

SEE FAIRFAX STD.  
DETAIL 4.02  
OR 4.03  
FOR CONSTRUCTION  
CONTINUATION

STANDARD PRECAST  
CONCRETE MANHOLE

DROP MANHOLE TEE

USE FLEXIBLE RUBBER  
BOOT OR APPROVED  
PVC MANHOLE ADAPTOR  
IN CORE OPENING

OMNI COUPLING  
IF CHANGES PIPE  
MATERIAL

45° BEND OR  
90° BEND  
(SEE NOTE 6)

4'-0" DIAMETER (MINIMUM)

27"

6"

6"

REMOVABLE PLUG  
(SEE NOTE 3)

PIPE STRAPS  
MIN. SPACING 18"  
(STAINLESS STEEL)

PIPE SIZE SAME

BENCH AND  
INVERTS TO BE  
REBUILT TO  
HANDLE NEW  
FLOWS

## NOTES:

1. This detail is to be approved on a case by case basis.
2. All thru pipe shall be fitted with sch. 40 pvc removable plug.
3. The plugs shall be secured to the drop fitting with two feet of galvanized or other non-rusting chain secured with stainless steel machine screws, nuts, and washers.
4. The diameter of the vertical stack shall be equal to inlet pipe size but not less than 6". Drop stack to be SCH. 40 pvc pipe.
5. The vertical stack shall be strapped to the manhole at the pipe joint when more than one section.
6. The elbow at the bottom of the stack may be either a 45° or 90° turn placed in the direction of flow in the manhole with a channel constructed to conform to the manhole bench.
7. The pipe shall be chamfered to an angle of 15°.



Department of Public Works  
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Fairfax, VA 22030-3630

**CITY of FAIRFAX**  
USE WITH THE FAIRFAX STANDARD SPECIFICATIONS ONLY

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# STANDARD INTERIOR DROP MANHOLE

SCALE:  
Not To Scale

DETAIL #  
4.07

REVISION DATE:  
February 2017

SHEET #:  
1 of 2

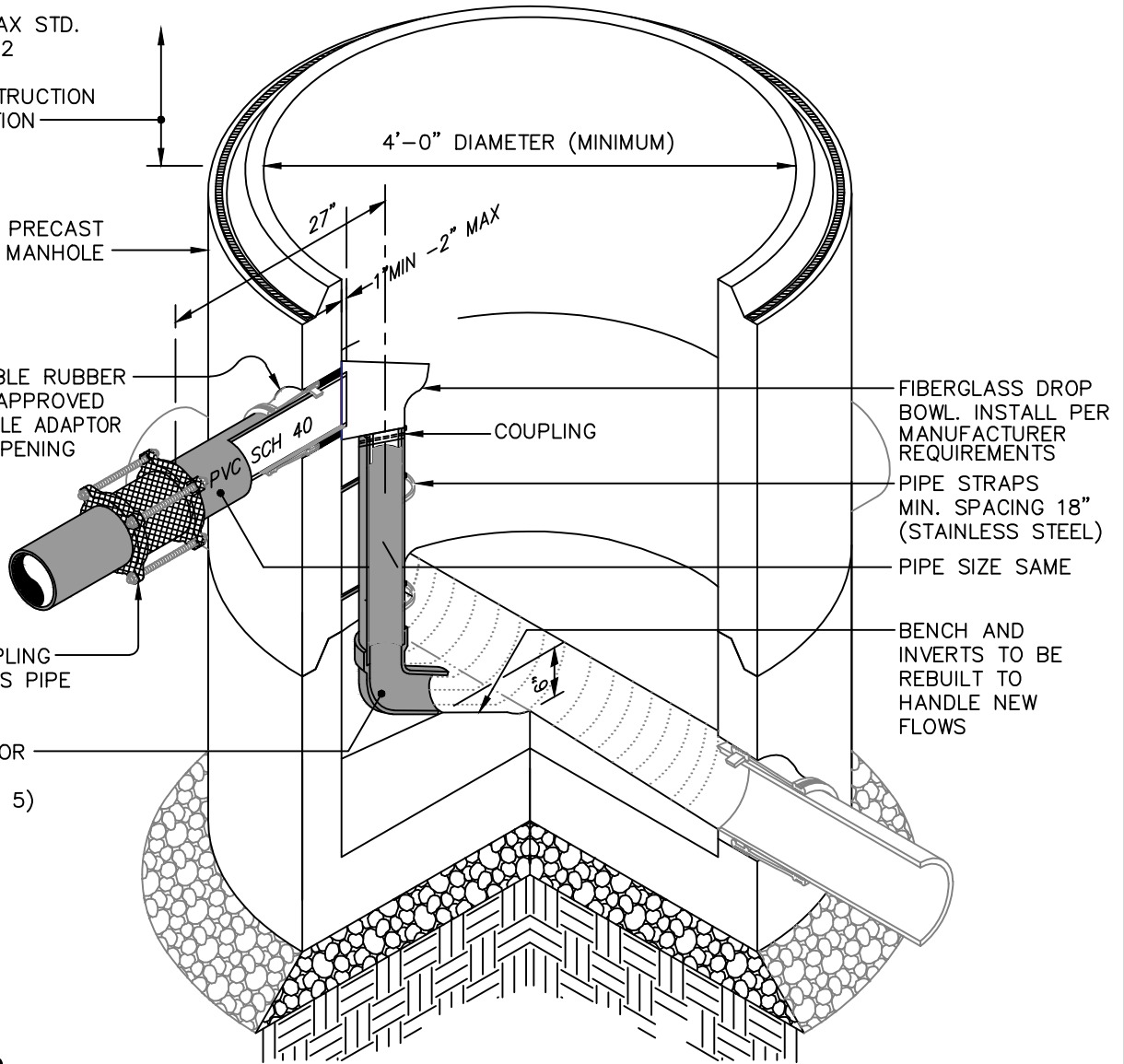
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CONCRETE MANHOLE

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BOOT OR APPROVED  
PVC MANHOLE ADAPTOR  
IN CORE OPENING

OMNI COUPLING  
IF CHANGES PIPE  
MATERIAL

45° BEND OR  
90° BEND  
(SEE NOTE 5)



FIBERGLASS DROP  
BOWL. INSTALL PER  
MANUFACTURER  
REQUIREMENTS

PIPE STRAPS  
MIN. SPACING 18"  
(STAINLESS STEEL)

PIPE SIZE SAME

BENCH AND  
INVERTS TO BE  
REBUILT TO  
HANDLE NEW  
FLOWS

**NOTES:**

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**STANDARD INTERIOR DROP MANHOLE  
( FIBERGLASS DROP BOWL )**

SCALE:  
Not To Scale

DETAIL #  
4.07

REVISION DATE:  
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SHEET #:  
2 of 2