



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](mailto:mail@bcacertifiers.com.au)



*building approvals, certification and compliance*

## CONSTRUCTION CERTIFICATE

**CERTIFICATE NO:** CC140503-2

**Date of Certificate:** 7 December 2014

**Description of the Proposed development:** **GPPS & Neutralisation Pit**  
Associated with Water Recycling Plant

**Classification under the Building Code of Australia:** 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:**   
**Accreditation No:** BPB 1771  
**Accred:** Building Professionals Board

**CERTIFICATION**

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-G011 12rev B, 15 rev A, S01rev C S018 S019 S020S021 dated 20/11/14 & 21/11/14

**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-002

28<sup>th</sup> November 2014

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

Steve Merange  
Project Manager

Dear Sir,

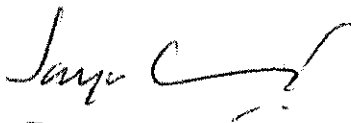
**Googong WRP Project – GPPS & Neutralisation Pit Structural Design  
Certificate of Compliance**

This is to certify that the GPPS & Neutralisation Pit Structural Design has 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 3735 – Concrete structures retaining liquids
- 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,



BUILDING A BETTER WORLD

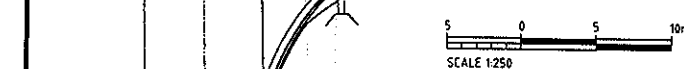
**Jaya Weerasinghe BSc(Eng),  
FIEAust, CPEng, NPER & RPEQ (Civil & Structural), MICE CEng  
Chief Engineer (Structural) Asia Pacific**

**NOTES**

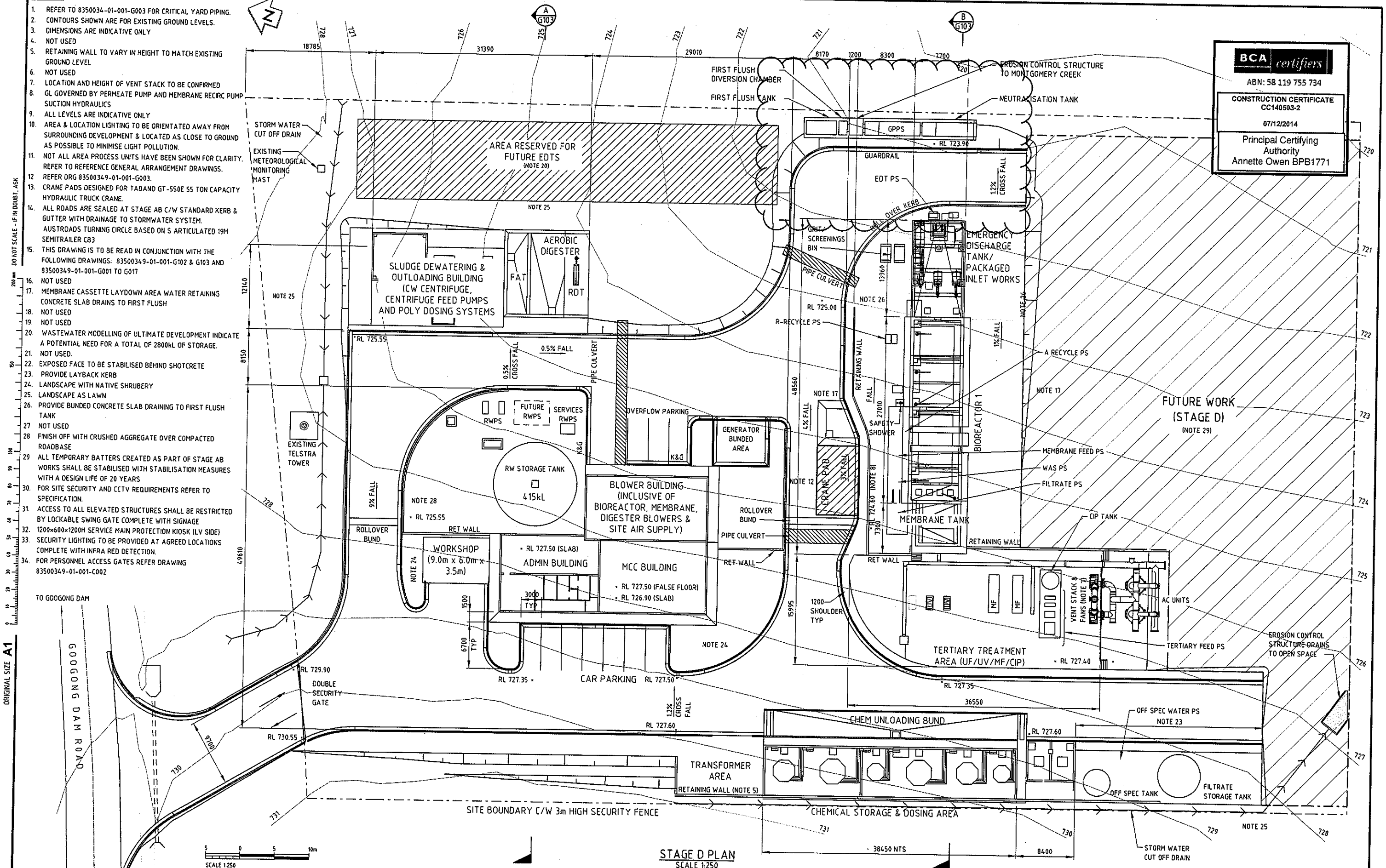
- REFER TO 8350034-01-001-G003 FOR CRITICAL YARD PIPING.
- CONTOURS SHOWN ARE FOR EXISTING GROUND LEVELS.
- DIMENSIONS ARE INDICATIVE ONLY
- NOT USED
- RETAINING WALL TO VARY IN HEIGHT TO MATCH EXISTING GROUND LEVEL
- NOT USED
- LOCATION AND HEIGHT OF VENT STACK TO BE CONFIRMED
- GL GOVERNED BY PERMEATE PUMP AND MEMBRANE RECIRC PUMP SUCTION HYDRAULICS
- ALL LEVELS ARE INDICATIVE ONLY
- AREA & LOCATION LIGHTING TO BE ORIENTATED AWAY FROM SURROUNDING DEVELOPMENT & LOCATED AS CLOSE TO GROUND AS POSSIBLE TO MINIMISE LIGHT POLLUTION.
- NOT ALL AREA PROCESS UNITS HAVE BEEN SHOWN FOR CLARITY. REFER TO REFERENCE GENERAL ARRANGEMENT DRAWINGS.
- REFER DRG 83500349-01-001-G003.
- CRANE PADS DESIGNED FOR TADANO GT-550E 55 TON CAPACITY HYDRAULIC TRUCK CRANE.
- ALL ROADS ARE SEALED AT STAGE AB C/W STANDARD KERB & GUTTER WITH DRAINAGE TO STORMWATER SYSTEM. AUSTRROADS TURNING CIRCLE BASED ON S ARTICULATED 19M SEMITRAILER CB3
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS: 83500349-01-001-G102 & G103 AND 83500349-01-001-G001 TO G017
- NOT USED
- MEMBRANE CASSETTE LAYDOWN AREA WATER RETAINING CONCRETE SLAB DRAINS TO FIRST FLUSH
- NOT USED
- NOT USED
- WASTEWATER MODELLING OF ULTIMATE DEVELOPMENT INDICATE A POTENTIAL NEED FOR A TOTAL OF 2800kL OF STORAGE.
- NOT USED.
- EXPOSED FACE TO BE STABILISED BEHIND SHOTCRETE
- PROVIDE LAYBACK KERB
- LANDSCAPE WITH NATIVE SHRUBBERY
- LANDSCAPE AS LAWN
- PROVIDE BUNDED CONCRETE SLAB DRAINING TO FIRST FLUSH TANK
- NOT USED
- FINISH OFF WITH CRUSHED AGGREGATE OVER COMPACTED ROADBASE
- ALL TEMPORARY BATTERS CREATED AS PART OF STAGE AB WORKS SHALL BE STABILISED WITH STABILISATION MEASURES WITH A DESIGN LIFE OF 20 YEARS
- FOR SITE SECURITY AND CCTV REQUIREMENTS REFER TO SPECIFICATION.
- ACCESS TO ALL ELEVATED STRUCTURES SHALL BE RESTRICTED BY LOCKABLE SWING GATE COMPLETE WITH SIGNAGE
- 1200x600x1200H SERVICE MAIN PROTECTION KIOSK (LY SIDE)
- SECURITY LIGHTING TO BE PROVIDED AT AGREED LOCATIONS COMPLETE WITH INFRA RED DETECTION.
- FOR PERSONNEL ACCESS GATES REFER DRAWING 83500349-01-001-C002

