



Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308
(404) 631-1000 Main Office

February 4, 2026

Mr. Robb Pitts
Chairman
Fulton County Board of Commissioners
141 Pryor Street, SW
10th Floor
Atlanta, GA 30303

Subject: **Project No. STP00-0189-01(010), Fulton County
P.I. No. 721000-
Contract Item Agreement Undated – Water and Sewer Facilities**

Dear Mr. Pitts:

In accordance with your request, the adjustment of Water and Sewer facilities belonging to **Fulton County** is being included in the Department's contract for the roadway work on the above numbered project.

We are transmitting three counterparts of an undated Contract Item Agreement which sets forth the conditions under which the State agrees to have its Contractor perform the work and by which **Fulton County** will reimburse the Department for this work. As outlined in Article 8, the non-binding Pre-let estimate not including betterment for this work is **\$2,426,610.00** of which the **Department** will bear **0% or \$0.00** and **Fulton County will bear 100% or \$2,426,610.00**. Also, attached is a cost estimate supporting the Agreement.

If the Agreement meets with your approval, please handle for execution on behalf of **Fulton County** and return all three (3) counterparts to the State of Georgia, Office of Utilities, One Georgia Center, 600 West Peachtree Street, 10th Floor, Atlanta, Georgia 30308, for execution on behalf of the Department. Also, complete the attached resolution form and insert the date of resolution on page 5 of the Agreement. The Official Seal of **Fulton County** is also required to be affixed to each counterpart in compliance with instructions from our Attorney General's Office.

Also, please provide Fulton County's Federal Employee Identification Number (FEIN) in the blank shown on page 4 of the Agreement.

Mr. Robb Pitts
Project No. STP00-0189-01(010), Fulton County
P.I. No. 721000-
Contract Item Agreement Undated – Water and Sewer Facilities
February 4, 2026; Page 2 of 2

In accordance with Articles 8, 9, and 10 of the Agreement, the Department shall notify Fulton County in writing of the amount due the Department based upon the aforementioned commitment letter at the time of execution. At that time a check for the amount required to perform the work will be requested as outlined in the Agreement. The Department will refund any overpayment or request in writing that Fulton County pay the Department the revised amount as determined by the aforesaid method.

If you have any questions or need further information, please contact Danah Bonny at 404-631-1709 or by email at dbonny@dot.ga.gov. Please send correspondence by mail addressed to State of Georgia, Office of Utilities, One Georgia Center, 600 West Peachtree Street, 10th Floor, Atlanta, Georgia 30308 for execution on behalf of the Department.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Shajan Joseph', with a stylized flourish at the end.

Shajan Joseph, P.E.
Assistant State Utilities Administrator

For: Nicholas Fields
State Utilities Administrator

NF: SPJ: MGC: DB

Attachments (Agreement and Estimate)
cc: Paul DeNard, P.E., District 7 Engineer
Justin Willingham, E.I.T., District 7 Utilities Manager
Achor Njoku, Project Manager
Frantz Boileau, Utilities Preconstruction Specialist

Account No. – Class: 733005-309

Department ID: 4848010000

Program No.: 4181401

CONTRACT ITEM AGREEMENT

Georgia Project No.: STP00-0189-01(010), Fulton County
G.D.O.T. P.I. No.: 721000-

THIS AGREEMENT, made this _____, by and between the Department of Transportation, an agency of the State of Georgia, hereinafter called the DEPARTMENT, first party, and the **Fulton County**, a political subdivision of the State of Georgia, hereinafter called the LOCAL AGENCY, second party;

WITNESS that:

WHEREAS, the DEPARTMENT proposes under the above numbered project to **widen State Route 120 from Jones Creek Commons to south of Boles Road in Fulton County, Georgia**, Georgia; and

WHEREAS, due to the construction of this project, it will become necessary to make certain adjustments or additional installation of utility facilities of the LOCAL AGENCY, the cost of which shall be determined in accordance with Articles 8, 9, & 10 below; and

WHEREAS, the LOCAL AGENCY has requested that the DEPARTMENT include the adjustment or installation of water and sewer facilities in its highway construction contract as shown on the attached plans; and

WHEREAS, this Agreement being for the sole purpose of providing a contractor for work performed on the LOCAL AGENCY'S water and sewer facilities, the LOCAL AGENCY shall bear the cost of said work to be determined as hereinafter set forth;

WHEREAS, the preliminary engineering, including preparation of detailed plans and contract estimate for adjustment of the utilities described above have been accomplished by the LOCAL AGENCY;

WHEREAS, the DEPARTMENT has relied on the LOCAL AGENCY'S design in the plans for the utility work, which has been approved by the LOCAL AGENCY and accepted by the DEPARTMENT prior to commencing work;

NOW THEREFORE, in consideration of the premises and the mutual covenants of the parties hereinafter set forth, it is agreed:

1. All construction engineering and contract supervision shall be the responsibility of the DEPARTMENT and the DEPARTMENT shall be responsible to assure that all utility work is accomplished in accordance with plans and specifications and to consult with the LOCAL AGENCY or LOCAL AGENCY'S Consultant before authorizing any changes or deviations which affect the LOCAL AGENCY'S facility.

CONTRACT ITEM AGREEMENT

2. The LOCAL AGENCY or the LOCAL AGENCY'S Consultant shall have the right to visit and inspect the work at any time and advise the DEPARTMENT'S Engineer of any observed discrepancies or potential problems. The DEPARTMENT agrees to notify the LOCAL AGENCY when all utility work is completed and ready for final inspection by the LOCAL AGENCY.

3. It is specifically understood that the project number shown above is for the DEPARTMENT'S identification purposes only and may be subject to change by the DEPARTMENT. In the event it becomes necessary for the DEPARTMENT to assign a different project number, the DEPARTMENT shall notify the LOCAL AGENCY of the new project designation. Such change in project designation shall have no effect whatsoever on any of the other terms of this Agreement.

4. The DEPARTMENT shall include in its contract for this project all work necessary to accomplish the adjustment of the LOCAL AGENCY'S facilities as shown on the highway plans along with the necessary specifications to assure that the work conforms to sound construction practices.

5. In the event it becomes necessary to add pay items that are not provided for in the contract, the DEPARTMENT shall negotiate prices with the contractor and enter into a supplemental agreement with the contractor for completion of the additional items. Upon notification, the LOCAL AGENCY shall furnish a check for the additional cost as determined in Article 8 below.

6. The DEPARTMENT shall furnish on the project the construction engineering inspection and testing by its own forces required to assure that the work is done in accordance with the plans, specifications and Special Provisions.

7. Upon completion of the work and upon certification by the DEPARTMENT'S engineers that the work has been completed in accordance with the aforesaid plans and specifications, the LOCAL AGENCY shall accept the adjusted and additional facilities and shall thereafter operate and maintain the adjusted and additional facilities without further cost to the DEPARTMENT or its contractor. Such maintenance and all operations and activities shall be subject to the DEPARTMENT'S rules, policies and procedures as contained in its Utility Accommodation Policy and Standards, current edition. The DEPARTMENT, its employees, officers, consultant, and officials shall have no liability stemming from the DEPARTMENT's reliance upon the LOCAL AGENCY'S design plans for the utility relocation.

8. The DEPARTMENT shall include in its highway contract those items shown as "materials" for permanent installation on the aforesaid plans. The price bid for the appropriate items shall include all labor, materials and incidentals necessary to complete the work. The cost of the requested work shall be determined from unit quantities and unit prices as shown in the DEPARTMENT'S tabulation of bids. The approximate non-binding pre-let estimate, not including betterment, is **\$2,426,610.00** based on the LOCAL AGENCY'S estimate attached hereto of which the Department shall bear **\$0.00 or 0%** and the LOCAL AGENCY shall bear **\$2,426,610.00 or 100%**.

CONTRACT ITEM AGREEMENT

9. It is mutually agreed that as soon as practicable after the opening of bids and acceptance of a bid by the DEPARTMENT, the DEPARTMENT shall notify the LOCAL AGENCY in writing of the amount due the DEPARTMENT. The LOCAL AGENCY shall pay to the DEPARTMENT the amount due within sixty (60) days.

10. It is further mutually agreed that the final cost of the work performed on behalf of the LOCAL AGENCY shall be determined by measurement of the actual quantities of installed materials, including added items under Article 5, multiplied by the actual bid prices. Accordingly, after the project has been completed, the DEPARTMENT shall determine the final cost to be borne by the LOCAL AGENCY and, as the case may be, shall refund to the LOCAL AGENCY or shall request of the LOCAL AGENCY an additional payment in the amount of the difference between the final cost to be borne by the LOCAL AGENCY and the amount which the LOCAL AGENCY has previously paid to the DEPARTMENT. In the event additional payment is due to the DEPARTMENT, the LOCAL AGENCY agrees to pay same within sixty (60) days after the statement is received from the DEPARTMENT. In the event a refund is due the LOCAL AGENCY, the DEPARTMENT agrees to pay the LOCAL AGENCY within sixty (60) after the refund amount is determined or final acceptance is made by the DEPARTMENT.

11. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

12. Pursuant to O.C.G.A. Sec. 50-5-85, LOCAL AGENCY hereby certifies that it is not currently engaged in, and agrees that for the duration of this contract, it will not engage in a boycott of Israel.

13. It is mutually agreed between the parties hereto that this document shall be deemed to have been executed in the Fulton County, Georgia, and that all questions of interpretation and construction shall be governed by the laws of the State of Georgia.

14. This Agreement may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, and such counterparts shall together constitute but one and the same Agreement. The parties shall be entitled to sign and transmit an electronic signature of this Agreement (whether by facsimile, PDF or other email transmission), which signature shall be binding on the party whose name is contained therein. Any party providing an electronic signature agrees to promptly execute and deliver to the other parties an original signed Agreement upon request.

CONTRACT ITEM AGREEMENT

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed in three counterparts, each to be considered as original by their authorized representative the day and date hereinabove written.

FULTON COUNTY

BY: _____
CHAIRMAN

APPROVED AS TO FORM:

BY: _____
COUNTY ATTORNEY

Signed on behalf Fulton County pursuant to resolution dated _____.

FEIN _____

BY: _____
SECRETARY/ASST. SECRETARY
(OFFICIAL SEAL)

ACCEPTED: _____

DEPARTMENT OF TRANSPORTATION

BY: _____
COMMISSIONER

PROJECT NO.: STP00-0189-01(010)
COUNTY: FULTON
G.D.O.T. P.I. NO.: 721000-
DATE: February 4, 2026 DB

Signed, sealed and delivered this _____
day of _____, 20_____,

(OFFICIAL SEAL OF THE DEPARTMENT)

I attest that the seal imprinted herein is the Official Seal of the DEPARTMENT.

BY: _____
TREASURER
OFFICIAL CUSTODIAN OF THE SEAL

CONTRACT ITEM AGREEMENT

RESOLUTION

STATE OF GEORGIA

FULTON COUNTY

BE IT RESOLVED by the CHAIRMAN AND BOARD of COMMISSIONERS of FULTON COUNTY, and it is hereby resolved, that the foregoing attached Agreement, relative to project STP00-0189-01(010), FULTON COUNTY, P.I. No. 721000- to widen State Route 120 from Jones Creek Commons to south of Boles Road in Fulton County and that Mr. Robb Pitts as Chairman and _____, as Commission Clerk, be and they are, thereby authorized and directed to execute the same for and in behalf of said by the CHAIRMAN AND BOARD of COMMISSIONERS of FULTON COUNTY.

Passed and adopted, this the _____ day of _____, 20__.

ATTEST:

COMMISSION CLERK

BY: _____
CHAIRMAN

APPROVED AS TO FORM:

BY: _____
COUNTY ATTORNEY

STATE OF GEORGIA,

FULTON COUNTY

I _____, as Commission Clerk, do hereby certify that I am custodian of the books and records of the same, and that the above and foregoing copy of the original is now on file in my office, and was passed by the CHAIRMAN AND BOARD of COMMISSIONERS of FULTON COUNTY WITNESS my hand and official signature, this the _____ day of _____,

20_____.

BY: _____
COMMISSION CLERK



GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT

Contractor's Name:	FULTON COUNTY
Solicitation/Contract No./ Call No. or Project Description:	PROJECT NO. STP00-0189-01(010), P.I. NO. 721000-, TO WIDEN STATE ROUTE 120 FROM JONES CREEK COMMONS TO SOUTH OF BOLES ROAD IN FULTON COUNTY, GEORGIA.

CONTRACTOR AFFIDAVIT

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, entity or corporation which is engaged in the physical performance of services on behalf of the Georgia Department of Transportation has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91.

Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b). Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

 Federal Work Authorization User Identification Number
 (EEV/E-Verify Company Identification Number)

 Date of Authorization

 Name of Contractor

I hereby declare under penalty of perjury that the foregoing is true and correct

 Printed Name (of Authorized Officer or Agent of Contractor)

 Title (of Authorized Officer or Agent of Contractor)

 Signature (of Authorized Officer or Agent)

 Date Signed

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE

____ DAY OF _____, 20____

[NOTARY SEAL]

 Notary Public

My Commission Expires: _____

**CERTIFICATION OF COMPLIANCE WITH
ANNUAL IMMIGRATION REPORTING REQUIREMENTS/
NO SANCTUARY POLICY/FEDERAL LAW ENFORCEMENT COOPERATION**

By executing this document, the undersigned duly authorized representative of the Local Governing Body, certifies that the Local Governing Authority:

- 1) has filed a compliant Annual Immigration Compliance Report with the Georgia Department of Audits & Accounts (“GDA&A”) for the preceding calendar year required by O.C.G.A. § 50-36-4(b), or has been issued a written exemption from GDA&A from doing so;
- 2) has not enacted a “Sanctuary Policy” in violation of O.C.G.A. § 36-80-23(b); and,
- 3) is in compliance with O.C.G.A. §§ 35-1-17 *et seq.* regarding its obligation to cooperate with federal immigration enforcement authorities to deter the presence of criminal illegal aliens.

As an ongoing condition to receiving funding from the Georgia Department of Transportation, the Local Governing Body shall continue to remain fully compliant with O.C.G.A. §§ 50-36-4, 36-80-23 and 35-1-17 *et seq.* for the duration of time the subject agreement is in effect.

Signature of Authorized Officer or Agent

APPROVED AS TO FORM:

BY: _____
COUNTY ATTORNEY

Printed Name of Authorized Officer or Agent

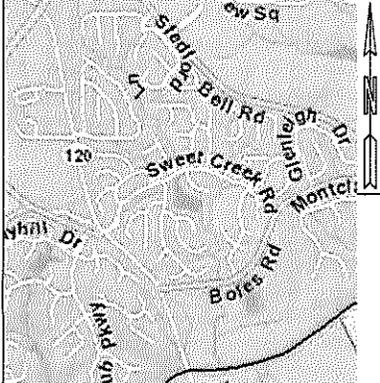
Title of Authorized Officer or Agent

Date

Fulton County Water Resources - Water and Sewer Facilities

Fulton County Public Works, Water Resources PI- 0721000-Abbots BR RD-Primrose Ply to Boles Rd-CIA Estimate		Additional Description	Unit	Orig Est Unit Price	In-Kind Items		Betterment Items		In-Kind / Betterment Total Qty	Actual Bid Costs						
					Orig Plan Total Qty	Orig Est Cost	Orig Plan Total Qty	Orig Est Cost		Actual Bid Total Qty	Actual Bid Unit Price	Actual Total Bid Cost	Actual In-Kind Bid Cost	Actual Betterment Bid Cost	Actual Betterment Bid Cost	
611-8120	ADJUST WATER METER BOX TO GRADE(611-8120)		EA	\$ 700.00	15	\$ 10,500.00		\$ -	15		\$ -	\$ -	\$ -	\$ -	FALSE	\$ -
611-8140	ADJUST WATER VALVE BOX TO GRADE(611-8140)		EA	\$ 1,000.00	15	\$ 15,000.00		\$ -	15		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
600-0001	FLOWABLE FILL(600-0001)		CY	\$ 175.00	150	\$ 26,250.00		\$ -	150		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-1060	WATER MAIN, 6 IN	DIP, CLASS 51	LF	\$ 80.00	220	\$ 17,600.00		\$ -	220		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-1080	WATER MAIN, 8 IN	DIP, CLASS 51	LF	\$ 110.00	242	\$ 26,620.00		\$ -	242		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-1100	WATER MAIN, 10 IN	DIP, CLASS 51	LF	\$ 140.00	7225	\$ 1,011,500.00		\$ -	7225		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-1120	WATER MAIN, 12 IN	DIP, CLASS 51	LF	\$ 170.00	250	\$ 42,500.00		\$ -	250		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-1160	WATER MAIN, 16 IN	DIP, CLASS 51	LF	\$ 232.00	20	\$ 4,640.00		\$ -	20		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-1600	CUT & PLUG EXISTING WATER MAIN		EA	\$ 3,000.00	16	\$ 48,000.00		\$ -	16		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-7220	INSERTION VALVE, 8 IN		EA	\$ 14,000.00	2	\$ 28,000.00		\$ -	2		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-7225	INSERTION VALVE, 10 IN		EA	\$ 16,000.00	2	\$ 32,000.00		\$ -	2		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2003	AIR RELEASE VALVE ASSEMBLY		EA	\$ 7,500.00	3	\$ 22,500.00		\$ -	3		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2060	GATE VALVE, 6 IN		EA	\$ 3,000.00	1	\$ 3,000.00		\$ -	1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2080	GATE VALVE, 8 IN		EA	\$ 5,000.00	2	\$ 10,000.00		\$ -	2		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2100	GATE VALVE, 10 IN(670-2100)		EA	\$ 6,000.00	14	\$ 84,000.00		\$ -	14		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2120	GATE VALVE, 12 IN		EA	\$ 8,000.00	1	\$ 8,000.00		\$ -	1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2160	GATE VALVE, 16 IN		EA	\$ 14,000.00	1	\$ 14,000.00		\$ -	1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2002	VALVE MARKER		EA	\$ 180.00	35	\$ 6,300.00		\$ -	35		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-9260	STEEL CASING, 18 IN		LF	\$ 200.00	20	\$ 4,000.00		\$ -	20		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
615-2540	JACK OR BORE PIPE, 18 IN	STEEL CASING	LF	\$ 300.00	804	\$ 241,200.00		\$ -	804		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-2700	ABANDONMENT OF WATER VALVES		EA	\$ 1,000.00	25	\$ 25,000.00		\$ -	25		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
615-1000	JACK OR BORE PIPE -(615-1000)	12 IN, STEEL	LF	\$ 200.00	212	\$ 42,400.00		\$ -	212		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-3066	TAPPING SLEEVE & VALVE ASSEMBLY, 6 IN X 6 IN		EA	\$ 6,000.00	1	\$ 6,000.00		\$ -	1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-3087	TAPPING SLEEVE & VALVE ASSEMBLY, 8 IN X 8 IN		EA	\$ 8,500.00	12	\$ 102,000.00		\$ -	12		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-3108	TAPPING SLEEVE & VALVE ASSEMBLY, 10 IN X 10 IN		EA	\$ 9,000.00	4	\$ 36,000.00		\$ -	4		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-3129	TAPPING SLEEVE & VALVE ASSEMBLY, 12 IN X 12 IN		EA	\$ 14,000.00	1	\$ 14,000.00		\$ -	1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-3169	TAPPING SLEEVE & VALVE ASSEMBLY, 16 IN X 12 IN		EA	\$ 15,000.00	1	\$ 15,000.00		\$ -	1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-3171	TAPPING SLEEVE & VALVE ASSEMBLY, 16 IN X 16 IN		EA	\$ 18,000.00	2	\$ 36,000.00		\$ -	2		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-4000	FIRE HYDRANT		EA	\$ 8,500.00	22	\$ 187,000.00		\$ -	22		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-5010	WATER SERVICE LINE, 1 IN	K COPPER	LF	\$ 70.00	200	\$ 14,000.00		\$ -	200		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-5020	WATER SERVICE LINE, 2 IN	K COPPER	LF	\$ 80.00	200	\$ 16,000.00		\$ -	200		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-5030	WATER SERVICE LINE, 3 IN	K COPPER	LF	\$ 50.00	150	\$ 7,500.00		\$ -	150		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-5620	WATER SERVICE LINE, 3/4 IN	K COPPER	LF	\$ 50.00	250	\$ 12,500.00		\$ -	250		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-5015	WATER SERVICE LINE, 1 1/2 IN	K COPPER	LF	\$ 70.00	100	\$ 7,000.00		\$ -	100		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-9720	RELOCATE EXIST WATER VALVE, INCL BOX		EA	\$ 5,000.00	5	\$ 25,000.00		\$ -	5		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-9730	RELOCATE EXIST WATER METER, INCL BOX		EA	\$ 2,000.00	5	\$ 10,000.00		\$ -	5		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-0817	WATER METER, INCL BYPASS & VAULT, 4 IN AND LARGER		EA	\$ 25,000.00	6	\$ 150,000.00		\$ -	6		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-9800	ADJUST EXISTING WATER METER, INCLUDING VAULT		EA	\$ 12,000.00	1	\$ 12,000.00		\$ -	1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-9905	REMOVE EXIST AIR RELEASE VALVE ASSEMBLY		EA	\$ 200.00	3	\$ 600.00		\$ -	3		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-9920	REMOVE EXISTING FIRE HYDRANT		EA	\$ 1,000.00	14	\$ 14,000.00		\$ -	14		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
611-8050	ADJUST MANHOLE TO GRADE(611-8050)		EA	\$ 1,800.00	5	\$ 9,000.00		\$ -	5		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
670-9895	REMOVE EXIST WATER METER & VAULT, 4 IN OR LARGER		EA	\$ 5,000.00	6	\$ 30,000.00		\$ -	6		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	* Task Allowance	Unit	\$ -		\$ -		\$ -		0		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total				\$ 2,426,610.00		\$ -		0							
GDOT SHARE						TOTAL EST In-Kind	TOTAL EST Betterment			TOTAL Actual Bid Cost	TOTAL Actual In-Kind Bid Cost	TOTAL Betterment Bid Cost	TOTAL Betterment Bid Cost			
0.00%						\$ 2,426,610.00	\$ -			\$ -	\$ -	\$ -	\$ -			
FACILITY OWNER SHARE						TOTAL ESTIMATE IN-KIND (NON-REIMBURSIBLE) FACILITY OWNER SHARE	TOTAL ESTIMATE IN-KIND & BETTERMENT			TOTAL BID COST IN-KIND (NON-REIMBURSIBLE) FACILITY OWNER SHARE	TOTAL BID COST IN-KIND & BETTERMENT					
100.00%						\$ 2,426,610.00	\$ 2,426,610.00			\$ -	\$ -					
						TOTAL ESTIMATE IN-KIND (REIMBURSIBLE) GDOT SHARE	TOTAL ESTIMATE IN-KIND (NON-REIMBURSABLE) FACILITY OWNER SHARE & BETTERMENT			TOTAL BID COST IN-KIND (REIMBURSIBLE) GDOT SHARE	TOTAL BID COST IN-KIND (NON-REIMBURSABLE) FACILITY OWNER SHARE & BETTERMENT					
						\$ -	\$ 2,426,610.00			\$ -	\$ -					

Notes: *Task Allowance: (As designated by Fulton County Project Manager) **Items highlighted were not submitted in CES



LOCATION SKETCH

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Fulton County Proposed Waterline Plans

ABBOTS BRIDGE ROAD PI0721000 INC WIDENING & AUXILIARY LANES

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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Fulton County Proposed Waterline Notes

ABBOTTS BRIDGE ROAD PI0721000 INC WIDENING & AUXILIARY LANES

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 S1, 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.
11. 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.
12. DURING CONSTRUCTION, ANY UTILITY CONFLICT(S) THAT MAY CHANGE THE ORIGINAL DESIGN PLANS WILL NEED TO BE PREAPPROVED BY FULTON COUNTY WATER PROJECT MANAGER.
13. 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 (GAUPC.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 SHALL BE INCLUDED IN THE PRICE BID FOR WATER MAIN.
8. THE CONTRACTOR SHALL INSTALL 300 PSI CURR 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") PLACE 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 #4 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, ITS CURRENT SITE LOCATION SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND ANY INSTALLATION OF PROPOSED WATERLINE, INCLUDING ITS 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

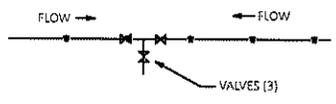
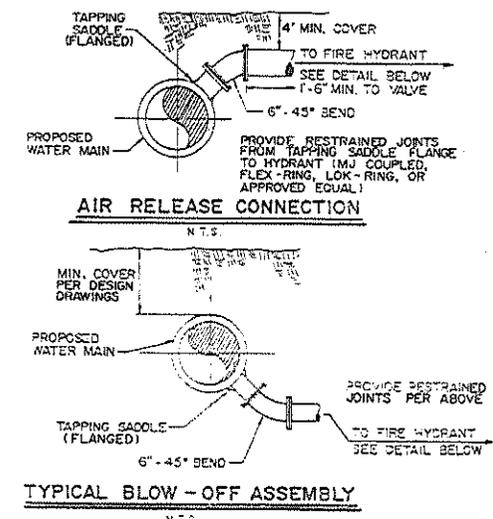
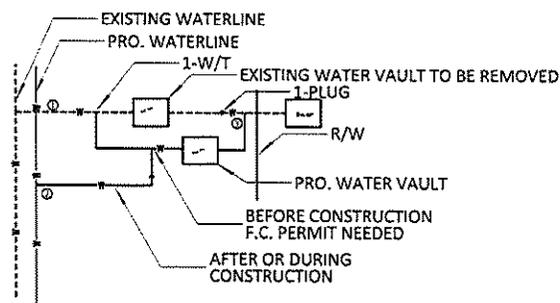
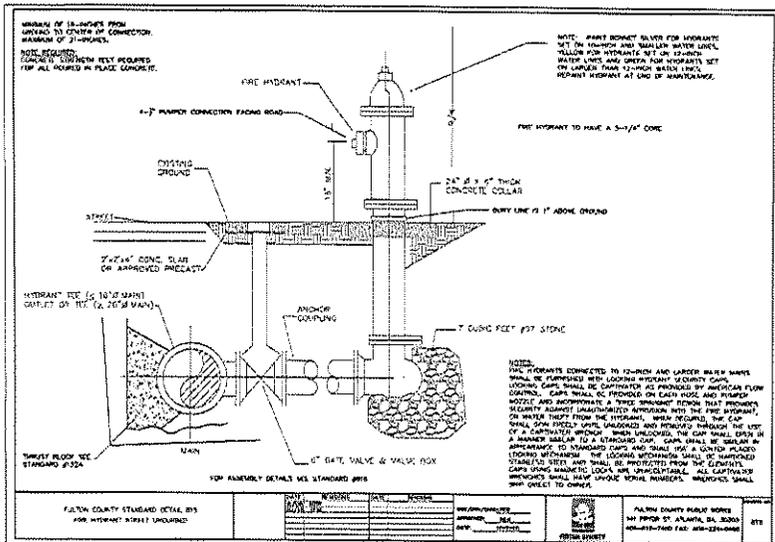
SEWER
 24 Hour Contact Phone Number
 (404)713-3217



