

**CITY OF BASTROP, TX**  
**RESOLUTION NO. R-2026-51**

**A RESOLUTION OF THE CITY OF BASTROP, TEXAS, APPROVING AN ENGINEERING SERVICES CONTRACT WITH WALKER PARTNERS, FOR A NOT-TO-EXCEED AMOUNT OF TWO HUNDRED SIXTY-SIX THOUSAND, ONE HUNDRED SEVENTY DOLLARS AND ZERO CENTS (\$266,170.00) FOR ENGINEERING SERVICES REGARDING THE RELOCATION OF THE WEST WASTEWATER TREATMENT PLANT EFFLUENT OUTFALL PROJECT, AS ATTACHED IN EXHIBIT A; AUTHORIZING THE EXECUTION OF ALL NECESSARY DOCUMENTS; PROVIDING FOR FINDINGS OF FACT, REPEALER, SEVERABILITY, EFFECTIVE DATE, PROPER NOTICE, AND MEETING**

**WHEREAS**, the City Council of the City of Bastrop, Texas has appointed the City Manager as the Chief Administrative Officer of the City; and

**WHEREAS**, the City Manager is responsible for the proper administration of all affairs of the City; and

**WHEREAS**, the total cost of the services shall not exceed Two Hundred Sixty-Six Thousand, One Hundred Seventy Dollars and Zero Cents (\$266,170.00); and

**WHEREAS**, the City Council of the City of Bastrop finds that entering into an engineering services contract with Walker Partners is in the best interest of the City.

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of the City of Bastrop, Texas:

- Section 1. Findings of Fact:** The foregoing recitals are incorporated into this resolution ("Resolution") by reference as findings of fact as if expressly set forth word-for-word herein.
- Section 2:** That the City Manager is hereby authorized to execute an engineering services contract with Walker Partners for a not-to-exceed amount of \$266,170.00, herein attached as Exhibit A.
- Section 3:** All orders, ordinances, and resolutions, or parts thereof, which are in conflict or inconsistent with any provision of the Resolution are hereby repealed to the extent of such conflict, and the provisions of the Resolution shall be and remain controlling as to the matters resolved herein.

**Section 4. Repealer:** To the extent reasonably possible, resolutions are to be read together in harmony. However, all resolutions, or parts thereof, that are in conflict or inconsistent with any provision of this Resolution are hereby repealed to the extent of such conflict, and the provisions of this Resolution shall be and remain controlling as to the matters regulated.

**Section 5. Severability:** Should any of the clauses, sentences, paragraphs, sections, or parts of this Resolution be deemed invalid, unconstitutional, or unenforceable by a court of law or administrative agency with jurisdiction over the matter, such action shall not be construed to affect any other valid portion of this Resolution.

**Section 6. Effective Date:** This Resolution shall take effect upon the date of final passage noted below, or when all applicable publication requirements, if any, are satisfied in accordance with the City's Charter, its Code of Ordinances, and the laws of the State of Texas.

**Section 7. Proper Notice & Meeting:** It is hereby officially found and determined that the meeting at which this Resolution was passed was open to the public, and that public notice of the time, place, and purpose of said meeting was given as required by the Open Meetings Act, Texas Government Code, Chapter 551. Notice was also provided as required by Chapter 52 of the Texas Local Government Code.

**DULY RESOLVED AND ADOPTED** by the City Council of the City of Bastrop, Texas this 14<sup>th</sup> day of April, 2026.

**APPROVED:**

by:   
Ishmael Harris, Mayor

**ATTEST:**

  
Michael Muscarello, City Secretary



**APPROVED AS TO FORM:**

  
City Attorney  
Denton Navarro Rocha Bernal & Zech, P.C.