DO NOT SCALE - P IN DOUBT, ASK

ORIGINAL SIZE A1



**BCA certifiers**  
 ABN: 58 119 755 734  
**CONSTRUCTION CERTIFICATE**  
 CC140503-2  
 07/12/2014  
 Principal Certifying Authority  
 Annette Owen BPB1771



**STAGE D PLAN**  
SCALE 1:250

**NOT FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	BY	CHECKED	APP	GATE
0A	ISSUED FOR DETAILED DESIGN REPORT					
0	ISSUED FOR TENDER					
C	DRAFT ISSUE FOR TENDER					
B	DRAFT ISSUE FOR TENDER					
A	ISSUED FOR REVIEW					

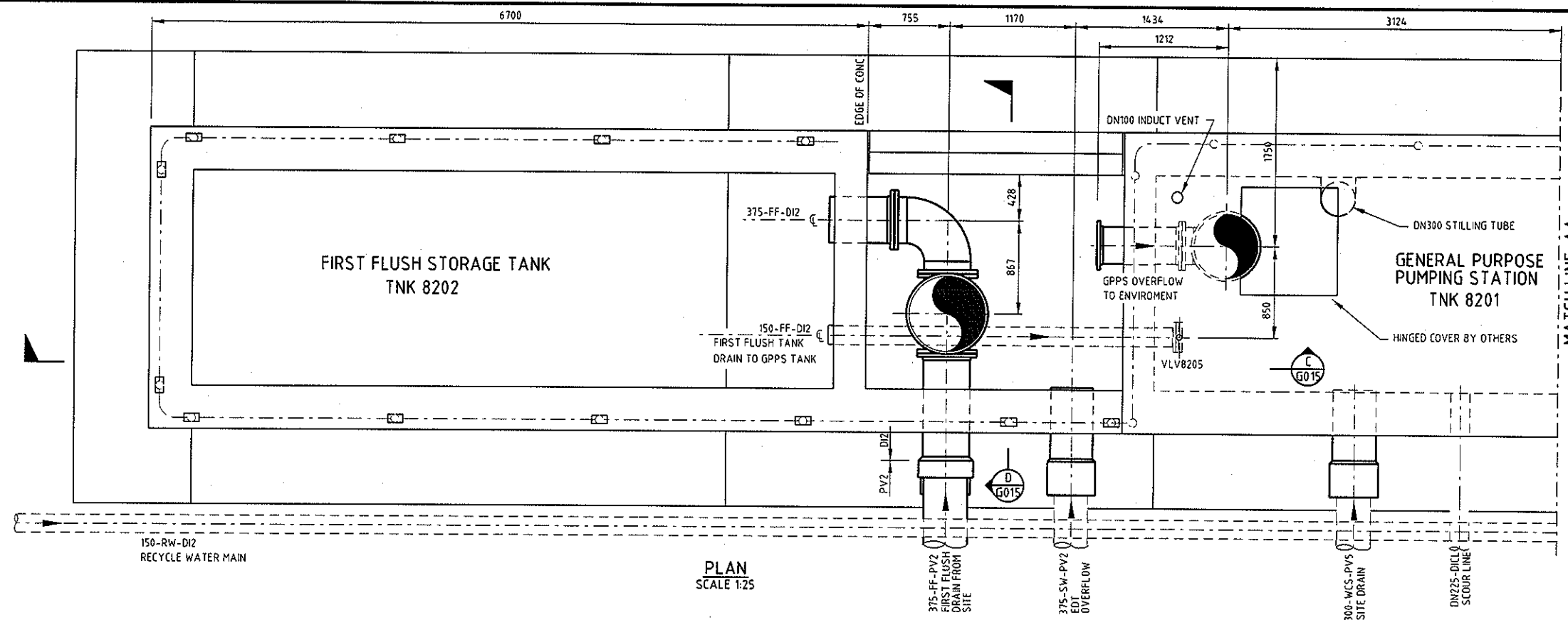
  

AG	SC	TS	RV	TB	CS	PC	PE	PC	CS	DRN	CHK	APP	GATE

**MWH**  
 Client: **GOOGONG**

**WATER RECYCLING PLANT**  
**GOOGONG TOWNSHIP**  
**STAGE AB LAYOUT PLAN**

Status Stamp	<b>FOR TENDER</b>
Date Stamp	11.08.14
Scale	AS SHOWN
Drawing No	83500349-01-001-G102
Rev	0A



PLAN  
SCALE 1:25

- NOTES:**
1. ALL FLANGES AND BACKING RINGS SHALL BE AS4087 PN16.
  2. ALL ABOVE GROUND uPVC SHALL BE PAINTED IN UV PROTECTIVE PAINT.
  3. FLYGT NP3085, DUTY/STANDBY
  4. FLYGT 1600 4x6x15, DUTY/STANDBY.
  5. ALL TANK HATCHES/COVERS SHALL BE McBERNS TYPE OR SIMILAR.
  6. DRILL DN40 HOLES AT 1.5m CENTERS 4 NO. IN TOTAL.
  7. FOR PENETRATION DETAILS REFER TO S107.