REVISION DATES	

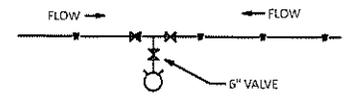
DRAWING No
44-000A

FULTON COUNTY PUBLIC WORKS STANDARD DETAILS



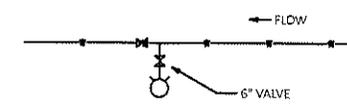
WATERLINE INSTALL W/ 2 WAY FEED (NTS)

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



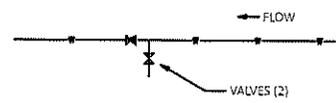
FH INSTALL W/ 2 WAY FEED (NTS)

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.FULTONCOUNTYG.A.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

NOTE: 1" DIA VENT (POT STONE)

1. VAULT CONCRETE IS IN DIFFERENT BAY APPROVED BY FULTON COUNTY.
2. METER SHALL BE LOCATED IN DIFFERENT BAY OR A PERMANENT EXHAUST SHALL BE OBTAINED TO PREVENT FLOODS OF OTHER OPERATIONS FROM BEING EFFECTED THROUGH THE METER BAY.
3. GASKET OPERATED BY STEPS TO BE PROVIDED FOR THE METER BAY.
4. THE METER SHALL BE INSTALLED WITH AT LEAST 8 DIAMETERS OF STRAP PIPE ABOVE THE METER ON THE LEFT SIDE TO PERMIT QUANTITY MAINTENANCE AND CALIBRATION. A FITTING MAY BE PROVIDED IN PLACE OF THE STRAP PIPE IN ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S RECOMMENDATIONS. AN INLET AND GATE VALVE SHALL BE INSTALLED IN THE STRAP PIPE WITH THE METER.
5. THESE VALVES ARE NOT TO BE INSTALLED IN THE STRAP PIPE WITHOUT PERMIT FROM FULTON COUNTY.
6. ALL VALVES AND FITTINGS SHALL BE INSTALLED IN THE STRAP PIPE.
7. ALL FITTINGS OUTSIDE THE VAULT SHALL BE PUSH-IN JOINT WITH AMERICAN FAST-Grip COUPLERS OR EQUIVALENT.
8. ALL METERS SHALL BE EQUIPPED WITH A TELEPHONE OR TOUCH-TONE SERVICE COMPATIBLE WITH FULTON COUNTY'S LATEST READING EQUIPMENT.
9. THIS DETAIL IS SUBJECT TO CHANGE FOR INSTALLATION OF 3" AND LARGER METER SIZES.
10. MATCH SHALL BE 6" R/O IN EACH DIRECTION. VENTING HATCH SHALL BE 18" DIA. IN EACH DIRECTION. VENTING HATCH SHALL BE 18" DIA. IN EACH DIRECTION. VENTING HATCH SHALL BE 18" DIA. IN EACH DIRECTION. VENTING HATCH SHALL BE 18" DIA. IN EACH DIRECTION.

METER SIZE	VAULT SIZE	HATCH SIZE
2"	2' 0" x 2' 0"	18" x 18"
3"	3' 0" x 3' 0"	18" x 18"
4"	4' 0" x 4' 0"	18" x 18"
6"	6' 0" x 6' 0"	18" x 18"

NOTE: PROVIDE DUCTILE IRON FLANGED ADAPTER BETWEEN METER ASSEMBLY AND GATE VALVE.

NOTE: 1. PROVIDE TWO SUPPORTS PER JOINT, TWO FEET FROM JOINT.

1. PROVIDE TWO SUPPORTS PER JOINT, TWO FEET FROM JOINT.
2. ENGINEER SHALL DESIGN SUPPORT DETAILS FOR WATER MAINS LARGER THAN 12" IN DIAMETER.
3. STEEL SHALL BE A-36.
4. WELDING SHALL BE E-70XX.
5. ALTERNATE DESIGN MAY BE SUBMITTED BY THE ENGINEER FOR APPROVAL BY FULTON COUNTY PUBLIC WORKS DEPARTMENT.
6. RESTRAINED JOINTS SHALL TO BE INSTALLED TO THE RIGHT OF APPROVED DETAIL. SHALL BE USED THE JOINTS OTHER SIDE OF THE SUPPORTS PIPE.

PIPE SIZE	A	B	C (FRAMES)
8"	6.50	2.00	2.50
12"	8.00	2.00	2.50
18"	10.00	2.00	2.70

NOTE: (C) OR (D) SHALL BE 1/2" AS REQUIRED BY SPAN AND WEIGHT.

NOTE: 1. PROVIDE SHALL BE NO. 1-A ORANGE PRIMER AND CONFORM TO GEORGIA D.O.T. ARTICLE 200.00. PRIMER SHALL BE APPLIED TO A MINIMUM THICKNESS OF 4 MILS.

1. PROVIDE SHALL BE NO. 1-A ORANGE PRIMER AND CONFORM TO GEORGIA D.O.T. ARTICLE 200.00. PRIMER SHALL BE APPLIED TO A MINIMUM THICKNESS OF 4 MILS.
2. PAINT SHALL BE NO. 200-GREEN, BURNING ROLLER, UNLESS TYPE AND CONFORM TO GEORGIA D.O.T. ARTICLE 200.00. PAINT SHALL BE APPLIED TO A MINIMUM THICKNESS OF 10 MILS.
3. TWO BOTTOM ASSEMBLIES USED TOGETHER MAY BE REQUIRED FOR SOME INSTALLATIONS.
4. PROVIDE TWO SUPPORTS PER JOINT, TWO FEET FROM JOINT.
5. OTHER SUPPORTS DETAILS FOR WATER MAIN LARGER THAN 18" SHALL BE A-36.
6. STEEL SHALL BE A-36.
7. WELDING SHALL BE E-70XX.

FULTON COUNTY STANDARD DETAIL 800
 LARGE METERS AND VAULT

DATE	REVISION	DATE	REVISION

DESIGNED BY: JES
 APPROVED: JES
 DATE: 10/15/10



FULTON COUNTY PUBLIC WORKS
 141 PRYOR ST. ATLANTA, GA. 30303
 404-730-7400 FAX: 404-221-0488

800

FULTON COUNTY STANDARD DETAIL 119
 TYPICAL PIPE HANGER AND SUPPORT DETAILS

DATE	REVISION	DATE	REVISION

DESIGNED BY: JES
 APPROVED: JES
 DATE: 10/15/10

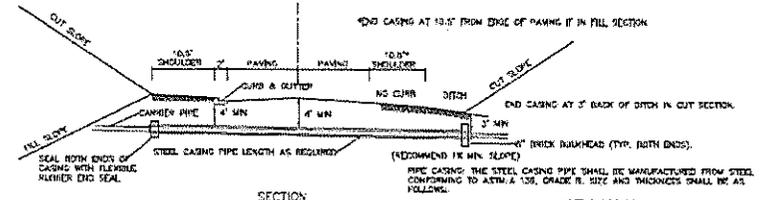
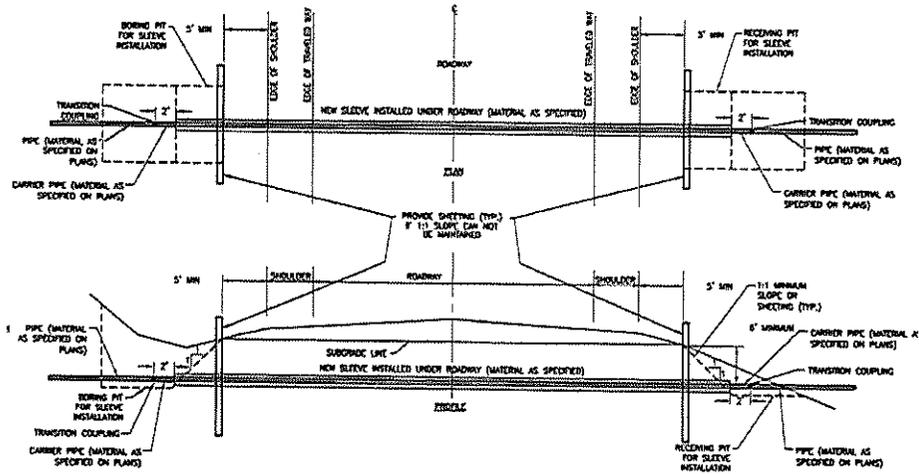


FULTON COUNTY PUBLIC WORKS
 141 PRYOR ST. ATLANTA, GA. 30303
 404-730-7400 FAX: 404-221-0488

119

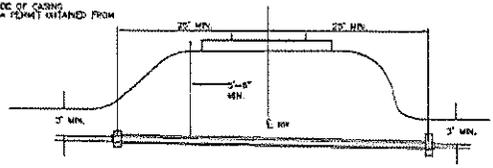


FULTON COUNTY PUBLIC WORKS STANDARD DETAILS



- BORING NOTES:**
- CASING TO BE STEEL PIPE (ROUND) WITH 45° BEVELLED EDGES
 - ALL ENDS TO BE SQUARE TO END
 - JOIN ALL PIPE WITH DOUBLE SEAM BUTT WELDS
 - ALGEBRA HEAD DIAMETER CANNOT EXCEED DIAMETER OF CASING BY MORE THAN 2"
 - BORING AND CASING SHALL BE INSTALLED SIMULTANEOUSLY
 - ANYTHING 6" OR LARGER REQUIRES BORE AND CASE
 - CASING PIPE SHALL HAVE A PROTECTIVE COATING CONSISTING OF A COAL-TAR PRIMER COAT AND AN APPLICATION OF HOT COAL-TAR ENAMEL AT 2.5% THICK PLUS A ROUNDED 1/2 LB. AGRESTOS WRAP
 - PIT TO BE NO CLOSER THAN 4' TO DITCH CURB OR EDGE OF PAVEMENT
 - TYPICAL PIT IS 22" LONG BY 10" WIDE
 - CASING SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A 133, GRADE B
 - TWO STAINLESS STEEL CASING SPACERS ARE REQUIRED PER JOINT
 - CARRIER PIPE SHALL BE DUCTILE IRON
 - FIELD COUPLING (ASAP) REQUIRED INSIDE OF CASING
 - ALL BORING MUST BE APPROVED AND A PERMIT OBTAINED FROM PUBLIC WORKS (404) 612-7400

USDFL RAILROADS		
PIPE DIAMETER INCHES (I.D.)	CASING DIAMETER INCHES (I.D.) MIN.	WALL THICKNESS INCHES
6	14	0.250
8	18	0.375
10	20	0.375
12	22	0.375
14	24	0.375
16	30	0.405
18	30	0.405
20	32	0.469
24	36	0.469
30	42	0.500



USDFL HIGHWAYS		
PIPE DIAMETER INCHES (I.D.)	CASING DIAMETER INCHES (I.D.) MIN.	WALL THICKNESS INCHES
6	12	0.250
8	16	0.250
10	18	0.250
12	20	0.375
14	24	0.375
16	30	0.375
18	30	0.375
20	32	0.375
24	36	0.375
30	42	0.375

