

COUNCIL RESOLUTION - 30/08/2018

IN-CONFIDENCE

3.2 Tender - Caroline Landfill Cell 3C Construction - Report No. AR18/34301

COUNCIL RESOLUTION

- (a) Council Report No. AR18/34301 titled '*Tender - Caroline Landfill Cell 3C Construction*' as presented to the Council on 30 August 2018 be noted.
- (b) That Council accept the tender from BMD Construction for the construction of Cell 3C Caroline Landfill for the lump sum fee of \$791,769.39 + GST.
- (c) That Council engage Environmental consultants AECOM to prepare the 3rd party Quality Assurance (QA) Plan as required by the South Australian Environmental Agency.

Moved: Cr Von Stanke

Seconded: Cr Richardson

Carried

3.1 Consideration for Exclusion of the Public

Cr Persello entered the meeting at 5.32 p.m.

Item No. 3.2

The following Agenda Item be received, discussed and considered in confidence by excluding the public pursuant to Section 90(2) of the Local Government Act 1999, and an order be made that the public (with the exception of Mayor A Lee, Councillors - C Greco, M Lovett, F Morello, S Perryman, H Persello, P Richardson and I Von Stanke and Council Officers - B Cernovskis, P Lee, J Nagy and N Serle and M McCarthy) be excluded from the meeting in order for the Agenda Item 1 - Tender AF18/291 - Report No. AR18/34301 Caroline Landfill Cell 3C to be considered in confidence.

The Council is satisfied that, pursuant to section 90(3)(k) of the Act the information to be received, discussed or considered in relation to this Agenda Item are tenders for:

- supply of goods, and
- the provision of services, and
- the carrying out of works.

The tender relates to the construction of part of Cell 3C at the Caroline Landfill.

The Council is satisfied that the principle that the meeting be conducted in a place open to the public has been outweighed in the circumstances because the information to be considered contains tender pricing from contractors.

Item No.	Subject Matter	S90(3) Grounds
3.2	Tender - Caroline Landfill Cell 3C Construction - Report No. AR18/34301	(k)

Moved: Cr Greco

Seconded: Cr Von Stanke

Carried

REPORT TITLE

**Tender - Caroline Landfill Cell 3C Construction -
Report No. AR18/34301**

COMMITTEE	Council
MEETING DATE:	30 August 2018
REPORT NO.	AR18/34301
RM8 REFERENCE	AF18/291
AUTHOR	Daryl Morgan
SUMMARY	This report deals with the recent public tender for the construction of cell 3C at Caroline Landfill. The works form part of Council's 2018/19 works program and have been budgeted for to the value of \$1M. The recommended conforming tender received from BMD Construction falls within Council's budget.
COMMUNITY PLAN REFERENCE	Goal 2: Our Location

REPORT RECOMMENDATION

- (d) Council Report No. AR18/34301 titled '*Tender - Caroline Landfill Cell 3C Construction*' as presented to the Council on 30 August 2018 be noted.
- (e) That Council accept the tender from BMD Construction for the construction of Cell 3C Caroline Landfill for the lump sum fee of \$791,769.39 + GST.
- (f) That Council engage Environmental consultants AECOM to prepare the 3rd party Quality Assurance (QA) Plan as required by the South Australian Environmental Agency.

Background

Council has an allocation of \$1M in its 2018/19 budget for the construction of part of Cell 3C - Caroline Landfill. Typically, landfill tenders are considered by Council in September in order to allow the construction works to occur over the summer period due to the difficulties of working with clay materials in wet weather. This type of work requires the contractor to maximize the use of the suitable dry weather in order to guarantee completion of the project.

The budget allocation was determined based on previous works at Caroline landfill and predicted pricing increases for the various components of works that are relevant to this tender. The square metre rate for clay construction from last tender period was used as a base rate and then a percentage was applied to take into account increases in the following components;

- materials (clay, soil, subsoil)
- labour
- plant hire
- fuel
- mobilisation
- engineering requirements

The works involve the preparation and placement of a 0.6m compacted clay layer together with a leachate drainage layer. Part of the clay lined cell (0.4m layer thickness) was previously placed as part of the initial Cell 3A works that occurred approximately 5 years ago and this tender will complete the construction of cell 3C.

Council has recently called tenders from suitably qualified contractors, for the construction of the cell as per the requirements of the South Australian Environment Protection Agency (SAEPA) for landfill construction.

In addition to the works of this contract, Council is also required as part of the license conditions for landfill construction works, to engage an independent geotechnical consultant to undertake level 1 supervision for all construction works, as well as prepare a Quality Assurance report (by a 3rd party) to the satisfaction of the SAEPA.

Tenders were advertised on the SA Tenders and contracts website, the Council's website and also in the local newspaper, for the construction works.

At the close of tenders two conforming tenders were received from local earth moving company Gambier Earth Movers and also from Adelaide based company BMD Construction.

Discussion

A tender assessment was undertaken on all tenders using Council's tender assessment form.

A summary of the tenders and tender assessments are provided in the attachment to this report but the table below is a summary of the details.



Tender Evaluation Scores

Name of Tenderer	Evaluator 1	Evaluator 2	Evaluator 3	Average Score	Ranking
BMD Constructions Pty Ltd	105	108	105	106	2
Gambier Earth Movers Pty Ltd	126	112.5	115	118	1

Pricing

Name of Tenderer	Total
BMD Constructions Pty Ltd	\$791,769.39
Gambier Earth Movers Pty Ltd	\$889,414.93

Value for Money

Name of Tenderer	Tendered Value exc GST (TV)	Evaluation Score (ES)	TV ÷ ES = Value for Money	Final Ranking
BMD Constructions Pty Ltd	\$791,769.39	106	7469.52	1
Gambier Earth Movers Pty Ltd	\$889,414.93	118	7537.41	2

Comments on Tenderers:

Gambier Earth Movers are extremely experienced in landfill construction and capping works and have previously completed cell 1,2,3A,3B construction and cell 1 and 2 capping works at Caroline Landfill and are suitably resourced to complete these works as per the tender requirements.

GEM are also familiar with working with clay in this form of civil construction which is something that is not evident with the tender submitted from BMD construction.

Whilst the BMD construction tender is cheaper, there are significant risks to Council if the lead contractor is not experienced with building clay lined landfill cells. Council cannot afford to have Cell 3C completion delayed beyond this financial year and the risks involved with an inexperienced landfill construction contractor could result in significant delays.

BMD Construction are suggesting an alternative method of constructing the clay liner by using compactors in lieu of graders and pad foot rollers. This is potentially where the price difference is between the two tenders.

Very fine tolerances are required when building clay lined landfill cells and the method proposed by BMD constructions has not been employed at Caroline landfill previous to this contract.

Should BMD Construction be awarded the contract the risks identified with utilizing BMD Construction will need to be closely monitored by Council Officers and suitable action taken early in the project should issues arise to ensure the completion of cell 3C is not delayed beyond this financial year.

In previous projects, Council has engaged local contractor Southern Testing Laboratories to undertake the level 1 supervision component of the works on an hourly rate. Whilst this process has proven very effective and has satisfied the SAEPA in regards to independent supervision of landfill works, this tender has now involved this component of the works to form part of the overall tender. The tenders received from both Gambier Earth Movers and BMD Constructions is recommending the engagement of Southern Testing as a subcontractor so this new arrangement will provide the same outcome.



Council has also utilised the services of its landfill consultant AECOM (formerly URS who are on Councils prequalified contract register) to undertake the preparation of the QA report. AECOM are extremely experienced in this form of work, have the site history and have a good relationship with the SAEPA. Given AECOM also prepare the ground water monitoring reports for Council on the landfill sites, and they understand the complexities of the site, it will be recommended that Council engage AECOM to prepare the QA report for this project.

The likely cost of this component of works is approximately \$45,000

Conclusion

Given that the conforming tender submission from BMD Construction for Tender AF18/291 Capping of Cell 3C Caroline Landfill is within budget and the tender assessment final ranking of BMD Constructions tender was number one, it will be recommended that Council enter into a contract with BMD Construction for the construction of Cell 3C Caroline Landfill under the terms and conditions set out in Tender AF18/291, and also engage AECOM to prepare the Quality Assurance report in order to satisfy the SA EPA requirements.

Attachments

Attachment 1 (AR18/34658): Tender Submission
Attachment 2 (AR18/34676): Tender Submission
Attachment 3 (AR18/35161): Tender Assessment



Daryl MORGAN
MANAGER ENGINEERING DESIGN AND CONTRACTS



Nick SERLE
GENERAL MANAGER CITY INFRASTRUCTURE

27 August 2018
DM



3.3 Consideration for keeping Items Confidential

That an order be made pursuant to Section 91(7) and recorded in the publicly released version of the minutes in accordance with Section 91(9) of the Local Government Act, 1999 that the document in relation to Item 1 which has been considered by the Council on a confidential basis pursuant to Section 90(3) be kept confidential.

