

1. 3:00 P.M. Wastewater Committee Meeting Agenda

Documents:

[2025-01-22 WASTEWATER COMMITTEE AGENDA.PDF](#)

- 1.1. 3:00 PM Wastewater Committee Meeting Presentation

Documents:

[2025-01-22 WASTEWATER COMMITTEE PRESENTATION.PDF](#)



## **NORTH TEXAS MUNICIPAL WATER DISTRICT**

**501 E. Brown Street • Wylie, Texas 75098**

**(972) 442-5405**

### **WASTEWATER COMMITTEE MEETING (VIA VIDEOCONFERENCE)**

**WEDNESDAY, JANUARY 22, 2025**

**3:00 P.M.**

Notice is hereby given pursuant to V.T.C.A., Government Code, Chapter 551, that the Board of Directors of North Texas Municipal Water District (NTMWD), Wastewater Committee, will hold a regular meeting by videoconference, accessible to the public, on Wednesday, January 22, 2025, at 3:00 p.m.

The Presiding Officer will be present at the meeting location, the NTMWD Administrative Offices, 501 E. Brown Street, Wylie, Texas 75098, with two-way video and audio communication between Board members participating by videoconference, establishing a quorum. The public may attend the meeting in person at the meeting location. Audio and video of Board members participating by videoconference will be visible to members of the public in attendance at the meeting location. The meeting will be recorded, and the audio recording will be available on the NTMWD website after the meeting.

Members of the public wishing to listen to live audio from the meeting may do so by calling in at (469) 210-7159 or toll free (844) 621-3956 and entering the following access code: 928 587 040. Please note this line will not provide for two-way communication and public comment at the meeting must be made in person at the meeting location.

### **AGENDA**

#### **I. CALL TO ORDER**

#### **II. PUBLIC COMMENTS**

We welcome members, customers, and the public to participate during the public comment period of the meeting. Before the start of the meeting, speakers must complete and submit a "Public Comment Registration Form." During this portion of the meeting, speakers will be recognized by name and asked to provide their comments. The time limit is three (3) minutes per speaker, not to exceed a total of thirty (30) minutes for all speakers. Texas Open Meetings Act prohibits the Committee from discussing items not listed in the agenda. However, Committee Members may respond with factual or policy information.

#### **III. OPENING REMARKS**

- A. Chair/Executive Director/Committee Champion Status Report concerning legislation and regulatory matters, budgets, current projects and ongoing Wastewater System programs of the District

#### **IV. ACTION ITEMS**

- A. Consider approval of Wastewater Committee meeting minutes – December 18, 2024

- B. **South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion; Project No. 301-0525-18; Amendment No. 7, Partial GMP No. 6, and Engineering Services During Construction**
  - Consider recommendation on authorizing funding to Archer Western Construction, LLC in the amount of \$49,650,787 for Amendment No. 7 to the Construction Manager At-Risk Agreement and authorize funding to Carollo Engineers, Inc. in the amount of \$1,308,300 for Engineering Services During Construction of the work related to Guaranteed Maximum Price No. 6, for the South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow and Expansion project
- C. **121 Force Main Improvements; Project No. 501-0491-18; Tabulation of Bids and Award of Contract, Internal Inspection Services, and Engineering Services Agreement**
  - Consider recommendation on authorizing award of a construction contract to Belt Construction of Texas, LLC in the amount of \$10,794,721, authorizing internal inspection services in the amount of \$472,860, and authorizing an engineering service agreement with Kimley-Horn and Associates in the amount of \$326,000 for construction phase services for the 121 Force Main Improvements project

V. DISCUSSION ITEMS

- A. Update on Rowlett Creek Regional Wastewater Treatment Plant Pretreatment Program
- B. Opportunity for Committee members to provide feedback on Wastewater Committee meeting or request potential future agenda items

