

TOWN OF APEX | WATER RESOURCES DEPARTMENT

Amendment Tasks and Costs – Pleasant Park 1.5 MG Elevated Water Tank

Amendment Tasks

The following scope modifications were necessary to update and reflect the design services provided for the relocation and redesign of the new elevated water storage tank located at Pleasant Park.

Task 1 – Site Selection

Due to the Town being unable to procure the land that the selected tank location was to be sited; the site selection had to be reevaluated and is the basis for this amendment. This revision included meeting with Town staff on proposed relocation to the entrance of Pleasant Park on existing Town owned property, development of a Constructability and Operational Impact memo for the new site, development of tank renderings from multiple viewpoints throughout the park at the direction of Apex staff, development of a presentation given to Town Council during a retreat in February 2024 detailing the change of site with construction and park operational impacts, ingress and egress planning, and updated cost opinion.

Task 2 – Design and Permitting

The original scope included design and permitting activities for the initially selected site, such as conducting a geotechnical investigation, field investigations, coordinating with Town staff as needed, identifying easements, obtaining permits, and preparing construction documents. However, with the Town unable to acquire the land for the original location, the design of the tank was halted at 60% completion. This amendment reflects the redesign of the tank at the new location at the entrance to Pleasant Park. The revision included additional field investigations, geotechnical borings, redesign of the tank and grading plans, and the inclusion of a landscaping plan as requested by the Town. Additionally, Town staff requested bi-weekly virtual meetings up to the 60% design phase and weekly meetings as the design neared 90% completion and the bidding phase, totaling 20 meetings.

Task 3 – Survey and Mapping

The original scope included land surveying and research to determine property ownership, identify site boundaries, and identify easements required for the project's construction. It also encompassed topographic surveying of the site. Since the Town was unable to acquire the land for the original site, topographic surveying of the new site is now required, and this forms the basis of the amendment. Given that the new site is located on Town-owned property, no additional research or plat development was needed. However, new topographic surveys were necessary to support the design and grading of the tank at the new location.

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Amendment Costs

| Description | Payment Method | Cost |
|------------------------|----------------|-------------|
| 1. Site Selection | Lump Sum | \$3,800.00 |
| 2. Design & Permitting | Lump Sum | \$73,800.00 |
| 3. Survey and Mapping | Lump Sum | \$6,300.00 |
| | | |
| Total Fee | | \$83,900.00 |