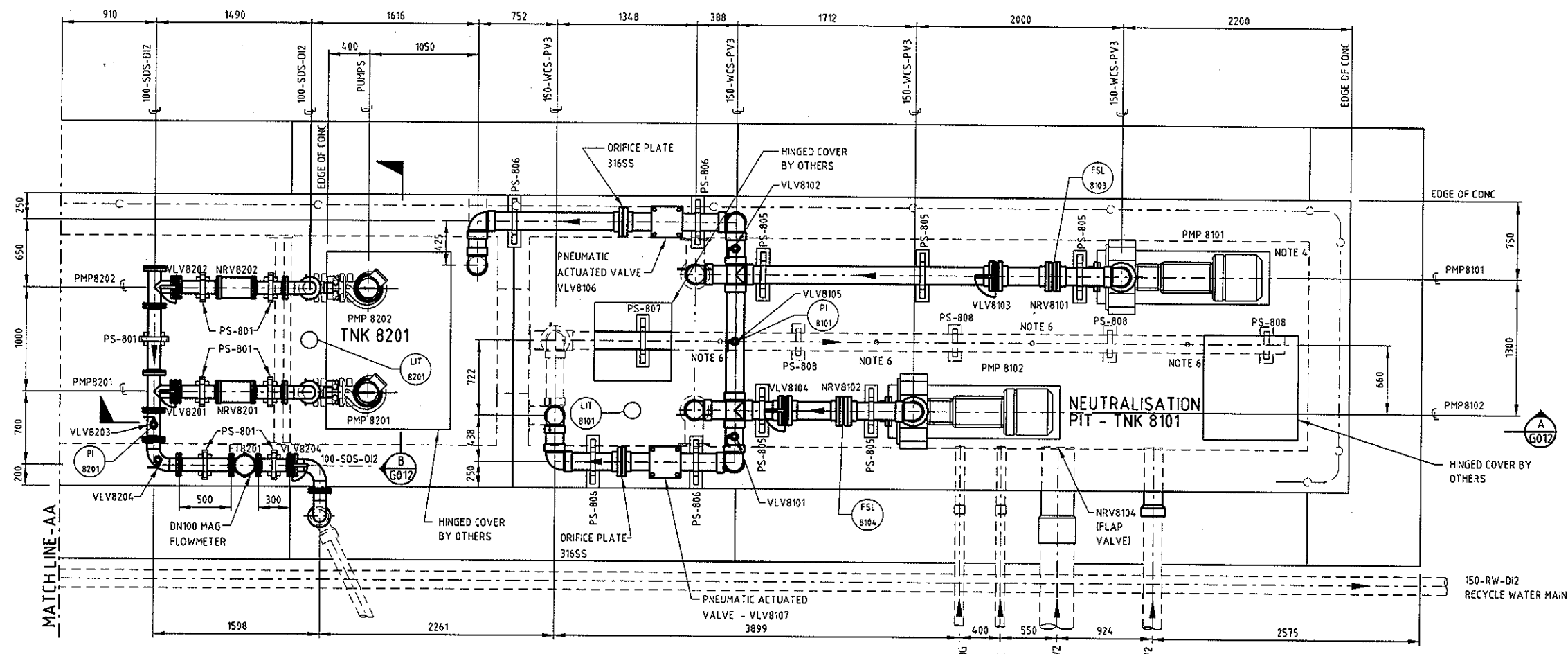
**BCA certifiers**

ABN: 58 119 755 734

CONSTRUCTION CERTIFICATE  
CC140503-2

07/12/2014

Principal Certifying  
Authority  
Annette Owen BPB1771



PLAN  
SCALE 1:25

- REFERENCE DRAWINGS:**
- 83502156-01-001-G001 COVER SHEET & DRAWING INDEX
  - 83502156-01-001-G012 GPPS & NEUTRALISATION PIT GA - SECTIONS SHEET 1
  - 83502156-01-001-G015 GPPS & NEUTRALISATION PIT GA - SECTIONS SHEET 2
  - 83502156-01-001-P181 PIPING & INSTRUMENTATION DRAWING NEUTRALISATION PIT
  - 83502156-01-001-P182 PIPING & INSTRUMENTATION DRAWING GENERAL PURPOSE PUMPING STATION
  - 83502156-01-001-G010 CRITICAL YARD PIPING KEY PLAN & LIMITS OF CONTRACT
  - 83502156-01-001-S017 GPPS FF NEUTRALISATION TANKS ROOF AND FLOOR PLANS
  - 83502156-01-001-M004 PIPE SUPPORT DETAILS SHEET 1

NOT FOR CONSTRUCTION

ORIGINAL SIZE A1



REV	DESCRIPTION	DATE	BY	CHK	APP	DATE
B	IFC FOR REVIEW	20.11.14	HS	RV	SC	20.11.14
A	ISSUED FOR 90% REVIEW	17.10.14	PTD	RV	SC	17.10.14
	REVISIONS		DRN	CHK	APP	DATE

SURVEYED		
DESIGNED		
DRAWN	Harpreet Singh	16.10.14
CAD REVIEW	Terry Sowden	17.10.14
DESIGN CHECK	Ran Viridi	17.10.14
DESIGN REVIEW	Ran Viridi	17.10.14
APPROVED	Stephen Chapman	20.11.14
PROF REGISTRATION:		



Client

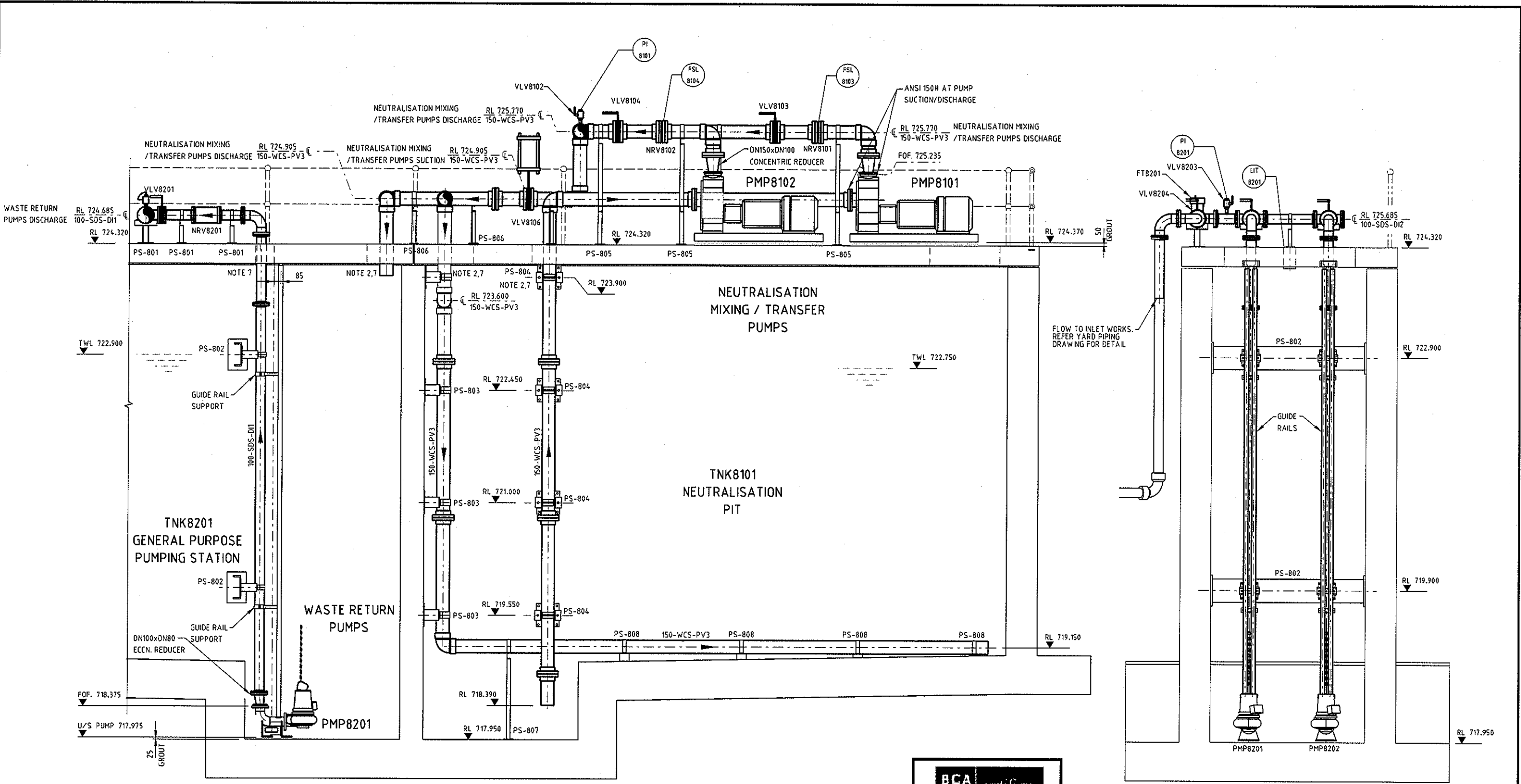
**GOOGONG WATER RECYCLING PLANT STAGE AB**

