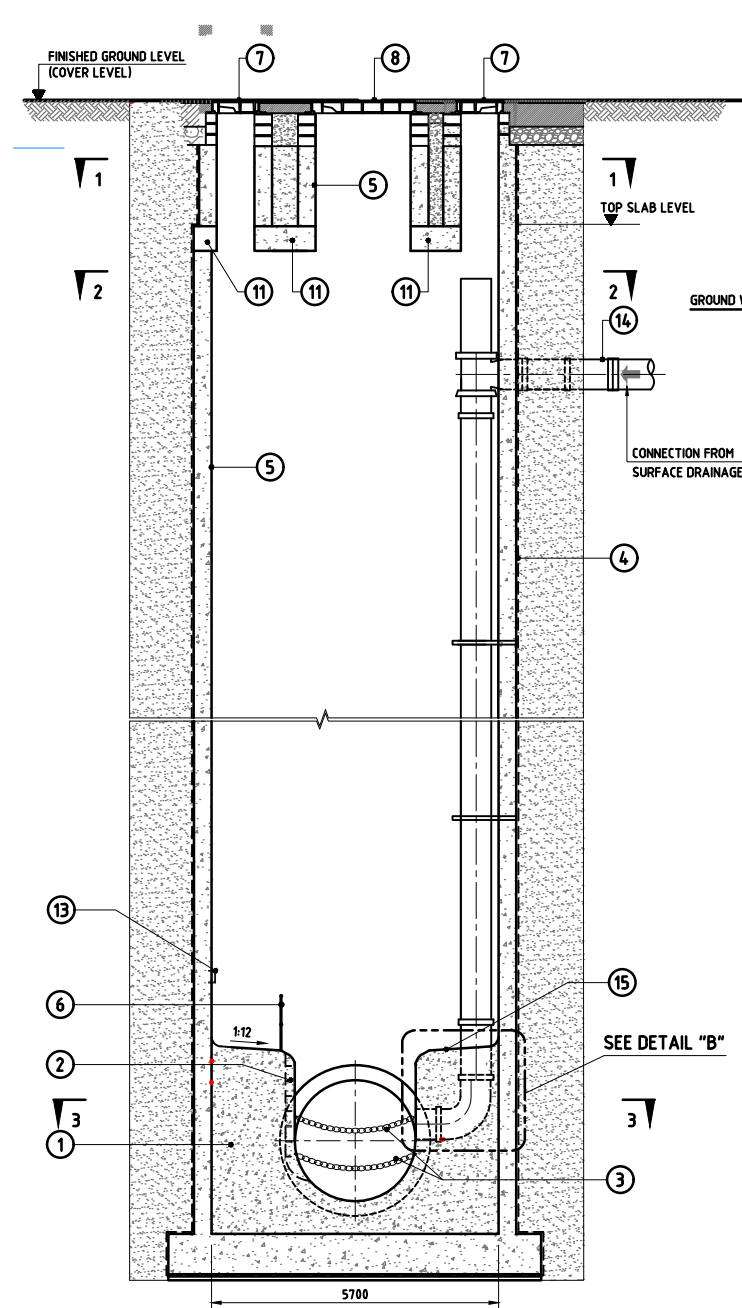
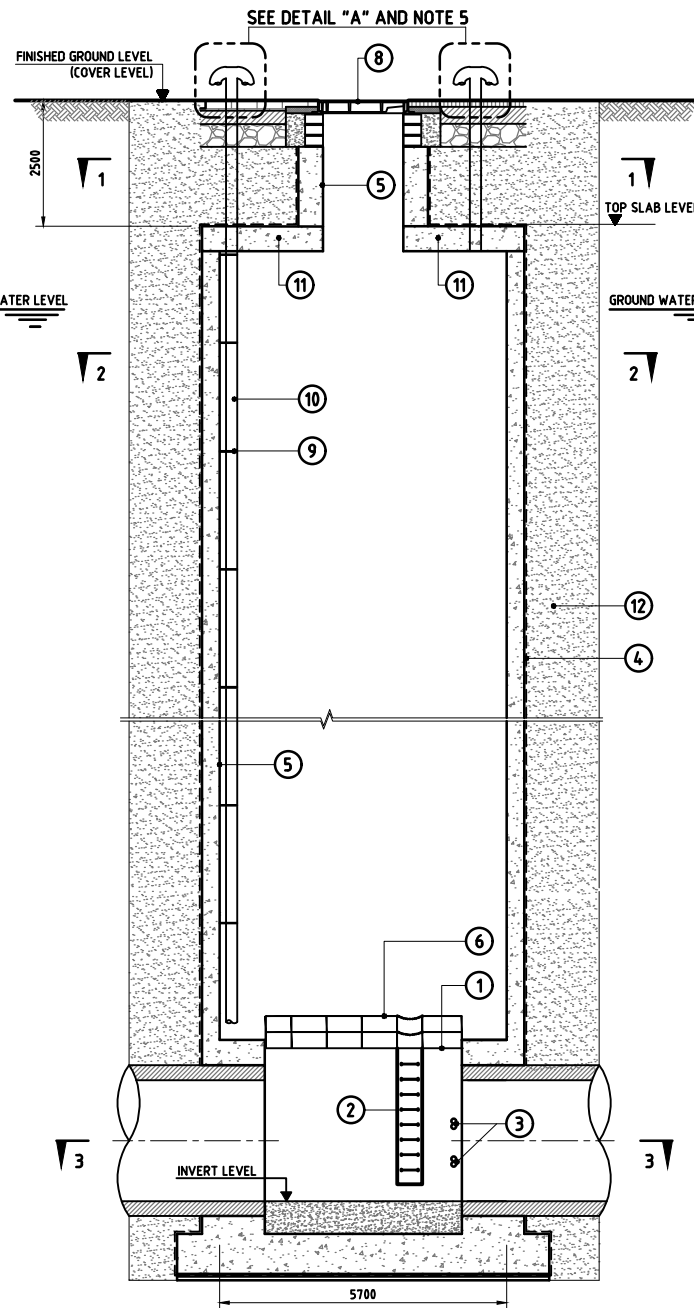