City of Bastrop West Wastewater Treatment Plant (Plant No. 3) Outfall Relocation Project														Project Fee Summary			
Walker Partners Level Of Effort														Basic Effort	\$	231,170	
3/2/2026														Supplemental	\$	35,000	
Detailed Overall Consultant Cost Breakdown														Total Effort	\$	266,170	

Task	Project Role	Jenkins	Winkler	Dunlop	Alvin			Walker			3-Man Crew		Total Hours	Total Labor Effort	Total Expense Effort	Total Sub Effort	Total Effort	Assumptions	
		Managing Principal/PM	Design Manager	Project Engineer	Design Tech			QC	Survey Manager	Project Surveyor	Survey Field Crew	Survey Tech VIII							
Hourly Bill Rate		\$385.00	\$290.00	\$155.00	\$160.00			\$385.00	\$210.00	\$195.00	\$235.00	\$130.00							
<b>Basic Services</b>																			
<b>1</b>	<b>Project Management</b>	27	24	28	8	0	0	0	12	4	0	0	0	103	28,435	195	0	28,630	
1.1	Monthly Invoice and Progress Report	3												3	\$ 1,155	\$ 65	\$ -	\$ 1,220	
1.2	Project Meetings	16	16	20	8			8	4					72	\$ 19,100	\$ 65	\$ -	\$ 19,165	
1.3	Project Coordination	8	8	8				4						28	\$ 8,180	\$ 65	\$ -	\$ 8,245	
														0	\$ -	\$ -	\$ -	\$ -	
														0	\$ -	\$ -	\$ -	\$ -	
<b>2</b>	<b>60% Design</b>	16	32	96	80	0	0	0	26	3	12	50	46	361	73,830	2,185	34,710	110,725	
2.1	Survey									3	12	50	46	111	\$ 20,700	\$ 2,120	\$ -	\$ 22,820	
2.2	Geotechnical Engineering													0	\$ -	\$ -	\$ 15,000	\$ 15,000	
2.3	Civil	16	24	80	80			12						212	\$ 42,940	\$ -	\$ -	\$ 42,940	
2.4	Structural													0	\$ -	\$ 65	\$ 7,710	\$ 7,775	
2.5	Environmental													0	\$ -	\$ -	\$ 12,000	\$ 12,000	
2.6	OPCC		8	16				2						26	\$ 5,570	\$ -	\$ -	\$ 5,570	
2.7	Quality Reviews							12						12	\$ 4,620	\$ -	\$ -	\$ 4,620	
<b>3</b>	<b>TCEQ Discharge Permit Application</b>	28	0	46	12	0	0	0	0	0	0	0	0	86	19,830	0	0	19,830	
3.1	Coordination Meeting w/ New Outfall with TCEQ	4		6										10	\$ 2,470	\$ -	\$ -	\$ 2,470	
3.2	Develop and Submit Amended Permit Application	24		40	12									76	\$ 17,360	\$ -	\$ -	\$ 17,360	
														0	\$ -	\$ -	\$ -	\$ -	
<b>4</b>	<b>Final Design Completion</b>	12	32	126	60	0	0	0	16	0	0	0	0	246	49,190	0	5,140	54,330	
4.1	Finalize Front-End Documents	8		16										24	\$ 5,560	\$ -	\$ -	\$ 5,560	
4.2	Coordinate Advertising Process	2		2										4	\$ 1,080	\$ -	\$ -	\$ 1,080	
4.3	Prepare Final Design Drawings		24	60	60									144	\$ 25,860	\$ -	\$ 5,140	\$ 31,000	
4.4	Prepare Final Technical Specifications		4	24										28	\$ 4,880	\$ -	\$ -	\$ 4,880	
4.5	Complete Final OPCC		4	16										20	\$ 3,640	\$ -	\$ -	\$ 3,640	
4.6	Complete Review							16						16	\$ 6,160	\$ -	\$ -	\$ 6,160	
4.7	Submit Documents for Permits	2		8										10	\$ 2,010	\$ -	\$ -	\$ 2,010	
<b>5</b>	<b>Bid and Award Services</b>	9	6	70	10	0	0	0	0	0	0	0	0	95	17,655	0	0	17,655	
5.1	Project Advertisement		2	16										18	\$ 3,250	\$ -	\$ -	\$ 3,250	
5.2	Bid Period Information Request	1	4	24	2									31	\$ 5,585	\$ -	\$ -	\$ 5,585	
5.3	Pre-Bid Conference	2		4										6	\$ 1,390	\$ -	\$ -	\$ 1,390	
5.4	Addenda		2	16	8									26	\$ 4,340	\$ -	\$ -	\$ 4,340	
5.5	Bid Opening	2		2										4	\$ 1,080	\$ -	\$ -	\$ 1,080	
5.6	Recommendation of Contract Award	2		8										10	\$ 2,010	\$ -	\$ -	\$ 2,010	
5.7																			
<b>Supplemental Services</b>																			
	<b>Additional Services</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35,000	35,000	
	Additional Environmental Services - If required - Nation Wide Permit and/or Texas Historical Commission													0	\$ -	\$ -	\$ 35,000	\$ 35,000	
														<b>Grand Total</b>	\$ 188,940	\$ 2,380	\$ 74,850	\$ 266,170	

