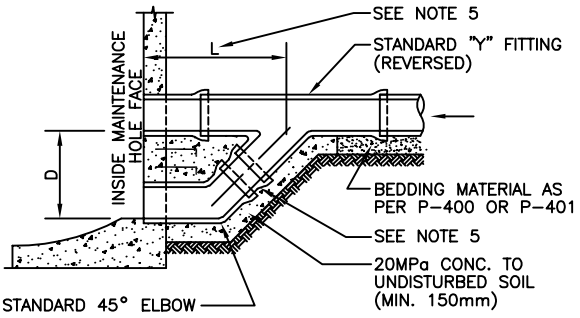
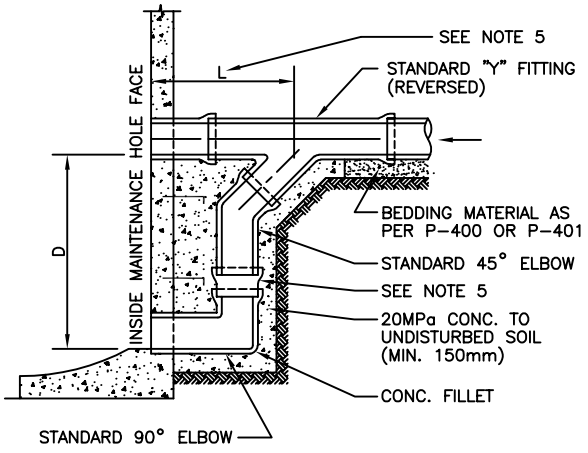



TYPE A

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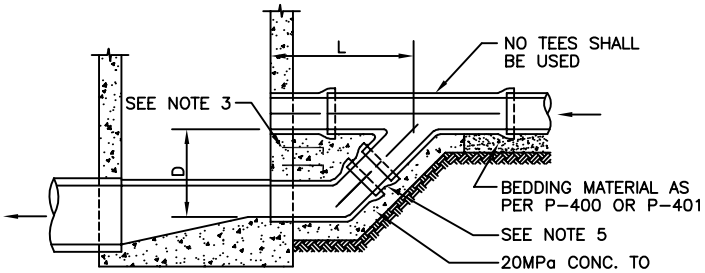
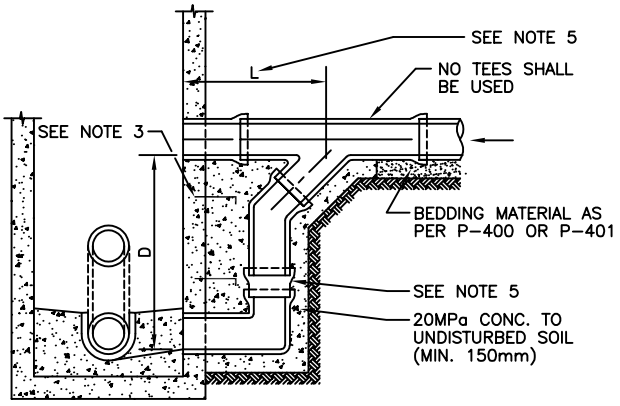
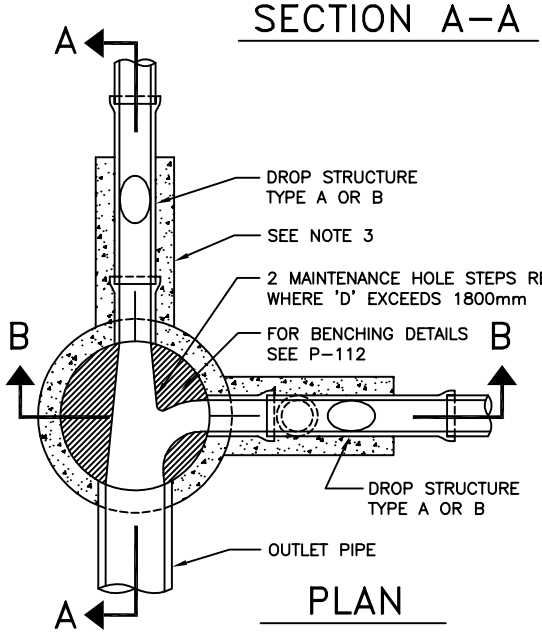



SECTION A–A




SECTION B–B




PLAN

| TABLE OF MINIMUM DIMENSIONS AND MAXIMUM VELOCITIES | | | | | |
|---|---|---|---|---|---|
| DROP PIPE DIAMETER | TYPE "A" | | TYPE "B" | | MAX. VELOCITY (m/s) |
| | "D" | "L" | "D" | "L" | |
| 200 | 600 | 750 | 1200 | 1050 | 1.42 |
| 250 | 636 | 801 | 1275 | 1050 | 1.55 |
| 300 | 699 | 900 | 1425 | 1125 | 1.70 |
| 375 | 900 | 1125 | 1875 | 1200 | 1.92 |
| 450 | 975 | 1200 | 2025 | 1275 | 2.16 |
| 525 | 1050 | 1275 | 2175 | 1425 | 2.36 |
| 600 | 1125 | 1350 | 2400 | 1500 | 2.53 |
| 675 | 1200 | 1425 | 2475 | 1575 | 2.69 |
| 750 | 1275 | 1500 | 2625 | 1650 | 2.83 |

NOTES :

1 FOR SEWER SIZES UP TO 450mm DIA. THE DROP PIPE SHALL BE THE SAME SIZE AS THE INLET PIPE. FOR SEWER SIZES GREATER THAN 450mm THE DROP PIPE SHALL BE ONE SIZE SMALLER THAN THE INLET PIPE.

2 OBVERT OF THE DROP PIPE SHALL BE LEVEL WITH THE OBVERT OF THE OUTLET PIPE AND BENCHED TO THE OBVERT OF THE OUTLET PIPE.

3 DROP STRUCTURE TO BE ENCASED IN A MINIMUM OF 150mm OF 20MPa CONCRETE. MAINTENANCE HOLE STEPS TO BE PROVIDED ON THE OUTSIDE FACE OF THE MAINTENANCE HOLE. DROP STRUCTURE TO BE STRAPPED TO THE STEPS WITH STAINLESS STEEL BANDS.

4 MAXIMUM VELOCITIES SHOWN IN THE TABLE INDICATE THE MAXIMUM FLOW VELOCITY IN INCOMING PIPE WITHOUT OVERSHOOTING.

5 ADJUSTMENT IN "D" AND "L" TO BE MADE THROUGH THIS SECTION OF PIPE.

6 ALL CONCRETE IN THE DROP STRUCTURE TO BE 20MPa AT 28 DAYS.

7 MINIMUM DIMENSIONS BASED ON USE OF THE STANDARD CONCRETE FITTINGS.

**All dimensions are in millimetres unless otherwise noted.**

City of Pickering — Engineering Services Department

| | | |
|---|---|---|
| DRAWN P. NEUMAN | DROP STRUCTURES FOR MAINTENANCE HOLES | REVISION NO. 2 |
| APPROVED R. W. HOLBORN | | DATE JULY 2003 |
| DATE JANUARY 1993 | | P–110 |