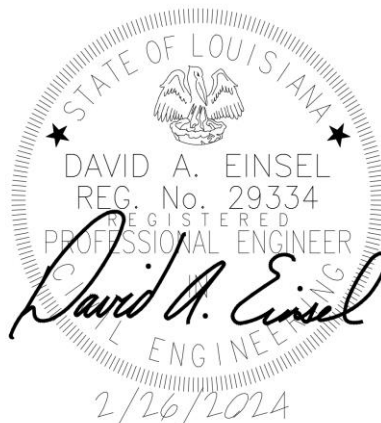


ASCENSION PARISH



ADDENDUM NO. 1
TO
SPECIFICATIONS AND PLANS
FOR
ASCENSION PARISH WATER SECTOR
PROGRAM (ROUND 1)
(Dated February 2023)



February 26, 2024

Ascension Parish
Addendum No. 1
to
Specifications and Plans
For



ASCENSION PARISH WATER SECTOR PROGRAM (ROUND 1)	February 2023
Project Name	Date

To Bidder of Record:

This addendum, applicable to the work designed above, is an amendment to the bidding documents and as such shall be part of and included in the Contract for the Ascension Parish Water Sector Program (Round 1) for Ascension Parish.

Part 1 - Addendum Purpose

The purpose of this addendum is to make general revisions to the Specifications, Drawings, and Bidding Documents, and respond to questions raised during and subsequent to the Pre-Bid Conference, which was held on Monday, February 12, 2024, at 10:00AM.

Part 2 – Non-Mandatory Pre-Bid Meeting Attendees

Jon Simmons	Allen & LeBlanc
Devin Russ	Ascension Parish (AP)
Dean Thomason	AP
James Finley	Grady Crawford Construction
Steven Bourg	McKim & Creed (M&C)
David A. Einsel, PE	M&C
Mark Maher	M&C
Beau Landry	NCMC, LLC
David Kozan, P.E.	Owen & White, Inc.
Jeremy Breaux	Southern Pipe & Supply

See Attached Sign-In Sheet for the complete list of phone numbers and e-mail addresses.

Part 3 – Summary of Pre-Bid Meeting

- A. A brief summary of the project was given. The project will involve, but is not limited to, the following:

1. General - This project will consist of the consolidation of the Parish Utilities of Ascension (PUA) and ACUD No. 1 water systems within the Ascension Parish at three different tie-in points to include: 1) LA 1 North, 2) La 1 South, and 3) LA 308. It will also consist of the addition of a pressure booster station near the McCall Elevated Storage Tank and rehabilitation/replacement of various water lines within the historic area of the Ascension Parish with mostly 8" DR 11 HDPE.
2. Specific -
 - a. Mobilization, Lump Sum;
 - b. Construction Photographs, Lump Sum;
 - c. Audio/Video Survey, Lump Sum;
 - d. Exploratory Excavation, 30 Each;
 - e. Hot Tap Existing 6" CI Pipe Type A, 1 Ea;
 - f. Hot Tap Existing 8" CI Pipe Type A, 30 Ea;
 - g. Hot Tap Existing 6" CI Pipe Type B, 3 Ea;
 - h. Hot Tap Existing 8" CI or PVC Pipe Type B, 3 Ea.;
 - i. 8" DIPS HDPE DR11, 9800 Lin Ft;
 - j. 8" C900 PVC DR18, 100 Lin Ft;
 - k. DI Fittings, 1 Ton;
 - l. 8" Isolation Valve, 7 Ea;
 - m. Fire Hydrant Assembly Installed on Pipe 0 to 6 Ft Deep, 30 Ea;
 - n. Fire Hydrant Assembly Installed on Pipe 6.1 to 12 Ft Deep, 5 Ea;
 - o. Remove and Replace Asphalt Street, 100 Sq Yd;
 - p. Remove and Replace Concrete Street, 50 Sq Yd;
 - q. Remove and Replace 6" Thick Concrete Driveway, 50 Sq Yd;
 - r. Remove and Replace 4" Thick Concrete Sidewalk, 100 Sq Yd;
 - s. Traffic Maintenance Limestone, 150 Sq Yd;
 - t. Relocation of Infrastructure Items, Lump Sum of \$50,000.00;
 - u. Removal of Structures and Obstructions, Lump Sum;
 - v. Project Sign, 1 Ea;
 - w. 4" Insertion Valve, 1 Ea;
 - x. 6" Insertion Valve, 2 Ea;
 - y. Cut in 3" Gate Valve in Existing 3" Water Main, 1 Ea;
 - z. McCall Booster Station, 1 Lump Sum;
 - aa. Alternate No. 1 - Palo Alto Control Valve (Alt No 1), 1 Lump Sum;
 - bb. The above items are not necessarily inclusive of all the work for this project. The contractor is responsible for verifying the total work.
- B. Contract information was also provided for the project:
 1. Contractor's License
 - a. This project requires that the contractor have a Municipal & Public Works Construction license (see Division 0, Bidding Requirements, Article 1, Page 6 of the Front End Specifications).
 - b. *Mr. Einsel/M&C stated that the Contractor bidding the project would need to have a Municipal and Public Works Construction license.*
 2. Contractor Requirements
 - a. Contractors must always provide a competent resident superintendent during work progress.

- b. *Mr. Einsel/M&C stated that a prime superintendent would always need to be present during work regardless of whether it was only a subcontractor working at the site.*
 - 3. Contract Time
 - a. 365 calendar days (1 year/12 months) – as per Section 00500, Article 3
 - b. Eligible for Final Payment 45 days after Substantial Completion
 - c. Discussion on Lead Times
 - i. *David Einsel/M&C stated that he was aware there would be a number of material and equipment lead times for this particular project; he asked Ascension Parish to speak to how this would be handled. Mr. Thomason/AP stated that separate Notice-to-Proceeds (NTPs) would be issued for Material Orders (including submittals) and Construction.*
 - 4. Liquidated Damages
 - a. \$850.00 per day – according to Section 00520, Article 4.03
 - 5. No fuel or asphalt adjustments allowed per contract – according to Section 00500, Article 5.3
 - 6. Award of Contract
 - a. Ascension Parish will award the contract based on the lowest bid
 - 7. Bid Opening
 - a. Sealed Bids are due no later than **10:00 a.m. local time on Thursday, Feb. 29, 2024, at Ascension Parish Purchasing Department, 615 E. Worthey, Gonzales, LA 70737 (P.O. Box 2392, Gonzales, LA 70707) or on Central Bidding Site**
 - b. Bids shall remain open for 45 days
- C. Construction information was also provided for the project:
 - 1. Possible Difficulties
 - a. Existing Traffic for Loading/Unloading – Field visit of site is required per Item 2.4.1 of Article 2 of Front End Project Specifications prior to bidding.
 - b. Storage – Contractor must work closely with the Owner to store materials and stage work for this project. Such activities and storage should not hinder normal road traffic and business operations.
 - c. Private Residents/Businesses – Contractor must not affect access (ingress/egress) to residential and commercial driveways
 - d. The Contractor is responsible for all trash containment and pick-up (including subcontractors throughout the course of construction) – See Section 01360 of Specifications.
 - 2. Utility Conflicts
 - a. Utilities – Because of the age of the City of Donaldsonville, there are a number of older utilities so Contractor must take care to ensure all utility systems are properly located prior to work commencement and installation of new lines.