* SEE DWG. NO. 123 FOR CASING SPECIFICATIONS

FULTON COUNTY STANDARD DETAIL 107
 ROADWAY CROSSING
 BORE AND CASE DETAIL

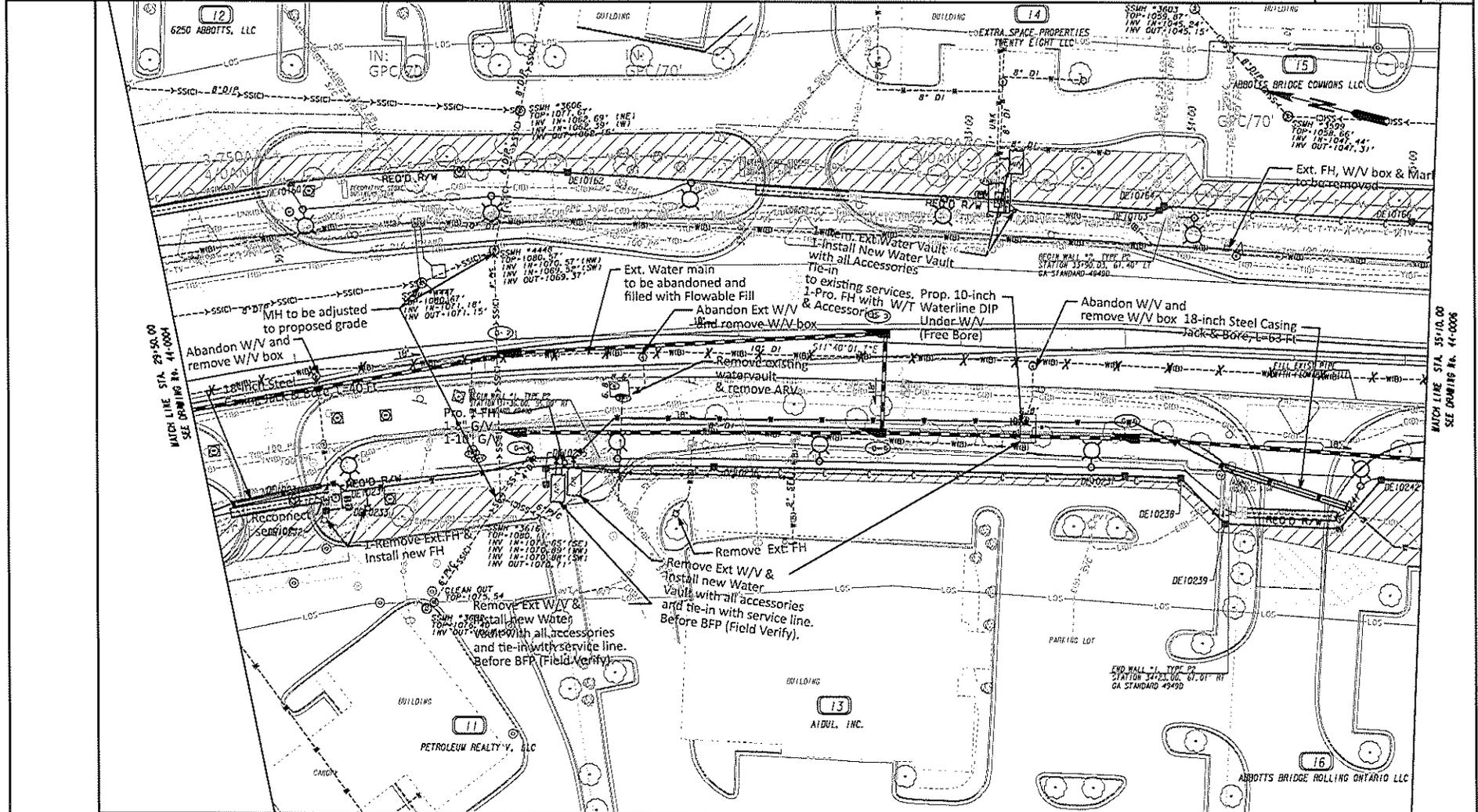
DATE	REVISIONS	DATE	REVISIONS

DESIGNED BY: JLS
 DRAWN BY: JLS
 CHECKED BY: JLS
 DATE: 10/1/10



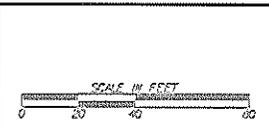
FULTON COUNTY PUBLIC WORKS
 101 PLYMOUTH ATLANTA, GA 30309
 404-612-7400 FAX: 404-612-6488





PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---
BEGIN LIMIT OF ACCESS	---
END LIMIT OF ACCESS	---
LIMIT OF ACCESS	---
REC'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---

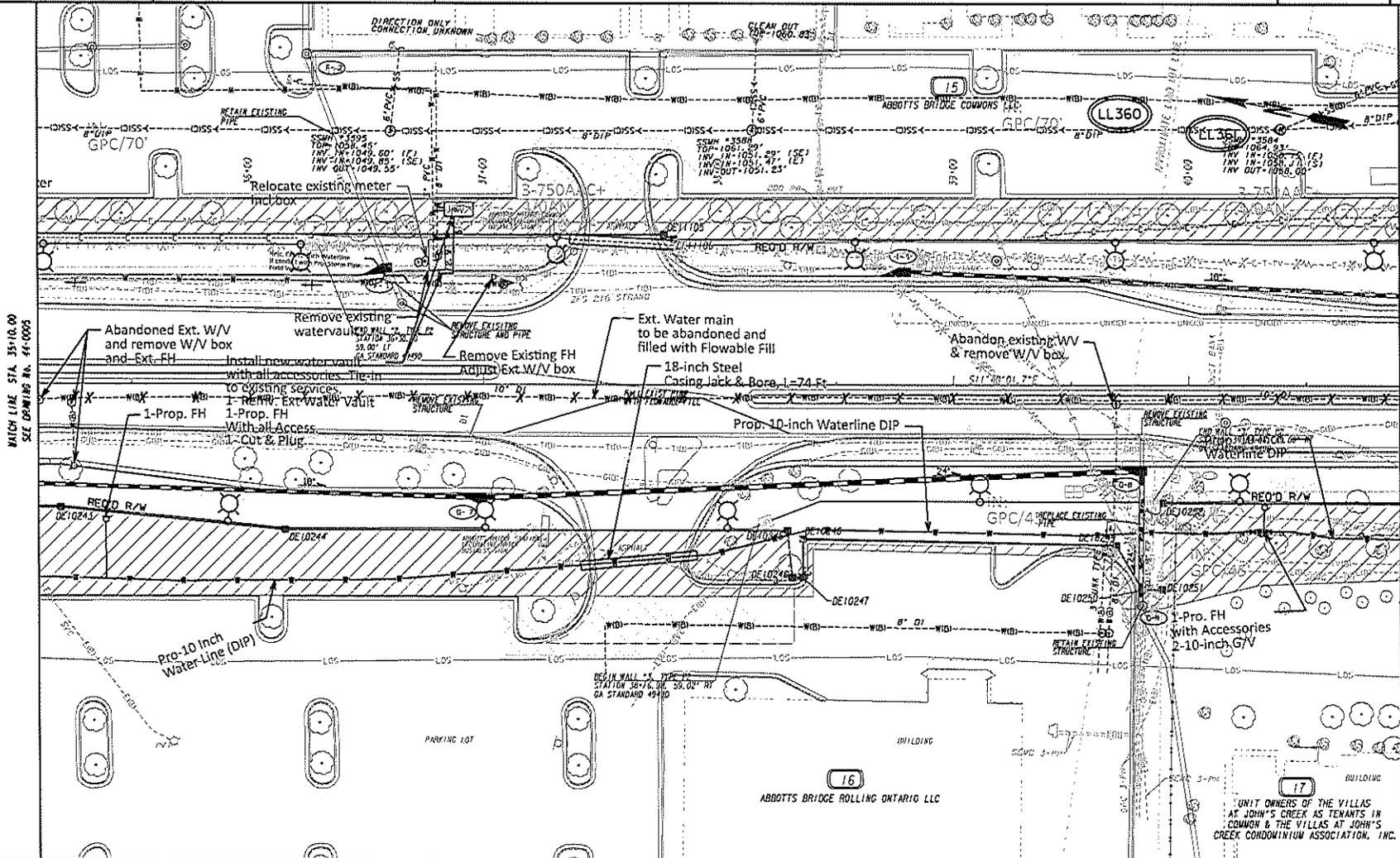
FULTON COUNTY
WATER AND SEWER



REV	DATE	DESCRIPTION

UTILITY RELOCATION PLANS		S. R. 120 WIDENING	
DESIGNED BY	DATE	CHECKED BY	DATE
COMPLETED BY	DATE	APPROVED BY	DATE
DRAWING NO.			44-0005

MATCH LINE STA. 35+10.00
SEE DRAWING No. 44-0006



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

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

FULTON COUNTY
 WATER AND SEWER

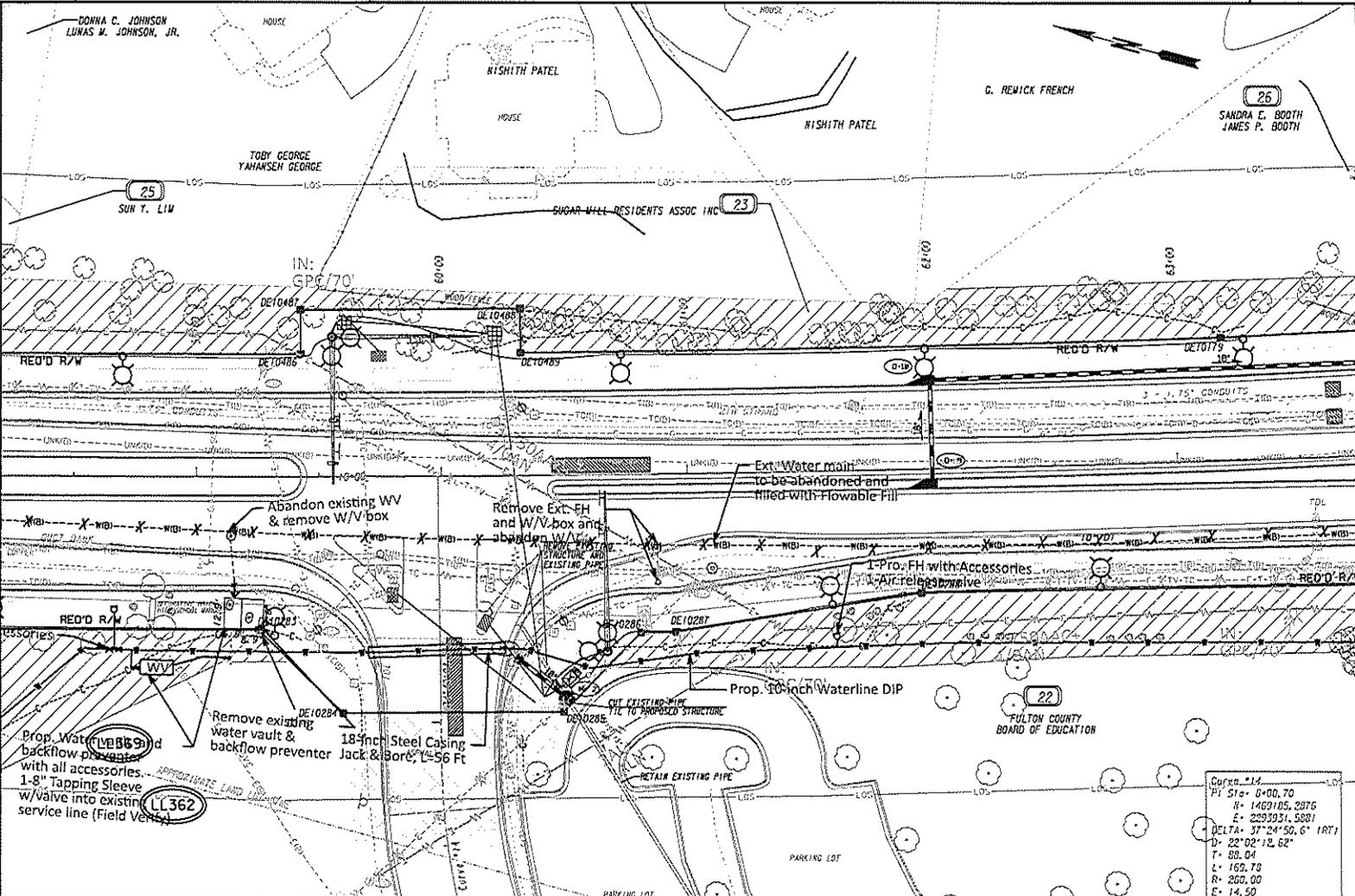


REVISION DATES	

UTILITY RELOCATION PLANS
 S.R. 120 WIDENING

CONCAT:	DATE:	DRAWING NO.
DESIGNED BY:	DATE:	44-0006
CHECKED BY:	DATE:	
APPROVED BY:	DATE:	

UNIT OWNERS OF THE VILLAS
 AT JOHN'S CREEK AS TENANTS IN
 COMMON & THE VILLAS AT JOHN'S
 CREEK CONDOMINIUM ASSOCIATION, INC.



