



**NOTE:** ONLY ONE PER 48" DIAMETER MANHOLE.

USE FLEXIBLE RUBBER BOOT OR APPROVED PVC MANHOLE ADAPTOR AS MANUFACTURED BY GPK PRODUCTS, INC. OR APPROVED EQUAL IN CORE OPENING.

- (A) ALL THRU PIPE SHALL BE FITTED WITH AN SDR 35 P.V.C. REMOVABLE CAP WHICH SHALL BE HELD IN PLACE BY THE INTERFERENCE (FRICTION) FIT BETWEEN THE PIPE AND CAP.
- (B) ALL CAPS SHALL BE SECURED TO THE DROP FITTING WITH TWO (2) FEET OF GALVANIZED CHAIN SECURED WITH TWO STEEL MACHINE SCREWS, NUTS AND WASHERS.
- (C) CHAMFER ON ALL PIPE SIZES TO BE AT A 15 DEGREE ANGLE.
- (D) HEIGHT OF VERTICAL STACK WILL BE DETERMINED BY ENGINEER, BUT WILL NOT BE LESS THAN TWO FEET.
- (E) DROP STACK TO BE 6" OR 8" SDR 35 P.V.C. PIPE CONNECTED TO DROP FITTING WITH STANDARD GASKETED JOINT.
- (F) VERTICAL STACK WILL BE STRAPPED TO MANHOLE AT PIPE JOINTS. STRAPS SHALL BE MADE OF STAINLESS STEEL OR APPROVED MATERIAL NONCORROSIVE TO SEWER GASES.
- (G) SHAPE INVERT AS NEEDED TO PROVIDE SMOOTH TRANSITION FROM DROP CONNECTION DISCHARGE POINT TO SPRING LINE OF MANHOLE INVERT.
- (H) ELBOW AT BOTTOM OF THE STACK WILL BE A 90 DEGREE BEND POSITIONED IN THE DIRECTION OF THE FLOW IN MANHOLE WITH BENCH CONSTRUCTED TO CONFORM TO MANHOLE BENCH.
- (I) MANHOLE OPENING TO BE CORED AS DESCRIBED IN PART III AND PART IV OF THE LATEST COUNTY WATER AND SEWER SPECIFICATIONS.
- (J) DROP STACK SHALL NOT BE INSTALLED WITHIN 60 DEGREES OF THE ACCESS STEPS.
- (K) INSIDE DROP CONNECTIONS MAY BE USED AS AN ALTERNATIVE TO EXTERIOR DROP CONNECTIONS UNDER SPECIAL CIRCUMSTANCES, IE. BAD SOILS, HIGH WATER TABLE, UTILITY CONFLICTS, AND EXCESSIVE DEPTHS.

DATE  
MAY 2004  
HANOVER  
DPU

## STANDARD DROP CONNECTION (INSIDE)

DRWG. NO.  
MAN-16