

# **WATER / WASTEWATER MASTER PLAN**

**Professional Services Contract Amendment**



**CITY OF BURLESON**



**WATER & WASTEWATER  
MASTER PLAN UPDATE**



# HISTORY

**MAY 4, 2020 - CONTRACT APPROVED**

## MAJOR TASKS INCLUDED

- UPDATING THE WATER AND WASTEWATER MASTERPLAN REPORT INCLUDING CAPITAL IMPROVEMENT PROJECTS (APPROXIMATELY **95% COMPLETE**)
- COMPLETE A RISK AND RESILIENCE ASSESSMENT (**COMPLETE**)
- DEVELOP AN EMERGENCY ACTION PLAN (**COMPLETE** - REQUIRED TO BE EVALUATED AND UPDATED AS NECESSARY EVERY 5 YEARS)
- UPDATE IMPACT FEE STUDY BASED ON WATER AND WASTEWATER CAPITAL IMPROVEMENT PROJECTS (DRAFT REPORT WILL BE PROVIDED ONCE ADDITIONAL CAPITAL PROJECTS ARE IDENTIFIED FROM THE AMENDMENT SCOPE)

**MAY 16, 2022 - MASTERPLAN PROGRESS UPDATE PROVIDED TO CITY COUNCIL**

Project Number	Water Project Name	Cost
Hydraulic Restriction		
H-A	16-inch County Road 920 Lower Pressure Plane Transmission Water Line	\$ 3,058,800
H-B	16-inch Wilshire Boulevard Upper Pressure Plane transmission Water Line	\$ 1,740,200
Hydraulic Restriction Total		\$ 4,799,000
Growth / Development		
G-A	12-inch County Road 714 Lower Pressure Plane Water Line	\$ 3,022,900
G-B	12-inch County Road 802 Upper Pressure Plane Water Line	\$ 1,004,700
G-C	12-inch FM 731 Lower Pressure Plane Water Line	\$ 1,157,200
G-D	12-inch I-35 W Lower Pressure Plane Water Line	\$ 2,972,100
G-E	12-inch Wilshire Boulevard Upper Pressure Plane Water Line	\$ 1,477,100
G-F	12-inch Village Creek Lower Pressure Plane Water Line	\$ 1,823,900
G-G	12-inch Wicker Hill Road Upper Pressure Plane Water Line	\$ 846,200
G-H	12-inch Village Creek Lower & FM 731 Pressure Plane Water Line	\$ 929,900
Growth / Development Total		\$ 13,234,000
Fireflow / Looping		
F-A	8-inch Village Creek Lower Pressure Plane Water Line	\$ 633,900
F-B	12-inch Shoreline Drive Upper Pressure Plane Water Line	\$ 965,800
F-C	12-inch Willow Creek Lower Upper Plane Water Line	\$ 765,500
F-D	8-inch County Road 715 Lower Pressure Plane Water Line	\$ 457,500
F-E	10-inch FM 1187 Lower Pressure Plane Water Line	\$ 314,000
Fireflow / Looping Total		\$ 3,136,700
Regulatory		
R-A	2.0 MGD Hulen High Pump Station Expansion	\$ 2,242,500
R-B	4.0 MGD Industrial Pump Station Expansion / Alsbury #1 Decommission	\$ 4,876,700
R-C	Mountain Valley Pump Station Decommission	\$ 530,500
Regulatory Total		\$ 7,649,700
Grand Total		\$ 28,819,400

	Cost
Placement	\$ 8,328,700
Placement	\$ 1,022,600
Capacity Restriction Improvement Total	\$ 9,351,300

