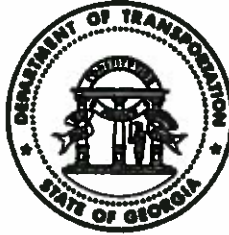


**Russell R. McMurry, P.E., Commissioner**



**GEORGIA DEPARTMENT OF TRANSPORTATION**

One Georgia Center, 600 West Peachtree Street, NW  
Atlanta, Georgia 30308  
Telephone: (404) 631-1000

February 11, 2015

Honorable Lee May  
Chief Executive Officer  
DeKalb County Board of Commissioners  
1300 Commerce Drive  
Decatur, Georgia 30030

**SUBJECT: IMNH0-0285-01 (354), DeKalb County  
713290-, Call No. 5  
Contract Item Agreement Authorization –Water Facilities**

Dear Mr. May:

Pittman Construction Company, as contractor for the Department of Transportation, was awarded a contract on October 31, 2014, to proceed with the proposed construction on the above numbered project.

The installation of Dekalb Counties water facilities in conflict with the project has been included in the highway project as requested. Attached is an executed counterpart of the Contract Item Agreement dated February 4, 2015 addressing Dekalb Counties reimbursement of this work to the Department. The Agreement is supported by your initial estimate of \$557,450.68; however the actual bid cost of the work is **\$663,214.00** of which Dekalb is responsible for 100.00%.

As outlined in Article 8 this reimbursement includes the bid cost of all items necessary to complete the work and in accordance with Article 9 of the Agreement this money is now due to the Department. Please send the Department a check to my attention within **60 days** of receipt of this letter, in the amount of **\$663,214.00** payable to "Treasurer – Georgia Department of Transportation, Office of Utilities 10th floor, One Georgia Center, 600 West Peachtree St, NW, Atlanta Georgia 30308.

The Department is providing construction engineering and contract supervision for the water facilities included in the project contract; however, you may visit the jobsite at any time to satisfy yourself that work is proceeding according to plan; but, please be reminded that only one "Final Inspection" can be conducted after the contractor notifies the Department that work is complete and the inspection must be arranged by the Department's Area Engineer. All instructions or corrective items must be given through Department personnel.

Ira Witherspoon, Area Engineer, under Kathy Zahul P.E., District Engineer, Chamblee, Georgia will be responsible for the construction supervision and inspection on this project. Ira Witherspoon can be reached by telephone at 404-326-6097 or email [iwitherspoon@dot.ga.gov](mailto:iwitherspoon@dot.ga.gov) or by mail addressed to 5025 New Peachtree Rd., Chamblee, GA 30341.

Project No.: IMNH0-0285-01 (354), DeKalb County  
PI No.: 713290-, Call No. 5  
Contract Item Agreement Authorization – Water Facilities  
February 10, 2015  
Page 2

You may contact Yulonda Pride-Foster, Utilities Preconstruction Engineer, if further information is needed at 404-631-1363 or by mail addressed to Georgia Department of Transportation, Office of Utilities 10th floor, One Georgia Center, 600 West Peachtree St, NW, Atlanta Georgia 30308 or by e-mail at [ypride@dot.ga.gov](mailto:ypride@dot.ga.gov).

Very truly yours,



Lee Upkins  
Assistant State Utilities Engineer

For: Michael J. Bolden  
State Utilities Engineer

MB:LU:JBB:YPF

Attachments (Agreement, estimate, and plans)

cc: Kathy Zahul P.E., District Engineer, Tennille, Georgia  
Attn: Ron Abner, District Contracts Manager  
Attn: Patrick Allen, District Utilities Engineer  
Attn: Sharon Witherspoon, Assistant District Utilities Engineer  
Ira Witherspoon, Area Engineer, Atlanta, Georgia  
Angela Robinson, State Financial Management Administrator  
Attn: Wanda Fuller – agreement only  
Marc Mastronardi, State Construction Engineer – letter only

Item	Description	Unit	Bm-Kind & Non-Reimbursable		Actual Bid		Actual Bid Cost	Actual Total	
			Orig Plan Total Qty	Orig Est Unit Price	Total Qty	Unit Price			
<b>INVID-0285-01 (54)</b>									
<b>WATER DISTRIBUTION ITEMS</b>									
<b>DEKALB COUNTY DEPARTMENT OF WATER MANAGEMENT</b>									
<b>WATER ITEMS</b>									
500-3101	CLASS A CONCRETE	CY	13.20	\$ 510.24	\$ 6,735.17	13.20	0.00	\$ 5	\$ 9,425.00
600-0001	FLOWABLE FILL	CY	28.70	\$ 181.49	\$ 5,208.76	28.70	29.00	\$ 325.00	\$ 9,425.00
610-0999	REMOVE PIPE 3'-6" 8" 10" 12" AND 20"	LF	2,905.00	\$ 6.68	\$ 19,405.40	2,905.00	3292.00	\$ 12.00	\$ 39,504.00
670-1080	WATER MAIN 8" DIP W/RESTRAINED JOINTS & POLYETHYLENE ENCASHERMENT	LF	200.00	\$ 255.00	\$ 51,000.00	200.00	200.00	\$ 135.00	\$ 27,000.00
670-1490	WATER MAIN 8 INCH DIP W/RESTRAINED JOINTS	LF	2,905.00	\$ 33.17	\$ 154,458.85	2,905.00	2949.00	\$ 125.00	\$ 368,623.00
670-1513	RESTRAINED JOINT 8"	EA	93.00	\$ 125.00	\$ 11,625.00	93.00	0.00	\$ -	\$ -
670-1513	CAP OR REMOVE EXISTING WATERLINE 8"	LF	387.00	\$ 200.00	\$ 77,400.00	387.00	0.00	\$ -	\$ -
670-1900	IN LINE PLUG- 8 INCH	EA	7.00	\$ 205.00	\$ 1,435.00	7.00	8.00	\$ 1,000.00	\$ 8,000.00
670-1910	IN LINE PRESSURE PLUG- 8 INCH	EA	8.00	\$ 205.00	\$ 1,640.00	8.00	0.00	\$ -	\$ -
670-2002	VALVE MARKER	EA	7.00	\$ 57.50	\$ 402.50	7.00	7.00	\$ 100.00	\$ 700.00
670-2005	BLOW-OFF ASSEMBLY & WATERLINE DISINFECTION COMPLETE	EA	4.00	\$ 65.00	\$ 260.00	4.00	4.00	\$ 1,500.00	\$ 6,000.00
670-2080	GATE VALVE 8 IN W/ BOX & PAD	EA	9.00	\$ 1,718.00	\$ 15,462.00	9.00	9.00	\$ 1,100.00	\$ 9,900.00
670-3015	TAPPING SLAVE & VALVE ASSEMBLY, 8 IN X 8 IN	EA	5.00	\$ 5,300.00	\$ 26,500.00	5.00	5.00	\$ 3,000.00	\$ 15,000.00
670-4000	FIRE HYDRANT ASSEMBLY WITH GATE VALVE	EA	7.00	\$ 4,322.00	\$ 30,254.00	7.00	7.00	\$ 3,000.00	\$ 21,000.00
670-5000	WATER SERVICE LINE, 3/4 IN	LF	760.00	\$ 9.45	\$ 7,182.00	760.00	760.00	\$ 45.00	\$ 34,200.00
670-7000	STEEL CASING FOR WATER MAIN 18"	LF	387.00	\$ 350.00	\$ 135,450.00	387.00	387.00	\$ 80.00	\$ 30,960.00
670-9050	DOUBLE STRAP SADDLE 3/4"	EA	9.00	\$ 868.00	\$ 7,812.00	9.00	10.00	\$ 75.00	\$ 750.00
670-9710	RELOCATE EXISTING WATER METER & BOX	EA	9.00	\$ 440.00	\$ 3,960.00	9.00	10.00	\$ 2,100.00	\$ 21,000.00
670-9920	REMOVE EXIST FIRE HYDRANT	EA	3.00	\$ 420.00	\$ 1,260.00	3.00	3.00	\$ 500.00	\$ 1,500.00
500-3800	CLASS A CONCRETE, INCL. REIN. STEEL	CY	-	\$ -	\$ -	0	18.00	\$ 325.00	\$ 5,850.00
670-1600	CUT & PLUG EXISTING WATER MAIN	EA	-	\$ -	\$ -	0	5.00	\$ 2,400.00	\$ 12,000.00
670-7320	LINE STOP, 8"	EA	-	\$ -	\$ -	0	7.00	\$ 7,400.00	\$ 51,800.00
SUBTOTAL =				\$ 867,460.88	\$ 867,460.88			\$ 663,214.00	\$ 663,214.00
TOTAL EST COST =				\$ 867,460.88	\$ 867,460.88			\$ 663,214.00	\$ 663,214.00
TOTAL B-BID EST				\$ 867,460.88	\$ 867,460.88			\$ 663,214.00	\$ 663,214.00
TOTAL B-BID				\$ -	\$ -			\$ 663,214.00	\$ 663,214.00
TOTAL RETIREMENT COST				\$ -	\$ -			\$ -	\$ -
TOTAL B-BID EST				\$ -	\$ -			\$ 663,214.00	\$ 663,214.00
TOTAL B-BID				\$ -	\$ -			\$ 663,214.00	\$ 663,214.00

Items with additions and/or changes items not on bid tabs



Tabulation of Bids

Contract ID: B34834-14-000-1

Counties: DeKalb

Letting Date: October 17, 2014

District(s): District 7 - Chamblee, Area Office 1 - Decatur

Call Order: 005

Project(s): IMNH0-0285-01(354)

Contract Time: 09/30/17 COMPLETION DATE

Contract Description: INTERCHANGE RECONSTRUCTION ON I-285/SR 407 AT SR 155 (FLAT SHOALS RD); ALSO INCLUDES CONSTRUCTION OF A BRIDGE AND INSTALLATION OF INTERSECTION VIDEO DETECTION SYSTEMS (VDS).

