

## City of Pascagoula ARPA Project Information Sheet

Project Name: Water System Improvements – Eastlawn and Pinecrest Subdivisions

Project Description: The project consists of the replacement of waterlines in the Eastlawn and Pinecrest Subdivisions in Pascagoula, MS. Specifically, the project would replace the existing waterlines between 8<sup>th</sup> Street and 14<sup>th</sup> Street between Taylor Avenue and Ingalls Avenue (Eastlawn) and the waterlines between Fernwood Street and Dogwood Street between Pinewood Avenue and Redwood Avenue (Pinecrest). The project also includes the installation of new fire hydrant assemblies throughout both subdivisions.

Project Justification: The project area is currently served by undersized transite waterlines. These waterlines are a source of regular line breaks in the Pascagoula water distribution system, requiring a substantial amount of maintenance in order to maintain service in these subdivisions. Additionally, the waterlines are currently located in alleyways behind the residences, adjacent to existing gravity sewer mains. These conditions further complicate the required maintenance of these waterlines. The project would relocate the waterlines to the street-side of the residences, within the ROW outside of the asphalt. This will allow easier maintenance of these lines in the future. The project also improves the fire protection in these subdivisions, as these areas do not currently have sufficient hydrant spacing or adequate flow to provide effective fire protection.

Project Cost: The estimated construction cost for the proposed improvements in this project is **\$3,000,000.00**. A detailed engineer's estimate is attached as Appendix A. The proposed cost sharing structure is as follows:

- City of Pascagoula Share: \$750,000.00
- Jackson County Share: \$750,000.00
- MCWI Grant Program Share: \$1,500,000.00

ENGINEER'S ESTIMATE					
June 29, 2022					
ENTITY: City of Pascagoula			DEPT/PROJECT TYPE: Waterline Replacement		
PROJECT NAME: Eastlawn Subdivision and Pinecrest Park Subdivision Waterline Improvements			JOB NO: 218-049.024		
PROJECT FUNDING: ARPA			PROJECT LOCATION: Eastlawn and Pinecrest Subdivisions, Pascagoula, MS		
DESCRIPTION: Replacement of waterlines in the Eastlawn and Pinecrest Subdivisions. Relocation of waterlines from alleys to ROW.					
CONSTRUCTION ESTIMATE - Schedule 1: Waterline Replacement Eastlawn Subdivision					
Item	Description	Unit	Qty.	Unit Price	Amount
1	Mobilization/Demobilization	LS	1	\$ 100,000.00	\$ 100,000.00
2	Erosion/Sediment Control	LS	1	\$ 10,000.00	\$ 10,000.00
3	Temporary Traffic Control	LS	1	\$ 10,000.00	\$ 10,000.00
4	Construction Survey	LS	1	\$ 10,000.00	\$ 10,000.00
5	Testing	LS	1	\$ 10,000.00	\$ 10,000.00
6	Saw Cut Asphalt/Concrete Pavement (All Thicknesses)	LF	500	\$ 6.00	\$ 3,000.00
7	Asphalt Pavement Removal (All Thicknesses)	SY	250	\$ 12.00	\$ 3,000.00
8	Concrete Pavement Removal (All Thicknesses)	SY	150	\$ 12.00	\$ 1,800.00
9	Curb and Gutter Removal	LF	500	\$ 6.00	\$ 3,000.00
10	Abandon Existing Pipes In Place with Flowable Fill	LF	13,500	\$ 7.50	\$ 101,250.00
11	Undercut and Haul Off	CY	500	\$ 15.00	\$ 7,500.00
12	Sand Pipe Bedding Material	CY	500	\$ 20.00	\$ 10,000.00
13	Import Fill Material	CY	500	\$ 20.00	\$ 10,000.00
14	6" HDPE SDR-11 Water Main (Directional Bore Installation)	LF	1,550	\$ 50.00	\$ 77,500.00
15	8" HDPE SDR-11 Water Main (Directional Bore Installation)	LF	13,250	\$ 65.00	\$ 861,250.00
16	10" HDPE SDR-11 Water Main (Directional Bore Installation)	LF	2,000	\$ 80.00	\$ 160,000.00
17	6" Gate Valve	EA	10	\$ 2,500.00	\$ 25,000.00
18	8" Gate Valve	EA	35	\$ 4,500.00	\$ 157,500.00
19	10" Gate Valve	EA	6	\$ 6,000.00	\$ 36,000.00
20	6" Hot Tap and Valve	EA	5	\$ 5,000.00	\$ 25,000.00
21	8" Hot Tap and Valve	EA	5	\$ 7,500.00	\$ 37,500.00
22	10" Hot Tap and Valve	EA	2	\$ 8,500.00	\$ 17,000.00
23	Fire Hydrant Assembly Complete	EA	25	\$ 6,000.00	\$ 150,000.00
24	1" Water Service Short (to include corp stop, service tubing, meter box and all materials up to ROW line)	EA	100	\$ 750.00	\$ 75,000.00
25	1" Water Service Long (to include corp stop, service tubing, meter box and all materials up to ROW line)	EA	85	\$ 1,200.00	\$ 102,000.00
26	1" Polyethylene Water Service Tubing (from ROW line to tie into existing water service location at each property)	LF	15,000	\$ 7.50	\$ 112,500.00
27	Ductile Iron Fittings	LBS	6,000	\$ 10.00	\$ 60,000.00
28	Asphalt Road Repair (2" Surface, 4" Black Base, 6" Crushed Limestone)	SY	150	\$ 150.00	\$ 22,500.00
29	Concrete Drive Repair (4" Concrete, 4" Crushed Limestone)	SY	150	\$ 150.00	\$ 22,500.00
30	Asphalt Drive Repair (2" Surface, 4" Crushed Limestone)	SY	50	\$ 100.00	\$ 5,000.00
31	Gravel Drive Repair (6" Crushed Limestone)	SY	25	\$ 60.00	\$ 1,500.00
32	Curb and Gutter Repair	LF	500	\$ 40.00	\$ 20,000.00
33	Seed (to include 2" topsoil and fertilizer application)	SY	1,000	\$ 5.00	\$ 5,000.00
34	Sod (to include 2" topsoil and fertilizer application)	SY	5,000	\$ 10.00	\$ 50,000.00
<b>TOTAL SCHEDULE 1:</b>				<b>\$</b>	<b>2,302,300.00</b>

