**TYPE A**
Two-piece fixed casting

**TYPE C**
Two-piece fixed casting with bolt-down cover

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

**TYPE D: HMA**
Three-piece floating casting with bolt-down cover for use in HMA paving

---

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

**Cover Notes:**
Roughness pattern and text style may vary. Minimum one concealed 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. If specified, furnish bolt down frame and cover with four 1/2 inch minimum diameter stainless steel, hex nut, recessed cap screws. Secure cover with screws, washers, and rubber gasket seals.

FIGURE 6010.601
SANITARY SEWER MANHOLES
CASTINGS FOR STANDARD ROAD
FIGURE 6010.601
SUDAS DIRECTOR
DESIGN METHODS ENGINEER

Minimum one concealed pickhole.

Roughness pattern and text style may vary.

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

Frame Notes:

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. If specified, furnish bolt down frame and cover with four 1/2 inch minimum diameter stainless steel, hex nut, recessed cap screws. Secure cover with screws, washers, and rubber gasket seals.


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

5. Height adjustment method may vary; two options are shown.

TYPE B: PCC
Three-piece floating casting for use in PCC paving and PCC boxouts

TYPE D: PCC
Three-piece floating casting with bolt-down cover for use in PCC paving and PCC boxouts

Bolt-Down Cover (Type D) ①
Anchor Bolt ①
Lug
Gasket Seal
Gasket to seal out debris
Steel Sleeve
Bolts and Slots ④
Height Adjustment Mechanism ④

24" min. clear opening
24" min. clear opening
26" min.
26" min.
33 ½ min.
33 ½ min.