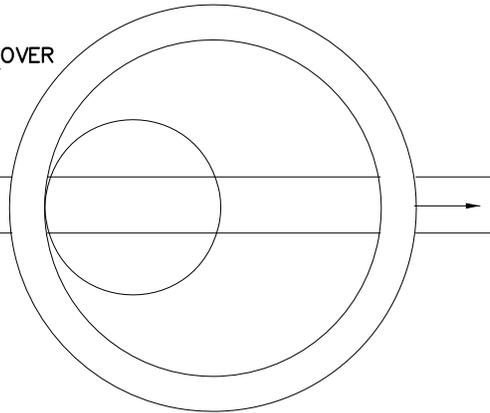


LOCATE MANHOLE COVER
OVER UPSTREAM OF
MAIN LINE

FLOW DIRECTION



NOTES

1. STANDARD 48" MANHOLE TO BE USED FOR PIPES 24" AND LESS.
2. PRECAST CONCRETE STRUCTURES SHALL HAVE STRENGTH OF 4000 PSI.
3. STANDARD MANHOLE DEPTH = 8' TOP OF FRAME TO INVERT.
4. LATERAL LINES TO MATCH TOP OF INLET PIPE AT MANHOLE.
5. ALL INTERIOR JOINTS AND CONNECTIONS SHALL BE WATER TIGHT, AND GROUTED WITH NON-SHRINK GROUT.
6. ALL MANHOLES SHALL BE VACUUM TESTED PRIOR TO ACCEPTANCE.
7. IF END OF LINE MANHOLE, STEP SHALL BE LOCATED ON DOWNSTREAM SIDE AND CHANNEL SHALL BE CONSTRUCTED FULL WIDTH OF INTERIOR.

USE OF KEY-LOC TYPE MANHOLE SECTIONS REQUIRES SEALING OF EXTERIOR JOINTS WITH "RAPID SEAL"® OR INTERIOR COATING WITH "RAVEN COATING"®

CAST IRON
FRAME AND COVER
SEE STD. DWGS. 209 & 411

STANDARD FRAME
WITH COVER

FINISH GRADE

EXTERIOR GROUTING
OF FRAME

RISER RINGS—MAX. 6"

18" MIN.
24" MAX.

PLACE STEPS
UPSTREAM
OVER MAIN
CHANNEL

ECCENTRIC CONE
SECTION

BOND ALL JOINTS WITH
MASTIC SEAL WITH KEY-
LOCK JOINTS

SECTION
1' TO 4'

48" DIA. SECTIONS
RUBBER GASKETS OR
KEY-LOCK SECTIONS
ONLY

BASE SECTION
2' TO 4'

MANHOLE BASE
SEE STD. DWG 203

City of Newberg

PUBLIC WORKS ENGINEERING DIVISION
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REVISIONS:
12/28/12
11/27/2013-CHIU

48"
STANDARD MANHOLE

SCALE:	N.T.S
DATE:	May 2007
APPROVED BY:	D. Danicic
STANDARD DRAWING	204