VI. ADJOURNMENT

**REQUIRED LEGAL NOTICES**

***The Wastewater Committee is authorized by the Texas Open Meetings Act to convene in closed or executive session for certain purposes. These purposes include receiving legal advice from its attorney (Section 551.071); discussing real property matters (Section 551.072); discussing gifts and donations (Section 551.073); discussing personnel matters (Section 551.074); or discussing security personnel or devices (Section 551.076). If the Wastewater Committee determines to go into executive session on any item on this agenda, the Presiding Officer will announce that an executive session will be held and will identify the item to be discussed and provision of the Open Meetings Act that authorizes the closed or executive session.***

***Persons with disabilities who plan to attend the NTMWD meeting and who may need auxiliary aids or services are requested to contact Shannon Sauceman in the NTMWD Administrative Offices at (972) 442-5405 as soon as possible. All reasonable efforts will be taken to make the appropriate arrangements.***

***Pursuant to Section 30.05, Penal Code (criminal trespass), a person may not enter this property with a firearm. Pursuant to Section 30.06, Penal Code (trespass by license holder with a concealed handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a concealed handgun. Pursuant to Section 30.07, Penal Code (trespass by license holder with an openly carried handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a handgun that is carried openly.***



NORTH  
TEXAS  
MUNICIPAL  
WATER  
DISTRICT

*Regional. Reliable. Everyday.*

Regional Service Through Unity:  
Meeting Our Region's Needs Today  
And Tomorrow



**WASTEWATER COMMITTEE MEETING**

**JANUARY 22, 2025**





# Agenda

- I. CALL TO ORDER
- II. PUBLIC COMMENTS
- III. OPENING REMARKS
- IV. ACTION ITEMS
- V. DISCUSSION ITEMS
- VI. ADJOURNMENT



# Agenda

## IV. ACTION ITEMS

- A. Consider approval of Wastewater Committee meeting minutes – December 18, 2024
- B. South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion; Project No. 301-0525-18; Amendment No. 7, Partial GMP No. 6, and Engineering Services During Construction
- C. 121 Force Main Improvements; Project No. 501-0491-18; Tabulation of Bids and Award of Contract, Internal Inspection Services, and Engineering Services Agreement

## V. DISCUSSION ITEMS

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# South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion

## Background

- Capacity Assessment Study of the southern services area show the South Mesquite Creek RWWTP needs expansion by 2028
  - From 33 MGD to 41 MGD average daily flow
  - Increase wet weather treatment capacity to 102.5 MGD
  - Meets growth projections through 2033.
- Early peak flow relief adding 3.5 million gallons of storage was completed in August 2024