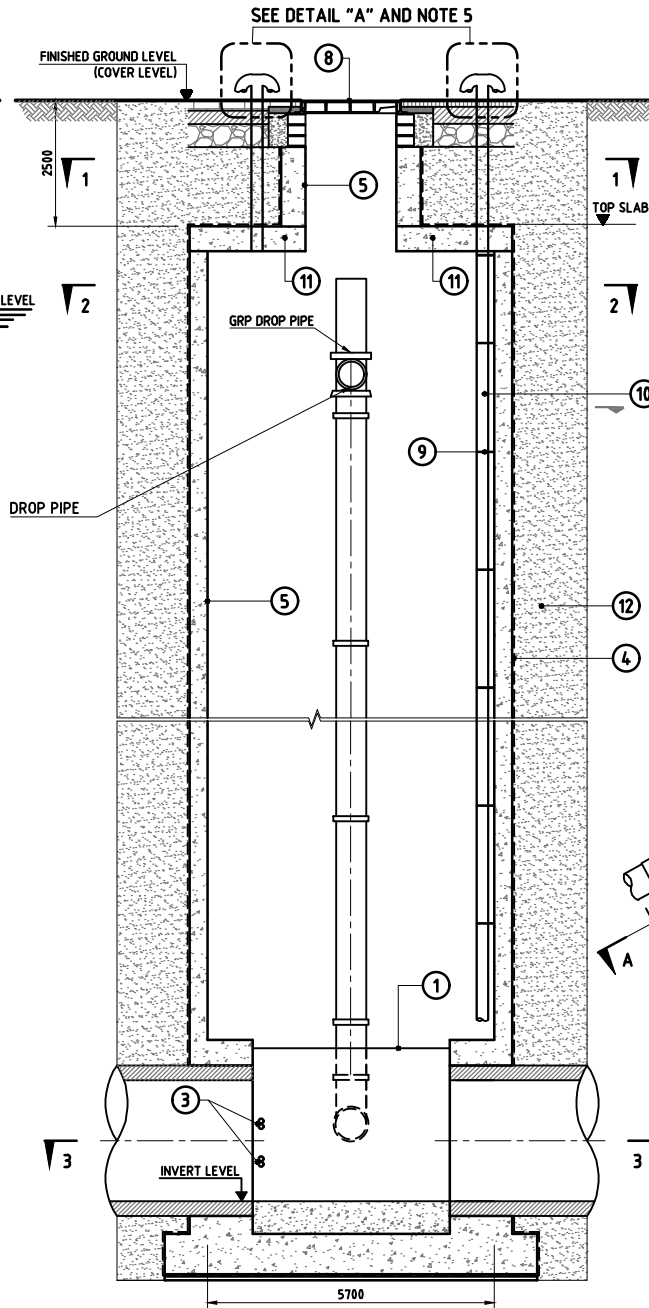




