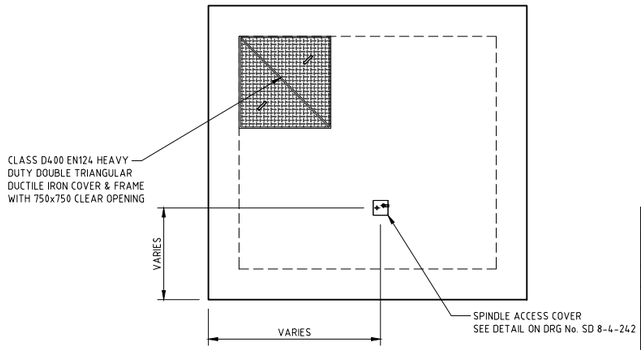
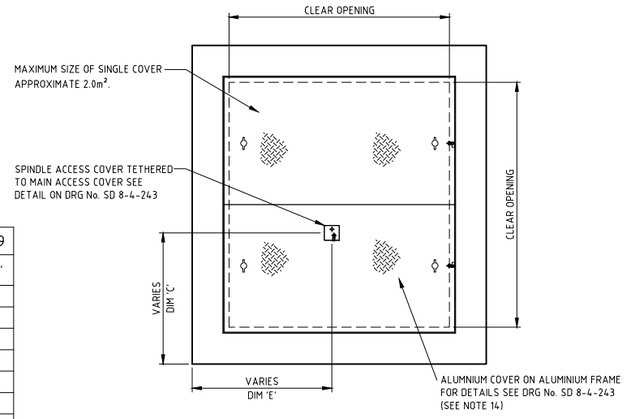
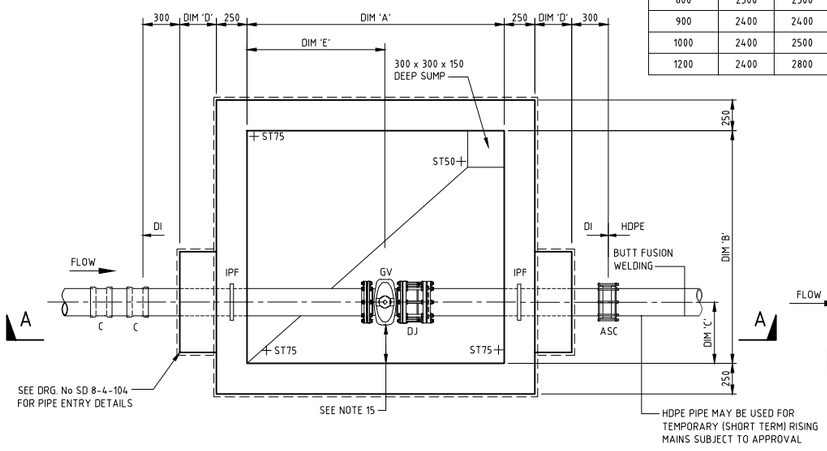


PLAN AT ROOF LEVEL

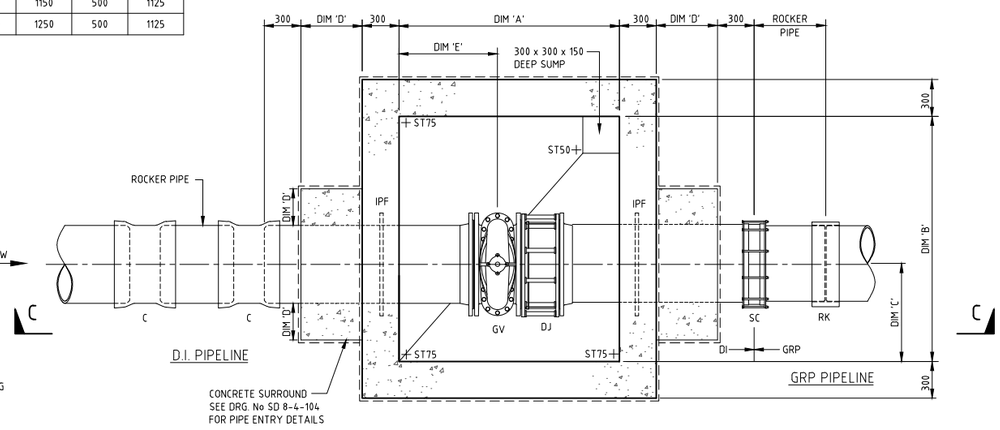
IN-LINE VALVE CHAMBER DIMENSIONS - SEE NOTE 19						
PIPE DIA	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
200	1950	1400	470	300	1125
250	2000	1500	500	300	1125
300	2000	1550	550	300	1125
400	2200	1650	600	300	1125
500	2200	1800	700	300	1125
600	2300	2100	950	500	1125
800	2300	2300	1050	500	1125
900	2400	2400	1100	500	1125
1000	2400	2500	1150	500	1125
1200	2400	2800	1250	500	1125