**GPPS & NEUTRALISATION PIT - GENERAL ARRANGEMENT PLAN**

Status Stamp	<b>FOR REVIEW</b>
Date Stamp	<b>20.11.14</b>
Scale	AS SHOWN
Drawing No.	<b>83502156-01-001-G011</b>
Rev.	<b>B</b>

ORIGINAL SIZE A1

DO NOT SCALE - IF IN DOUBT, ASK



SECTION A  
SCALE 1:25  
G011

SECTION B  
SCALE 1:25  
G011

**BCA certifiers**  
 A3N: 58 119 755 754  
 CONSTRUCTION CERTIFICATE  
 CC140503-2  
 07/12/2014  
 Principal Certifying  
 Authority  
 Annette Owen BPB1771

**NOTES:**  
 1. FOR NOTES REFER DRG 83502156-01-001-G011.

500 0 500mm 1m  
 SCALE 1:25

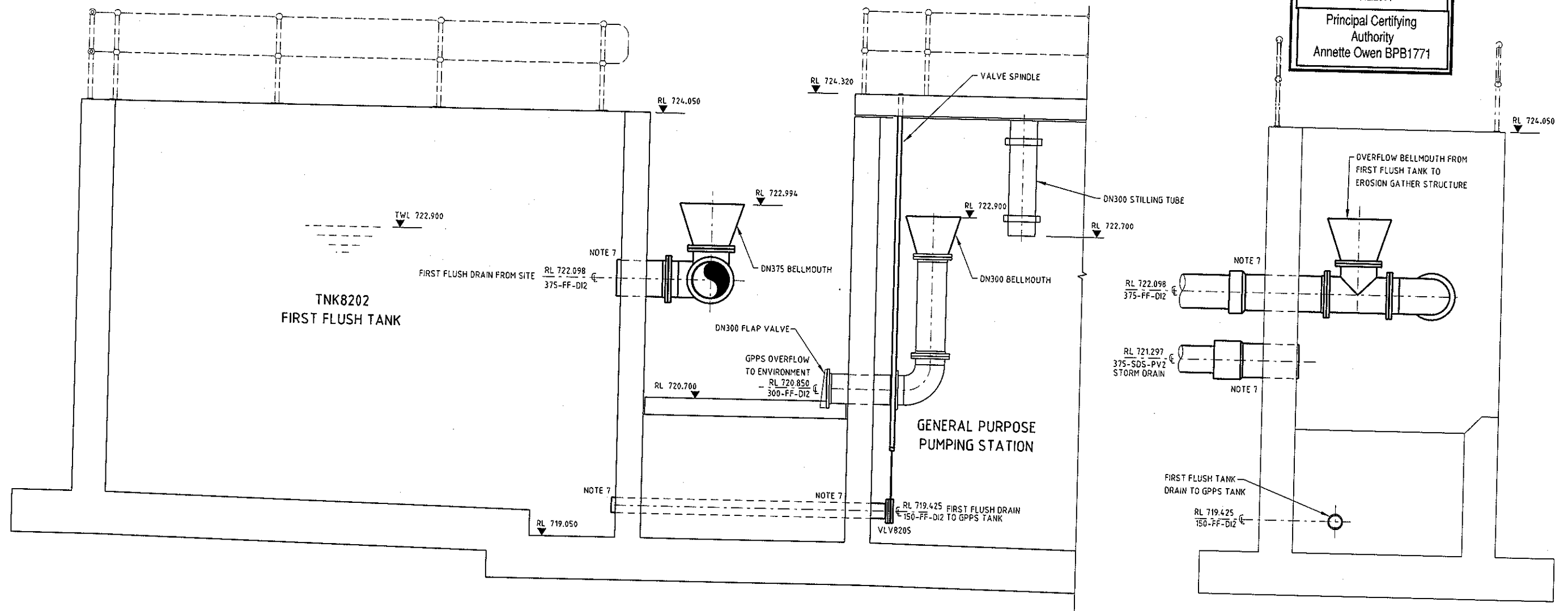
**NOT FOR CONSTRUCTION**

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<table border="1"> <tr><td>HS</td><td>RV</td><td>SC</td><td>20.11.14</td></tr> <tr><td>PTD</td><td>RV</td><td>SC</td><td>17.10.14</td></tr> <tr><td>DRN</td><td>CHK</td><td>APP</td><td>DATE</td></tr> </table>	HS	RV	SC	20.11.14	PTD	RV	SC	17.10.14	DRN	CHK	APP	DATE	<b>GPPS &amp; NEUTRALISATION PIT - GENERAL ARRANGEMENT</b> <b>SECTIONS - SHEET 1</b>	Date Stamp <b>20.11.14</b>									
HS	RV	SC	20.11.14																				
PTD	RV	SC	17.10.14																				
DRN	CHK	APP	DATE																				
Drawing No. <b>83502156-01-001-G012</b>				Scale: 1:25	Rev. <b>B</b>																		

ORIGINAL SIZE A1

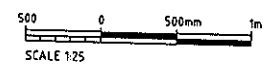
DO NOT SCALE - IF IN DOUBT, ASK

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 ABN: 58 119 735 734  
**CONSTRUCTION CERTIFICATE**  
 CC140503-2  
 07/12/2014  
 Principal Certifying Authority  
 Annette Owen BPB1771



SECTION C  
SCALE 1:25

SECTION D  
SCALE 1:25

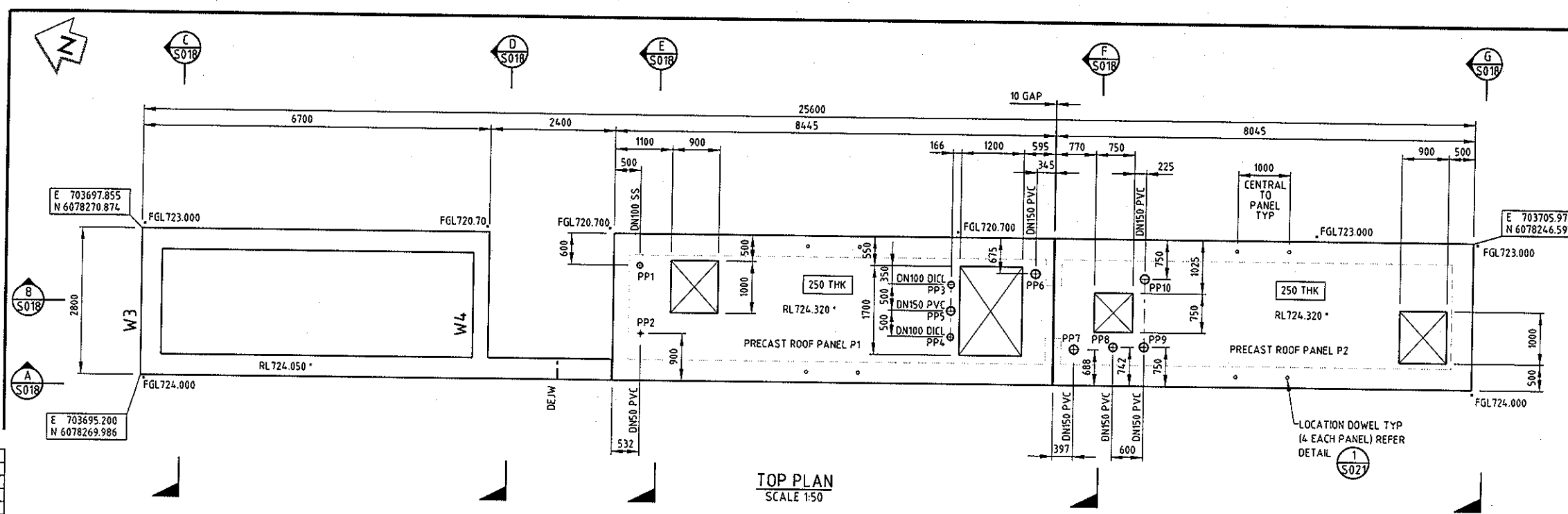


**NOTES:**  
 1. FOR NOTES REFER DRG 83502156-01-001-G011.

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A	20.11.14	Ran Virdi			IFC FOR REVIEW																								
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REV	DATE	BY	CHK	APP	DESCRIPTION																								

