



### GENERAL NOTES:

1. Only precast reinforced concrete barrel and riser sections are allowed.
2. Provide granular backfill around the 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. Apply a continuous layer of non-hardening preformed bituminous mastic material (RU 106 RUB'R-NEK by Henry, EZ-Stick by Press-Seal Corporation or an approved substitution) to each joint below the bottom of the cone or flattop.
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 maximum height of 12 inches. Concrete, Rubberized, High Density Expanded Polystyrene with a Polyurea 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 ring 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 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 the frame on the exterior of the structures. Mortar is not permitted on the inside of the rings and/or the frame.
7. When specified, plastic polymer steps shall be used. Steps shall not extend beyond the outside of the structure, refer to Village detail STORM 13
8. When the manhole depth is over 12 feet, the thickness of the base shall be a minimum of 10 inches. When the manhole depth is less than 12 feet, the thickness shall be a minimum of 8 inches.
9. In paved areas drain holes/weep holes shall be covered with filter fabric. Filter fabric shall be secured to the outside of the structure prior to backfill.
10. In grass areas drain holes/weep holes shall be plugged with hydraulic cement.

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## MANHOLE TYPE A

VILLAGE OF LOMBARD

STORM 1