MATCH LINE STA. 50+00.00
SEE DRAWING NO. 44-0009

MATCH LINE STA. 63+80.00
SEE DRAWING NO. 44-0011

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

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

FULTON COUNTY
 WATER AND SEWER

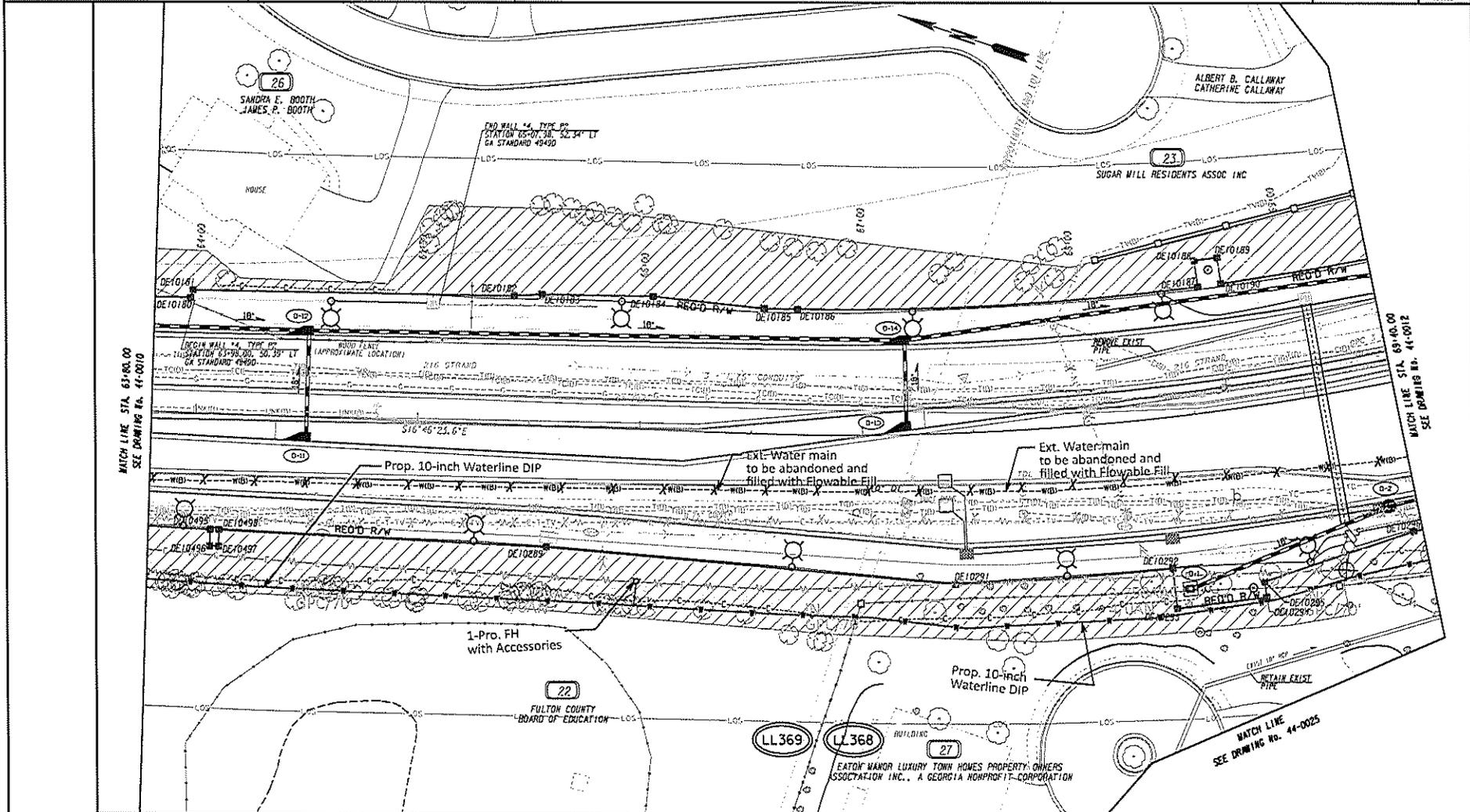


REVISION	DATE

UTILITY RELOCATION PLANS
 S. R. 120 WIDENING

DESIGNED	DATE	DRAWING NO.
CHECKED	DATE	44-0010
COMPUTER	DATE	
PRINTED	DATE	

Curve Data
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 W = 1469.05, 287.6
 E = 229.921, 589.1
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 D = 22°02'12.62"
 T = 88.04
 L = 162.78
 R = 260.00
 E = 14.50



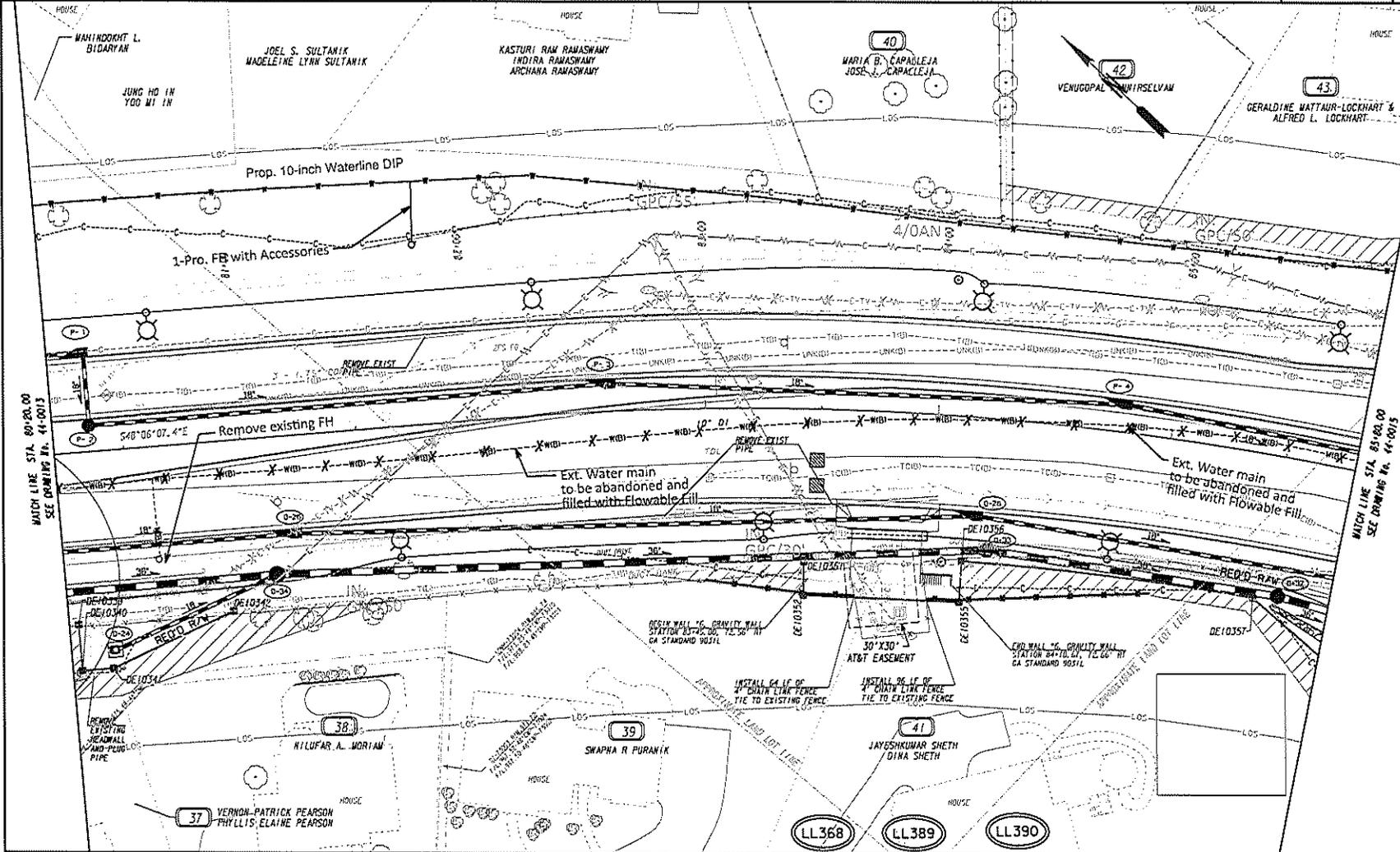
BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
LIMIT OF ACCESS	---
REQ'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---

FULTON COUNTY
WATER AND SEWER



REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
DESIGNED:	DATE:	DRAWING NO.	
CHECKED:	DATE:	44-0011	
CONVERTED:	DATE:		
VERIFIED:	DATE:		



MATCH LINE STA. 80+00.00
 SEE DRAWING No. 44-0013

MATCH LINE STA. 85+00.00
 SEE DRAWING No. 44-0015

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

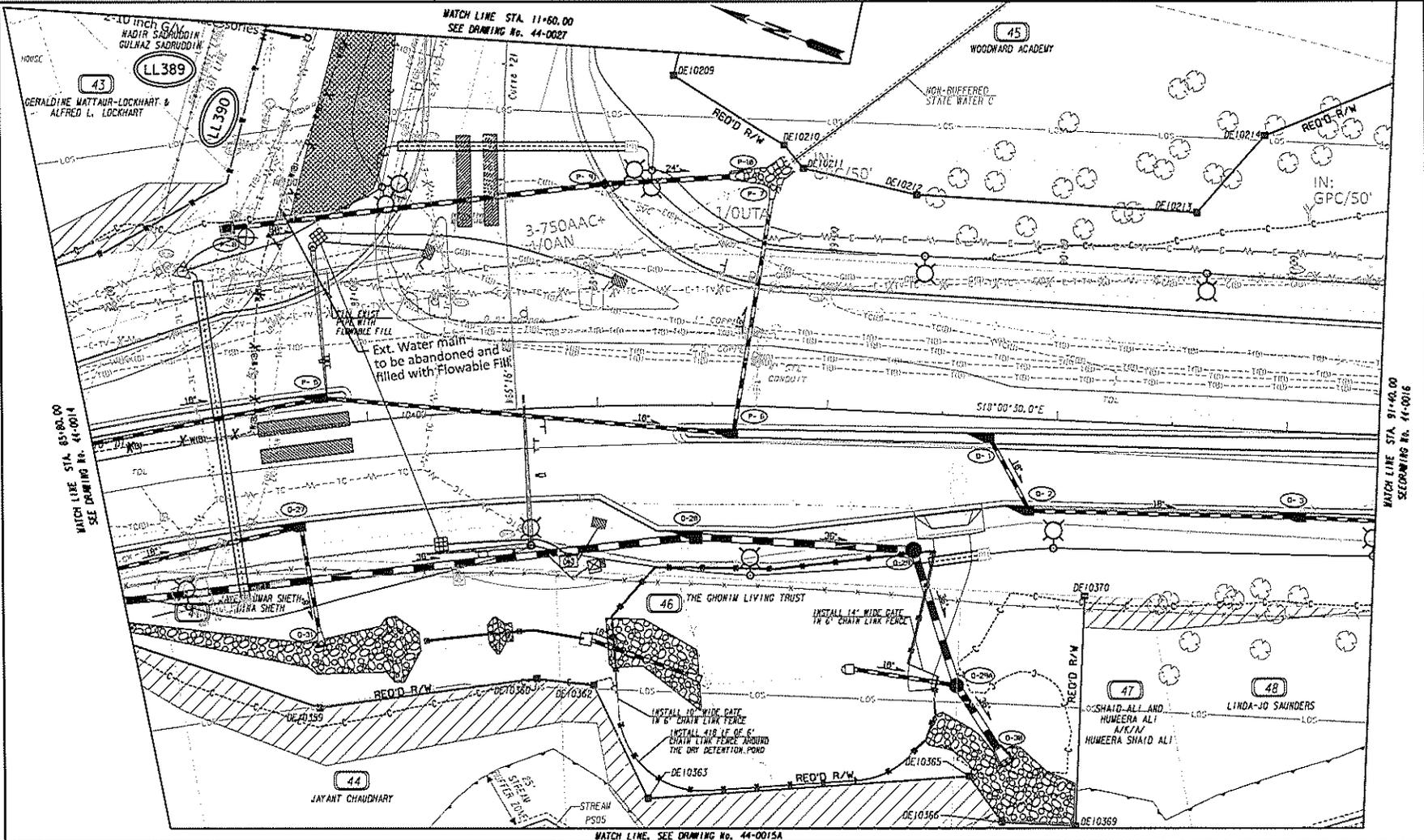
BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

FULTON COUNTY
WATER AND SEWER



REVISION DATES	

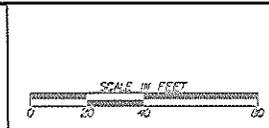
UTILITY RELOCATION PLANS		
S. R. 120 WIDENING		
CONC'D BY	DATE	DRAWING NO. 44-0014
DESIGNED BY	DATE	
CHECKED BY	DATE	
APPROVED BY	DATE	



