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AGENDA 4h
ITEM
DATE 12-1-08

City Council Report

Date: December 1, 2008
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Brooks Waterline Dewatering Manholes
Project No. 01-556-002
Council Districts No. 1 and 3

Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of the bids received for Project No. 01-556-002, Brooks Waterline Dewatering Manholes (See Exhibit "A" for project locations).

It is recommended that the Council award this project to the low bidder, Standard Construction Company Inc., for a total award of \$183,810.00.

Background

The City's Val Vista Water Treatment Plant supplies treated water to several of the City's nine water distribution system pressure zones. Water is transported through a series of large water mains (42 to 108 inches in diameter) to the distribution points in the system. The City Zone is the most westerly pressure zone and receives water at three reservoirs and pump stations where it is stored temporarily and pumped into the distribution system. The pipeline to one of the distribution points, Brooks Street Reservoir, is a 42-inch diameter pre-stressed concrete cylinder pipe (PCCP) that was installed in 1975. Recent studies of this type of pipe recommend that the pipe and reinforcing steel be inspected on a routine basis to insure that the pipe is structurally sound and that the lining is in good condition.

Community Impact – Temporary impacts to the area will include construction noise, dust, traffic restrictions. Once work is started, project completion is anticipated within thirty (30) calendar days.

Discussion

Inspection of the 42-inch Brooks Street waterline will be conducted visually and with the use of electromagnetic sounding equipment. To operate the equipment, the water in the pipeline must be removed. The Brooks Street waterline was originally constructed with several low points that the water cannot currently be drained from. This project will install new manholes in two locations at the low points to dewater the water main for visual inspection. Once the installation of the new manholes is completed, the entire 42-inch Brooks Street waterline will be accessible for inspection. The contract also includes completing spot repairs to the waterline if inspection determines it is necessary.

Alternatives

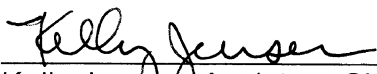
An alternative would be to not proceed with this project. This is not recommended since this would not allow an opportunity to inspect the condition of the Brooks Street waterline to ensure it can remain in continued operation. Additionally, the Val Vista WTP is typically in service most of the year so we would miss the opportunity to inspect the water main during the plant shut-down. It could be several years before the City will have another opportunity to inspect this pipe.

Fiscal Impact

The recommended total award of this project is \$183,810.00 which consists of a low bid of \$167,100.00 plus an additional \$16,710.00 (10% allowance for change orders). This project is funded from the Adopted FY 08/09 Water Bond Capital program.

Coordinated With

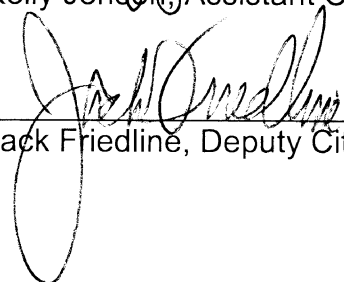
The Utilities Department concurs with this recommendation.



