



GENERAL NOTES:

1. Provide precast reinforced concrete barrel and riser section. Concrete block construction is not permitted.
2. Provide granular backfill around manhole to subgrade elevation in paved areas. Materials shall meet the requirements of IDOT "Standard Specifications for Road and Bridge Construction" for coarse aggregate CA-6 gradation.
3. Joint Sealant- All surfaces shall be free of dirt, oil or debris. Apply a continuous layer of non-hardening bituminous bucket mastic material to each joint below the bottom of the cone or flattop. Excess joint sealant shall be trimmed flush to both inside and outside surfaces of the structure. Approved products are as follows: EZ-STIK premium butyl sealant by Press-Seal Corporation, CS-202 Butyl Rubber Sealant by Conseal, or RU106 RUB'R-NEK by Henry.
4. When the frame does not meet the proposed elevations, adjusting rings shall be used for final adjustment. A maximum of 3 adjusting rings may be used up to a total of 12 inches of rings. Concrete, rubberized, high density expanded polystyrene with a polyuria coating or expanded polypropylene rings may be used (all rings must be IDOT approved). Concrete rings may be no less than 3 inches thick. Each rings shall be sealed underneath the frame per the product manufacturers specifications with the approval of the Engineer.
5. Precast adjusting rings shall be reinforced with No. 3 gauge wire or equivalent and shall have a minimum thickness of 3 inches.
6. Within non-paved areas, mortar shall only be used to dress up adjusting rings and/or frame on the exterior of the structure. Mortar is not permitted on the inside of the rings and/or frame.
7. When specified, plastic polymer steps shall be used. Steps shall not extend beyond the outside of the structure.
8. Approved exterior joint sealant membrane products: Cretex wrap by Cretex Specialty Products, INFI-SHIELD, Gator Wrap by Sealing Systems, INC, or Barrel Wrap by Adaptor. Approved external chimney products are: Classic External Chimney Seal by Cretex Specialty Products, INFI-SHIELD Rubber External Chimney Sealing by Sealing Systems, Inc. or Internal/External adaptor seal (IEA SEAL) by Adaptor. All products shall be provided by an authorized vendor and shall be installed per the manufacturer's specifications.
9. Valve must align with the center of the vault opening.
10. Cones must be concentric with valves 12" and smaller.
11. Butterfly valves require eccentric cones.
12. All valve vaults require rubber boots with stainless steel straps with the exception of pressure connections valve vaults. (Per water detail 10)
13. Outside of paved areas, a chimney sealing system per Village detail Sanitary 6 shall be installed.

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**WATER TIGHT
VALVE VAULT**

VILLAGE OF LOMBARD
WATER 4