

SECTION 00410

BID FORM

WESTERN REGIONAL WATER SYSTEM IMPROVEMENTS, PHASE II

TABLE OF CONTENTS

	Page
Article 1 – Bid Recipient	3
Article 2 – Bidder’s Acknowledgements.....	3
Article 3 – Bidder’s Representations	3
Article 4 – Bidder’s Certification	4
Article 5 – Basis of Bid.....	5
Article 6 – Time of Completion.....	13
Article 7 – Attachments to this Bid.....	13
Article 8 – Defined Terms	13
Article 9 – Bid Submittal	14

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SECTION 00410**BID FORM****WESTERN REGIONAL WATER SYSTEM IMPROVEMENTS, PHASE 1****ARTICLE 1 – BID RECIPIENT**

1.01 This Bid is submitted to:

Jackson County Utility Authority, 1225 Jackson Avenue, Pascagoula, Mississippi 39567

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Date</u>
<u>1</u>	<u>1.5.22</u>
<u>2</u>	<u>1.10.22</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the

Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices

at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

- E. The Laws and Regulations of Jackson County, State of Mississippi, and the United States of America apply to this work.

ARTICLE 5 – BASIS OF BID

- 5.01 Base Bid consists of the work shown on sheets C1.01 to C1.11. The work lays along Seaman Rd. The project consists of approximately 16,500 feet of 12" waterline with appurtenances.
- 5.02 Bid Alternate 1 consists of the work shown on Sheets C2.01 to C2.10. The work lays along Antioch Rd. The project consists of approximately 14,650 feet of 8" waterline
- 5.03 Bid Alternate 2 consists of the work shown on Sheets C3.01 to C3.06. The work runs 3,700 feet North along the drainage ditch between to Hwy 90 and the Mississippi Power Company Right of Way, then 3,950 feet East along the Northern boundary of the Mississippi Power Company Right of Way. The work consists of approximately 7,650 feet of 12" waterline with appurtenances.
- 5.04 Bid Alternate 3 consists of the work shown on Sheets C4.01 to C4.05. The work lays along Fountainbleau Rd. The project consists of approximately 7,260 feet of 12" waterline.
- 5.06 Per Section 00200, the contract is to be awarded to the lowest, responsive, qualified bidder based on the base bid and any Alternate Bid Items selected by the owner. Bids may be rejected as per Section 00200 Instruction to Bidders.
- 5.08 The Bid Schedule below will be incorporated into the AGREEMENT per Section 9 - CONTRACT DOCUMENTS
- 5.07 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

BASE BID: The base bid consists of the following: Sheets C1.01 through C1.11.

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
1	Mobilization / Demobilization	1	LS	76,000-	76,000-
2	Traffic Control and Maintenance, as required to facilitate construction of the Project in accordance with the Project Plans and Specifications	1	LS	25,000-	25,000-
3	Erosion Control / SWPPP Maintenance				
3.1	Erosion Control / SWPPP Maintenance (Roadside)	2	AC	8,500-	17,000-
4	Clearing and Grubbing				
4.1	Clearing and Grubbing (Roadside)	2	AC	5,000-	10,000-
5	Seeding, Fertilizing, and Mulching				
5.1	Seeding, Fertilizing, and Mulching (Roadside)	2	AC	2,500-	5,000-
6	Contingency Bid Item for Miscellaneous Concrete, Cast in Place, in accordance with the Plans and Specifications	25	CY	1,200-	30,000-
7	Driveway Repair, Complete, in accordance with Project Plans and Specifications				
7.1	Asphalt Driveway	25	SY	125-	3,125-
7.3	Unpaved Driveway	25	SY	55-	1,375-
8	Remove and replace culvert in conflict with project alignment, Complete, in accordance with Project Plans and Specifications				
8.2	15-inch Reinforced Concrete Pipe	35	LF	46-	1,610-
8.3	18-inch Reinforced Concrete Pipe	40	LF	49-	1,960-
8.4	24-inch Reinforced Concrete Pipe	15	LF	70-	1,050-
10	Furnish and Install Potable Water Pressure Main, Complete, in accordance with Project Plans and Specifications				
10.3	6" PVC Pipe, Open Cut	25	LF	31-	775-
10.5	12" Ductile Iron Pipe, Open Cut	1440	LF	65-	93,600-
10.6	12" PVC Pipe, Open Cut	14,710	LF	59-	867,890-
10.9	14" HDPE, Horizontal Directional Drill	350	LF	150-	52,500-
11	Furnish and install Potable Water Pressure Main in Steel Casing, Complete, in accordance with Project Plans and Specifications				

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
11.3	12" Steel Casing, 6" PVC Carrier Pipe, Jack and Bore	50	LF	250-	12,500-
11.5	24" Steel Casing, 12" PVC Carrier Pipe, Jack and Bore	150	LF	450-	67,500-
12	Furnish and install Gate Valve assembly, Complete, in accordance with Project Plans and Specifications				
12.1	12" Gate Valve	18	EA	3,335-	60,030-
12.3	6" Gate Valve	1	EA	1,475	1,475-
13	Furnish and Install Fire Hydrant Assembly, Complete, in accordance with Project Plans and Specifications – 12" Water Main	16	EA	5,725-	91,600-
15	Service Connection Assembly – Water				
15.2	Service Connection Assembly – Water (Long Side)	4	EA	1,925-	7,700-
16	Ductile Iron Fittings	6,500	LBS	11 ²⁵	73,125-
17	Air Valve and Vault (Air Release/Vacuum)	7	EA	3,900-	27,300-
18	Sample Station	3	EA	1,550	4,650-
19	Unsuitable Soils	2,500	CY	13 ⁵⁰	33,750-
20	Select Bedding	400	CY	22-	8,800-
21	Select Backfill	2,100	CY	19-	39,900-
24	Dewatering				
24.1	Trench Dewatering	4,845	LF	8-	38,760-
24.2	Pit Dewatering	6	EA	2,000-	12,000-

BID ALTERNATE 1: Bid Alternate 1 consists of the following: Sheets C2.01 through C2.10.

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
A1	Mobilization / Demobilization	1	LS	71,000-	71,000-
A2	Traffic Control and Maintenance, as required to facilitate construction of the Project in accordance with the Project Plans and Specifications	1	LS	25,000-	25,000-
A3	Erosion Control / SWPPP Maintenance				

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
A3.1	Erosion Control / SWPPP Maintenance (Roadside)	2	AC	8,500-	17,000-
A4	Clearing and Grubbing				
A4.1	Clearing and Grubbing (Roadside)	2	AC	5,000-	10,000-
A5	Seeding, Fertilizing, and Mulching				
A5.1	Seeding, Fertilizing, and Mulching (Roadside)	2	AC	2,500-	5,000-
A6	Contingency Bid Item for Miscellaneous Concrete, Cast in Place, in accordance with the Plans and Specifications	25	CY	1,200-	30,000-
A7	Driveway Repair, Complete, in accordance with Project Plans and Specifications				
A7.1	Asphalt Driveway	60	SY	125-	7,500-
A7.2	Concrete Driveway	60	SY	125-	7,500-
A7.3	Unpaved Driveway	270	SY	55-	14,850-
A8	Remove and replace culvert in conflict with project alignment, Complete, in accordance with Project Plans and Specifications				
A8.1	12-inch Reinforced Concrete Pipe	45	LF	45-	2,025-
A8.2	15-inch Reinforced Concrete Pipe	70	LF	44-	3,080-
A8.4	24-inch Reinforced Concrete Pipe	30	LF	70-	2,100-
A8.6	36-inch RCAP	15	LF	150-	2,250-
A8.7	10-inch Corrugated Plastic Pipe	35	LF	45-	1,575-
A8.8	12-inch Corrugated Plastic Pipe	600	LF	45-	27,000-
A8.9	15-inch Corrugated Plastic Pipe	100	LF	47-	4,700-
A10	Furnish and Install Potable Water Pressure Main, Complete, in accordance with Project Plans and Specifications				
A10.4	8" PVC Pipe, Open Cut	14015	LF	32-	448,480-
A10.7	10" HDPE, Horizontal Directional Drill	800	LF	98-	78,400-
A11	Furnish and install Potable Water Pressure Main in Steel Casing, Complete, in accordance with Project Plans and Specifications				
A11.3	12" Steel Casing, 6" PVC Carrier Pipe, Jack and Bore	30	LF	250-	7,500-
A12	Furnish and install Gate Valve assembly, Complete, in accordance with Project Plans and Specifications				
A12.2	8" Gate Valve	19	EA	2,000-	38,000-

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
A12.3	6" Gate Valve	2	EA	1,475-	2,950-
A13	Furnish and Install Fire Hydrant Assembly, Complete, in accordance with Project Plans and Specifications – 12" Water Main	29	EA	5,725-	166,025-
A15	Service Connection Assembly – Water				
A15.1	Service Connection Assembly – Water (Short Side)	28	EA	950-	26,600-
A15.2	Service Connection Assembly – Water (Long Side)	24	EA	1,925-	46,200-
A15.4	2" Commercial Service Connection Assembly – Water (Long Side)	1	EA	2,525-	2,525-
A16	Ductile Iron Fittings	7,000	LBS	11 ²⁵	78,750-
A17	Air Valve and Vault (Air Release/Vacuum)	7	EA	3,900-	27,300-
A18	Sample Station	2	EA	1,550-	3,100-
A19	Unsuitable Soils	1,500	CY	13 ⁵⁰	20,250-
A20	Select Bedding	250	CY	22-	5,500-
A21	Select Backfill	1,250	CY	19-	23,750-
A24	Dewatering				
A24.1	Trench Dewatering	4,205	LF	8-	33,640-
A24.2	Pit Dewatering	2	EA	2,000-	4,000-

BID ALTERNATE 2: Bid Alternate 2 consists of the following: Sheets C3.01 through C3.06.