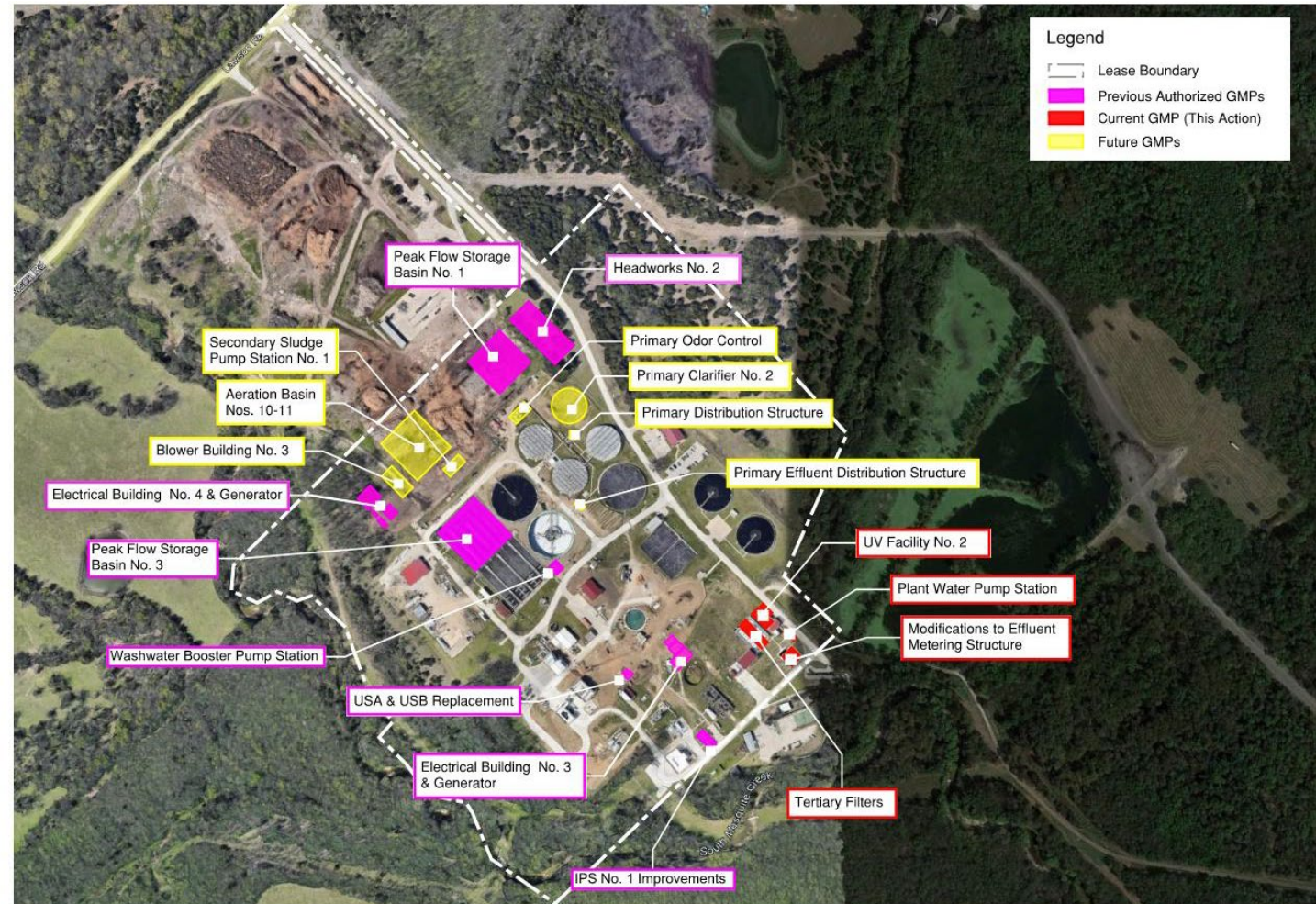


# South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion

## Project Overview

The project is divided into three parts:

- I. Early Peak Flow Relief
  - Repurpose abandoned secondary clarifier as Peak Flow Storage Basin No. 3
- II. Peak Flow Improvements
  - Headworks No. 2
  - Peak Flow Storage Basin No. 1
  - **Parallel 42-inch FMs (Current Request)**
  - Electrical Buildings and Gear for Peak Flow and Expansion
- III. **Expansion to 41 MGD (Current Request)**
  - Primary, secondary and tertiary treatment improvements





# South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion

## Partial Guaranteed Maximum Price (GMP) No. 6

CMAR ESTIMATE: \$52.99 million

## Engineering Services During Construction (Carollo)

- 25-month period
- \$1,308,300

Major Scope of Work Description – Partial GMP No. 6	Lump Sum Amount
Bid Package 8 – 42-inch parallel force mains Construction	\$7,149,840
Bid Package 9 – UV, tertiary filter, Non-Potable Water pump station Construction	\$30,967,012
Bid Package 10 – Dewatering, UV, and Filter Equipment procurement	\$3,154,530
Allowances	\$1,100,000
Total Construction Cost	\$42,371,382
General Conditions (@8.5% of the Estimated Construction Costs)	\$3,601,568
Total Cost of Work	\$45,972,950
CMAR Fees (@6.5% of the Cost of Work)	\$2,988,242
CMAR Contingency (@1.5% of the Cost of Work)	\$689,595
Partial Guaranteed Maximum Price No. 6 (Sum of Total Cost of Work and CMAR Fees)	<b>\$49,650,787</b>



