

BCA Certifiers Australia Pty Ltd Capital Centre Unit 3 2-6 Shea St Phillip ACT 2606 Phone: 02 62851199 Fax: 02 62852795 Email: mail@bcacertifiers.com.au

building approvals, certification and compliance

MODIFIED CONSTRUCTION CERTIFICATE

CERTIFICATE NO:

CC140503-3M1

Date of Certificate:

22 January 2015

Description of the

Chemical Storage Area (Modification to include Retaining Walls known as Transformer area)

Proposed development:

Associated with Water Recycling Plant

Classification under the Building Code of Australia: 8 & 10b

APPLICANT

Name:

Mr S Merange

Address:

John Holland Pty Ltd

Project Manager, Specialist Engineering

Googong WRP

PO Box 812 Queanbeyan NSW 2620

PROPERTY (The Land)

Address:

Lot 4 Googong Dam Road GOOGONG

Lot/Sec/DP:

lot 4 DP 1179941

DEVELOPMENT CONSENT

Development Consent Number:

MP 08-0236

Date of Consent:

24/11/2011 modified 09/07/14

Consent authority:

NSW Planning & Environment Director of

Infrastructure Projects as a delegate for the Minister

for Planning

CERTIFYING AUTHORITY

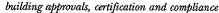
Name: Annette Owen

Signature:

H) wen,

Accreditation No: BPB 1771

Accred: Building Professionals Board



certifier:

CERTIFICATION

CC: CC140503-3M1

Annette Owen of BCA Certifiers Australia Pty Ltd certifies

That work completed in accordance with the documentation accompanying the application for this certificate (with such modifications, if any, verified by me as may be shown on that documentation) will comply with the requirements of the *Environmental Planning & Assessment Regulation 2000* as referred to in s.81A(5) of the Environmental Planning & Assessment Act 1979.

The documents listed below accompanied the application for this certificate. Note: The certificate is to be endorsed upon all relevant plans and specifications.

ATTACHMENTS	(Tick as appropriate)
	Schedule of Approved Plans and Specifications
	The conditions of the certificate
	Fire Safety Schedule

SCHEDULE OF APPROVED PLANS AND SPECIFICATIONS

	Prepared By
Architectural Plans	Site Plan MWH ref no: 83500349-01-001G102 dated 11/08/14
Structural Plans	MWH ref no: 83502156-01-001-G206 12rev D, G207 B 208B 209B G300A G301 A G302 A G303 A G406D G404B M200B M201B M400B S209B S210B S300D S301D S302C S303D S304D S305B S306B S307B S308B S309AS420Cdated 27/11/14 28/11/14 & 02/12/14
Retaining Wall details (22/01/15)	MWH ref no: 8350215-01-001-S030 031 dated 19/12/14

Inspections

The builder is to notify BCA Certifiers upon reaching each inspection stage outlined below by telephoning 62851199. The builder is not to proceed beyond an inspection stage until written approval to proceed has been given by BCA Certifiers.

The stages are:

- After excavation for, and prior to the placement of any footings.
- Prior to the pouring of any in-situ reinforced concrete building element. .
- Prior to the covering of any stormwater drainage connections.
- After the building work has been completed and prior to any occupation certificate being issued in relation to the building.

MWH Ref. 83502156-LT-DM-005

16th January 2015

John Holland Pty Ltd Level 3, 65 Pirrama Road,. Pyrmont NSW 2009

Steve Merange Project Manager

Dear Sir,

Googong WRP Project -- Structural Design of Retaining Walls Certificate of Compliance

This is to certify that the Structural Design of the Retaining Walls detailed on drawings 83502156-01-001-S023 to S031and 83502156-01-001-G004 have been carried out in accordance with the current editions of the following Australian Standards and other relevant standards referred to therein, BCA: Building Code of Australia, where applicable, and in accordance with good engineering practice and principles.

- AS 3600 Concrete structures
- AS 3700 Masonry Structures
- AS/NZS 1170.0 Structural design actions General principles
- AS/NZS 1170.1- Structural design actions Permanent Imposed and Other Actions
- AS/NZS 1170.1- Structural design actions Wind Actions