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
B1	Mobilization / Demobilization	1	LS	37,000-	37,000-
B2	Traffic Control and Maintenance, as required to facilitate construction of the Project in accordance with the Project Plans and Specifications	1	LS	12,500-	12,500-
B3	Erosion Control / SWPPP Maintenance				
B3.2	Erosion Control / SWPPP Maintenance (Non-Roadside)	1	AC	8,500-	8,500-
B4	Clearing and Grubbing				
B4.2	Clearing and Grubbing (Non-Roadside)	1	AC	5,000-	5,000-
B5	Seeding, Fertilizing, and Mulching				

B5.2	Seeding, Fertilizing, and Mulching (Non-Roadside)	1	AC	2,500-	2,500-
B6	Contingency Bid Item for Miscellaneous Concrete, Cast in Place, in accordance with the Plans and Specifications	25	CY	1,200-	30,000-
B9	Fence Removal and Replacement, Complete, In accordance with Project Plans and Specifications				
B9.1	Chain Link Fence Removal and Replacement	1325	LF	38-	30,350-
B10	Furnish and Install Potable Water Pressure Main, Complete, in accordance with Project Plans and Specifications				
B10.5	12" Ductile Iron Pipe, Open Cut	7350	LF	65-	*71,750-
B11	Furnish and install Potable Water Pressure Main in Steel Casing, Complete, in accordance with Project Plans and Specifications				
B11.5	24" Steel Casing, 12" PVC Carrier Pipe, Jack and Bore	300	LF	450-	135,000-
B12	Furnish and install Gate Valve assembly, Complete, in accordance with Project Plans and Specifications				
B12.1	12" Gate Valve	10	EA	3,335-	33,350-
B13	Furnish and Install Fire Hydrant Assembly, Complete, in accordance with Project Plans and Specifications – 12" Water Main	1	EA	5,725-	5,725-
B14	Blow Off Valve – 6"	5	EA	3,165-	15,825-
B16	Ductile Iron Fittings	6,000	LBS	11.25	67,500-
B17	Air Valve and Vault (Air Release/Vacuum)	7	EA	3,900-	27,300-
B18	Sample Station	1	EA	1,550-	1,550-
B19	Unsuitable Soils	1,100	CY	13.50	14,850-
B20	Select Bedding	175	CY	22-	3,850-
B21	Select Backfill	925	CY	19-	17,575-
24	Dewatering				
B24.1	Trench Dewatering	2,190	LF	8-	17,520-
B24.2	Pit Dewatering	2	EA	2,000-	4,000-

BID ALTERNATE 3: Bid Alternate 3 consists of the following: Sheets C4.01 through C4.05.

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
C1	Mobilization / Demobilization	1	LS	41,000-	41,000-

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
C2	Traffic Control and Maintenance, as required to facilitate construction of the Project in accordance with the Project Plans and Specifications	1	LS	12,500	12,500
C3	Erosion Control / SWPPP Maintenance				
C3.1	Erosion Control / SWPPP Maintenance (Roadside)	1	AC	8,500	8,500
C4	Clearing and Grubbing				
C4.1	Clearing and Grubbing (Roadside)	1	AC	5,000	5,000
C5	Seeding, Fertilizing, and Mulching				
C5.1	Seeding, Fertilizing, and Mulching (Roadside)	1	AC	2,500	2,500
C6	Contingency Bid Item for Miscellaneous Concrete, Cast in Place, in accordance with the Plans and Specifications	25	CY	1,200	30,000
C7	Driveway Repair, Complete, in accordance with Project Plans and Specifications				
C7.1	Asphalt Driveway	45	SY	125-	5,625-
C7.2	Concrete Driveway	15	SY	125-	1,875-
C7.3	Unpaved Driveway	70	SY	55-	3,850
C8	Remove and replace culvert in conflict with project alignment, Complete, in accordance with Project Plans and Specifications				
C8.8	12-inch Corrugated Plastic Pipe	160	LF	45	7,200
C10	Furnish and Install Potable Water Pressure Main, Complete, in accordance with Project Plans and Specifications				
C10.5	12" Ductile Iron Pipe, Open Cut	0	LF	65-	-0-
C10.6	12" PVC Pipe, Open Cut	6565	LF	60-	393,900-
C10.8	14" HDPE, Horizontal Directional Drill	370	LF	157-	58,090-
C11	Furnish and install Potable Water Pressure Main in Steel Casing, Complete, in accordance with Project Plans and Specifications				
C11.3	12" Steel Casing, 6" PVC Carrier Pipe, Jack and Bore	50	LF	250-	12,500-
C11.5	24" Steel Casing, 12" PVC Carrier Pipe, Jack and Bore	115	LF	450-	51,750-
C12	Furnish and install Gate Valve assembly, Complete, in accordance with Project Plans and Specifications				
C12.1	12" Gate Valve	11	EA	3,335-	36,685-

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
C12.3	6" Gate Valve	1	EA	1,475	1,475
C13	Furnish and Install Fire Hydrant Assembly, Complete, in accordance with Project Plans and Specifications – 12" Water Main	13	EA	5,725	74,425
C15	Service Connection Assembly – Water				
C15.1	Service Connection Assembly – Water (Short Side)	12	EA	985-	11,820-
C15.2	Service Connection Assembly – Water (Long Side)	28	EA	1,750-	49,000-
C15.3	2" Commercial Service Connection Assembly – Water (Short Side)	1	EA	1,800-	1,800-
C16	Ductile Iron Fittings	3,500	LBS	11.25	39,375-
C17	Air Valve and Vault (Air Release/Vacuum)	3	EA	3,900-	11,700-
C18	Sample Station	3	EA	1,550-	4,650-
C19	Unsuitable Soils	1,000	CY	13.50	13,500
C20	Select Bedding	150	CY	22-	3,300
C21	Select Backfill	850	CY	19-	16,150
C24	Dewatering				
C24.1	Trench Dewatering	2,018	LF	8-	16,144-
C24.2	Pit Dewatering	6	EA	2,000-	12,000-

Total of Unit Price Bid Items 1-24 for Base Bid

\$ 1,665,975.00

Total Base Bid in Words

one million, six hundred sixty five thousand, nine hundred seventy five & 00/100

Total of Unit Price Bid Items A1-A24 for Bid Alternate 1

\$ 1,243,550.00

Total Bid Alternate 1 in Words

one million, two hundred forty three thousand, five hundred fifty & 00/100

Total of Unit Price Bid Items B1-B24 for Bid Alternate 2

\$ 967,645.00

Total Bid Alternate 2 in Words

Nine hundred sixty seven thousand, six hundred forty five & 00/100

Total of Unit Price Bid Items C1-C24 for Bid Alternate 3	\$ 926,314 ⁰⁰
Total Bid Alternate 3 in Words	Nine Hundred Twenty Six Thousand, Three Hundred Fourteen $\frac{1}{2}$ $\frac{00}{100}$

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security;
 - B. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;
 - C. Contractor's License No.: 03770-MC; and
 - D. Required Bidder Qualification Statement with supporting data

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTALBIDDER: *[Indicate correct name of bidding entity]*

T. L. WALLACE CONSTRUCTION, INC.

By:

*[Signature]**[Printed name]*

JOEY REAGAN, VICE PRESIDENT

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

*[Signature]**[Printed name]*

JANET PRICE

Title:

SECRETARY

Submittal Date:

1.13.22

Address for giving notices:

4025 HWY 35 NORTH, COLUMBIA, MS 39429

Telephone Number:

601.736.4525

Fax Number:

601.736.3401

Contact Name and e-mail address:

UTILITY.BIDS@TLWALLACE.COM

Bidder's License No.:

03770-MC

(where applicable)

BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER (Name and Address):

T. L. Wallace Construction, Inc.
4025 Highway 35 North
Columbia, MS 39429

SURETY (Name, and Address of Principal Place of Business):

Arch Insurance Company
Harborside 3, 210 Hudson Street, Suite 300
Jersey City, NJ 07311-1107

OWNER (Name and Address):

Jackson County Utility Authority
1225 Jackson Avenue
Pascagoula, Mississippi 39567

BID

Bid Due Date: January 13, 2022

Description (Project Name— Include Location):

Jackson County Utility Authority
Western Regional Water Improvements, Phase II

BOND

Bond Number: n/a

Date: January 13, 2022

Penal sum Five Percent of the Amount Bid----- \$ 5%

(Words)

(Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER

T. L. Wallace Construction, Inc. (Seal)

Bidder's Name and Corporate Seal

SURETY

Arch Insurance Company (Seal)

Surety's Name and Corporate Seal

By:

Signature

Joey Reagan

Print Name

Vice President

Title

Attest:

Signature

By:

Signature (Attach Power of Attorney)

Debbie L. Dunaway

Print Name

Attorney-in-Fact, MS Resident Agent

Title

Attest:

Signature Ryan Anderson, witness

Title

Title

Note: Addresses are to be used for giving any required notice.

Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation shall be null and void if:
 - 3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
 - 3.2 All Bids are rejected by Owner, or
 - 3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

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This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Note, Loan, Letter of Credit, Currency Rate, Interest Rate or Residential Value Guarantees.

