

NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETRE
UNLESS OTHERWISE STATED.

SCHEDULE OF CONCRETE THRUST BLOCK FOR PLAIN END TEE

NOMINAL DIA. OF BRANCH (mm)	NOMINAL DIA. OF BARREL (mm)	OUTER DIA. OF TEE (mm)	A				B				C				D				
150	200	232.2	450	600	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
200	200	232.2	450	1000	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
250	250	286	600	1400	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700
200	250	286	600	900	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
150	250	286	600	600	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
150	300	345.4	500	500	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
200	300	345.4	600	800	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
250	300	345.4	900	1200	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
300	300	345.4	1100	1700	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
150	350	399.3	450	600	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
200	350	399.3	500	600	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
250	350	399.3	900	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
300	350	399.3	1300	600	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
350	350	399.3	1600	600	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
150	400	453.1	500	450	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
200	400	453.1	600	700	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
250	400	453.1	700	1100	600	700	700	700	700	700	700	700	700	700	700	700	700	700	700
300	400	453.1	1200	1400	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
350	400	453.1	1400	1900	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
400	400	453.1	2100	2300	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
150	450	507	500	400	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
200	450	507	600	700	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
250	450	507	700	1000	600	700	700	700	700	700	700	700	700	700	700	700	700	700	700
300	450	507	1000	1400	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
400	450	507	1900	2200	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
450	450	507	2300	2700	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
150	500	560.3	550	400	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
200	500	560.3	700	600	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
250	500	560.3	900	900	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700
300	500	560.3	1100	1300	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
350	500	560.3	1600	1600	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
400	500	560.3	1700	2100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
450	500	560.3	2400	2500	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
500	500	560.3	2800	3000	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
150	600	667	650	400	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
200	600	667	650	600	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
250	600	667	700	900	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
300	600	667	900	1200	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
350	600	667	1200	1500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
400	600	667	1500	1900	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
450	600	667	1900	2300	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
500	600	667	2400	2700	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
600	600	667	3300	3600	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500

SCHEDULE OF CONCRETE THRUST BLOCK FOR HORIZONTAL BEND WITH WELDED JOINTS

NOMINAL DIA. OF PIPE (mm)	OUTER DIA. OF PIPE (mm)	UP TO 30°				GUSSETED BEND OVER 30° TO 60°				OVER 60° TO 90°			
		A	B	C	D	A	B	C	D	A	B	C	D
200	232.2	400	700	400	400	400	1100	600	500	400	1600	700	500
250	286.0	500	900	500	400	500	1400	700	600	500	1800	800	600
300	345.4	500	1100	600	500	500	1600	700	600	500	2200	1000	600
350	399.3	500	1500	600	500	500	2000	700	600	500	2800	1000	600
400	453.1	600	1600	700	500	600	2200	800	700	600	3100	1000	700
450	507.0	600	1700	700	600	600	2600	800	750	600	3400	1100	800
500	560.3	800	1800	700	650	800	2800	800	850	800	3700	1100	900
600	667.0	800	1900	800	800	800	3100	900	1000	900	4500	1100	1100

SCHEDULE OF CONCRETE THRUST BLOCK FOR VERTICAL BEND (ACTING UPWARD)

NOMINAL DIA. OF PIPE (mm)	OUTER DIA. OF PIPE (mm)	UP TO 12°				GUSSETED BEND UP TO 25°				UP TO 45°			
		A	B	C	D	A	B	C	D	A	B	C	
100	122	300	300	300	200	400	350	200	400	350	200	400	350
150	177	350	350	350	300	450	400	300	450	400	400	450	500
200	232.2	400	400	400	350	550	450	350	550	450	600	600	550
250	286.0	500	450	500	500	700	500	500	800	800	800	800	600
300	345.4	600	500	600	650	850	550	1000	1000	1000	1000	1000	650
350	399.3	700	500	700	800	1000	600	1200	1200	1200	1200	700	700
400	453.1	800	600	800	950	1150	650	1400	1400	1400	1400	800	800
450	507.0	900	700	900	1100	1300	700	1600	1600	1600	1600	900	900
500	560.3	1000	800	1000	1250	1450	800	1800	1800	1800	1800	1000	1000
600	667.0	1200	900	1100	1400	1600	900	2000	2000	2000	2000	1100	1100

SCHEDULE OF CONCRETE THRUST BLOCK FOR VERTICAL BEND (ACTING DOWNWARD)

NOMINAL DIA. OF PIPE (mm)	OUTER DIA. OF PIPE (mm)	UP TO 12°				GUSSETED BEND UP TO 25°				UP TO 45°		
		A	B	C	D	A	B	C	D	A	B	C
100	122	350	250	250	400	200	200	350	200	200	200	200
150	177	450	300	300	450	200	200	450	250	250	200	200
200	232.2	500	300	350	500	250	250	500	350	350	250	250
250	286.0	600	400	400	550	350	250	550	500	500	300	300
300	345.4	700	500	450	600	450	250	600	650	650	400	400
350	399.3	800	600	500	650	550	300	700	750	750	400	400
400	453.1	900	700	550	700	600	350	900	1000	1000	550	550
450	507.0	1000	800	600	800	650	350	1000	1100	1100	600	600
500	560.3	1100	900	650	1100	800	400	1100	1200	1200	650	650
600	667.0	1200	1100	700	1200	1100	450	1400	1350	1350	750	750



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DRAWING TITLE :

SCHEDULE OF THRUST BLOCK

DRAWING NO: