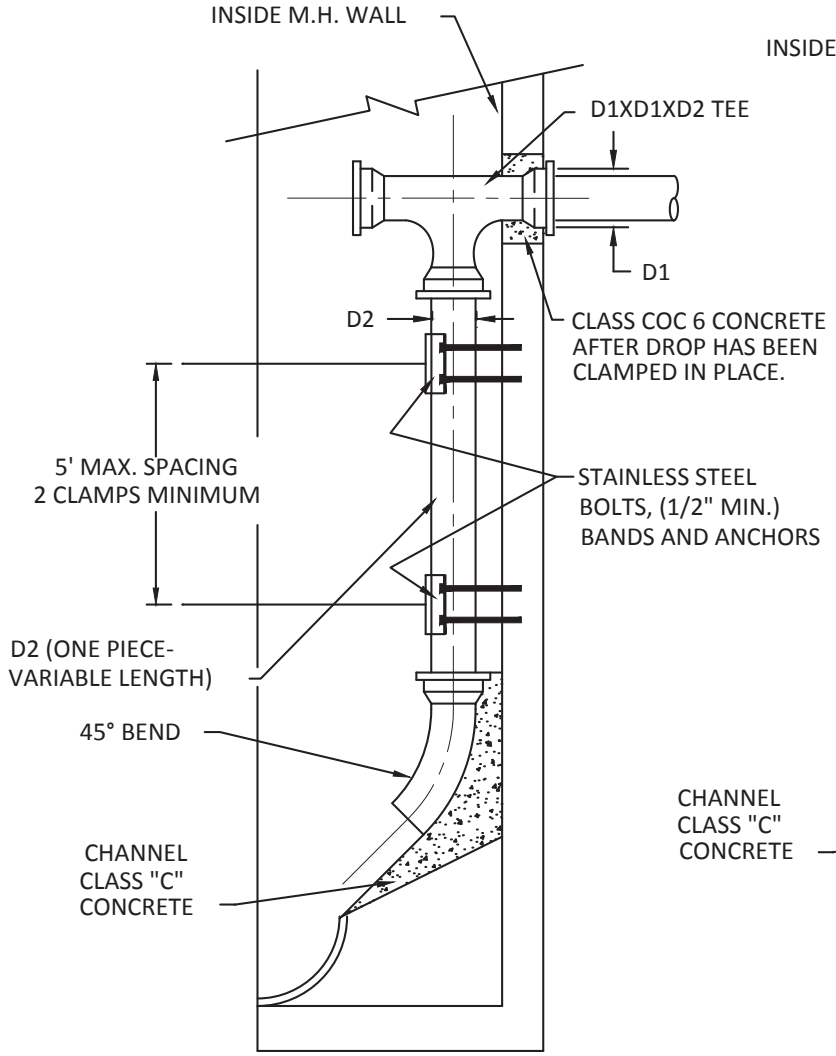
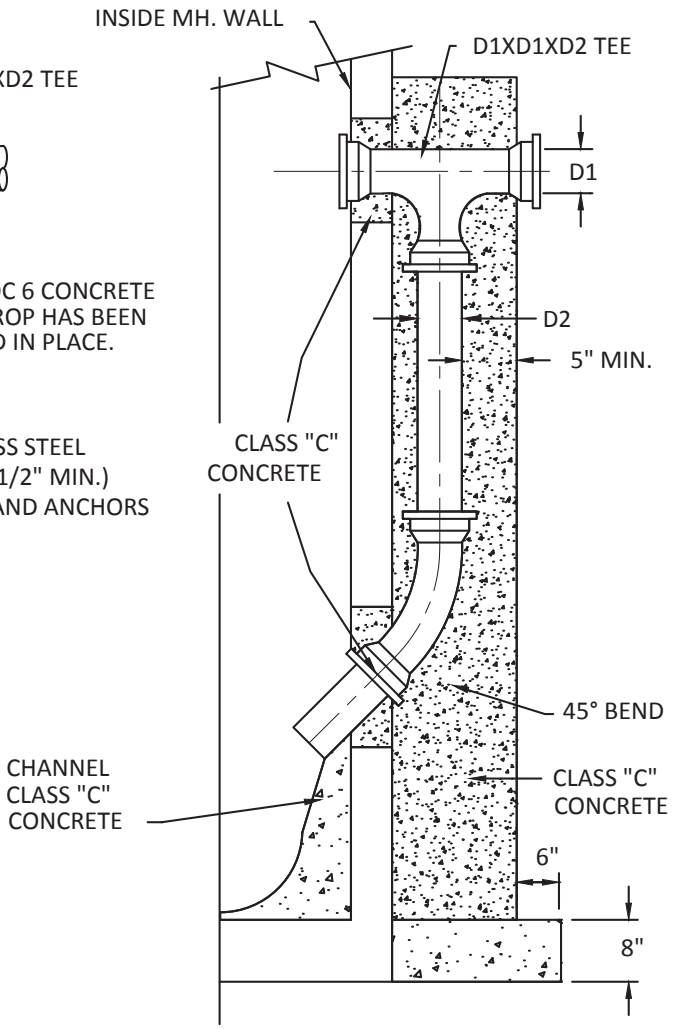


INSIDE DROP
(HALF SECTION)



OUTSIDE DROP
(HALF SECTION)

NOTES:

1. DROP IS REQUIRED WHEN INVERT DIFFERENTIAL IS 24" OR GREATER.
2. HEIGHT OF DROP PIPE IS TO BE AS SHOWN ON THE PLANS OR WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
3. ALL WORK AND MATERIALS REQUIRED TO CONSTRUCT THE INSIDE OR OUTSIDE DROP SHOULD BE INCLUDED FOR PAYMENT UNDER ITEM 604, MANHOLES, OR ITEM 901, PIPE SEWERS COMPLETE IN PLACE.
4. WHERE CALLED FOR, AND UNLESS OTHERWISE REQUIRED BY THE PLANS, THE OUTSIDE DROP WILL BE CONSTRUCTED WITH NEW MANHOLES.
5. MATERIALS FOR THE TEE, DROP PIPE AND BEND SHALL BE OF ONE TYPE AND BE ONE OF THE FOLLOWING - INSIDE DROP: DUCTILE IRON OR PVC. OUTSIDE DROP: DUCTILE IRON OR PVC.
6. OUTSIDE DROP PIPES REQUIRE A 5" THICK (MINIMUM) CLASS "C" CONCRETE ENCASEMENT ON THREE SIDES OF PIPE AND TIED TO MANHOLE WALL WITH 5/8"-"U" RODS X 6" LONG @ 12".
7. INSIDE DROP MAY BE USED ON NEW CONSTRUCTION PROVIDED THAT 60" BASE AND RISER SECTIONS ARE USED.
8. IN LIEU OF A TEE FITTING FOR INSIDE DROPS, DROP BOWL AND HOOD ASSEMBLY BY DURAN-RELINER OR APPROVED EQUAL MAY BE UTILIZED IN CONJUNCTION WITH A FLEXIBLE WATERTIGHT CONNECTION FOR THE INCOMING SEWER.

PIPE DIAMETER	
D1	D2
8"	8"
10"	8"
12"	8"
15"	10"
18"	10"
21"	10"
21"	12"
24"	12"

EST 1808
CITY OF
DELAWARE
OHIO
Public Works Department

STANDARD DETAIL

INSIDE & OUTSIDE DROP PIPES FOR
SANITARY SEWER MANHOLES

UTIILITIES

SEWD-3.0

Rev. 12/31/2018