Line No./Item ID Item Description	Quantity and Units	(1) PITTMAN CONSTRUCTION COMPANY		(2) C. W. MATTHEWS CONTRACTING CO., INC.		(3) G.P.'S ENTERPRISES, INC.	
		Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 ROADWAY		Cat Alt Set:		Cat Alt Member:		LCC:	
0270 446-2118 9,935,000 LF HIGH STRENGTH PVMT REINF FABRIC, 18 IN WIDTH		5.95000	59,113.25	7.51000	74,611.85	7.61000	75,605.31
0275 456-2012 1,100 GLM INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (CONTINUOUS)		2,000.00000	2,200.00	4,460.49000	4,906.54	10,005.54000	11,006.01
0280 500-3200 52,000 CY CLASS B CONCRETE		349.47000	18,172.44	329.22000	17,119.44	948.13000	49,302.71
0285 500-3900 18,000 CY CLASS A CONCRETE, INCL REINF STEEL		325.00000	5,850.00	200.00000	3,600.00	1,606.88000	28,923.81
0290 500-9999 462,000 CY CLASS B CONC. BASE OR PVMT WIDENING		174.70000	84,205.40	153.98000	74,218.35	281.88000	128,226.11

previously  
500-3101



Tabulation of Bids

Contract ID: B34834-14-000-1

Counties: DeKalb

Letting Date: October 17, 2014

District(s): District 7 - Chamblee, Area Office 1 - Decatur

Call Order: 005

Project(s): IMNH0-0285-01(354)

Contract Time: 09/30/17 COMPLETION DATE

Contract Description: INTERCHANGE RECONSTRUCTION ON I-285/SR 407 AT SR 155 (FLAT SHOALS RD). ALSO INCLUDES CONSTRUCTION OF A BRIDGE AND INSTALLATION OF INTERSECTION VIDEO DETECTION SYSTEMS (VDS).

Line No / Item ID Item Description	AR Sec // AR Member	Quantity and Units	(1) PITTMAN CONSTRUCTION COMPANY		(2) G. W. MATTHEWS CONTRACTING CO., INC.		(3) G.P.'S ENTERPRISES, INC.	
			Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 ROADWAY			Cat Alt Set:		Cat Alt Member:		LCC:	
0320 550-4224 FLARED END SECTION 24 IN, STORM DRAIN		4.000 EA	635.00000	2,540.00	647.05000	2,588.20	1,472.26000	5,888.00
0325 550-4230 FLARED END SECTION 30 IN, STORM DRAIN		1.000 EA	715.00000	715.00	724.28000	724.28	1,756.05000	1,756.00
0330 576-1018 SLOPE DRAIN PIPE, 18 IN		330.000 LF	42.00000	13,860.00	40.22000	13,272.60	73.52000	24,281.80
0335 600-0001 FLOWABLE FILL		29.000 CY	325.00000	9,425.00	500.00000	14,500.00	701.17000	20,333.80
0340 603-2024 STN DUMPED RIP RAP, TP 1, 24 IN		252.000 SY	52.00000	13,104.00	38.00000	9,828.00	63.83000	16,085.10



Tabulation of Bids

Contract ID: B34834-14-000-1

Counties: DeKalb

Letting Date: October 17, 2014

District(s): District 7 - Chamblee, Area Office 1 - Decatur

Call Order: 005

Project(s): IMNH0-0285-01(354)

Contract Time: 09/30/17 COMPLETION DATE

Contract Description: INTERCHANGE RECONSTRUCTION ON I-285/SR 407 AT SR 155 (FLAT SHOALS RD); ALSO INCLUDES CONSTRUCTION OF A BRIDGE AND INSTALLATION OF INTERSECTION VIDEO DETECTION SYSTEMS (VDS).

Line No / Item ID Item Description	Quantity and Units	(1) PITTMAN CONSTRUCTION COMPANY		(2) C. W. MATTHEWS CONTRACTING CO., INC.		(3) G.P.'S ENTERPRISES, INC.	
		Unit Price	Ext. Amount	Unit Price	Ext. Amount	Unit Price	Ext. Amount
SECTION: 0001 ROADWAY			Cat Alt Set:		Cat Alt Member:		LCC:
0345 603-6006 SAND-CEMENT BAG RIP RAP, 6 IN SY	13,000	85.00000	1,105.00	342.43000	4,451.59	340.75000	4,429.71
0350 603-7000 PLASTIC FILTER FABRIC SY	252,000	4.00000	1,008.00	5.08000	1,275.12	9.48000	2,386.91
0355 610-0959 REMOVE PIPE - 6 IN LF	3,292,000	12.00000	39,504.00	14.00000	46,088.00	20.38000	67,090.91
0360 610-9310 REM STR SUPPORT, TP - 1, STA 1217+50 RT LS	(1)	5,010.00000	5,010.00	4,615.38000	4,615.38	4,730.76000	4,730.71
0365 610-9310 REM STR SUPPORT, TP - 1, STA 1239+75 RT LS	(1)	5,010.00000	5,010.00	4,615.38000	4,615.38	4,730.76000	4,730.71



Tabulation of Bids

Contract ID: B34834-14-000-1

Counties: DeKalb

Letting Date: October 17, 2014

District(s): District 7 - Chamblee, Area Office 1 - Decatur

Call Order: 005

Project(s): IMNH0-0285-01(354)

Contract Time: 09/30/17 COMPLETION DATE

Contract Description: INTERCHANGE RECONSTRUCTION ON I-285/SR 407 AT SR 155 (FLAT SHOALS RD); ALSO INCLUDES CONSTRUCTION OF A BRIDGE AND INSTALLATION OF INTERSECTION VIDEO DETECTION SYSTEMS (VDS).

Line No / Item ID Item Description	Quantity and Units	(1) PITTMAN CONSTRUCTION COMPANY		(2) C. W. MATTHEWS CONTRACTING CO., INC.		(3) G.P.'S ENTERPRISES, INC.	
		Unit Price	Ext. Amount	Unit Price	Ext. Amount	Unit Price	Ext. Amount
SECTION: 0001 ROADWAY			Cat At Set:		Cat At Member:		LCC:
0695 668-4300 STORM SEWER MANHOLE; TP 1	10,000 EA	1,521.00000	15,210.00	1,521.00000	15,210.00	3,288.97000	32,889.70
0700 670-1080 WATER MAIN, 8 IN., DIP W/ RESTRAINED JOINTS	2,949,000 LF	125.00000	368,625.00	120.00000	353,880.00	52.44000	154,645.50
0705 670-1080 WATER MAIN, 8 IN., DIP W/ RESTRAINED JOINTS & POLYETHYLENE ENCASEMENT	200,000 LF	135.00000	27,000.00	130.00000	26,000.00	83.46000	16,896.00
0710 670-1600 CUT & PLUG EXISTING WATER MAIN	5,000 EA	2,400.00000	12,000.00	2,500.00000	12,500.00	2,254.95000	11,274.75
0715 670-1800 INLINE PLUG - 8 IN	8,000 EA	1,000.00000	8,000.00	2,500.00000	20,000.00	8,523.50000	68,188.00



Tabulation of Bids

Contract ID: B34834-14-000-1

Counties: DeKalb

Letting Date: October 17, 2014

District(s): District 7 - Chamblee Area Office 1 - Decatur

Call Order: 005

Project(s): IMNH0-0285-01(354)

Contract Time: 09/30/17 COMPLETION DATE

Contract Description: INTERCHANGE RECONSTRUCTION ON I-285/SR 407 AT SR 155 (FLAT SHOALS RD); ALSO INCLUDES CONSTRUCTION OF A BRIDGE AND INSTALLATION OF INTERSECTION VIDEO DETECTION SYSTEMS (VDS).

Line No./Item ID Item Description	Quantity and Units	(1) PITTMAN CONSTRUCTION COMPANY		(2) G. W. MATTHEWS CONTRACTING CO., INC.		(3) G.P.'S ENTERPRISES, INC.	
		Unit Price	Ext. Amount	Unit Price	Ext. Amount	Unit Price	Ext. Amount
SECTION: 0001 ROADWAY			Cat Alt Set:		Cat Alt Member:		LCC:
0720 670-2002 VALVE MARKER	7,000 EA	100.00000	700.00	150.00000	1,050.00	286.05000	1,862.31
0725 670-2005 BLOW-OFF ASSEMBLY, COMPLETE	4,000 EA	1,500.00000	6,000.00	3,000.00000	12,000.00	3,868.85000	15,475.81
0730 670-2080 GATE VALVE, 8 IN	9,000 EA	1,100.00000	9,900.00	2,000.00000	18,000.00	1,646.36000	14,817.21
0735 670-3015 TAPPING SLEEVE & VALVE ASSEMBLY, - 8 IN X 8 IN	5,000 EA	3,000.00000	15,000.00	7,500.00000	37,500.00	4,475.69000	22,378.41
0740 670-4000 FIRE HYDRANT	7,000 EA	3,000.00000	21,000.00	4,000.00000	28,000.00	4,696.28000	32,873.91

previously  
670-3087







Tabulation of Bids

Contract ID: B34834-14-000-1

Counties: DeKalb

Letting Date: October 17, 2014

District(s): District 7 - Chamblee, Area Office 1 - Decatur

Call Order: 005

Project(s): IMNH0-0285-01(354)

Contract Time: 09/30/17 COMPLETION DATE

Contract Description: INTERCHANGE RECONSTRUCTION ON I-285/SR 407 AT SR 155 (FLAT SHOALS RD); ALSO INCLUDES CONSTRUCTION OF A BRIDGE AND INSTALLATION OF INTERSECTION VIDEO DETECTION SYSTEMS (VDS).

Line No // Item ID Item Description	Air Set // Air Member	Quantity and Units	(1) PITTMAN CONSTRUCTION COMPANY		(2) C. W. MATTHEWS CONTRACTING CO., INC.		(3) G.P.'S ENTERPRISES, INC.	
			Unit Price	Est. Amount	Unit Price	Est. Amount	Unit Price	Est. Amount
SECTION: 0001 ROADWAY			Cat Air Set:		Cat Air Member:		LCC:	
0770 REMOVE EXISTING FIRE HYDRANT	670-9820	3.000 EA	500.00000	1,500.00	500.00000	1,500.00	1,948.03000	5,847.0X
0775 LIGHTING STD, SPCL DESIGN	681-3600	92.000 EA	3,395.00000	312,340.00	3,395.00000	312,340.00	3,280.00000	301,780.0X
0780 LUMINAIRE, TP 3, 150 W, HP SODIUM	681-6320	12.000 EA	861.00000	10,332.00	861.00000	10,332.00	788.75000	9,225.0X
0785 LUMINAIRE, TP 3, 250 W, HP SODIUM	681-6346	36.000 EA	885.00000	31,860.00	885.00000	31,860.00	788.75000	27,675.0X
0790 LUMINAIRE, TP 3, 400 W, HP SODIUM	681-6366	15.000 EA	918.00000	13,770.00	918.00000	13,770.00	788.75000	11,531.2X

Account No. – Class: 733005 – 309

Department ID: 4848010000

Program No.: 4181401

STANDARD UTILITY AGREEMENT  
GDOT Contract ID No.: CS00UUTL140825  
CONTRACT ITEM AGREEMENT

Georgia Project No.: IMNH0-0285-01 (354), DeKalb County  
G.D.O.T. P.I. No.: 713290-

THIS AGREEMENT, made this January 4, 2015, by and between the Department of Transportation, an agency of the State of Georgia, hereinafter called the DEPARTMENT, first party, and DeKalb 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 reconstruct the Interchange of I-285 with State Route 155/Flat Shoals road in DeKalb County, 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 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 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 DEPARTMENT;

WHEREAS, the plans for the utility work have been approved by both the DEPARTMENT and the LOCAL AGENCY 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.

