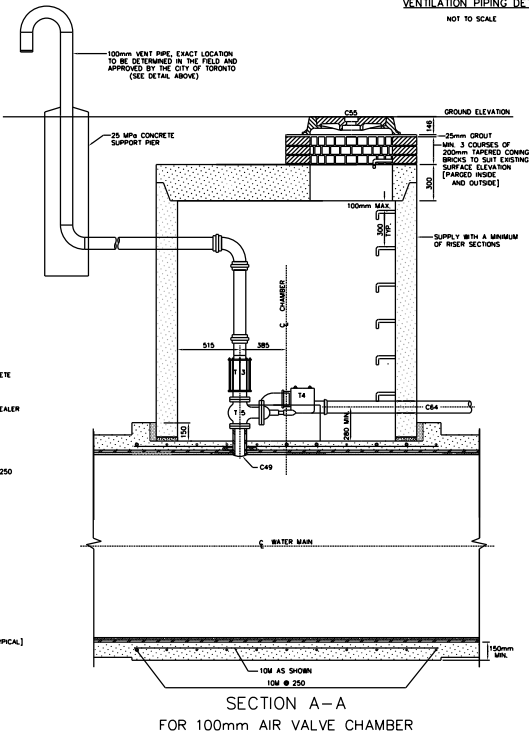
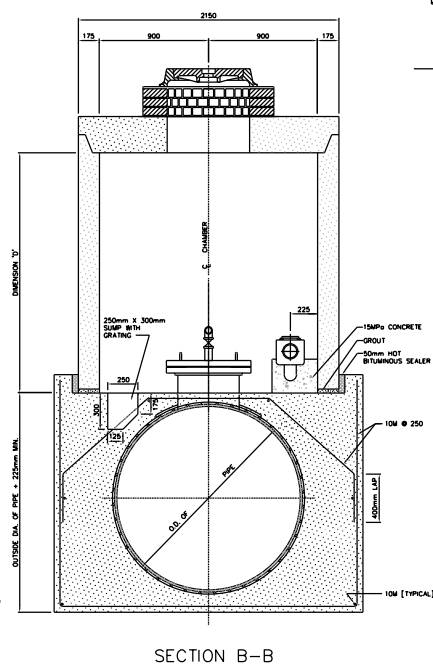
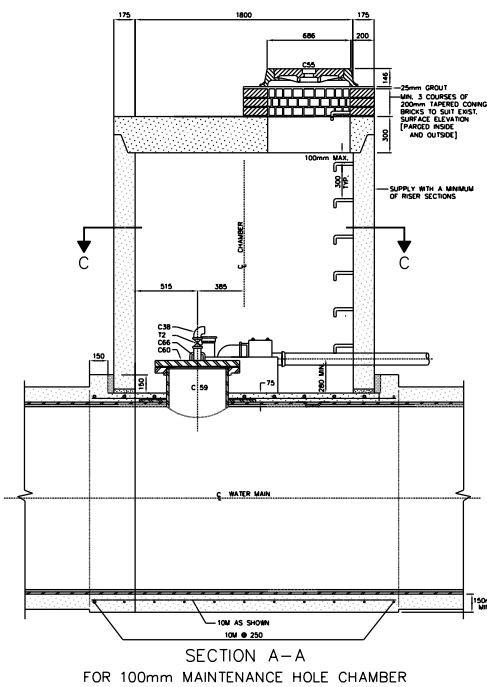


- NOTES**
- 1 PRECAST MAINTENANCE HOLE ASTM C478 (REINFORCED) RUBBER GASKET JOINTS.
 - 2 PROVIDE SUMP PIT WITH GRATING IN ALL CHAMBERS AND SLOPE CHAMBER FLOOR TO SUMP 10mm PER METRE.
 - 3 DRAIN CONNECTION TO SEWERS TO BE MADE BY THE CONTRACTOR, UNLESS OTHERWISE STATED IN THE GENERAL SPECIFICATIONS.
 - 4 FOR CHAMBERS UNDER 2 METRES IN DEPTH, STANDARD STEPS MAY REPLACE THE LADDER.
 - 5 STANDARD STEPS IN THE CHIMNEY TO BE OF THE REMOVABLE TYPE, AND NOT TO PROJECT MORE THAN 125mm BEYOND WALL.
 - 6 CHAMBERS DEEPER THAN 4 METRES FROM SURFACE TO FLOOR, ONE OR MORE SAFETY GRATING SHALL BE INSTALLED. FOR GRATING DETAIL SEE DWG. No.
 - 7 ALL ALUMINUM SURFACES CONTACTING CONCRETE TO RECEIVE ONE COAT OF BITUMINOUS PAINT.
 - 8 BACKFILLING TO BE BROUGHT UP EVENLY IN 300mm LAYERS AROUND CHAMBER.
 - 9 SET BOTTOM SECTION OF CHAMBER ON 13mm STEEL SHIMS LEVEL AS REQUIRED AND COMPLETELY FILL VOID WITH APPROVED NON-SHRINK GROUT.
 - 10 ALL JOINTS TO BE MORTARED ON OUTSIDE AND INSIDE.
 - 11 PRIOR TO PLACING PRE-CAST ROOF SLAB ON CHAMBER THE FABRICATED MAINTENANCE HOLE COVER (MHC) SHALL BE LOWERED INTO THE CHAMBER AND BE STORED AND PROTECTED UNTIL ITS INSTALLATION AFTER COMPLETION OF CEMENT MORTAR LINING.



