



January 21, 2026

Mr. Jeff Edmonds, P.E., Director of Engineering Services
City of Corpus Christi
1201 Leopard Street
Corpus Christi, TX 78401

RE: Mary Rhodes I Condition Assessment (Project No. 23027) – Amendment No. 3

Dear Mr. Edmonds:

Per CCW request HDR is submitting this amendment which provides descriptions and proposed costs to provide additional support to the MRP Condition Assessment Project. The work includes three (3) CCW requests for support which are described below and can be partially covered by re-allocation of an unused subconsultant budget.

Please let me know if you have any questions or need anything else.

Thanks,

A handwritten signature in blue ink that reads "Samuel Saldivar, Jr." in a cursive style.

Samuel Saldivar, Jr, P.E.
Civil Program Leader
Manager

A handwritten signature in black ink that reads "Scott A. Marr" in a cursive style.

Scott A. Marr, P.E.
Vice President

Enclosure: Exhibit A – Scope of Work

EXHIBIT A
MARY RHODES PIPELINE I CONDITION ASSESSMENT
CITY PROJECT NO.: 23027
AMENDMENT NO. 3

PROJECT DESCRIPTION

The project is needed to assess the condition of the 64-inch diameter Mary Rhodes Pipeline (MRP) Phase I water transmission main. The MRP Phase 1 conveys raw water from an intake pump station at Lake Texana southwest approximately 101 miles to the O.N. Stevens Water Treatment Plant in Corpus Christi, Texas.

PROJECT BACKGROUND

• ORIGINAL CONTRACT:

The project tasks & deliverables included in the MRP Ph I Condition Assessment:

- Project Management
- Condition Assessment Planning
- Data Collection and Survey
- Engineering Analysis and Recommendations Report
- Dry Run and Finalize Condition Assessment Plan
- Internal Condition Assessment
- External Pipe Assessment
- Additional Support
- Geotechnical Subconsultant
- Internal Condition Assessment Subconsultant

• AMENDMENT NO. 1:

This project amendment was needed to:

- Provide support for hydraulic analysis for Evangeline integration; and
- Perform an emergency internal assessment of a leaking 72" diameter section of the MRP

- AMENDMENT NO. 2:

This project amendment was needed to:

- provide additional support for the construction installation of additional air valves; and
- restore the condition assessment report budget that was used to support the air valve work.

- AMENDMENT NO. 3:

The project amendment is needed to:

- Coordinate integration of the Evangeline groundwater source into the MRP Phase I pipeline;
- Perform a MRP pump station capacity analysis;
- Perform a pressure exceedance area assessment; and
- Provide additional support to CCW for MRP Phases I analysis

I. SCOPE OF SERVICES

BASIC SERVICES

TASK 1. PROJECT MANAGEMENT.

ENGINEER will manage project team and resources which include updating the Project Management Plan (PMP), Project Approach and Resource Review (PARR), Project Reviews, and Subconsultant Management.

ENGINEER will also:

- manage change,
- communicate,
- coordinate internally and externally as needed, and
- proactively address issues with the CITY's Project Manager and others as necessary to make progress on the work.

1.1. Managing the Team

- Lead, manage and direct design team activities
- Maintain quality control during performance of the work
- Communicate internally among team members
- Task and allocate team resources

1.2. Communications and Reporting

- Attend a project kickoff/chartering meeting with CITY staff to confirm and clarify scope, understand CITY objectives, and provide economical and functional options that meet CITY requirements.
- Conduct review meetings with the CITY.
- Prepare monthly invoices and submit in the format requested by the CITY.
- Prepare and submit monthly progress reports in the format provided by the Water Department.
- Prepare and submit baseline Project Schedule initially, and Project Schedule updates with a schedule narrative monthly.

ASSUMPTIONS

- 12 monthly City progress reports will be prepared.

DELIVERABLES

- A. Meeting summaries with action items.
- B. Monthly invoices.
- C. Monthly progress reports.
- D. Baseline schedule in Microsoft Excel format.
- E. Monthly schedule updates with schedule narrative describing any current or anticipated schedule changes.

TASK 2. EVANGELINE INTEGRATION COORDINATION

ENGINEER shall coordinate with the Evangeline groundwater supply designers, Hanson and Pape-Dawson Engineers. The coordination is expected to include the following tasks:

- Review of physical connection locations and configurations.
- Responding to questions related to MRP hydraulic conditions under various pumping scenarios as requested.
- Participation in coordination calls and in-person meetings as requested.

ASSUMPTIONS

- CITY staff will attend coordination meetings.
- CITY will lead coordination with Evangeline representatives and assist with data collection related to proposed Evangeline pump station system.

DELIVERABLES

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- The format for deliverables will vary and is expected to include email, call/meeting summaries, and memos depending on the type and volume of information that is requested.