3. Testing
 - a. Contractor shall coordinate with selected testing agency for this project
 4. Coordination
 - a. Contractor must notify David Einsel/M&C at (225) 644-5523 that work is beginning; failure to provide notification could cause non-payment of invoices.
 - b. Contractor is responsible for all necessary coordination with the Owner. Ascension Parish and City of Donaldsonville must be notified at least 48 hours prior to any traffic lane closures that could affect school bus and emergency vehicle traffic shutdowns, and all dates/times must be approved by the Ascension Parish/City of Donaldsonville for such work.
 - i. The point of contacts from Ascension Parish are as follows:

<u>Name:</u>	Dean Thomason, Project Manager
<u>Phone:</u>	(225) 454-9253
<u>E-Mail:</u>	dean.thomason@apgov.us
 - ii. The secondary point of contact from the Ascension Parish for work related to the booster sites will be:

<u>Name:</u>	Jason Licciardi, Operations Manager
<u>Phone:</u>	(504) 884-9391
<u>E-Mail:</u>	Jason.licciardi@parishutilitiesofascension.com
 5. Correspondence
 - a. Resident project representative role is slated to be filled by Steven Bourg/M&C on behalf of the Owner
 - b. All correspondence from the Contractor must be routed through this on-site RPR contact to ensure all entities are properly informed of construction activities, request for information, and any issues.
 6. Clarifications/Changes
 - a. Any needed? *None mentioned.*
 7. Questions – Mr. Einsel/M&C asked whether the Contractors had any questions at this time. He announced that contractors could forward any questions to him and David Kozan via email to have answers be included in the forthcoming project addendum (engineers' email addresses shown on attached sign-in sheet).
 - a. Current questions?
 - i. See **Part 4 – Clarifications** for questions posed during and after the Pre-Bid Meeting and responses to those questions.
- D. Bidding package information (see Section 00200 of the Project Specifications) was also provided for the project:
1. The Contractor is required to visit the site prior to submission of a bid (Front Ends, Article 2, Item 2.4.1 of Specifications)
 2. The Contractor shall refer to Article 2 of Front Ends for all required forms to be completed for the bid and the other documents required within 10 days of Bid Opening from the apparent low bidder. Article 2 references the following documents for bid submission, but the

Contractor has the responsibility of checking his bid to ensure it is complete:

- a. Louisiana Uniform Public Work Bid Form (with acknowledgement of addendum(s)), Division 0, Bid Forms, Article 1;
- b. Corporate Resolution Authorizing Signing of Bid (Division 0, Bid Forms, Article 1), *La. R.S. 38:2212(B)(2)*; and
- c. Bid Security or Bid Bond, Division 0, Bid Forms, Article 1 – *See La. R.S. 38:2212(B)(2)*
- d. *David Einsel/M&C stated the Contractor was responsible for ensuring that no other information is required in the bid and that the submitted bid package is signed and complete. He also stated that the Contractor must acknowledge receipt of the forthcoming addendum on the Bid Form.*

- 3. Project Funding – Project will be by the Water Sector Program
 - a. No specific requirements to meet American Iron & Steel (AIS) provisions

4. Labor

- a. Davis Bacon wage rates are not required for this project
- b. Certified weekly payrolls not needed.

5. Questions

- a. Contractor has until 3PM on Feb. 14, 2024 to turn in questions on this project to purchasing@apgov.us
- b. Future questions prior to bid opening shall be submitted in writing to David Einsel/McKim & Creed AND David Kozaan/Owen & White via email to ensure that all answers and/or clarifications make their way into the addendum(s)
- c. Engineers' contact information as follows:

- i. McKim & Creed

1022 S. Purpera Avenue
Gonzales, LA 70737

Phone: (225) 644-5523

Fax: (225) 644-8438

E-Mail: deinsel@mckimcreed.com

Contact: David Einsel, P.E., Senior Project Manager

- ii. Owen & White

8755 Goodwood Blvd.

Baton Rouge, LA 70806

Phone: (225) 231-0325

E-Mail: dkozan@owenandwhite.com

Contact: David Kozaan, P.E., Executive VP

E. Addendum information was also provided for the project:

- 1. Addendum No. 1 will follow this meeting with a summary of the meeting minutes and answers to various questions posed by the Contractors
- 2. Addendum No. 1 will be issued by Monday, February 26, 2024, by 10:00A.M. in accordance with LA Bid Law requirements (72 hrs. minimum before Bid Opening)

Part 4 – Clarifications

- A. At the Pre-Bid Conference, the following question was asked: “What is the overall Engineer’s estimate for this project?” Response: *The Engineer’s estimate for this project is \$5 million.*
- B. At the Pre-Bid Conference, the following question was asked: “Can you please clarify how pipe bedding material is to be paid on this project?” Response: *See Item R within this part of the addendum.*
- C. At the Pre-Bid Conference, the following question was asked: “Can you please clarify the pipe bedding details on the project and where they are to be utilized?” Response: *See Item R within this part of the addendum.*
- D. At the Pre-Bid Conference, the following questions was asked: “Should the Contractor assume that the Exploratory Excavation item in the Bid Form will take care of determining where utilities are where they are not well marked by respective utility companies?” Response: *See Item K within this part of the addendum.*
- D. Subsequent to the Pre-Bid Conference, the following question was asked: “Are there specific contacts that need to be provided for Parish Utilities of Ascension (PUA)?” Response: *Those contacts are not necessary at this point and will be provided during the Pre-Construction Meeting once the contract has been awarded to the low bidder.*
- E. Subsequent to the Pre-Bid Conference, the following question was asked: “What type of Contractor classification is required to bid this project?” Response: *This project requires that the Contractor hold a Municipal & Public Works Construction License, as per Division 0, Bidding Requirements, Article 1 of the Front End Documents.*
- F. Subsequent to the Pre-Bid Conference, the following question was asked: “There are several places where the new waterlines will be installed in relatively close proximity to the Mississippi River levee (examples are Sheet C3 Sta. 14+00 and Sheet C7 Sta. 72+00). Are there any special permits, requirements, or restrictions on excavating or boring within a certain distance from the levee?” Response: *The Contractor will be required to check the Carrollton gauge level for the Mississippi River, and if the elevation of the river at this gauge reaches 11.0 feet, the Contractor will need to cease all excavation activities within 1500 feet of the levee.*