		<b>GOOGONG WATER RECYCLING PLANT STAGE AB</b>	<b>NOT FOR CONSTRUCTION</b>
		<b>GPPS &amp; NEUTRALISATION PIT - GENERAL ARRANGEMENT</b> <b>SECTIONS - SHEET 2</b>	<b>FOR REVIEW</b> Date Stamp: 20.11.14 Status: AS SHOWN Drawing No: 83502156-01-001-G015 Rev: A





- NOTES**
- FOR GENERAL NOTES REFER DRG G003 AND G004
  - FOR CONCRETE DETAILS REFER TO DRG. S001.
  - FOR PIPE PENETRATION DETAILS REFER DRG. S001
  - FOR JOINT DETAILS REFER TO DRG. S003.
  - GRADE OF CONCRETE SHALL BE S40.
  - ALL POLYTHENE/PLASTIC SHEETING JOINTS TO BE PROPERLY SEALED. THE POLYTHENE SHEETING SHOULD BE TAPED TO THE WALLS TO AVOID DISPLACEMENT DURING CONCRETE PLACEMENT. THE SHEETING ON THE WALLS TO BE TRIMMED IN LINE WITH THE SEALANT GROOVE INVERT OF THE ISOLATION JOINT BETWEEN WALLS AND MASS CONCRETE

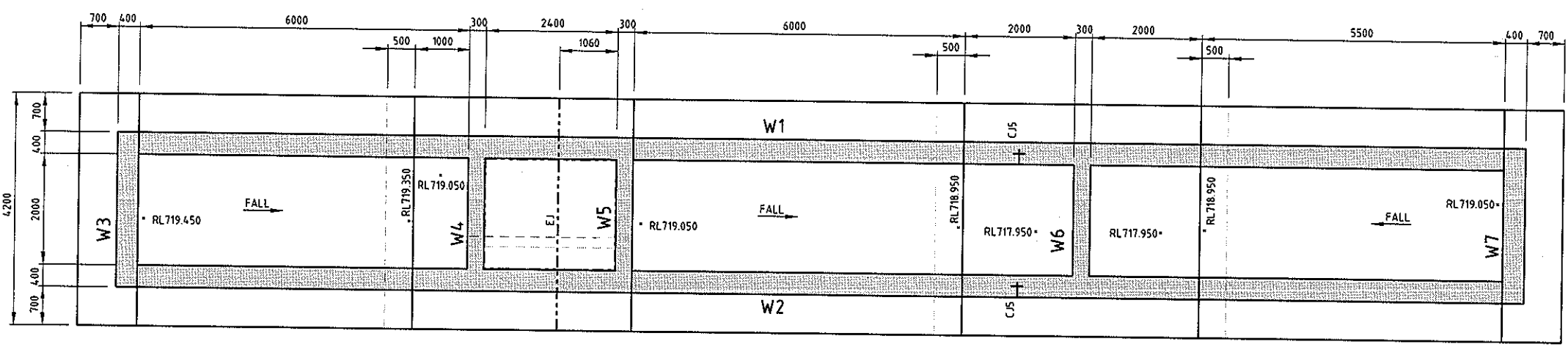
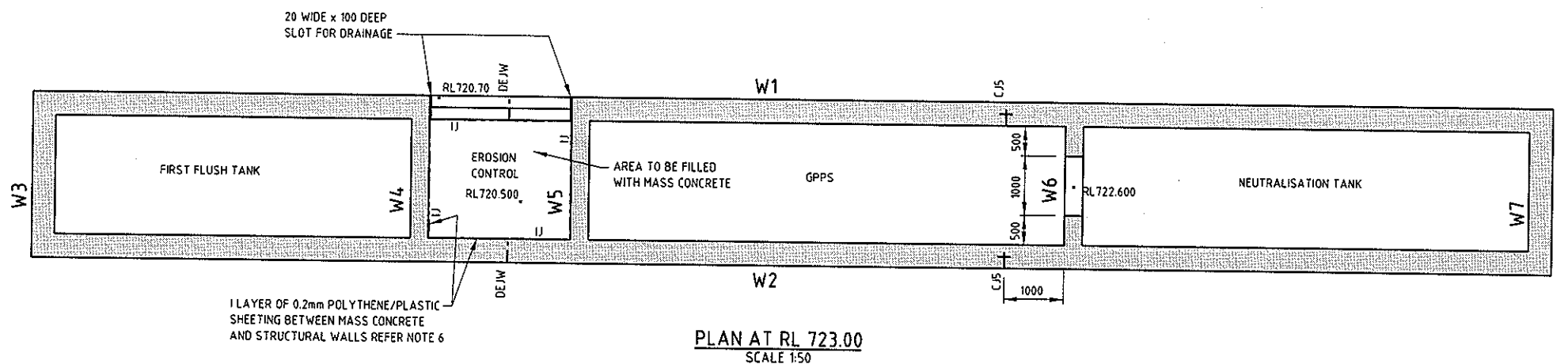
- REFERENCE DRAWINGS**
- G003 GENERAL NOTES SHEET 1 OF 2
  - G004 GENERAL NOTES SHEET 2 OF 2
  - S001 MISCELLANEOUS CONCRETE DETAILS SHEET -1
  - S002 MISCELLANEOUS CONCRETE DETAILS SHEET -2
  - S003 CONCRETE WATER RETAINING STRUCTURES JOINT DETAILS
  - S004 HANDRAIL DETAILS
  - G011 GPPS & NEUTRALISATION PIT - GENERAL ARRANGEMENT PLAN
  - G012 GPPS & NEUTRALISATION PIT - SECTIONS SHEET 1
  - G015 GPPS & NEUTRALISATION PIT - SECTIONS SHEET 1

**DESIGN LOADING TABLE**

STRUCTURE	COMPONENT	DESIGN LOAD COMBINATION
FIRST FLUSH TANK / EROSION CONTROL / GPPS / NEUTRALISATION TANKS	PRECAST ROOF	SELF WEIGHT + 5 kPa LIVE LOAD
	WALLS	EXTERNAL SOIL PRESSURE + EXTERNAL WATER PRESSURE (NO WATER INSIDE)

**CONCRETE COVER TO REINFORCEMENT**

CHAMBER	MEMBER	TOP	BOTTOM	SIDE		EXPOSURE CLASSIFICATION
				EXT	INT	
FIRST FLUSH TANK / EROSION CONTROL	WALLS	-	-	50	50	B1
	BASE	75	50	-	-	B1
GPPS / NEUTRALISATION TANKS	PRECAST ROOF	40	60	-	-	D
	WALLS	-	-	50	75	D
	BASE	75	50	-	-	D

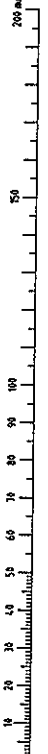


BASE SLAB TO BE DIRECTLY CAST ON BLINDING CONCRETE

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ORIGINAL SIZE A1

DO NOT SCALE - IF IN DOUBT, ASK



REV	REVISIONS	DRN	CHK	APP	DATE	PROF REGISTRATION
C	ISSUED FOR REVIEW	AG	AD	SC	21.11.14	
B	ISSUED FOR 90% REVIEW	MWS	AD	SC	03.10.14	
A	ISSUED FOR 90% REVIEW	MWS	AD	SC	26.09.14	