Total Hours	Managing Principal	Design Manager	Project Engineer	Design Tech				QC	Survey Manager	Project Surveyor	Survey Field Crew	Survey Tech VII		
	92	94	366	170	0	0	0	54	7	12	50	46	710	

# Attachment A

Scope of Work, Fee, and Schedule for the Design of a New Outfall for the City of Bastrop's Wastewater Treatment Plant No. 3 (West Wastewater Treatment Plant).

## Project Objective

The purpose of this project is to design a new outfall for the City of Bastrop's Wastewater Treatment Plant No. 3. The design peak flow for the outfall will be 8.0 million gallons per day (MGD). The new outfall can be located on the same creek or stream as the existing outfall or on the Colorado River; however, the new outfall must be located within 300 feet of the confluence with the Colorado River to be considered within the mixing zone of the plant discharge into the Colorado River. This will allow the plant to maintain its current effluent water quality limits.

## Scope of Work

### 1.0 Task 1.0 - Project Management, Coordination, and Meetings

- 1.1. Prepare monthly invoices and project progress reports.
- 1.2. Project Meetings.
  - 1.2.1. Participate in an in-person, two-hour kickoff meeting with City at City's office. Meeting participation shall include all design team leaders including key subconsultants. Prepare and distribute project team list identifying name, contact details, and responsibilities. Prepare meeting minutes and submit for review and comment.
  - 1.2.2. Conduct weekly internal team coordination meeting. Track actions and decisions and communicate with City as required.
  - 1.2.3. Attend progress meetings with City for a total of six meetings. The assumed meeting duration is approximately one hour. Participants shall include key staff from City and Engineer, as well as key Engineer subconsultant staff. Meetings are assumed to occur virtually, but Engineer shall attend in-person if needed. Engineer shall prepare meeting minutes and submit for review and comment within 10 days of each meeting.
- 1.3. Project Coordination
  - 1.3.1. Manage and coordinate staff resources, subconsultants, and project planning.
  - 1.3.2. Develop and maintain a project schedule.
  - 1.3.3. Implement an electronic files management system using Microsoft Office 365 SharePoint platforms for document control and document sharing. Host and maintain the sites and provide access and training to others as required. Develop and coordinate drawing and graphic standards.
- 1.4. Task 1.0 Deliverables
  - 1.4.1. *Monthly invoices and project progress reports*
  - 1.4.2. *Meeting agendas and minutes*

