

FACILITIES STANDARD

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NAME : Underground Vault or Pit with Lid/Cover
NUMBER : 15155

ORIGINAL DATE : 03-01-94
REVISION DATE : 03-16-99

PURPOSE:

1. The general purpose of each Facilities Standard is to provide minimal criteria for construction materials at University facilities regarding code compliance, warranty, approved products, execution and uniformity.
2. To protect the health and safety of patients, visitors, students, faculty and staff, in addition to protecting non-project UAB property, all construction must be in accordance with: NFPA 241 safeguarding construction, alteration and demolition operations; Standard Building Code, Chapter 33, regarding site work, demolition and construction; NFPA 101 Life Safety Code.
3. Construction safety is the responsibility of the contractor in accordance with the regulations and codes of the agency having jurisdiction, and according to the guidelines adapted by OSHA.
4. The **Underground Vault or Pit with Lid/Cover Facilities Standard** establishes a series of guidelines for specifying this particular item on any construction project at the University. ***This Facilities Standard is not to be regarded as a specification.***

GENERAL:

- A. An Underground Vault or Pit with Lid/Cover shall be provided, where required, at exterior building locations subject to pedestrian traffic.
- B. Warranty shall be one year from Substantial Completion.
- C. Underground Vault or Pit with Lid/Cover shall conform with the Americans with Disabilities Act, the Uniform Federal Accessible Standards.
- D. All Underground Vaults or Pits with Lid/Cover shall have sump pumps installed for water removal where applicable.
- E. All work shall be done in accordance with the latest edition of the Standard Plumbing Code.

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PRODUCTS:

- A. Underground Vault or Pit with Lid/Cover shall be suitable to adjacent surfaces, and flush with adjacent surfaces.
- B. All frames shall be reversible and can be installed with flange at base or top.
- C. All cap screws shall be stainless steel countersunk hex head type.
- D. A flat neoprene gasket around lid perimeter shall be provided.
- E. Hinged waterproof lift handles for lid that fit flush with top of lid shall be provided.
- F. Stainless steel flush butt type hinges shall be provided for all lids.
- G. Hold open device(s) shall be provided on adjacent sides of hinged edge of lid.
- H. All frame and lid assemblies shall be suitable for heavy duty traffic.
- I. Frame and lid castings shall be ductile iron with a minimum tensile strength of 60,000 psi.
- J. Dimension variance from Contract Document Specifications shall not exceed 1/16" shrinkage per foot.
- K. Lighting shall be provided in vaults with equipment.

EXECUTION:

- A. Complete top of lid assembly shall be flush with surrounding surfaces.
- B. Coordinate exact location of Vault or Pit Assembly with all existing conditions so as not to create an unsightly or hazardous condition.
- C. Coordinate exact location of Vault or Pit Assembly with The Birmingham Water Works Board Distribution Department, Birmingham Street and Sanitation Department, Alabama Gas Company, Alabama Power Company, U.A.B.

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- Communications Department, and any other utility distribution department or company so as to create as little interference as possible with existing utilities.
- D. Vault or Pit Assembly shall be installed where water spillage will create no problem and where inspection and service can easily be performed.
- E. Whenever possible locate Vault or Pit Assembly outside of traffic areas.

END OF STANDARD

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