# South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion

## Project Cost & Schedule Update

GMP No	Award Date	South Mesquite Creek RWWTP	Amount
	Oct-21	Original Agreement - Partial Pre-construction and Procurement Services Fee	\$1,250,000
1	Jun-22	Early Peak Flow Material and Site Preparation	\$11,944,463
2	Dec-22	Early Peak Flow Relief Construction	\$8,556,427
	Mar-23	Change Order No. 1	\$48,118
3	Feb-24	Early Electrical Equipment	\$16,788,605
4	Jun-24	Headworks No. 2, Peak Flow Storage Basin No. 1, and Electrical Building No. 4	\$110,349,109
	Aug-24	Change Order No. 2	(\$1,553,954)
5	Oct-24	Electrical Building No. 3	\$21,145,610
<b>6</b>	<b>Jan-25</b>	<b>42-inch FMs and UV, Filters, and Solids Imps for Exp to 41 MGD (Current Request)</b>	<b>\$49,650,787</b>
7	Fall 2025	Primary Clarifier, Aeration Basins, and Blowers for Exp to 41 MGD	\$81,377,767
8	Winter 2027	Site Civil, Paving, and Hydrants	\$8,673,131
Total Contract Price			\$308,228,063





## Committee Consideration

The Executive Director and NTMWD staff recommend the Board of Directors authorize the Executive Director to execute Amendment No. 7 to the Construction Manager At-Risk and an Engineering Services Agreement as follows:

CMAR: Archer Western Construction, LLC

Consultant: Carollo Engineers, Inc.

Scope: Construction, Partial GMP No. 6  
Engineering Services During Construction for GMP No. 6

Project: No. 301-0525-18, South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion

Amount: \$49,650,787 for Construction  
\$1,308,300 for Engineering Services During Construction

Funding: Regional Wastewater System ECP

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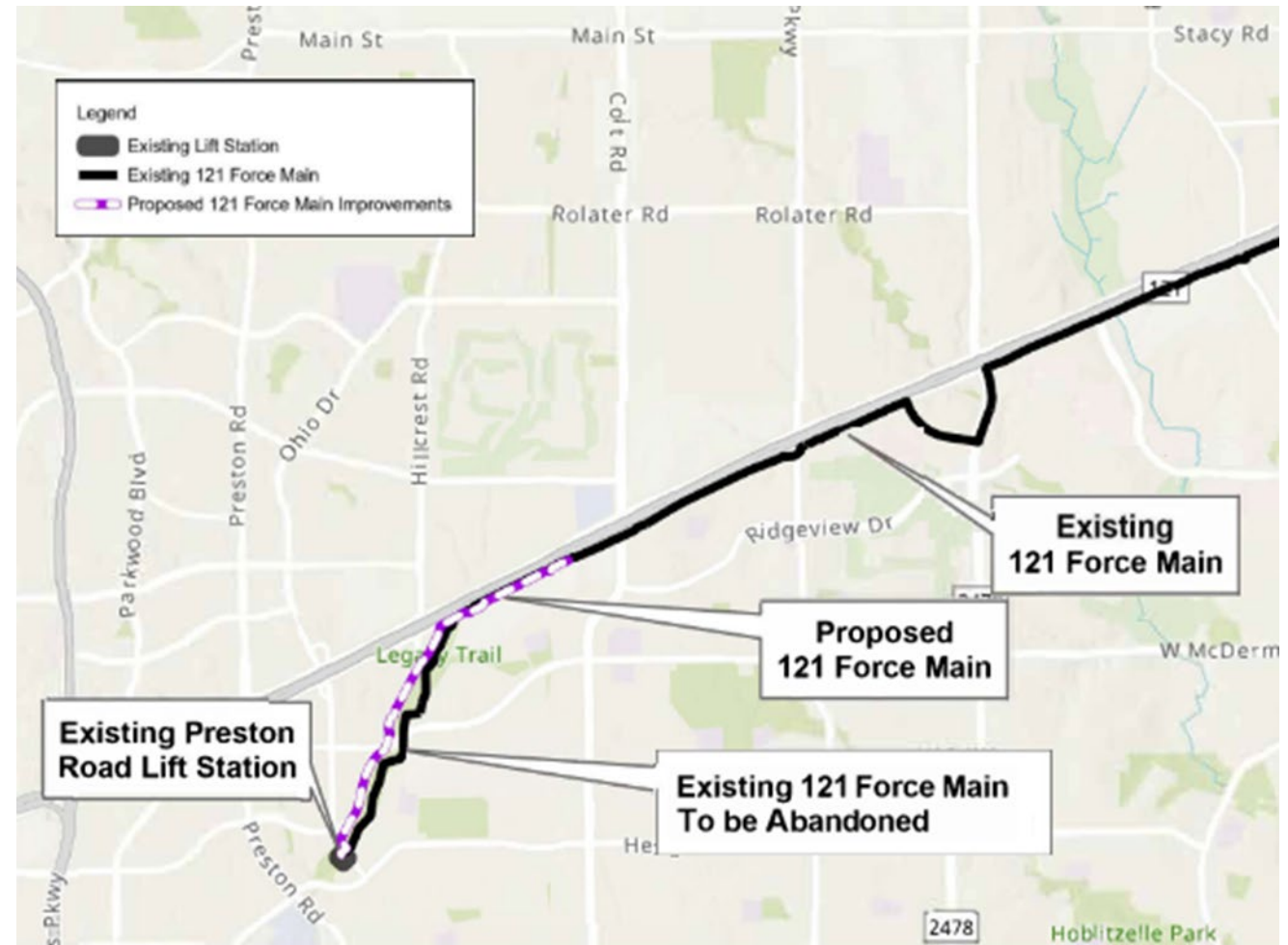
# 121 Force Main Improvements