- G. Subsequent to the Pre-Bid Conference, the following question was asked: "Similarly, there are some locations where the work will be fairly close to the railroad (Sheet C9 Sta 129+95) and LA DOTD right-of-way (C5 40+00, C9 128+00) – are there any permits required or other considerations in those areas?" Response: *All work is outside of the railroad right-of-way, and no permits will be required for this work. DOTD permits have been applied for, and we are awaiting official permits for the work that tie-in and water line installations that take place within the DOTD right-of-way. The Contractor will have to adjust their work locations (if necessary) should work commence prior to permit procurement.*
- H. Subsequent to the Pre-Bid Conference, the following question was asked: "Are there any restrictions on temporarily blocking driveways, streets etc. when stringing, fusing, or boring HDPE pipe?" Response: *Per the minutes within this document for the Pre-Bid Meeting (See **Part 3 – Summary of Pre-Bid Meeting**), commercial and residential driveways cannot be blocked for any extended periods of time. Should any blockages be unavoidable in certain areas, then the Contractor must notify residents and business owners a minimum of 1 week in writing prior to work within their vicinity so that proper preparations can be made by residents and businesses in advance of such work.*
- I. Subsequent to the Pre-Bid Conference, the following question was asked: "Is there any provision to pay for surface features that may be disturbed such as fences, shrubs, sod/grass, etc.?" Response: *All such work (disturbances to fences/gates, trees, shrubs, sod/grass, etc.) will be at no additional payment to the Contractor. For additional guidance on this, please see General Note Nos. 15, 16, & 30 on Plan Sheet G2.*
- J. Subsequent to the Pre-Bid Conference, the following question was asked: "The new waterlines will pass under some large live oak trees, such as on Sheet C6, Sta 55+00 – are there any restrictions/requirements on working near or boring under such trees?" Response: *Please see General Note No. 15 for further details regarding construction requirements in the vicinity of trees. The Engineer may consider route adjustments in the field if all parties agree that a route shift is warranted to protect larger trees.*
- K. Subsequent to the Pre-Bid Conference, the following question was asked: "It was stated at the pre-bid conference that the existing utility location through the one-call system may be unreliable. As such, we will have to do a considerable amount of exploratory excavation, especially along the bore paths. Will you please clarify whether this exploration will be paid for by Item 4, Exploratory Excavation? Are there any instances where exploratory excavation to confirm existing utilities or other conditions will not be paid

under that item?" Response: *Exploratory excavation will be paid for as per under Item 4 of the Bid Form and as described in Section 01250, Measurement and Payment.; please bid the project accordingly. Instances where exploratory excavation will not be paid for to confirm existing utilities include the digging of entry and exit bore pits since such pits would have already needed to be dug for HDPE drills (see Items 4 and 9 within Section 01250, Measurement and Payment).*

- L. Subsequent to the Pre-Bid Conference, the following question was asked: "There is no way for bidders to determine the type, extent, or cost of the items described in the measurement & payment for Item 21, Removal of Structures and Obstructions. In order to ensure comparable bids, would you consider making this item an allowance similar to Item 20?" Response: *No, this item will remain as shown on the Bid Form.*

- M. Subsequent to the Pre-Bid Conference, the following question was asked: "The Hot Tap Type A detail on Sheet G3 shows an HDPE 90-degree bend. Would you allow PVC pipe with an MJ 90 and a HDPE MJ adapter to connect to the new HDPE line?" Response: *Yes, the Engineer will allow this for Contractor convenience; however, any additional fittings, restraints, adapters, piping, labor, equipment, excavation, and/or any other incidentals required to facilitate this change will be at no additional payment to the Contractor. The Contractor will be paid the same regardless of the methodology of installation. Any changes proposed for Plan Details and Specification requirements must be submitted to the Engineer for approval.*

- N. Subsequent to the Pre-Bid Conference, the following question was asked: "Will restrained joint PVC pipe (such as Certa-Lok) be allowed for HDD instead of HDPE pipe if warranted by the installation conditions?" Response: *No, Certa-Lok pipe cannot be used in lieu of HDPE for HDD drills.*

- O. Subsequent to the Pre-Bid Conference, the following question was asked: "Will you allow Hymax or Romac-style couplings to connect PE or PVC pipe at tie-ins where fusing is not feasible?" Response: *No, these coupling types will not be allowed in lieu of fused fittings because of thermal expansion and contraction that would take place within this joint type.*

- P. Subsequent to the Pre-Bid Conference, the following question was asked: "The measurement & payment for Item 9 says that all of the adapters, transitions, etc. for the HDPE bores are to be included in the unit price. If conditions require shorter bores and more tie-ins & adapters than shown on the plans, how will the additional items be paid - under the ductile iron fittings or the Infrastructure item?" Response: *Shorter bores for Contractor*

convenience are not justification for more fittings, adapters, etc. Bid the project as designed. Should field issues necessitate a plan change, then these changes will be dealt with at that time.

- Q. Subsequent to the Pre-Bid Conference, the following question was asked: “If existing utilities and/or other conditions require the HDD pipe to be installed at a depth subject to frac-out beyond the contractor’s control or ability to foresee, will you consider compensation for the containment and disposal of the material?” Response: *In no instance will HDD drills be allowed where frac-outs are expected, and correction of frac-out issues will not be paid for by the Owner. The Contractor is responsible for containment of drilling fluids and must control drilling pressures to ensure no frac-outs. Should any frac-outs occur, the Contractor is fully responsible for all cleanup efforts.*
- R. Subsequent to the Pre-Bid Conference, the following question was asked: “The details on Sheet G4 show various imported bedding and backfill material for excavated pipe in certain conditions. There is no pay item for this material; do you know where it will be required, or consider a pay item for any such material that may be needed?” Response: *There is no separate payment for pipe bedding since this is included within the costs for piping; please refer to Section 01250, Measurement and Payment, for further explanation of what is included within each of the piping items on the Bid Form. Typical and poor soil condition bedding details are shown on Sheet G4, but the Poor Soil Conditions bedding detail will be deleted since these conditions are not expected. See **Part 6 – Drawings** for further direction.*
- S. Subsequent to the Pre-Bid Conference, the following question was asked: “All of the tie-in items are listed as on either existing CI or PVC pipe – can we assume that there is no asbestos-cement (AC) pipe in the project area?” Response: *The Engineer cannot guarantee that there will not be AC pipe anywhere on the project. If this type of tie-in becomes necessary in the field, then it will be dealt with at that time.*
- T. Subsequent to the Pre-Bid Conference, the following question was asked: “Please clarify Sheets CT1-CT5 – along with the 1120’ of HDPE, there are several items undetermined, along with the 725’ of pipe on Sheets CT4 & CT5 being used only if the Alternate 1 tie-in detail is used. Are these items part of the base bid quantities, or should there be an alternate bid?” Response: *The quantities shown in the Bid Form are for the larger footage alternate (i.e., the worst-case scenario), so there is a possibility that the footage for piping could be reduced depending on which scenario is encountered in the field. There will*

not be an alternate in the Bid Form for this since the actual field conditions are unknown.

