

NOTE  
Downpipes can be connected to existing stormwater pipes. However, existing pipelines need to be checked and repaired in accordance to AS 3500. Dimensions and slope of existing pipes need to be checked in accordance with AS 3500 to ensure adequacy.

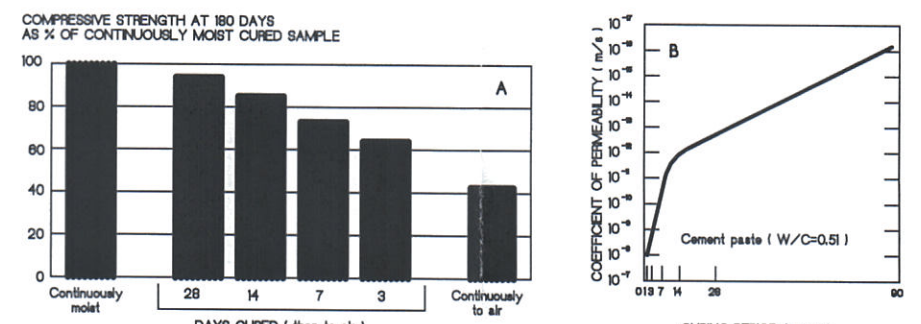
Maximum Plan Area is 31.1m² per downpipe

Indication Of Area Draining To Downpipes By Hatching.	
DPI - 17.6m²	

Note:- Areas are unfactored plan areas

**Drainage Pipe Notes.**  
Slope of pipes to be a minimum of 1:100 i.e. 1%.  
All levels and dimensions to be checked and confirmed on site.  
All design work and works to be in accordance with AS/NZS 3500.5 (2000) and AS/NZS 3500.3.2 (1998)  
All pipes unless otherwise specified on the plan to be 100 dia. UPVC pipe.  
Inspection openings will be required at even spacings not more than 30 metres apart and at any change of direction greater than 45 degrees.  
The Eaves Gutter connected to all DP's to have a minimum cross sectional area of 6365 sq. mm or similar. Downpipes attached to the eaves gutter to have a minimum diameter of 90mm or 100 x 50 rect. or similar.

**IMPORTANCE OF CURING CONCRETE**



Effect of curing duration on: (A) compressive strength; and (B) concrete permeability  
Acknowledgement: Diagram is based on fig 12 of Guide to Concrete Repair & Protection (SAA/1684:1998)

Hatched area represents Car/Bike parking extension and drive. Area = 31.1m²  
Car/Bike parking extension and drive to drain to existing pit.



No.	Amendment	Drawn	Date
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**PLAN OR DOCUMENT CERTIFICATION**  
I am a qualified.....CIVIL, GEOTECHNICAL & STRUCTURAL ENGINEER.....  
I hold the following qualifications or licence No..B.EngSc.....M.E. Aust.....  
Further I am appropriately qualified to certify this component of the project.  
I hereby state that these plans or details comply with the conditions of development consent, the provisions of the Building Code of Australia.  
A.S.1170, A.S.1170.1, A.S.1170.2, A.S.1684, A.S.2870.1, A.S.3500, A.S.3600, A.S. 3700, A.S.4100 & A.S.1163. On behalf of **Jack Hodgson Consultants**  
*Phil Wickings*  
Name Date Signature

**STORMWATER MANAGEMENT PLAN**  
**PROPOSED ALTERATIONS AND ADDITIONS**  
**79A RYAN PLACE**  
**BEACON HILL**  
**PHIL WICKINGS**

Our design and drawings are based upon and derived from information (including levels, surveys, etc) provided by the owner/architect/designer/ builder, B & G SURVEYING PTY LTD  
Plan No. DETAIL 19/10/2015.DWG Date: 19/10/2015  
Should the information provided to us be found to be deficient, unreliable, incorrect or inaccurate then our design/drawings may require modification. We take no responsibility for verifying the accuracy of the information that forms the basis of our brief and it is your obligation to verify it prior to the commencement of building operations.  
The Structural Details shown on this Drawing are NOT to change under any circumstance.  
NO Certificate will be issued for work NOT in accordance with the Drawing

**JACK HODGSON CONSULTANTS PTY. LIMITED.**  
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Designed CP	Drawn CP	Job No.	Drawing No.
Design Check GH	Drawing Check GH	26967-H2	
Date 13 FEBRUARY 2017			