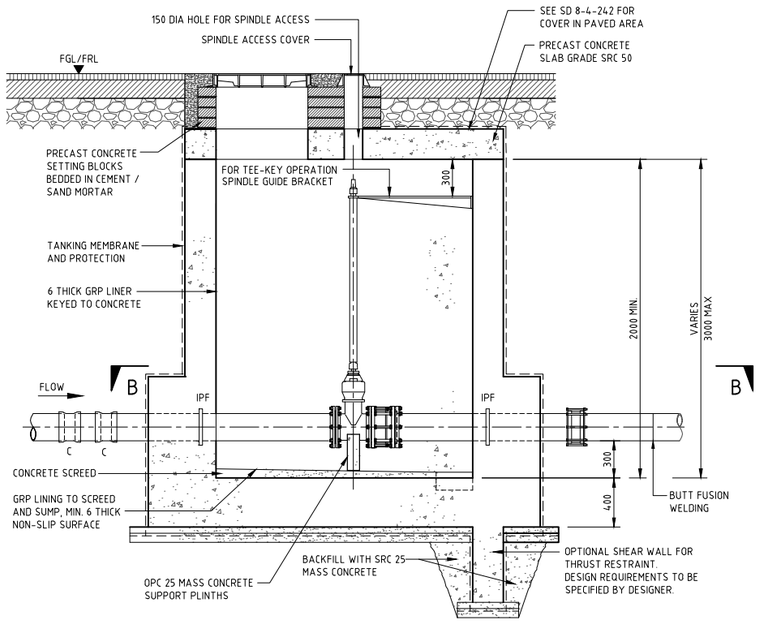
PLAN AT ROOF LEVEL



SECTION B-B

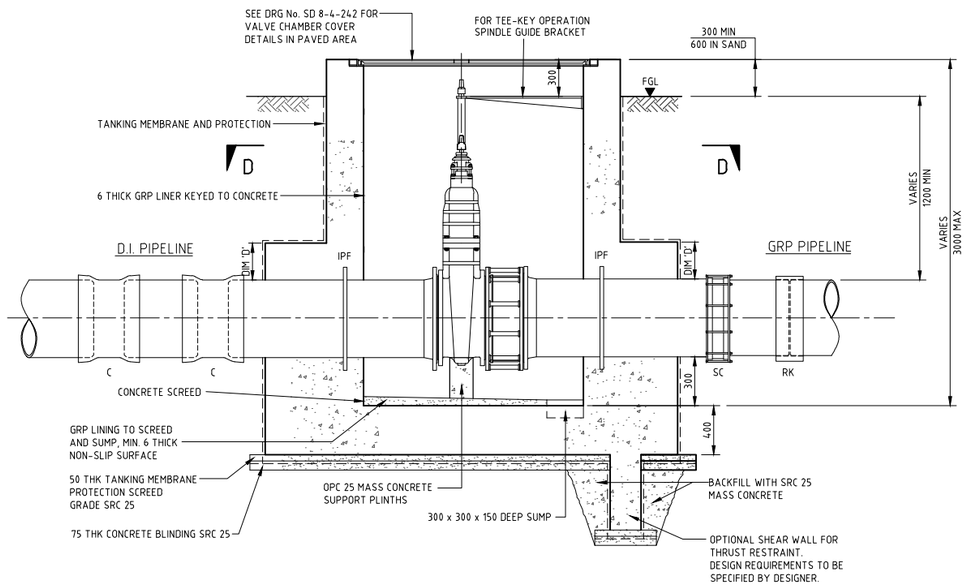


SECTION D-D



SECTION A-A

VALVE CHAMBER - ONE VALVE
MAIN LESS THAN 300mm DIA



SECTION C-C

VALVE CHAMBER - ONE VALVE
ON MAIN 300 mm DIA OR GREATER DIA (DI OR GRP)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT Q.C.S. UNLESS OTHERWISE AGREED WITH THE ENGINEER.
3. ALL JOINTS BETWEEN CONCRETE AND PIPES SHALL BE WATERTIGHT.
4. ALL EXTERNAL FACES TO BE TANKED IN ACCORDANCE WITH SPECIFICATION FOR TANKING DETAILS SEE DRG No. SD 8-4-103.
5. ALL INTERNAL SURFACES TO HAVE GRP LINERS.
6. ALL DUCTILE IRON PIPEWORK TO BE WRAPPED IN ACCORDANCE WITH THE SPECIFICATION.
7. ALL STRUCTURAL CONCRETE SHALL BE MINIMUM GRADE SRC 40 UNLESS OTHERWISE NOTED.
8. SEE DRG No SD 8-4-106 FOR STRUCTURAL NOTES.
9. 7mm NEOPRENE PAD SHALL BE PLACED BETWEEN ALL VALVES AND CONCRETE SUPPORT PLINTHS.
10. ALL VALVES AND FITTINGS WITHIN CHAMBERS SHALL BE DUCTILE IRON UNLESS OTHERWISE SPECIFIED. SUITABLE FLEXIBLE COUPLINGS SHALL BE USED TO CONNECT RISING MAIN TO THESE DUCTILE IRON PIPES.
11. VALVE SPINDLES TO BE EXTENDED TO 50 BELOW COVER LEVEL FOR TEE KEY OPERATION. SUPPORT BRACKET FOR SPINDLES TO BE PROVIDED WHEN NECESSARY.
12. THE CONTRACTOR SHALL PROVIDE THE PIPE SCHEDULE OF FITTINGS FOR THE STRUCTURE PRIOR TO PLACEMENT OF THE ORDER.
13. GATE VALVES SHALL BE RATED FOR 16 BAR.
