

**FIELD & WOODS APPLICATION**

**STREETS APPLICATION**

BOLT FRAME TO CASTING  
(4 REQ'D) (WATERPROOF  
MANHOLE FRAME ONLY)

MANHOLE CASTING  
SEE DETAILS 4.09,  
4.10, & 4.11

NOTE: STEPS REQUIRED WHEN MANHOLE  
DEPTH IS 4' AND MORE. FIRST STEP TO  
BE 34" FROM TOP OF FRAME MAXIMUM

12" MIN.  
FROM TOP  
OF COVER  
TO GRADE

3", 4", 6", OR 8"  
PRECAST GRADE RINGS -  
MAXIMUM OF 12"  
ALLOWED, OTHERWISE ADD  
RISER SECTION

PLACE 1/2" GROUT BETWEEN  
CONCRETE GRADE RING(S),  
MANHOLE CASTING, AND  
PRECAST CONE

BITUMASTIC WATER PROOFING  
ON EXTERIOR OF ALL SANITARY  
MANHOLES

ALL JOINTS TO BE T & G  
WITH O-RING OR FORSHEDA  
GASKETS.

REINFORCING PER  
PRECAST MANUFACTURER  
TO MEET ASTM C-478

15" CENTER TO CENTER  
SEE SANITARY SEWER  
SPECIFICATION

PRECAST OPENING REQUIRED  
FOR ALL PIPES.  
SEE PLANS FOR PIPE SIZES.

SLOPE SHELF 1"/FT MAX.

SEE SPECS FOR FOUNDATION  
IMPROVEMENT WHEN NEEDED.

3'-0" MIN.  
ECCENTRIC  
CONE

15" CENTER TO CENTER  
SEE SANITARY SEWER  
SPECIFICATION

1'-0" to 5'-4"  
RISER

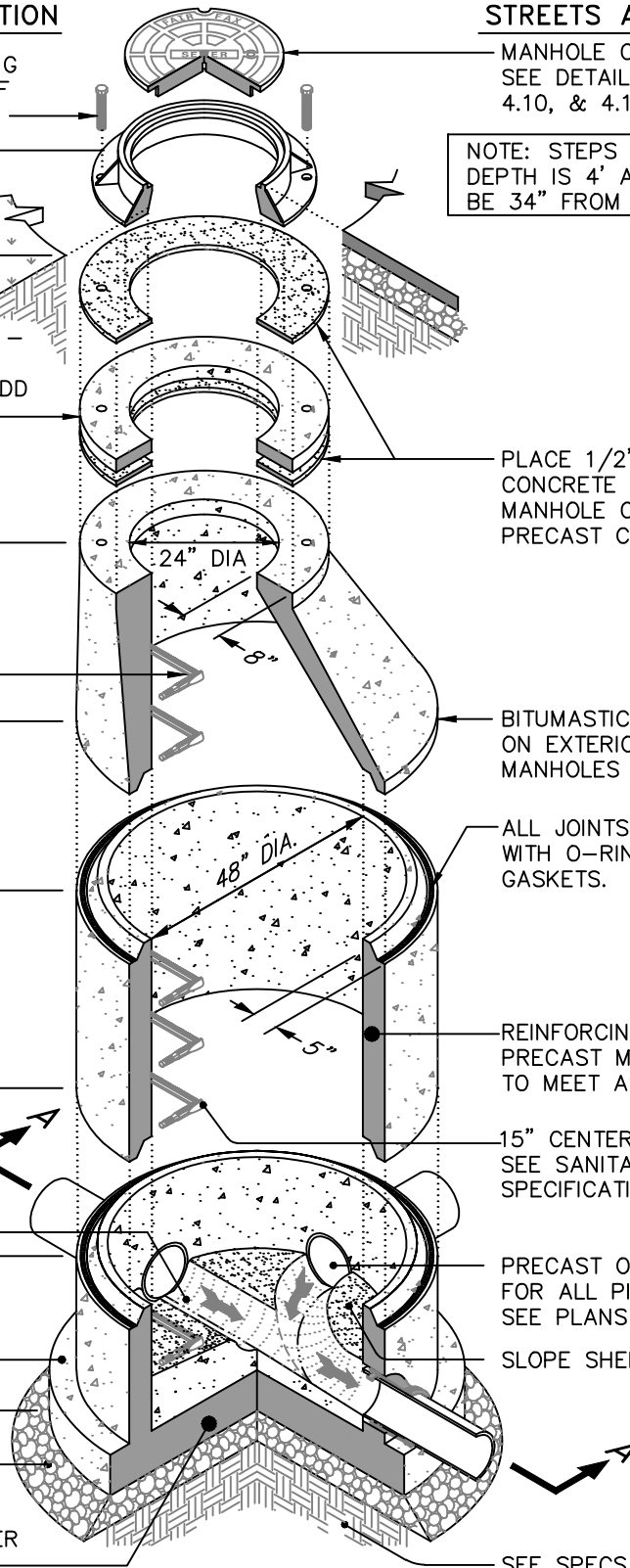
SLOPE OF CHANNEL  
THRU MANHOLE =  
0.20' FALL UNLESS  
SHOWN OTHERWISE  
ON PLANS.

2'-0" to 4'-0"  
BASE

EXTENDED BASE

SET MANHOLE IN 12"  
VDOT #57 STONE.

REINFORCING PER  
PRECAST MANUFACTURER  
TO MEET ASTM C-478



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

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**4' DIAMETER MANHOLE  
CONE TOP**

SCALE:  
Not To Scale

DETAIL #  
4.02

REVISION DATE:  
February 2017

SHEET #:  
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