Manhattan Steam System Redesign Project

Design Specifications and Construction Period Services.

- Provided study of existing steam distribution system
- Provided review of previous Facility Condition Assessment
- Provided design to replace and consolidate five steam headers off Coned high pressure service including pressure reducing valve stations.
- Provided design to replace DCW suction tank, three DCW booster pumps, instrumentation and controls
- Provide design to replace DHW system consisting of two DHW heaters, storage tanks, heat exchangers, mixing valves, and pumps.
- Provide design to replace condensate cooling system (tank, controls valves, and controls).
- Provided design to clean and recoat three 15,000 gallon DCW/fire protection storage tanks.
- Provided design to replace central PRV station (three parallel branches)
- The demolition drawings will show the removal of the existing deaerator and condensate return tank system. This work will include the following systems and equipment: condensate return tank, trim and controls; condensate transfer pump (two electric pumps); steam pressure reducing valve (PRV) station serving the deaerator tank; and deaerator tank, trim and controls.
- Provided construction phasing narrative and drawings.
- Development of technical drawings and specifications