



SPECIFICATION FOR CONCRETE VAULTS

1. GENERAL

- 1-A.* Furnish a precast Concrete Vault system as manufactured by Concast Incorporated, Zumbrota, Minnesota. A vault system composed of a base and extension rings, installed in the earth with recessed covers to fit flush with grade.
- 1-B.* Precast Vault sections shall be cast in steel forms using 5000 PSI or greater, compressive strength concrete with Type One Portland Cement, and steel rebar reinforcing.
- 1-C.* The vault system should consist of precast reinforced concrete, with 6” thick walls, interlocking extension rings, and removable cover sections assembled to form a completely enclosed vault.
- 1-E.* Base ring will be poured with bottom, which will have holes for adequate drainage or for attaching sump.
- 1-F.* For depths exceeding 36” extension rings will be stacked vertically on base ring to meet desired depth.
- 1-G.* Conduit entrances will be supplied per job requirements and will be made available in any size and configuration.
- 1-H.* Lifting devices shall be cast into base and extension rings for use during installation with either a 4 way chain or sling.
- 1-I.* The vault system shall be designed to support ASHTO H-20 heavy equipment requirements 32,000 lb. Axle load.
- 1-J.* Covers to be made available out of either, fabricated hot-dipped galvanized steel for H-20 requirements or Concast Fibercrete®, an alkali glass fiber and deformed prefabricated high tensile welded wire system, for pedestrian ratings of 200 psf live load.

2. DRAWINGS

- 2-A.* Drawings will be provided for engineering approval and field installation. Final drawings will include individual details, and installation guidelines. Electronic drawings can be available upon request.

CONCAST INC.
1010 North Star Drive
P.O. Box 69
Zumbrota, MN 55992-0069
Phone: (507) 732-4095
Fax: (507) 732-4094