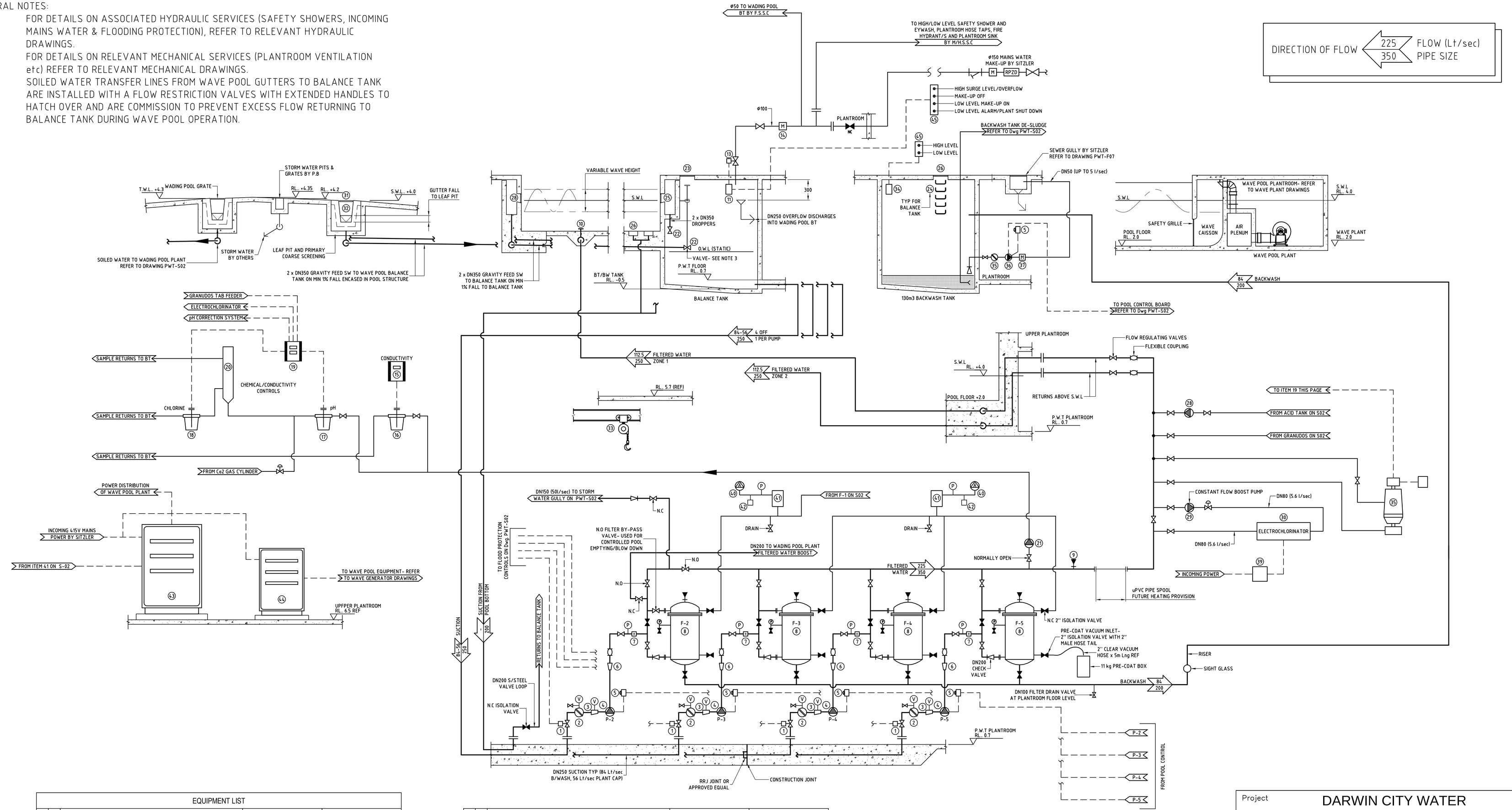
GENERAL NOTES:

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. SOILED WATER TRANSFER LINES FROM WAVE POOL GUTTERS TO BALANCE TANK ARE INSTALLED WITH A FLOW RESTRICTION VALVES WITH EXTENDED HANDLES TO HATCH OVER AND ARE COMMISSION TO PREVENT EXCESS FLOW RETURNING TO BALANCE TANK DURING WAVE POOL OPERATION.



EQUIPMENT LIST				
MK. No.	QTY.	DESCRIPTION	MAKE/MODEL/PART No.	INSTALLING CONTRACTOR
1	4	250 AUTO ISOLATION VALVE (FLOOD PROTECTION) c/w MANUAL OVER RIDE	SH	F.S.S.C
2	4	500 x 250/250 PRE-PUMP STRAINER	FULFAB	F.S.S.C
3	4	250 x 200 ECCENTRIC PUMP CONNECTOR c/w 40 BSP SOCKET	FULFAB	F.S.S.C
4	4	RECIRCULATION PUMP- CPR 200 x 150-250 (22kW)	PACIFICHEM	F.S.S.C
5	5	REMOTE PUMP STARTER (ONE FOR WASTE WATER PUMP ITEM 36)	NHP	F.S.S.C
6	4	200 x 150 CONCENTRIC PUMP CONNECTOR	FULFAB	F.S.S.C
7	4	NO FLOW SWITCH- PUMP RUNNING SIGNAL	KELCO F25	F.S.S.C
8	4	60m2 PRE-COAT FILTER	ATLAS PCT 600	F.S.S.C
9	5	AIR VENT VACUUM BREAKER	SPIRAX	F.S.S.C
10	144	ADJUSTABLE FILTERED WATER NOZZLES	HAYWARD	F.S.S.C
11	1	BALANCE TANK ULTRASONIC LEVEL SENSOR	BURKERT	F.S.S.C
12		NOT USED		
13	1	PILOT OPERATED VALVE- POOL WATER MAKE-UP	ALLIED PUMPS	F.S.S.C
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	4	ø350 FLOW RESTRICTING VALVES, EXTENDED HANDLES	SH	F.S.S.C