- U. Subsequent to the Pre-Bid Conference, the following question was asked: "Sheet C6 shows some 3" HDPE pipe to be installed, but there are no pay items for anything 3" other than Item 25, which appears to be for the valve shown on Sheet CT2. Please clarify." Response: *A revised Bid Form has been included with this addendum and will have an item for 3" HDPE; see **Part 5 - Specifications** for further information related to the revised Bid Form.*

- V. Subsequent to the Pre-Bid Conference, the following question was asked: "In the Unit Price Form, Item 27 is listed as an Additive Alternate to the Base Bid. Under the "ALTERNATES" on the first page of the Bid Form, it says "Owner to provide description of alternate and state whether add or deduct." Please clarify if this language needs to be included on the Bid Form." Response: *A revised Bid Form has been included with this addendum; see **Part 5 - Specifications** for further information related to the revised Bid Form.*

- W. Subsequent to the Pre-Bid Conference, the following question was asked: "Sheet CT-1 shows 8" PVC C900 DR26 pipe for the tie-in between the two existing lines; Item 10 in the Bid Form is for 8" PVC C900 DR18. Please clarify." Response: *The piping is intended to be DR 18 as shown on the Bid Form; see **Part 6 - Drawings** for further corrections and information related to this change.*

- X. Subsequent to the Pre-Bid Conference, the following question was asked: "Where PVC pipe will be required between the various bores and tie-ins, will it be paid under Item 10, or will it need to be included in the tie-ins?" Response: *See Details on Sheet G3 which do not depict any PVC piping for tie-ins; see response to Question N within this section of the addendum.*

- Y. Subsequent to the Pre-Bid Conference, the following question was asked: "Is the project exempt from any taxes?" Response: *Yes, this project is exempt from taxes; see **Part 5 - Specifications** for further clarification related to this item.*

- Z. Subsequent to the Pre-Bid Conference, the following question was asked: "On Sheet M-06, there are two call-out bubbles labeled "13", one of which points to the tank riser. Is this correct?" Response: *No, the "13" bubble pointing to the tank riser is to be changed to read "15". See **Part 6 - Drawings** for further information on the revised drawing.*

- AA. Subsequent to the Pre-Bid Conference, the following question was asked: "Is a tap required on the tank riser to install the new pressure indicating transmitter?" Response: *No, there is an existing tap on the tank to be utilized for the pressure indicating transmitter; adapt as required to the existing tap.*
- BB. Subsequent to the Pre-Bid Conference, the following question was asked: "Per the Supplementary Conditions SC-5.06.A - Notates that Property Insurance is required on this project. Is Property Insurance required for this project, as this is not industry standard insurance requirements compared to the work items as project is mostly all Underground work. Please specify." Response: *Insurance requirements will remain as per what is shown in the Supplementary Conditions of the Specifications.*
- CC. Subsequent to the Pre-Bid Conference, the following question was asked: "Per the Supplementary Conditions SC-5.06.A.2 - Notates Builder's Risk "All-Risk" Insurance is required on this project. Is this required for this project, as this is not industry standard insurance requirements compared to the work items as project is mostly all Underground work. Please specify." Response: *Insurance requirements will remain as per what is shown in the Supplementary Conditions of the Specifications.*

Part 5 – Specifications

- A. Standard Conditions of Construction Contract, Article 6.10 – Remove and replace Article 6.10, Taxes, in its entirety with the following:
- "6.10 Taxes
This project will be exempt from sales tax."
- B. Remove Bid Form in Division 0, Bid Forms, and replace with revised Bid Form (Revised 2/26/24 – Add. No. 1).
- C. Remove Section 01250, Measurement and Payment, and replace with revised Section 01250, Measurement and Payment (Revised 2/26/24 – Add. No. 1).

Part 6 – Drawings

- A. Sheet G4 – Remove Detail 7, Trench and Backfill Zone (Poor Soil Conditions), from this sheet.

- B. Sheet CT1 – Remove and replace the callout within Inset “A” which reads “Tie Existing 6” Pipe to Existing 8” C900 DR 26 PVC Pipe with 8” Pipe” with “Tie Existing 6” Pipe to Existing 8” C900 DR 18 PVC Pipe with 8” Pipe”.
- C. Sheet CT5 – Remove and replace reference in the center of the page which reads, “Install 8” HDPE DIOD DR 11 by Horizontal Directional Drill Method – 725 Ft Total Length (Note: HDPE Not Required If Using Alternate No. 2 for the Tie-In (See Sheet R-G6))” with “Install 8” HDPE DIPS DR 11 by Horizontal Directional Drill Method – 725 Ft Total Length (Note: HDPE Not Required If Using Alternate No. 2 for the Tie-In (See Sheet CT4))”.
- D. Sheet M-06, Drawing 1, Proposed Site Plan – Change the callout bubble that points to the McCall tank riser. Strike the number “13” in the bubble and replace it with the number “15”, such that this callout bubble correlates to “15” in the Index Table on this sheet (description of required new pressure transmitter).

END OF ADDENDUM NO. 1



WATER SECTOR PROGRAM (ROUND 1)
NON-MANDATORY PRE-BID MEETING
PARISH OF ASCENSION

MCKIM & CREED PROJECT NO. 08391-0010
PARISH OF ASCENSION PROJECT NO. PM-21-09-002
MONDAY, FEBRUARY 12, 2024 @ 10:00 A.M.



SIGN IN SHEET

NAME:

COMPANY:

PHONE NO.:

EMAIL ADDRESS:

DEAN THOMASON

AP

225-454-9253

DEAN.T.HOMASON@APGov.US

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DAVID KOZAN

OWEN AND WHITE, INC.