TASK 3. MRP PUMP STATION CAPACITY ANALYSIS

TASK 3.1. Evaluation of Woodsboro Pump Station to Convey 24 MGD of Evangeline Flow

ENGINEER will perform a pump station modification evaluation of pumps and motors at CITY's Woodsboro pump station to convey 24 MGD of Evangeline water.

As part of this task ENGINEER will review potential modifications to the pump stations or pumping strategy to pump additional Evangeline flow to the O.N. Stevens Water Treatment Plant. ENGINEER will also investigate vendor lead times for any recommended equipment.

ASSUMPTIONS

- CITY staff will provide access to pump stations and coordinate access with LNRA.

DELIVERABLES

- Woodsboro Pump Station Modification Evaluation TM.
- Workshop (Virtual)

TASK 3.2. Evaluation of LNRA, Bloomington, and Woodsboro Pump Stations to Convey 100 MGD

ENGINEER will perform a pump station modification evaluation of pumps and motors at CITY's Bloomington and Woodsboro pump stations and Lavaca Navidad River Authority (LNRA) intake pump station to convey 100 MGD of water.

As part of this task ENGINEER will review potential modifications to the pump stations or pumping strategy to pump additional Evangeline flow to the O.N. Stevens Water Treatment Plant. ENGINEER will also investigate vendor lead times for any recommended equipment.

ASSUMPTIONS

- CITY staff will provide access to pump stations and coordinate access with LNRA.

DELIVERABLES

- Pump Station Modification Evaluation TM.
- Workshop (Virtual)

TASK 3.3. Evaluation of Additional Pump Station on Evangeline Property

ENGINEER will analyze the hydraulic characteristics of constructing a new MRP pump station on Evangeline property in lieu of modifications to the Woodsboro Pump Station.

As part of this task ENGINEER will review potential MRP piping modifications to divert up to 24 MGD upstream of the Woodsboro Pump Station to a new MRP pump station and storage facility on Evangeline property which would reconnect to the MRP downstream of the Woodsboro Pump Station. The analysis will be summarized in a technical memo which will include an AACE Class 5 (Conceptual Screening Level) OPCC. ENGINEER will also investigate vendor lead times for major equipment.

ASSUMPTIONS

- CITY staff will provide access to pump stations and coordinate access to Evangeline property and property data.

DELIVERABLES

- Additional MRP Pump Station Evaluation TM.
- Workshop (Virtual)

TASK 3.4. Evaluation of Bloomington and Woodsboro Balancing Tanks to Convey 100 MGD

ENGINEER will perform an update to the Analysis of Balancing Tank Size TM that was submitted to CCW on October 7, 2025, to evaluate storage requirements to support MRP flows up to 100 MGD.

ASSUMPTIONS

- CITY staff will provide access to pump stations.

DELIVERABLES

- Analysis of Balancing Tank Size TM.
- Workshop (Virtual)

ADDITIONAL SERVICES

TASK 4. PRESSURE EXCEEDANCE AREA ASSESSMENT (WITH SUBCONSULTANT INSIGHT WATER)

ENGINEER will work with the City and subconsultant, Insight Water, to perform a follow-up internal condition assessment with an advanced tool with sonar and pressure sensors to more precisely locate suspected debris, blockage or air pockets suspected of causing pipeline pressure exceedances between LNRA and the Bloomington Pump Station. The data will be analyzed and summarized with findings and recommendations that address the pressure exceedances in a Technical Memo by ENGINEER.

ASSUMPTIONS

- CITY staff will provide access to pipeline and pump stations with dedicated support staff. CITY will escort HDR staff to select open air valve and isolation valve vaults to allow attachment of tool tracking sensors.
- CITY staff will contact landowners affected by work.

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- CITY staff will lead coordination with LNRA, SPMWD, and other customers affected by condition assessment work.
 - CITY staff will conduct operational changes to facilitate internal free-swimming tool to traverse the desired distance in the pipeline.

DELIVERABLES

- Technical Memo covering findings and recommendations from the follow up internal condition assessment inspection.

TASK 5. ADDITIONAL SUPPORT (TIME & MATERIAL)

ENGINEER will provide on-call support to CCW when requested for analysis, coordination, reviews, and hydraulic modeling related to integration of additional water supplies.

ENGINEER will provide additional support as requested by the CITY.