Item No.	Subject Matter	S90(3) Grounds	Element To Be Kept Confidential	Duration
3.2	Tender - Caroline Landfill Cell 3C Construction	(k)	All details	Until matter has been considered by Council.
			Report, resolution and attachments.	Until a contract is executed with the successful tenderer
			Contract Value and name of successful tenderer to be released immediately following decision by Council.	

Moved: Cr Lovett

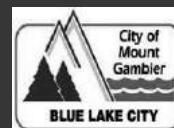
Seconded: Cr Greco

Carried

GAMBIER EARTH MOVERS Pty Ltd

Tender Submission to:

City of Mount Gambier



10 Watson Terrace (PO Box 56), MOUNT GAMBIER, SA, 5290

CONFIDENTIAL

TENDER No: AF18/291 Caroline Landfill Development Construction of Cell 3C



Phone (08) 8725 4093
www.gem-group.com.au



Our ref: 180741BD

24/08/2018

City of Mount Gambier

Attention: Mr Daryl Morgan

**RE: CONFIDENTIAL – TENDER AF18/291 – Caroline Landfill Development
Construction of Cell 3C.**

Thank you for the opportunity to provide a tender for the Caroline Landfill Development, Construction of Cell 3C.

The following documentation has been included as part of the Tender Submission:

- Items of Note and General Conditions of Tender
- Completed Tender Forms and Schedules (Schedules 1-16).
- Schedule Attachments
 - Schedule 4 – Licences and Accreditation Attachments
 - Schedule 6 – Work Health Safety and Risk Management Attachments
 - Schedule 7 – Environmental Management Systems Attachments
 - Schedule 8 – Quality Systems Attachments
 - Schedule 13 – Organisation Structure, Facilities and Resources Attachments
 - Schedule 16 – Implementation Schedule and Transition Plan Attachments

Items of Note and General Conditions of Tender

- NO ALLOWANCE has been made to remove an existing ponded/pooled water from site. It is expected that the client shall make every reasonable effort to ensure that any ponded rainfall runoff, ponded seepage water and excess leachate has been removed and the substrata (Clay Liner) is of a moisture content which facilitates the commencement of works at the time of mobilisation.
- NO ALLOWANCE has been made for hard rock in costings for ANY excavations. Hard rock is interpreted by Gambier Earth Movers as material found in ledges, masses, boulders, bedded deposited and/or conglomerate deposits that cannot be efficiently removed via commonly accepted bulk excavation methods (i.e. via a 20T excavator bucket or ripper tyne, or Komatsu 275 Dozer tynes or equivalent) and requires a rock breaker, jack hammer, rock drilling and/or blasting. If hard rock is encountered Gambier Earth Movers will immediately notify the client/superintendent and a variation will be sought for the additional work(s) required at the rate given in the Schedule of Unit Rates and Quantities.

GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291
Caroline Landfill Development
Construction of Cell 3C



- NO ALLOWANCE has been made for the removal of groundwater in the any of the excavations required for the project completion due to unknown ground strata and water table depth.
- NO ALLOWANCE has been made to retest source materials to be used in the construction prior to mobilisation. Gambier Earth Movers Pty Ltd shall provide every assistance to the client to obtain samples for testing upon request. The cost for these tests shall be covered by the principle as part of the Level 1 Supervision.
- ALLOWANCE has been made to stockpile the excavated interim material fill from Cell 3C to the South of work area, on the existing stockpile.
- ALLOWANCE has been made to stockpile clay to be used in the clay liner construction to the western side of the work area
- ALLOWANCE has been made for 5 days of lost time due to extreme weather events in this tender schedule / construction time frame.
- Gambier Earth Movers Pty Ltd shall make every reasonable effort to ensure clay source is accessible and clay usable prior to mobilisation from proposed excavation site. Should this become a schedule / time frame issue Gambier Earth Movers Pty Ltd shall discuss with the City of Mount Gambier Representative at the earliest possible convenience.

We trust our tender submission meets with your approval. However if you have any queries regarding our submission, please do not hesitate to contact me (08) 8725 4093 or 0423 647 610.

Yours faithfully

GAMBIER EARTH MOVERS PTY LTD

A handwritten signature in black ink, appearing to read 'Adam Maywald', written in a cursive style.