POWER OF ATTORNEY

Know All Persons By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

Jim E. Brashier, Kathleen B. Scarborough, Susan Skrmetta, Patrick T. Mason, James Eley Brashier and Troy P. Wagener of Biloxi, MS (EACH) Kimberly B. Barhum, David Robin Fortenberry, Mary Jones Norval and Richard Teb Jones of Hattiesburg, MS (EACH) Dewey B. Mason, Joseph R. Beattie, Lisa R. Butler, Lessie R. Anderson and Debbie L. Dunaway of Gulfport, MS (EACH) Andrew P. Underwood of Mobile, AL

its true and lawful Attorney(s)-in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding Ninety Million Dollars (90,000,000.00).

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

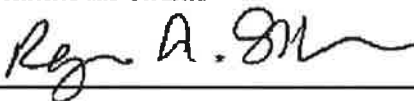
This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on December 11, 2020, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on December 11, 2020:

VOTED, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on December 11, 2020, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company. In Testimony Whereof, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this 2nd day of July, 2021

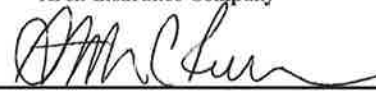
Attested and Certified



Regan A. Shulman, Secretary



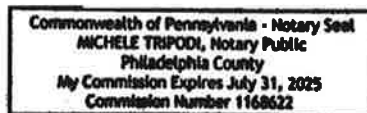
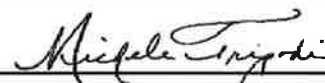
Arch Insurance Company



Stephen C. Ruschak, Executive Vice President

STATE OF PENNSYLVANIA SS
COUNTY OF PHILADELPHIA SS

I, Michele Tripodi, a Notary Public, do hereby certify that Regan A. Shulman and Stephen C. Ruschak personally known to me to be the same persons whose names are respectively as Secretary and Executive Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.

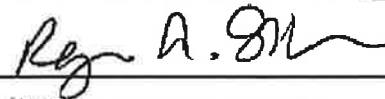



Michele Tripodi, Notary Public
My commission expires 07/31/2025

CERTIFICATION

I, Regan A. Shulman, Secretary of the Arch Insurance Company, do hereby certify that the attached Power of Attorney dated July 2, 2021 on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said Stephen C. Ruschak, who executed the Power of Attorney as Executive Vice President, was on the date of execution of the attached Power of Attorney the duly elected Executive Vice President of the Arch Insurance Company.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this 13th day of January, 20 22.



Regan A. Shulman, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.

PLEASE SEND ALL CLAIM INQUIRIES RELATING TO THIS BOND TO THE FOLLOWING ADDRESS:

Arch Insurance – Surety Division
3 Parkway, Suite 1500
Philadelphia, PA 19102



To verify the authenticity of this Power of Attorney, please contact Arch Insurance Company at SuretyAuthentic@archinsurance.com
Please refer to the above named Attorney-in-Fact and the details of the bond to which the power is attached.

State of Mississippi

BOARD OF CONTRACTORS

T. L. WALLACE CONSTRUCTION, INC.

ACTIVE

4025 HWY 35 N

COLUMBIA, MS 39429

is duly registered and entitled to perform

- 1) ASBESTOS ABATEMENT OR REMOVAL
- 2) BUILDING CONSTRUCTION
- 3) CONSTRUCTION MANAGEMENT
- 4) ELECTRICAL WORK
- 5) HAZARDOUS WASTE REMOVAL AND CONTROL
- 6) HEAVY CONSTRUCTION
- 7) HIGHWAY, STREET AND BRIDGE CONSTRUCTION
- 8) MUNICIPAL AND PUBLIC WORKS CONSTRUCTION

We have herunto set our hand and caused the Seal of the Mississippi Board of Contractors to be affixed this 18 day of Jan., 2022



CERTIFICATE OF RESPONSIBILITY

No. 03770-MC

Expires Jan. 18, 2023

Joel A. Canell

CHAIRMAN OF THE BOARD


-RESOLUTION-

BE IT RESOLVED by the Board of Directors of T. L. Wallace Construction, Inc. a Corporation organized and existing under the laws of the State of Mississippi, and domiciled in the City of Columbia, Mississippi that _____ President of the Corporation and/or JOEY REAGAN, Vice President _____ of the Corporation, be, and are hereby authorized and empowered to execute any and all contracts of whatever kind on behalf of the Corporation with JACKSON COUNTY UTILITY AUTHORITY and to do all things necessary in the premise.

-CERTIFICATE-

I, Janet Price Secretary of T. L. Wallace Construction, Inc., do here by certify the forgoing resolution is true and exact copy unanimously adopted by the Board of Directors of said Corporation at a meeting thereof legally held on the 1st day of January, 2022, that said resolution is duly entered into records of said corporations; that it has not been rescinded or modified; and that it is now in full force and effect. IN TESTIMONY WHEREOF, I have hereunto set my hand and seal of Corporation this st day of January, 2022

_____.

 Janet Price
Secretary



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

WESTERN REGIONAL WATER SYSTEM IMPROVEMENTS, PHASE II
Jackson County Utility Authority

Project documents obtained from www.CentralBidding.com

10-Jan-2022 10:53:47 AM



Jackson County Utility Authority
Western Regional Water System Improvements, Phase 2
DWSIRLF L300164-02
Pickering Firm, Inc. Project 23769.19

Plans, Specifications, and Contract Documents

TO: ALL PLANHOLDERS

FROM: GREGORY A. BROWN, PE

DATE: 5 January 2022

The Plans, Specifications, and Contract Documents for this Project shall be amended as follows:

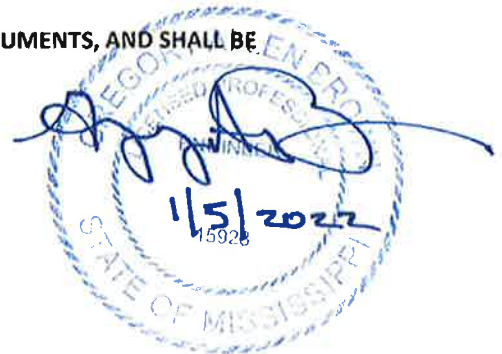
ADDENDUM #1

1. PRE-BID Meeting: Sign-in sheet and meeting minutes are included with this Addendum.
2. QUESTIONS: Questions regarding the Plans, Specifications, and Contract Documents should be submitted IN WRITING to Greg Brown, PE (gbrown@pickeringfirm.com).
 - a. Cutoff for receipt of questions is Close of Business Friday, 7 January 2022. Questions received after this time may not be answered.
3. CLARIFICATION: Fasteners for Fittings
 - a. Fasteners for fittings shall be ASTM A194 Type 304 Stainless Steel.
4. SPECIFICATION SECTION 03300 – Cast-In-Place Concrete
 - a. Item 3.5.D – Waterproof Coating and Finish
 - i. Delete this item in its entirety. It is not applicable to the work of this Project.
5. SPECIFICATION SECTION 15106 – Valves, Air Release, Air/Vacuum, and Combination Air and Vacuum
 - a. Items 2.3.A.4, 2.4.A.4, and 2.5.A.4
 - i. Revise statement to read “4. Provide stainless steel ball valves for inlet and blow off valves.”.
6. SPECIFICATION SECTION 15109 – Hydrants, Fire
 - a. Items 2-01.A
 - i. 5-1/4 American Darling B-84-B-5 Traffic Model Fire Hydrant by American Flow Control is an approved equal model for this Project..

ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

THIS ADDENDUM IS MADE PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS, AND SHALL BE ACKNOWLEDGED ON THE PROPOSAL.


Gregory A. Brown, PE
5 January 2022





Jackson County Utility Authority
Western Regional Water System Improvements, Phase 1
DWSIRLF L300164-01
Pickering Firm, Inc. Project 23769.17

Plans, Specifications, and Contract Documents

TO: ALL PLANHOLDERS

FROM: GREGORY A. BROWN, PE

DATE: 5 January 2022

The Plans, Specifications, and Contract Documents for this Project shall be amended as follows:

ADDENDUM #1

1. PRE-BID Meeting: Sign-in sheet and meeting minutes are included with this Addendum.
2. QUESTIONS: Questions regarding the Plans, Specifications, and Contract Documents should be submitted IN WRITING to Greg Brown, PE (gbrown@pickeringfirm.com).
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 - a. Items 2.3.A.4, 2.4.A.4, and 2.5.A.4
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 - a. Items 2-01.A
 - i. 5-1/4 American Darling B-84-B-5 Traffic Model Fire Hydrant by American Flow Control is an approved equal model for this Project..

ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

THIS ADDENDUM IS MADE PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS, AND SHALL BE ACKNOWLEDGED ON THE PROPOSAL.



Gregory A. Brown, PE
5 January 2022



Sign-in Sheet

Project: Western Regional Water Expansion- Phase II Pre-Bid Meeting

Date: 12/17/2021 12-16-2021 ^{added} 12/16/2021

Name	Company	Phone Number	Email
Serov Martin	JCUA	228-219-7250	jmartin@jcuu-ms.us
Danielle Romano	JCUA	228-217-5448	dromano@jcuu-ms.us
Donnie Price	JCUA	228-761-4883	dprice@jcuu-ms.us
Ricky Eiland	Hemphill	601 326-9105	Reiland@hemphillconstruction.com
Charles Carpenter	Pickens Firm	808 258-0490	ccarpenter@pickensfirm.com
Greg Brown	Pickens Firm	601-956-3663	gbrown@pickensfirm.com

**Jackson County Utility Authority
Western Regional Water System Improvements, Phase 2
MSDH DWSIRLF Project No. L300164-02**

PRE-BID MEETING

16 December 2021, 10:00am

Administrative Conference Room, JCUA Office, 1225 Jackson Avenue, Pascagoula, MS 39567

Introduction:

- Owner – Jackson County Utility Authority (Jerod Martin, PE)
- Engineer – Pickering Firm, Inc. (Greg Brown, PE / Charles Capdepon, PE)

Plans / Specifications:

- Plans available as PDF files for download (Pickering ShareFile Site). Hard copies at Bidder's discretion
 - From Pickering Firm, Inc. - \$50.00
 - Central Bidding
- Addenda Distribution via Pickering ShareFile Site and Posting to Central Bidding

Scope of Work:

- Installation of ~45,000 LF of water distribution main, inclusive of valves and appurtenances along Seaman, Antioch, Fountainbleu Roads, and between MPC ROW and US HWY 90 near Hanshaw Road
- Work is divided into Base Bid + 3 Alternates
 - Base Bid – Seaman Road (14,800' PVC, 1,500' DI -12", 350' HDPE -14")
 - Alternate – Antioch Road (14,100' PVC – 8", 700' HDPE -10")
 - Alternate – MPC ROW to US Hwy 90 (7,300' DI -12")
 - Alternate – Fountainbleu Road (5,700' PVC -12", 1,000' DI -12", 400' HDPE -14")
 - ~20,000 LF 12-in PVC, ~10,000 LF 12-in DIP, ~14,100 LF 8-in PVC, ~ 700 LF 10-in HDPE, ~750 LF 14-in HDPE
- Work on Seaman, Antioch, and Fountainbleu Roads will include services where JCUA is the retail agent.
- Pipe material is proposed as:
 - C900 PVC,
 - Ductile Iron in areas where water/sewer separation cannot be achieved, and
 - HDPE for HDD installations (note Pipe ID to match connecting pipe)

Permitting/Easements:

- Work is primarily along road rights-of-way, or other rights-of-way where JCUA has existing infrastructure.
- DMR/USACE Wetlands Permitting is in review as a possible Nationwide Permit
- Gulf South gas pipeline crossing permit is in review
- 7 permanent easements are required for this project. These are in acquisition at present time.
- Expect permits to be issued and all permanent easements to be acquired prior to NTP.

Estimate:

- Project estimate (August 2021): \$5MM

Contract Time:

- 330 Consecutive Calendar Days to Substantial Completion
- 365 Consecutive Calendar Days to Final Completion
- Some flexibility on time due to material acquisition issues

Award:

- Bids shall remain subject to acceptance for up to 60 days after Bid Opening (Section 00410 – Bid Form, Item 2.01)
- Section 00410 – Bid Form, Item 5.06 states: the contract is to be awarded to the lowest, responsible, responsive, qualified bidder based on the BASE BID and ANY Alternate Bid Items selected by the Owner.

Funding:

- Project funded via Loan through MS Dept. of Health Revolving Loan Fund Program
 - MSDH Supplemental General Conditions included in the Bid Documents and will be part of the official Contract Documents
 - American Iron & Steel Requirements
 - Davis-Bacon Wage Rates
 - DBE Participation GOALS (not requirements, GOALS)
 - MBE = 3.1%
 - WBE = 1.1%

Stored Materials:

- Stored Materials will not be paid for on this Project (MSDH Requirement). Compensation shall only be for completed work.
 - In a follow-up conversation with MSDH DWSIRLF Project Manager, payment for stored materials on this Project will be permitted. Specifications shall be modified to define the procedure for tracking and payment of stored materials.

RFIs – Bidding:

- Questions regarding the project will be accepted via EMAIL ONLY to gbrown@pickeringfirm.com until 5pm Friday, January 7, 2022. Phone calls shall not be considered as official communication.



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

WESTERN REGIONAL WATER SYSTEM IMPROVEMENTS, PHASE II
Jackson County Utility Authority

Project documents obtained from www.CentralBidding.com

10-Jan-2022 01:54:36 PM



**Jackson County Utility Authority
Western Regional Water System Improvements, Phase 2
DWSIRLF L300164-02
Pickering Firm, Inc. Project 23769.19**

Plans, Specifications, and Contract Documents

TO: ALL PLANHOLDERS

FROM: GREGORY A. BROWN, PE

DATE: 10 January 2022

The Plans, Specifications, and Contract Documents for this Project shall be amended as follows:

ADDENDUM #2

1. CLARIFICATION: Bid Opening Date
 - a. Bid Opening Date is **Thursday, January 13, 2022**. The Advertisement for Bids incorrectly stated the year as 2021.
2. CLARIFICATION: Addendum 1, Issued 1/5/2022
 - a. Addendum 1 to this Project (Western Regional Water System Improvements, Phase 2, Pickering Firm, Inc. Project 23769.19) was issued on Wednesday 1/5/2022.
 - b. References to an earlier project number and phase of work were erroneously included on the Addendum.
 - c. Copies of Addendum 1 bearing the corrected project title and number may be obtained from the document distribution sites.
 - d. Date of Issue and Content of Addendum 1 is UNCHANGED.
3. SPECIFICATION SECTION 00410 – Bid Form
 - a. Replace Section 00410 – Bid Form in the Bid Documents with Section 00410 – Bid Form included with this Addendum
 - i. Submission of Bid on obsolete forms shall be considered NON-RESPONSIVE
4. SPECIFICATION SECTION 01271 – Measurement and Payment
 - a. Replace Section 01271 – Measurement and Payment in the Bid Documents with Section 01271 – Measurement and Payment included with this Addendum
5. PROJECT PLANS – SHEET C1.07
 - a. Replace Sheet C1.07 in the Bid Documents with Sheet C1.07 included with this Addendum.
6. PROJECT PLANS – SHEET C1.10
 - a. Replace Sheet C1.10 in the Bid Documents with Sheet C1.10 included with this Addendum.
7. PROJECT PLANS – SHEET C2.01
 - a. Replace Sheet C2.01 in the Bid Documents with Sheet C2.01 included with this Addendum.
8. PROJECT PLANS – SHEET C2.07
 - a. Replace Sheet C2.07 in the Bid Documents with Sheet C2.07 included with this Addendum.

ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

**THIS ADDENDUM IS MADE PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS, AND SHALL BE
ACKNOWLEDGED ON THE PROPOSAL.**



Gregory A. Brown, PE
10 January 2022



**SECTION 01271
MEASUREMENT AND PAYMENT**

1-01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions with Appendices thereto, Supplementary General Conditions, Special Conditions, other Instructions and Provisions, and Division 01 Specification Sections, apply to this Section.

1-02 SUMMARY

- A. Section Includes:
1. Measurement and Payment Procedures
 2. Related Division 01 Sections:
 1. Section 01100 – Summary of Work
 2. Section 01270 – Unit Prices
 3. Section 01290 – Payment Procedures

1-03 MEASUREMENT

- A. Measurement methods delineated in Specification sections are intended to complement criteria of this section. In the event of conflict, requirements of the Specification section shall govern.
- B. Measurement of Quantities:
1. Measurement by Weight: Reinforcing steel, rolled or formed steel, or other metal shapes shall be measured by CRSI or AISC Manual of Steel Construction weights. Welded assemblies shall be measured by CRSI or AISC Manual of Steel Construction or scale weights.
 2. Measurement by Volume:
 - a. Stockpiles: Measured by cubic dimension using mean length, width, and height or thickness.
 - b. Excavation and embankment materials: Measured by cubic dimension using average end area method.
 3. Measurement by Area: Measured by square dimension using mean length and width or radius.
 4. Linear Measurement: Measured by linear dimension, at item centerline or mean chord.
 5. Stipulated Price Measurement: By unit designated in Agreement.
 6. Other: Items measured by weight, volume, area, or linear means or combination, as appropriate, as completed item or unit of Work.
- C. Measurement by Each: Measured by each instance or item provided.
- D. Measurement by Lump Sum: Measure includes all associated work.

1-04 PAYMENT

- A. Payment for all Lump Sum Work shown or specified in Contract Documents is included in the Contract Price. Payment will be based on a percentage complete basis for each line item of the accepted Schedule of Values.
 - 1. No separate payment shall be made for any component of Lump Sum Work having a specific method for quantity measurement defined previously.
- B. Payment for unit price items will be in accordance with Item 1-03, Division 1 Section 01270 "Unit Prices" and the individual Division 2 through 16 Sections.
- C. Payment for allowance and contingency bid items will be in accordance with Division 1 Section 01210 "Allowances" and the individual Division 2 through 16 Sections.

1-05 NONPAYMENT FOR REJECTED OR UNUSED PRODUCTS

- A. Payment will not be made for the following:
 - 1. Loading, hauling, and disposing of rejected material.
 - 2. Quantities of material wasted or disposed of in manner not called for under Contract Documents.
 - 3. Rejected loads of material, including material rejected after it has been placed by reason of failure of CONTRACTOR to conform to provisions of Contract Documents.
 - 4. Material not unloaded from transporting vehicle.
 - 5. Material remaining on hand after completion of work.

