333000 SANITARY SEWER

PART 1: GENERAL

1.01 SUMMARY

A. Sanitary Cover shall be as required per Cornell University Standard Details 4.4.2 and 4.4.3.

B. Sanitary lines must always be straight from manhole to manhole unless it has been approved by the Utilities Department.

C. All pipe intersections shall be made within a manhole.

D. Design drawings shall include the profile of sanitary piping and crossing existing Utilities.

E. All piped materials shall be specified by the Engineer and approved per the Utilities Department.

F. Sanitary Utility Pumping Stations: All packaged lift and pumping stations shall be submitted to the Utilities Department for review, and must comply with State Department of Health and DEC regulations.

G. Sanitary Utility Piping: Submit TV video of all piping to Utilities for review prior to acceptance.

H. New Manhole: Provide manhole boot connector for cast-in-place pipe to manhole connectors. Manhole boot connector shall provide a positive watertight connection with up to 20 degree omni-directional deflection and 1.00” of vertical or horizontal movement without loss of seal. Manhole boot connector shall be made from an EPDM compound with stainless steel hardware and meet requirements of ASTM C-923 “Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals” and ASTM C-1644 “Standard Specification for Resilient Connectors Between Reinforced Concrete On-Site Wastewater Tanks and Pipes.”

I. Existing (core bored hole): Provide pipe to manhole connectors for cored holes in existing manholes. Pipe to manhole connector shall provide a positive watertight connection. Pipe to manhole connector shall be made from an EPDM compound or polyisoprene rubber with stainless steel pipe clamp and compression band to seal against cored hole in concrete structure.