Future Capacity Restriction Improvement		
C-A	Town Creek Basin 36/42-inch Parallel Interceptor	\$ 6,758,900
C-B	Town Creek Basin I-35W 30-inch Parallel Interceptor	\$ 3,955,100
C-E	Town Creek Parkview Drive 10-inch Wastewater Replacement	\$ 829,800
C-F	Willow Creek Basin Wilshire Boulevard 15-inch Parallel Interceptor	\$ 7,071,400
C-G	Willow Creek Basin Wilshire Boulevard 12-inch Parallel Interceptor	\$ 3,298,000
Capacity Restriction Improvement Total		\$ 21,913,200
Growth / Development Improvement		
G-A	Quil Miller Creek Basin North 10-inch Collector Line	\$ 1,517,500
G-B	Town Creek Basin East Hyder Ranch 12-inch Collector Line	\$ 1,243,900
G-C	Shannon Creek Basin West Hyder Ranch 12-inch Collector Line	\$ 1,372,500
G-D	Shannon Creek Basin SW Hulen Street 12-inch Collector Line	\$ 1,746,200
G-E	Shannon Creek Basin 10-inch Collector Line	\$ 1,181,100
G-F	Shannon Creek Basin County Road 1020 12-inch Collector Line	\$ 1,734,200
G-G	The Lakes 10/12-inch Collector Line	\$ 2,250,000
G-H	Burleson Westside Business Park Lift Station Force Main / Collector	\$ 6,375,500
G-I	Chisholm West Lift Station Force Main / Collector	\$ 7,144,000
G-J	Chisholm Trail Lift Station Force Main / Collector	\$ 1,426,300
G-K	Quil Miller Creek I-35W 15-inch Interceptor	\$ 4,301,200
G-L	Martin Tract Lift Station Force Main / Collector	\$ 3,588,000
G-M	I-35 West Lift Station Force Main / Collector	\$ 4,288,500
G-N	Industrial Park I Lift Station Force Main / Collector	\$ 8,819,100
G-O	Industrial Park II Lift Station Force Main / Collector	\$ 10,499,400
Growth / Development Improvement Total		\$ 57,487,400
Grand Total		\$ 88,751,900





## **POTENTIAL DEVELOPMENT - 2021 / 2022**

- **A NUMBER OF RELATIVELY LARGE PRIVATE DEVELOPMENTS PROPOSED**
- **POTENTIAL SIGNIFICANT IMPACTS TO BOTH WATER AND WASTEWATER INFRASTRUCTURE SYSTEMS**
- **NOT INCLUDED IN ORIGINAL SCOPE MASTERPLAN UPDATE**
- **SEVERAL OF THESE LARGE DEVELOPMENTS HAVE GAINED MOMENTUM AND ARE ANTICIPATED TO SUBMIT FORMAL DEVELOPMENT PLANS**

## **AMENDMENT WILL INCORPORATE THESE DEVELOPMENTS INTO MASTERPLAN, IMPACT FEE STUDY AND CAPITAL PLANNING**

- **RESULTS IN MORE COMPREHENSIVE AND FISCALLY RESPONSIBLE APPROACH TO CAPITAL PLANNING**
- **SUPPORTS FUTURE DEVELOPMENT WITHIN CITY OVER A 20-YEAR HORIZON BASED ON WHAT IS KNOWN TODAY**
- **JUNE 2023 - ANTICIPATED COMPLETION OF MASTERPLAN UPDATE REPORT**



# OPTIONS

## RECOMMENDED



**APPROVE AN AMENDMENT TO THE PROFESSIONAL SERVICES CONTRACT WITH FREESE AND NICHOLS, INC. FOR THE WATER / WASTEWATER MASTERPLAN, IMPACT FEE STUDY, AND AWIA DEVELOPMENT PLAN IN THE AMOUNT OF \$48,500.00.**



**DENY AN AMENDMENT TO THE PROFESSIONAL SERVICES CONTRACT WITH FREESE AND NICHOLS, INC. FOR THE WATER / WASTEWATER MASTERPLAN, IMPACT FEE STUDY AND AWIA DEVELOPMENT PLAN IN THE AMOUNT OF \$48,500.00.**

