

SCOPE OF WORK

Project No. 528A5-19-521

Provide Study for Waste Water Treatment Plant

Canandaigua, VA Medical Center,

400 Fort Hill Avenue

Canandaigua, NY 14424

The general scope of this project is to perform an in-depth study comparing the Waste Water Treatment Plant and outsourcing to local municipality. The study shall include a full report of findings and research, and a detailed estimate for both situations.

EXISTING CONDITIONS

The Canandaigua VAMC is located at 400 Fort Hill Avenue, Canandaigua, NY 14424. The layout is a campus with more than 30 buildings located on over 20 acres. Normal working hours are Monday – Friday 8:00am – 4:30pm. The existing Treatment Plant needs upgrades, this study is to determine if it will be cost effective to upgrade the plant or connect the waste water to the city's main line.

A/E SCOPE OF SERVICES

1. Provide site investigation and field measurements for all aspects of design requirements. This shall include utility locations, proper spacing of equipment, and proper tie in locations. The areas required are the Waste Water Treatment Plant and local municipality.
2. Provide investigative design services, and cost estimate required to upgrade current facility. Services will include all Mechanical, Electrical, Site/Civil, and Architectural work associated with this project.
3. Provide a Cost Benefit Analysis determining the cost of upgrades, all preventative maintenance, operator licensing fees, and include labor mapping over a 10-year period.
4. Provide a separate Cost Benefit Analysis determining the cost to run a new waste water line that tie into the city's main line, show what requirements, if any, would need to be met by the government to comply with what the city wants to meet their requirements for tie ins. Provide monthly charge from the city, showing the costs over a 10-year period.
5. Attend design review meetings and make all necessary site visits during design to gather information necessary from the existing sites, building plans, utility plans, etc. to provide a complete assessment of the proposed work. This should include an identified number of visits included in the proposal. The VA shall provide access to hardcopy files of existing drawings, and the AE shall perform all searches of these files for any required reference materials to support design efforts.
6. Assess the intent and scope of this project and work with the Medical Center staff to develop a final design and cost estimate to best suit the needs and constraints of the government, while incorporating VAMC Canandaigua Engineering Service, VA Network 2, or any other government comments.

7. A/E Design Deliverables: The deliverables below are required:

DESIGN:

Conceptual (30%)

- a. Initial site visit to become familiar with VA Facilities personnel, the site and site conditions.
- b. Site investigation and surveys.
- c. Concept Study and recommendations defining the design approach.

Design Development (60%)

- a. Meetings as required.
- b. Site investigation and surveys.
- c. Analysis of subject utility services.
- d. Schematic level cost estimate for budget check.
- e. 60% narrative report.

Un-Reviewed Final Design (90%)

- a. Complete submittal of narrative and cost estimate for final review.
- b. Response to previous submittal review comments.

Final Design (100%)

- a. Submittal of final narrative and final cost estimate.
- b. Final narrative in .pdf and Word format.
- c. Response to previous submittal review comments.

7. Design Review and Completion Schedule: Deliver each identified submittal to the COR on or before the date specified below:

Conceptual Plan: 45 days after NTP

Design Development: 70 days after NTP

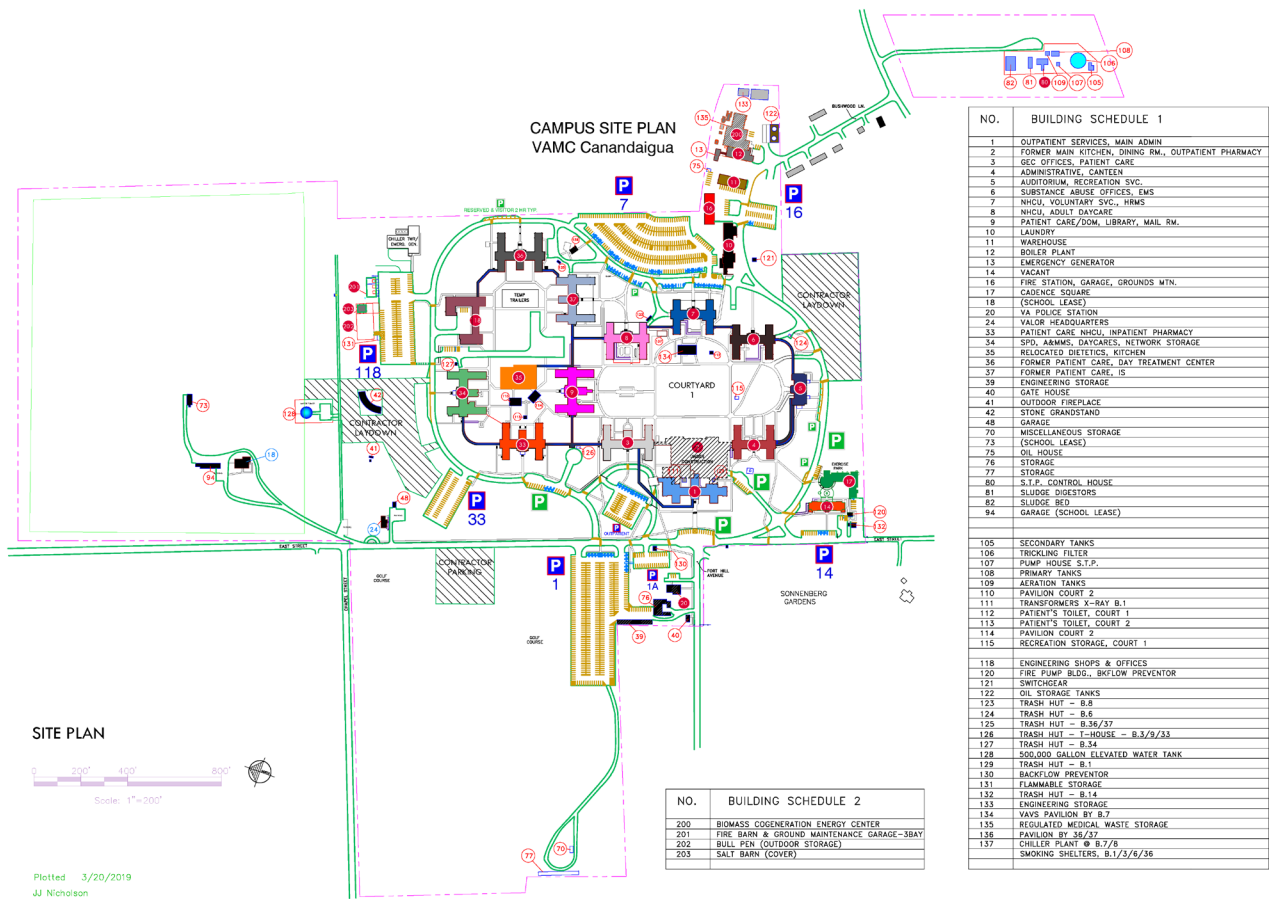
Un-Reviewed Final Design: 110 days after NTP

(Includes 10 days for VA review of the 60% submittal)

Final Design: 125 days after contract award.

(Includes 5 days for VA review of the Un-Reviewed submittal)

8. Design Deliverables: The A/E will provide one electronic and one bound paper copy of all documents at each review stage.
9. Provide a detailed material/labor cost estimate for this project at the 60%, 90%, and 100% review stage, in RS Means format. Submit in editable excel document.



Appendix B- Approximate Site Boundaries of Treatment Plant in green