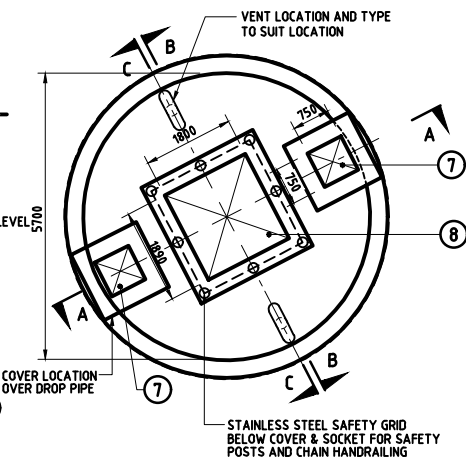
SECTION A-A



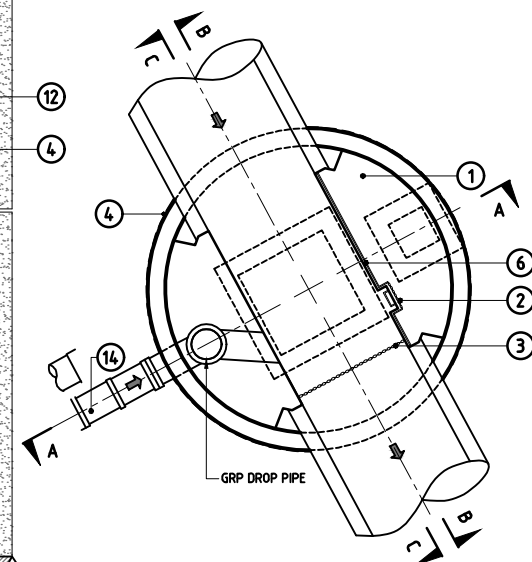
SECTION B-B



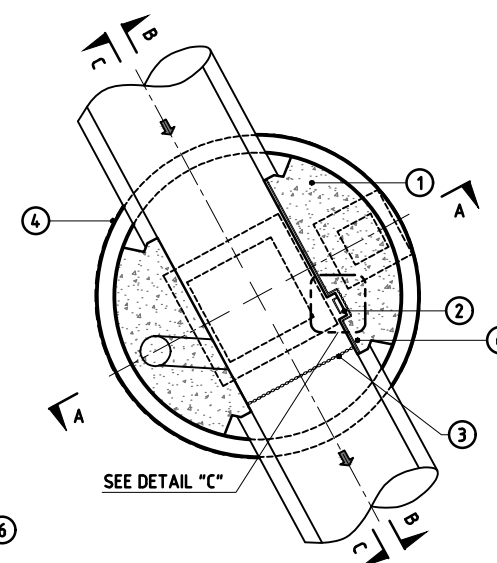
SECTION C-C



SECTION 1-1



SECTION 2-2

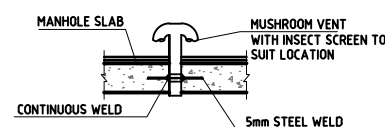


SECTION 3-3

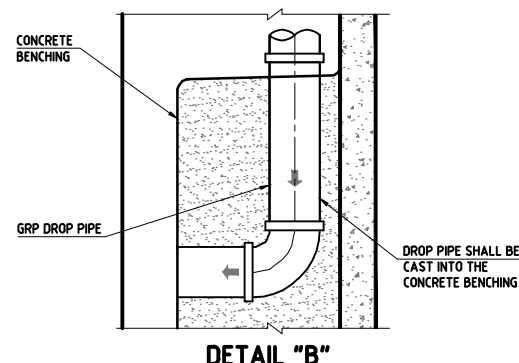
TABLE 1

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	NO LINING TO WALLS AND COVER SLAB REQUIRED. IF PRC NOT USED FOR BENCHING, GRP LINING TO BENCHING TO BE USED AS PER QCS.

