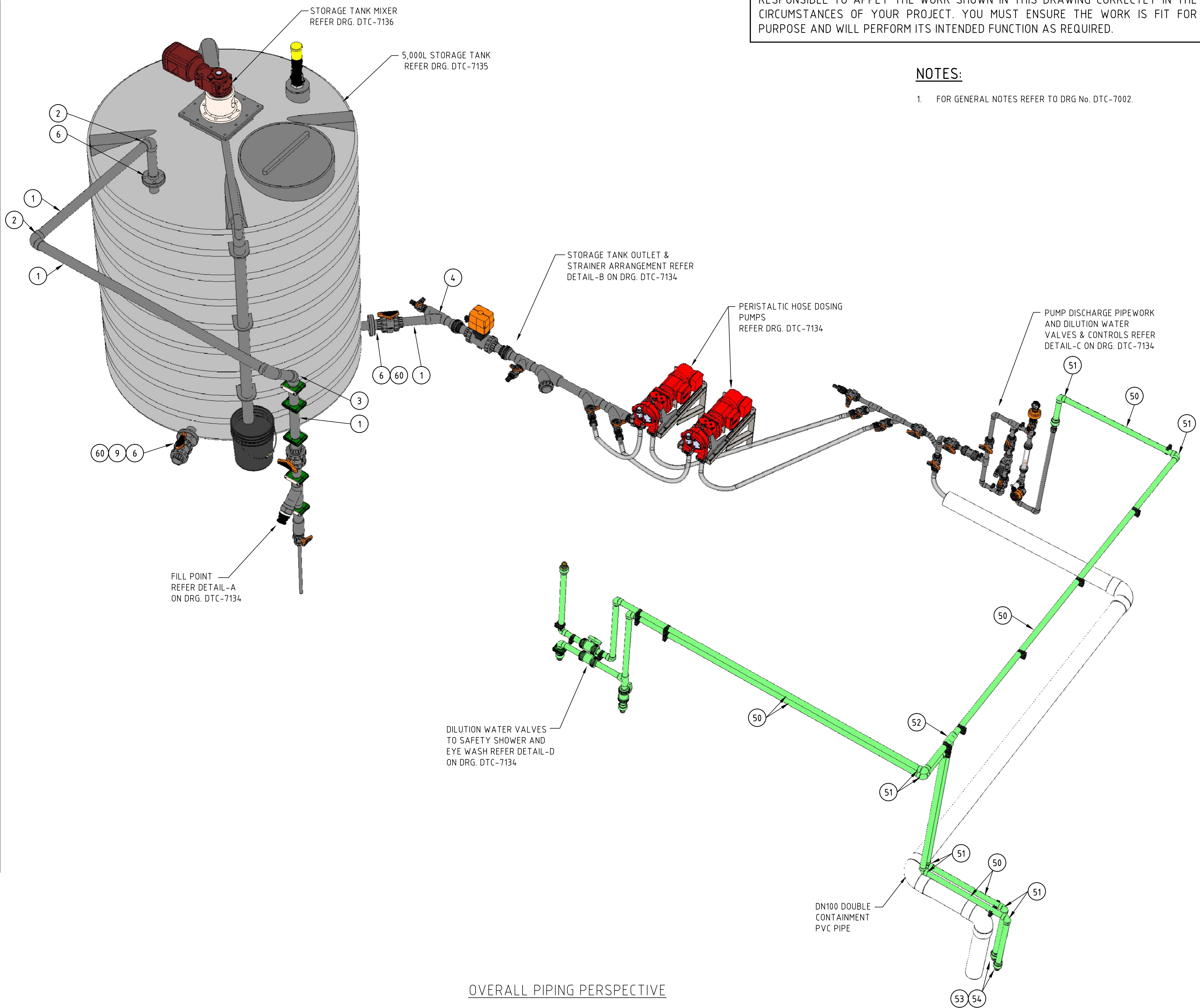


A1

ITEM No.	QTY.	ITEM DESCRIPTION	REFERENCE	REMARKS
1	5m	DN50 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	CUT TO SUIT
2	3	DN50 90° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
3	1	DN50 45° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
4	4	DN50 45° WYE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
5	1	DN50 EQUAL TEE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
6	2	DN50 FLANGE ADAPTER uPVC, SCH. 80 c/w DN50 316 STAINLESS STEEL BACKING RING, ANSI 150	ASTM D1784, D2467	
7	1	DN50 ADAPTER SOCKET, S x M-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
8	1	DN50 CAMLOCK, TYPE A ADAPTER x FEMALE BSP, PP (DIXON OR APPROVED EQUIV.)	ASTM D1784, D2467	
9	2	DN50 BARREL NIPPLE, uPVC, SCH. 80	ASTM D1784, D2467	
10	1	DN50 OUTLET SOCKET COUPLING, uPVC SCH. 80	ASTM D1784, D2467	
11	1	DN50 x DN25 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
12	5	DN50 x DN20 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
30	1	DN25 x DN15 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
31	1	DN25 BARREL NIPPLE, uPVC, SCH. 80	ASTM D1784, D2467	
35	1.5m	DN15 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	CUT TO SUIT
39	8m	Ø20 THICK WALL HOSE, NITRILE (BUNA-N)	ASTM NBR	CUT TO SUIT
4.0	2.5m	DN20 PIPE, PLAIN END, uPVC, SCH. 80	ASTM D1784, D1785	CUT TO SUIT
4.1	6	DN20 90° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
4.2	4	DN20 EQUAL TEE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
4.3	1	DN20 x DN15 REDUCING BUSH SHORT, uPVC, SCH. 80	ASTM D1784, D2467	
4.4	14	DN20 ADAPTER SOCKET, S x F-NPT, uPVC, SCH. 80	ASTM D1784, D2467	
4.5	14	DN20 BARREL NIPPLE, uPVC, SCH. 80	ASTM D1784, D2467	
4.6	9	DN20 MALE CAMLOCK TO M-BSP, TYPE F, POLY	ASTM D1784, D2467	
4.7	5	DN20 FEMALE CAMLOCK TO HOSETAIL, TYPE C, POLY	ASTM D1784, D2467	