1-06 STORED MATERIALS AND EQUIPMENT

- A. CONTRACTOR may pre-purchase quantities of materials and/or equipment independent of scheduled installation.
 - 1. CONTRACTOR may request partial payment for the value of the materials and/or equipment in advance of installation. Request for partial payment shall be supported by material invoices and submitted in accordance with Section 01290 – Payment Procedures.
 - 2. No partial payment will be made for materials and equipment delivered or stored unless Shop Drawings or preliminary operation and maintenance manuals are acceptable to ENGINEER.
 - 3. Full payment will be made only for products incorporated in the Work of this Project.
 - 4. Remaining products, for which partial payment has been made, shall revert to CONTRACTOR. Partial payments made for those items shall be deducted from final payment.
- B. On-Site Storage: Materials and equipment may be stored on-site at the Contractor's laydown area or other secured location. On-site storage location shall be secured to prevent access by unauthorized persons. In the event that the on-site storage location includes materials and equipment for multiple projects, those materials and equipment purchased for this Project shall be segregated from other materials and

marked with readily visible signage referencing this Project.

- C. Off-Site Storage: Materials and equipment may be stored off-site at a secured facility. Contractor shall submit proof of insurance covering the value of materials and equipment for this project stored at the off-site facility. Materials stored off-site shall be segregated from any other materials at the facility and marked with readily visible signage referencing this Project.
- D. Access to Storage Area: Access to material storage areas shall be granted to the Owner, Engineer, or their representative at any time during construction of the Project for the purpose of inspecting the materials being held in the storage area to verify quantities reported on Contractor's Application for Payment.

PART 2 PRODUCTS

PART 3 EXECUTION

3-01 BID SCHEDULE LUMP SUM PAY ITEMS

- A. Item 1, Mobilization / Demobilization:
 - 1. Description: Mobilization and Demobilization shall be as described in Section 01110 – Mobilization – Demobilization.
 - 2. Measurement: Lump Sum (LS) per Section 01110 – Mobilization - Demobilization.
 - 3. Payment: Mobilization and Demobilization shall be paid per Section 01110 – Mobilization - Demobilization
- B. Item 2, Traffic Control and Maintenance:
 - 1. Description: Supply Traffic Control and Maintenance of such controls that comply with the Manual of Uniform Traffic Control Devices, Latest Edition and Mississippi Department of Transportation regulations to provide a safe work environment for the project and motorists. These devices include, but are not limited to, Advance Warning signs for each street or roadway affected by the work, speed limit signs, cones, barrels, barricades and flaggers in sufficient quantity to provide a safe work environment.
 - 2. Measurement: Lump Sum (LS) per Section – 01452 Traffic Control and Maintenance
 - 3. Payment: Traffic Control and Maintenance shall be paid per Section – 01452 Traffic Control and Maintenance.

3-02 BID SCHEDULE UNIT PRICE PAY ITEMS

- A. Item 3.1, Erosion Control/SWPPP Maintenance (Roadside):
 - 1. Description: Furnish Erosion Control Best Management Practices According to a SWPPP prepared by the CONTRACTOR and approved by the ENGINEER to prevent sediment and silts, debris, fuels and oils, or other deleterious substances from leaving the project site or contaminating waters of the State as described in

- Section – 01355 Environmental Protection
2. Measurement: Per acre as defined by the length of the waterline and a width of 10' (AC).
 3. Payment: Erosion Control and Maintenance shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- B. Item 3.2 Erosion Control/SWPPP Maintenance (Non-Roadside):
1. Description: Furnish Erosion Control Best Management Practices According to a SWPPP prepared by the CONTRACTOR and approved by the ENGINEER to prevent sediment and silts, debris, fuels and oils, or other deleterious substances from leaving the project site or contaminating waters of the State as described in Section – 01355 Environmental Protection
 2. Measurement: Per acre as defined by the length of the waterline and a width of 20' (AC).
 3. Payment: Erosion Control and Maintenance shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- C. Item 4.1, Clearing and Grubbing (Roadside):
1. Description: Remove trees, brush, vegetative material, roots and other deleterious material to facilitate installation of the waterline as described in Section – 02230 Site Clearing.
 2. Measurement: Per acre as defined by the length of the waterline and a width of 10' (AC).
 3. Payment: Clearing and Grubbing shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- D. Item 4.2, Clearing and Grubbing (Non-Roadside):
1. Description: Remove trees, brush, vegetative material, roots and other deleterious material to facilitate installation of the waterline as described in Section – 02230 Site Clearing.
 2. Measurement: Per acre as defined by the length of the waterline and a width of 20' (AC).
 3. Payment: Clearing and Grubbing shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- E. Item 5.1 Seeding, Fertilizing, and Mulching (Roadside):
1. Description: Furnish seeds, fertilize and mulch to provide a permanent stand of grass to prevent erosion of disturbed soils as described in Section – 02480 Seeding, Fertilizing, and Mulching.
 2. Measurement: Per acre as defined by the length of the waterline and a width of 10' (AC).
 3. Payment: Seeding, Fertilizing, and Mulching shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- F. Item 5.2 Seeding, Fertilizing, and Mulching (Non-Roadside):
1. Description: Furnish seeds, fertilize and mulch to provide a permanent stand of

- grass to prevent erosion of disturbed soils as described in Section – 02480 Seeding, Fertilizing, and Mulching.
 2. Measurement: Per acre as defined by the length of the waterline and a width of 20' (AC).
 3. Payment: Seeding, Fertilizing, and Mulching shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- G. Item 6 Miscellaneous Concrete:
1. Description: Furnish 3000 psi concrete for Thrust Blocks and various minor structures per Section – 03300 Concrete, Cast in Place.
 2. Measurement: Per cubic yard in place.
 3. Payment: Concrete shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- H. Item 7.1 Asphalt Driveway:
1. Description: Furnish 12.5 mm Asphalt to replace asphalt driveways removed during waterline installation per Section – 02740 Driveways and Roads Restoration.
 2. Measurement: Per square yard measured in place. Minimum Thickness is 4". Width is 16'.
 3. Payment: Asphalt shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- I. Item 7.2 Concrete Driveway:
1. Description: Furnish 3000 psi concrete to replace concrete driveways removed during waterline installation per Section – 02740 Driveways and Roads Restoration.
 2. Measurement: Per square yard measured in place. Minimum thickness is 4". Width is 16'.
 3. Payment: Concrete shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- J. Item 7.3 Unpaved Driveway:
1. Description: Furnish Crusher Run Limestone Base to replace unpaved driveways removed during waterline installation per Section – 02740 Driveways and Roads Restoration
 2. Measurement: Per square yard measured in place. Minimum thickness is 4". Width is 16'.
 3. Payment: Crusher Run shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- K. Item 8.1 through Item 8.5 Reinforced Concrete Pipe:
1. Description: Furnish RCP as required to replace RCP removed during waterline installation per Section 02721 – Drainage Pipes and Culverts
 2. Measurement: Per linear feet measured in place.
 3. Payment: RCP shall be paid at the unit price stated on the bid schedule for the

quantity installed at the project site.

- L. Item 8.7 Through Item 8.12 Corrugated Plastic Pipe:
 - 1. Description: Furnish Corrugated Plastic Pipe as required to replace plastic and/or corrugated metal pipe removed during waterline installation per Section 02721 – Drainage Pipes and Culverts.
 - 2. Measurement: Per linear feet measured in place.
 - 3. Payment: Corrugated Plastic Pipe shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

- M. Item 9.1 Fence Removal and Replacement (Chain Link):
 - 1. Description: Remove and Replace Chain Link Fence as required to replace chain link fence encountered during waterline installation per Section 02830 – Chain Link Fencing and Gates
 - 2. Measurement: Per linear feet measured in place.
 - 3. Payment: Chain Link Fence shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

- N. Item 10.3 6" PVC Potable Water Pressure Main (Open Cut):
 - 1. Description: Furnish and install 6" PVC Water Main, Complete, in accordance with Project Plans and Specifications per Section 15030 Piping System, PVC and CPVC Pressure Pipe.
 - 2. Measurement: Per linear feet measured in place.
 - 3. Payment: 6" PVC shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

- O. Item 10.4 8" PVC Potable Water Pressure Main (Open Cut):
 - 1. Description: Furnish and install 8" PVC Water Main, Complete, in accordance with Project Plans and Specifications per Section 15030 Piping System, PVC and CPVC Pressure Pipe.
 - 2. Measurement: Per linear feet measured in place.
 - 3. Payment: 8" PVC shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

- P. Item 10.5 12" Ductile Iron Potable Water Pressure Main (Open Cut):
 - 1. Description: Furnish and install 12" Ductile Iron Water Main, Complete, in accordance with Project Plans and Specifications per Section 15020 Piping System, Ductile Iron Pipe.
 - 2. Measurement: Per linear feet measured in place.
 - 3. Payment: 12" DIP shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

- Q. Item 10.6 12" PVC Potable Water Pressure Main (Open Cut):
 - 1. Description: Furnish and install 2" Potable Water Main, Complete, in accordance with Project Plans and Specifications per Section 15030 Piping System, PVC and CPVC Pressure Pipe.

