

PLOT DATE: 12/22/2010 PLOT TIME: 17:34 FILE NAME: 16156FRDC-04 ALL RIGHTS RESERVED. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF WHITEWATER AND SHALL NOT BE REPRODUCED OR USED ON ANY OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH WHITEWATER

IF DRAINAGE IS TO RETURN TO FR BASIN, PENETRATION NEEDS TO BE MADE BELOW WATER LEVEL AND BE WATER TIGHT. VERIFY ALL WALL PENETRATIONS WITH WAVELOCH/WHITEWATER PRIOR TO CONSTRUCTION. DRAINAGE SYSTEM DESIGN, INSTALLATION AND CERTIFICATION PROVIDED BY CUSTOMER.

PVC SUMP PIT DESIGN AND INSTALLATION BY CUSTOMER

9.14 m  
INSIDE WALL TO INSIDE WALL DIMENSION. THIS DIMENSION IS CRITICAL AND MUST BE ACCURATE WITHIN 0.6cm THROUGHOUT THE POOL.

WATER LEVEL

#### 4 SECTION VIEW FRONT OF FLOWRIDER

CABLE TO FLOWRIDER PUMP. EACH PUMP HAS 2 CABLES.  
CABLE 1  $\phi$  = 1.8"(4.6cm)  
CABLE 2  $\phi$  = 1.16"(3.0cm)

LOCATION OF WALL PENETRATIONS TO BE VERIFIED WITH WAVELOCH/WHITEWATER PRIOR TO INSTALLATION. SEE DETAIL

6  
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WATER LEVEL

ALL CONCEALED CABLES BY OTHERS TYP.

#### 5 SECTION VIEW REAR OF FLOWRIDER

3" PUDDLE COUPLING OR EQUIVALENT PER CUSTOMER

PIPE ADAPTER AS NECESSARY. PER CUSTOMER

WATER TIGHT REDUCER FITTING AS NECESSARY. PER CUSTOMER

ELECTRICAL CONTRACTOR TO INSTALL CONDUIT AFTER CABLE LEAVES WALL PENETRATION.

60'(18.3m) OF CABLE SUPPLIED BY WAVELOCH/WHITEWATER. CONNECTIONS AND ADDITIONAL CABLE NECESSARY TO REACH ELECTRICAL CABINET INSTALLED AND SUPPLIED BY CUSTOMER

#### 6 DETAIL VIEW CABLE PENETRATIONS

2 x 1.8"(4.6cm) CABLE PENETRATIONS

2 x 1.16"(3.0cm) CABLE PENETRATIONS

#### 7 DETAIL SECTION VIEW: CABLE PENETRATIONS

S.S. ANCHORS PER WAVELOCH/WHITEWATER

CORNER BRACKET PER WAVELOCH/WHITEWATER

CHEMICAL ANCHORING COMPOUND PER WAVELOCH/WHITEWATER  
SIMPSON STRONG TIE ET-22 OR EQUIVALENT

REBAR PER LOCAL STRUCTURAL ENGINEER TO BE AT LEAST 4"(10cm) FROM FINISHED SURFACE SO AS NOT TO INTERFERE WITH WORK TO BE COMPLETED BY WAVELOCH/WHITEWATER  
SEE NOTES 7 AND 9.

#### 8 DETAIL SECTION VIEW FLOWRIDER BASIN CORNER DETAIL

### GENERAL NOTES:

1. THIS DRAWING IS INTENDED TO PROVIDE FINISHED DIMENSIONS ONLY. NO WALL THICKNESSES OR ANY OTHER STRUCTURAL CONSIDERATION IS IMPLIED.

2. FINAL CONSTRUCTION DOCUMENTS MUST BE PROVIDED BY THE ENGINEER OF THE PURCHASER'S CHOOSING AND MUST BE APPROVED BY WAVE LOCH/WHITEWATER PRIOR TO CONSTRUCTION.

3. LOCAL STRUCTURAL ENGINEER MAY CHANGE WALL THICKNESSES TO COMPLY WITH LOCAL REQUIREMENTS. ALL REINFORCEMENT, ANCHORING, FOOTING, AND WATER PROOFING MUST BE DEFINED BY LOCAL STRUCTURAL ENGINEER. ALL INTERIOR WALLS AND FLOORS WILL BE SMOOTH FINISH.

4. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

5. ANY DISCREPANCIES CONCERNING DIMENSIONS OR OTHER DESIGN CONSIDERATIONS MUST BE BROUGHT TO THE ATTENTION OF WAVE LOCH AS SOON AS POSSIBLE AND PRIOR TO CONSTRUCTION.

6. ALL WALLS MUST BE FORMED CONCRETE THROUGHOUT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI. NO BLOCK CONSTRUCTION CAN BE USED.

7. ALL STEEL REINFORCEMENT MUST BE A MINIMUM OF 4"(10cm) BEHIND FINISHED SURFACE TO ALLOW PLACEMENT OF ANCHOR BOLTS AT ANY LOCATION ON FINISHED SURFACES INCLUDING FLOORS AND DECKS. CONCRETE MUST CURE FOR A MINIMUM OF 28 DAYS PRIOR TO RIDE INSTALLATION. IF WAVE LOCH ENCOUNTERS REBAR WHICH IS PLACED WITHIN 4"(10cm) OF THE FINISHED SURFACE DURING INSTALLATION, AND THIS REBAR CREATES AN ADDED COST DUE TO INCREASED MATERIALS AND/OR LABOR TO COMPLETE THE INSTALLATION OF THE FLOWRIDER ATTRACTION, PURCHASER WILL BE RESPONSIBLE FOR ANY ADDITIONAL COSTS.

8. THE EQUIPMENT SHOWN THROUGHOUT THESE DRAWINGS ARE FOR REFERENCE ONLY.

9. IT IS THE RESPONSIBILITY OF THE PURCHASER TO DESIGN THE ATTRACTION SUCH THAT A 4"(10cm) CHEMICAL ANCHOR CAN BE PLACED ANYWHERE IN THE RIDE(SEE NOTE 7) WHILE STILL MAINTAINING ANY AND ALL STANDARDS FOR WATERPROOFING THE BASIN TO MEET ALL LOCAL BUILDING CODES. WAVE LOCH/WHITEWATER DOES NOT GUARANTEE THE INTEGRITY OF ANY TERPORRFING SYSTEM DESIGNED/INSTALLED BY THE PURCHASER, AND DOES NOT GUARANTEE THAT THE CHEMICAL ANCHORS INSTALLED BY WAVE LOCH/WHITEWATER WILL MAINTAIN THE INTEGRITY OF THE WATERPROOFING SYSTEM.

PRELIMINARY  
NOT FOR CONSTRUCTION

2	ISSUED FOR DEVELOPMENT PERMIT			DEC 24/2010	
REV	REVISION	DESCRIPTION/ISSUE	RECORD	DATE	PE
DESIGNED BY	DATE	DEC 20/2010	PROJ. ENG. CHECK	DATE	
W/L	DATE	DEC 20/2010	DRAFTING CHECK	DATE	
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NOTE:— METRIC DIMENSIONS  
ALL ELEVATIONS AND CO-ORDINATES ARE IN METRES  
ALL OTHER DIMENSIONS ARE IN MILLIMETRES

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GROUP FR DOUBLE FLOWRIDER  
CIVIL DRAWINGS  
SHEET-4

WET 'N' WILD SYDNEY  
SYDNEY, AUSTRALIA

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