

APPENDIX I

FUTURE STUDY AREA SANITARY SEWER PUMP STATION REQUIREMENTS

Villebois Master Plan Amendment
Sanitary Sewer Lift Station

Pump Station Building

Pump stations shall have building enclosures that contain all electrical panels, instrumentation, control systems, generator, and other components are required by the City. Exterior walls shall meet building code structural requirements and meet the Villebois Village Architectural pattern book. The generator shall have its own room with an appropriately sized louver for ventilation. The roof shall be constructed with fire proof materials and have a minimum of 10 feet of clear space above the floor.

Access

Design specifications shall incorporate all applicable and reasonable efforts to maximize close and efficient access for removal, replacement and maintenance of all major and minor equipment. This includes but is not limited to adequate clearances, sufficient anchorage, hoists, hatches and platforms.

Design Capacity

Wetwells and force mains shall be designed and sized to accommodate full buildout within the identified basin(s) contributing to the pump station, unless otherwise approved by the City.

Service area shall include all land that can be provided with gravity wastewater collection service. Service area shall also include basins, which may discharge wastewater into the subject basin, as identified in the City's master plan and/or by City staff. Design population shall be determined per the City's master plan and with additional guidance provided by the City. For facilities being constructed to serve new developments, design population should be based on planned build-out densities.

Design Flow

Pumping stations and related components shall be designed to discharge the Peak Hourly Flow (PHF) with criteria as approved by the City, based on approved master plans.

Project Engineer shall also review the City's master plans and the DEQ's guidelines.

Receiving System

Project Engineer shall evaluate the downstream sanitary sewer system to determine the impacts of the increase in flow (e.g. peak pumping capacity) from the proposed pump station.