

MANHOLE BARREL SHALL BE PRE-CAST CONCRETE ASTM C478 OR GLASS FIBER REINFORCED ASTM D3753. FOR CONNECTING PIPES 18" DIAMETER OR LESS, THE MANHOLE BARREL SHALL BE 4' DIAMETER; WHERE THERE ARE LARGER CONNECTING PIPES OR MORE THAN ONE INSIDE DROP CONNECTIONS, THE DIAMETER SHALL BE 5'.

**REFERENCE DETAILS**

- SD-009
- SD-015 OR SD-016
- SD-017
- SD-018
- SD-011 OR SD-012  
OR SD-040

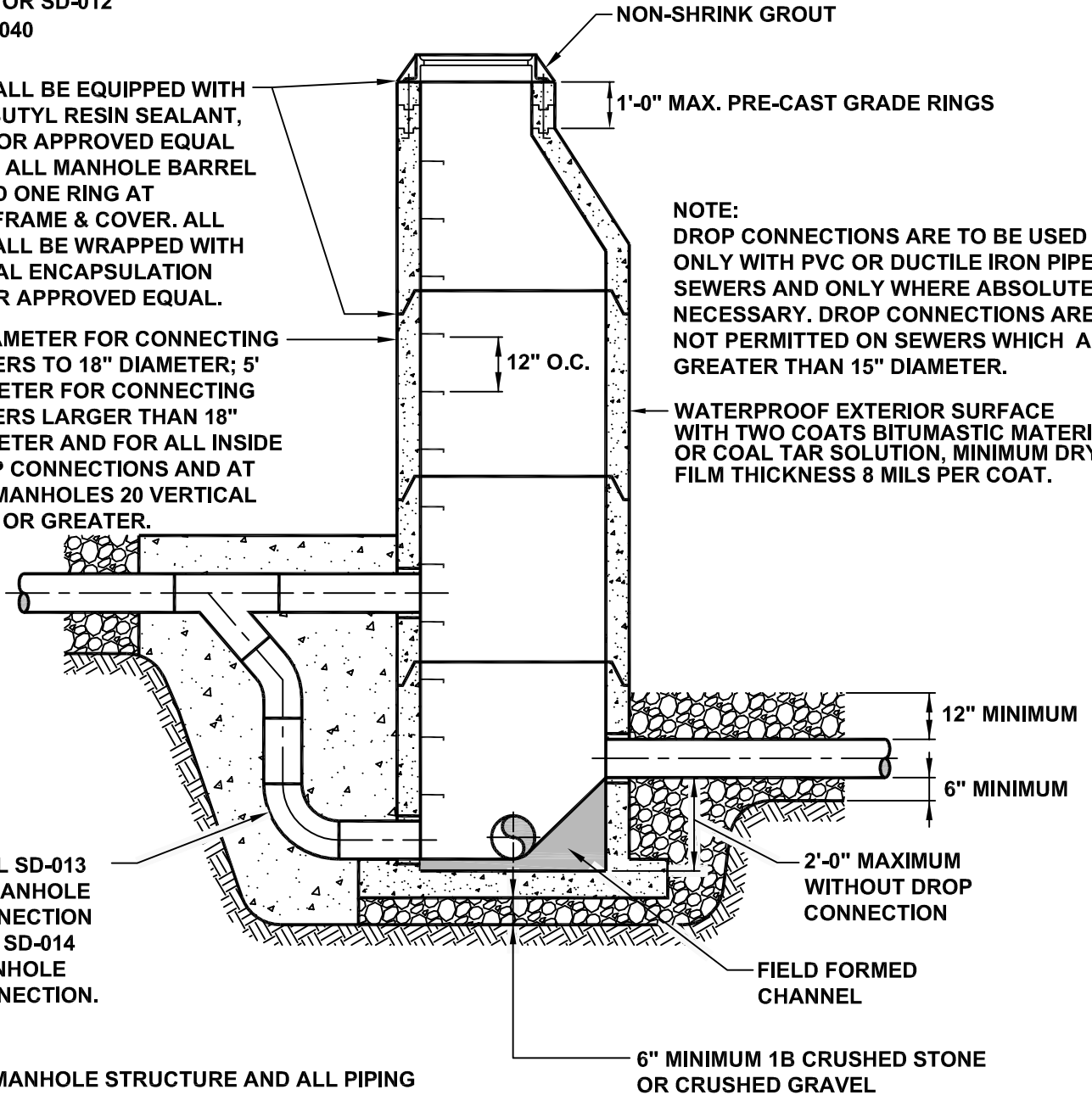
**NOTE:**  
TYPICAL DROP CONNECTION SHALL BE OF THE INSIDE DROP TYPE. OUTSIDE DROP CONNECTIONS MUST BE SPECIFICALLY APPROVED BY THE AUTHORITY ENGINEER

JOINTS SHALL BE EQUIPPED WITH FLEXIBLE BUTYL RESIN SEALANT, CON-SEAL OR APPROVED EQUAL PLACED AT ALL MANHOLE BARREL JOINTS AND ONE RING AT MANHOLE FRAME & COVER. ALL JOINTS SHALL BE WRAPPED WITH WRAPIDSEAL ENCAPSULATION SYSTEM, OR APPROVED EQUAL.

4' DIAMETER FOR CONNECTING SEWERS TO 18" DIAMETER; 5' DIAMETER FOR CONNECTING SEWERS LARGER THAN 18" DIAMETER AND FOR ALL INSIDE DROP CONNECTIONS AND AT ALL MANHOLES 20 VERTICAL FEET OR GREATER.

**NOTE:**  
DROP CONNECTIONS ARE TO BE USED ONLY WITH PVC OR DUCTILE IRON PIPE SEWERS AND ONLY WHERE ABSOLUTELY NECESSARY. DROP CONNECTIONS ARE NOT PERMITTED ON SEWERS WHICH ARE GREATER THAN 15" DIAMETER.

WATERPROOF EXTERIOR SURFACE WITH TWO COATS BITUMASTIC MATERIAL OR COAL TAR SOLUTION, MINIMUM DRY FILM THICKNESS 8 MILS PER COAT.



SEE DETAIL SD-013 OUTSIDE MANHOLE DROP CONNECTION OR DETAIL SD-014 INSIDE MANHOLE DROP CONNECTION.

**NOTE:**  
SUPPORT MANHOLE STRUCTURE AND ALL PIPING CONNECTIONS ON A MINIMUM OF 6" THICKNESS 1B BEDDING MATERIAL. ENCAPSULATE ALL PIPES WITHIN MANHOLE EXCAVATION IN THE SAME MATERIAL TO AN ELEVATION OF 12" ABOVE THE TOP OF PIPES. OUTSIDE MANHOLE DROP CONNECTION SHALL BE ENCASED WITH CONCRETE.

Municipal Authority Of The Township Of South Fayette 900 Presto Sygan Road Bridgeville, Pa 15017		<b>MANHOLE FOR SEWERS FOR DEPTHS                  GREATER THAN 5 FEET</b>
Not to scale	March 2014	Standard Detail SD-013