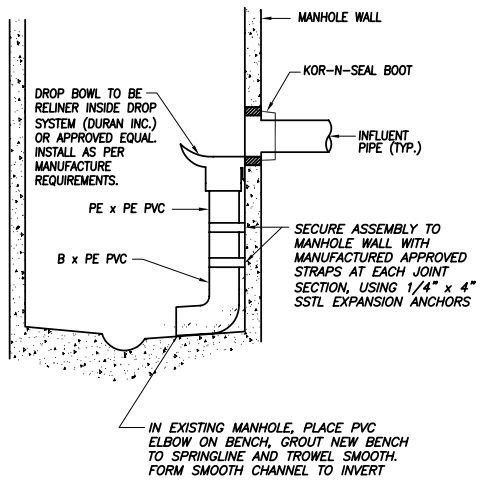
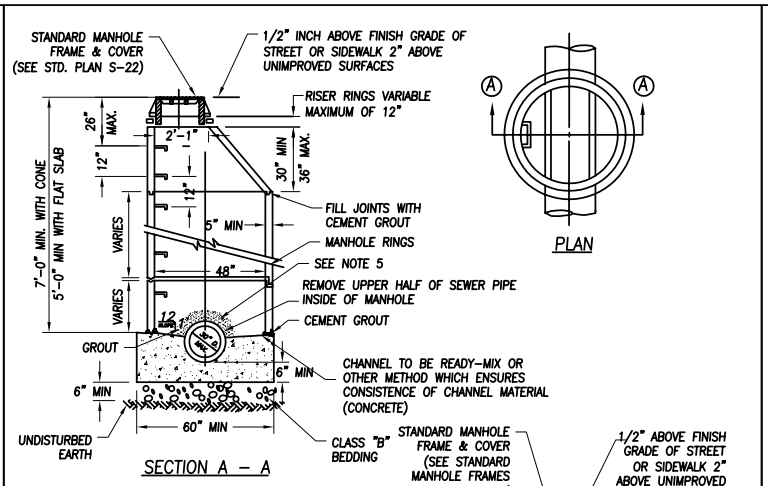


NOTE:

1. INSIDE DROP ASSEMBLY MAY BE USED FOR RESIDENTIAL CONNECTION ONLY, AND WHEN SPECIFICALLY APPROVED BY CITY ENGINEER. MAXIMUM ONE ASSEMBLY PER 48" MANHOLE.

INSIDE DROP CONNECTION
NTS

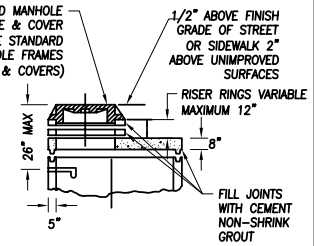


SECTION A – A

PLAN

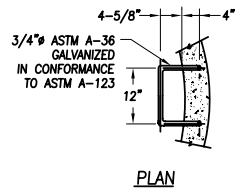
NOTES:

1. CONSTRUCTION SHALL CONFORM TO STANDARD PRECAST MANHOLE DETAIL, IF NOT OTHERWISE SHOWN.
2. ALL PRECAST SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-478. ALL POURED IN PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 P.S.I. AND 2" TO 4" SLUMP.
3. THE MANHOLE MAY BE POURED MONOLITHIC TO 8" ABOVE THE BARREL OF THE MAIN SEWER.
4. FLAT SLAB MANHOLE COVER NOT FOR USE IN TRAFFIC AREAS.
5. FOR GROUTED CONNECTIONS, THIS HOLE DIAMETER SHALL BE EQUAL TO THE OUTSIDE PIPE DIAMETER PLUS THE MANHOLE WALL THICKNESS.
6. MANHOLE FRAME & LID TO EXTEND 1/2" ABOVE PAVED SURFACE OR 2" ABOVE UNIMPROVED SURFACE IF ADJACENT (<2') WITHIN PAVED AREA. IF NO PAVED AREA (2' GREATER THAN GROUND).

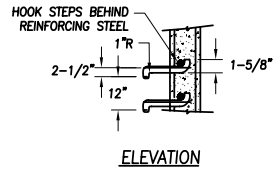


FLAT SLAB ALTERNATE

SAMPLING MANHOLE
NTS



PLAN



ELEVATION

NOTE:

1. LANE INTERNATIONAL CORP. POLYPROPYLENE MANHOLE SAFETY STEP P-13850 IS ALSO APPROVED.

STEPS FOR PRECAST MANHOLE
(RETROFIT STEPS NOT ACCEPTABLE)

MANHOLE STEP DETAILS
NTS

By	APPR.	DATE	No.	REVISIONS
MBC		8/03		APPROVED (CD VERSION 1.1)
MBC		10/03		APPROVED (CD VERSION 1.2)

DESIGNED EB/LF
DRAWN BS
CHECKED JG
APPROVED MBC

SCALE
HOR. NTS
VERT. NTS
FIELD BOOK N/A

JOB NUMBER
DATE

CITY OF WASHOUGAL

STANDARD SANITARY DETAILS 3

DRAWING NUMBER

SHEET of