**STANDARD UTILITY AGREEMENT  
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.

8. The DEPARTMENT shall include in its highway contract those items shown as "materials" for permanent installation on the aforesaid plans attached hereto. 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 is **\$557,450.68** based on the LOCAL AGENCY'S estimate attached hereto of which the Department shall bear **\$0.00** and the LOCAL AGENCY shall bear **\$557,450.68**.

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

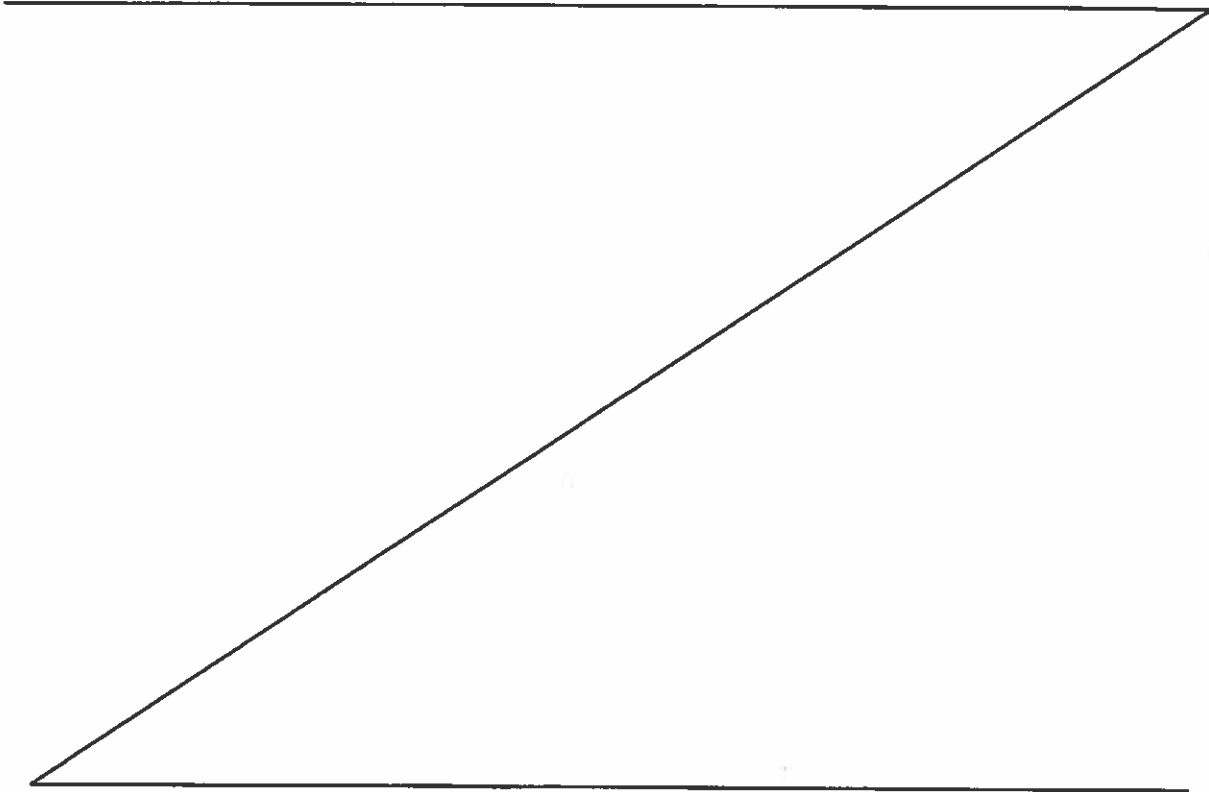
**STANDARD UTILITY AGREEMENT  
CONTRACT ITEM AGREEMENT**

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. 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.



STANDARD UTILITY AGREEMENT  
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.

WITNESS AS TO SECOND PARTY:

DEKALB COUNTY

BY: Margaret Britton  
WITNESS

BY: Melanie Gresham Smith  
NOTARY PUBLIC (SEAL)

BY: Lee May  
CEO

SWORN TO AND SUBSCRIBED  
BEFORE ME THIS 1 DAY  
OF December, 2014



Notary Public  
My commission expires:

Signed on behalf of DeKalb County pursuant to resolution dated \_\_\_\_\_

\*\*\*\*\*

FEIN 58-600814

\*\*\*\*\*

BY: Barbara J. P. Ca  
CLERK  
(OFFICIAL SEAL)

RECOMMENDED:

ACCEPTED:

BY: Michael J. Pallen  
STATE UTILITIES ENGINEER

DEPARTMENT OF TRANSPORTATION

BY: U R M M  
COMMISSIONER

PROJECT NO.: IMNH0-0285-01 (354)  
COUNTY: DeKalb  
G.D.O.T. P.I. NO.: 713290-  
DATE: May 28, 2014

Signed, sealed and delivered this 4th  
day of January, 2015,

(OFFICIAL SEAL OF THE DEPARTMENT)

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

BY: Angela Oullette  
TREASURER  
OFFICIAL CUSTODIAN OF THE SEAL



STANDARD UTILITY AGREEMENT  
CONTRACT ITEM AGREEMENT

RESOLUTION


STATE OF GEORGIA

COUNTY OF DEKALB

BE IT RESOLVED by the Chief Executive Officer and Board of Commissioners of DEKALB COUNTY, and it is hereby resolved, that the foregoing attached Agreement, relative to project IMNH0-0285-01 (354), DeKalb, P.I. No. 713290- to reconstruct the Interchange of I-285 with State Route 155/Flat Shoals road in DeKalb County, Georgia, and that MR. LEE MAY as Chief Executive Officer and MS. BARBARA SANDERS, as Clerk, be and they are, thereby authorized and directed to execute the same for and in behalf of said by the Chief Executive Officer and Board of Commissioners of DEKALB COUNTY.

Passed and adopted this the 28<sup>TH</sup> day of OCTOBER, 2014.

ATTEST:

  
CLERK

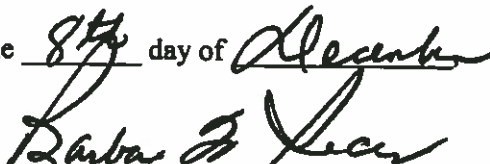
BY:   
CEO

STATE OF GEORGIA,

COUNTY OF DEKALB

I, MS. BARBARA SANDERS, as 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 Chief Executive Officer and Board of Commissioners of DEKALB COUNTY.

WITNESS my hand and official signature, this the 8<sup>TH</sup> day of December, 2014.

BY:   
CLERK

**GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT**

Contracting Entity: WATER DISTRIBUTION FACILITIES  
Address: IMNH0-0285-01 (354), PI # 713290- DeKalb County,  
Contract No. and Name: DEKALB COUNTY

By executing this affidavit, the undersigned person or entity verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm, or entity which is contracting with the Georgia Department of Transportation has registered with, is authorized to participate in, and is participating in 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.

The undersigned person or entity further agrees that it will continue to use the federal work authorization program throughout the contract period, and it will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the undersigned with the information required by O.C.G.A. § 13-10-91(b).

The undersigned person or entity further agrees to maintain records of such compliance and provide a copy of each such verification to the Georgia Department of Transportation within five (5) business days after any subcontractor is retained to perform such service.

55412  
E-Verify / Company Identification Number  
12/8/14  
Date of Authorization

Lee May  
Signature of Authorized Officer or Agent  
Lee May  
Printed Name of Authorized Officer or Agent  
Interim CEO  
Title of Authorized Officer or Agent  
12-8-14  
Date

SUBSCRIBED AND SWORN  
BEFORE ME ON THIS THE  
8<sup>th</sup> DAY OF December, 2014  
Melanie Gresham Smith  
Notary Public  
My Commission Expires: March 25, 2015








## INITIAL ISSUE COST ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
500-3101	CONC. FOR TAP (STEEL)	CY	13.2 ✓	\$510.24	\$6,735.17
600-0001	FLOWABLE FILL (ABANDON WATER LINE & GROUT)	CY	28.7 ✓	\$181.49	\$5,208.76
610-0959	REMOVE PIPE - 2", 6", 8", 12" AND 20"	LF	2905 ✓	\$6.68	\$19,405.40
670-1001	POLYETHYLENE ENCASEMENT 8" WATER MAIN	LF	200 ✓	\$255.00	\$51,000.00
670-1080	WATER MAIN, 8 INCH	LF	2905 ✓	\$53.17	\$154,458.85
670-1490	RESTRAINED JOINT, 8 INCH	EA	93 ✓	\$125.00	\$11,625.00
670-1513	CAP OR REMOVE EXISTING WATER LINE, 8"	LF	387 ✓	\$200.00	\$77,400.00
670-1900	INLINE PLUG - 8 INCH	EA	7 ✓	\$205.00	\$1,435.00
670-1910	INLINE PRESSURE PLUG, 8 INCH	EA	8 ✓	\$205.00	\$1,640.00
670-2002	VALVE MARKER	EA	7 ✓	\$57.50	\$402.50
670-2005	BLOW-OFF ASSEMBLY AND WATERLINE DISINFECTION COMPLETE	EA	4 ✓	\$65.00	\$260.00
670-2080	GATE VALVE, 8 INCH W/ BOX AND PAD	EA	9 ✓	\$1,718.00	\$15,462.00
670-3087	TAPPING SLEEVE AND VALVE ASSEMBLY, 8"X8" (INCLUDING REDUCER)	EA	5 ✓	\$5,300.00	\$26,500.00
670-4000	FIRE HYDRANT ASSEMBLY WITH GATE VALVE	EA	7 ✓	\$4,322.00	\$30,254.00
670-5620	WATER SERVICE LINE, 3/4 IN	LF	760 ✓	\$9.45	\$7,182.00
670-7000	STEEL CASING - FOR WATER MAIN, INCL SUPPORT HANGERS, BALL JOINTS AND SWAY STRUT ASSEMBLE (FOR PIPE ON BRIDGE)	LF	387 ✓	\$350.00	\$135,450.00
670-8050	DOUBLE STRAP SADDLE	EA	9 ✓	\$868.00	\$7,812.00
670-9729	REPLACE EXISTING WATER METER AND BOX	EA	9 ✓	\$440.00	\$3,960.00
670-9920	REMOVE EXIST FIRE HYDRANT	EA	3 ✓	\$420.00	\$1,260.00
	0% CONTINGENCY				\$0.00
<b>TOTAL</b>					<b>\$557,450.68</b>

