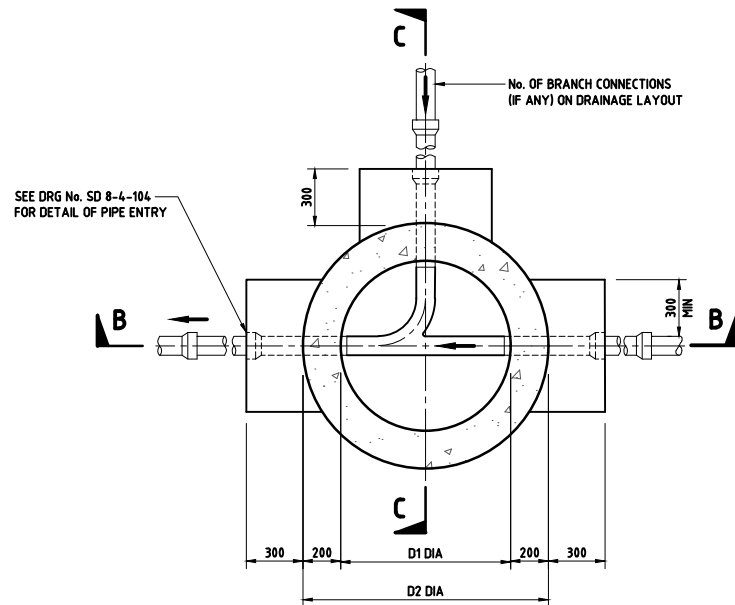
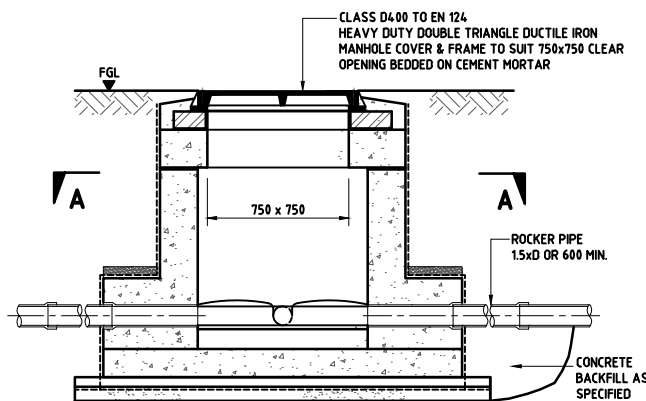
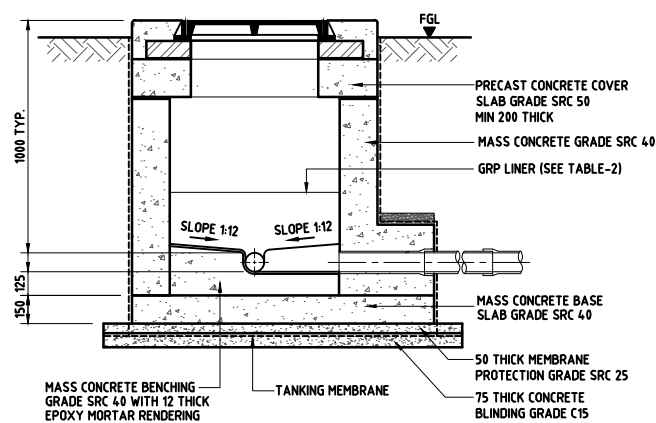




