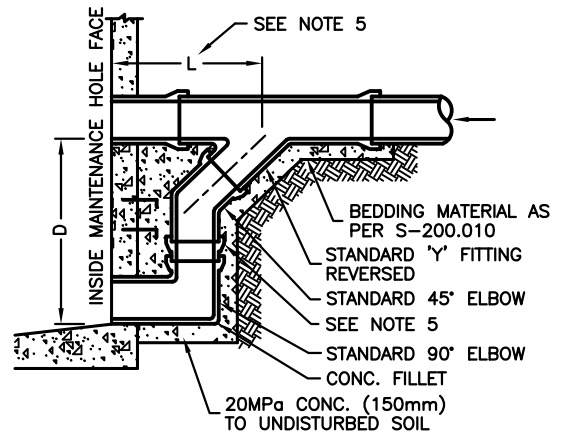
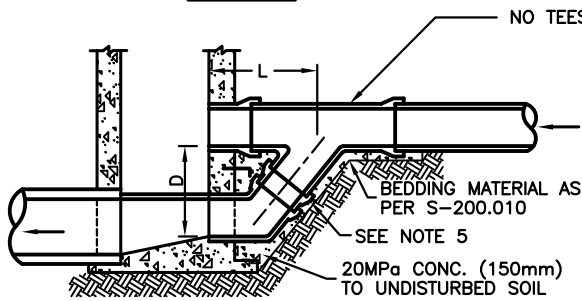


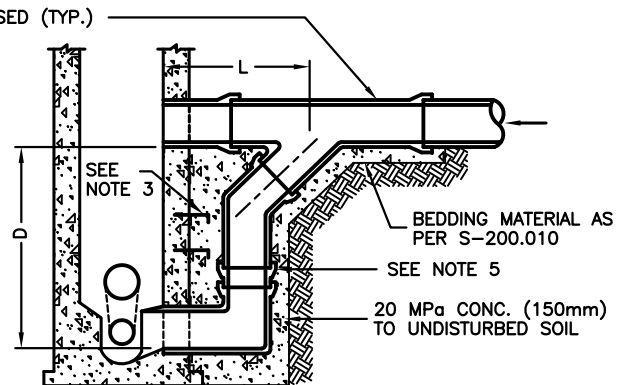
**TYPE A**



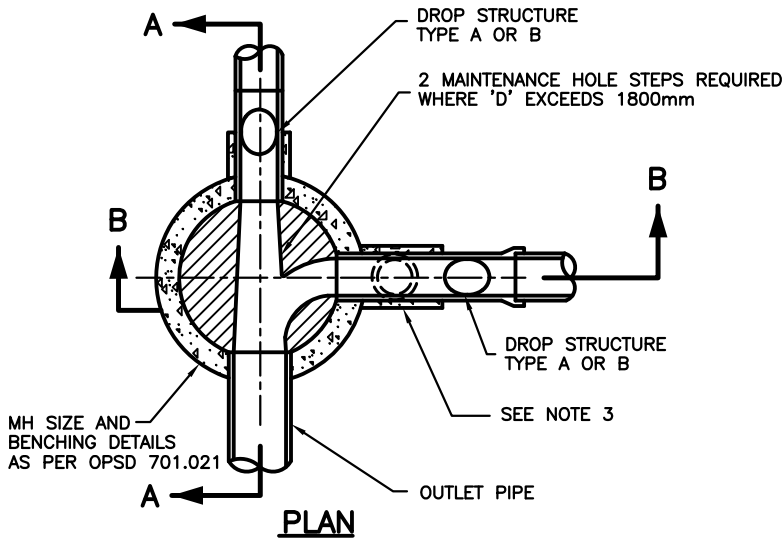
**TYPE B**



**SECTION A-A**



**SECTION B-B**



**PLAN**

**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 INLET PIPE.
2. OBVERT OF DROP PIPE SHALL BE LEVEL WITH OBVERT OF OUTLET PIPE AND BENCHED TO THE OBVERT OF THE OUTLET PIPE.
3. DROP STRUCTURE SHALL BE ENCASED IN A MINIMUM OF 150mm OF 20MPa CONCRETE. MAINTENANCE HOLE STEPS SHALL BE PROVIDED ON OUTSIDE FACE OF MH. DROP STRUCTURE SHALL BE STRAPPED TO STEPS WITH STAINLESS STEEL BANDS.
4. MAXIMUM VELOCITIES SHOWN IN TABLE INDICATED THE MAX. FLOW VELOCITY IN INCOMING PIPE WITHOUT OVERSHOOTING.
5. ADJUSTMENT IN 'D' AND 'L' SHALL BE MADE THROUGH THIS SECTION OF PIPE.
6. ALL CONCRETE IN DROP STRUCTURE SHALL BE 20MPa AT 28 DAYS.
7. MINIMUM DIMENSIONS BASED ON USE OF STANDARD CONCRETE FITTINGS.
8. WHEREVER PRACTICAL, A SAFETY PLATFORM SHALL BE LOCATED 0.5m BELOW THE DROP STRUCTURE INLET PIPE.
9. WHERE 'D' IS GREATER THAN 5.0m, THE DROP STRUCTURE SHALL BE INDIVIDUALLY DESIGNED AND DETAILED.

DROP. PIPE DIAMETER	TYPE 'A'		TYPE 'B'		MAX. VELOCITY M/S	GRADES NOT TO EXCEED
	'D'	'L'	'D'	'L'		
200	600	750	1200	1050	1.42	1.80%
250	636	801	1275	1050	1.55	1.60%
300	699	900	1425	1125	1.70	1.50%
375	900	1125	1875	1200	1.92	1.42%
450	975	1200	2025	1275	2.16	1.42%

GRADES BASED ON MANNING FORMULA AT 82% FLOW.

ALL DIMENSIONS IN MILLIMETRES EXCEPT WHERE NOTED.



WORKS DEPARTMENT

**DROP STRUCTURES FOR MAINTENANCE HOLES**

DWG. DATE: 1978 03

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**S-100.080**