**NOT FOR CONSTRUCTION**

**GOOGONG WATER RECYCLING PLANT STAGE AB**

**GPPS FF NEUTRALISATION TANKS ROOF AND FLOOR PLANS**

**MWH**

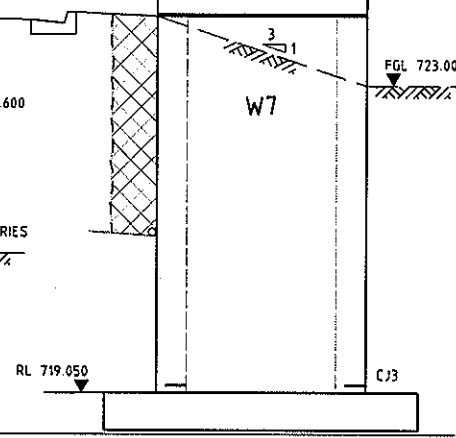
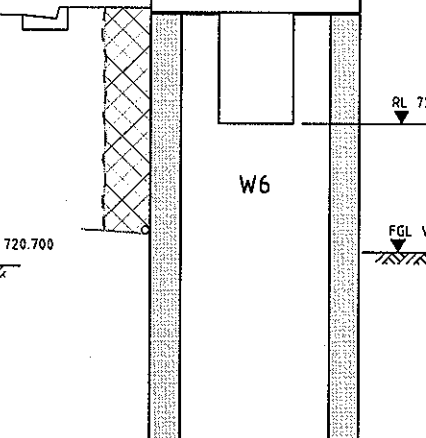
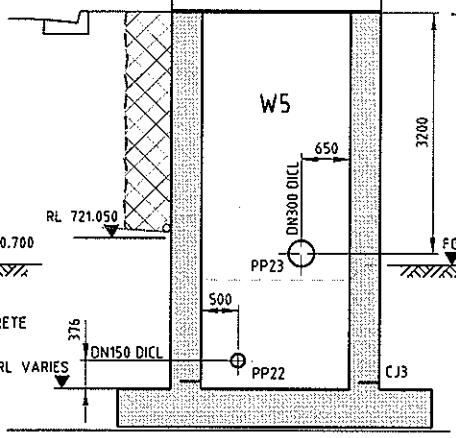
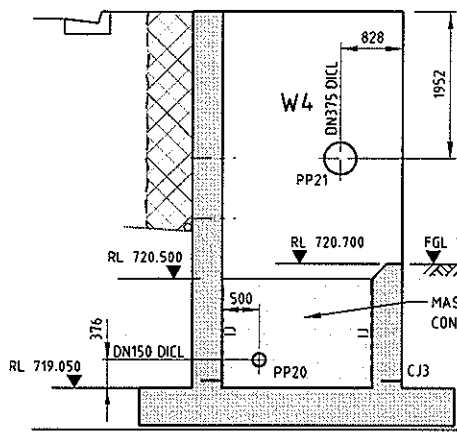
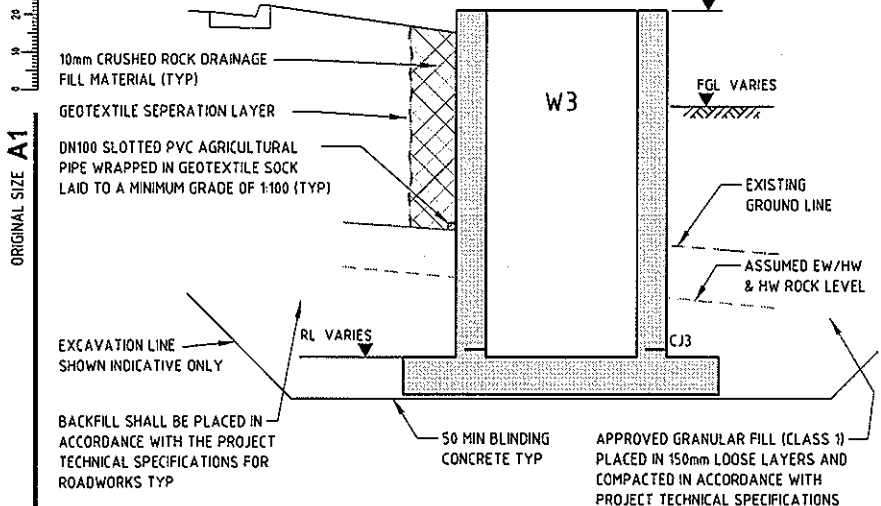
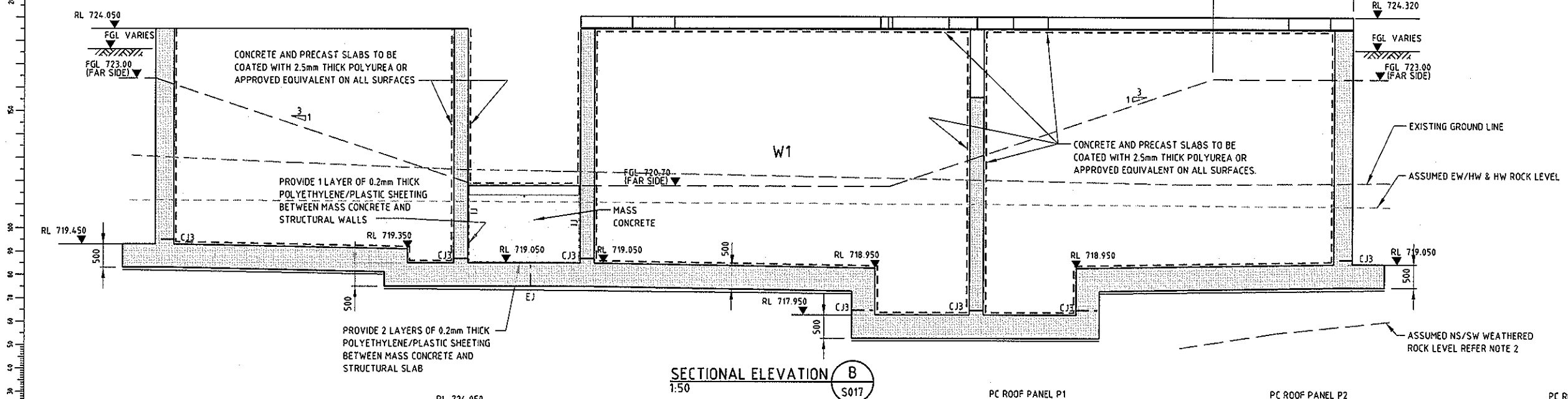
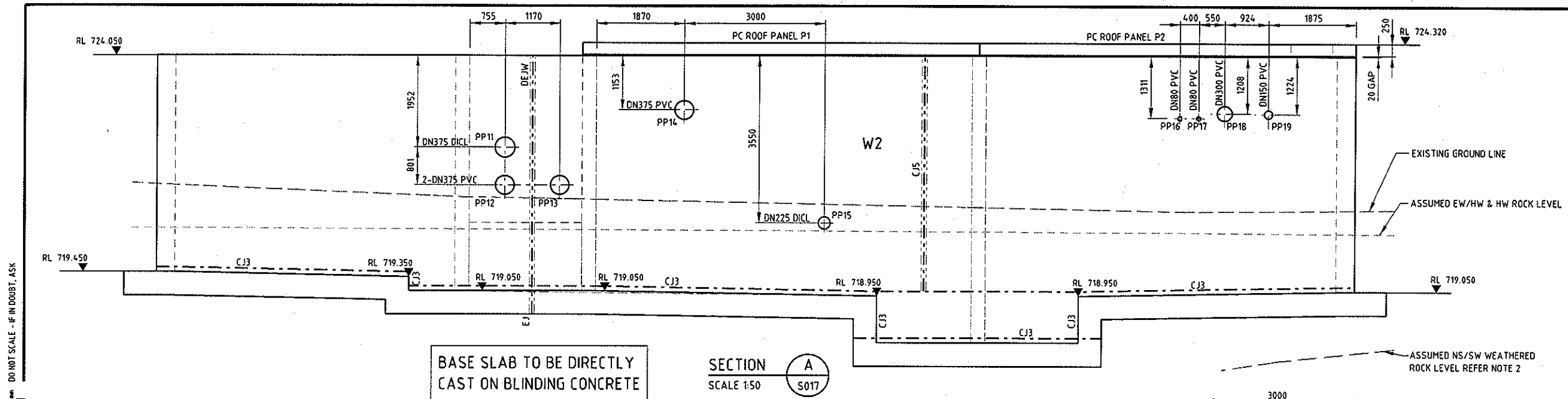
**GOOGONG**

