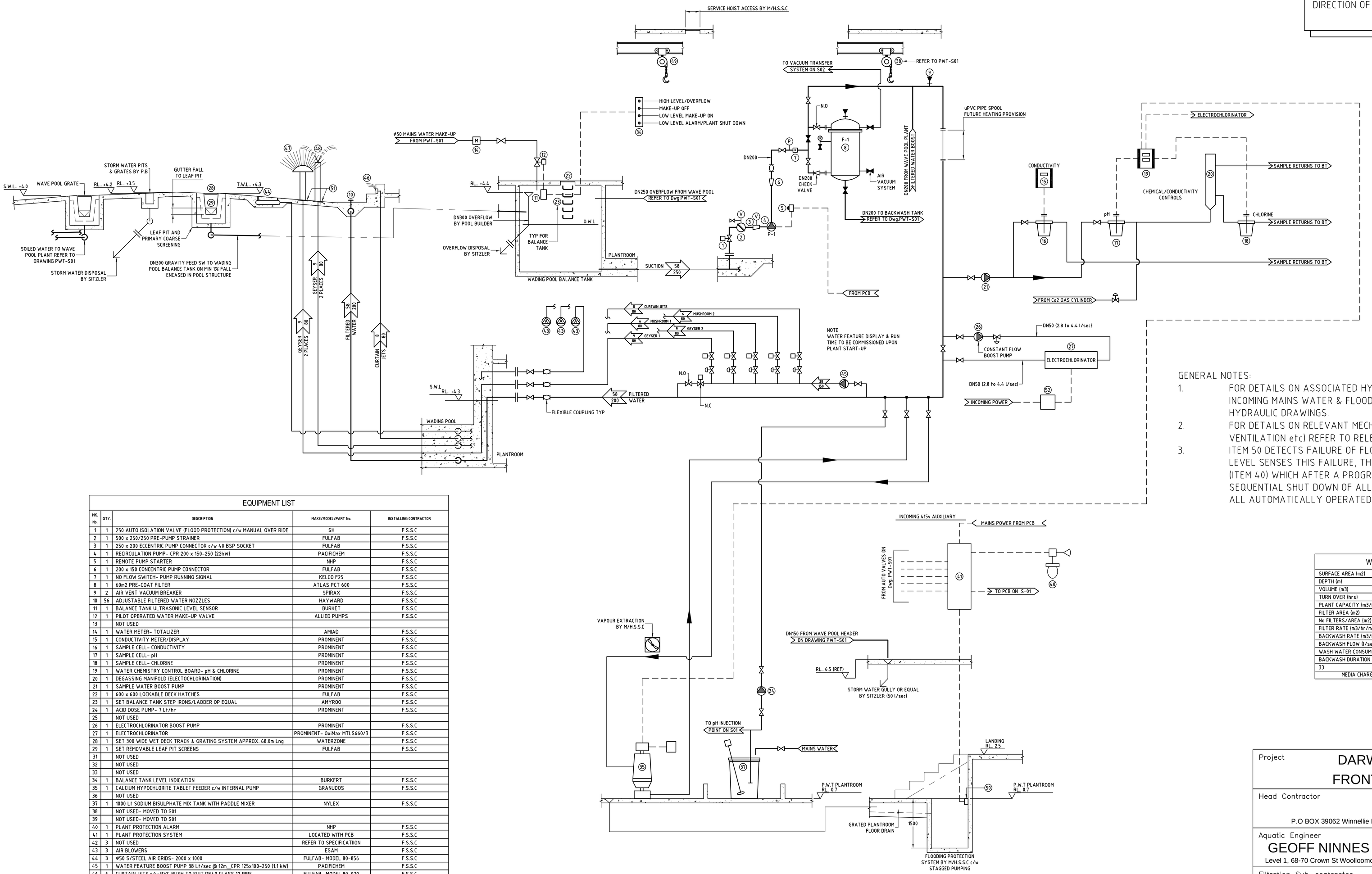
DIRECTION OF FLOW 84 / 200 FLOW (Lt/sec) / PIPE SIZE



