

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:

CC140503-4M1

Date of Certificate:

22 January 2015

Description of the

Proposed development:

Administration & Blower Building

Separated into 2 Fire Compartments
Associated with Water Recycling Plant

Modification to include retaining wall in the area known as Recycled Water Plant

Classification under the

Building Code of Australia:

5 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: Ros Pascoe

Signature:

Accreditation No: BPB 2220

Accred: Building Professionals Board



CC: CC CC140503-4M1

building approvals, certification and compliance

CERTIFICATION

Ros Pascoe 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.

AT.	ТΑ	CI	НM	E	ĪΝ	S
-----	----	----	----	---	----	---

(Tick as appropriate)

- Schedule of Approved Plans and Specifications
- The conditions of the certificate
- L 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					
01						
Structural Plans	MWH ref no: 83502156-01-001-G403 rev B 12, G404 B G405 AS400 1S401 1 S402 1S403 1S405 S4061 S407 1 SS412 1 S412 1 S413 1 S414 1 dated 11/12/14					
Retaining wall details	AANAILL CALL COLLEGE					
retaining wall details	MWH ref No: 83502156-01-S027 028 028 B dated 19/12/15					



building approvals, certification and compliance

The Conditions of Certificate

Administration & blower building
5 & 8
1
С

Attached are the approved plans for your project at the above address. The plans have been assessed and approved subject to compliance with the Deemed-to-Satisfy Provisions of the Building Code of Australia.

To ensure compliance with the requirements of the BCA the following advice is provided. Fire Resistance

- The fire hazard properties of materials, linings and surface finishes used are to comply with Specification C1.10.
- A fire wall (90/90/90) is required between the two uses in the building providing compartment under 500m2.

Services and Equipment

- Portable fire extinguishers are to be provided in accordance with Part E1.6 of the BCA.
- Emergency lighting and exit signs are to be provided in accordance with Part E4 of the BCA.

Access and egress

- Access and egress from the building is to comply with Part D of the BCA.
- Steps, landings and balustrades are to comply with Part D of the BCA. A stairway shall not have more than 18 risers in each flight in accordance with Part D2.13 of the BCA.
- The operation of door latches, are to comply with Part D2.21 of the BCA.
- Access for people with disabilities is to be provided to and within the building by means of a continuous path of travel in accordance with AS 1428.1 and Part D3.2 of the BCA.
- Tactile ground indicators are to be in accordance with Part D3.8 of the BCA.
- NOTE: Handrails complying with AS1428.1-2009 must be provided to all stairs.

Health & Amenity



building approvals, certification and compliance

- Water proofing of wet areas are to comply with Part F1.7 of the BCA.
- Lighting system is to comply with Part F4.4 of the BCA and AS1680.0.
- Ventilation system is to comply with Part F4.5 of the BCA and AS1668.2 and AS3666.1
- The construction and layout of facilities provided for people with disabilities must comply with AS1428.1.

Energy Efficiency

- Building fabric must be designed and constructed in accordance with Part J1 of the BCA.
- External glazing must be designed and installed in accordance with Part J2 of the BCA.

Note:

- Upon completion of the project, certificates as per Schedule A must be submitted prior to the release of Occupancy Certificate.
- Inspections, as per Schedule B are required.

Schedule A

Certificates Required

Note* All Certificates are required to be presented on the relevant companies letterhead (with company contact details, including ABN), signed by a suitably qualified person and dated.

- 1. A Survey Certificate is required (Identifying as built boundary setbacks)
- 2. Structural Engineers Certification certifying that-

The building as constructed complies with Part B of the BCA and the

- 3. Certification that Emergency Lighting complies with Part E4.2 and is installed in accordance with AS/NZS 2293.1.
- 4. Certification that Exit Signs comply with Part E4.5 & 4.6 and are installed in accordance with AS/NZS 2293.1. & Certification that the Portable Fire Extinguishers are provided in accordance with Part E1.6 and Table E1.6 of the BCA, and that have been selected, located and distributed in accordance with AS 2444.
- 5. Certification for waterproofing to all wet areas, identifying the product used and stating compliance with AS3740.
- Certification that all glazing complies with AS1288 where applicable. (Note: Certification must itemize the type of glazing and the applicable section of AS1288 to which it complies).