2. Measurement: Per linear feet measured in place.
 3. Payment: 12" PVC Pressure Pipe shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- R. Item 10.7 10" HDPE (Horizontal Directional Drill):
1. Description: Furnish and install 10" Potable Water Main, Complete, in accordance with Project Plans and Specifications per Section 15035 Piping System, HDPE Pressure Pipe.
 2. Measurement: Per linear feet (station-to-station) measured in place.
 3. Payment: 10" HDPE Pressure Pipe shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- S. Item 10.9 14" HDPE (Horizontal Directional Drill):
1. Description: Furnish and install 14" Potable Water Main, Complete, in accordance with Project Plans and Specifications per Section 15035 Piping System, HDPE Pressure Pipe.
 2. Measurement: Per linear feet measured in place.
 3. Payment: 14" HDPE Pressure Pipe shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- T. Item 11.3 12" Steel Casing with 6" PVC Potable Water carrier pipe (Jack and Bore):
1. Description: Furnish and install 12" Steel Casing with 6" Potable Water Main, Complete, in accordance with Project Plans and Specifications per Section 02326 Pipe Jacking, Boring, or Tunneling.
 2. Measurement: Per linear feet measured in place.
 3. Payment: 12" Casing and 6" PVC Pressure Pipe shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- U. Item 11.5 24" Steel Casing with 12" PVC Potable Water carrier pipe (Jack and Bore):
1. Description: Furnish and install 24" Steel Casing with 12" Potable Water Main, Complete, in accordance with Project Plans and Specifications per Section 02326 Pipe Jacking Boring Tunneling.
 2. Measurement: Per linear feet measured in place.
 3. Payment: 24" Casing and 12" PVC Pressure Pipe shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- V. Item 12.1 12" Gate Valve:
1. Description: Furnish and install 12" Gate Valve, Complete, in accordance with Project Plans and Specifications per Section 15105 Gate Valves
 2. Measurement: Per Each.
 3. Payment: 12" Gate Valve shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- W. Item 12.2 8" Gate Valve:
1. Description: Furnish and install 8" Gate Valve, Complete, in accordance with Project Plans and Specifications per Section 15105 Gate Valves

2. Measurement: Per Each.
 3. Payment: 8" Gate Valve shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- X. Item 12.3 6" Gate Valve:
1. Description: Furnish and install 6" Gate Valve, Complete, in accordance with Project Plans and Specifications per Section 15105 Gate Valves
 2. Measurement: Per Each.
 3. Payment: 6" Gate Valve shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- Y. Item 13 Fire Hydrant Assembly
1. Description: Furnish and install Fire Hydrant Assemblies, Complete, in accordance with Project Plans and Specifications per Section 15109 Fire Hydrants.
 2. Measurement: Per Each.
 3. Payment: Fire Hydrants Assemblies shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- Z. Item 14 Blow Off Valves
1. Description: Furnish and install Blow Off Valves, Complete, in accordance with Project Plans and Specifications per Section 15100 Valves, Basic Requirements and Miscellaneous.
 2. Measurement: Per Each.
 3. Payment: Blow Off Valves shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- AA. Item 15.1 Service Connection Assembly (Short Side):
1. Description: Furnish and install Service Connection Assembly (Short Side), Complete, in accordance with Project Plans and Specifications per Section 15100 – Valves, Basic requirements and Miscellaneous. Items furnished under this section includes Saddle Tap, Corporation Stop, CTS DR 9 Pipe, ¼ turn Curb Stop, and Meter Vault.
 2. Measurement: Per Each.
 3. Payment: Service Connection Assembly (Short Side) shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- BB. Item 15.2 Service Connection Assembly (Long Side):
1. Description: Furnish and install Service Connection Assembly (Long Side), Complete, in accordance with Project Plans and Specifications per Section 15100 – Valves, Basic requirements and Miscellaneous. Items furnished under this section includes Saddle Tap, Corporation Stop, CTS DR 9 Pipe, ¼ turn Curb Stop, and Meter Vault. PE pipe is to be installed without cutting road surfaces.
 2. Measurement: Per Each.
 3. Payment: Service Connection Assembly (Long Side) shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

- CC. Item 15.3 2" Commercial Service Connection Assembly (Short Side):
1. Description: Furnish and install 2" Commercial Service Connection Assembly (Short Side), Complete, in accordance with Project Plans and Specifications per Section 15100 – Valves, Basic requirements and Miscellaneous. Items furnished under this section includes Saddle Tap, Corporation Stop, CTS DR 9 Pipe, ¼ turn Curb Stop, and Meter Vault.
 2. Measurement: Per Each
 3. Payment: 2" Commercial Service Connection Assembly (Short Side) shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- DD. Item 15.4 2" Commercial Service Connection Assembly (Long Side):
1. Description: Furnish and install 2" Commercial Service Connection Assembly (Long Side), Complete, in accordance with Project Plans and Specifications per Section 15100 – Valves, Basic requirements and Miscellaneous. Items furnished under this section includes Saddle Tap, Corporation Stop, CTS DR 9 Pipe, ¼ turn Curb Stop, and Meter Vault. PE pipe is to be installed without cutting road surfaces.
 2. Measurement: Per Each
 3. Payment: 2" Commercial Service Connection Assembly (Long Side) shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- EE. Item 16 Ductile Iron Fittings:
1. Description: Furnish and install Ductile Iron Fittings, Joint Restraints, and Mechanical Joints, inclusive of all hardware, fasteners, gaskets, and glands in accordance with Project Plans and Specifications per Section 15020 - Piping Systems, Ductile Iron Pipe.
 2. Measurement: Per Pound
 3. Payment: Payment for ductile iron fittings and joint restraints shall be at the unit price stated on the bid schedule for the quantity installed at the project site.
- FF. Item 17 Automatic Air Release Valves
1. Description: Furnish and install Automatic Air Release Valves, Complete, in accordance with Project Plans and Specifications per Section 15106 - Valves, Air Release, Air/Vacuum, and Combination Air and Vacuum.
 2. Measurement: Per Each.
 3. Payment: Automatic Air Release Valves shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.
- GG. Item 18 Sample Station
1. Description: Furnish and install Sample Station, Complete in accordance with project Plans and Specifications per Section 15100 – Valves, Basic Requirements and Miscellaneous.
 2. Measurement: Per Each.
 3. Payment: Sample Station shall be paid at the unit price stated on the bid schedule

for the quantity installed at the project site.

HH. Item 19 Unsuitable Soils Excavation:

1. Description: Remove soils deemed to be unsuitable by the Engineer per Section 02320 – Excavation, Trenching, and Backfilling for Utilities.
2. Measurement: Per Cubic Yard.
3. Payment shall be paid by cubic yard per Section 02320 – Excavation, Trenching, and Backfilling for Utilities.

II. Item 20 Select Bedding:

1. Description: Furnish and install Select bedding material at the direction of the Engineer per Section 02320 – Excavation, Trenching, and Backfilling for Utilities.
2. Measurement: Per Cubic Yard LVM.
3. Payment: shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

JJ. Item 21 Select Backfill:

1. Description: Furnish and install select backfill material as directed by the Engineer per Section 02320 – Excavation, Trenching, and Backfilling for Utilities.
2. Measurement: Per Cubic Yard LVM.
3. Payment: Backfill Material shall be paid at the unit price stated on the bid schedule for the quantity installed at the project site.

KK. Item 24.1 Trench Dewatering:

1. Description: Furnish and install a dewatering system to remove ground water to provide a suitable working trench for laying the waterline. per Section 02220 - Dewatering.
2. Measurement: Per linear foot of trench that is dewatered at the direction of the Engineer.
3. Payment: Payment will be by the linear foot of dewatered trench excavated at the Direction of the Engineer. The Engineer may decide to not pay for dewatering if he is not informed of the situation prior to dewatering.

LL. Item 24.2 Pit Dewatering

1. Description: At the direction of the Engineer, furnish and install a dewatering system to remove ground water to provide a suitable pit to provide a space to tunnel or bore under road surfaces per Section 02220 - Dewatering.
2. Measurement: Per Each Pit Dewatered.
3. Payment: Payment will be for each pit dewater at the direction of the Engineer. The Engineer may decide to not pay for dewatering if he is not informed of the situation prior to dewatering.