Status Stamp: **FOR REVIEW**  
Date Stamp: **21.11.14**  
Scale: **AS SHOWN**  
Drawing No: **83502156-01-001-S017**

**NOTES**

- FOR NOTES AND REFERENCE DRAWINGS REFER DRG S017.
- THE NW/SW ROCK PROFILE SHOWN IS BASED ON LINEAR INTERPOLATION BETWEEN AVAILABLE BORELOGS. ACTUAL ROCK PROFILE MAY VARY. ANY VARIATION SHALL BE NOTIFIED TO THE SUPERINTENDENT FOR DESIGN VERIFICATION PRIOR TO CONSTRUCTION.

**BCA certifiers**  
 ABN: 58 119 755 734  
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SECTION C SCALE 1:50 S017

SECTION D SCALE 1:50 S017

SECTION E SCALE 1:50 S017

SECTION F SCALE 1:50 S017

ELEVATION G SCALE 1:50 S017

REV	DESCRIPTION	DATE	BY	CHK	APP
C	LIFE FOR REVIEW	21.11.14	AG	AD	SC
D	ISSUED FOR 90% REVIEW	21.11.14	MWS	AD	SC
A	ISSUED FOR 90% REVIEW	26.09.14	MWS	AD	SC

PROF REGISTRATION:	DATE
SURVEYED	
DESIGNED	Amogh Deshpande 24.09.14
DRAWN	Mark Schwarze 24.09.14
CAD REVIEW	Alan Gilbert 26.09.14
DESIGN CHECK	Amogh Deshpande 26.09.14
DESIGN REVIEW	Jaya Weerasinghe 26.09.14
APPROVED	Stephen Chapman 21.11.14



GOOGONG WATER RECYCLING PLANT STAGE AB  
 GPPS FF NEUTRALISATION TANKS  
 SECTIONS

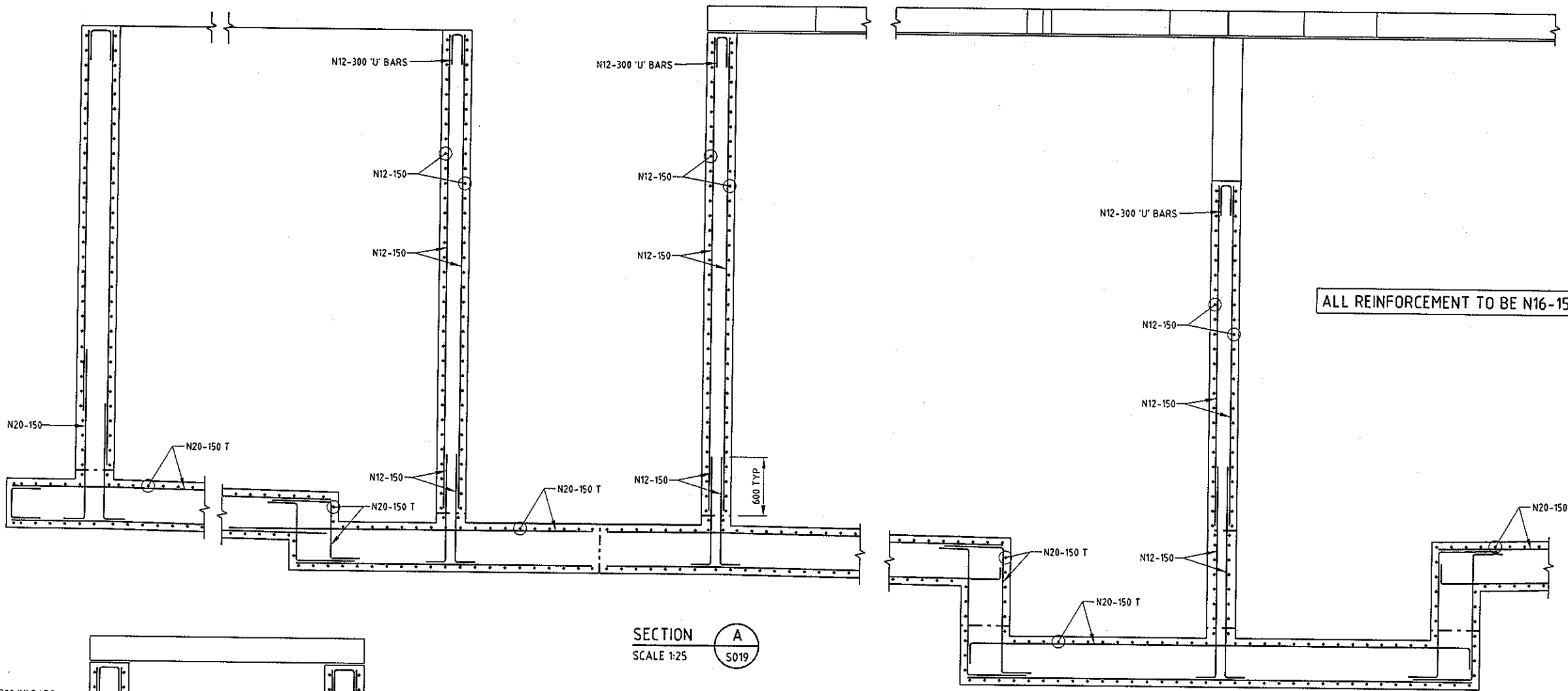
Status Stamp	FOR REVIEW
Date Stamp	21.11.14
Scales	AS SHOWN
Drawing No	83502156-01-001-S018
Rev	C