**SECTION A - A
INSPECTION CHAMBER**



**SECTION B-B
(SHOWING COVER FLUSH WITH FGL)**

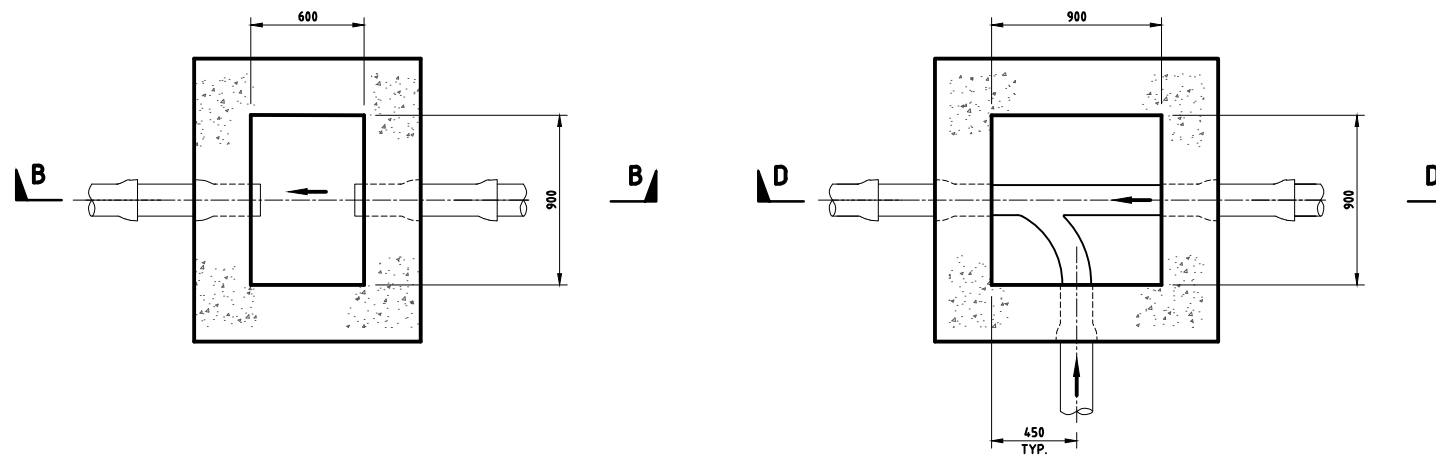


**SECTION C-C
(SHOWING RAISED COVER DETAIL)**

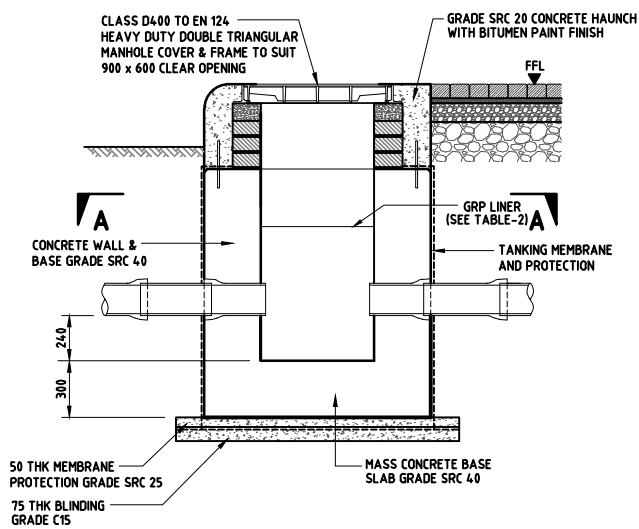
INSPECTION CHAMBER DIMENSIONS

TABLE-1

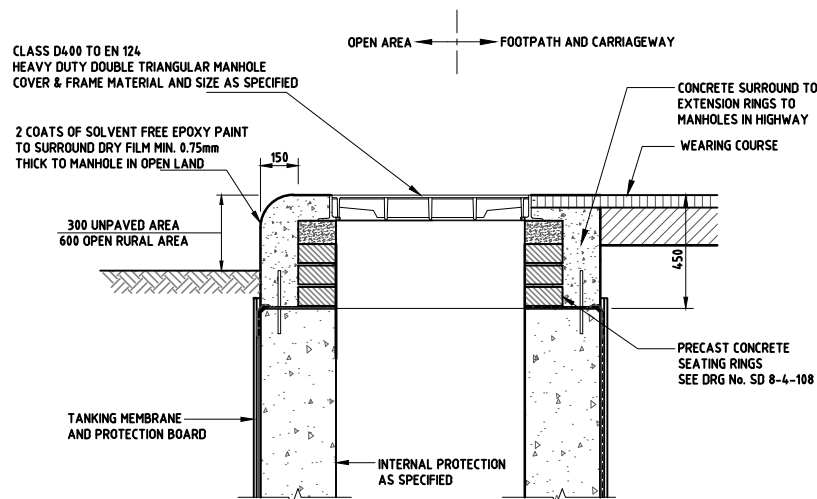
DIM D1	DIM D2	No. OF INLETS
900	1300	MORE THAN ONE
800	1200	ONE ONLY