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

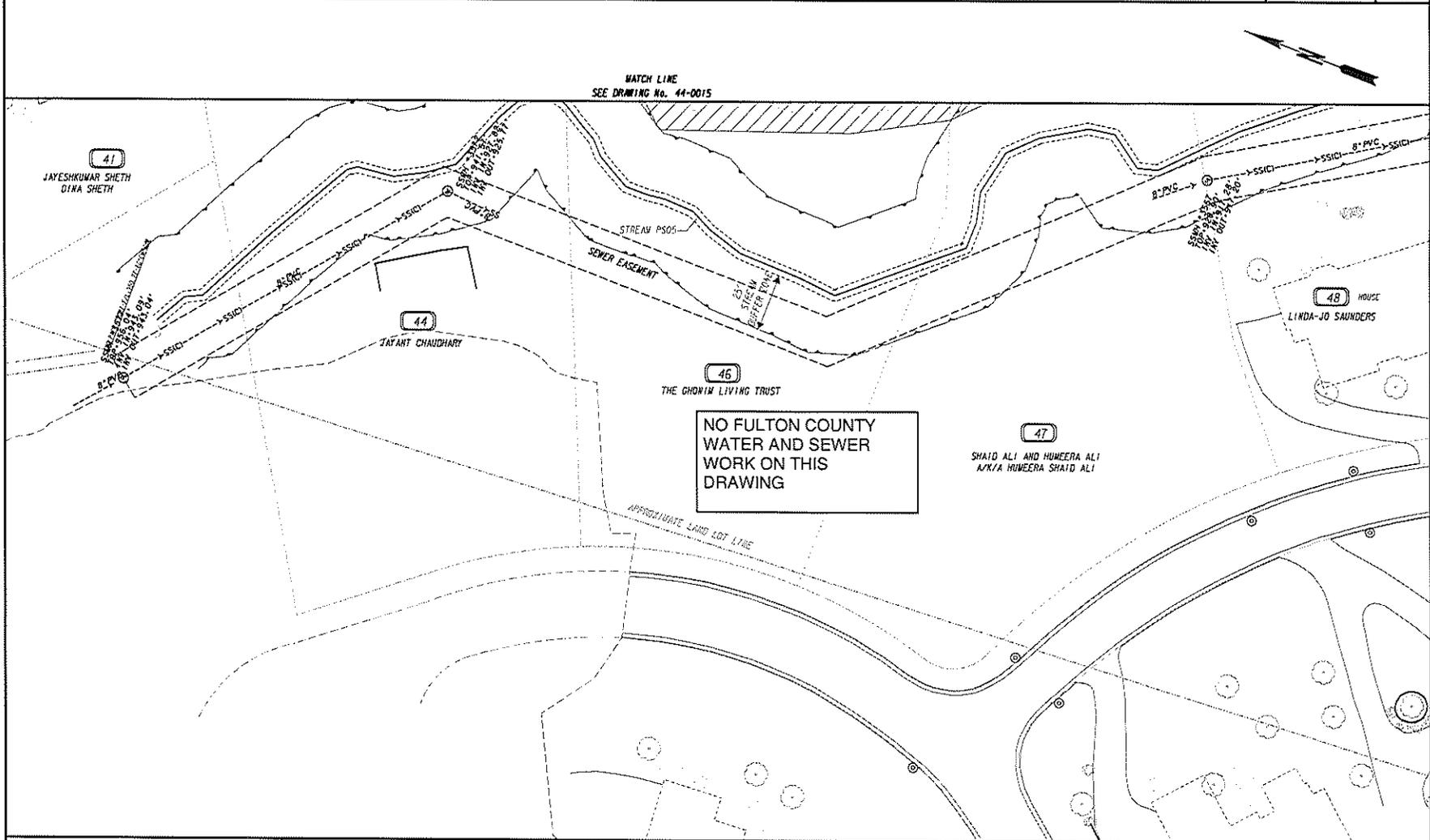
BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

FULTON COUNTY
 WATER AND SEWER

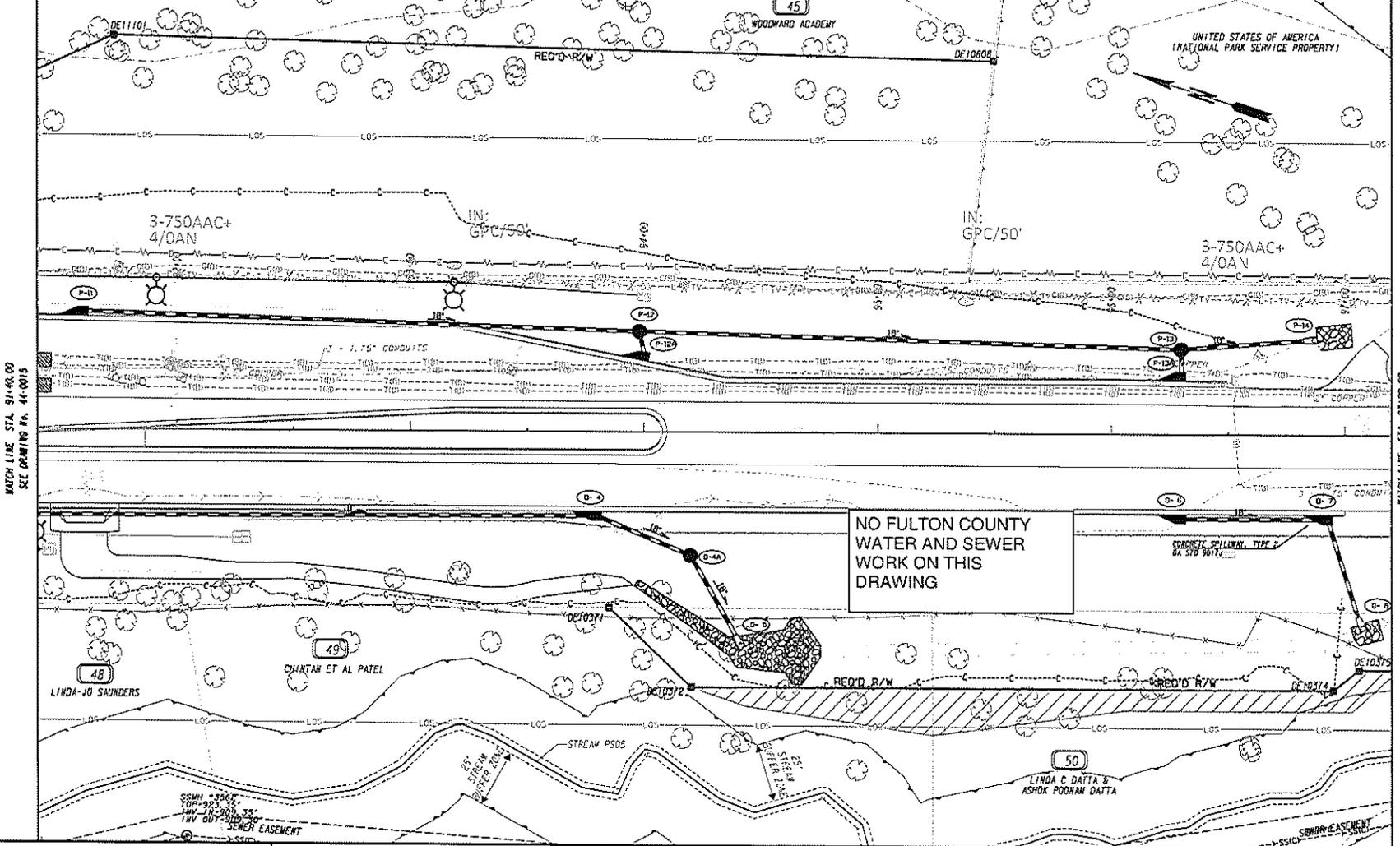


REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
DESIGNED:	DATE:	DRAWING NO.	
CHECKED/ENCL:	DATE:	44-0015	
COMPLETED:	DATE:		
APPROVED:	DATE:		



<p>PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES</p>	<p>BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS ORANGE BARRIER FENCE ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)</p>	<p>FULTON COUNTY WATER AND SEWER</p>	<p>SCALE IN FEET</p>	<p>REVISION DATES</p> <table border="1"> <tr><td> </td><td> </td></tr> </table>																	<p style="text-align: center;">UTILITY PLANS S.R. 120 WIDENING</p> <table border="1"> <tr> <td>DESIGNED BY</td> <td>DATE</td> <td rowspan="4" style="text-align: center;">DRAWING NO. 44-0015A</td> </tr> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> </table>	DESIGNED BY	DATE	DRAWING NO. 44-0015A	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
DESIGNED BY	DATE	DRAWING NO. 44-0015A																												
DRAWN BY	DATE																													
CHECKED BY	DATE																													
APPROVED BY	DATE																													



NO FULTON COUNTY
 WATER AND SEWER
 WORK ON THIS
 DRAWING

MATCH LINE STA. 91+40.00
 SEE DRAWING No. 44-0015

MATCH LINE STA. 97+00.00
 SEE DRAWING No. 44-0017

PROPERTY AND EXISTING R/W LINE	— P —	BEGIN LIMIT OF ACCESS.....BLA	———
REQUIRED R/W LINE	— R —	END LIMIT OF ACCESS.....ELA	———
CONSTRUCTION LIMITS	— C —	LIMIT OF ACCESS	———
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	— S —	REQ'D R/W & LIMIT OF ACCESS	———
EASEMENT FOR CONSTR OF SLOPES	— SL —	ORANGE BARRIER FENCE	———
EASEMENT FOR CONSTR OF DRIVES	— SD —	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	———

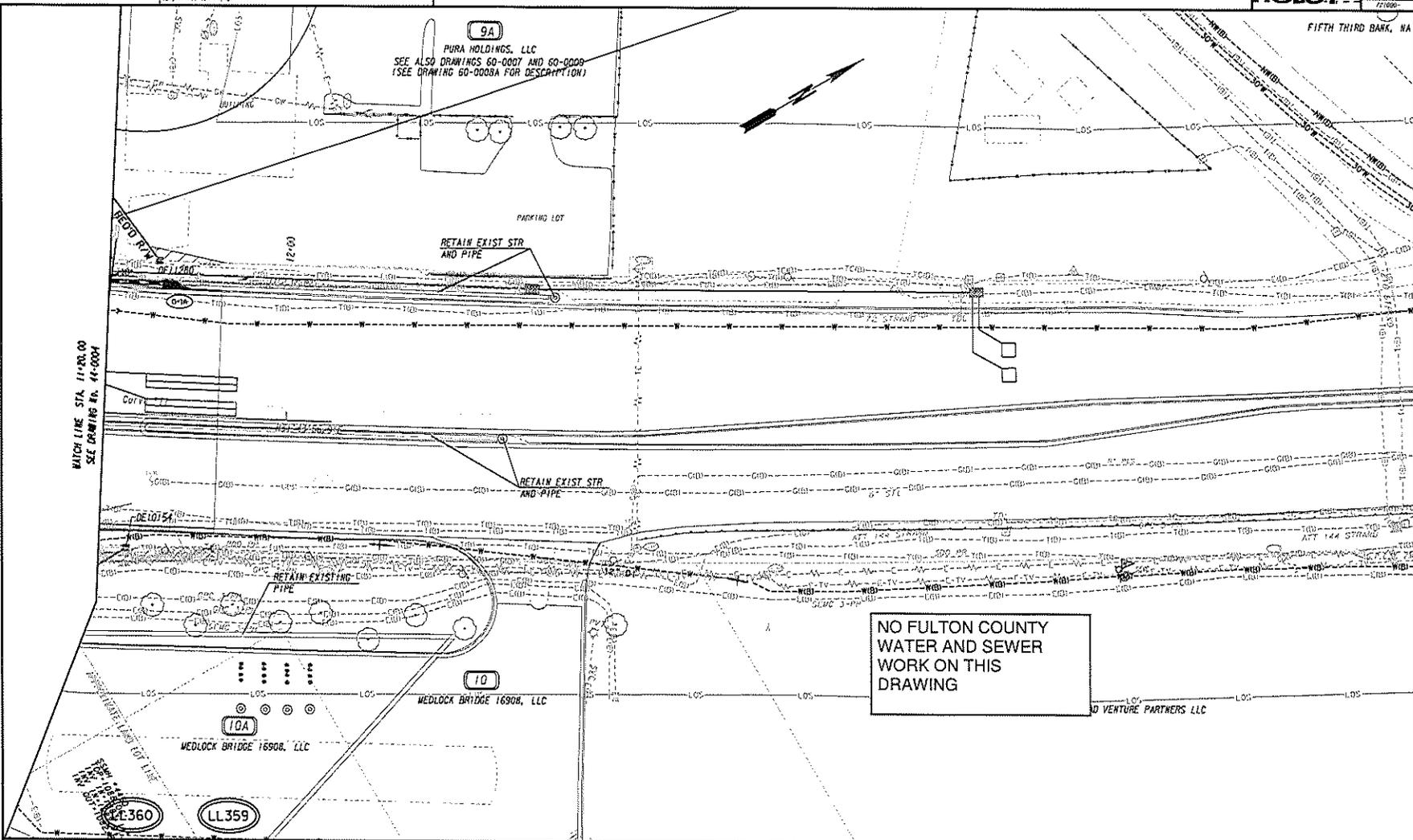
FULTON COUNTY
 WATER AND SEWER



REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
CHECKED BY:	DATE:	DRAWING NO.:	
DESIGNED BY:	DATE:		
CONSTRUCTED BY:	DATE:		