7. Certification that the fire hazard properties of materials, lin finishes used (ie; Carpet, Vinyl, Etc), comply with Specification of the certifiers

Schedule B

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 framework for any floor, wall, roof or other building element.
- Prior to covering waterproofing in any wet areas.
- 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.

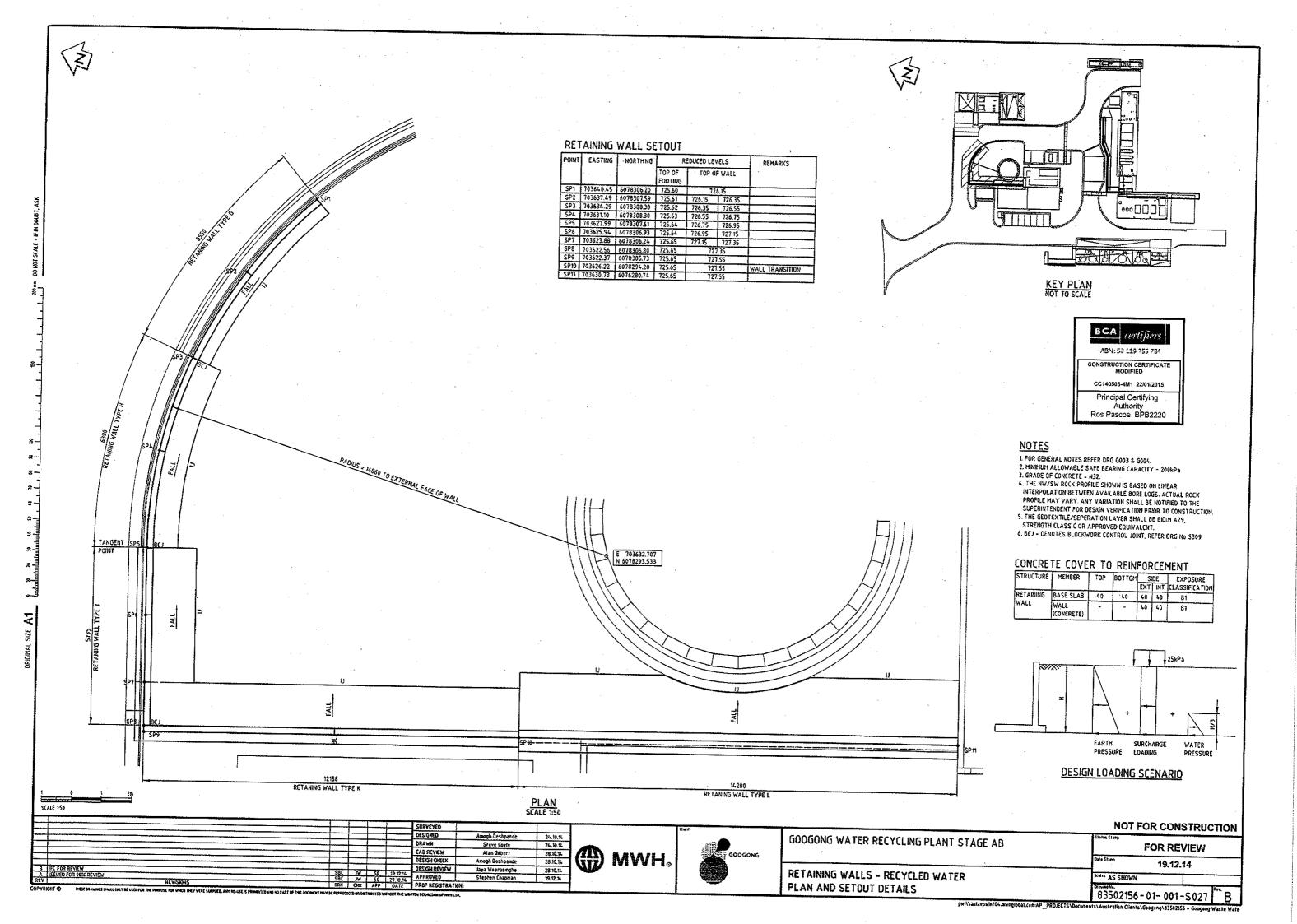
Yours Sincerely,

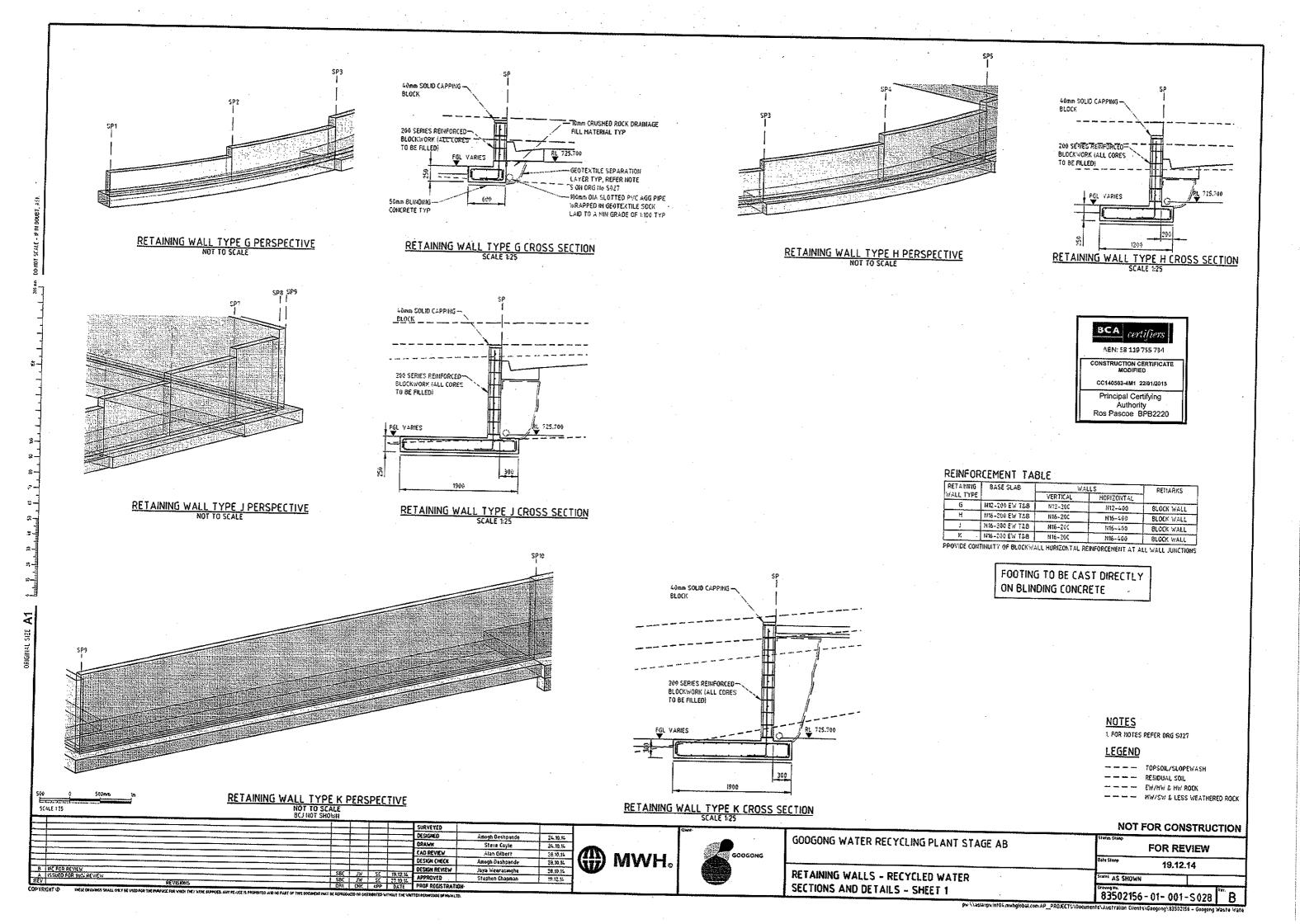
(A) MWH

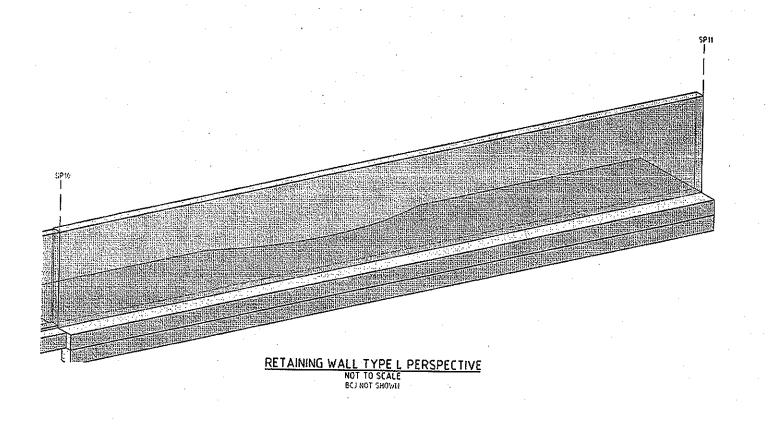
BUILDING A BETTER WORLD