Adam Maywald

Engineering Manager



SCHEDULES

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1. Tender Form – Formal Offer
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4. Licences & Accreditation
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9. Industrial Relations Record
10. Conflict of Interest
11. Referees
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13. Organisation Structure, Facilities and Resources
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1. **Section E – Tender Response Schedules**

Schedule 1	Tender Form – Formal Offer
Schedule 2	Tenderer's Details
Schedule 3	Financial Capacity
Schedule 4	Licences and Accreditation
Schedule 5	Insurance
Schedule 6	Work Health Safety and Risk Management
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Schedule 1 Tender Form – Formal Offer

I/We **Gambier Earth Movers Pty Ltd** on **24th August 2018** (Date)



having read, understood and fully informed myself/ourselves/itself of the contents, requirements and obligations of the Request for Tender, do hereby tender to provide and complete the Services described in the Specifications, as per RFT in accordance with the Contract for the amounts set out in the Tender Return Schedules attached.

The Tenderer:

1. is subject to the terms and conditions set out in the Conditions of Tendering;
2. irrevocably offers to perform the Services on the terms of the Contract and the Specifications, as per RFT which form part of the Tender Documents subject only to the variations set out in Schedule 12;
3. confirms that this Tender has been prepared without any consultation, communication, agreement or other arrangement with any competitor regarding:
 - 3.1 prices or methods, factors or formulae used to calculate prices;
 - 3.2 the intention or decision to submit a Tender, or the terms of the Tender;
 - 3.3 the submission of a Non Conforming Tender; and
 - 3.4 the quality, quantity, specifications or particulars of the Services; and
4. holds this offer open and capable of acceptance by the Council for a period of 90 days from the closing date.

The undersigned undertakes that if selected as the successful Tenderer, I/we/it will execute and be bound by the Contract in accordance with the Conditions of Tendering.

If the Tenderer is a company, it must execute this Tender as follows:

Executed by Gambier Earth Movers Pty Ltd		pursuant to section 127 of the <i>Corporations Act 2001</i>	
<hr/> Signature of Director		<hr/> Signature of Director/Company Secretary <i>(Please delete as applicable)</i>	
<hr/> Name of Director (print)		<hr/> Name of Director/Company Secretary (print)	
OR			
<hr/> Signature of Sole Director and Sole Company Secretary			
<hr/> Name of Sole Director and Sole Company Secretary (print)			
OR			
Signed for Mr Denis Hann		by an authorised representative in the presence of:	
<hr/> 		<hr/> 	
Signature of witness		Signature of authorised representative	
Mr Brian Duncan		Mr Denis Hann	
<hr/> Name of witness (print)		<hr/> Name of authorised representative (print)	
		General Manager	
		<hr/> Position of authorised representative (print)	

If the Tenderer is an individual, the document must be executed as follows:

Signed by [insert name] in the presence of:	
..... Signature of witness Tenderer
..... Name of witness (print)	

If the Tenderer is a partnership, the Tender must be executed as follows:

Partner 1:

Signed sealed and delivered by [insert name] in the presence of:	
..... Signature of witness Signature of partner
..... Name of witness (print)	
..... Address of witness (print)	

Partner 2:

Signed sealed and delivered by [insert name] in the presence of:	
..... Signature of witness Signature of partner
..... Name of witness (print)	
..... Address of witness (print)	

Schedule 2 Tenderer's Details

<p>1. Name of Tenderer</p> <p>State in full the name(s) of the person(s) or the registered name(s) of the company(s) and trading names.</p> <p>ABN number:</p>	<p>Gambier Earth Movers Pty Ltd</p> <p>93007644126</p>
<p>2. Contact person</p> <p>Nominate a contact person for this tender to deal with any questions or queries that may arise.</p>	<p>Brian Duncan Project Engineer</p>
<p>3. Registered address</p>	<p>29 Avey Road Mount Gambier SA, 5290</p>
<p>4. Postal address</p>	<p>Po Box 378 Mount Gambier SA 5290</p>
<p>5. Telephone</p>	<p>(08) 8725 40 93</p>
<p>6. Email</p>	<p>admin@gem-group.com.au</p>
<p>7. Bank Details</p> <p>Name of Trading Bank: Branch: Account Name: BSB Number: Account/IBAN Number:</p>	<p>Commonwealth Bank Australia Mount Gambier Gambier Earth Movers Pty Ltd 065 504 1004 0896</p>
<p>8. Tender conditions</p> <p>Tenderer to sign that it has read and understood this RFT and the Conditions of Tender.</p>	<p><i>Brian Duncan</i></p>
<p>9. Amendments to Tender Documents</p> <p>Tenderer to indicate the amendments it requests.</p>	<p>NIL</p>

Schedule 3 Financial Capacity

1. Banker's Name: **Commonwealth Bank of Australia.**

Address: **Level 1, 4 Bay Road, Mount Gambier, SA, 5290**

.....

