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CITY OF SWEENEY, TEXAS
REBID OF WATER LINE IMPROVEMENTS–MAIN STREET
ENGINEER'S OPINION OF PROBABLE PROJECT COST
January 12, 2024

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
1.	Furnish materials and install 12-inch American Water Works Association (AWWA) C900 dimension ratio (DR)18 polyvinyl chloride (PVC) water line by open cut, with trace wire, and complete in place.	2,550	LF	\$ 100.00	\$ 255,000.00
2.	Furnish materials and install 12-inch AWWA C900 DR18 PVC water line by bore, no casing, with trace wire, and complete in place.	2,520	LF	\$ 180.00	\$ 453,600.00
3.	Furnish materials and install 12-inch AWWA C900 DR18 PVC water line by bore, inside 20-inch welded steel casing, with trace wire, and complete in place.	60	LF	\$ 400.00	\$ 24,000.00
4.	Furnish materials and install 6-inch AWWA C900 DR18 PVC water line by open cut, with trace wire, and complete in place.	350	LF	\$ 50.00	\$ 17,500.00
5.	Furnish materials and install 6-inch AWWA C900 DR18 PVC water line by bore, no casing, with trace wire, and complete in place.	970	LF	\$ 90.00	\$ 87,300.00
6.	Furnish materials and install 3/4-inch polyethylene service line by open cut; complete in place.	760	LF	\$ 15.00	\$ 11,400.00
7.	Furnish materials and install 3/4-inch polyethylene service line inside 1-inch welded steel casing by bore; complete in place.	1,300	LF	\$ 60.00	\$ 78,000.00
8.	Furnish and install 12-inch gate valve with valve box; complete in place.	8	EA	\$ 4,500.00	\$ 36,000.00
9.	Furnish and install 6-inch gate valve with valve box; complete in place.	2	EA	\$ 1,800.00	\$ 3,600.00
10.	Furnish and install ductile iron fittings; complete in place.	4	TON	\$ 10,000.00	\$ 40,000.00
11.	Furnish and install a standard fire hydrant unit; complete in place.	15	EA	\$ 7,000.00	\$ 105,000.00
12.	Furnish materials and connect a new water line to the existing 6-inch line (wet connection); complete in place.	5	EA	\$ 1,400.00	\$ 7,000.00
13.	Furnish materials and connect new water line to the existing 2-inch line (wet connection), as shown on the details for small diameter water connection; complete in place.	6	EA	\$ 700.00	\$ 4,200.00
14.	Furnish materials and install 10-inch tapping sleeve and valve; complete in place.	1	EA	\$ 8,000.00	\$ 8,000.00
15.	Furnish materials and install 8-inch tapping sleeve and valve; complete in place.	2	EA	\$ 5,000.00	\$ 10,000.00
16.	Furnish materials and install 6-inch tapping sleeve and valve; complete in place.	2	EA	\$ 4,500.00	\$ 9,000.00
17.	Furnish materials and install 3/4-inch single water service connection (including service saddle, corporation stop, meter stop, connection to existing meter, and other fittings and piping necessary to connect existing service to new water line); complete in place.	60	EA	\$ 1,200.00	\$ 72,000.00
18.	Furnish materials and install asphalt pavement repair for water lines (all sizes) in all locations; complete in place.	30	LF	\$ 60.00	\$ 1,800.00
19.	Furnish materials and install concrete pavement repair for water lines (all sizes) in all locations; complete in place.	200	LF	\$ 50.00	\$ 10,000.00
20.	Furnish materials and perform seeding and restoration in all areas (including Texas Department of Transportation [TxDOT] right-of-way [ROW]) disturbed by construction of new water lines; complete in place.	1	LS	\$ 10,000.00	\$ 10,000.00

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21.	Furnish materials and perform all necessary traffic control in the City and TxDOT ROW, in accordance with the latest version of the Texas Manual on Uniform Traffic Control Devices and applicable TxDOT permit requirements; complete in place.	1	LS	\$ 25,000.00	\$ 25,000.00
22.	Furnish materials and connect the new water line to the existing water tower supply line.	1	EA	\$ 20,000.00	\$ 20,000.00
Subtotal Construction Costs (Rounded):					\$ 1,288,400.00
10% Contingencies (Rounded):					\$ 128,840.00
TOTAL ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST:					\$ 1,417,240.00
2022 SANITARY SEWER IMPROVEMENTS-ALTERNATIVE FORCE MAIN ALIGNMENT					
1.	Basic services (design-, bidding-, construction-phase services).				\$ 60,000.00
2.	Additional services (Resident Project Representative).				\$ 23,000.00
TOTAL ENGINEERING COSTS (ROUNDED):					\$ 83,000.00
TOTAL ENGINEER'S OPINION OF PROBABLE PROJECT COSTS (ROUNDED):					\$ 1,500,240.00

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