Proposal

February 14, 2024

Mr. Rod Savini
Savini Group, PLLC
180 W, Huffaker Lane, Suite 304
Reno, Nevada 89511

Re: Truckee Meadows Fire and Rescue Apple Fire Station
Additional Services Proposal

Dear Rod,

We are pleased to submit this proposal which outlines additional Architectural and Engineering services for the following:

- Fire Protection Engineering Services
- Fire Protection and Water System Pump House
- Electrical Vehicle Infrastructure

We have included a project description, scope of work, a list of the project team, and our proposed fee.

PROJECT DESCRIPTION

In lieu of having the Automatic Fire Suppression System including the electric fire pump be designed, and permitted separately by the fire protection subcontractor, we were asked to provide this fire protection design scope as part of our A&E design.

This scope includes the design of a pump house with a footprint of approximately 25' x 55'. This building will house the electric fire pump and other water and well system components. This was not a part of the original scope of the project.

Recently, it has been determined that Electric Vehicle Charging and roof mounted PV infrastructure should be added to the scope as well.

ADDITIONAL SCOPE OF WORK

We anticipate adding additional scope to the project as follows:

- Single-story pump house building of approximately 1,400 gsf.
    - The building will be a separate, stand-alone building adjacent to the fire tank.
    - Structural systems for the building will include shallow conventionally reinforced concrete footings, perimeter CMU bearing/shear walls that extend up to serve as parapets, and a low-slope roofing system over metal deck and steel wide-flange framing that clear span across the building.

- Electrical associated with well, pump house, and fire pump:
    - Connections to submersible well pump
    - Connections to duplex booster pumps
    - Control connections including SCADA design
    - Coordination with NVE for a line side tap to feed the fire pump controller.
    - Increased generator size to include the fire pump.
    - Associated connections for a jockey pump and controls.

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  - The electrical system for the fire pump will be per NEC 695.
  - Miscellaneous connections and receptacles for the pump house and grounding.

- Fire Protection Systems Engineering:
  - Calculations and design to size and specify Electric Fire Pump
  - Coordination of site fire hydrants with Civil Engineer
    - Wet Fire Sprinkler System including sprinkler & seismic calculations. It is anticipated that this facility will have two separate sprinkler zones.
  - Design of the Fire Risers & FPE Specifications

- Electric Vehicle Charging and Photo Voltaic Infrastructure:
  - It is our understanding that EV Charging for the fire trucks will be done at a future date and the Owner would like to plan for the appropriate infrastructure. Additional scope is as follows:
    - Determine the space requirements and review the electrical service for capacity.
    - Design conduit sizes and runs from the electrical service to future charger locations.
  - Roof mounted PV Solar Panels are to be considered as a future amenity. Infrastructure will be provided.

PROJECT TEAM

Discipline	Firm
Architecture / Project Management	H+K Architects
Structural Engineering	CFBR Structural Group
Fire Protection Engineering	Ainsworth & Associates
Electrical Engineering	PK Engineering
Total	

FEE

We propose to provide the Services outlined above for a fixed fee per phase as follows:

Phase	% of Total Fee	Fee
Design Development	34.9%	$40,000.00
Construction Documents	48.0%	$55,000.00
Plan Review	4.4%	$5,000.00
GMP Phase	2.2%	$2,500.00
Construction Administration	8.7%	$10,000.00
Record/Closeout	1.7%	$2,000.00
Total Fee	100.0%	**$114,500.00**

Thank you for the opportunity to present this proposal. Please call if you have any questions.

Sincerely,

Jeff Klippenstein, AIA