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