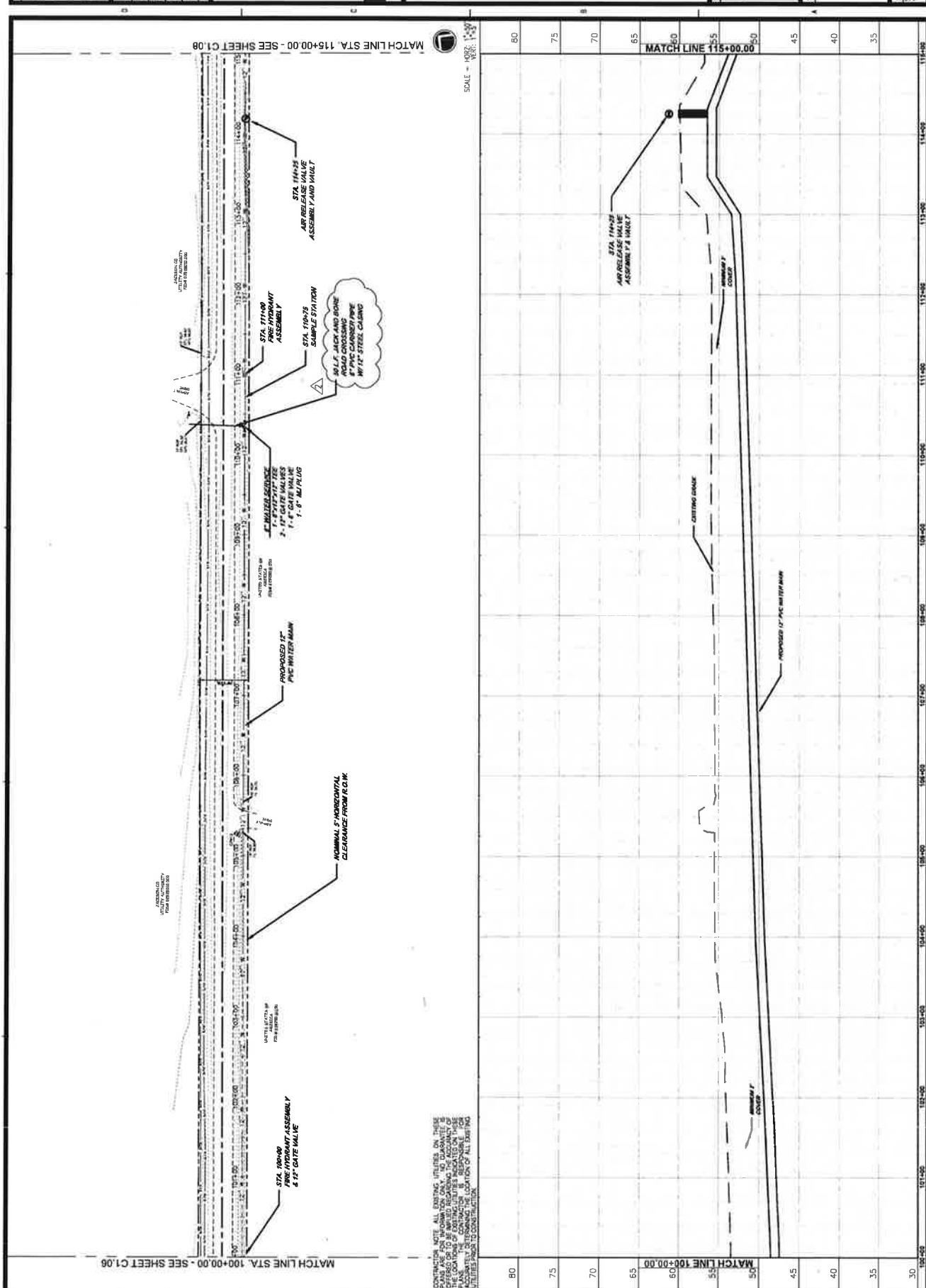
MM. Non-Pay Items:

The following are non-pay items that are to be absorbed into the lump sum or unit prices

for which these items are subsidiary are as follows, but not limited to:

1. Storm and surface water removal
2. Backfill with native materials
3. Markers and locators
4. Project lay out
5. Property and structure protection
6. Permanent signage (as deemed necessary by the Engineer)
7. Locator wire and warning tape
8. Aggregate associated with air relief valves and fire hydrants
9. Removal and replacement of ornamental bushes and shrubs as directed by the Engineer.
10. Removal and replacement of mail boxes.
11. Removal and replacement of gates and cattle gaps.
12. Removal and replacement of road signage (i.e. street signs, regulatory signs, and construction warning signs)
13. Bulkheads as directed by the Engineer
14. Removal and replacement of rip-rap, surge stone, filter fabric as directed by the Engineer
15. Asphalt and road surface repair other than driveways

END OF SECTION



CONTRACTOR NOTE: ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE LOCATION OF ALL EXISTING UTILITIES IS NOT GUARANTEED.

Pickering
 Pickering Firm, Inc.
 2021 Pickering Road
 Pickering, Ohio 44139
 (440) 938-1000

Jackson County Utility Authority
 Western Regional Water Improvements, Phase II

PROJECT # 23786.19
 DATE 08-12-2021
 DRAWN BY DCC
 CHECKED BY GAB

C1.07
 SHEET NUMBER

DESCRIPTION
 STA 100+00 TO STA 115+00

DATE
 12 AUGUST 2021

Pickering
 Pickering Firm, Inc.
 2001 Project Drive, Suite 201
 Jackson, MS 39202
 601.988.3003

Project # 22160.19
 Date 08-12-2021
 Drawn By DMC
 Designer DMC
 Checked By DMC

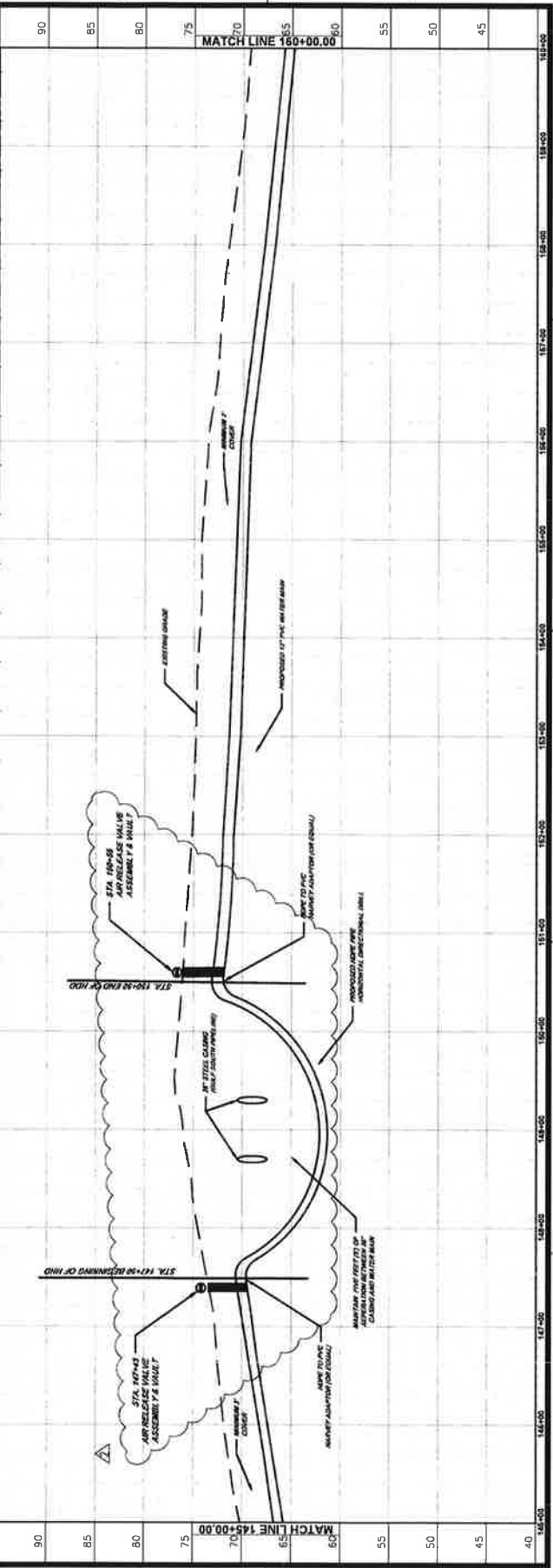
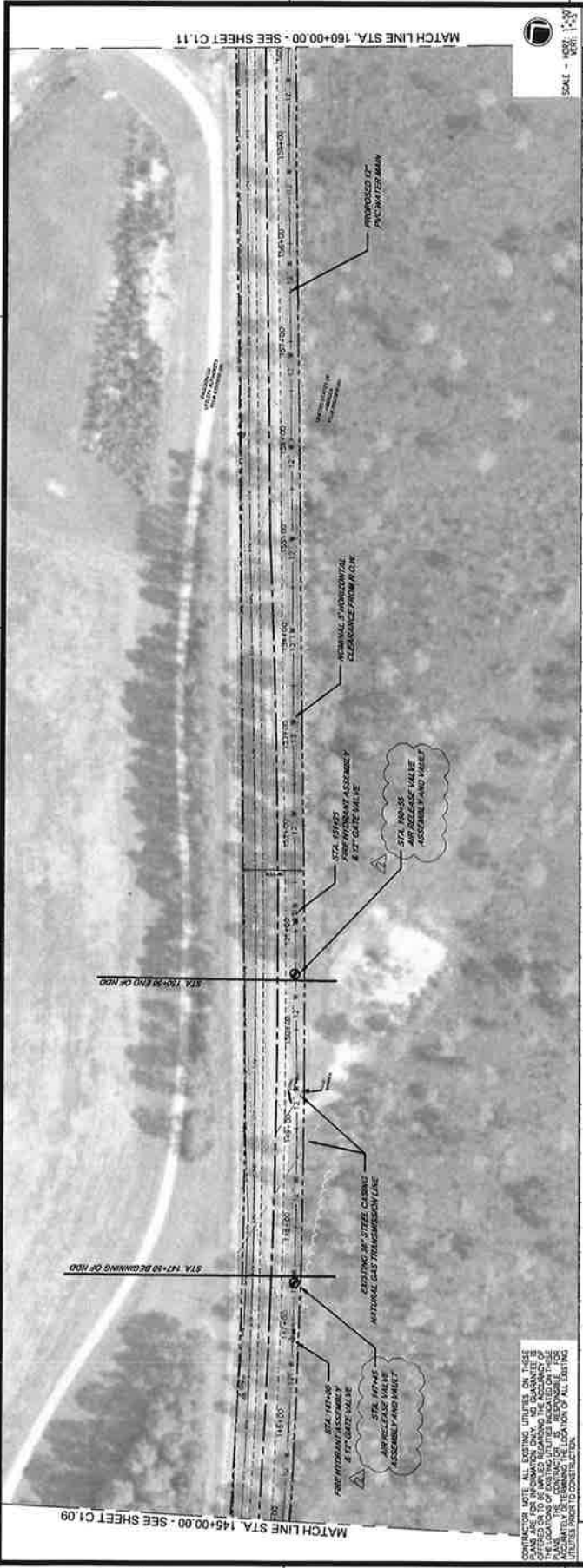
Jackson County Utility Authority
Western Regional Water
Improvements, Phase II

DESCRIPTION
 STA 145+00 TO STA 160+00

SHEET NUMBER
C1.10

REVISIONS:

NO.	DATE	DESCRIPTION
1	01/10/22	ADD 02



Pickering

2007 Major Drain, Water, Sewer, Stormwater
 Transportation - Natural / Water Resources
 Pickering Firm, Inc.
 2007 Major Drain, Water, Sewer, Stormwater
 Transportation - Natural / Water Resources
 Pickering Firm, Inc.