UTILITY LINECODES		UTILITY SYMBOLS	
EXISTING	PROPOSED	EXISTING	PROPOSED
G	Electric	☉	☉
V	Telephone/Communications	☉	☉
E	Water for Labeled Pipe Sizes	☉	☉
R	Sanitary Sewer with Flow Direction	☉	☉
H	Sanitary Sewer with Flow Direction for Labeled Pipe Sizes	☉	☉
E	Electric	☉	☉
A	Water	☉	☉
D	Gas	☉	☉
U	Water for Labeled Pipe Sizes	☉	☉
N	Sanitary Sewer with Flow Direction	☉	☉
H	Sanitary Sewer with Flow Direction for Labeled Pipe Sizes	☉	☉
D	Gas	☉	☉
E	Water	☉	☉
R	Sanitary Sewer with Flow Direction	☉	☉
G	Electric	☉	☉
R	Sanitary Sewer with Flow Direction	☉	☉
O	Gas	☉	☉
U	Water	☉	☉
H	Sanitary Sewer with Flow Direction	☉	☉
D	Gas	☉	☉

GENERAL NOTES:  
 1. ALL WATER MAINS, VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES TO BE DEPICTED ON THIS PLAN SHALL MEET ALL SPECIFICATIONS AND BE INSTALLED ACCORDING TO STANDARD DETAILS.  
 2. EXISTING 8" DIP WATER MAIN SHALL BE REPLACED BY 12" DIP WATER MAIN. THE EXISTING 8" WATER MAIN SHALL BE ABANDONED TO PLACE WITH FAVORABLE FILL. THE EXISTING 8" WATER MAIN SHALL BE ABANDONED TO PLACE WITH FAVORABLE FILL. THE EXISTING 8" WATER MAIN SHALL BE ABANDONED TO PLACE WITH FAVORABLE FILL.  
 3. EXISTING 8" DIP WATER MAIN SHALL BE REPLACED BY 12" DIP WATER MAIN. THE EXISTING 8" WATER MAIN SHALL BE ABANDONED TO PLACE WITH FAVORABLE FILL. THE EXISTING 8" WATER MAIN SHALL BE ABANDONED TO PLACE WITH FAVORABLE FILL.  
 4. WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET.  
 5. PORTABLE WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET. PORTABLE WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET. PORTABLE WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET.  
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 7. PORTABLE WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET. PORTABLE WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET. PORTABLE WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET.  
 8. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAINS WITH AN APPROPRIATE METER AND RECORD THE LOCATION OF ALL EXISTING WATER MAINS AND RECORD THE LOCATION OF ALL EXISTING WATER MAINS.  
 9. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAINS WITH AN APPROPRIATE METER AND RECORD THE LOCATION OF ALL EXISTING WATER MAINS AND RECORD THE LOCATION OF ALL EXISTING WATER MAINS.  
 10. PROVIDE ALL RELIEF VALVES AT HIGH POINTS OF WATER MAINS PER DETAIL W-417 PER DETAIL W-417.  
 11. A TYPED AND SIGNED CERTIFICATE IS REQUIRED AS ALL CONTRACTORS VERIFY EXISTING WATER MAINS AND RECORD WATER MAINS. PER DETAIL W-417 PER DETAIL W-417.  
 12. SERVICE LINES SHALL BE 1' HIGH COVER FOR RESIDENTIAL PROPERTIES.  
 13. WATER MAINS SHALL BE 1' HIGH COVER FOR RESIDENTIAL PROPERTIES.



**LCU Engineering**  
INCORPORATED

REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF ROAD DESIGN <b>GENERAL NOTES AND LEGEND</b> WATER MAIN REPLACEMENT
	1-205 AT SR 155/FLAT SHOALS STA. 23+50 TO STA. 47+00
	44-001

PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

5' MAINTENANCE EASEMENT

8' EASEMENT FOR CONSTR OF Ditches

## SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNITS		ITEM NO.	DESCRIPTION	UNITS		ITEM NO.	DESCRIPTION	UNITS	
		LF	EA			LF	EA			LF	EA
44-003	STA. 23+00 TO 24+00	660	0	670-1000	REMOVE FIRE - 8 IN	LF	660	670-1000	REMOVE FIRE - 8 IN	LF	660
44-004	STA. 24+00 TO 25+00	715	0	670-1000	REMOVE FIRE - 8 IN	LF	715	670-1000	REMOVE FIRE - 8 IN	LF	715
44-005	STA. 26+00 TO 41+00	587	0	670-1000	REMOVE FIRE - 8 IN	LF	587	670-1000	REMOVE FIRE - 8 IN	LF	587
44-006	STA. 41+00 TO 47+00	740	0	670-1000	REMOVE FIRE - 8 IN	LF	740	670-1000	REMOVE FIRE - 8 IN	LF	740
<b>TOTAL</b>		<b>2682</b>	<b>0</b>				<b>2682</b>				<b>2682</b>

## DETAILED ESTIMATE

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
670-0950	REMOVE FIRE - 8"	LF	2682
670-1000	WATER MAIN, 8 INCH DIP WITH RESTRAINED JOINTS	LF	2343
670-1900	INLINE PLUG, 8 IN	EA	8
670-2000	GATE VALVE, 8 IN	EA	9
670-3015	TAPPING SLERVE AND VALVE ASSEMBLY, 8 IN X 8 IN	EA	5
670-4000	FIRE HYDRANT	EA	7
670-5000	WATER SERVICE LINE, 3/4 IN	LF	740
670-6730	RELOCATE EXISTING WATER METER, INCL BOX	EA	10
670-6900	REMOVE EXIST FIRE HYDRANT	EA	3
670-7300	LINE STOP, 8 IN	EA	4
670-8000	BLOW-OFF ASSEMBLY, COMPLETE	EA	4
500-3000	CLASS A CONCRETE	CY	18
600-0001	FLOWABLE FILL	CY	29
670-2000	VALVE WARDER	EA	7
670-1000	WATER MAIN 8" DIP WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASMENT	LF	200
670-4050	DOUBLE STRAP SADDLE, 3"	EA	10
670-7000	STEEL CASING, 18 IN	LF	347
670-1000	CUT AND PLUG EXISTING WATER MAIN	EA	5



**SUMMARY OF QUANTITIES**

ITEM DESCRIPTION	PAY ITEM	UNITS		QUANTITY	UNITS	QUANTITY	UNITS	QUANTITY	UNITS	QUANTITY	UNITS	QUANTITY
		LF	EA									
REMOVE PIPE - 8 IN	510-0859	LF	EA	2005	EA	2005	EA	2005	EA	2005	EA	2005
WATER MAIN, 8 IN. DIP WITH RESTRAINED JOINTS	570-1000	LF	EA	2005	EA	2005	EA	2005	EA	2005	EA	2005
INLINE PLUG, 8 IN	570-1910	EA	EA	6	EA	6	EA	6	EA	6	EA	6
GATE VALVE, 8 IN	570-2000	EA	EA	0	EA	0	EA	0	EA	0	EA	0
TAPPING SLEEVE AND VALVE ASSEMBLY, 8 IN 8 IN	570-3016	EA	EA	6	EA	6	EA	6	EA	6	EA	6
FIRE HYDRANT	570-4000	EA	EA	7	EA	7	EA	7	EA	7	EA	7
WATER SERVICE LINE, 3/4 IN	570-5020	LF	EA	700	EA	700	EA	700	EA	700	EA	700
RELOCATE EXISTING WATER METER INCL. BOX	570-7230	EA	EA	10	EA	10	EA	10	EA	10	EA	10
REMOVE EXISTING PNE HYDRANT	570-0820	EA	EA	3	EA	3	EA	3	EA	3	EA	3
LINE STOP, 8 IN	570-1230	EA	EA	3	EA	3	EA	3	EA	3	EA	3
BLOW-OFF COMPLETELY ASSEMBLY	570-2006	EA	EA	2	EA	2	EA	2	EA	2	EA	2
CLASS A CONCRETE	500-0000	CY	EA	28	EA	28	EA	28	EA	28	EA	28
FLOWABLE FILL	500-0001	CY	EA	28	EA	28	EA	28	EA	28	EA	28
VALVE MARKER	570-2002	EA	EA	7	EA	7	EA	7	EA	7	EA	7
WATER MAIN 8 INCH DIP WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASMENT	570-1000	EA	EA	2005	EA	2005	EA	2005	EA	2005	EA	2005
DOUBLE STRAP SADDLE, 3/4 IN	570-0060	EA	EA	10	EA	10	EA	10	EA	10	EA	10
STEEL CASING, 18 IN	570-7000	EA	EA	10	EA	10	EA	10	EA	10	EA	10
CUT AND PLUG EXISTING WATER MAIN	570-1000	EA	EA	10	EA	10	EA	10	EA	10	EA	10
TOTAL				2005		2005		2005		2005		2005

**DETAILED ESTIMATE**

ITEM NO.		DESCRIPTION	UNITS	QUANTITY
510-0859	REMOVE PIPE - 8"	REMOVE PIPE - 8"	LF	2005
570-1000	WATER MAIN, 8" DIP WITH RESTRAINED JOINTS	WATER MAIN, 8" DIP WITH RESTRAINED JOINTS	EA	2005
570-1910	INLINE PLUG, 8 IN	INLINE PLUG, 8 IN	EA	6
570-2000	GATE VALVE, 8 IN	GATE VALVE, 8 IN	EA	0
570-3016	TAPPING SLEEVE AND VALVE ASSEMBLY, 8 IN 8 IN	TAPPING SLEEVE AND VALVE ASSEMBLY, 8 IN 8 IN	EA	6
570-4000	FIRE HYDRANT	FIRE HYDRANT	EA	7
570-5020	WATER SERVICE LINE, 3/4 IN	WATER SERVICE LINE, 3/4 IN	EA	700
570-7230	RELOCATE EXISTING WATER METER, INCL. BOX	RELOCATE EXISTING WATER METER, INCL. BOX	EA	10
570-0820	REMOVE EXISTING PNE HYDRANT	REMOVE EXISTING PNE HYDRANT	EA	3
570-1230	LINE STOP, 8 IN	LINE STOP, 8 IN	EA	3
570-2006	BLOW-OFF COMPLETELY ASSEMBLY	BLOW-OFF COMPLETELY ASSEMBLY	EA	2
500-0000	CONCRETE	CONCRETE	EA	28
500-0001	FLOWABLE FILL	FLOWABLE FILL	EA	28
570-2002	VALVE MARKER	VALVE MARKER	EA	7
570-1000	WATER MAIN 8" DIP WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASMENT	WATER MAIN 8" DIP WITH RESTRAINED JOINTS AND POLYETHYLENE ENCASMENT	EA	2005
570-0060	DOUBLE STRAP SADDLE, 3/4"	DOUBLE STRAP SADDLE, 3/4"	EA	10
570-7000	STEEL CASING, 18 IN	STEEL CASING, 18 IN	EA	10
570-1000	CUT AND PLUG EXISTING WATER MAIN	CUT AND PLUG EXISTING WATER MAIN	EA	10



STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: ROAD DESIGN

**SUMMARY OF QUANTITIES AND DETAILED ESTIMATE**  
 WATER MAIN REPLACEMENT  
 1-285 AT SR 155/FLAT SHOALS  
 STA. 23+50 TO STA. 47+00

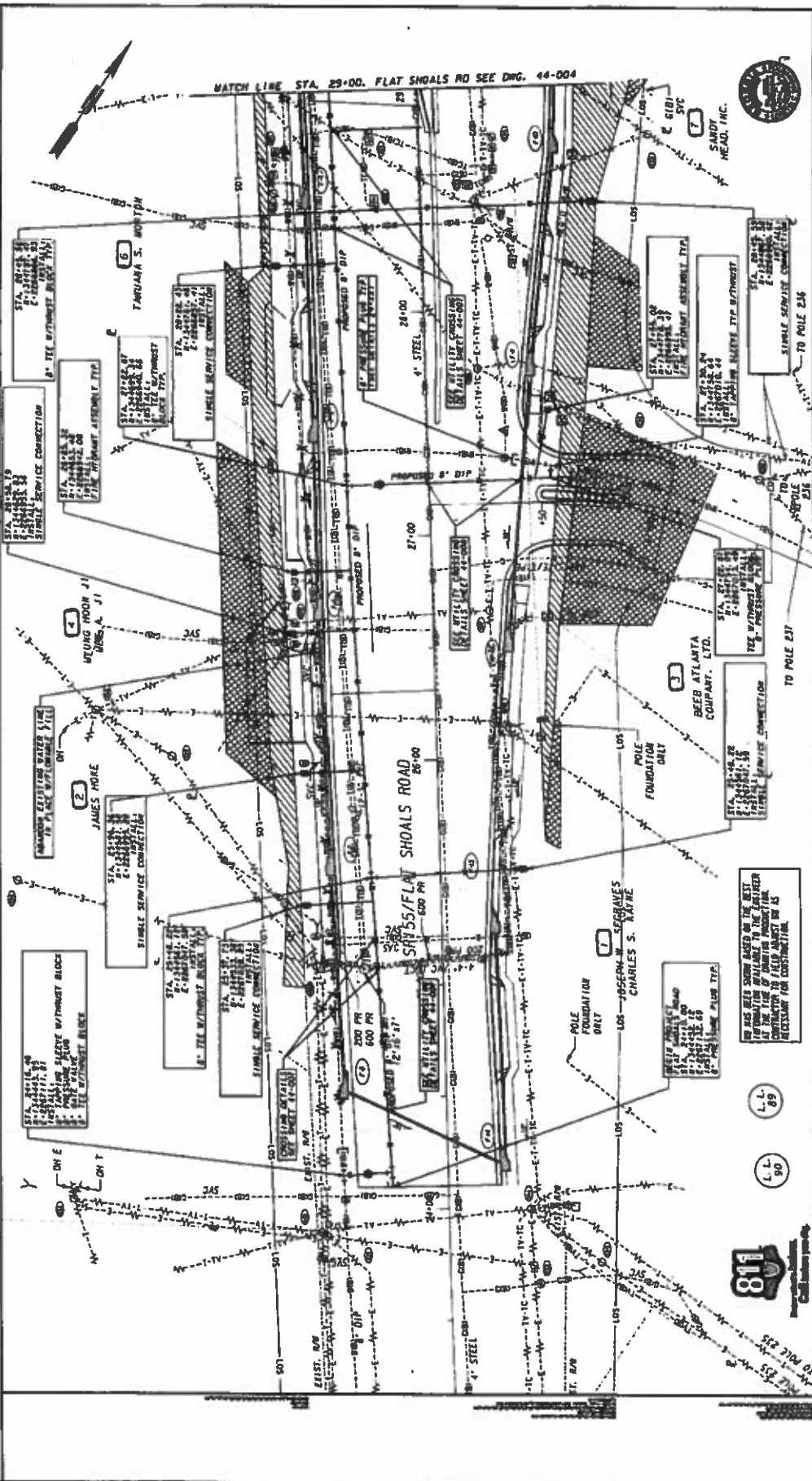
44-002

REVISION DATES

**LEAD Engineering INCORPORATED**

DATE: 07/28/14  
 PROJECT NAME: 44-002

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION  
 OFFICE: ROADWAY DESIGN  
 UTILITY RELOCATION PLANS  
 WATER MAIN REPLACEMENT  
 1-285 AT SR155/FLAT SHOALS ROAD  
 STA. 23+50 TO STA. 29+00



**LEG Engineering**  
 INCORPORATED

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION  
 OFFICE: ROADWAY DESIGN  
 UTILITY RELOCATION PLANS  
 WATER MAIN REPLACEMENT  
 1-285 AT SR155/FLAT SHOALS ROAD  
 STA. 23+50 TO STA. 29+00

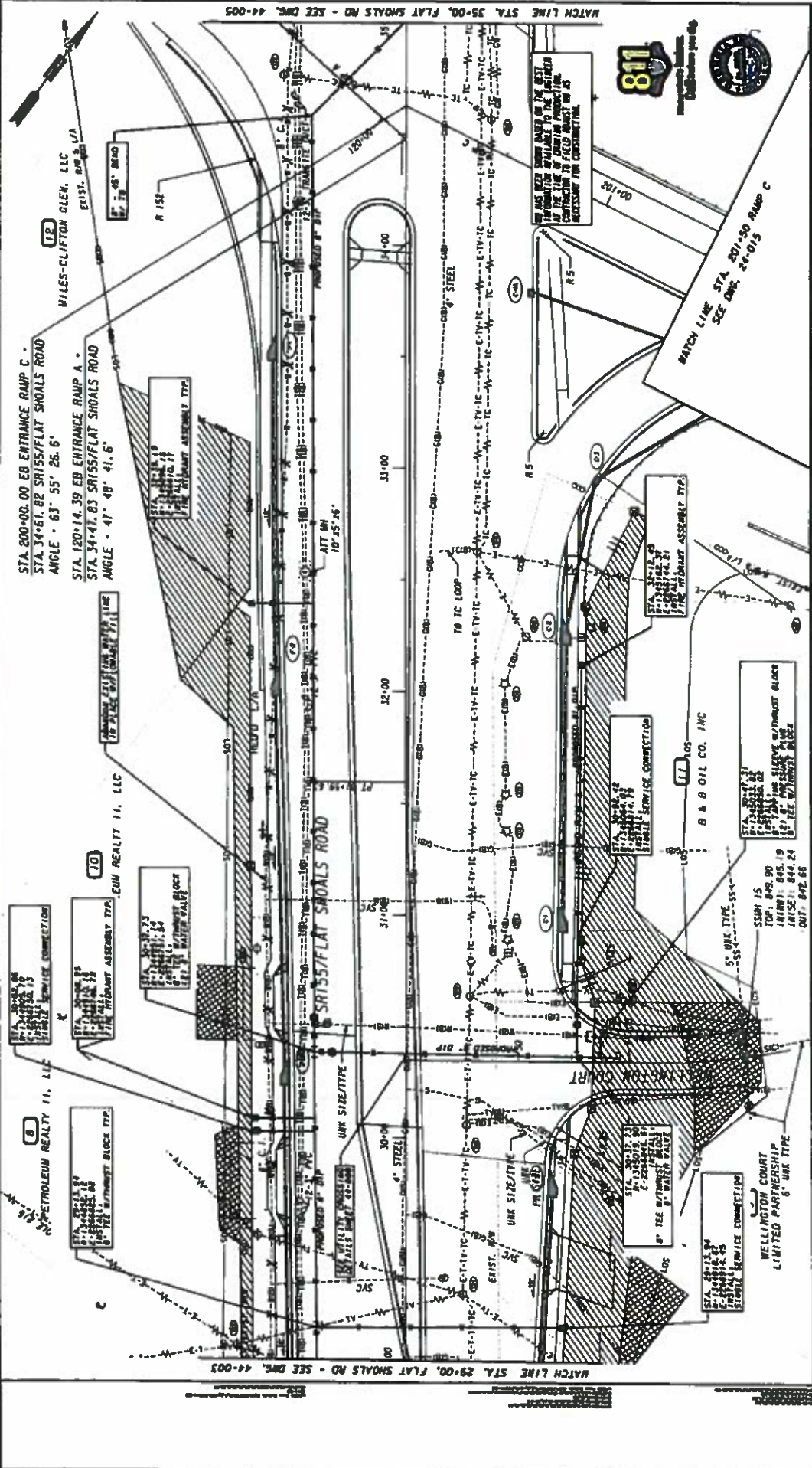
SCALE: 1" = 20'

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

BEGIN LIMIT OF ACCESS  
 END LIMIT OF ACCESS  
 LIMIT OF ACCESS  
 RED'D R/W & LIMIT OF ACCESS

IN THE FIELD WORK BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. CONTINUATION IN FIELD SUBJECT TO AS NECESSARY FOR CONSTRUCTION.