SECTION A-A

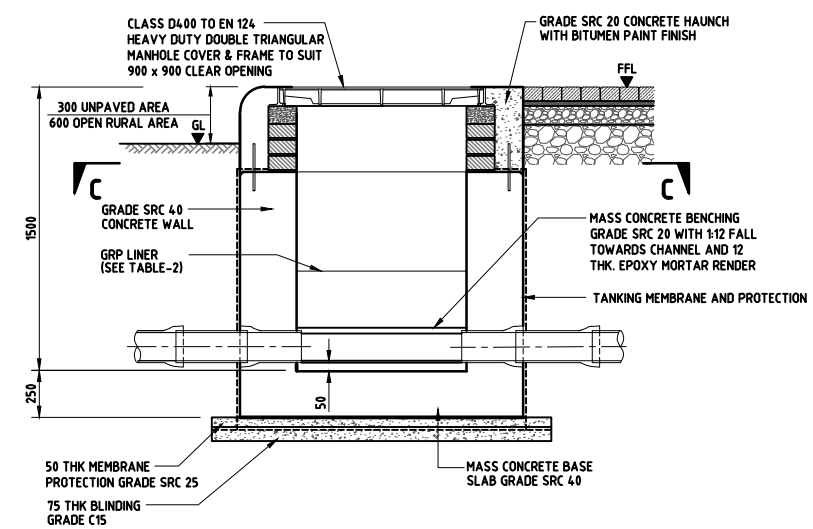


**SECTION B-B
CATCH PIT CHAMBER**



CONCRETE SURROUND TO CHAMBER ACCESS

SECTION C-C



**SECTION D-D
INSPECTION CHAMBER (SHALLOW MANHOLE)**

TABLE-2

INTERNAL LININGS	
CONCRETE MANHOLES	GRP LINER TO WALLS AND BENCHING TO 300mm ABOVE INLET PIPE CROWN LEVEL THEN 2 COATS OF SOLVENT FREE EPOXY PAINT TO ALL REMAINING INTERNAL SURFACES
POLYMER RESIN CONCRETE (PRC) MANHOLES. PRECAST MANHOLES ONLY	NO LINING TO WALLS AND COVER SLAB REQUIRED. IF PRC NOT USED FOR BENCHING, GRP LINING TO BENCHING TO BE USED AS PER QCS.

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.
- CONCRETE PROTECTION
 - A SINGLE LAYER OF TANKING IN ACCORDANCE WITH:
 - EN 13249 : 2000
 - EN 13252 : 2000
 - ALL INTERNAL SURFACES EXCEPT EPOXY MORTAR COVERED SURFACES ARE TO BE COATED AS SPECIFIED IN QCS.
- BUILDING THROUGH STRUCTURES

PIPE DIAMETER	1st FLEXIBLE JOINT	2nd FLEXIBLE JOINT
UP TO 300	150 MAXIMUM	500 MAXIMUM FROM FIRST JOINT
300 - 600	300 MAXIMUM	600 MINIMUM AND 2 x PIPE DIAMETER MAXIMUM FROM FIRST JOINT
OVER 600	600 MAXIMUM	750 MINIMUM AND 2 x PIPE DIAMETER MAXIMUM FROM FIRST JOINT

- PRECAST CONCRETE MANHOLE MAY BE USED. SEE SD 8-4-307 AND SD 8-4-220 FOR TYPICAL DETAILS. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL BY THE ENGINEER.

LEGEND:

- FRL FINISHED ROAD LEVEL
FFL FINISHED FOOTWAY LEVEL
GL GROUND LEVEL

4	APR 19	ISSUED FOR USE	
3	01 MAR 19	UPDATED ISSUE	
2	04APR16	ISSUED FOR USE	
1	01DEC15	ISSUED FOR USE	
0	15SEP13	ISSUED FOR USE	

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PA
PROJECTS AFFAIRS

QCS Section: Section 6 - Road Works
Part 17 - Road Drainage

Drawing Title: CATCH PIT & INSPECTION CHAMBER DETAILS

Approved:	Sheet No: 1 OF 1
Date: APRIL 2019	Scale: N.T.S.
Drawing Number: SD 6-17-107	Revision: 4