2. Annual turnover for:	2014/15:	\$24,021,361
	2015/16:	\$23,793,279
	2016/17:	\$22,146,473
	2017/18:	\$25,470,793

3. The limits of the bank overdraft facilities: **\$1,000,000.00**

4. What is the issued capital of the Tenderer's Company: **\$ 5,000,100**

5. Net asset value of the Tenderer's Company: **\$16,920,866**

6. For the most recent financial year:

6.1 average cash balance at the Tenderer's Bank: **\$695,072**

6.2 value of sundry debtors at balance date: **\$4,641,191**

6.3 value of sundry creditors indicating the amount applicable:

1 to 30 days: **\$1,434,668** **68 %**) % of total

31 to 60 days: **\$451,282** **22 %**) sundry

61 and over days: **\$ 215,612** **10 %**) creditors

7. To assist in the evaluation of your financial capability please attach copies of audited profit and loss accounts, balance sheets and statement of cash flows for the last two financial years, as certified by a public accountant.

Viewing of Gambier Earth Movers profit and loss accounts, balance sheets and statement of cash flows for the last two financial years are available in person via arrangement at 29 Avey Road Mount Gambier.

8. What percentage of the Tenderer's South Australian business does this tender represent in terms of turnover?

5 %

Schedule 4 Licences and Accreditation

List details of any licences or accreditations required or relevant to this Tender.

- Contractor's Licence: Lic/Reg Number BLD 5952
Expires 31/08/2018
Date First Issued 08/04/1983
- ABN: 93 007 644 126 (Gambier Earth Movers Pty Ltd)
- CCF Civil Construction Management Code: System Certification by SGS
Certificate Number: AU09/3458

See Attachments for copies of Contractor's Licence and CCF Certificate

Schedule 5 Insurance

Provide details of insurance currently held by you and any proposed subcontractor that would be extended to provide cover for work under the Contract.

Insurance type	Policy no	Extent of cover		Expiry date	Name of insurer
		Per incident \$A	In aggregate \$A		
Public and products liability (minimum \$10,000,000)	G0041 0007327	\$20,000,000	\$20,000,000	31 st Aug 2018	Pen Underwriting
Professional indemnity (if applicable)	P0006053 PI2018AU 1	\$10,000,000	\$30,000,000	28 th Feb 2019	Arch Insurance
Property and facilities					
Contents					
Vehicles plant & equipment	46082547	\$32,500,000		30 th Sept 2018	National Transport
Workers compensation	03167309	-	-	30 th Jun 2019	Return to Work SA
Directors and officers (if applicable)					
Other					

Schedule 6 Work Health & Safety & Risk Management

1. Tenderer Work Health and Safety Management System Questionnaire

1.1 Work Health and Safety policy and management Yes No

- (a) Does the Tenderer have a written Work Health and Safety Policy?

If yes provide a copy of policy

Comments **See attached Combined Quality, Health & Safety and Environmental Policy [POL-GEM Combined Quality, Health & Safety and Environmental-Jan 18 Rev2]**

- (b) Does the Tenderer have a Work Health and Safety Management System recognised by an independent authority (eg Workcover Corporation)?

If yes provide details:

CCF Integrated Management System incorporating Work Health and Safety

- (c) Does the Tenderer have a Work Health and Safety Management System manual or plan?

If yes provide a copy of contents page(s)

Comments: **See attached IMS Master System Structure & Index [IND-IMS Master Systems Manual Structure Index]**

- (d) Are work health and safety responsibilities clearly identified for all levels of staff?

If yes provide a copy of contents page(s)

Comments: **See attached IMS Master System Structure & Index [IND-IMS Master Systems Manual Structure Index]**

1.2 Safe work practices and procedures

- (a) Has the Tenderer prepared safe operating procedures or specific safety instructions relevant to its operations?