## 2.0 Task 2.0 - Sixty Percent (60%) Design Submittal

- 2.1. Survey – Conduct topographic survey of area around new outfall location along creek. Survey will include trees in affected area – 8-inch hardwoods and larger and any tree greater than 18-inch diameter.
- 2.2. Geotechnical Engineering (Holt Engineering)
  - 2.2.1. Complete 2 geotechnical borings along new plant effluent piping route and at new area of outfall at the creek.
  - 2.2.2. Perform in-house laboratory testing consisting of conventional geotechnical tests such as soil classifications, moisture contents, Atterberg limits, grain size analyses, minus 200 sieves, unit weights and unconfined compression testing.
  - 2.2.3. A Geotechnical Report will be issued to include a generalized boring location plan, geologic plan, logs of borings with geologic formations, laboratory test results, and foundation recommendations for the new WWTP Outfall structure.
- 2.3. Civil
  - 2.3.1. Coordinate survey and when survey complete download survey data to create site drawing files for final design.
  - 2.3.2. Identify flood plain.
  - 2.3.3. Develop pipeline route. This will include activities such as: (1) determining pipe sizes; (2) layout roadways/truck access to outfall; (3) evaluate flood plain impacts and constraints.
  - 2.3.4. Develop preliminary erosion control plan for construction.
  - 2.3.5. Set preliminary coordinates and elevations of outfall structure.
  - 2.3.6. Define demolition requirements and limits. Define contractor staging, storage, access, and off-site access corridors.
  - 2.3.7. Prepare preliminary site grading drawings.
  - 2.3.8. Review plant's current hydraulic profile and determine if new pipeline, outfall structure, or flood plain findings impact existing profile.
  - 2.3.9. Select piping materials.
  - 2.3.10. Prepare first draft of all technical specifications.
  - 2.3.11. Determine site permit modifications required, if any.
- 2.4. Structural
  - 2.4.1. Once geotechnical report is complete, coordinate with civil engineer and geotechnical engineer on the selection of the outfall structural concepts.
  - 2.4.2. Review developed structural concepts with City of Bastrop staff for input on maintainability.
  - 2.4.3. Finalize materials for construction.
  - 2.4.4. Prepare first draft of all technical specifications.
- 2.5. Environmental
  - 2.5.1. Delineation of Waters of the United States
    - 2.5.1.1. Identify the jurisdictional limits of the streams and any on-channel ponds based on 33 CFR 328.3[e],

- 2.5.1.2. Delineate the jurisdictional limits of any potential wetlands based on the 1987 USACE Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Great Plains Region (Version 2.0), and current Regulatory Guidance Letters. The boundaries of all these waters features identified in the field will be recorded with a Global Positioning System (GPS) unit that is capable of sub-meter accuracy.
- 2.5.1.3. Digitize these waters of the United States for use by the engineer team and City of Bastrop for planning, impact calculation, and illustration purposes. This delineation will be used when planning the pipeline and outfall locations to avoid and minimize impacts to waters of the United States.
- 2.5.1.4. Complete a delineation report that includes methods, results, and conclusions, along with the necessary data forms, photographs, maps, and a delineation map. The conclusion of this report will detail why any water features on the site are or are not considered waters of the United States. All aquatic resources mapped will be provided to the engineering team and the City of Bastrop in an AutoCAD format for their planning purposes.
- 2.5.2. Protected Species Assessment (State and Federal)  
Coordinate with USFWS and Texas Parks and Wildlife Department (TPWD) to determine the species listed in Bastrop County, habitat surveys for listed protected species and a report presenting the findings of the surveys. Research of available data will determine the listed species and their preferred habitat. Species-specific surveys will not be covered in this scope of services, since they require substantial time throughout particular seasons using specific protocols. Habitat surveys are designed to determine whether the site contains preferred protected species habitat and the likelihood of the presence of that species. A summary of the results of the survey will be included within the letter report. Specifically, the report will describe the habitats present on the site, the protected species that are listed in Bastrop County and their preferred habitats, and an evaluation of whether this preferred habitat is present on the site.
- 2.5.3. Section 10/Section 404/Nationwide Permit Assessment
  - 2.5.3.1. Determine compliance with Section 404 of the CWA, specifically the NWP program. Evaluate the proposed project and what impacts the project has in waters of the United States to determine the USACE's scope and type of permit necessary for the impacts.
  - 2.5.3.2. Document the NWP terms and conditions, General Conditions, and Fort Worth District Regional Conditions for the applicable permit.

2.5.3.3. Document how the proposed project complies with each of these conditions.

2.5.3.4. Summarize the delineation, impact assessment, permit conditions, and compliance in a brief letter report.

2.5.4. Cultural Resources Desktop Analysis

Review compliance with the ACT and/or NHPA Section 106 requirements for the proposed project, Conduct the following analysis:

- Project location and design
- Soils
- Topography and geology
- Known archeological sites, National Register properties and districts, historic-aged buildings and structures, cemeteries, and historical markers within the project area.
- Previously archeological surveys conducted within 1 mile of the project area.
- Cultural resources probability assessment; and
- Recommendations

Through the coordination conducted during this task, the Texas Historical Commission (THC) will state whether an archeological survey is necessary for the project.