GENERAL NOTES:

1. FOR DETAILS ON ASSOCIATED HYDRAULIC SERVICES (SAFETY SHOWERS, INCOMING MAINS WATER & FLOODING PROTECTION), REFER TO RELEVANT HYDRAULIC DRAWINGS.
2. FOR DETAILS ON RELEVANT MECHANICAL SERVICES (PLANTROOM VENTILATION etc) REFER TO RELEVANT MECHANICAL DRAWINGS.
3. ITEM 50 DETECTS FAILURE OF FLOODING PROTECTION SYSTEM. IF ITEM 50 LEVEL SENSES THIS FAILURE, THE SYSTEM SHALL INITIATE AN ALARM (ITEM 40) WHICH AFTER A PROGRAMMABLE TIME WILL INITIATE A SEQUENTIAL SHUT DOWN OF ALL POOL PLANT, INCLUDING CLOSURE OF ALL AUTOMATICALLY OPERATED VALVES.

EQUIPMENT LIST

MK No.	QTY.	DESCRIPTION	MAKE/MODEL/PART No.	INSTALLING CONTRACTOR
1	1	250 AUTO ISOLATION VALVE (FLOOD PROTECTION) c/w MANUAL OVER RIDE	SH	F.S.S.C
2	1	500 x 250/250 PRE-PUMP STRAINER	FULFAB	F.S.S.C
3	1	250 x 200 ECCENTRIC PUMP CONNECTOR c/w 40 BSP SOCKET	FULFAB	F.S.S.C
4	1	RECIRCULATION PUMP- CPR 200 x 150-250 (22kW)	PACIFICHEM	F.S.S.C
5	1	REMOTE PUMP STARTER	NHP	F.S.S.C
6	1	200 x 150 CONCENTRIC PUMP CONNECTOR	FULFAB	F.S.S.C
7	1	NO FLOW SWITCH- PUMP RUNNING SIGNAL	KELCO F25	F.S.S.C
8	1	60m2 PRE-COAT FILTER	ATLAS PCT 600	F.S.S.C
9	2	AIR VENT VACUUM BREAKER	SPIRAX	F.S.S.C
10	56	ADJUSTABLE FILTERED WATER NOZZLES	HAYWARD	F.S.S.C
11	1	BALANCE TANK ULTRASONIC LEVEL SENSOR	BURKET	F.S.S.C
12	1	PILOT OPERATED WATER MAKE-UP VALVE	ALLIED PUMPS	F.S.S.C
13		NOT USED		
14	1	WATER METER- TOTALIZER	AMIAD	F.S.S.C
15	1	CONDUCTIVITY METER/DISPLAY	PROMINENT	F.S.S.C
16	1	SAMPLE CELL- CONDUCTIVITY	PROMINENT	F.S.S.C
17	1	SAMPLE CELL- pH	PROMINENT	F.S.S.C
18	1	SAMPLE CELL- CHLORINE	PROMINENT	F.S.S.C
19	1	WATER CHEMISTRY CONTROL BOARD- pH & CHLORINE	PROMINENT	F.S.S.C
20	1	DEGASSING MANIFOLD (ELECTOCHLORINATION)	PROMINENT	F.S.S.C
21	1	SAMPLE WATER BOOST PUMP	PROMINENT	F.S.S.C
22	1	600 x 600 LOCKABLE DECK HATCHES	FULFAB	F.S.S.C
23	1	SET BALANCE TANK STEP IRONS/LADDER OR EQUAL	AMYROD	F.S.S.C
24	1	ACID DOSE PUMP- 7 Lt/hr	PROMINENT	F.S.S.C
25		NOT USED		
26	1	ELECTROCHLORINATOR BOOST PUMP	PROMINENT	F.S.S.C
27	1	ELECTROCHLORINATOR	PROMINENT- OxiMax MTLS660/3	F.S.S.C
28	1	SET 300 WIDE WET DECK TRACK & GRATING SYSTEM APPROX. 68.0m Lng	WATERZONE	F.S.S.C
29	1	SET REMOVABLE LEAF PIT SCREENS	FULFAB	F.S.S.C
31		NOT USED		
32		NOT USED		
33		NOT USED		
34	1	BALANCE TANK LEVEL INDICATION	BURKERT	F.S.S.C
35	1	CALCIUM HYPOCHLORITE TABLET FEEDER c/w INTERNAL PUMP	GRANUDOS	F.S.S.C
36		NOT USED		
37	1	1000 Lt SODIUM BISULPHATE MIX TANK WITH PADDLE MIXER	NYLEX	F.S.S.C
38		NOT USED- MOVED TO S01		
39		NOT USED- MOVED TO S01		
40	1	PLANT PROTECTION ALARM	NHP	F.S.S.C
41	1	PLANT PROTECTION SYSTEM	LOCATED WITH PCB	F.S.S.C
42	3	NOT USED	REFER TO SPECIFICATIION	F.S.S.C
43	3	AIR BLOWERS	ESAM	F.S.S.C
44	3	Ø50 S/STEEL AIR GRIDS- 2000 x 1000	FULFAB- MODEL 80-856	F.S.S.C
45	1	WATER FEATURE BOOST PUMP 38 Lt/sec @ 12m_CPR 125x100-250 (1.1 kW)	PACIFICHEM	F.S.S.C
46	6	CURTAIN JETS c/w PVC BUSH TO SUIT DN40 CLASS 12 PIPE	FULFAB- MODEL 80-070	F.S.S.C
47	2	PEDESTAL MOUNTED SPRAY BALL WATER FEATURE	FULFAB- MODEL 80-281	F.S.S.C
48	2	GEYSER WATER FEATURE	FULFAB- MODEL 80-159	F.S.S.C
49	1	6.7m Lng SERVICE MONORAIL AND LIFTING TACKLE- S.W.L 3.0 TONNE	REFER TO SPECIFICATIION	M/H.S.S.C
50	1	LEVEL SENSOR (PLANT PROTECTION)	BURKERT	F.S.S.C
51	4	UNIVERSAL BASE PLATES	FULFAB- MODEL 80-100	F.S.S.C
52	1	ELECTROCHLORINATOR POWER SUPPLY/CONTROLS	PROMINENT	F.S.S.C

