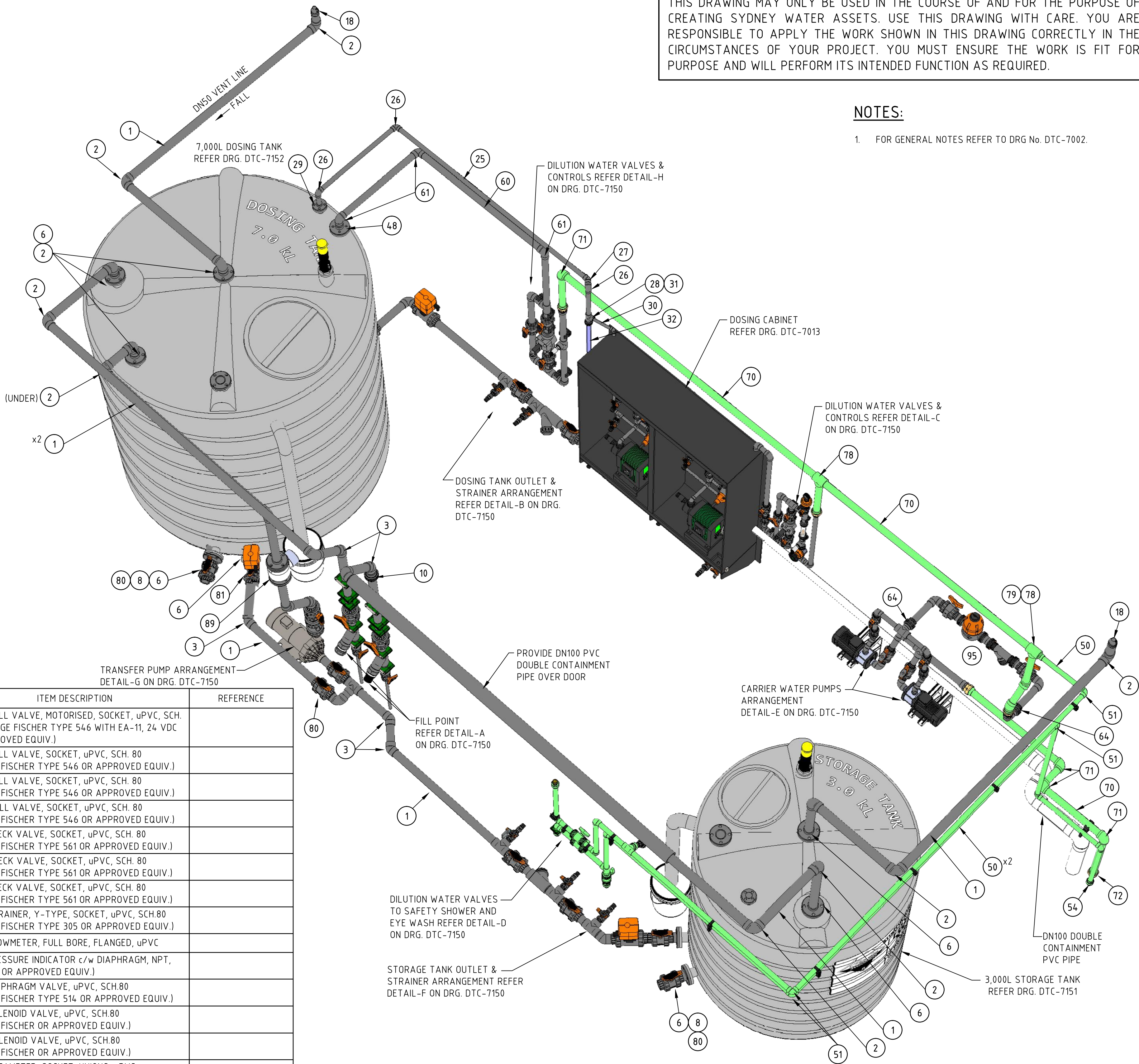


A 1

ITEM No.	QTY.	ITEM DESCRIPTION	REFERENCE	REMARKS
1	25m	DN50 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	CUT TO SUIT
2	18	DN50 90° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
3	7	DN50 45° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
4	2	DN50 45° WYE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
5	8	DN50 EQUAL TEE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
6	10	DN50 FLANGE ADAPTER uPVC, SCH. 80 c/w DN50 316 STAINLESS STEEL BACKING RING, ANSI 150	ASTM D1784, D2467	
7	2	DN50 ADAPTER SOCKET, S x M-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
8	12	DN50 BARREL NIPPLE, uPVC, SCH. 80	ASTM D1784, D2467	
9	1	DN50 CAMLOCK, TYPE A ADAPTER x FEMALE BSP, PP (DIXON OR APPROVED EQUIV.)	ASTM D1784, D2467	
10	1	DN50 UNION, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
11	1	DN50 PLUG, F-BSP, uPVC, SCH. 80	ASTM D1784, D2467	
12	2	DN50 OUTLET SOCKET COUPLING, uPVC SCH. 80	ASTM D1784, D2467	
13	3	DN50 x DN25 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
14	8	DN50 x DN20 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
15	1	DN50 SOCKET ADAPTER, S x F-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
16	1	DN40 SOCKET ADAPTER, S x F-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
17	1	DN50 x DN40 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
18	2	DN50 VENT CAP, uPVC, SCH. 80	ASTM D1784, D2467	REFER TANK DRG.
19	2	DN32 MALE ADAPTER, S x M-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
20	2	DN40 x DN32 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
25	4m	DN25 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	CUT TO SUIT
26	15	DN25 90° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
27	1	DN25 45° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
28	3	DN25 EQUAL TEE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
29	1	DN25 FLANGE ADAPTER uPVC, SCH. 80 c/w DN25 316 STAINLESS STEEL BACKING RING, ANSI 150	ASTM D1784, D2467	
30	3	DN25 UNION, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