2.6. Opinion of Probable Construction Cost (OPCC)

2.6.1. Prepare OPCC. The cost estimates will be prepared for guidance in project evaluation and implementation from the information available at the time of the estimate. The final costs of the project will depend on actual labor and material costs, competitive market conditions, final project costs, implementation schedule, and other variable factors. As a result, the final project costs will vary from the estimate presented herein. Because of this, project feasibility and funding needs must be carefully reviewed prior to making specific financial decisions to help ensure proper project evaluation and adequate funding.

2.6.2. The cost estimates prepared will follow the guidance of the Association for the Advancement of Cost Engineering International (AACE). The OPCC for 60% design completion will be a class 2 estimate (-15% to 20% accuracy range).

2.7. Sixty Percent Design Submittal Review

2.7.1. Complete internal review of draft work products.

2.8. Task 2 Deliverables

2.8.1. *Topographic survey.*

2.8.2. *Geotechnical Report.*

2.8.3. *Environmental Permitting Letter Reports.*

2.8.4. *Sixty percent (60%) complete drawings and specifications.*

2.8.5. *Sixty percent (60%) complete OPCC.*

### 3.0 Task 3.0 - TCEQ Discharge Permit Application

- 3.1. Schedule a meeting with TCEQ and coordinate discharge outfall location with TCEQ Wastewater Stream Quality and Municipal Wastewater Permitting teams.
- 3.2. Submit amended permit application to include new outfall location and request maintaining existing water quality limits.
- 3.3. Task 3 Deliverables
  - 3.3.1. *Minutes to Meeting with TCEQ*
  - 3.3.2. *TCEQ Wastewater Discharge Permit Application*

### 4.0 Task 4.0 - Final Bid Document Submittals

- 4.1. Finalize specification front-end documents for Competitive Sealed Proposal (CSP) procurement approach, including General Conditions, General Requirements, bidding documents, bonds, and Instruction to Bidders. City of Bastrop input is required at this point to determine construction contract requirements and insurance requirements.
- 4.2. Coordinate with City of Bastrop on advertising and bidding process to be included in front-end documents.
- 4.3. Prepare final construction drawings.
- 4.4. Prepare final technical specifications.
- 4.5. Complete final OPCC. This will be an AACE Class 1 estimate.
- 4.6. Complete final checking and coordination review.
- 4.7. Submit Documents for Permits
  - 4.7.1. Submit required documents for USCOE permit, if any.
  - 4.7.2. Submit letter of compliance with TCEQ Design Requirements (Chapter 217).
  - 4.7.3. Submit documents for site permit modification approval, if required.
- 4.8. Task 4 Deliverables
  - 4.8.1. *Final Complete Design for review.*
  - 4.8.2. *USCOE permit documents.*
  - 4.8.3. *Copy of letter to TCEQ for Chapter 217 compliance.*
  - 4.8.4. *Site permit modification documents.*
  - 4.8.5. *Final Bidding Documents*
  - 4.8.6. *Final OPCC.*

### 5.0 Task 5.0 - Bid and Award Services

- 5.1. Administration of Project Advertisement  
Prepare and place advertisements and notices announcing or soliciting bids for the construction of the project. Bastrop will pay directly for all advertisements and notices. Post and manage bid advertisement documents on CIVCAST.
- 5.2. Bid Period Information Requests  
Walker Partners team will develop and implement procedures for receiving and answering bidders' questions and requests for additional information. The procedures shall include a log of all significant bidders' questions and

requests and the response thereto. Walker Partners will provide technical interpretation of the contract bidding documents and will prepare proposed responses to all bidders' questions and requests, which may be in the form of addenda.

5.3. Pre-Bid Conference

Walker Partners will assist the City of Bastrop in arranging and conducting one pre-bid conference. Walker Partners will develop the agenda and content of the pre-bid conference. Walker Partners will take minutes or make other provision for documenting the results of the pre-bid conference. Walker Partners will also record all questions and requests for additional information and shall coordinate with the City of Bastrop for issuing responses and additional information.

5.4. Addenda

Walker Partners issue Addenda to the Bid Documents and shall distribute Addenda to the bidders. All Addenda shall be approved by the City of Bastrop.