If yes provide a summary listing of procedures or instructions

Comments: **Safe Work Method Statements, Safe Work Instructions, Safety Guidance Documents, Safety Procedures & Plant Hazard Assessments**

- (b) Does the Tenderer have any permit to work systems?
 If yes provide a summary listing or permits:
See attached Confined Space Entry Permit & Hot Works Permit [FRM 03-16 Permit to Work (Confined Space - Hot Work) – Form]
- (c) Is there a documented incident investigation procedure?
 If yes provide a copy of a standard incident report form
See attached Accident/Incident Report Form [FRM 03-09 Accident Incident Report Form]
- (d) Are there procedures for maintaining, inspecting and assessing the hazards of plant operated/owned by the company?
 If yes provide details:
See attached Daily Time Sheet (inc. Plant Operator Daily Safety Checklist and Plant Fault/Defect Report) [FRM 02-02 Daily Time Sheet], Plant Hazard Assessment [FRM 03-05 Plant Hazard Assessment-Ver 2] and Plant Inspection Form [FRM 03-05b Plant Inspection Form]
- (e) Are there procedures for storing and handling hazardous substances?
 If yes provide details:
See attached Management System Procedure for Safety Management [MSP-03 Safety Management]
- (f) Are there procedures for identifying, assessing and controlling risks associated with manual handling?
 If yes provide details:
See attached WHS Guidance Documents for Manual Handling [SGD-09 Manual Handling]

1.3 Work Health and Safety training

- (a) Describe how work health and safety training is conducted in your company:
Company Inductions, Site Specific Inductions, Toolbox Meetings and Third Party Training Courses
- (b) Is a record maintained of all training and induction programs undertaken for employees in your company?
 If yes provide examples of work health and safety training records:
See attached Training Skills Matrix [FRM 13-03 Skills Matrix], Documented Toolbox Meetings [FRM 02-11 Toolbox Meeting & Minutes Form-Ver3], Site Induction Form [FRM 03-01 Site WHS Induction Form], Employee Induction Records [FRM 13-05 Employee Induction Checklist.Ver 3]

1.4 **Work Health and Safety workplace inspection**

- (a) Are regular work health and safety inspections at worksites undertaken?

If yes provide details:

Prior to commencement of services [FRM 02-10 Project Site Establishment Checklist] and ongoing during execution of contract [FRM 03-04 Workplace Inspection Form] [FRM 11-06 Worksite WHS Audit & Checklist]

- (b) Are standard workplace inspection checklists used to conduct work health and safety inspections?

If yes provide details or examples:

See Item 2.4a

- (c) Is there a procedure by which employees can report hazards at workplaces?

If yes provide details:

See attached Hazard Identification & Risk Assessment Form [FRM 03-07 Hazard Identification & Risk Assessment Form], Accident Incident Report Form [FRM 03-09 Accident Incident Report Form], Toolbox Meetings, Daily Timesheets & WHS Committee Meetings

1.5 **Work Health and Safety consultation**

- (a) Is there a work health and safety committee?

- (b) Are employees involved in decision making over work health and safety matters?

If yes please provide details:

Engagement of employees in preparation of all WHS Documentation (i.e. SWMS, SWI etc.) and as members of the WHS Committee

- (c) Are there employee elected work health and safety representatives?

Comments:.....
.....

1.6 **Work Health and Safety performance monitoring**

- (a) Is there a system for recording and analysing work health and safety performance statistics?

If yes provide details:

Database of injury/incident statistical information

- (b) Are employees regularly provided with information on company work health and safety performance?

If yes provide details:

.....
.....

(c) Has the company ever been convicted of a work health and safety offence?

If yes provide details:

Screening Plant Injury

1.7 Safety performance

(a) Please provide the following information for the last three years

	2015/2016	2016/2017	2017/2018
What was the average number of employees in your organisation?	98	100	100
What was the approximate number of hours worked?	20,608		20,602
How many injuries have occurred to your employees which resulted in a fatality, permanent disability or time lost from work of one day or more?	6	3	3
What is the Lost Time Injury Frequency Rate?	29.18	14.31	14.55
What is the total number of full days lost due to injury?	13	121	98
What is the average days lost per injury?	0.87	8.07	6.53

2. Please provide a sample Risk Assessment for the tendered work.

The following are extracts from the Project Management Plan QUALITY, WHS & ENVIRONMENTAL for the PROJECT: Caroline Landfill Stage 3B.

