

TYPICAL CAST IN-SITU CONCRETE MH WITH EXTERNAL DROP PIPE
(PVC-U DWV RRJ SEWER PIPE SHOWN)

DEFLECTION ANGLE AT MH (DEGREES)	MINIMUM INTERNAL FALL (mm)
0 TO 90	30
90 TO 120	80

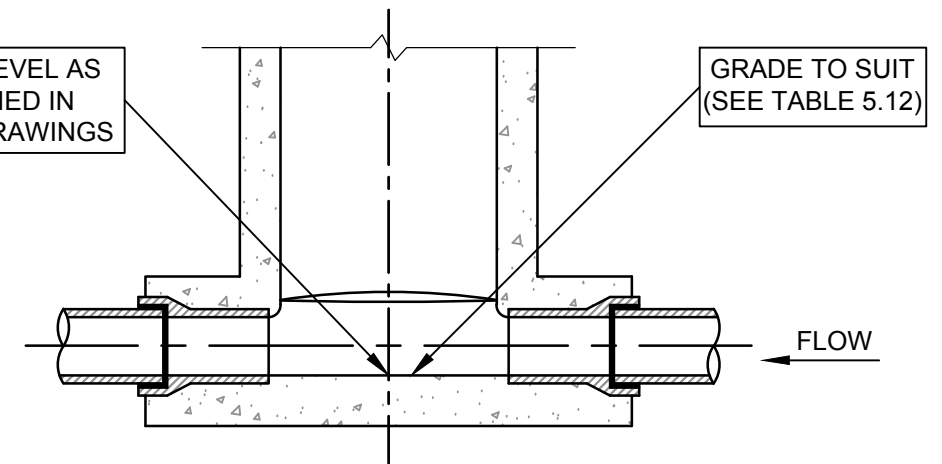
WSA TABLE 5.12
MINIMUM INTERNAL FALL THROUGH AN MH JOINING
RETICULATION SEWERS OF SAME DIAMETER

NOTE: LARGE FALLS AT MHS

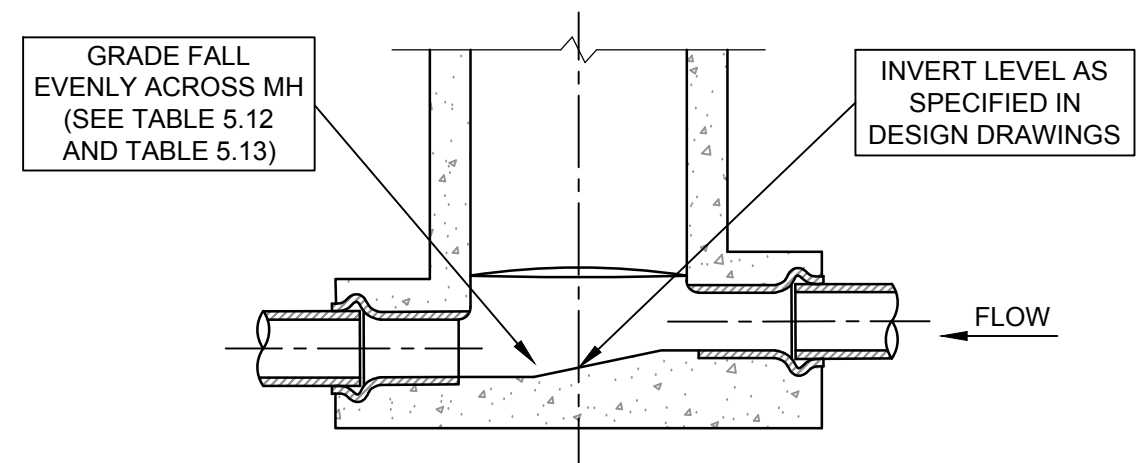
ON RETICULATION SEWERS WHERE THE INTERNAL FALL ACROSS THE BASE OF THE MH IS NOT ACHIEVABLE DUE TO A LARGE DIFFERENCE BETWEEN THE LEVELS OF INCOMING AND OUTGOING SEWERS, INTERNAL OR EXTERNAL DROPS SHALL BE PROVIDED WITHIN THE LIMITATIONS OF TABLE 5.13.

INLET SEWER DN	TYPE OF DROP	MAXIMUM NUMBER OF DROPS AT MH	MH PIPE DIAMETERS		LIMITATIONS
			INLET PIPE DN	DROP PIPE DN	
150-375	INTERNAL	1 IN 1050 DIAMETER MH 2 IN 1200 DIAMETER MH	150	150	DEPENDANT ON OTHER LINES COMING INTO MH - MAXIMUM 3 INLETS INTO MH
			225	150	
150-300	EXTERNAL	3 IN 1050 DIAMETER MH 3 IN 1200 DIAMETER MH	150	150	
			225	225	
			300	300	

WSA TABLE 5.13
LIMITATIONS ON LARGE FALLS AT MHS USING
INTERNAL AND EXTERNAL DROPS



STRAIGHT THROUGH SEWER
VC PIPES SHOWN



CHANGE IN DIRECTION THROUGH MAINTENANCE HOLE
PVC (RRJ) PIPES SHOWN

SEWER SIZE DN	"D" MIN VERTICAL	"T" MIN
150	490	600
225	750	900
300	880	1100

WSA TABLE 7.2
EXTERNAL MH DROP PIPE STRUCTURE

Armidale <i>Dept of Public Infrastructure</i> Regional Council	SCALES	APPROVED	M.WILSON	7/08/2017	SHEET 1 OF 2	
	NTS	PROGRAM LEADER INVESTIGATION AND DESIGN		DATE		
	SEWER MAINTENANCE HOLES EXTERNAL AND INTERNAL DROPS THROUGH MH		SURV	AS SHEET SIZE	DRAWING No	AMDT No
			DRWN ST	A3	010-028	A
		DES MW	CADFILE 010-028_1.dwg		DATE 7/08/2016	
		CHKD MW				