

EXHIBIT A-1 SCOPE OF WORK

NORTH HAVASU ADDITIONAL TANK AND DISTRIBUTION LINE PROJECT

1. Additional Project Services. Consultant agrees to perform additional engineering services for the Project. The Additional Services include:

- Piping Plan Modification.
- Floor Plan Control, Footing Detail, and Tank Sections.
- Roof Plan and Details.
- Tank Appurtenance and Details.
- Cathodic Protection Design.
- Electrical and Instrumental Design.

The Additional Services are described in the following subtasks:

Task 4.0 Add1 – Additional 90% Design Documents

4.3 Piping Plan Modification - Consultant will add internal tank piping and appurtenances to Piping Plan.

4.6 Floor Plan Control, Footing Detail, and Tank Sections – Consultant will prepare 90% status plan sheet. Typical radial control data, footing detail, and section details to be provided by City.

4.7 Roof Plan and Details – Consultant will prepare 90% status plan sheet. Typical roof plan layout and associated details to be provided by City.

4.8 Tank Appurtenance and Details I – Consultant will prepare 90% status plan sheet. Typical tank appurtenances and associated details, including, but not limited to; overflow, level gauge and sample port, pressed transducer details, etc. to be provided by City.

4.9 Tank Appurtenance and Details II – Consultant will prepare 90% status plan sheet. Typical additional tank appurtenances and associated details, including, but not limited to; Doghouse, manway, etc. to be provided by City.

4.10 Tank Appurtenance and Details III – Consultant will prepare 90% status plan sheet. Typical additional tank appurtenances and associated details, including, but not limited to; exterior ladder or stairs, safety railing, roof railing, tie-down details, etc. to be provided by City.

Task 5.0 Add1 – Additional Final Construction Documents

5.3 Piping Plan Modification – Consultant will update internal tank piping and appurtenances to Piping Plan.

5.6 Floor Plan Control, Footing Detail, and Tank Sections – Consultant will prepare 100% status plan sheet. Typical radial control data, footing detail, and section details to be provided by City.

5.7 Roof Plan and Details – Consultant will prepare 100% status plan sheet. Typical roof plan layout and associated details to be provided by City.

5.8 Tank Appurtenance and Details I – Consultant will prepare 100% status plan sheet. Typical tank appurtenances and associated details, including, but not limited to; overflow, level gauge and sample port, pressed transducer details, etc. to be provided by City.

5.9 Tank Appurtenance and Details II – Consultant will prepare 100% status plan sheet. Typical additional tank appurtenances and associated details, including, but not limited to; Doghouse, manway, etc. to be provided by City.

5.10 Tank Appurtenance and Details III – Consultant will prepare 100% status plan sheet. Typical additional tank appurtenances and associated details, including, but not limited to; exterior ladder or stairs, safety railing, roof railing, tie-down details, etc. to be provided by City.

Task 6.0 Add1 – Cathodic Protection Design

6.10 Corrosivity assessment – Consultant will perform a corrosivity assessment.

6.20 Corrosion Control/Cathodic Protection Design – Consultant will design a corrosion control and cathodic protection design system.

Task 7.0 Add1 – Electrical and Instrument Design

7.10 Electrical and Instrument Design – Consultant will design electrical components to allow for level sensor and SCADA interface.

7.20 Construction Phase Services – Consultant will assist with electrical RFI's, submittal reviews, attend weekly construction meetings virtually.

2. Schedule. The Additional Services will commence upon receipt of a fully executed Amendment No. 1 and will take approximately 4 months to complete.

3. Assumptions.

A. All documents prepared within this scope will be done so in digital PDF format for City and/or public agency review. Deliverables in any other electronic formats are specifically excluded from this scope. Based on the foregoing, this scope of work, including the schedule of activities, is contingent on being able to appropriately and safely staff and perform (including travel), in light of the Coronavirus outbreak.