9. Job Specific Safety Analysis (Risk Identification and Control)

Hazard Arising from Work Activity	Potential Hazard / Risk What are the potential hazards that could cause an environmental or safety incident accident or injury?	Control Measures Using the hierarchy of controls* determine the measures necessary to eliminate or reduce the risk of incident or injury	Person actually applying Control Measure
Complete Traffic Closure of Remote Track		SGD-01	
Danger Tag & Lockout System		SGD-02	
Emergency Management & Reporting		SGD-03	
Excavation & Trench Protection		SGD-04	
Eye Protection		SGD-05	
Fire Protection & Control		SGD-06	
Head Protection		SGD-07	
Hearing & Noise Protection		SGD-08	
Manual Handling		SGD-09	
Occupational Hazards Tools, Minor Equipment		SGD-10	
Operating Construction Plant		SGD-11	
Protection from Ultraviolet Radiation		SGD-12	
Protection from Waste Needles & Syringes		SGD-13	
Protective Clothing & Equipment		SGD-14	
Rehabilitation of Employees		SGD-15	
Traffic Management		SGD-16	
Work with Subcontract Lifting Plant		SGD-17	
Working in Trenches		SGD-18	
Working under Power Lines		SGD-19	
Working with Construction Plant		SGD-20	
* An analysis of the hazards is undertaken by suitably trained and informed staff or external experts if required. The hierarchy of controls which are considered to determine the most appropriate control measures are as follows:	<ol style="list-style-type: none"> 1. Elimination – eliminate the work practice, materials , plant, equipment responsible for the hazard 2. Substitution – substitute the work practice, materials, plant, equipment for a safer alternative 3. Engineering Control – re-design the work practice, use of materials, plant or equipment to attain a safer alternative 4. Administrative Control – change the deployment of personnel to reduce exposure (job rotation, training, etc.) 5. PPE for personnel – select appropriate equipment / apparel to reduce risk / exposure 		

10. Job Specific Environmental Analysis (Risk Identification and Control)

Hazard Arising from Work Activity	Potential Hazard / Risk What are the potential hazards that could cause an environmental or safety incident accident or injury?	Control Measures Using the hierarchy of controls* determine the measures necessary to eliminate or reduce the risk of incident or injury	Person actually applying Control Measure
Air Quality – Dust Control & Plant Emissions		EGD-01	
Cleaning Plant & Machinery to Minimise the Distribution of Weeds		EGD-02	
Clean-up after Concrete Delivery		EGD-03	
Community Relations at the Workplace		EGD-04	
Contaminated Material found during Site Works		EGD-05	
Dewatering and Pumping Waste Water		EGD-06	
Disposal of Prescribed Wastes		EGD-07	
Erosion and Sediment Control		EGD-08	
Excavation Soil Management		EGD-09	
Flora & Fauna Protection before Grubbing and Clearing		EGD-10	
Fuel Spills Control & Clean Up		EGD-11	
Heritage & Archaeology		EGD-12	
Noise Pollution		EGD-13	
Site Protection & Restoration of Vegetation		EGD-14	
Site Visual Impacts & Amenities		EGD-15	
Stopping Sediment in Drains & Waterways		EGD-16	
Use of Energy		EGD-17	
Vibration Control		EGD-18	
Waste Minimisation & Recycling		EGD-19	
<p>* An analysis of the hazards is undertaken by suitably trained and informed staff or external experts if required. The hierarchy of controls which are considered to determine the most appropriate control measures are as follows:</p>	<p>6. Elimination – eliminate the work practice, materials , plant, equipment responsible for the hazard 7. Substitution – substitute the work practice, materials, plant, equipment for a safer alternative 8. Engineering Control – re-design the work practice, use of materials, plant or equipment to attain a safer alternative 9. Administrative Control – change the deployment of personnel to reduce exposure (job rotation, training, etc.) 10. PPE for personnel – select appropriate equipment / apparel to reduce risk / exposure</p>		

Schedule 7 Environmental Management System

Tenderers are to provide details of their environmental management system and where possible, examples of:

- Reports on environmental performance
See attached CCF Summary [CCF Audit Report Form Audit 20171030-1101]
- Incident reports including actions taken to address the incident and improvements to processes to reduce risk of occurring again
N/A
- Environmental management plans established for other contracts
See attached sample Environmental Management Plan [EMP-HG3-2 SAMPLE]

Schedule 8 Quality Systems

Describe the level of quality assurance in place in the Tenderer's organisation and plans to move to quality accreditation if not presently accredited.