WADING POOL TECHNICAL DATA

SURFACE AREA (m2)	470
DEPTH (m)	0.2
VOLUME (m3)	94
TURN OVER (hrs)	0.45
PLANT CAPACITY (m3/hr)	210 (58 l/sec)
FILTER AREA (m2)	60
No FILTERS/AREA (m2)	1 x 60
FILTER RATE (m3/hr/m2)	3.5
BACKWASH RATE (m3/hr/m2)	5
BACKWASH FLOW (l/sec)	84
WASH WATER CONSUMPTION	10.0m3
BACKWASH DURATION (min)	2
33	45
MEDIA CHARGE BASED ON A MAXIMUM DOSE RATE OF 0.55kgs/m	

REV.	DRN.	DATE	DESCRIPTION	CHK.	APP.
E	PB	19/05/09	AS INSTALLED	-	-
D	PB	08/10/07	FOR CONSULTANT APPROVAL	-	-
C	PB	23/08/07	BRANCH LINE SIZE CHANGE TO FEATURES	-	-
B	PB	14/08/07	REVISED TO R.T INSTUCTION	-	-
A	PB	20/06/07	APPROVAL	-	-

Project: DARWIN CITY WATER FRONT DEVELOPMENT

Head Contractor: SITZLER
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Aquatic Engineer: GEOFF NINNES FONG & PARTNERS Pty Ltd
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Filtration Sub-contractor: TRISLEY HYDRAULIC SERVICES Pty Ltd
20-22 Production Ave Kogarah N.S.W 2217 Ph: (02) 9588 1222 Fax: (02) 9587 9662

Title: WADING POOL WATER TREATMENT SCHEMATIC

DES.	DRN.	CHK.	APP.
DATE	PB DATE 25/07/07	DATE	DATE

FILE	DISK	DRAWING No.	REV.	
PLT.	SCALE NTS	PWT-S-02	E	A1