MATERIAL LIST / PER CHAMBER

MAINTENANCE HOLE CHAMBER		100mm AIR VALVE CHAMBER	
MARK NO.	SUPPLIED BY CONTRACTOR	MARK NO.	SUPPLIED BY CONTRACTOR
C38	1-50mm SS304 Sch 40 STREET ELBOW	C48	1-100mm FABRICATED NOZZLE
C39	1-FABRICATED MANHOLE COVER	C61	18-M16 x 75mm 304SS BOLTS & NUTS
C60	1-FABRICATED MANHOLE COVER	C61	CNCH ANCHORS WITH M16 DIA. S.S. BOLT & NUT
C61	20-M30 x 125mm S.S. BOLTS & NUTS	C62	2-100mm GASKETS (FULL FACE, ONE PIECE)
C61	18-M16 x 75mm S.S. BOLTS & NUTS	C63	1-100mm RUNNING TRAP WITH CLEANOUT & COVER
C61	CNCH ANCHORS WITH M16 DIA. S.S. BOLT & NUT	C64	1-100mm SOL PIPING
C62	1-MANHOLE GASKET (FULL FACE, ONE PIECE)	C65	1-SUMP FRAME & GRATING (ALUMINUM)
C63	1-100mm TRAP WITH CLEANOUT & COVER	C68	STANDARD ALUMINUM STEPS OR LADDERS
C64	1-100mm SOL PIPING	C39	1-13mm MALE INLET SINK FACET, ROUGH BRASS WITH HOSE END, BRACED 8/10" OR EQUIVALENT
C65	1-SUMP FRAME & GRATING (ALUMINUM)	C55	1-CAST IRON SQUARE FRAME WITH CIRCULAR COVER AND PLUG FOR VALVE CHAMBERS AS PER 0950-402.010
C68	STANDARD ALUMINUM STEPS OR LADDERS		
C66	1-50mm x 100mm L.G. SS304 Sch 40 SUPPLY, UNBREADED, TAPERED ENDS		
C68	1-CAST IRON SQUARE FRAME WITH CIRCULAR COVER AND PLUG FOR VALVE CHAMBERS AS PER 0950-402.010		

MARK NO.	SUPPLIED BY CONTRACTOR	MARK NO.	SUPPLIED BY CONTRACTOR
T2	1-50mm Ball Valve, SS Body, Teflon Seat	T3	1-100mm VENT-O-MAT SERIES BRASS AIR RELEASE VALVE (FLANGED) OR EQUIVALENT
T4	1-100mm BACKWATER CHECK VALVE	T4	1-100mm BACKWATER CHECK VALVE
		T5	1-100mm GATE VALVE (FLANGED)

• SUPPLY ONLY IF REQUIRED

MAINTENANCE HOLE CHAMBER (M.H.) CHAMBER

CHAMBER No.	CHAMBER SURFACE ELEV.	WATERMAN & ELEV. IN METRES	DIFFERENCE IN ELEV. IN METRES	'0' DIM.	DRAIN TO BE INSTALLED	DIRECTION OF DRAIN OUTLET	COVER LOCATION	FOR LOCATION REFER TO PLAN No.

100 mm AIR VALVE CHAMBER

CHAMBER No.	CHAMBER SURFACE ELEV.	WATERMAN & ELEV. IN METRES	DIFFERENCE IN ELEV. IN METRES	'0' DIM.	DRAIN TO BE INSTALLED	DIRECTION OF DRAIN OUTLET	COVER LOCATION	FOR LOCATION REFER TO PLAN No.

						<p>Title Subtitle1 Subtitle2</p>				
	<p>GENERAL MANAGER, TORONTO WATER</p>					<p>DIRECTOR, Design and Construction Linear Underground Infrastructure</p>				
<p>CHIEF ENGINEER AND EXECUTIVE DIRECTOR, Engineering & Construction Services</p>					<p>MANAGER, Design and Construction Linear Underground Infrastructure</p>					
<p>DESIGN Design DRAWN Drawn CHECKED Checked CONTRACT No. X-X</p>					<p>SCALE SCALE DRAWING NUMBER T-1110.07-4 SHEET X OF X</p>					
No.	DATE	REVISIONS	INITIAL	SIGNED	DATE	DATE	DATE	DATE	DATE	