SERVICES NOT INCLUDED IN THE EXISTING SCOPE OF SERVICES

Additional Services not included in the existing Scope of Services – CITY and ENGINEER agree that the following services are beyond the Scope of Services described in the tasks above. However, ENGINEER can provide these services, if needed, upon the CITY's written request. Additional amounts paid to the ENGINEER because of material change to the Scope of the Project will be agreed upon in writing by both parties before the services are performed. These additional services include the following:

- Negotiation of easements or property acquisition including temporary rights-of-entry.
- Performance of pump testing or specialty testing services.
- Services related to acquiring real property including but not limited to easements, right-of-way, and/or temporary rights-of-entry.
- Services to support, prepare, document, bring, defend, or assist in litigation undertaken or defended by the CITY.
- Services related to pipeline or appurtenance design beyond what is provided in the original scope of work.
- Services related to additional length of pipe for design beyond what is provided in the original scope of work.
- Services related to clearing brush or debris for access to pipe and appurtenances of interest.

II. SCHEDULE

PROPOSED PROJECT SCHEDULE

START	FINISH	ACTIVITY
3/2026	3/2027	1.0 Project Management
3/2026	3/2027	2.0 Evangeline Integration Coordination
3/2026	8/2026	3.0 MRP Pump Station Capacity Analysis
3/2026	5/2026	Evaluation of Woodsboro PS Requirements to Convey 24mgd of Evangeline Flow TM Submittal
4/2026	6/2026	Evaluation of LNRA, Bloomington, & Woodsboro PS Requirements to Convey 100mgd TM Submittal
5/2026	7/2026	Evaluation of Additional MRP PS on Evangeline Property TM Submittal
6/2026	8/2026	Evaluation of Bloomington and Woodsboro Balancing Tank Requirements to Convey 100mgd TM Submittal
3/2026	6/2026	4.0 Pressure Exceedance Area Assessment TM Submittal
TBD	TBD	5.0 Additional Support

Note: Schedule is conceptual and will be revised periodically to reflect project changes including access constraints including rain, flooding, mowing, and permitting, review times, and scope adjustments.

III. FEES

Fee for Basic Services. The City will pay the A/E a fixed fee for providing for all “Basic Services” authorized as per the Summary Fee Table attached to this document. The fees for Basic Services will not exceed those identified and will be full and total compensation for all services outlined above and for all expenses incurred in performing these services. A/E will submit monthly statements for basic services rendered which will be based on A/E’s estimate (and City Concurrence) of the proportion of the total services actually completed at the time of billing. City will make prompt monthly payments in response to A/E’s monthly statements.

Fee for Additional Services. For additional services authorized by the Director of Engineering Services the City will pay the A/E a not-to-exceed fee per the Summary Fee Table attached to this document.

Subconsultant fees will include a 10 percent markup.

Summary of Fees

	Original Contract	Amendment 1	Amendment 2	Remaining Balance*	Amendment 3	Total Contract***
Basic Services:						
Project Management	\$41,925	\$38,042			\$24,705	\$104,672
Condition Assessment Planning	\$96,777					\$96,777
Data Collection and Survey	\$309,712					\$309,712
Engineering Analysis and Recommendations Report	\$97,865	\$269,556	\$105,000			\$472,421
Evangeline Integration Coordination					\$79,219	\$79,219
MRP Pump Station Capacity Analysis					\$259,617	\$259,617
Subtotal Basic Services	\$546,279	\$307,598	\$105,000		\$363,541	\$1,322,418
Additional Services:						
Dry Run and Finalize Condition Assessment Plan	\$18,576					\$18,576
Internal Condition Assessment	\$73,154	\$113,764				\$186,918
Direct (External) Pipe Assessment	\$42,888					\$42,888
Additional Support - Time & Materials	\$45,091				\$250,000	\$295,091
Geotechnical Subconsultant	\$27,500					\$27,500
Survey Subconsultant **	\$44,000			\$44,000	-\$44,000	\$0
Internal Condition Assessment Subconsultant**	\$1,705,000	-\$588,006	-\$105,000	\$413,545	-\$206,305	\$805,689
Permitting Coordination	\$5,114					\$5,114
Travel, Reproduction, Shipping, Lab**	\$72,659	\$10,000		\$10,226	\$9,291	\$91,950
Subconsultant (Specific Energy)		\$156,644				\$156,644
Pressure Exceedance Area Assessment					\$102,369	\$102,369
Subtotal Additional Services	\$2,033,982	-\$307,598	-\$105,000		\$111,355	\$1,732,739
						\$0
Summary of Fees:						
Basic Services Fees	\$546,279	\$307,598	\$105,000	\$0	\$363,541	\$1,322,418
Additional Services Fees	\$2,033,982	-\$307,598	-\$105,000	\$467,771	\$111,355	\$1,732,739
Total Authorized Fees	\$2,580,261	\$0	\$0	\$467,771	\$474,896	\$3,055,157
Council Approval	Admin Approval	Admin Approval			Pending Admin	
7/7/2023	8/6/2024	3/12/2025			Approval	

* Remaining Balance as of 12/27/25
 **These subtask budgets have unused funds that can be used for Amendment 3
 ***Original Contract + Amendments