5.5. Bid Opening

Walker Partners will review all bids and evaluate them for responsiveness and bid amount. Walker Partners will also verify through reasonable investigation the financial and performance history documentation submitted by the low bidder and second low bidder. Walker Partners will prepare a report of its review and evaluation and include recommendations for award of the contract for construction, or other action as may be appropriate. The City of Bastrop shall make the final decision on the award of the contract for construction and the acceptance or rejection of all bids.

5.6. Recommendation of Contract Award

Walker Partners will prepare the notice of award; assembly, delivery, and execution of the contract for construction, including development of conformed documents; and preparation of the notice to proceed. The City of Bastrop shall sign the notice of award and the notice to proceed. Walker Partners will also provide reasonable assistance with negotiations with the selected bidder prior to execution of the contract for construction.

## 6.0 Task 6.0 - Additional Environmental Services

6.1. Coordination

This task is to provide professional services to coordinate with the City of Bastrop for planning purposes to obtain a design that would maintain the project in a NWP. During the development of the project, it may be decided to conduct a Pre-Application Meeting with the USACE; these services would be conducted under this task. Additionally, this task is to address any comments and attend any meetings that the agencies require after the permit is submitted. If the project requires compensatory mitigation, this budget is intended to be used to assist the City of Bastrop after the permit is authorized to coordinate with the mitigation banks to obtain the best mitigation costs and obtain the agreements for the credit purchases. All effort in this task will be based on a time and materials with an estimated not-to-exceed budget. Due to the complexities of the WWTP project history and nearby archeological

sites, the USACE Regulatory Archeologist could require effort to retroactively address past WWTP improvements, if USACE permitting is required for the proposed outfall. As the likelihood, extent, and degree of any potential retroactive compliance requirement are unknown at this point, coordination effort under this task does not include any damage assessments or programmatic Memorandum of Agreement (MOA) preparation, or archeological mitigation.

#### 6.2 If Required Task A - NWP Pre-Construction Notification

The proposed project is to relocate an effluent discharge into either a tributary to the Colorado River or directly into the Colorado River. These activities could be authorized under a Nationwide Permit 58 – Utility Line Activities for Water and Other Substances. This NWP allows for impacts to waters of the United States up to 0.5 acre. However, the applicant will be required to submit a Pre-Construction Notification (PCN) if the proposed project has 1. A loss greater than 0.1 acre of waters of the United States; 2. Requires a Section 10 Permit; 3. Impacts to a cultural resources site; 4. Impacts to endangered or threatened species. Please note that the Colorado River is a listed Navigable Water regulated under Section 10 of the Rivers and Harbors Act. If required, this task provides professional services to (1) prepare and submit an NWP 43 PCN for the proposed project, and (2) provide coordination with the USACE Fort Worth District.

Although this project may only have minor impacts (i.e., those that are allowed under the NWP program), the NWP PCN must detail the planning process, the components of the project, impacts to waters of the United States as a result of the proposed project, and compensatory mitigation for those unavoidable impacts. The cornerstone of the NWP PCN would be to detail the ecological features of the waters of the United States present on the site and how these ecological features relate to the functional condition of the waters. If needed, these ecological functions and values based on the current condition of the site will be detailed. Once these baseline conditions are accepted by the USACE, these will be the functions and values that will be mitigated for. All permit applications to the USACE require mitigation for unavoidable impacts to waters of the United States. There are three forms of mitigation which are primarily identified and conducted during project planning: avoidance, minimization, and compensatory. Avoidance and minimization mitigation strategies must be completed and documented before any permit is authorized by the USACE. Although the project does not have significant impacts, there are still requirements, by law, that there are no net loss of the functions and values of jurisdictional waters. To accomplish this goal, the USACE and EPA have issued guidance stating their preference for the use of mitigation banks. Compensatory mitigation is generally only required if the project results in a loss of greater than 0.1 acre of wetlands or ponds or 0.03 acre of tributary waters of the United States. To reduce the losses associated with in-stream impacts, the Fort Worth District recently published their guidance for Stream Mitigation Method, which places

preference to mitigation in mitigation banks with instream credits. If necessary, the mitigation requirements following this guidance and coordinate with the client on the cost aspects of this component of the project will be calculated.