4.8	1	DN20 45° ELBOW, S x S, uPVC, SCH. 80	ASTM D1784, D2467	
4.9	3	DN20 45° WYE, S x S x S, uPVC, SCH. 80	ASTM D1784, D2467	
50	17m	DN25 PIPE, PLAIN END, PP-R, SDR 7.4		CUT TO SUIT
51	14	DN25 90° ELBOW, S x S, PP-R, SDR 7.4		
52	2	DN25 EQUAL TEE, S x S x S, PP-R, SDR 7.4		
53	6	DN25 ADAPTER SOCKET, WELDED, PP-R, SDR 7.4		
54	6	DN25 ADAPTER SOCKET,BRASS M-BSP,PP-R,SDR 7.4		
55	3	DN25 BALL VALVE, S x UNION ENDS, PP-R, SDR 9		
60	3	DN50 BALL VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 OR APPROVED EQUIV.)		
61	1	DN50 BALL VALVE, MOTORISED, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 WITH EA-11, 24 VDC OR APPROVED EQUIV.)		
62	14	DN20 BALL VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 546 OR APPROVED EQUIV.)		
63	1	DN20 CHECK VALVE, SOCKET, uPVC, SCH. 80 (GEORGE FISCHER TYPE 561 OR APPROVED EQUIV.)		
64	1	DN50 STRAINER, Y-TYPE, SOCKET, uPVC, SCH.80 (GEORGE FISCHER TYPE 305 OR APPROVED EQUIV.)		
65	1	DN15 PRESSURE INDICATOR c/w DIAPHRAGM, NPT, (STUBBE OR APPROVED EQUIV.)		
66	1	DN20 DIAPHRAGM VALVE, uPVC, SCH.80 (GEORGE FISCHER TYPE 514 OR APPROVED EQUIV.)		
67	1	DN20 SOLENOID VALVE, uPVC, SCH.80 (GEORGE FISCHER OR APPROVED EQUIV.)		
68	1	DN20 FLOW SWITCH (IFM SI5000 OR APPROVED EQUIV.)		
69	1	DN20 ROTAMETER, SOCKET, UNIONS, uPVC, (GEORGE FISCHER TYPE OR APPROVED EQUIV.)		
70	2	PERISTALTIC HOSE DOSING PUMP, BREDEL APEX 10		



OVERALL PIPING PERSPECTIVE

Sydney  
**WATER**

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APPROVED MAR 2017

KEN WIGGINS  
MANAGER, E & ES

ENGINEERING & ENVIRONMENTAL SERVICES

A  
LETTER

ORIGINAL ISSUE  
DETAILS OF AMENDMENT

KW  
APP'D  
10/03/17  
DATE

DEEMED TO COMPLY DRAWINGS

5kL CHEMICAL DOSING UNIT  
MAGNESIUM HYDROXIDE  
PIPEWORK DETAILS - SHEET 1 OF 2

DTC  
7133