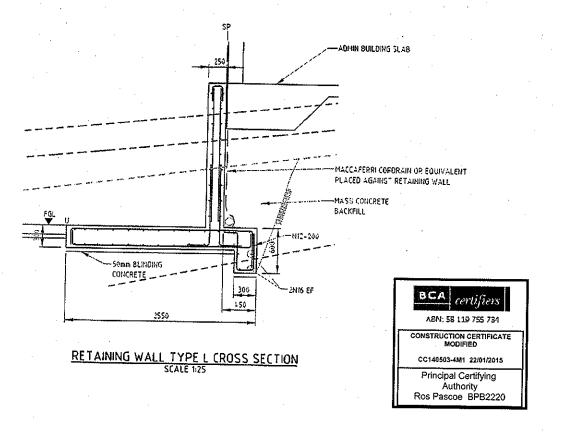
Jaya Weerasinghe

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





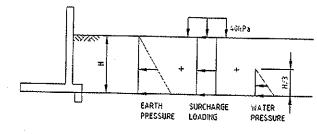




REINFORCEMENT TABLE

TADLE								
RETAINING	BASE SLAB	WAI	REMARKS					
WALL TYPE		VERTICAL	HORIZONTAL					
L I	N16-200 EW T3B	N16-200 EF	N16-200 EF	CONCRETE WALL				

FOOTING TO BE CAST DIRECTLY ON BLINDING CONCRETE



DESIGN LOADING SCENARIO

NOTES 1 FOR NOTES REFER DRG 5027

LEGEND

TOPSOIL/SLOPEWASH

--- EW/HW & HW ROCK

--- EW/HW & HW ROCK
---- MW/SW & LESS WEATHERED ROCK

NOT FOR CONSTRUCTION

GOOGONG WATER RECYCLING PLANT STAGE AB

FOR REVIEW

Date State

19.12.14

State: AS SHOWN

83502156 - 01- 001-5029

RETAINING WALLS - RECYCLED WATER SECTIONS AND DETAILS - SHEET 2

_									
						SURVEYED			
			-	 		DESIGNED	Anogh Deshpande	24 10,14	
						DRAWN	Steve Coyle	24.10.14	
						CAD REYEW	Alan Gilbert	28.10.14	
						DESIGN CHECK	Amogh Deshpande	28.10,14	
В	IFC FOR REVIEW	SBC	16.7		10.00.44	DESIGN REVIEW	Jaya Weerasinghe	28,10.14	
27	ISSUED FOR 90% REVIEW	\$80	JW	SC	19.12.14 27.10.14	APPROVED	Staphen Chapman	19.12.14	
	REVISIONS	0.022	CUV	100	A TE	DOOR OCCUPATION.			