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dkozan@owenandwhite.com

Beau Landry

NCMC - LLC

504-874-1918

Beau@ncmc-llc.com



Division 0 – Article 1
LOUISIANA UNIFORM PUBLIC WORKS BID FORM

TO: <u>Ascension Parish Government</u> <u>P.O. Box 2392</u> <u>Gonzales, Louisiana 70707</u> <i>(Owner to provide name and address of owner)</i>	BID FOR: <u>Ascension Parish Water Sector Program</u> <u>(Round 1)</u> <u>Project No. PM-21-09-002</u> <u>Engineer Project No. 08391-0010</u> <i>(Owner to provide name of project and other identifying information)</i>
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The undersigned bidder hereby declares and represents that she/he: a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: McKim & Creed, Inc. and dated: February, 2023.
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) _____ .

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____ Dollars (\$ _____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 *Palo Alto Control Valve (Item 28 in Bid Form & Section 01250) - Add for the lump sum of:*

_____ Dollars (\$ _____)

Alternate No. 2 *(Owner to provide description of alternate and state whether add or deduct) for the lump sum of:*

_____ Dollars (\$ _____)

Alternate No. 3 *(Owner to provide description of alternate and state whether add or deduct) for the lump sum of:*

_____ Dollars (\$ _____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** **A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.



**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

TO: Ascension Parish Government
P.O. Box 2392
Gonzales, Louisiana 70707

BID FOR: Ascension Parish Water Sector Program
(Round 1)
Project No. PM-21-09-002
Engineer Project No. 08391-0010

(Owner to provide name and address of owner)

(Owner to provide name of project and other identifying information)

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# MOBILIZATION			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
1	1	LUMP SUM		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# CONSTRUCTION PHOTOGRAPHS			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
2	1	LUMP SUM		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# AUDIO/VIDEO SURVEY			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
3	1	LUMP SUM		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# EXPLORATORY EXCAVATION			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
4	30	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# HOT TAP EXISTING 6" CI PIPE TYPE A			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
5	1	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# HOT TAP EXISTING 8" CI PIPE TYPE A			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
6	30	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# HOT TAP EXISTING 6" CI PIPE TYPE B			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
7	3	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# HOT TAP EXISTING 8" CI OR PVC PIPE TYPE B			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
8	3	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# 8" DIPS HDPE DR11			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
9	9800	LINEAR FOOT		



DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# 8" C900 PVC DR18			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
10	100	LINEAR FOOT		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# DUCTILE IRON FITTINGS			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
11	1	TON		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# 8" ISOLATION VALVE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
12	7	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# FIRE HYDRANT ASSEMBLY INSTALLED ON PIPE 0 TO 6 FT DEEP			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
13	30	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# FIRE HYDRANT ASSEMBLY INSTALLED ON PIPE 6.1 TO 12 FT DEEP			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
14	5	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# REMOVE AND REPLACE ASPHALT STREET			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
15	100	SQUARE YARD		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# REMOVE AND REPLACE CONCRETE STREET			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
16	50	SQUARE YARD		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# REMOVE AND REPLACE 6" THICK CONCRETE DRIVEWAY			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
17	50	SQUARE YARD		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# REMOVE AND REPLACE 4" THICK CONCRETE SIDEWALK			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
18	100	SQUARE YARD		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# TRAFFIC MAINTENANCE LIMESTONE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
19	150	SQUARE YARD		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# RELOCATION OF INFRASTRUCTURE ITEMS			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
20	1	LUMP SUM	\$50,000.00	\$50,000.00
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# REMOVAL OF STRUCTURES AND OBSTRUCTIONS			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
21	1	LUMP SUM		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# PROJECT SIGN			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
22	1	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# 4" INSERTION VALVE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
23	1	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# 6" INSERTION VALVE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
24	2	EACH		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# CUT IN 3" GATE VALVE IN THE EXISTING 3" WATER MAIN			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
25	1	EACH		



DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# MCCALL BOOSTER STATION SYSTEM			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
26	1	LUMP SUM		
DESCRIPTION:	X Base Bid or <input type="checkbox"/> Alt.# 3" IPS HDPE DR11			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
27	300	LINEAR FEET		
DESCRIPTION:	<input type="checkbox"/> Base Bid or X Alt.#1 PALO ALTO CONTROL VALVE (ALT. NO. 1)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
28	1	LUMP SUM		

TECHNICAL SPECIFICATIONS
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SECTION 01250 - MEASUREMENT AND PAYMENT

PART - I GENERAL

1.01 SCOPE OF WORK

- A. The scope of this section defines the method of measurement for each bid item. Payment will be made based on the description of each item included in this section as stated in the Bid Form.
- B. All contract prices included in the Bid Form will be full compensation for all labor, materials, tools, equipment and incidentals necessary to complete the construction as detailed on the Drawings and/or as describes in the Specifications for the Work to be performed in the Contract. Actual quantities of each item bid on a unit price basis will be determined upon completion of the construction. Payment for all items in the Bid Form will constitute full compensation for the Work to be performed in the Contract. Any item appearing in this Measurement and Payment Section which is not listed in the proposal form shall be included in the cost of other items listed in the Proposal Form.
- C. The Contractor is advised that other items of work (for which no specific payment items have been established) may be necessary to complete the Work in accordance with the Contract Documents. No payment or claim for payment shall be made for these items of work and their cost shall be included in items for which payment items have been established.

1.02 MOBILIZATION (ITEM 1)

- A. Measurement - Measurement of work for payment of this item shall be on a lump sum basis.
- B. Payment - Payment for Mobilization shall be made at the contract unit price bid and shall be full compensation for all preparatory work including those necessary for movement of personnel, equipment, supplies and incidentals to the project site; the establishment of offices, buildings, and other facilities necessary for the work on the project; the cost of bonds and any required insurance; and other pre-construction expenses necessary for start of work, excluding the cost of construction materials.
- C. Payment for mobilization shall be subject to the following provisions:
 - 1. Partial payment for mobilization will be made in accordance with the following schedule up to a maximum of 10 percent of the original total contract amount, including this item, and payment of any remaining amount will be made upon completion of all work under this Contract.
 - 2. Contractor shall present a breakdown of costs under this payment item in accordance with the requirements for preparing a Schedule of Values to show costs for 1) Bonds, 2) Insurance, 3) Audio/Video Survey (unless a separate

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SECTION 01250 - MEASUREMENT AND PAYMENT

payment item has been provided for this work), and 4) other costs under this pay item. Upon presentation of invoices with the first payment application for the Bonds the Insurance and the Audio/Video Survey items, payment will be made for the cost of these items and the remaining cost under this pay item shall be made by the following schedule.