TO POLE 237  
 TO POLE 238



STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: ROADWAY DESIGN  
**UTILITY RELOCATION PLANS**  
**WATER MAIN REPLACEMENT**  
 I-285 AT SR 155/FLAT SHOALS  
 STA. 29+00 TO STA. 35+00

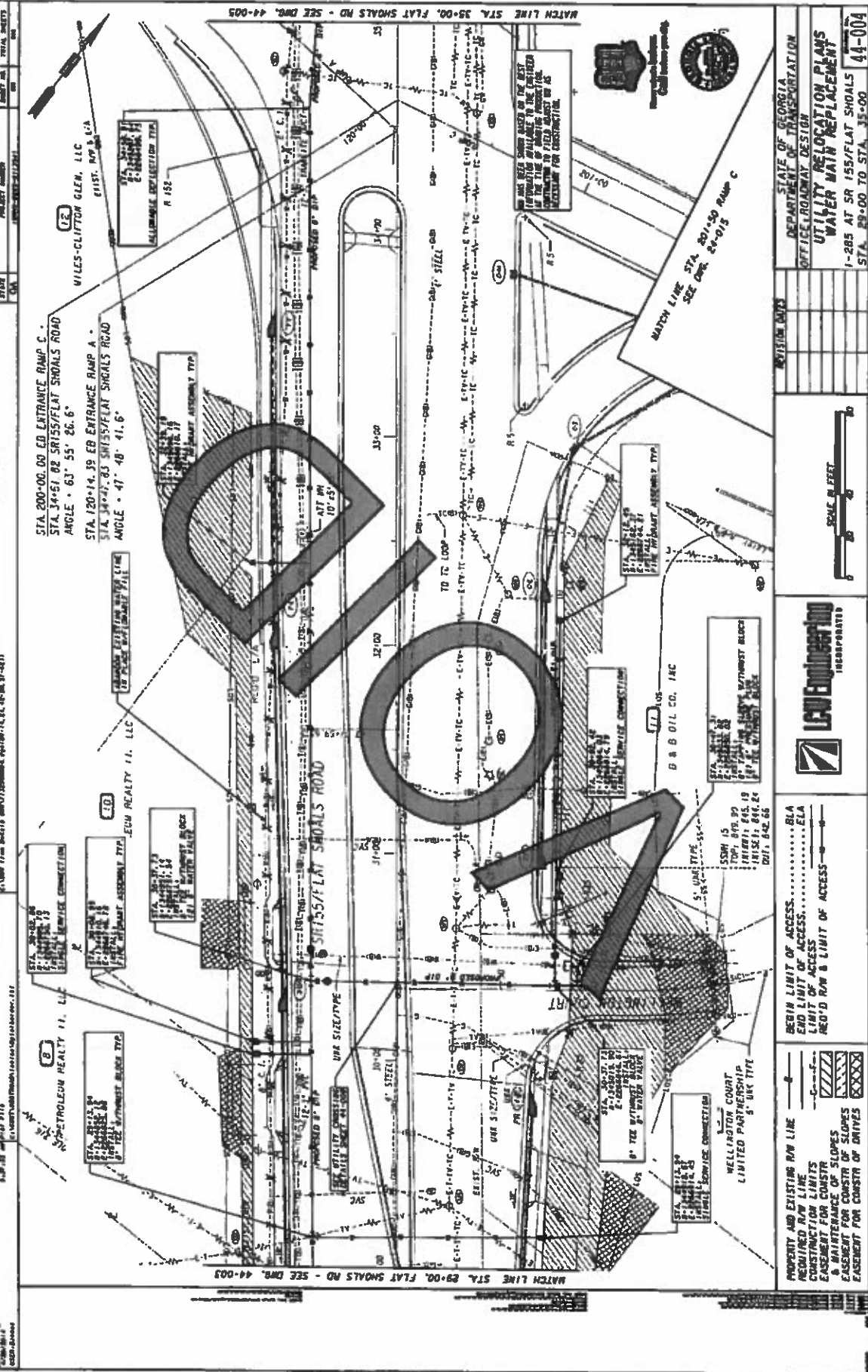
REVISION DATES  
 09/10/10

SCALE: 1" = 40'

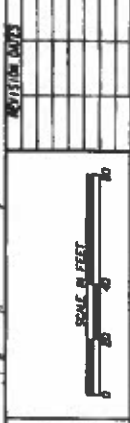
**LEW Engineering**  
 INCORPORATED

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



STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE ROADWAY DESIGN  
**UTILITY RELOCATION PLANS  
 WATER MAIN REPLACEMENT**  
 I-285 AT SR 155/FLAT SHOALS  
 STA. 29+00 TO STA. 35+00



PROPERTY AND EXISTING RW LINE  
 REQUIRED RW LINE  
 EXISTING UTILITIES  
 CONSTRUCTION EASEMENT FOR CONSTRUCTION  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

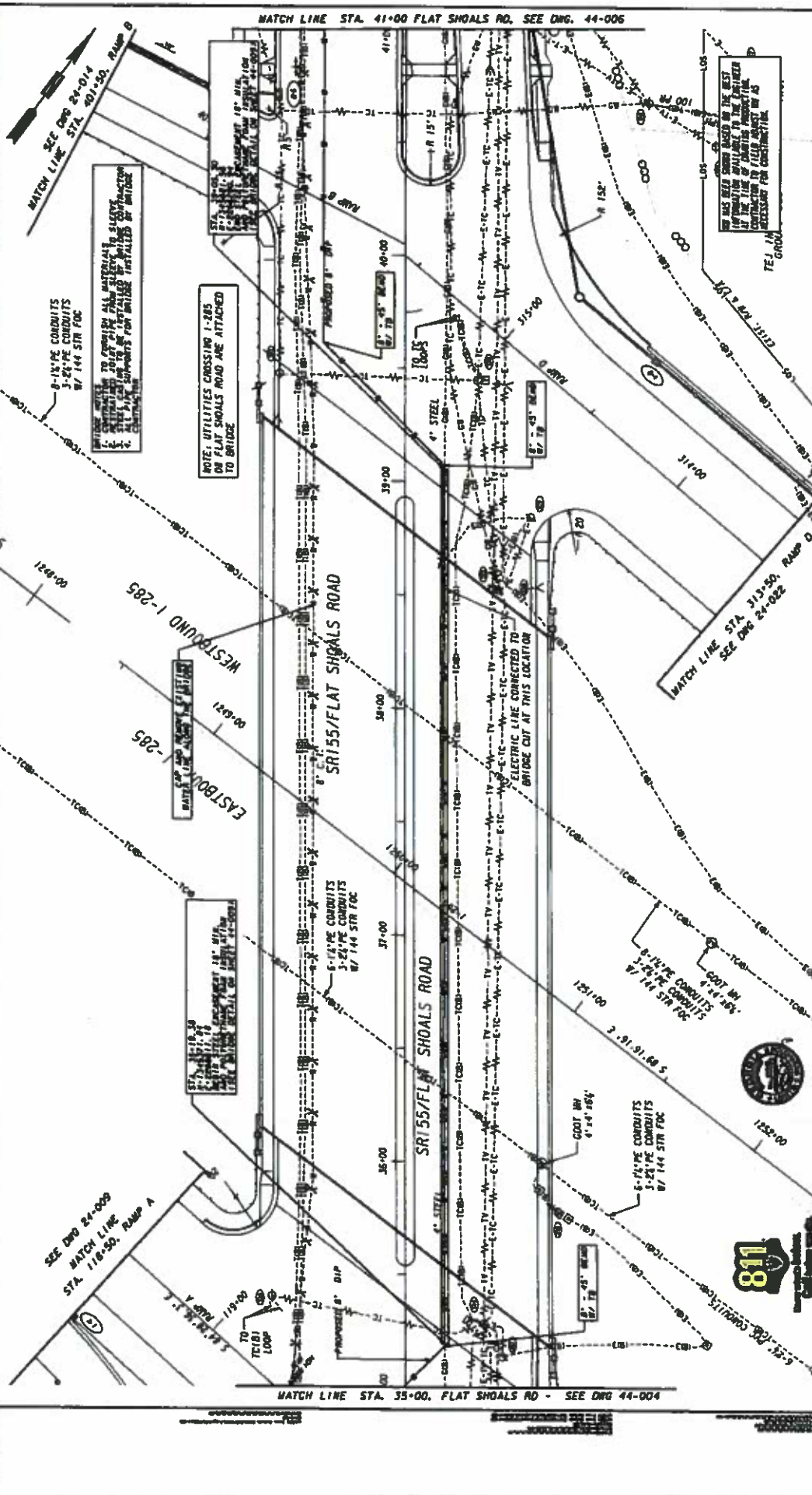
BEYOND LIMIT OF ACCESS.....BLA  
 LIMIT OF ACCESS.....ELA  
 BEYOND ROW & LIMIT OF ACCESS.....

STA. 200+00.00 EB ENTRANCE RAMP C.  
 STA. 34+61.82 SR155/FLAT SHOALS ROAD  
 ANGLE = 63° 55' 26.6"  
 STA. 120+14.39 EB ENTRANCE RAMP A.  
 STA. 34+77.83 SR155/FLAT SHOALS ROAD  
 ANGLE = 47° 48' 41.6"

THIS DRAWING IS TO BE USED AS A GUIDE ONLY. THE USER ASSUMES ALL LIABILITY FOR THE USE OF THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND EASEMENTS FROM THE APPLICABLE AGENCIES.



PROJECT NO. **SR155/FLAT SHOALS**  
 SHEET NO. **44-005**  
 STATE **GA**  
 COUNTY **DEKALB**  
 PROJECT NAME **SR155/FLAT SHOALS**



MATCH LINE STA. 41+00 FLAT SHOALS RD. SEE DNG. 44-006  
 MATCH LINE STA. 35+00 FLAT SHOALS RD - SEE DNG 44-004

**811**  
 CALL BEFORE YOU DIG  
 811-GA

**ICW Engineering Inc.**  
 INCORPORATED

**SCALE IN FEET**  
 1" = 40'

REVISION NUMBER	DESCRIPTION
1	ISSUED

**STATE OF GEORGIA**  
**DEPARTMENT OF TRANSPORTATION**  
**OFFICE ROADWAY DESIGN**  
**UTILITY RELOCATION PLANS**  
**WATER MAIN REPLACEMENT**  
 1-285 AT SR 155/FLAT SHOALS  
 STA. 35+00 TO STA. 41+00 **44-005**

BEGIN LIMIT OF ACCESS.  
 END LIMIT OF ACCESS.  
 LIMIT OF ACCESS.  
 ROAD R/W & LIMIT OF ACCESS.

PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENTS FOR LEGS SLOPES  
 EASEMENT FOR CENTER OF SLOPES  
 EASEMENT FOR CENTER OF DRIVES

SEE DNG 24-009  
 MATCH LINE STA. 118+50, RAMP A

SEE DNG 24-022  
 MATCH LINE STA. 313+50, RAMP B

MATCH LINE STA. 41+00 FLAT SHOALS RD. SEE DNG. 44-006

MATCH LINE STA. 35+00 FLAT SHOALS RD - SEE DNG 44-004

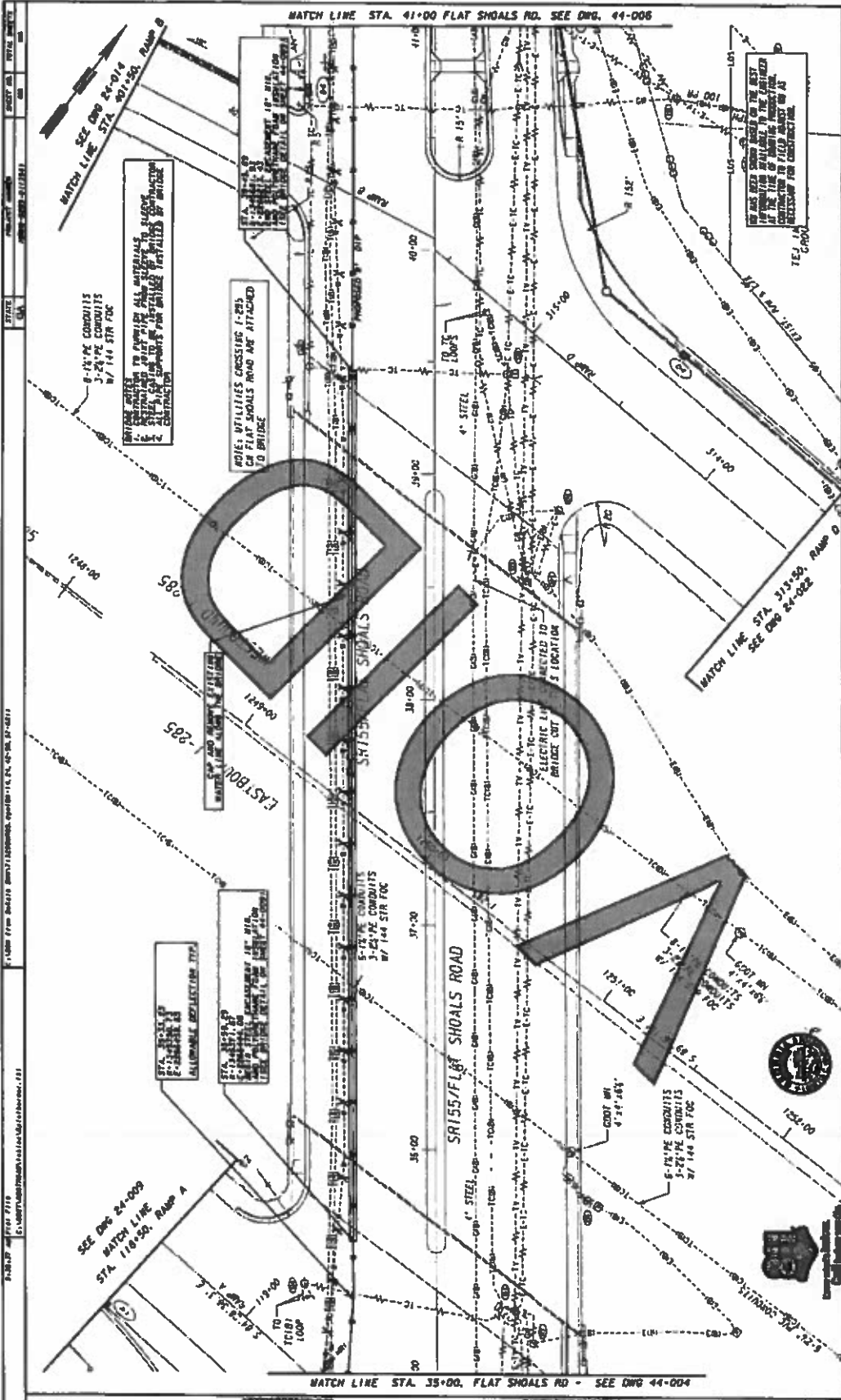
EASTBOUND -285  
 WESTBOUND -285  
 SR155/FLAT SHOALS ROAD  
 SR155/FLAT SHOALS ROAD

NOTE: UTILITIES CROSSING 1-285 ON FLAT SHOALS ROAD ARE ATTACHED TO BRIDGE

NOTE: UTILITIES CROSSING 1-285 ON FLAT SHOALS ROAD ARE ATTACHED TO BRIDGE

I-285 TO BE COMPLETED BY THE STATE OF GEORGIA  
 ALL PIPE SUPPORTS TO BE INSTALLED BY CONTRACTOR

THIS WAS BEEN DONE BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED FOR THE CONSTRUCTION.



**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION**  
 OFFICE/ROADWAY DESIGN  
 UTILITY RELOCATION PLANS  
 WATER MAIN REPLACEMENT  
 I-285 AT SR 155/FLAT SHOALS  
 STA. 35+00 TO STA. 41+00  
 44-005

**LEGEND:**

- PROPERTY AND EXISTING R/W LINE
- REQUIRED R/W LINE
- CONSTRUCTION LIMITS
- EASEMENT FOR CONSTR
- EASEMENT FOR CONSTR
- 8' MAINTENANCE OF SLOPES
- EASEMENT FOR CONSTR OF DRIVES
- BEGIN LIMIT OF ACCESS
- END LIMIT OF ACCESS
- BLA LIMIT OF ACCESS
- EIA LIMIT OF ACCESS
- REQ'D ROW & LIMIT OF ACCESS

**SCALE:** 1" = 20' FT

**NOTES:**

- 8" 150# PE COCONITS 3'-24" PE COCONITS W/ 144 STR FOC
- 9" 150# PE COCONITS 3'-24" PE COCONITS W/ 144 STR FOC
- CONTRACTOR TO VERIFY ALL UTILITIES AND PROVIDE EXISTING UTILITY RECORDS TO SUBMITTER FOR REVIEW BY CONTRACTOR. CONTRACTOR TO VERIFY ALL UTILITIES AND PROVIDE EXISTING UTILITY RECORDS TO SUBMITTER FOR REVIEW BY CONTRACTOR.
- NOTE: UTILITIES CROSSING (1-28) CH FLAT SHOALS ROAD ARE ATTACHED TO BRIDGE
- 4" STEEL TO BE SET TO BRIDGE
- 5' 75# PE COCONITS 3'-24" PE COCONITS W/ 144 STR FOC
- 5'-12" PE COCONITS 3'-24" PE COCONITS W/ 144 STR FOC
- 4" STEEL TO BE SET TO BRIDGE
- ELECTRIC LINE TO BE RELOCATED TO BRIDGE
- CONTRACTOR TO VERIFY ALL UTILITIES AND PROVIDE EXISTING UTILITY RECORDS TO SUBMITTER FOR REVIEW BY CONTRACTOR.
- CONTRACTOR TO VERIFY ALL UTILITIES AND PROVIDE EXISTING UTILITY RECORDS TO SUBMITTER FOR REVIEW BY CONTRACTOR.

**MATCH LINE STA. 41+00 FLAT SHOALS RD. SEE DWG. 44-006**

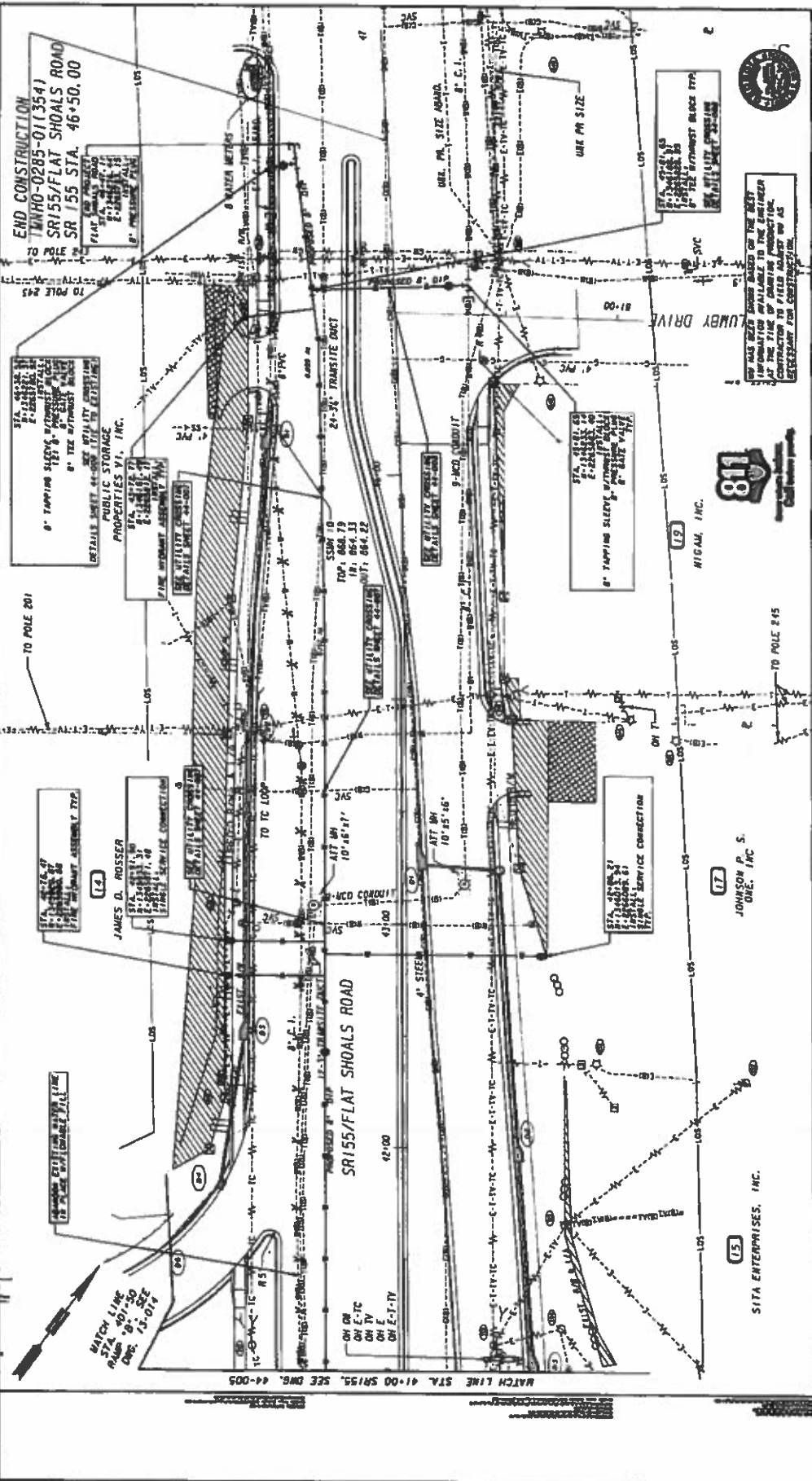
**MATCH LINE STA. 35+00, FLAT SHOALS RD - SEE DWG 44-004**

**SEE DWG 21-009 MATCH LINE STA. 110+50, RAMP A**

**SEE DWG 21-014 MATCH LINE STA. 301+50, RAMP B**

**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE/ROADWAY DESIGN UTILITY RELOCATION PLANS WATER MAIN REPLACEMENT I-285 AT SR 155/FLAT SHOALS STA. 35+00 TO STA. 41+00 44-005**

PROJECT NUMBER: SR 155/FLAT SHOALS ROAD  
 SHEET NO: 44-006  
 TOTAL SHEETS: 44-006



**STATE OF GEORGIA**  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: ROADWAY DESIGN  
**UTILITY RELOCATION PLANS**  
**WATER MAIN REPLACEMENT**  
 SR 155/FLAT SHOALS ROAD  
 STA. 41+00 TO 47+00