Jackson County Utility Authority

Western Regional Water

Improvements, Phase II

PROJECT # 23768.19

DATE 08-12-2021

DRAWN BY: DCC

DESIGNER: DCC

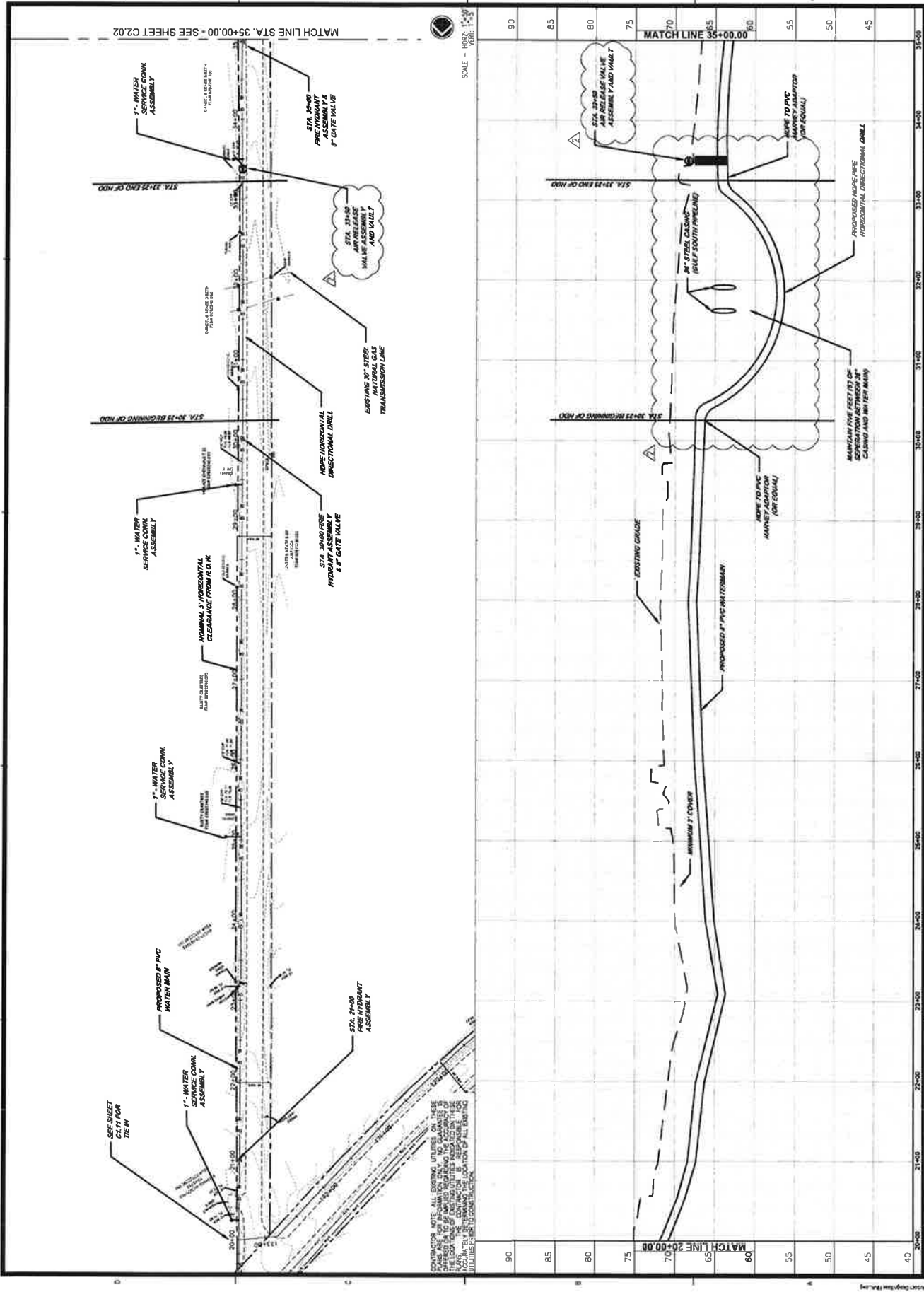
CHECKED BY: DAB

C2.01

SHEET NUMBER

DESCRIPTION: PLAN PROFILE STA 20+00 TO 35+00

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Pickering

Pickering Firm, Inc.
 2075 Market Drive, Suite 201
 Fremont, CA 94538
 (925) 436-1800

Jackson County Utility Authority
 Western Regional Water
 Improvements, Phase II

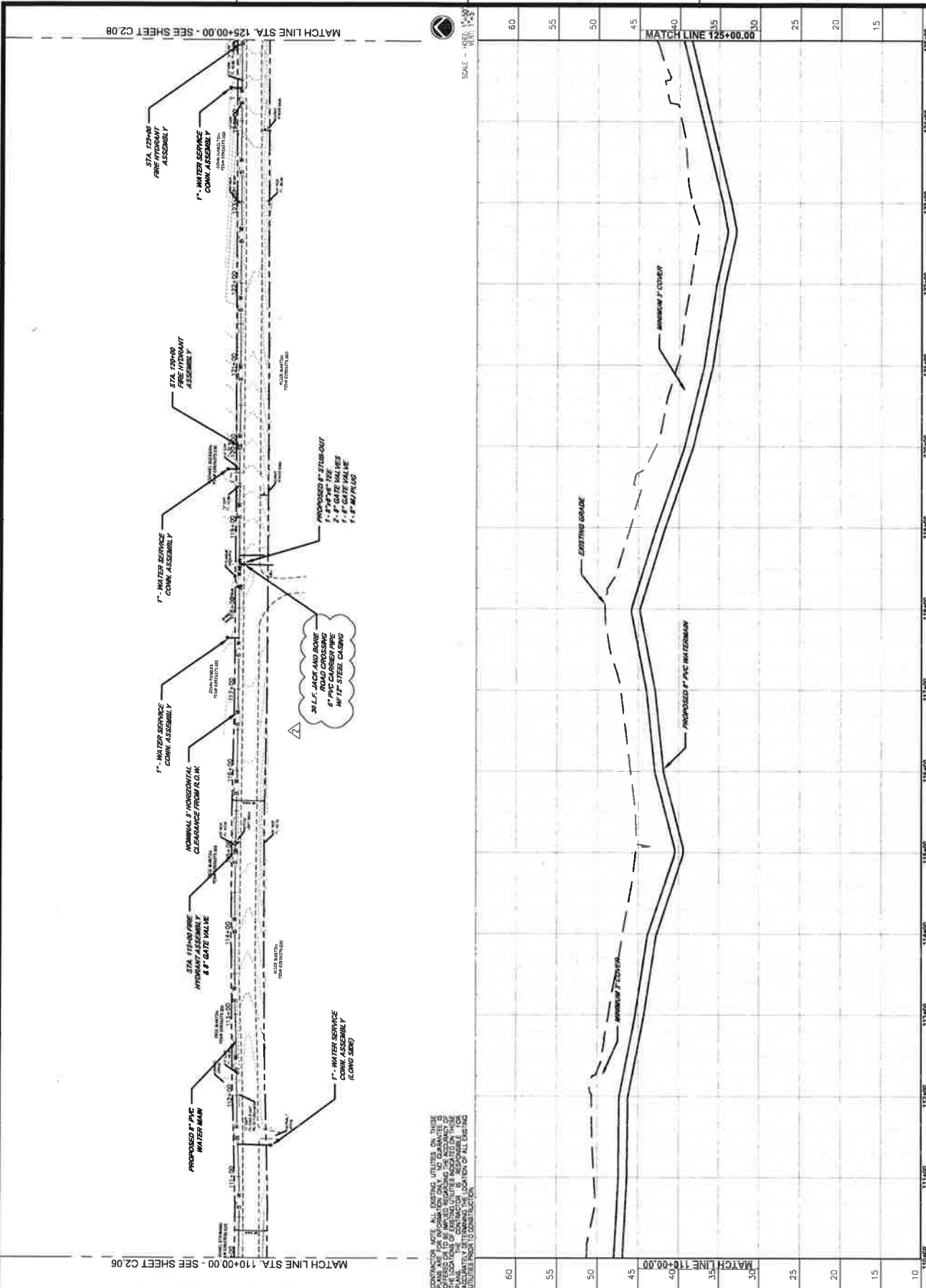
C2.07

SHEET NUMBER

PROJECT # 23793.19
 DATE 08-12-2021
 DRAWN BY: CAC
 DESIGNER: CAC
 CHECKED BY: CAC

DESCRIPTION:
 PLAN PROFILE STA.
 110+00 TO 125+00

DATE: 10/10/23
 A101/10/23 ADD 12



CONSTRUCTION NOTE: ALL EXISTING UTILITIES ON THESE PLANS ARE FOR INFORMATION ONLY. NO GUARANTEE IS MADE FOR THE LOCATION OR DEPTH OF EXISTING UTILITIES. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS IS BASED ON THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.