PERCENT OF TOTAL CONTRACT AMOUNT EARNED	ALLOWABLE PERCENT OF LUMP SUM PRICE FOR THE ITEM
1st Partial Estimate	25
10	50
25	75
50	100

1.03 CONSTRUCTION PHOTOGRAPHS (ITEM 2)

- A. Measurement - Measurement of work for payment of this item shall be on a lump sum basis and shall include all construction photographs required by the Project Specifications, with the exception of any photographs included in the audio-video survey.
- B. Payment – Payment of the amount bid for this item shall be full compensation for furnishing all necessary labor, materials, tools, equipment, film, recording material, and any other incidentals necessary to provide and deliver a full set of construction photographs in accordance with the requirements set forth in Section 01350, Construction Photographs, of the Project Specifications.

1.04 AUDIO/VIDEO SURVEY (ITEM 3)

- A. Payment of the lump sum established in the bid will be full compensation for all labor, materials, and equipment required to do all work specified in the Contract Documents, with the exception of construction photographs.
- B. Payment for this item shall occur only after the audio/video tapes have been completed and are satisfactory to the Engineer and Owner and/or his approved agent.

1.05 EXPLORATORY EXCAVATION (ITEM 4)

- A. Measurement - Measurement of this work shall include all labor, equipment, materials, incidentals (such as, but not necessarily limited to, temporary sheet piling if standard side slopes not used and dewatering pumps if groundwater encountered) and qualified personnel to perform exploratory excavation with dimensions of up to 20 feet long by 10 feet wide by 10 feet deep, in those areas identified on the Plans or when requested by the Engineer or his representative, for other areas where underground utility locations are not well defined. The

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operation includes all necessary equipment, materials, incidentals, and labor for excavation, as well as all such work, equipment, materials, incidentals and labor for the additional work of backfilling and restoration of the excavated holes and voids created by construction operations as per the Specifications. It shall also include the work, equipment, incidentals, and personnel necessary to determine the elevations of conflicting utilities and whether pipe joints require mechanical joint restraint.

- B. Payment - Beyond those areas designated on the Plans for exploratory excavation, payment will only be given for this item when directed to perform such exploratory excavation by the Engineer. Payment for this item will be made on a per each basis at the contract unit price bid, measured as provided above, which price and payment shall be full compensation for furnishing all labor, materials, equipment and personnel to determine the elevations of conflicting utilities and verify line locations. If the Contractor digs two small pits immediately adjacent to each other and both pits are smaller than the overall allowable dimensions allowed for one pit, the Contractor will not be provided payment for two separate Exploratory Excavation items; the Contractor will be provided payment for only one item, unless otherwise designated by the Engineer.
- C. Payment shall not be made under this item for excavating HDD entry and exit pits unless the existing water mains are not located by the normal entry/exit pit excavation.

1.06 HOT TAP EXISTING PIPE (ITEMS 5 through 8)

- A. Measurement – Measurement of work for this item shall be for each hot tap that is made on an existing pipe, including providing and installing the tapping sleeve, tapping valve, MJ/HDPE adapters, ductile iron sleeves or reducers, HDPE tees or 90 degree bends, and any other incidentals required to complete this item in full accordance with the hot tap details.
- B. Payment - Payment for this item shall be made at the contract unit price bid, measured as provided above, which price and payment shall be full compensation for furnishing all labor, materials (including tapping tee, full port tapping valve, appurtenances, and any other required materials), equipment and incidentals required to load, haul, unload, place, set, block, brace, backfill, compact, test, sterilize, chlorinate, etc., to complete Hot Tap Existing Pipe in full accordance with the Contract Documents.

Payment shall be according to the following bid items:

Hot Tap Existing 6" CI Pipe Type A	Ea.
Hot Tap Existing 8" CI Pipe Type A	Ea.
Hot Tap Existing 6" CI Pipe Type B	Ea.
Hot Tap Existing 8" CI Pipe Type B	Ea.

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1.07 8" DIPS HDPE DR11 (ITEM 9)

- A. Measurement and Payment of the quantity established in the Bid for this item shall be full compensation for furnishing all materials, labor, equipment (drill rig, fusing machine, data logger, etc. included), and incidentals required to fully complete the construction as specified and as shown on the Drawings and/or specified herein.
- B. Measurement and Payment shall also include all necessary excavation associated with the setup and breakdown of entry and exit pits to perform the horizontal directional drills and to tie-in HDPE piping to existing water mains via the Hot Tap items listed above.
- C. Measurement and Payment shall also include all HDPE piping required to be provided to achieve the horizontal directional drill. This shall include all necessary fittings, adapters, and incidentals required to transition and tie-in this piping into existing water mains depicted on the Plans. It also includes all materials, labor, equipment, and incidentals required to fuse piping, lay out piping in preparation for drill, lay out and set pipe on rollers (if required), attach drilling heads, mix and inject drilling mud fluid with any required additives, move and locate drilling rig, drill pilot holes, ream out pilot holes as required, directionally drill HDPE, and collect, haul off, and dispose of all generated cuttings and mud.
- D. Measurement and Payment shall also include all HDPE necessary submittals indicated by the Specifications. This includes, but is not necessarily limited to, pre-qualifications experience, HDD methodology, instrumentation and surface settlement monitoring plans, daily work logs, record drawings of alignment and profile, and overall direction drill plan with pit locations, intended profile, entry and exit angles, drilling mud design and MSDS sheets, etc.
- E. Payment – Payment for 8" DIPS HDPE DR11 will be made at the contract unit price, measured on a linear footage basis from horizontal station entry point to horizontal station exit point. Any additional footage necessary to complete the drills (including pipe footage to ground level, both entry and exit points, and additional piping above ground to complete bore) in accordance with the Plans and these Specifications due to vertical elevation changes shall be accounted for in the per liner foot pricing. Relocations of the drill entry and exit points for contractor convenience shall not constitute justification for additional compensation beyond that indicated on the Plans.

1.08 8" C900 PVC DR18 (ITEM 10)

- A. Measurement - Measurement of work for payment of this item shall be the actual measure per linear foot of 8" C900 PVC DR18 Water Main, Open Cut Installation of the size indicated complete, including testing and clean-up, and accepted without deduction for space occupied by valves or fittings and as approved by the Engineer.

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- B. Payment - Payment for this item shall be subdivided on the payment form providing for payment of 85% for installation, 5%, for successful testing and the remaining 10% for clean-up and restoration, including fertilizer and seeding when not paid under another pay item.

Payment for the pipe will be made at the contract unit price bid, measured as provided above, which price and payment shall be full compensation for furnishing all labor, materials, equipment and incidentals required to load, haul, unload, clearing and grubbing (unless a specific pay item has been included in the Bid Form), excavate, place, lay, join, bed, backfill, cover, compact, grade, test, sterilize, chlorinate, etc., the 8" C900 PVC DR18 Water) Main, Open Cut Installation of the size indicated and complete the item in accordance with the Contract Documents.