MK. No.	QTY.	DESCRIPTION	MAKE/MODEL/PART No.	INSTALLING CONTRACTOR
23	3	600 x 600 LOCKABLE DECK HATCHES	FULFAB	F.S.S.C
24	2	SETS BALANCE/BACKWASH TANK STEP IRONS/LADDER OP EQUAL	AMYROO	F.S.S.C
25	20	SCUPPER GRATE c/w CAST-IN FRAME	FULFAB	F.S.S.C
26	4	600 x 600 MAIN DRAIN FRAME AND GRATES	FULFAB	F.S.S.C
27	1	CALCIUM HYPOCHLORITE TABLET FEEDER c/w INTERNAL PUMP	GRUNFOS	F.S.S.C
28	1	ACID DOSE PUMP- 27 Lt/hr	PROMINENT	F.S.S.C
29	1	ELECTROCHLORINATOR BOOST PUMP	PROMINENT	F.S.S.C
30	1	ELECTROCHLORINATOR	PROMINENT- OxiMax MC8000	F.S.S.C
31	1	SET 600 WIDE WET DECK TRACK & GRATING SYSTEM APPROX. 80.0m Lng	WATERZONE	F.S.S.C
32	1	SET REMOVABLE LEAF PIT SCREENS	FULFAB	F.S.S.C
33	1	16.6m Lng FILTER SERVICE MONORAIL AND LIFTING TACKLE- S.W.L 3.0 TONNE	REFER TO SPECIFICATION	M.H.S.S.C
34	1	BACKWASH TANK ULTRASONIC LEVEL SENSOR	BURKERT	F.S.S.C
35	1	ø300 BAG FILTER	ATLAS	F.S.S.C
36	1	WASTE WATER DISCHARGE PUMP	PACIFICHEM	F.S.S.C
37	1	WATER METER- TOTALIZER	AMIAD	F.S.S.C
38		NOT USED		
39	1	ELECTROCHLORINATR POWER SUPPLY/CONTROLS	PROMINENT	F.S.S.C
40	2	AIR BLOWER- PRE-COAT EDUCTION/AIR VACUUM SYSTEM	ESAM	F.S.S.C
41	2	AIR FILTER	FULFAB	F.S.S.C
42	2	VACUUM RELIEF VALVE	FULFAB	F.S.S.C
43	1	POOL CONTROL BOARD	CVP ELECTRICAL	F.S.S.C
44	1	WAVE GENERATOR CONTROL BOARD	MURPHY WAVE	F.S.S.C
45	2	BALANCE AND BACKWASH TANK LEVEL INDICATION	BURKERT	F.S.S.C

WAVE POOL TECHNICAL DATA	
SURFACE AREA (m2)	2500
DEPTH (m)	1.03
VOLUME (M3)	2580
TURN OVER (hrs)	3.18
PLANT CAPACITY (m3/hr)	810 (225 l/sec)
FILTER AREA (m2)	240
No FILTERS/AREA (m2)	4 x 60
FILTER RATE (m3/hr/m2)	<3.4
BACKWASH RATE (m3/hr/m2)	5
BACKWASH FLOW (l/sec)	84
WASH WATER CONSUMPTION	10.0m3
TOTAL WASH WATER CONSUMPTION	40.0m3
BACKWASH DURATION (min)	2
MEDIA CHARGE/FILTER (kgs)	33
MEDIA CHARGE BASED ON A MAXIMUM DOSE RATE OF 0.55kgs/m	

REV.	DRN.	DATE	DESCRIPTION	CHK.	APP.
E	PB	25/05/09	AS INSTALLED- VALVE IN MAKE-UP ADDED	-	-
D	PB	19/05/09	AS INSTALLED	-	-
C	PB	08/10/07	FOR CONSULTANT APPROVAL	-	-
B	PB	14/08/07	REVISED TO R.T INSTUCTION	-	-
A	PB	20/06/07	APPROVAL	-	-

Project
DARWIN CITY WATER
FRONT DEVELOPMENT

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20-22 Production Ave Kogarah N.S.W 2217 Ph: (02) 9588 1222 Fax: (02) 9587 9662

Title
WAVE POOL WATER TREATMENT SCHEMATIC

DES.	DRN. PB	CHK.	APP.
DATE	DATE 25/07/07	DATE	DATE
FILE	DISK	DRAWING No.	REV.
PLT.	SCALE NTS	PWT-S-01	E

A1