Kelly Jensen, Assistant City Engineer



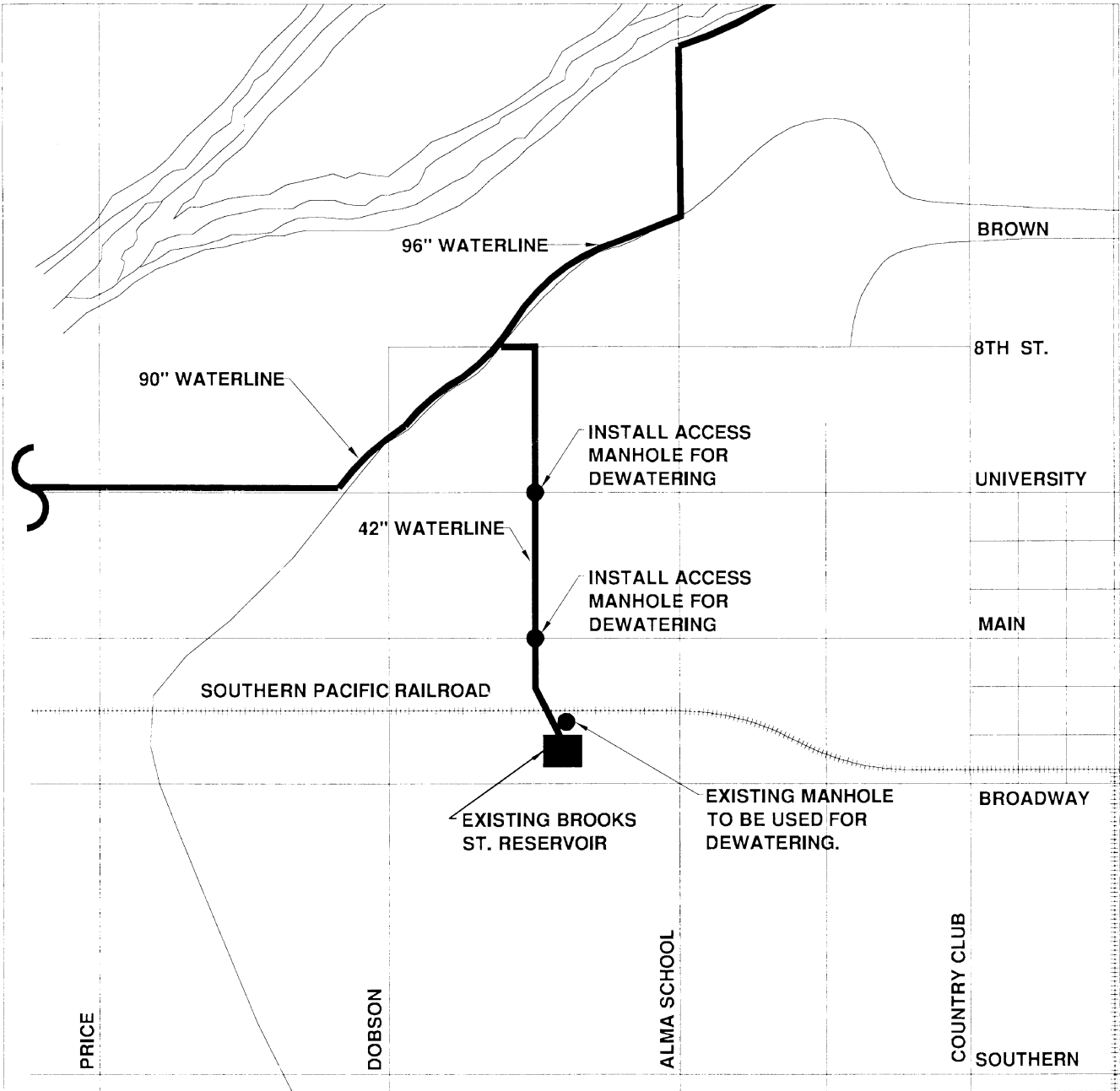
Elizabeth Huning, City Engineer



Jack Friedline, Deputy City Manager



EXHIBIT "A"



FILE: E:\PROJECTS\PRICE\MAPD FOR ERIC\BROOKS WATERLINE DEWATERING MANHOLES EXHIBIT.dwg 09/24/08

PROJECT LOCATION MAP BROOKS WATERLINE DEWATERING MANHOLES PROJECT NO. 01-556-006



NORTH
NOT TO SCALE

Budget Information:
FY 08/09 Water Bond Capital Program

CITY OF MESA
MESA, ARIZONA

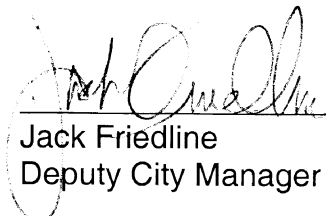
BROOKS WATERLINE DEWATERING MANHOLES

PROJECT NO. 01-556-002

Tabulation of Bids Received, Thursday, October 30, 2008, at 2:00 P.M.

ENGINEER'S ESTIMATE	\$162,550.00
1. Standard Construction Company, Inc.	\$167,100.00
2. Brizco Construction, LLC	\$167,250.00
3. Pierson Construction Corporation	\$168,200.00
4. T & T Construction, Inc.	\$180,915.00
5. Visus Engineering Construction, Inc.	\$184,000.00
6. Spire Engineering, LLC	\$203,500.00
7. Sahuaro Pipeline Corporation, Inc.	\$209,700.00
8. B & F Contracting, Inc.	\$217,205.00
9. SDB, Inc.	\$239,005.00
10. Joseph Painting Co., DBA JPIC Services	\$289,079.00
11. Arizona Pipeline Company	\$307,100.00

Recommend award to low bidder, Standard Construction Company, Inc., in the amount of \$167,100.00 plus an additional \$16,710.00 (10% allowance for change orders) for a total award of \$183,810.00.



Jack Friedline
Deputy City Manager