1.09 DUCTILE IRON FITTINGS (ITEM 11)

- A. Measurement - Iron fittings for pipe size three inches (3") and larger will be measured by an actual count in units of U.S. short tons of fittings and payment for mechanical joint and flanged joint fittings shall be made on the basis of published body weight for ANSI/ AWWA C153 for compact ductile iron (not grey iron) mechanical joint and flanged fittings and ANSI/AWWA C110 for full body ductile iron mechanical joint and flanged fittings, exclusive of weight for mortar linings, gasket, gland, bolts, and packaging. The same basis of measurement shall be used for ductile iron fittings used on ductile iron pipe, asbestos cement pipe, PVC pressure class pipe, or G.F.R. pipe. No measurement will be made for fittings on pipe smaller than three inches (3") or for steel or concrete fittings or PVC or GFR pressure rated plastic fittings, where allowed, and their payment shall be included in the pay item for the pipe.
- B. Where special fittings such as crosses or special pattern fittings are required, they will be measured as standard fittings as herein provided and any extra cost shall be included in the measurement and payment for the respective special type valve or appurtenance.
- C. When flanged or mechanical joint ductile iron fittings are required for the construction of a lump sum payment item such as a pump station, the cost of the fittings shall be included in the lump sum and will not be measured under this pay item.
- D. Ductile Iron Sleeves are considered to be incidental for the contractor's convenience or are to be included in the cost for tie-ins when indicated in the Bid Form and will not be measured for payment under this item.
- E. This item does not include payment for special fittings and adapters required for the tie-in of HDPE piping to DI piping/fittings. Such costs for these items are to be included with their respective bid items of HDPE piping.

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- F. Payment - The total quantity of Ductile Iron Fittings in U.S. short tons, placed and accepted, measured as provided above, will be paid for at the contract unit price for ductile iron fittings, which price and payment shall constitute full compensation for furnishing; hauling; installing; concrete thrust blocks or other restraint; and other requirements as required, including testing and sterilizing, that are required for the pipe to which the fitting is attached; and furnishing of all equipment, tools, labor and incidentals necessary to complete the item in accordance with the Drawings and Specifications.

1.10 8" ISOLATION VALVE (ITEM 12)

- A. Measurement - Measurement of work for payment of these items shall be the actual count (each) of valves installed as specified and as shown on the Drawings.
- B. Payment - Payment for this item shall be full compensation for furnishing all labor, materials, equipment, and incidentals required to furnish and install valves, complete as specified and as shown on the Drawings. The actual count (each) of valves installed, measured as provided above, will be paid for at the respective unit price bid for the 8" Isolation Valve for type and size of valve. No additional payment will be made for excavation; sheeting and bracing; backfill and compaction; testing; removal of excess earth; and other requirements, including testing and sterilizing, that are required for the pipe to which the valve is attached. No direct payment may be made for dewatering, including all pumping, well pointing, and other necessary operations. Payment shall include full compensation for furnishing, bedding and supporting, setting, joining, cleaning, sealing, testing, and all incidental work required in the installation of valves.

1.11 FIRE HYDRANT ASSEMBLY (ITEMS 13 AND 14)

- A. Measurement - Measurement of work for payment of this item shall be the actual count (each) of Fire Hydrant Assembly installed at the indicated depth, including 6-Inch Isolation Valve installed and accepted by the Engineer.
- B. Payment - Payment for this item shall be made at the contract unit price bid, measured as provided above, which price and payment shall be full compensation for furnishing all labor, materials, equipment and incidentals required to load, haul, unload, place, set, block, brace, backfill, compact, test and sterilize, etc., the Fire Hydrant Assembly, including but not limited to 6-Inch Isolation Valve, prefabricated fire hydrant leader of all lengths, 6" restrained joint PVC pipe in lieu of fire hydrant leader, thrust blocks, gravel drain beds, etc. complete in accordance with the Contract Documents and as instructed by the Engineer.
- C. Payment for the tee to which the 6" valve is attached will be paid under the Ductile Iron Fittings pay item.

Payment shall be according to the following bid items:

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Fire Hydrant Assembly Installed on Pipe 0 to 6 Feet Deep Ea.
Fire Hydrant Assembly Installed on Pipe 6.1 to 12 Feet Deep Ea.

1.12 REMOVAL AND REPLACEMENT OF ASPHALT OR CONCRETE (ITEMS 15 THROUGH 18)

- A. Measurement - Measurement of work for payment of this item shall be the actual number of square yards removed and replaced, as determined by the product of the pavement slab width and length or appropriate measurements of irregular areas as determined by field measurement and as approved by the Engineer.
- B. Payment - Payment for this item shall be at the contract unit price bid measured as provided above, which price and payment shall be full compensation for furnishing all labor, materials, equipment, and incidentals required to complete the removal of asphalt or concrete, complete as specified and as shown on the Drawings. Payment shall include full compensation for removal and disposal of asphalt or concrete.

Payment shall be according to the following bid items:

Remove and Replace Asphalt Street	Sq. Yd.
Remove and Replace Concrete Street	Sq. Yd.

1.13 TRAFFIC MAINTENANCE LIMESTONE (ITEM 19)

- A. Measurement - Measurement of work for payment of this item shall be the actual measure per square yard placed, compacted, and accepted and as approved by the Engineer.
- B. Payment - Payment for Traffic Maintenance Limestone shall be made at the contract unit price bid, measured as provided above, which price and payment shall be full compensation for furnishing all labor, materials, equipment and incidentals required to load, haul, unload, place, spread, and compact complete as specified and as shown on the Drawings. Maintenance of surface course aggregate shall be included in the bid price for this item and no additional payment will be paid for maintenance.

1.14 RELOCATION OF INFRASTRUCTURE ITEMS (ITEM 20)

- A. Measurement - Measurement of work for payment of this item shall be on a lump sum basis.
- B. Payment - Payment for Relocation of Infrastructure Items will be made at the contract lump sum price bid and shall be full compensation for the actual cost of relocating, repairing, replacing or removing any unforeseen utilities, structures, trees; such as but not limited to, water, sewer, gas, electrical, and subsurface drainage systems that are in conflict with the items to be installed in this project.

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Such relocations shall not be undertaken by the Contractor unless specifically approved by the Project Engineer prior to such work. Any deviation from this policy will result in lack of payment to the Contractor for such relocation work. Any remaining money in the designated unit price at the end of the Project will not be paid to the Contractor, but instead credited to the Owner in the final project closeout.

