**TYPE E**
Two-piece fixed casting

**TYPE F: HMA**
Three-piece floating casting for use in HMA paving

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Frame Notes:
Size, spacing, and number of lugs and flanges may vary.

Cover Notes:
Roughness pattern and text style may vary. Minimum one pickhole.

1. Anchor the lower frame of all three-piece castings to the manhole structure. When specified in the contract documents, anchor the frame of two-piece castings to the manhole structure. If casting frame does not include anchor holes or slots, drill four 7/8 inch diameter holes, equally spaced around the frame.

2. Casting height varies. Minimum adjustment range of 4 inches.

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**Anchor Bolt Hole**

**Flange (typ.)**

**Anchor Bolt**

**Gasket to seal out debris**

**Roughness pattern and text style may vary.**

**Size, spacing, and number of lugs and flanges may vary.**

**Minimum one pickhole.**
TYPE F: PCC
Three-piece floating casting for use in PCC paving and PCC boxouts

Anchor Bolt
Lug

26" min.
24" min. clear opening
33 1/2" min.

Gasket to seal out debris
Steel Sleeve

26" min.
24" min. clear opening
33 1/2" min.

Height Adjustment
Bolts and Slots

STORM
SEWER

Frame Notes:
Size, spacing, and number of lugs and flanges may vary.

Cover Notes:
Roughness pattern and text style may vary. Minimum one pickhole.

1. Anchor the lower frame of all three-piece castings to the manhole structure. When specified in the contract documents, anchor the frame of two-piece castings to the manhole structure. If casting frame does not include anchor holes or slots, drill four 7/8 inch diameter holes, equally spaced around the frame.

2. Casting height varies. Minimum adjustment range of 4 inches.

3. Set casting at proper grade using the adjustment slots or adjustment mechanism. Remove bolts or mechanism upon completion of paving.

4. Height adjustment method may vary; two options are shown.
Two piece fixed casting

Minimum one pickhole.

Roughness pattern and text style may vary.

Add option for 3-piece HMA casting.

CASTINGS FOR
STORM SEWER MANHOLES