31	4	DN25 x DN15 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
32	1.75m	DN25 CLEAR PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	
33	2	DN25 MALE ADAPTER, S x M-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
34	1	DN25 BARREL NIPPLE, uPVC, SCH. 80	ASTM D1784, D2467	
40	2m	DN20 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	CUT TO SUIT
45	7	DN20 ADAPTER SOCKET, S x F-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
46	14	DN20 BARREL NIPPLE, uPVC, SCH. 80	ASTM D1784, D2467	
47	7	DN20 MALE CAMLOCK TO M-BSP, TYPE F, POLY	ASTM D1784, D2467	
48	1	DN40 FLANGE ADAPTER uPVC, SCH. 80 c/w DN40 316 STAINLESS STEEL BACKING RING, ANSI 150	ASTM D1784, D2467	
49	1.5m	DN15 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D2467	CUT TO SUIT
50	8m	DN25 PIPE, PLAIN END, PP-R, SDR 7.4		CUT TO SUIT
51	11	DN25 90° ELBOW, S x S, PP-R, SDR 7.4		
52	3	DN25 BALL VALVE, S x UNION ENDS, PP-R, SDR 9		
53	2	DN25 EQUAL TEE, S x S x S, PP-R, SDR 7.4		
54	4	DN25 ADAPTER SOCKET, BRASS M-BSP, PP-R, SDR 7.4		
55	2	DN25 ADAPTER SOCKET, TO DW PMP, PP-R, SDR 7.4		
56	2	DN25 x DN15 RED. BUSH SHORT, SPIG x F-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
60	4m	DN40 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	CUT TO SUIT
61	6	DN40 90° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
62	2	DN40 EQUAL TEE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
63	2	DN40 x DN25 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
64	2	DN40 UNION, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
70	10m	DN50 PIPE, PLAIN END, PP-R, SDR 7.4		CUT TO SUIT
71	3	DN50 90° ELBOW, S x S, PP-R, SDR 7.4		
72	4	DN25 ADAPTER SOCKET, BRASS M-BSP, PP-R, SDR 7.4		
75	3m	DN40 PIPE, PLAIN END, PP-R, SDR 7.4		CUT TO SUIT
76	1	DN40 90° ELBOW, S x S, PP-R, SDR 7.4		
77	2	DN40 45° ELBOW, S x S, PP-R, SDR 7.4		
78	2	DN40 EQUAL TEE, S x S x S, PP-R, SDR 7.4		
79	1	DN40 x DN25 REDUCING BUSH SHORT, PP-R, SDR 7.4		
80	13	DN50 BALL VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 OR APPROVED EQUIV.)		