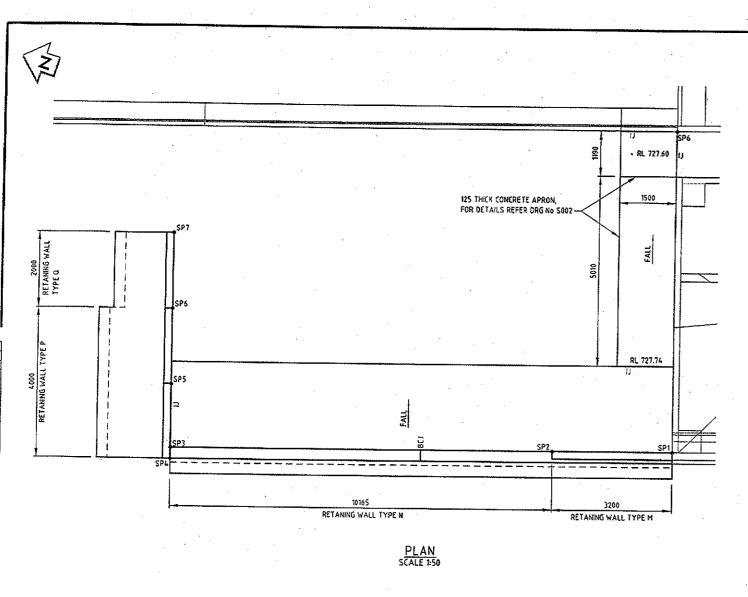
I also confirm that that the design calculations and drawings have been checked and reviewed in accordance with our ISO 9001 certified Quality Assurance System.

Yours Sincerely,

(A) WWH

BUILDING A BETTER WORLD

Jaya Weerasinghe
BSc(Eng), FIEAust, CPEng, NPER & RPEQ (Civil & Structural), MICE CEng
Chief Engineer (Structural) Asia Pacific

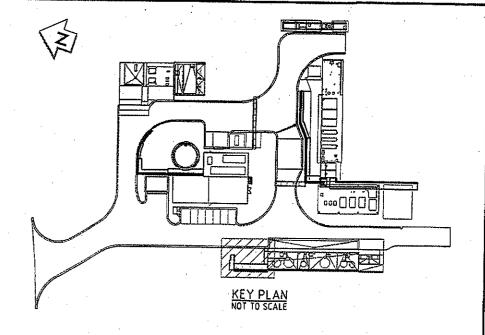


RETAINING WALL SETOUT

POINT	EASTING	NORTHING	REDUCED LEVELS		REMARKS	
	4 1	TOP OF FOOTING	709 0	F WALL		
SP1	703603.63	6078243.82	#	73	31.65	
SP2	703602.61	6078246.86	#	731.65	729.85	
SP3 .	703599,39	6078256.50	#	72	9.85	
SP4	703599.10	6078256.41	727.60		9.85	····
SP5	703600.99	6078257.05	727.60	729.85	729.10	
SP6	703602.90	6078257.68	727.60	729,10	728.45	·······
SP?	703604.79	6078258.32	727.60	728.45		

PROF REGISTRATION:

- SEE DETAILS ON ORG No SO31



BCA certifiers

ABN: 53 119 755 734

CONSTRUCTION CERTIFICATE MODIFIED CC140503-3M1 22 January 2015

Principal Certifying Authority Annette Owen BPB1771

NOTES

- 1. FOR GENERAL NOTES REFER DRG G003 & G004.
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 2. THE MINIMUM ALLOWABLE SAFE BEARING CAPACITY SHALL BE \$000kPa

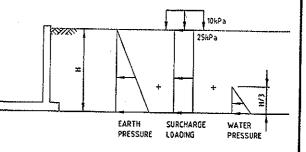
 3. GRADE OF CONCRETE = N32.

 4. THE ROCK PROFILE SHOWN ARE BASED ON LINEAR INTERPOLATION
 BETWEEN AVAILABLE BORE LOGS.ACTUAL ROCK LEVELS MAY VARY, ALL
 MATERIAL ABOVE THE "EW/HW & HW DACITE" ROCK LEVEL SHALL BE
 REMOVED AND REPLACED WITH MASS CONCRETE TO ENSURE UNIFORM
 SUBGRADE. WHEN PREPARING FOUNDATION, THE CONTRACTOR SHALL
 ENGAGE A SUITABLY DUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE
 EW/HW & HW DACITE" ROCK LEVEL PRIOR TO FILLING WITH MASS
 CONCRETE.
- CLASS C OR APPROVED EQUIVALENT.

 6. BCJ DENOTES BLOCKWORK CONTROL JOINT, REFER DRG No. S309.

CONCRETE COVER TO REINFORCEMENT

STRUCTURE	MEM8ER	105	BOTTOM	SI	DE	EXPOSURE
	L i			EXT	INT	CLASSIFICATION
RETAINING WALL	BASE SLAB	40	40	40	40	B1
	WALL (CONCRETE)	-	-	40	40	81



DESIGN LOADING SCENARIO

SURVEYED DESIGNED DRAWN Steve Coyle Alan Gibert 04.11.14 19.12.14 19.12.14 CAD REVIEW DESIGN CHECK DESIGN REVIEW Jaya Weerasinghe Stephen Chapman 19.12.14

MWH.



	NOT FOR CONSTRUCTION		
GOOGONG WATER RECYCLING PLANT STAGE AB	FOR REVIEW		
	Oefa Steep 19.12.14		
RETAINING WALLS - TRANSFORMER AREA	SCHOT AS SHOWN		
PLAN AND SETOUT DETAILS	83502156 - 01- 001-5030 FT A		

