



CITY OF WASHINGTON, ILLINOIS
City Council Agenda Communication

Meeting Date: 07-20-2020

Prepared By: Kevin Schone-Public Works Director

Agenda Item: Change Order #1-Water Tower #1 Painting-Ladder Extension

Explanation: In August of 2019 Council approved an overall budget of \$600,000 for repair and painting of Water tower #1. Seven Brothers Painting of Michigan has started on this project and upon removing the hatch on top of the tower it was realized that there wasn't an interior ladder to access the bottom of the bowl for sand blasting and painting. For safety reasons Seven Brothers is requesting to fabricate and paint a 45' ladder for access.

Current staff was unaware of the lack of an access ladder before the hatch was removed.

Fiscal Impact: \$9,800, unfunded in FY20/21 budget.

Recommendation/

Committee Discussion Summary: During budget preparations, \$553,900 was budgeted for the tower painting project. This was an error on staff's part and an overall budget of \$600,000 should have been budgeted for the project to allow for contingencies.

Funds have been identified in the tower reserve fund that would allow for this expenditure, possibly account #500-03-510-9000. We will also come in under budget on the filter and softener vessel rehab project in account #500-00-800-3000 (Purchase System).

The ladder is not necessary to access the tank to complete the project, however now that it has been identified as a safety issue by the contractor it is recommended that the ladder be fabricated and painted to reduce the chance of injury during this project.

Action Requested: Approve an overall project amount of \$600,000 as was originally approved in August of 2019 when funds can be identified in the water fund for any contingencies during the project.

Washington, Illinois
500,000 Gallon Toroellipse
July 8, 2020
Bulletin No. 1

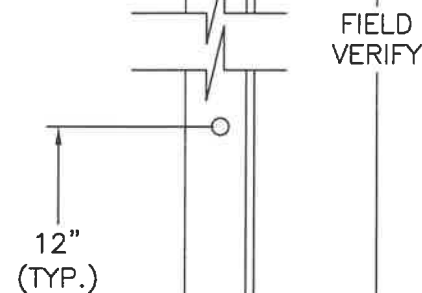
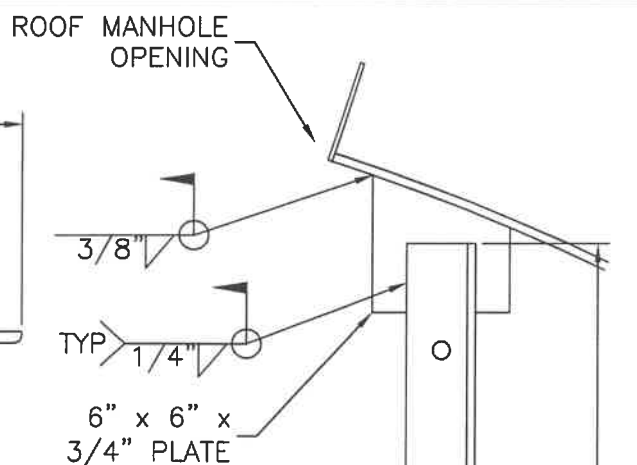
Provide prices for the following:

- A. Furnish and install a wet interior ladder from the roof to the bowl for safe access of maintenance and inspection personnel.
- B. Ladder rungs to be 16 in. wide with $\frac{3}{4}$ in. diameter non-skid rungs, spaced every 12 in. on center, and provide a minimum of 7 in. toe clearance.
- C. Construct side rails of 4 in. x 3 in. x $\frac{3}{8}$ in. angle.
- D. Construct supports of 4 in. x 3 in. x $\frac{3}{8}$ in. angle.
- E. Install angle at the top and bottom of the ladder. Extend support from 6 ft. of the end of the ladder to the roof and to the bowl.
- F. Ladder shall meet or exceed all OSHA requirements. Equip with cable-type fall prevention device after the wet interior coating is dry.
- G. Cable-Type system as manufactured by DBI Sala, supplied by ITI Resources (941) 894-0564.
 - 1. System: Lad-Saf Model and all connecting clips, etc.
 - a. Cable to be $\frac{3}{8}$ in. stainless steel
 - b. Top and Bottom Bracket System:
Rung, 4 User Galvanized #6116614 for ladders ending at an obstruction
 - c. Cable Guides #6100400.

Nine Thousand Eight Hundred & 00/100 Dollars \$ 9,800.00

Contractor Signature

Date



6" x 6" x $\frac{3}{4}$ " PLATE

Technical drawing of a mechanical part. A dimension line indicates a length of $\frac{3}{8}$ " for a specific feature.

1. LADDER RUNGS TO BE CORRUGATED, KNURLED, COATED WITH SKID-RESISTANT MATERIAL, OR OTHERWISE TREATED TO MINIMIZE SLIPPING. USE REBAR OR OTHER APPROVED MATERIAL.



DIXON
ENGINEERING, INC.

New Wet Interior Ladder

Drawn By: TMF

Date: 07/08/20

DWG: 01

WET INTERIOR LADDER