**REVISION INDEX**

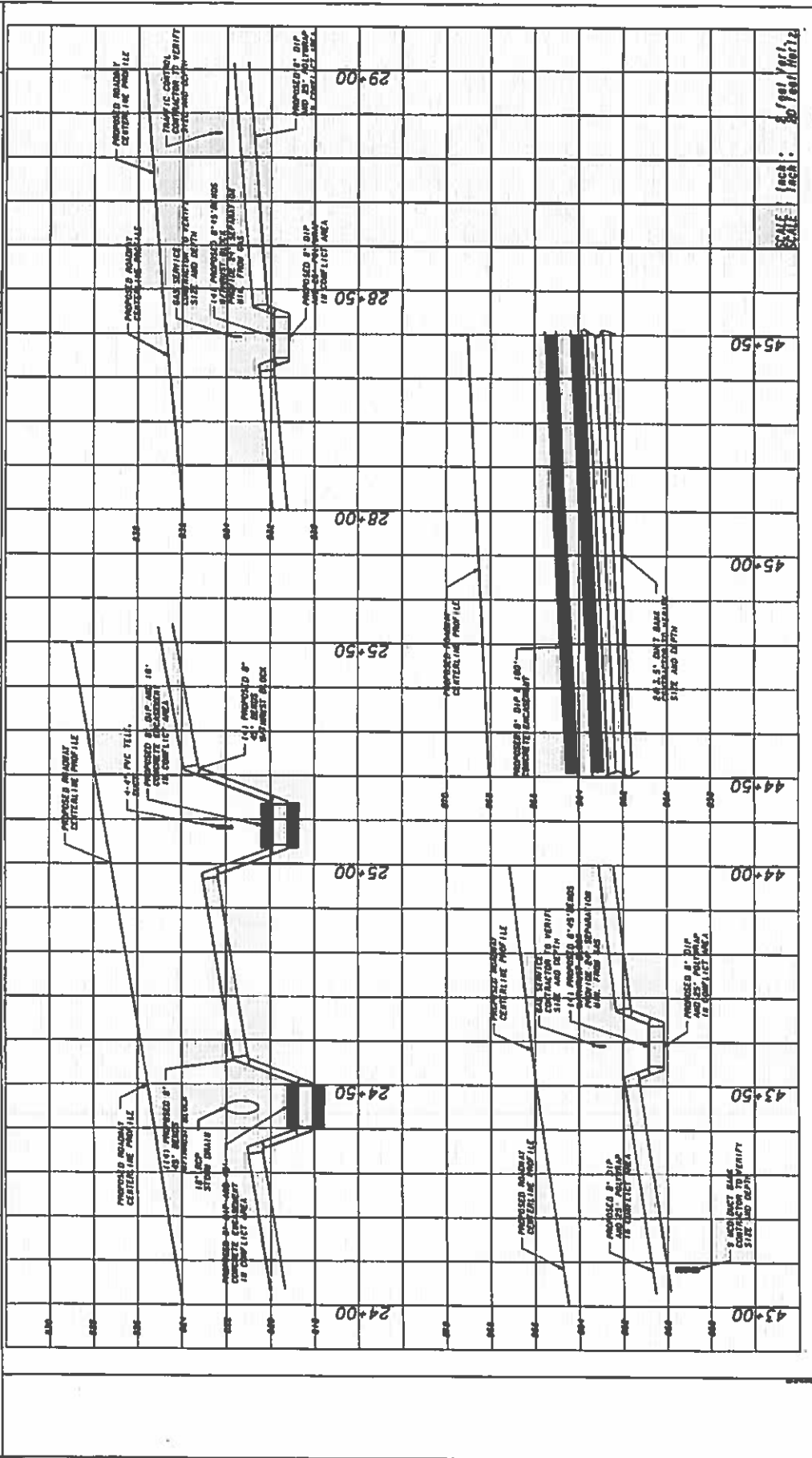

**SCALE IN FEET**  
 1" = 20'

**LEG ENGINEERING INC.**  
 INCORPORATED

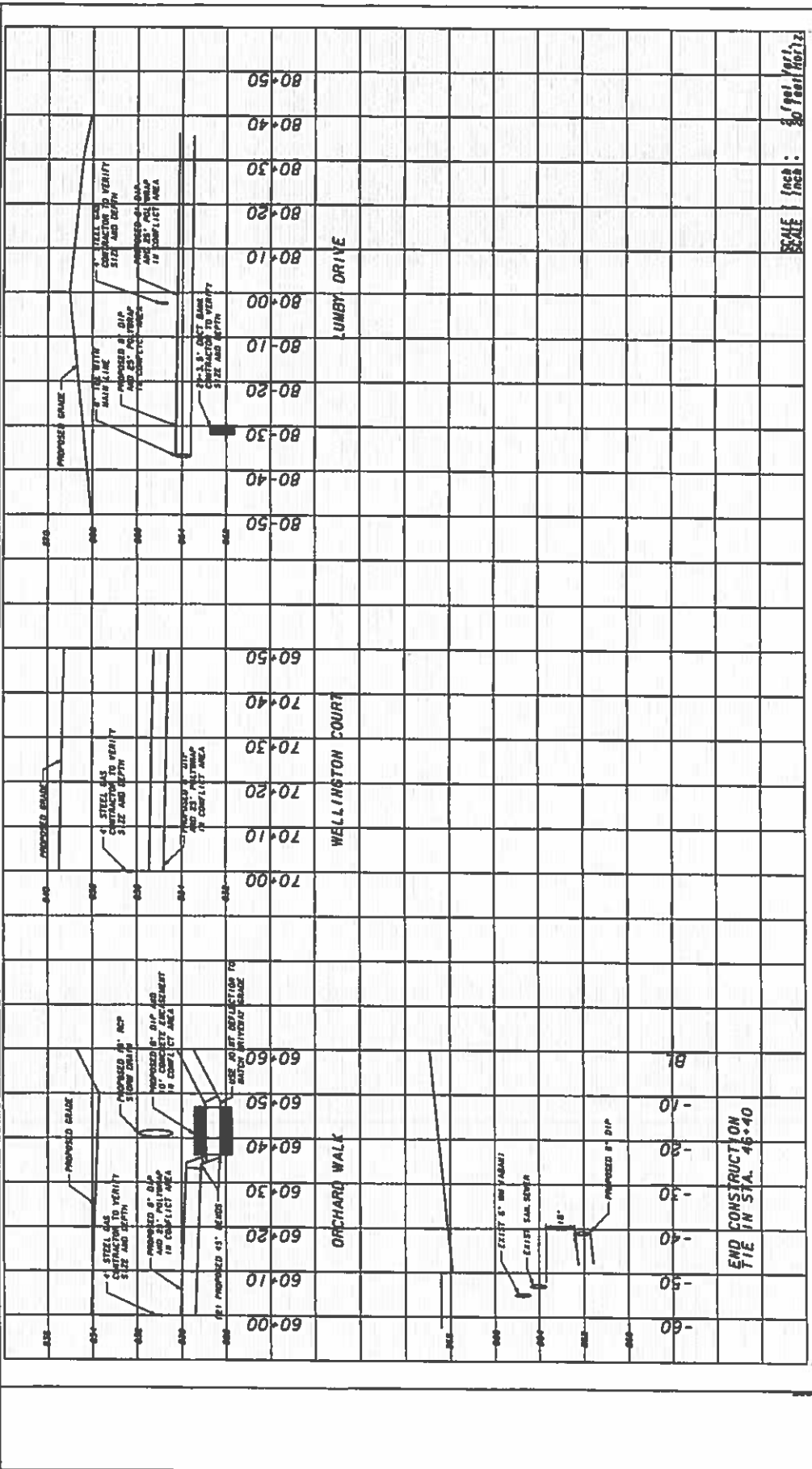
**PROPERTY AND EXISTING R/W LINE**  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR COST SLOPES  
 EASEMENT FOR CONSTR. OF SLOPES  
 EASEMENT FOR CONSTR. OF DRAINS

**LEGEND:**  
 BEGIN LIMIT OF ACCESS  
 LIMIT OF ACCESS  
 END LIMIT OF ACCESS  
 BEGIN R/W & LIMIT OF ACCESS  
 END R/W & LIMIT OF ACCESS

**NOTES:**  
 1. ALL UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION.  
 2. THE FIELD ENGINEER HAS CONDUCTED VISUAL SURVEYS AND HAS FOUND NO DISCREPANCIES.  
 3. CONTRACTOR TO FIELD VERIFY ALL UTILITIES AND RECORD AS NECESSARY FOR CONSTRUCTION.



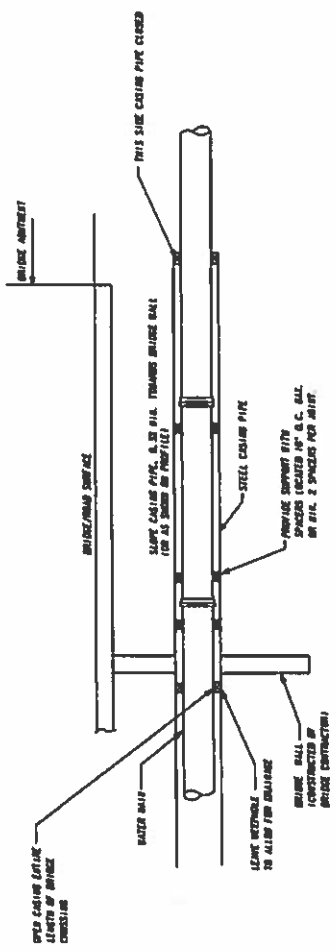
**SCALE** 1" = 20' Vert. / 1" = 20' Horiz.  
**REVISION DATES**  
  
**STATE OF GEORGIA**  
**DEPARTMENT OF TRANSPORTATION**  
**OFFICE OF ROAD DESIGN**  
**CONFLICT DETAILS**  
**WATER MAIN REPLACEMENT**  
**1-205 AT SR 155/FLAT SHOALS 44-007**



DEPARTMENT OF TRANSPORTATION  
 OFFICE OF ROAD DESIGN  
 CONFLICT DETAILS  
 WATER MAIN REPLACEMENT  
 I-285 AT SR 155/FLAT SHOALS 44-008







- NOTES:
- CASING TO BE INSTALLED DURING THE BRIDGE CONSTRUCTION.
  - SEE WATER MAIN THROUGH CASING WITH CASING SPACERS.
  - WATER MAIN TO BE CONFORMED TO BRIDGE PER COST SPECIFICATIONS OR AS OTHERWISE NOTED ON THIS PLAN SET.

**SECTION: CASING PIPE FOR BRIDGE DETAIL**

REVISION DATES <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>											STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: ROAD DESIGN <b>WATER MAIN BRIDGE DETAIL</b> DRAWING NO. <b>44-010</b>
 <b>LSW Engineering</b> INCORPORATED	SCALE: AS NOTED										