ITEM No.	QTY.	ITEM DESCRIPTION	REFERENCE
81	3	DN50 BALL VALVE, MOTORISED, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 WITH EA-11, 24 VDC OR APPROVED EQUIV.)	
82	7	DN20 BALL VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 OR APPROVED EQUIV.)	
83	7	DN25 BALL VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 OR APPROVED EQUIV.)	
84	4	DN40 BALL VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 OR APPROVED EQUIV.)	
85	1	DN50 CHECK VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 561 OR APPROVED EQUIV.)	
86	2	DN40 CHECK VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 561 OR APPROVED EQUIV.)	
87	3	DN25 CHECK VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 561 OR APPROVED EQUIV.)	
88	2	DN50 STRAINER, Y-TYPE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 305 OR APPROVED EQUIV.)	
89	1	DN50 FLOWMETER, FULL BORE, FLANGED, uPVC	
90	1	DN15 PRESSURE INDICATOR c/w DIAPHRAGM, NPT, (STUBBE OR APPROVED EQUIV.)	
91	1	DN25 DIAPHRAGM VALVE, uPVC, SCH. 80 (GEORGE FISCHER TYPE 514 OR APPROVED EQUIV.)	
92	1	DN25 SOLENOID VALVE, uPVC, SCH. 80 (GEORGE FISCHER OR APPROVED EQUIV.)	
93	1	DN40 SOLENOID VALVE, uPVC, SCH. 80 (GEORGE FISCHER OR APPROVED EQUIV.)	
94	1	DN25 ROTAMETER, SOCKET, UNIONS, uPVC, (GEORGE FISCHER TYPE OR APPROVED EQUIV.)	
95	1	DN40 RPZ (DOUBLE CHECK), BSP SCREWED, SPRING, (AGA/PENTAIR OR APPROVED EQUIV.)	
96	1	TRANSFER PUMP, IWAKI MX-F402	
97	2	CARRIER WATER PUMPS, GRUNDFOS CM5-4	



THIS DRAWING MAY ONLY BE USED IN THE COURSE OF AND FOR THE PURPOSE OF CREATING SYDNEY WATER ASSETS. USE THIS DRAWING WITH CARE. YOU ARE RESPONSIBLE TO APPLY THE WORK SHOWN IN THIS DRAWING CORRECTLY IN THE CIRCUMSTANCES OF YOUR PROJECT. YOU MUST ENSURE THE WORK IS FIT FOR PURPOSE AND WILL PERFORM ITS INTENDED FUNCTION AS REQUIRED.

NOTES:

1. FOR GENERAL NOTES REFER TO DRG No. DTC-7002.

OVERALL PIPING PERSPECTIVE

Sydney WATER	APPROVED <div style="text-align: center;"> KEN WIGGINS _____ MANAGER, E & ES </div>	MAR 2017	A ORIGINAL ISSUE	KW APP'D	17/03/17 DATE	DEEMED TO COMPLY DRAWINGS	<div style="text-align: center;"> DTC _____ 7149 </div>
	ENGINEERING & ENVIRONMENTAL SERVICES					3kL + 7kL RECHLORINATION PLANT SODIUM HYPOCHLORITE PIPEWORK DETAILS - SHEET 1 OF 2	
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