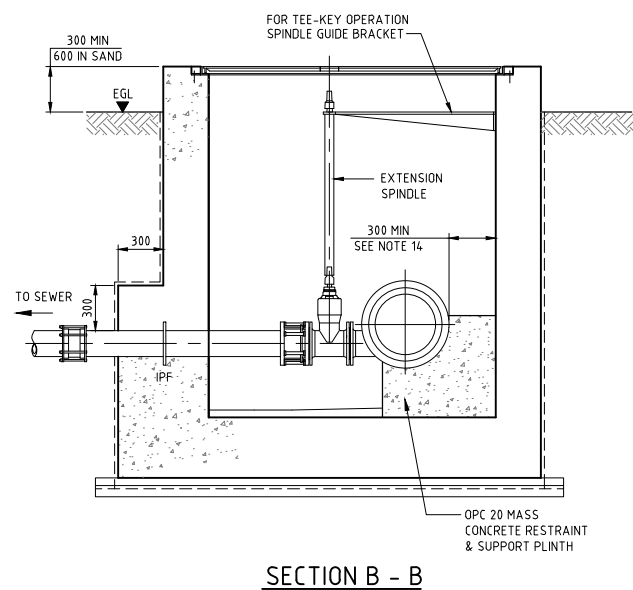
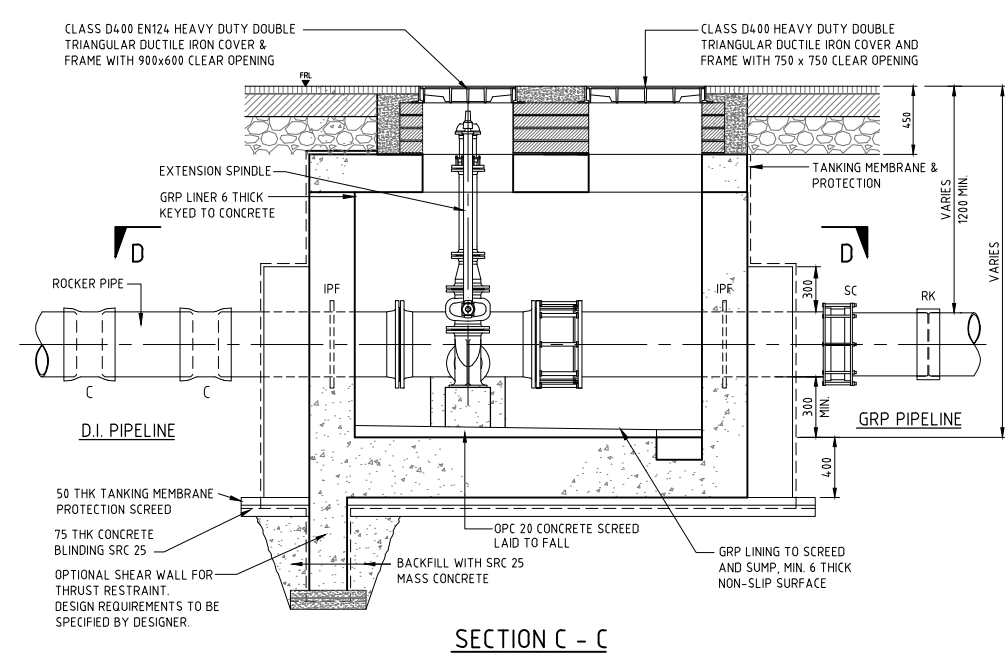
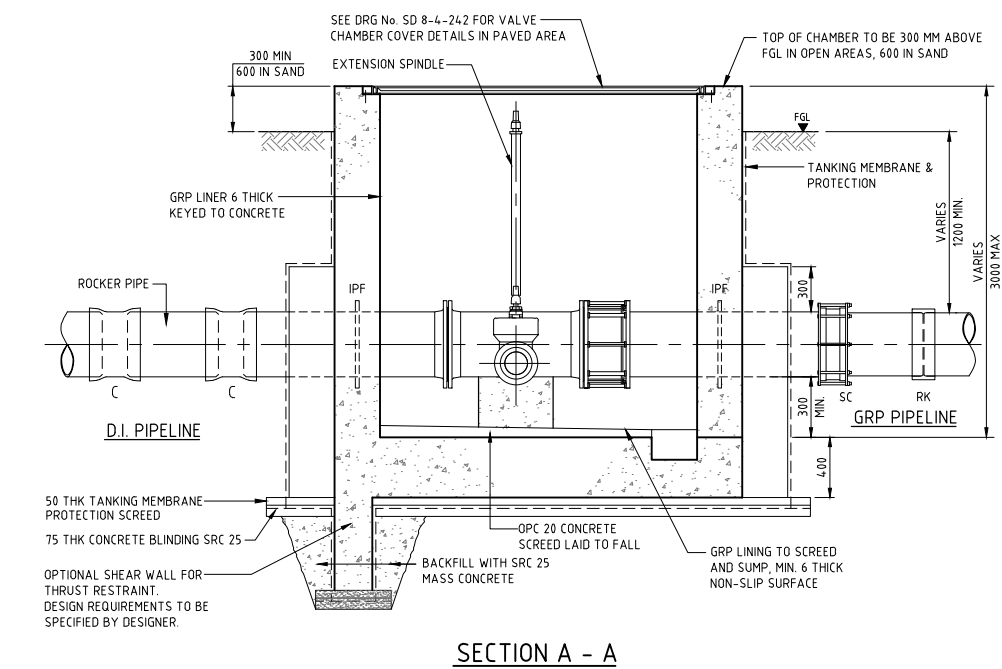
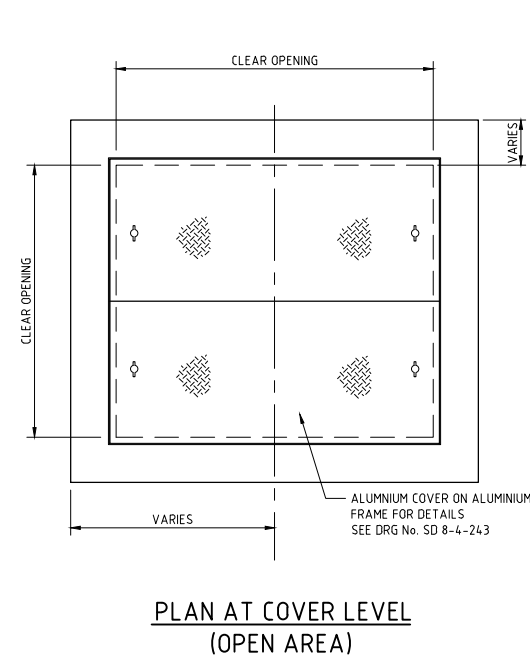
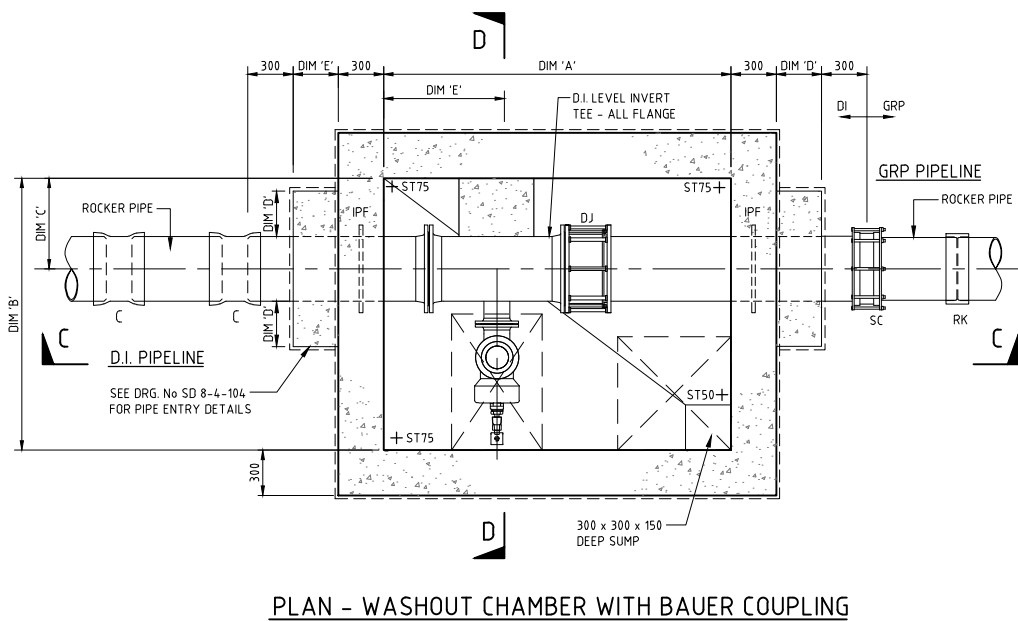
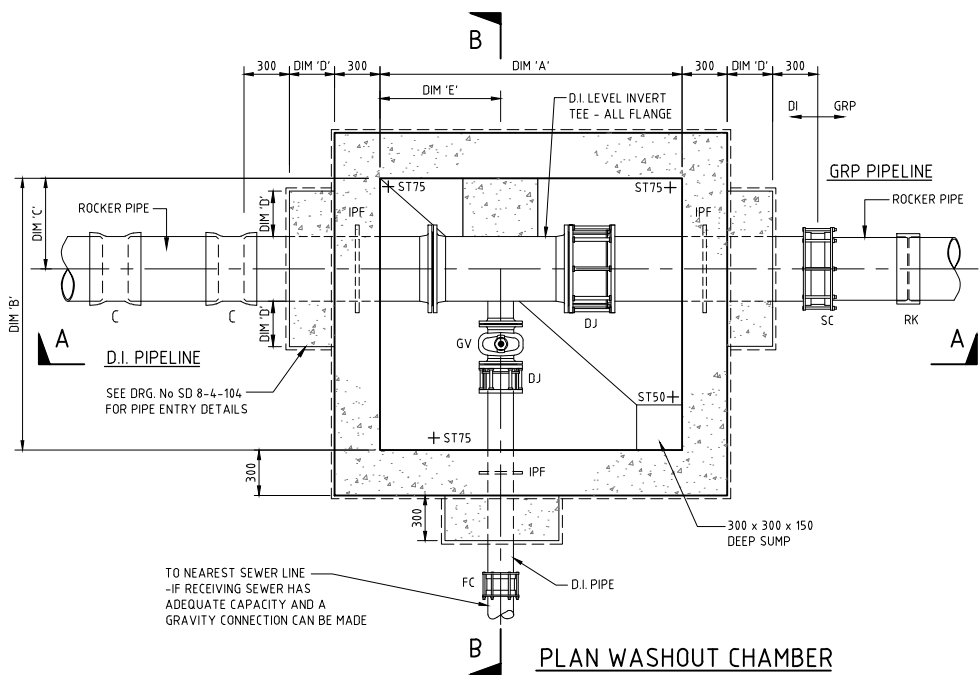
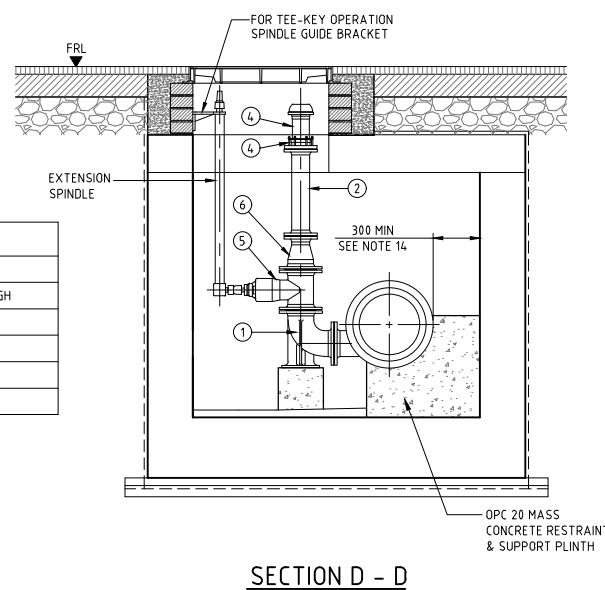