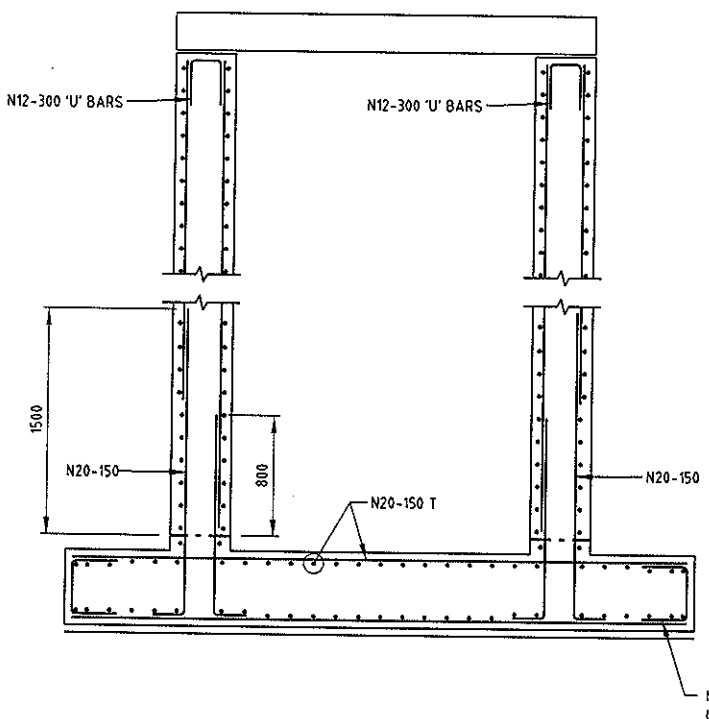
DO NOT SCALE - IF IN DOUBT, ASK

200 mm  
150  
100  
50  
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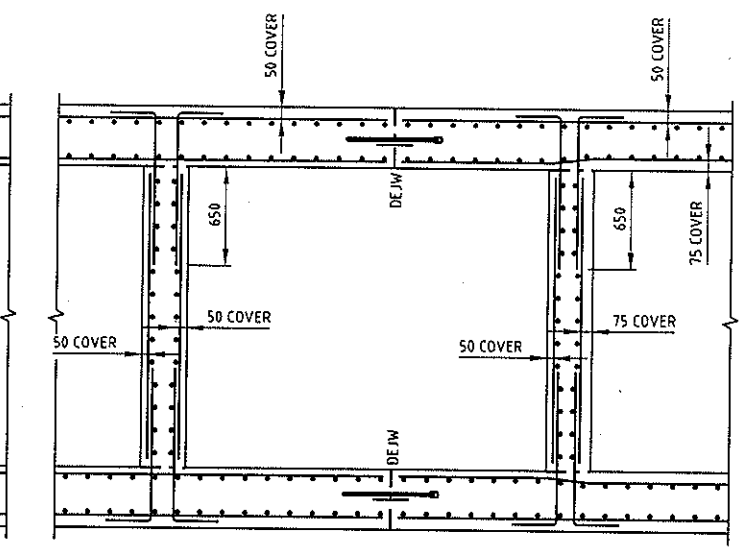
ORIGINAL SIZE A1



SECTION A  
SCALE 1:25  
S019



SECTION B  
SCALE 1:25  
S019



SECTION C  
SCALE 1:25  
S019

FOR REINFORCEMENT DETAILS, REFER PLANS, ELEVATIONS AND SECTIONS

ALL REINFORCEMENT TO BE N16-150 EW EF U

**BCA certifiers**  
 ABN: 58 119 755 734  
 CONSTRUCTION CERTIFICATE  
 CC140503-2  
 07/12/2014  
 Principal Certifying  
 Authority  
 Annette Owen BPB1771

NOTES

- 1. FOR NOTES AND REFERENCE DRAWINGS REFER DRG 83502156-01-001-S017

REV	DESCRIPTION	DRN	CHK	APP	DATE
C	IFC FOR REVIEW				
B	ISSUED FOR 90% REVIEW				
A	ISSUED FOR 90% REVIEW				

SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Amogh Deshpande	Mark Schwarze	Alan Gilbert	Amogh Deshpande	Jaya Weerasinghe	Stephen Chapman
	26.09.14	26.09.14	26.09.14	26.09.14	26.09.14	21.11.14



GOOGONG WATER RECYCLING PLANT STAGE AB  
 GPPS FF NEUTRALISATION TANKS  
 REINFORCEMENT DETAILS SHEET 2

NOT FOR CONSTRUCTION

Status Stamp	FOR REVIEW
Date Stamp	21.11.14
Scales	AS SHOWN
Drawing No.	83502156-01-001-S020
Rev	C





# REPORT ALL INCIDENTS TO THE ENVIRONMENT MANAGER

## RELEVANT TOOLBOXES/TRAINING TO BE COMPLETED

1. Erosion and Sediment Control
2. Air Quality
3. Cultural Heritage
4. Noise and Vibration
5. Spill Response

Have you attended the above toolbox talks?

## CONTACTS

Project Environmental Manager:

Sen Keomongkhoun—0459 809 201

Supervisor:

David Penno— 0427 055 016

Project Manager:

Steve Merange— 0420 395-388

Do not enter any area outside of the project boundary

### Overarching Controls

- Place all spill kits in locations as per this SEP map
- Turn off all plant when not in use
- Segregate, recycle and minimise waste
- Keep to designated access roads and speed limits
- Work inside of approved hours
- Minimise use of plant/equipment near residents
- All plant and equipment must be clean on arrival—free of weeds and seeds
- Notify the project manager of any complaints received
- No mud to be tracked outside the site area

### Flora and Fauna

- No clearing outside project boundary
- No clearing within No Go areas unless approved
- Minimise disturbance areas
- Report injured fauna to PER
- Progressively revegetate disturbed areas

### Concrete Works

- Washout at designated areas only (area to be bunded and lined)

### Excavation & Trenching

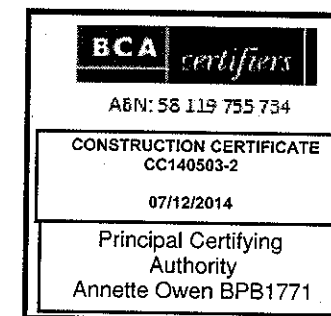
- Use dust suppression measures
- Repair any damaged erosion and sediment controls
- Segregate and stockpile significantly different material
- Imported material must be verified clean, weed and ASS free
- Clearly sign areas of contamination
- Notify Environment Manager of any unusual finds (odours, discoloured soil, asbestos, remains, suspected artefacts)
- No dewatering or pumping without Environment Manager approval
- No works within No Go areas

### Incident Response

- Spills: Control source, contain spill, clean up, dispose of waste, Restock spill kits
- Report all incidents to supervisor

### Hazardous Substances

- Place generators in bunds— refuel at designated areas only
- Store all chemicals in bunded storage
- Segregate all contaminated and regulated waste
- Collect all waste dockets/waste transport certificates and forward to Environment Manager
- Obtain approval from PER prior to bringing hazardous substances on site





### Key Environmental Risks & Controls

No works or access is permitted outside the red project boundary

#### SURFACE AND GROUND WATER:

- Hazardous substances must be stored correctly to prevent spills
- No water to be pumped without a pumping permit

#### SOIL AND LAND:

- Stockpiles to be stabilised
- ERSED controls to be installed as per this SEP

#### FLORA AND FAUNA:

- No vegetation to be cleared without a permit
- Any fauna sightings to be reported to the Environment Manager

#### HERITAGE:

- Unexpected finds to be reported immediately and works to cease

#### AIR QUALITY:

- Dust suppression measures must be used to prevent impacting nearby residents

#### NOISE AND VIBRATION:

- Working hours are 7am to 6pm M-F; 8am—1pm Sat
- No works Sundays or Public Holidays
- No works outside these areas
- No idling or parking outside residential properties






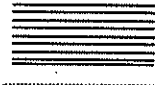
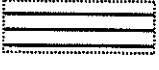







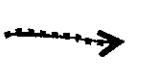




#### TRAFFIC:

- Parking only within designated areas
- Approved heavy vehicle routes to be used

#### WASTE:

- All waste to be put in bins provided

**BCA certifiers**  
 ABN: 58 119 755 734  
 CONSTRUCTION CERTIFICATE  
 CC140503-2  
 07/12/2014  
 Principal Certifying Authority  
 Annette Owen BPB1771

Legend	
	Project Boundary
	Sensitive Receiver
	Water Course
	Site Office and Amenities
	Workshop and Storage
	Parking
	Stabilised Site Access
	Hazardous Chemical Store
	Heritage Site
	Spill Kit
	Sediment Basin
	Topsoil-Stockpile
	Fill Stockpile
	Sediment Fence
	Flow Direction
	Weather Station
	Laydown Area
	Googong Fore shores Area
	No Access

N  
Not to scale

Position & Name	Signature	Date
Project Manager Steve Merange		
Supervisor David Penno		
Construction Mgr Sarah McNish		
Environment Mgr Sen Keomongkhoun		