Utilizing the USACE standard form for NWP 58 PCN submittals, the following will be assembled and submitted to the USACE:

- Description of the proposed action.
- Description of the site, including a delineation of the waters of the United States.
  - Functional assessment.
  - Wetland data forms.
  - Representative photographs; and
  - Supporting illustrations.
- Alternatives analysis to the proposed action that do not impact waters of the United States.
- Description of the project's avoidance and minimization efforts.
- Quantitative and qualitative description of the unavoidable impacts to the waters of the United States; and
- If necessary, proposed conceptual mitigation plan using available mitigation banks, if required.

### 6.3 If Required Task B - Archeological Survey

A preliminary background review of the project identified that the project is located within the limits of a recorded archeological site that has been designated as a State Antiquities Landmark. Several prior archeological investigations have transpired within the WWTP footprint. However, the prior investigations may not have adequately sampled the current project footprint. As such, it is possible that the THC may require additional archeological investigations. If an archeological survey is required, the following services will be provided:

- obtaining a Texas Antiquities Permit.
- completing a full pedestrian survey including backhoe trenching to document archeological sites or features, older than 50 years of age within the project corridor.
- make preliminary determinations of eligibility for inclusion in the NRHP or as a State Antiquities Landmark (SAL) for any documented archeological resource encountered.
- analyzing any artifacts recorded and/or collected (if applicable).
- completing and submitting State of Texas Archaeological Site Data Forms for any new recorded sites encountered during the pedestrian survey (if applicable).
- drafting a technical report that documents the archeological background, survey methods, survey results, any necessary NRHP eligibility assessment, and recommendations; and

- conducting all necessary coordination with the THC to obtain agency comment for the project

## 7.0 Task 7.0 - Construction Services

Will be assigned under a separate amendment.

### Assumptions

1. The design work on this project will be completed in 2026.
2. The effluent pipe will be sized based on design flow and topography.
3. The new pipeline and outfall will be within the City of Bastrop's property.
4. The design will be based on the federal, state, and local codes and standards in effect on the effective date of the authorization to proceed. Any changes in these codes may necessitate a change in scope.
5. The design documents will be prepared for a single construction contract.
6. The following is a list of anticipated design drawings:
  - 6.1. Cover Sheet
  - 6.2. Drawing Index
  - 6.3. General Construction Notes
  - 6.4. Civil Legend
  - 6.5. Structural Legend
  - 6.6. Overall Site Plan
  - 6.7. Survey Control
  - 6.8. Boring Locations
  - 6.9. Site Permit Sheet
  - 6.10. Erosion Control
  - 6.11. Erosion Control Details
  - 6.12. Erosion Control Details
  - 6.13. Demolition of Existing Outfall Piping and Structure
  - 6.14. Effluent/Outfall Pipe – Plan and Profile
  - 6.15. Effluent/Outfall Pipe – Plan and Profile
  - 6.16. Effluent/Outfall Pipe – Plan and Profile
  - 6.17. Outfall Structure Plan and Sections
  - 6.18. Outfall Structure Details
  - 6.19. Details
  - 6.20. Details
  - 6.21. Details
7. The City of Bastrop will provide electronic files of existing plant construction record drawings. The location and design of all new underground utilities will be based on the existing underground utility drawings and related location information provided by the City of Bastrop.
8. Civil/Geotechnical
  - 8.1. Complete demolition of the existing effluent outfall structure will be accomplished as part of this contract. Sections of the existing effluent discharge pipeline will be abandoned. The existing plant record drawings will be used as

- reference drawings in the construction documents for the demolition drawings in the contract documents.
- 8.2. Legal, easement or plat surveys of the existing site will not be required.
  - 8.3. Civil sitework plans will be provided only for areas of the site involving significant disturbance to existing grading.
  - 8.4. Site drawings will only be prepared for those sectors in the plant where new facilities are to be constructed.
  - 8.5. Landscaping will be limited to seeding or sodding.
  - 8.6. The only new roadway work required is in the immediate area of new facilities.
9. Process/ Mechanical
- 9.1. Only hydraulic assessments required for design of the new or modified facilities are included.