TYPICAL FITTING SCHEDULE	
1	DUCK FOOT BEND
2	DN100 FLANGE SPIGOT RISER PIPE CUT TO LENGTH
3	DN100 FLANGE ADAPTOR
4	DN100 BAUER COUPLING
5	GATE VALVE WITH EXTENSION SPINDLE
6	FLANGED TAPER (IF REQUIRED)



EXTERNAL DISCHARGE POINT						
PIPE DIA	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	WASHOUT DIA
200	1900	1500	470	300	560	100
250	2100	1550	500	300	650	100
300	2200	1650	528	300	700	150
400	2300	1800	540	300	750	150
500	2400	2000	658	300	800	200
600	2500	2300	920	300	850	200
800	2100	2500	1013	300	645	200
900	2100	2600	1063	300	665	200
1000	2200	2700	1128	300	685	200
1200	2200	2900	1243	300	725	200

VERTICAL VALVE						
PIPE DIA	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	WASHOUT DIA
200	1900	1900	470	300	560	100
250	2100	2100	500	300	650	100
300	2200	2400	550	300	700	150
400	2300	2500	600	300	750	150
500	2400	2900	700	300	800	200
600	2500	3200	950	500	850	200
800	2100	2900	1050	500	645	200
900	2100	3000	1100	500	665	200
1000	2200	3100	1150	500	685	200
1200	2200	3300	1250	500	725	200

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT Q.C.S. UNLESS OTHERWISE AGREED WITH THE ENGINEER.
- ALL JOINTS BETWEEN CONCRETE AND PIPES SHALL BE WATERTIGHT.
- ALL EXTERNAL FACES TO BE TANKED IN ACCORDANCE WITH SPECIFICATION FOR TANKING DETAILS SEE DRG No. SD 8-4-103.
- ALL INTERNAL SURFACES ARE TO BE COATED AS SPECIFIED IN QCS.
- ALL DUCTILE IRON PIPEWORK TO BE WRAPPED IN ACCORDANCE WITH THE SPECIFICATION.
- ALL STRUCTURAL CONCRETE SHALL BE MINIMUM GRADE SRC 40 UNLESS OTHERWISE NOTED.
- SEE DRG No SD 8-4-106 FOR STRUCTURAL NOTES.
- 7mm NEOPRENE PAD SHALL BE PLACED BETWEEN ALL VALVES AND CONCRETE SUPPORT PLINTHS.
- 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.
- VALVE SPINDLES TO BE EXTENDED TO 50 BELOW COVER LEVEL FOR TEE KEY OPERATION. SUPPORT BRACKET FOR SPINDLES TO BE PROVIDED WHEN NECESSARY.
- THE CONTRACTOR SHALL PROVIDE THE PIPE SCHEDULE OF FITTINGS FOR THE STRUCTURE PRIOR TO PLACEMENT OF THE ORDER.
- GATE VALVES SHALL BE RATED FOR 16 BARS.
- 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.
- CHAMBER SCHEDULE BASED ON EQUAL MAIN DIAMETERS IN CHAMBER. ALL OTHER CHAMBER COMBINATIONS TO BE DESIGNED BASED ON INDIVIDUAL CASES.
- PROVIDE A MINIMUM CLEARANCE OF 300 BETWEEN CHAMBER WALLS AND OUTER FACE OF FLANGE, OR VALVES FOR PIPES LESS THAN 600 DIA. AND 600 CLEARANCE FOR PIPE SIZES 600 DIA AND GREATER.
- ALL BURIED FLEXIBLE COUPLINGS, FLANGED ADAPTORS AND OTHER FERROUS FITTINGS TO BE PROTECTED WITH MASTIC FILLER, MASTIC TAPE AND LAMINATED TAPE AS PER QCS.
- ROCKER PIPE LENGTHS TO BE 600 OR 1.5 x DIAMETER WHICHEVER IS THE GREATER.
- CHAMBER SCHEDULES ARE BASED ON DI FITTINGS FROM BS EN 545:2010.

LEGEND:

FC	FLEXIBLE COUPLING
IPF	INTEGRAL PUDDLE FLANGE
GV	GATE VALVE
DI	DUCTILE IRON
ST	SCREED THICKNESS
C/W	COMPLETE WITH
GRP	GLASS REINFORCED PLASTIC
EGL	EXISTING GROUND LEVEL
FGL	FINISHED GROUND LEVEL
DJ	DISMANTLING JOINT
C	D.I. COLLAR
RK	GRP REKA COUPLING
SC	STEPPED COUPLING

2	APR 19	ISSUED FOR USE	
1	01 MAR 19	REVALIDATED ISSUE	
0	23 NOV 15	ISSUED FOR USE	
Rev.	Date	Revision Details	Appd.

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PA
PROJECTS AFFAIRS

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

Drawing Title:
**SEWAGE RISING MAIN
WASHOUT CHAMBER**

Approved:	Sheet No: 1 OF 1
Date: APRIL 2019	Scale: 1:25 ON A1
Drawing Number: SD 8-4-244	Revision: 2