

The following standard specification is intended to be edited according to the specifics of the project. Brackets [] and areas shaded in gray [e.g. format] indicate requirements that are optional depending upon the type of system being provided or per instructions associated with the [] and project requirements. Consult with University's Representative and campus stakeholders.

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SECTION 33 39 23 SANITARY UTILITY SEWERAGE CLEANOUTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Sewerage cleanout requirements and access.

1.2 RELATED SECTIONS

- A. Section 01 33 23 Shop Drawings, Product Data and Samples
- B. Section 01 43 00 Quality Assurance
- C. Section 31 23 33 Trenching and Backfilling
- D. Section 33 31 00 Sanitary Utility Sewerage Piping

1.3 REFERENCES

- A. ASTM C891 - Standard Practice for Installation of Underground Precast Concrete Utility Structures

1.4 SUBMITTALS

- A. See Section 01 33 23 Shop Drawings, Product Data and Samples for submittal procedures.
- B. Product Data: Provide data acknowledging that products meet requirements of standard referenced.
- C. Manufacturer's Installation Instructions: Indicate special procedures required to install Products specified.
- D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- E. Project Record Documents:
 - 1. Record location of cleanouts and invert elevations.

PART 2 - PRODUCTS

2.1 CLEANOUTS

Note to specifier: Coordinate and comply with University Standard Detail SS-04.

- A. Cleanouts shall be as indicated on Drawings and shall comply with details.
- B. Cleanout components shall be the same size and same pipe material as the lateral and shall be a pipe extension to grade with compression plug.
- C. Curb box shall be over the riser pipe. A precast concrete box, Christy F8, with cast iron lid or equal shall be used in non-traffic areas. A Christy G5 concrete box with cast iron lid or equal shall be used in traffic areas. Lids shall be marked "SEWER."

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Installation shall comply with ASTM C891 and as detailed, Service Lateral and Cleanout.

Note to Specifier: Coordinate with Section 31 23 33

- B. Bedding and Cover shall be as specified in Section 31 23 33 Trenching and Backfilling.
- C. Cleanouts shall be installed 18 inches from face of curb or 12 inches maximum behind sidewalk. Where service is in a driveway, install cleanout 18 inches behind apron.
- D. In cases where the cleanout installation conflicts with existing facilities, the Contractor shall verify in writing any alternative location with the University's Representative prior to installation.
- E. Placement of cleanout in concrete box shall be vertical and centered in the box.

3.2 TESTING

- A. Testing shall conform to the testing requirements in Section 33 31 00 Sanitary Utility Sewerage Piping.
- B. Perform field inspection and testing in accordance with Section 01 43 00 Quality Assurance.

END OF SECTION 33 39 23