIT IS 32" LONG BY 10" WIDE
 - CASING SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A 139, GRADE D
 - TWO STAINLESS STEEL CASING SPACERS ARE REQUIRED PER JOINT
 - CARRIER PIPE SHALL BE DUCTILE IRON
 - FIELD LOCKING GASKETS REQUIRED INSIDE OF CASING
 - ALL BORING MUST BE APPROVED AND A PERMIT OBTAINED FROM PUBLIC WORKS (404) 612-7400

SECTION
N.T.S.

UNDER RAILROADS		
PIPE DIAMETER INCHES (I.D.)	CASING DIAMETER INCHES (O.D.) MIN.	WALL THICKNESS INCHES
8	14	0.250
8	18	0.375
10	20	0.375
12	22	0.375
14	24	0.375
16	30	0.406
18	30	0.409
20	32	0.469
24	36	0.469
30	42	0.500

UNDER HIGHWAYS		
PIPE DIAMETER INCHES (I.D.)	CASING DIAMETER INCHES (O.D.) MIN.	WALL THICKNESS INCHES
6	12	0.250
8	18	0.250
10	18	0.250
12	20	0.375
16	24	0.375
18	30	0.375
20	30	0.375
24	36	0.375
30	42	0.375

* SEE DWG. NO. 128 FOR CASING SPECIFICATIONS

FULTON COUNTY STANDARD DETAIL 107
ROADWAY CROSSING
BORE AND CASE DETAIL

DATE	REVISIONS	DATE	REVISIONS

DESIGNED BY: _____
APPROVED BY: _____
DATE: 11-2-08



FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA 30303
404-612-7400 FAX: 404-224-0468

DRAWING NO.
187

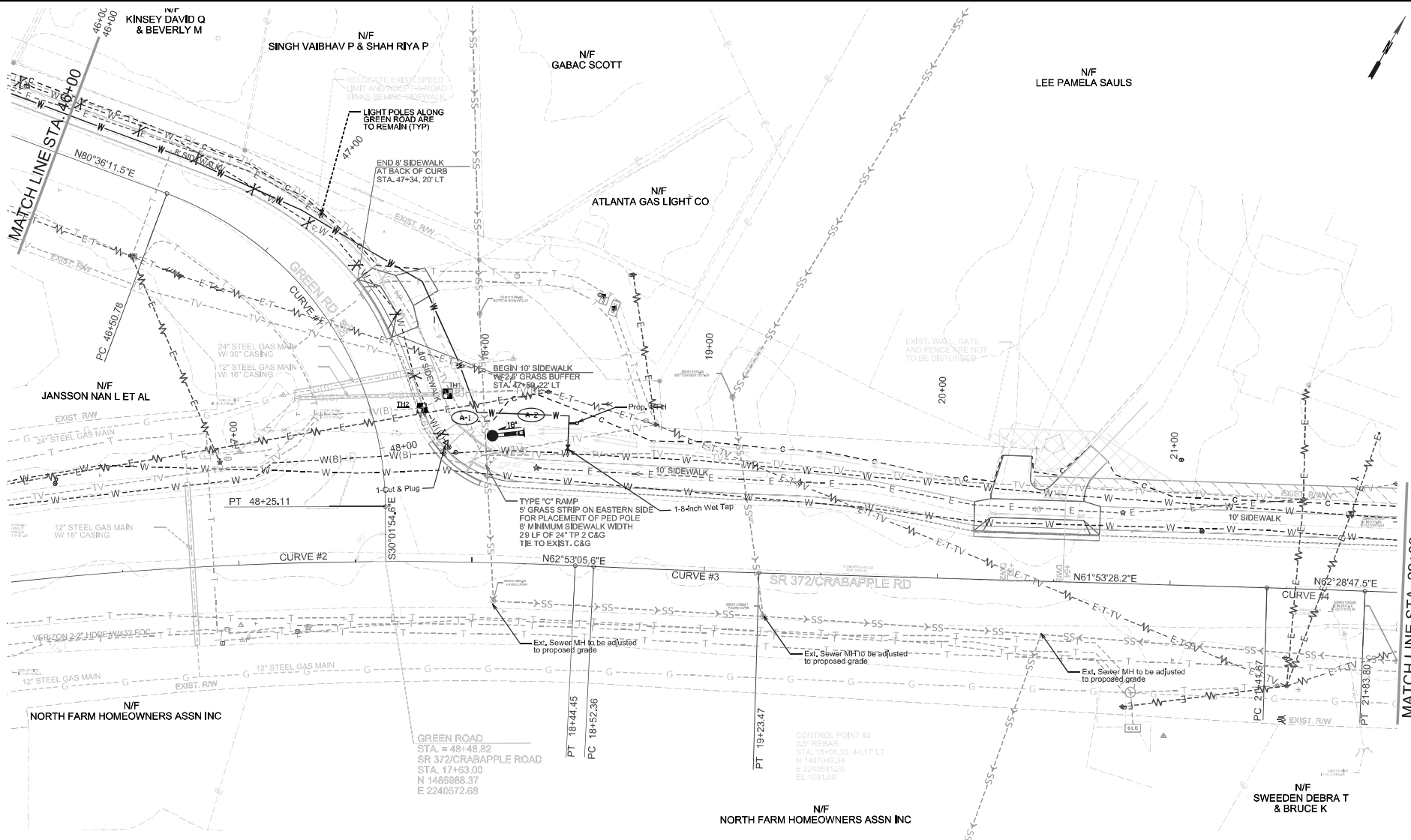


DRAWING NO.
44-0000

DATES:
SUSERS:

T: NMS
S: SPRFBS
P: \$PENTABLESS

SDGNS



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	-C-F-
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▨
EASEMENT FOR CONSTR OF DRIVES	▨



REVISION DATES

UTILITY PLANS

CHECKED:	DATE:
BOOKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.
44-0002

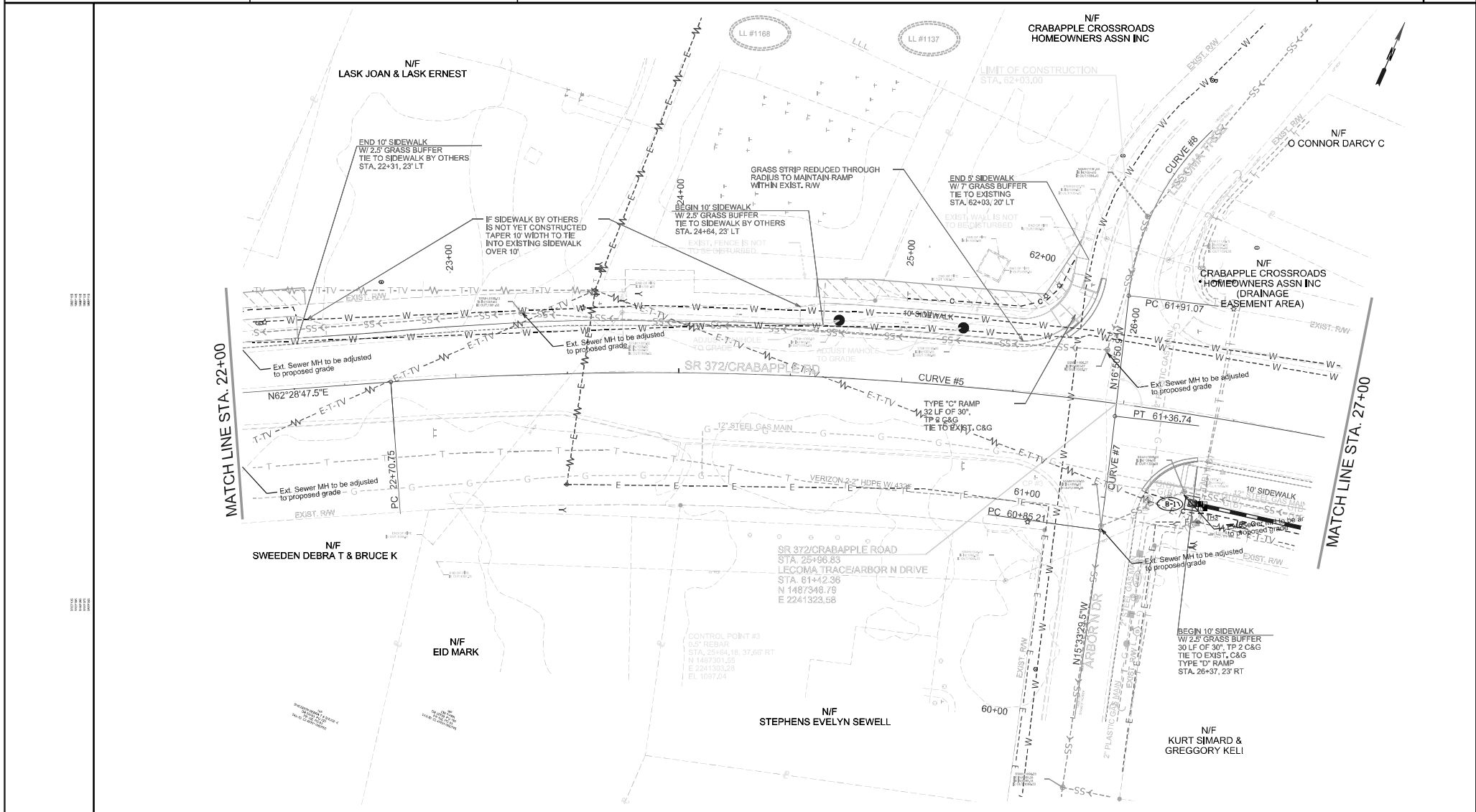
SPRINT

DATE: 08/11/2011
TIME: 10:00 AM
USER: JG


DATE: 08/11/2011
TIME: 10:00 AM
USER: JG

MATCH LINE STA 22+00

MATCH LINE STA 46+00



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	-C- F-
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	XXXXXX
EASEMENT FOR CONSTR OF SLOPES	XXXXXX
EASEMENT FOR CONSTR OF DRIVES	XXXXXX


FULTON COUNTY

SCALE IN FEET

0 20 40 80

REVISION DATES	

UTILITY PLANS	
CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.	44-0003
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