1.15 REMOVAL OF STRUCTURES AND OBSTRUCTIONS (ITEM 21)

- A. Measurement - Measurement of work for payment of this item shall include any removal, relocation, and/or disposal of old and abandoned pipe/culverts not otherwise specified in the Contract Documents, structures, concrete, trees, tree stumps, roots, piping, signs, fencing, and any other miscellaneous items required for the construction of the upgrades associated with this project. The measurement of this item shall be on a lump basis as established in the unit bid price and shall also include all salvaging of material and backfilling of trenches, holes, and pits.
- B. Payment - Payment for this item shall be at the contract unit price bid measured as provided above, which price and payment shall be full compensation for furnishing all labor, materials, equipment, and incidentals required to complete the satisfactory removal, relocation and/or disposal of installation of the culverts, structures, concrete, buried trees, tree stumps, roots, piping, signs, fencing, and any other miscellaneous items encountered in, but not specifically limited to, the construction of the levee, roadways, and/or pond dredging and pond excavation, in accordance with the work items specified and shown on the Plans. It also includes salvaging of materials and backfilling trenches, holes, and pits created by the removal of such structures and obstructions with select backfill. Payment for clearing and grubbing is under separate bid item.

1.16 PROJECT SIGN (ITEM 22)

- A. Measurement and Payment of the lump sum established in the Bid for each Project Sign shall be full compensation for furnishing shop drawings, fabricating and delivering the sign, erection, maintenance, and incidentals required to complete each Project Sign, in accordance with the Contract Documents. Payment shall include full compensation for all work required to complete each Project Sign.

1.17 INSERTION VALVE (ITEMS 23 AND 24)

- A. Measurement for this item will be for each Insertion Valve in accordance with the size of the valve as shown on the Bid Form and on the Drawings, which shall include excavation, cleaning and inspecting the existing pipe, installation of the insertion valve body on the existing pipe, cutting an opening for the valve gate in the existing pipe, installation of the gate and operator onto the valve body, backfilling and dressing the ground surface at the excavation site.

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- B. Payment for installation of each Insertion Valve shall be full compensation for performing all work to complete the installation of each Insertion valve as described above and in accordance with the Specifications.

Payment shall be according to the following bid items:

- 4" Insertion Valve Ea.**
6" Insertion Valve Ea.

1.18 CUT IN A 3" GATE VALVE IN THE EXISTING 3" WATER MAIN (ITEM 25)

- A. Measurement for this item will be for each Cut In 3" Gate Valve In The Existing 3" Water Main as shown on the Bid Form and on the Drawings, which shall include excavation, cleaning and inspecting the existing pipe, cutting a section from the existing pipe, installation of the gate valve, including plain pipe spools and restrained pipe sleeves, backfilling and dressing the ground surface at the excavation site.
- B. Payment for installation of each Cut In 3" Gate Valve In The Existing 3" Water Main shall be full compensation for performing all work to complete the installation of each valve as described above and in accordance with the Specifications and Drawings.

1.19 MCCALL BOOSTER STATION SYSTEM (ITEM 26)

- A. Measurement and Payment for the McCall Booster Station System shall be lump. The lump sum amount will be full compensation for this item per 1.01 of this section.

Investigative excavations called for on the drawings below shall be included in the lump sum. Work is required on two sites, as indicated on the Drawings.

- B. This item shall include all work as shown on the following Drawings:

1. M-01 OVERALL BOOSTER SYSTEM SITE
2. M-02 BOOSTER SYSTEM SCHEMATIC
3. M-03 BOOSTER SYSTEM P&IDS
4. M-04 BOOSTER SYSTEM TIE IN PLAN
5. M-05 EXISTING MCCALL BOOSTER SITE
6. M-06 PROPOSED MCCALL BOOSTER SITE
7. M-07 EXISTING PALO ALTO SITE
8. M-08 PROPOSED PALO ALTO SITE PLAN
9. M-09 PIPE RESTRAINT
10. M-10 PIPING DETAILS
11. E-01 MCCALL ELECTRICAL SITE PLAN
12. E-02 PALO ALTO ELECTRICAL SITE PLAN
13. E-03 ELECTRICAL RISER DIAGRAM & DETAILS

TECHNICAL SPECIFICATIONS
DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01250 - MEASUREMENT AND PAYMENT

14. E-04 ELECTRICAL DETAILS

1.20 3" IPS HDPE DR11 (ITEM 27)

- A. Measurement and Payment of the quantity established in the Bid for this item shall be full compensation for furnishing all materials, labor, equipment (drill rig, fusing machine, data logger, etc. included), and incidentals required to fully complete the construction as specified and as shown on the Drawings and/or specified herein.
- B. Measurement and Payment shall also include all necessary excavation associated with the setup and breakdown of entry and exit pits to perform the horizontal directional drills and to tie-in HDPE piping to existing water mains via the Hot Tap items listed above.
- C. Measurement and Payment shall also include all HDPE piping required to be provided to achieve the horizontal directional drill. This shall include all necessary fittings, adapters, and incidentals required to transition and tie-in this piping into existing water mains depicted on the Plans. It also includes all materials, labor, equipment, and incidentals required to fuse piping, lay out piping in preparation for drill, lay out and set pipe on rollers (if required), attach drilling heads, mix and inject drilling mud fluid with any required additives, move and locate drilling rig, drill pilot holes, ream out pilot holes as required, directionally drill HDPE, and collect, haul off, and dispose of all generated cuttings and mud.
- D. Measurement and Payment shall also include all HDPE necessary submittals indicated by the Specifications. This includes, but is not necessarily limited to, pre-qualifications experience, HDD methodology, instrumentation and surface settlement monitoring plans, daily work logs, record drawings of alignment and profile, and overall direction drill plan with pit locations, intended profile, entry and exit angles, drilling mud design and MSDS sheets, etc.
- E. Payment – Payment for 3" IPS HDPE DR11 will be made at the contract unit price, measured on a linear footage basis from horizontal station entry point to horizontal station exit point. Any additional footage necessary to complete the drills (including pipe footage to ground level, both entry and exit points, and additional piping above ground to complete bore) in accordance with the Plans and these Specifications due to vertical elevation changes shall be accounted for in the per liner foot pricing. Relocations of the drill entry and exit points for contractor convenience shall not constitute justification for additional compensation beyond that indicated on the Plans.

1.21 PALO ALTO CONTROL VALVE (ITEM 28) (ALT. NO. 1)

- A. Measurement for this item shall be measured on a lump sum basis for the piping, control valve, and electrical work shown on Sheets M-08 and E-02.

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- B. Payment shall be made for a complete and operable control valve as described above including the mechanical work shown on Drawings M-08 “Palo Alto Site Plan” and the electrical work shown on Drawing E-02.

PART - II PRODUCTS – NOT USED

PART - III EXECUTION – NOT USED

END OF SECTION