14. CONCRETE COVER SLAB WITH HEAVY DUTY D.I. COVER TO BE USED WHEN CHAMBER IS SUBJECT TO VEHICLE TRAFFIC, SEE DRG NO. SD 8-4-242.
15. CHAMBER SCHEDULE BASED ON EQUAL MAIN DIAMETERS IN CHAMBER. ALL OTHER CHAMBER COMBINATIONS TO BE DESIGNED BASED ON INDIVIDUAL CASES.
16. PROVIDE A MINIMUM CLEARANCE OF 300 BETWEEN CHAMBER WALLS AND OUTER FACE OF FLANGE, OR VALVES FOR PIPES LESS THAN 500 DIA. AND 500 CLEARANCE FOR PIPE SIZES 500 DIA AND GREATER.
17. ALL BURIED FLEXIBLE COUPLINGS, FLANGED ADAPTORS AND OTHER FERROUS FITTINGS TO BE PROTECTED WITH MASTIC FILLER, MASTIC TAPE AND LAMINATED TAPE AS PER QCS.
18. ROCKER PIPE LENGTHS TO BE 600 OR 1.5 x DIAMETER WHICHEVER IS THE GREATER.
19. CHAMBER SCHEDULES ARE BASED ON DI FITTINGS FROM BS EN 545.

LEGEND:

ASC	ANCHORED STEPPED COUPLING
IPF	INTEGRAL PUDDLE FLANGE
GV	GATE VALVE
DI	DUCTILE IRON
ST	SCREED THICKNESS
DJ	DISMANTLING JOINT
FGL	FINISHED GROUND LEVEL
C	D.I. COLLAR
RK	GRP REKA COUPLING
SC	STEPPED COUPLING
SFA	STUB FLANGE ASSEMBLY (MAXIMUM 8 BAR WORKING PRESSURE)

Rev.	Date	Revision Details	Appd.
2	APR 19	ISSUED FOR USE	
1	01 MAR 19	REVALIDATED ISSUE	
0	23NOV15	ISSUED FOR USE	

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QCS Section:
Section 8 - Drainage Works
Part 4 - Pipeline Installation

Drawing Title:
SEWAGE RISING MAIN
VALVE CHAMBER

Approved:	Sheet No: 1 OF 1
Date: APRIL 2019	Scale: 1:25 ON A1
Drawing Number: SD 8-4-240	Revision: 2