44-0016

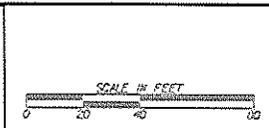


MATCH LINE STA. 11+00.00
 SEE DRAWING NO. 44-0004

NO FULTON COUNTY
 WATER AND SEWER
 WORK ON THIS
 DRAWING

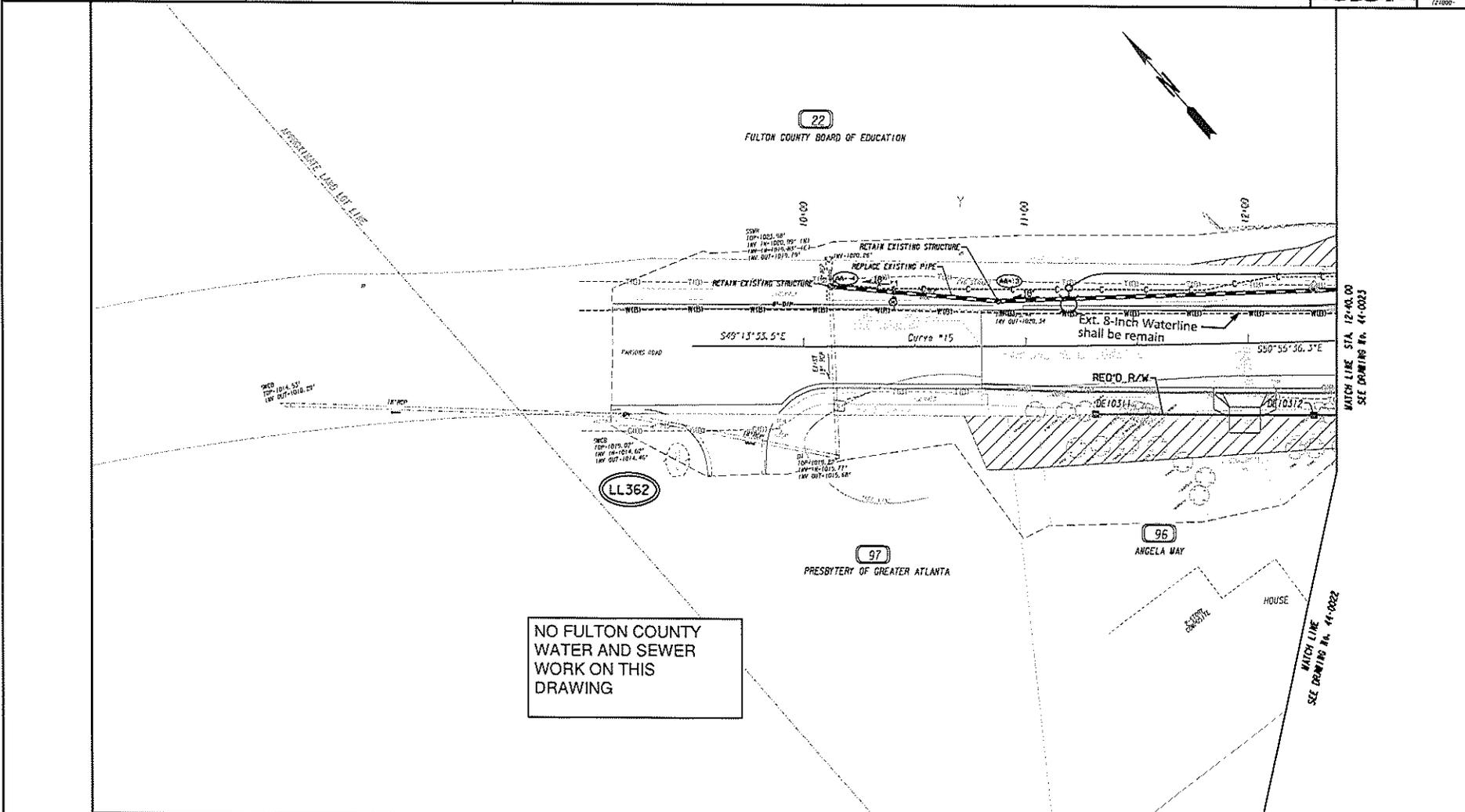
PROPERTY AND EXISTING R/W LINE	---	BEGIN LIMIT OF ACCESS.....BLA	---
REQUIRED R/W LINE	---	END LIMIT OF ACCESS.....ELA	---
CONSTRUCTION LIMITS	---	LIMIT OF ACCESS	---
EASEMENT FOR CONSTR	---	REQ'D R/W & LIMIT OF ACCESS	---
& MAINTENANCE OF SLOPES	---	ORANGE BARRIER FENCE	---
EASEMENT FOR CONSTR OF SLOPES	---	ESA - ENV. SENSITIVE AREA	---
EASEMENT FOR CONSTR OF DRIVES	---	(SEE ERIT TABLE)	---

FULTON COUNTY
 WATER AND SEWER



REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
S. R. 141			
DESIGNED	DATE	DRAWING NO.	
CHECKED	DATE		
CONVERTED	DATE		
APPROVED	DATE		
			44-0019

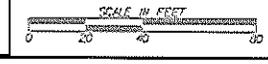


NO FULTON COUNTY
WATER AND SEWER
WORK ON THIS
DRAWING

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

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

FULTON COUNTY
WATER AND SEWER

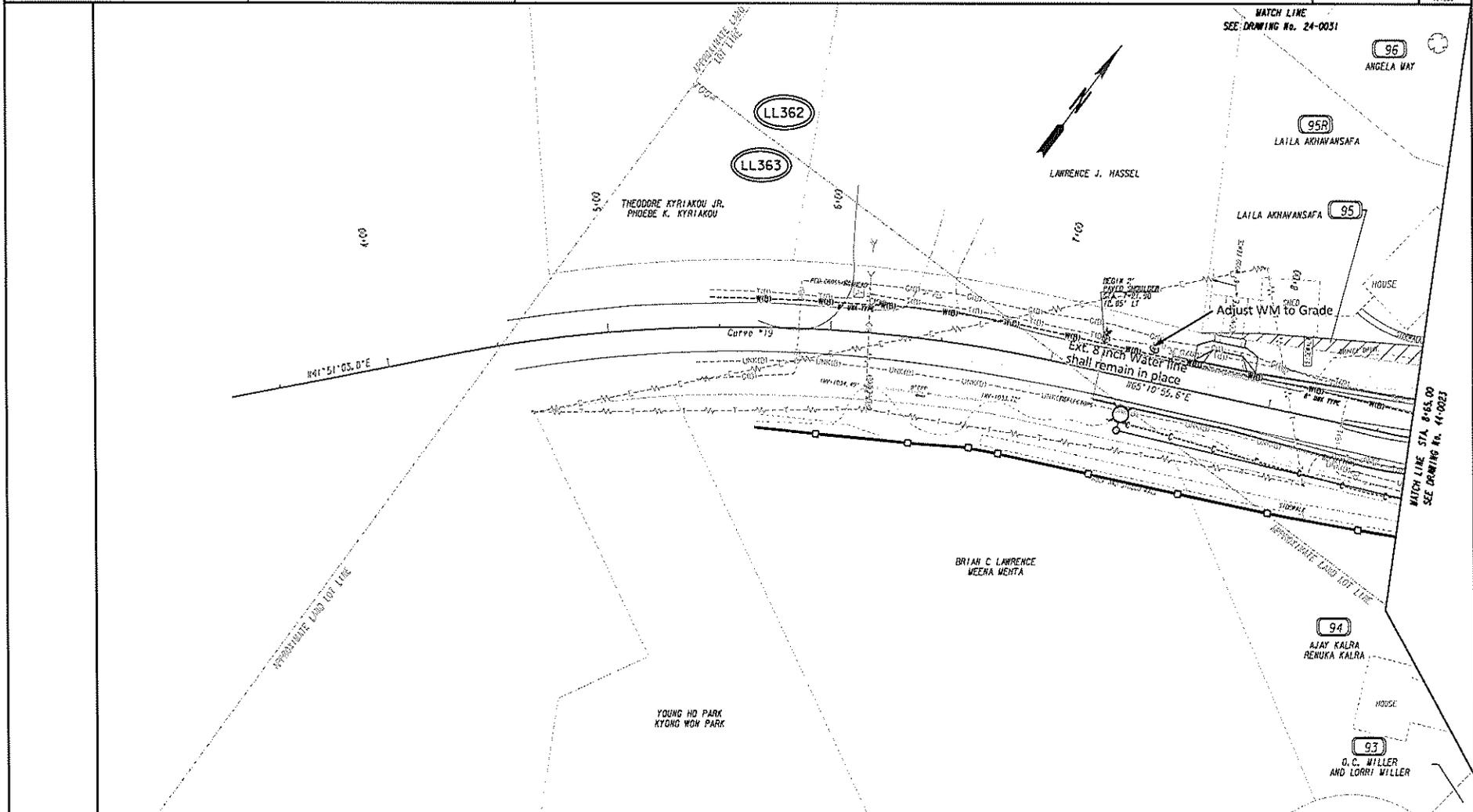


REVISION DATES	

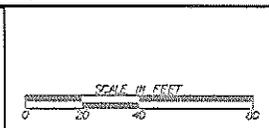
UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
PARSONS ROAD			
DATE	DATE	DATE	DRAWING No.
			44-0021

WATCH LINE STA. 12+40.00
SEE DRAWING No. 44-0023

WATCH LINE
SEE DRAWING No. 44-0022

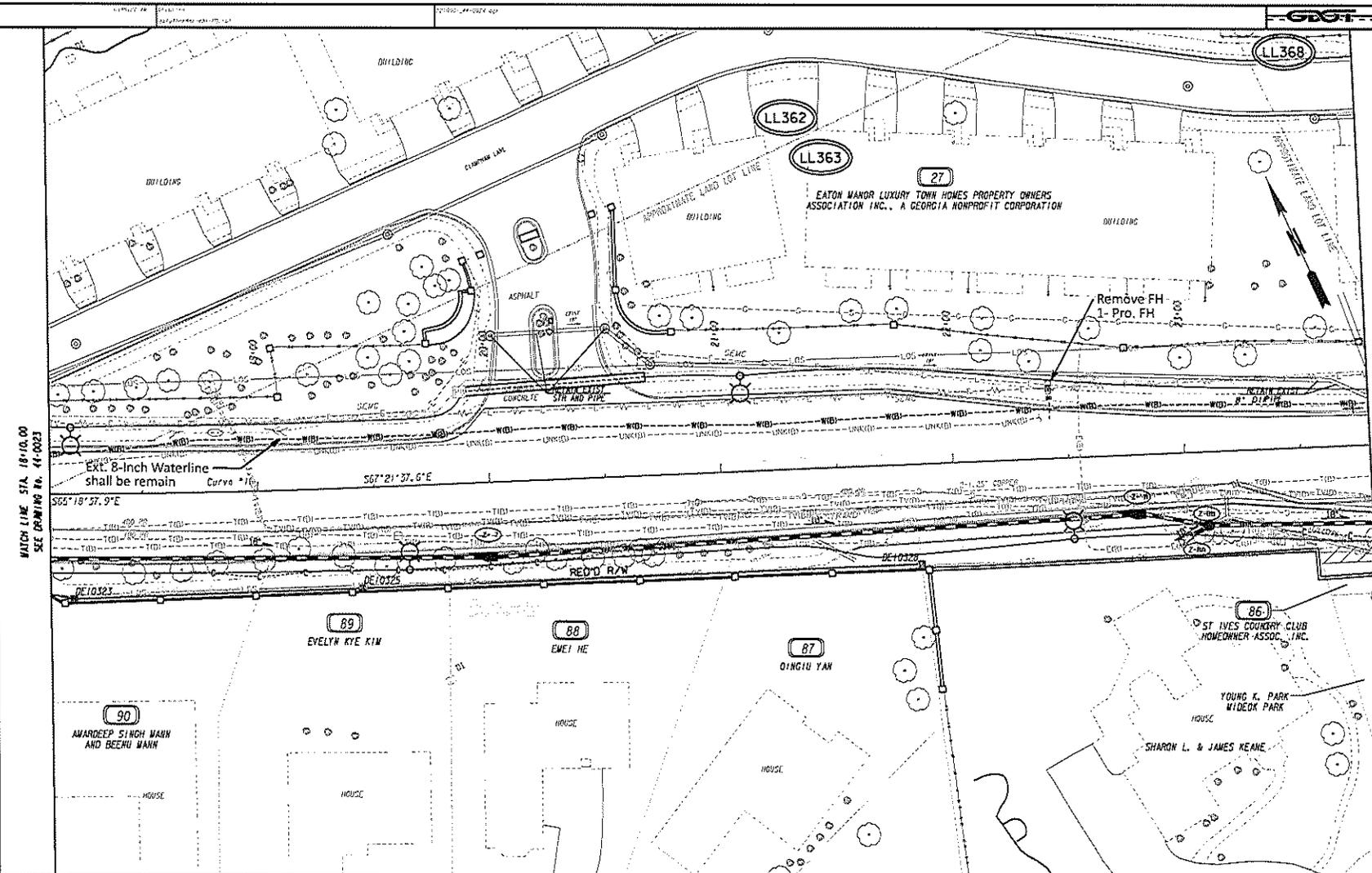


**FULTON COUNTY
 WATER AND SEWER**



REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
WILSON ROAD			
DESIGNED BY	DATE	DRAWING NO.	44-0022
CHECKED BY	DATE		
CONTRACTED BY	DATE		
VERIFIED BY	DATE		



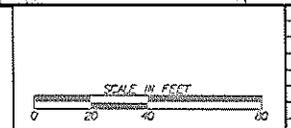
WATCH LINE STA. 18+00.00
SEE DRAWING NO. 44-0023

WATCH LINE STA. 21+00.00
SEE DRAWING NO. 44-0025

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

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
LIMIT OF ACCESS	---
REQ'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERYT TABLE)	---

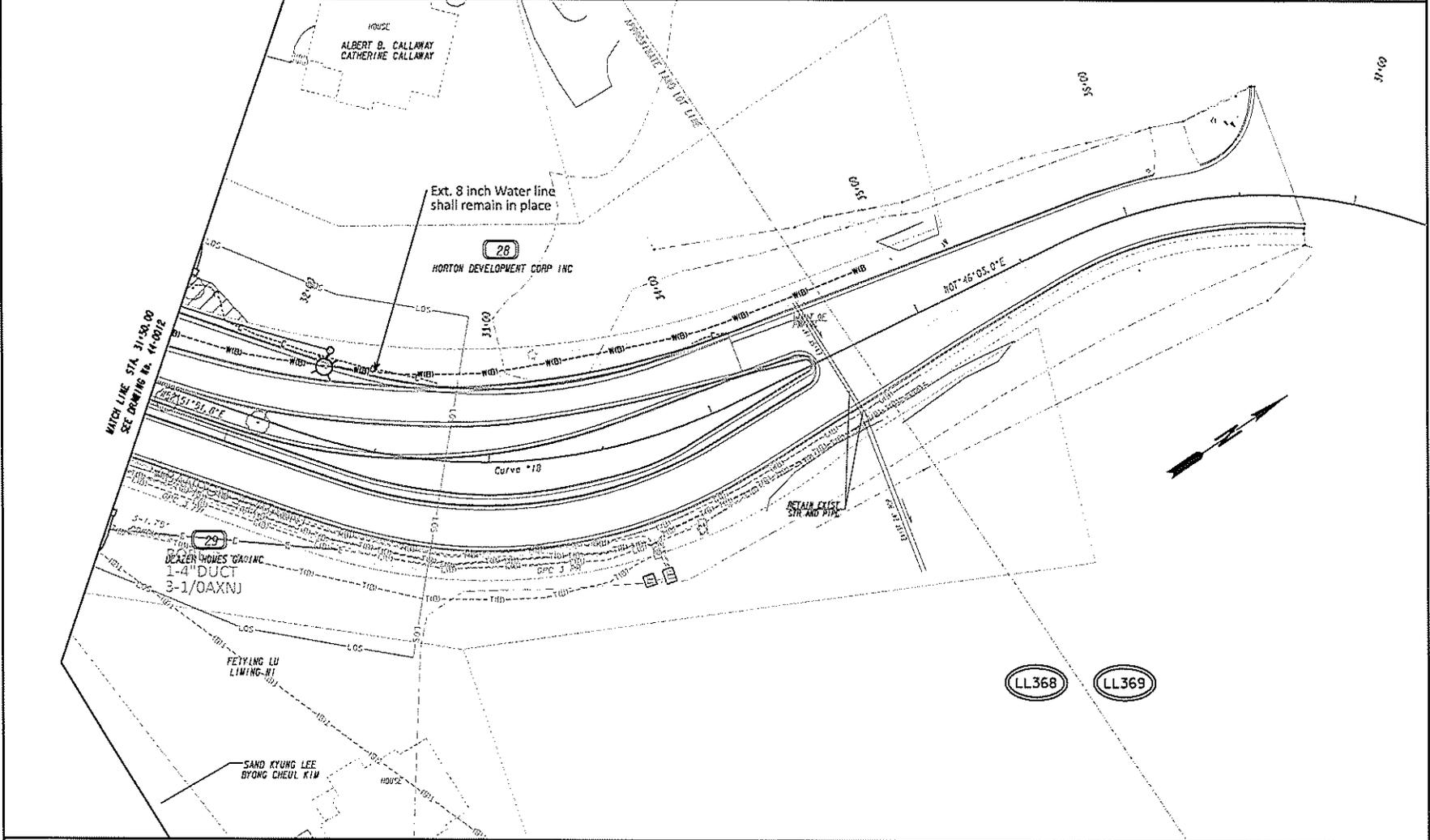
FULTON COUNTY
WATER AND SEWER



REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
PARSONS ROAD			
DESIGNED	DATE		
DRAWN	DATE		
CHECKED	DATE		
APPROVED	DATE		

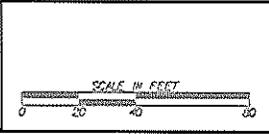
DRAWING NO. 44-0024



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

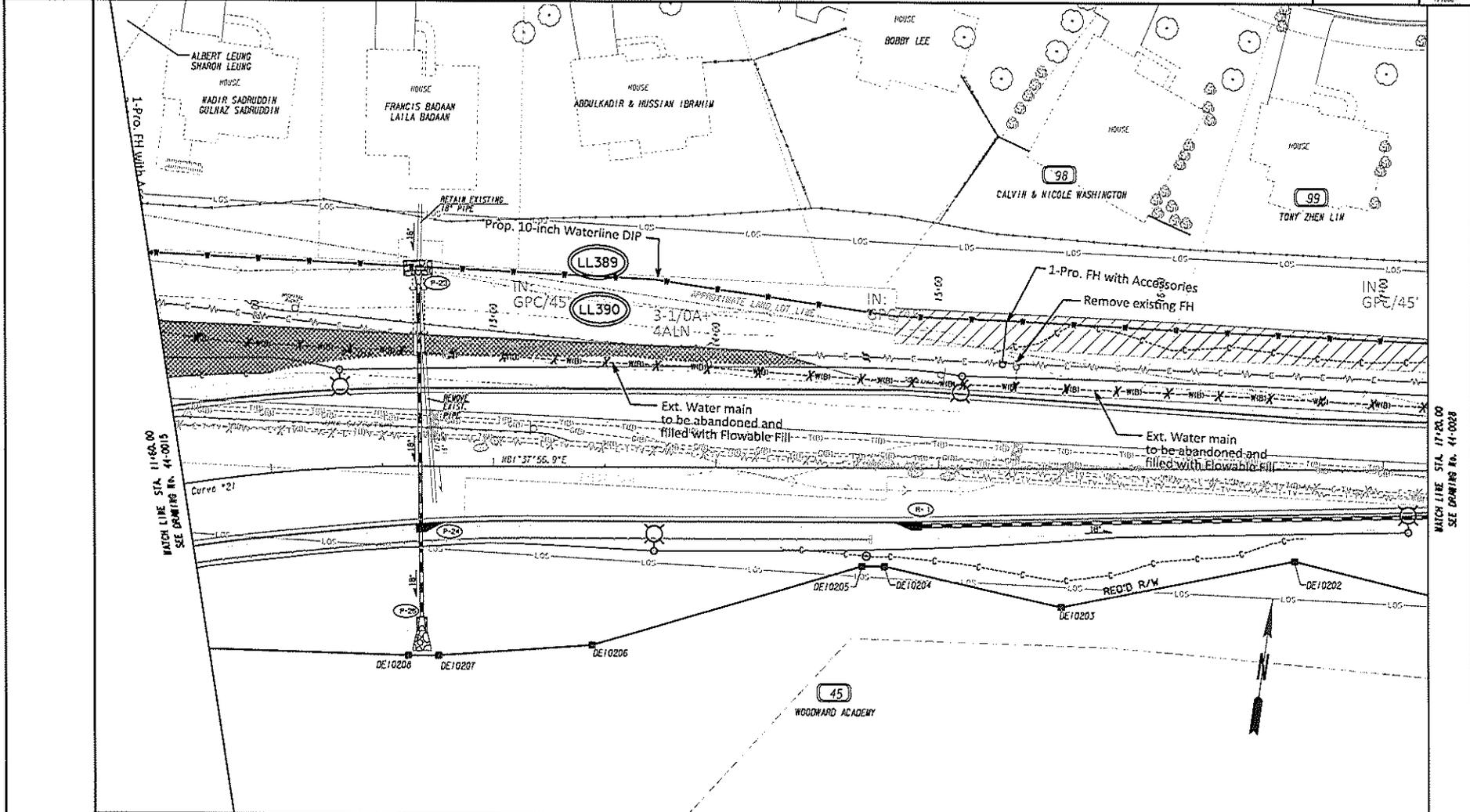
BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 RED'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

**FULTON COUNTY
 WATER AND SEWER**



REVISION DATES	

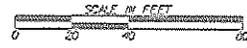
UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
SWEET CREEK ROAD			
CHK'D BY:	DATE:	DRAWING No.	44-0026
BACKLOG BY:	DATE:		
CONV. BY:	DATE:		
VERIFY BY:	DATE:		



PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR. OF SLOPES
 EASEMENT FOR CONSTR. OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

FULTON COUNTY WATER AND SEWER



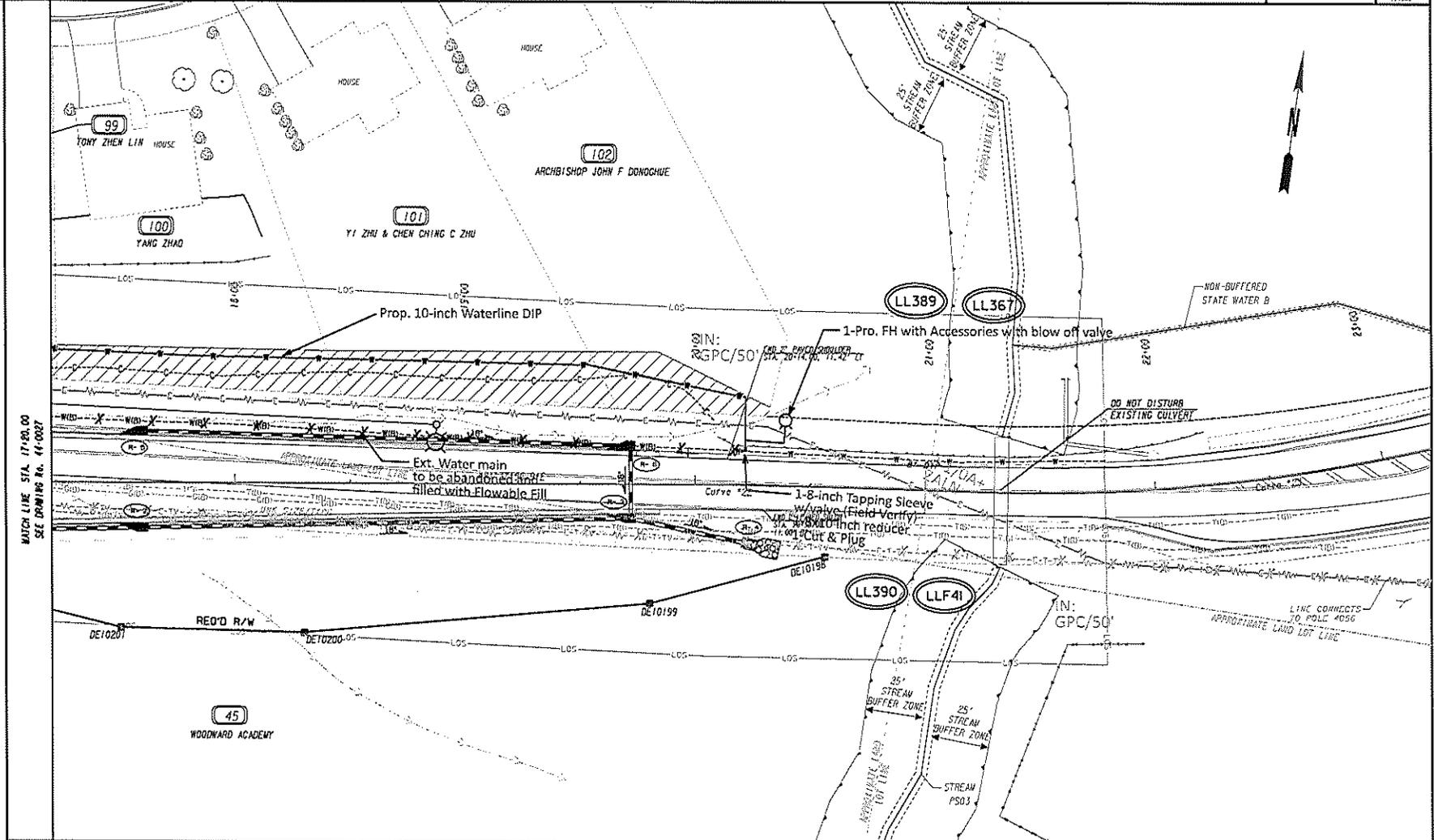
REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
BOLES ROAD			
CONTR.	DATE	DRAWING NO.	
DESIGNED BY	DATE		
CHECKED BY	DATE		
APPROVED BY	DATE		

44-0027

MATCH LINE STA. 11+60.00
SEE DRAWING No. 44-0015

MATCH LINE STA. 17+20.00
SEE DRAWING No. 44-0028



MATCH LINE STA. 17+28.00
SEE DRAWING NO. 44-0027

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

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

FULTON COUNTY
 WATER AND SEWER



REVISION DATES	

UTILITY RELOCATION PLANS			
S. R. 120 WIDENING			
BOLES ROAD			
DATE	BY	DATE	BY

DRAWING NO.
44-0028