

February 23, 2021

## JOHNSTOWN COLORADO 750MG GST – ROOF REPLACEMENT \*ALUMINUM GEODESIC DOME OPTION\*

Maguire Iron is pleased to provide the following pricing for the roof replacement of the south tank at the Johnstown Treatment Plant with an Aluminum Geodesic Dome.

**ROOF REMOVE REPLACE** - Remove old roof replace with Aluminum Geodesic Dome - **\$256,400.00**

**ADDER #1** – Blast and paint top three to five feet interior/exterior sidewall (transition) - **\$35,000.00**

\*After painting and curing schedule is complete, interior wet surfaces are to be disinfected per AWWA method 3 Filling of Tank and BAC-T testing by others

**ADDER #2** - Blast & paint sidewall, floor and internal piping of tank interior and three to five feet of exterior (transition)..... - **\$90,000.00**

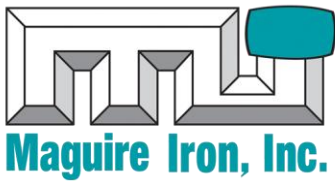
\*After painting and curing schedule is complete, interior wet surfaces are to be disinfected per AWWA method 3 Filling of Tank and BAC-T testing by others

**ADDER #3** – Blast & paint sidewall, floor and internal piping of tank interior, prep exterior transition and pressure wash remainder of exterior and overcoat..... - **\$162,800.00**

\*After painting and curing schedule is complete, interior wet surfaces are to be disinfected per AWWA method 3 Filling of Tank and BAC-T testing by others

### ALUMINUM GEODESIC DOME

- Provide, assemble on site (factory certified builders) new roof structure (self-supporting 50 ft. diameter aluminum geodesic dome roof) with the following appurtenances
  - 30” Square access hatch – aluminum construction
  - 24” Diameter Hillside flange for reusing existing vent (verify size/type for existing vent connection)
  - Partial Guardrail 5’ either side of ladder opening
  - Single Rail Walkway to dome apex
  - Personal fall protection system (harness and lanyard not included) – Includes center hoist ring with swivel mechanism with 3/8” diameter stainless steel wire rope, cable grab and karabiner – designed for 5,000 pound lateral load
  - Final drawings and engineering calculations to included CO P.E. stamp
- Prep tank for removal of old roof structure (and center support column)
- Removal and disposal of old roof structure to include site clean-up
- Crane rental, other equipment, miscellaneous
- Mobilization
- Estimated time needed to complete project (six to eight weeks from mobilization – depending on ADDER(s) selected)



## ALUMINUM GEODESIC DOME (design criteria used for this proposal – \*Owner to verify)

- Wind Loads per ASCE 7-05: Velocity = 114 mph; Category = 3, Exposure: C, I=1.15
- Roof Live Load: 15 pounds per square foot
- Ground Snow Load: 30 pounds per square foot
- Product Stored: Potable Water
- Design Pressure / Vacuum: Atmospheric
- Operating Pressure / Vacuum: Atmospheric
- Design Temperature: Up to 100° Fahrenheit

\*All work to be performed in a workman like safe manner.

\*Price includes some stoppage of work given the tank location

\*Price assumes paved area south of tank can be utilized as staging, fabricating, prepping area

\*Tank to be drained and ready for crews prior to arrival

\*Price assumes the self-contained meter reader assembly on the tank will be relocated to the north tank prior to crew arrival

## ALUMINUM GEODESIC DOME / SCHEDULE, AVAILABILITY, WARRANTY

Approval drawing submittal: 2 to 3 weeks after order placement

Owner Submittal Approvals: 1 to 2 weeks

Dispatch from factory: 8 to 10 weeks after receipt of all approved drawings and details

\* Manufacture warrants the goods against defects in workmanship and materials under normal and proper use and operating conditions for a period of 12 months from date of shipment.

**CONTRACT:** Formal contract will be drafted around selections made by Owner for final acceptance.

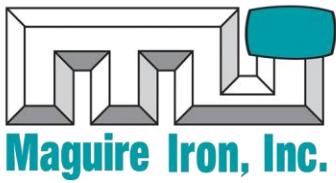
\*Deposit required for Aluminum Geodesic Dome; \$65,000.00 due within 30 days of signed contract

**DISCLAIMER:** Condition of the tank sidewall where support rafters connect unknown at this time. If it is determined that addition work is required to ensure integrity of new roof to tank connection or Owner request additional work as a result of findings any resulting associated costs will be negotiated at that time and approved prior work commencement.

**SUMMARY:** Future renovations of the tank interior and exterior: With the Aluminum Geodesic Dome option additional care and preparation will be required to protect the Geodesic Dome from abrasive blasting and protecting from paint overspray.

For the above mentioned if the Aluminum Dome option is selected, we highly advise including at a minimum ADDER #1 (transition area).

\*We would welcome the opportunity to discuss other considerations of this option to take into account in order to make a well-informed decision that will serve the Johnstown Community for years to come.



# WATER TOWER EXPERTS

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In closing we at Maguire Iron would like to thank you for the opportunity to propose on your project. As the industry leader in new water storage tanks and tank maintenance, we understand the importance of taking care of one of your most critical pieces of infrastructure.

Thank you for the opportunity to propose on your project.

Best regards, Chuck Graber & Team Maguire



## CHUCK GRABER WATER TOWER EXPERT

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*Providing professional services, turnkey tank services, construction and expertise since 1915.*