<b>CONSTRUCTION ESTIMATE - Schedule 2: Waterline Replacement Pinecrest Subdivision</b>					
<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Unit Price</b>	<b>Amount</b>
1	Mobilization/Demobilization	LS	1	\$ 20,000.00	\$ 20,000.00
2	Erosion/Sediment Control	LS	1	\$ 5,000.00	\$ 5,000.00
3	Temporary Traffic Control	LS	1	\$ 5,000.00	\$ 5,000.00
4	Construction Survey	LS	1	\$ 5,000.00	\$ 5,000.00
5	Testing	LS	1	\$ 5,000.00	\$ 5,000.00
6	Saw Cut Asphalt/Concrete Pavement (All Thicknesses)	LF	100	\$ 6.00	\$ 600.00
7	Asphalt Pavement Removal (All Thicknesses)	SY	50	\$ 12.00	\$ 600.00
8	Concrete Pavement Removal (All Thicknesses)	SY	50	\$ 12.00	\$ 600.00
9	Curb and Gutter Removal	LF	100	\$ 6.00	\$ 600.00
10	Abandon Existing Pipes In Place with Flowable Fill	LF	2,000	\$ 7.50	\$ 15,000.00
11	Undercut and Haul Off	CY	150	\$ 15.00	\$ 2,250.00
12	Sand Pipe Bedding Material	CY	150	\$ 20.00	\$ 3,000.00
13	Import Fill Material	CY	150	\$ 20.00	\$ 3,000.00
14	6" HDPE SDR-11 Water Main (Directional Bore Installation)	LF	550	\$ 50.00	\$ 27,500.00
15	8" HDPE SDR-11 Water Main (Directional Bore Installation)	LF	1,550	\$ 65.00	\$ 100,750.00
16	6" Gate Valve	EA	2	\$ 2,500.00	\$ 5,000.00
17	8" Gate Valve	EA	3	\$ 4,500.00	\$ 13,500.00
18	6" Hot Tap and Valve	EA	3	\$ 5,000.00	\$ 15,000.00
19	Fire Hydrant Assembly Complete	EA	2	\$ 6,000.00	\$ 12,000.00
20	1" Water Service Short (to include corp stop, service tubing, meter box and all materials up to ROW line)	EA	25	\$ 750.00	\$ 18,750.00
21	1" Water Service Long (to include corp stop, service tubing, meter box and all materials up to ROW line)	EA	25	\$ 1,200.00	\$ 30,000.00
22	1" Polyethylene Water Service Tubing (from ROW line to tie into existing water service location at each property)	LF	7,500	\$ 7.50	\$ 56,250.00
23	Ductile Iron Fittings	LBS	2,000	\$ 10.00	\$ 20,000.00
24	Asphalt Road Repair (2" Surface, 4" Black Base, 6" Crushed Limestone)	SY	50	\$ 150.00	\$ 7,500.00
25	Concrete Drive Repair (4" Concrete, 4" Crushed Limestone)	SY	50	\$ 150.00	\$ 7,500.00
26	Curb and Gutter Repair	LF	100	\$ 40.00	\$ 4,000.00
27	Seed (to include 2" topsoil and fertilizer application)	SY	250	\$ 5.00	\$ 1,250.00
28	Sod (to include 2" topsoil and fertilizer application)	SY	2,000	\$ 10.00	\$ 20,000.00
<b>TOTAL SCHEDULE 2:</b>				<b>\$</b>	<b>404,650.00</b>
<b>TOTAL CONSTRUCTION ESTIMATE:</b>				<b>\$</b>	<b>2,706,950.00</b>

<b>PROFESSIONAL SERVICES</b>			
<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Amount</b>
1	Topographic and Boundary Survey	Lump Sum	\$ 28,000.00
2	Environmental Services	Lump Sum	\$ 7,500.00
2	Professional Design Services	Lump Sum	\$ 126,500.00
3	Services During Construction	Time and Material	\$ 129,500.00
<b>TOTAL PROFESSIONAL SERVICES:</b>			<b>\$ 291,500.00</b>

<b>TOTAL CONSTRUCTION ESTIMATE AND PROFESSIONAL SERVICES:</b>	<b>\$</b>	<b>2,998,450.00</b>
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