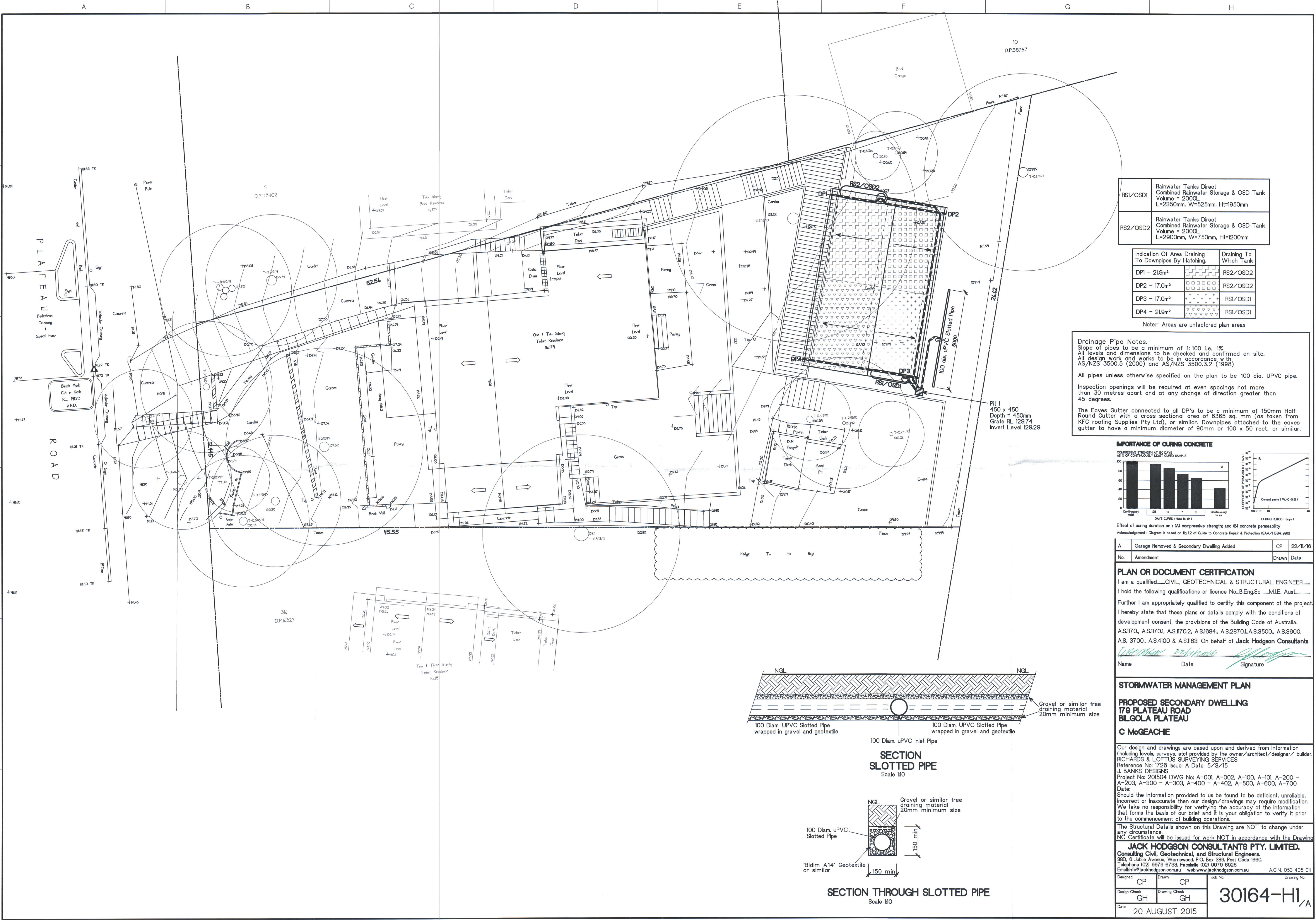




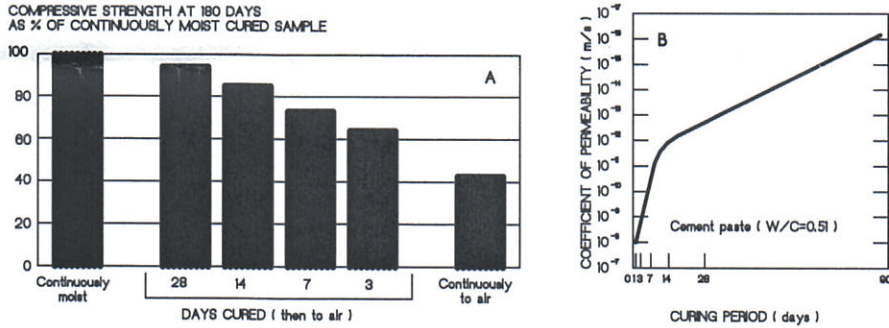
RS1/OSD1	Rainwater Tanks Direct Combined Rainwater Storage & OSD Tank Volume = 2000L L=2350mm, W=525mm, H=1950mm
RS2/OSD2	Rainwater Tanks Direct Combined Rainwater Storage & OSD Tank Volume = 2000L L=2900mm, W=750mm, H=1200mm

Indication Of Area Draining To Downpipes By Hatching:	Draining To Which Tank
DP1 - 21.9m²	RS2/OSD2
DP2 - 17.0m²	RS2/OSD2
DP3 - 17.0m²	RS1/OSD1
DP4 - 21.9m²	RS1/OSD1

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 be a minimum of 150mm Half Round Gutter with a cross sectional area of 6365 sq. mm (as taken from KFC roofing Supplies Pty Ltd), 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/EB943566)

A	Garage Removed & Secondary Dwelling Added	CP	22/11/16
No.	Amendment	Drawn	Date

PLAN OR DOCUMENT CERTIFICATION
I am a qualified.....CIVIL, GEOTECHNICAL & STRUCTURAL ENGINEER.....
I hold the following qualifications or licence No..B.Eng.Sc.....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**
[Signature]
Name Date Signature

STORMWATER MANAGEMENT PLAN

PROPOSED SECONDARY DWELLING
179 PLATEAU ROAD
BILGOLA PLATEAU

C McGEACHIE

Our design and drawings are based upon and derived from information (including levels, surveys, etc) provided by the owner/architect/designer/ builder. RICHARDS & LOFTUS SURVEYING SERVICES
Reference No: 1726 Issue: A Date: 5/3/15
Project No: 201504 DWG No: A-001, A-002, A-100, A-101, A-200 - A-203, A-300 - A-303, A-400 - A-402, A-500, A-600, A-700
Date:
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

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Designed	CP	Drawn	CP	Job No.	Drawing No.
Design Check	GH	Drawing Check	GH		
Date	20 AUGUST 2015				

30164-H1 /A