## Project Purpose

- Replace segment of the existing force main to address frequent reliability issues and hydraulic constraints

## Project Components

- Construct 12,500 linear feet of 36-inch fiberglass force main and associated appurtenances
- Grouting and abandonment of 9,600 linear feet of 30-inch force main and removal of 3,200 linear feet of 30-inch force main





# 121 Force Main Improvements

## Tabulation of Bids

Bidder	Total Bid	Recommendation
<b>Belt Construction of Texas</b>	<b>\$10,794,721.00</b>	<b>Lowest responsible bid Recommended for Award</b>
<b>Mountain Cascade of Texas</b>	\$11,220,041.00	
<b>Wilson Contractor Services</b>	\$11,753,379.95	
<b>Black Rock Construction</b>	\$16,229,844.75	
<b>Western Municipal Construction of Texas</b>	\$17,766,857.00	
<b>Thalle Construction Company</b>	\$18,006,881.00	
<b>Canary Construction</b>	\$18,901,045.00	
<b>ENGINEER'S OPINION OF PROBABLE COST</b>	\$18,160,000.00	



## 121 Force Main Improvements

### **Engineering Services During Construction (Kimley-Horn)**

- Engineering services for 20-month period
- \$326,000

### **Internal Inspection Services**

- Internal inspection services to cover all tasks
- \$472,860



## Committee Consideration

The Executive Director, NTMWD staff and Kimley-Horn & Associates, Inc. recommend the Board of Directors authorize the award of contracts as follows:

Contractor: Belt Construction of Texas, LLC

Consultant: Kimley-Horn & Associates, Inc.

Scope: Construction Contract, Engineering Services During Construction, and Internal Inspection Services

Project: No. 501-0491-18, 121 Force Main Improvements

Amount:	Construction Contract:	\$ 10,794,721
	Inspection Services (Internal):	\$ 472,860
	Engineering Services during Construction:	\$ 326,000

Funding: Upper East Fork Interceptor System ECP



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*Billy George, Assistant General Manager – Water & Wastewater*

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## Executive Session

### Section 551.071, Consultation with Attorney

- Authorizes a government body to consult with its attorney in an Executive Session to seek advice on legal matters regarding pending or contemplated litigation or a settlement offer or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the Texas Open Meetings Act.
- A government body may not invoke this Section to convene a closed session and then discuss matters outside of that provision.
- General discussion of policy, unrelated to legal matters, is not permitted under the language merely because an attorney is present.
- Items discussed during Executive Session are privileged and should remain confidential.





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