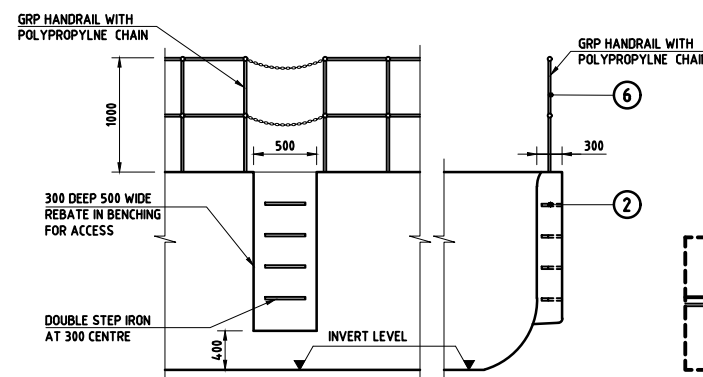
ITEM	DESCRIPTION
1	CONCRETE BENCHING
2	DOUBLE STEP IRONS
3	2 STAINLESS STEEL SAFETY CHAINS
4	WATERPROOFING MEMBRANE TO Q.C.S.
5	2 NOS. COATS OF SOLVENT FREE EPOXY PAINT
6	HANDRAIL
7	CLASS D400 HEAVY DUTY DUCTILE CAST IRON 750 x 750mm NOMINAL CLEAR OPENING RECESSED SINGLE COVER & FRAME DETAIL SHALL BE IN ACCORDANCE WITH SUPPLIER
8	CLASS D400 HEAVY DUTY DUCTILE CAST IRON 4 PART RECESSED MULTISPAN COVER & FRAME DETAIL SHALL BE IN ACCORDANCE WITH SUPPLIER
9	STAINLESS STEEL STRAP
10	HDPE Ø150 VENTILATION PIPE FASTENED WITH STAINLESS STEEL STRAPS
11	PRECAST CONCRETE SLAB (SEE NOTE 3) GRP PROTECTION
12	FILL MATERIALS LAID AND COMPACTED AS PER CONTRACT SPECIFICATION REQUIREMENTS
13	GRP HAND GRAB POLES ALONG THE BENCHING SIDES SPACING = 80CM, HEIGHT ABOVE BENCHING = 140CM
14	FLEXIBLE JOINT WITH ROCKER PIPE



DETAIL "A"

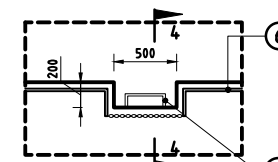


DETAIL "B"



SECTION 4-4

DETAIL "C"



PLAN

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. THE LEVEL OF BENCHING SHALL BE 250mm ABOVE THE PIPE BARREL.
3. THE SHAFT TOP SLAB SHALL BE PRECAST REINFORCED CONCRETE WITH GRP LINING AT THE UNDERSIDE ACCORDING TO Q.C.S.
4. DUAL VENTILATION (DEEP AND SHALLOW VENT PIPE) TO BE PROVIDED BY THE CONTRACTOR.
5. THE VENT PIPE SHALL BE ROUTED IN A WAY TO EMERGE NEXT TO A LIGHTING POLE OR OTHER STREET FIXTURE TO AVOID INTERFERING WITH PEDESTRIAN PATHS.
6. WATERPROOFING MEMBRANE SHALL BE PROVIDED TO THE EXTERNAL SHAFT SURFACES AS PER Q.C.S.
7. DOUBLE STEP IRON TYPE C PLASTIC ENCAPSULATED. ANY SHAPE TREAD WITH PATTERNED SURFACE AND WITHOUT UPSTAND TO BS EN 13101:2002.
8. WHERE MANHOLES ARE LOCATED IN A CARRIAGEWAY WITH A POSTED SPEED LIMIT OF 100KM/HR. OR GREATER, CLASS E600 COVERS ARE TO BE USED.

Rev.	Date	Revision Details	Appd.
2	OCT 19	ISSUED FOR USE	
1	APR 19	ISSUED FOR USE	
0	01 MAR 19	ISSUED FOR USE	

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PA
PROJECTS AFFAIRS
QCS Section:
Section 8 - Drainage Works
Part 4 - Pipe Installation

Drawing Title:
**ACCESS SHAFT AS-AG8
DETAILS**

Approved:	Sheet No: 1 OF 1
Date: OCT 2019	Scale: NOT TO SCALE
Drawing Number: SD 8-4-323	Revision: 2