Gambier Earth Movers Pty Ltd has been assessed as meeting the requirements of the Civil Contractors Federation Construction Management Code, inclusive of Environment, Occupational Health and Safety and Quality Management. This certification is the requirement of GEM to operate as a Systems Certified Contractor. Our Certification Number is AU09/3458.

Gambier Earth Movers Pty Ltd, as a Systems Certified Contractor has implemented and operates throughout the company the above CCF Integrated Management System which conforms to the requirements of the Australian/International Standards:

Occupational Health & Safety: AS 4801, Environmental Management: ISO 14001 & Quality Management: ISO 9001 2000 (SGS Certificate of Certification attached).

Provide details of contracts performed by the Tenderer under its Quality Assurance System.

All contracts, minor or major adhere to GEM's Certified Quality Assurance System (CCF IMS).

Schedule 9 Industrial Relations Record

Provide a summary of the Tenderer's industrial relations record over the last five years.

Gambier Earth Movers Pty Ltd has not been involved in any industrial relations activity or disputes over the last five (5) years.

Schedule 10 Conflict of Interest

Provide details of any interest, relationship or clients which may or do give rise to a conflict of interest and the issue about which that conflict or potential conflict does or may arise.

NIL. Gambier Earth Movers Pty Ltd is not aware of any Conflict of Interest

Schedule 11 Referees

Details of at least three references for similar work and information on the approximate date when work was completed and the approximate value of work undertaken.

Reuse this page if more than three references are provided.

Client Name: District Council of Grant | Rural & Urban Resealing Program

Address: 324 Commercial Street West, Mt Gambier SA 5290

Contact Name: Mr. Adrian Schutz

Telephone: (08) 8721 0444

Email:

Date of Work: 1st July 2017 to 30th June 2018

Value of Work: \$702,162.00 (excl. GST)

Client Name: Beach Energy

Address: 25 Conyngham Street, Glenside SA 5065

Contact Name: Ms. Jacquie Greenwell

Telephone: (08) 8338 2833

Email:

Date of Work: 10th April 2018 to 20th July 2018

Value of Work: \$720,083.00 (excl. GST)

Client Name: City of Mount Gambier | Contract for Supply & Placement of Asphalt

Address: 10 Watson Terrace, Mt Gambier SA 5290

Contact Name: Mr. Daryl Morgan

Telephone: (08) 8721 2555

Email:

Date of Work: 1st July 2017 to 30th June 2019

Value of Work: \$1,026,799.41 (excl. GST) to date

Schedule 12 Statement of Conformity

If the Tender does not comply with all the requirements of the Tender Documents, the Tenderer must list below all areas of non-conformity, partial conformity or alternative offer and the reasons therefore.

The Tender must be read to disregard and render void any area of the Tender which is non-conforming, partially conforming or an alternative offer except to the extent detailed in this Schedule.

If any non-compliance is determined to be unacceptable, the Tender may not be further considered.

NC = Non-conforming

PC = Partial conforming

AO = Alternate offer

Area of non-conformity and reason	NC/PC/AO
N/A	

Schedule 13 Organisation Structure, Facilities and Resources

1. Organisation structure

Provide details of the staff and the organisation structure proposed to be used for performance of the Services. Details must include but not be limited to:

- Company structure to be used to support the Services including size and location of office, organisation structure

See attached Organisational Structure [CHT-GGH Organisational Structure 20170825]

- Number of staff proposed to be used and their qualifications and experience

Position (No.)	Responsibilities	Persons Name	Qualifications & Experience
Project Manager (1)	Co-ordination and management of project requirements and personnel and ensuring that all components of contract are met in a satisfactory fashion	Adam Maywald	<ul style="list-style-type: none"> • 10 years of Civil Engineering & Construction Management Experience • B.Eng. (Hons) – Civil and Environmental Engineering • MIEAust • Senior First Aid Officer
Project Engineer (1)	Co-ordination of day-to-day project management	TBA	<ul style="list-style-type: none"> • Civil Engineering & Construction Management Experience • Minimum: B.Eng.– Civil Engineering • Eligible for membership I.E.Aust
Site Supervisor (1)	Co-ordination of day-to-day on-site operations	TBA	<ul style="list-style-type: none"> • Minimum White Card & Appropriate Plant and Vehicle Licence
Site Personnel (5-8)	Execute contract works	TBA	<ul style="list-style-type: none"> • Minimum White Card & Appropriate Plant and Vehicle Licence

- Details of the award, enterprise agreement, and/or local area workplace agreement, under which staff will be employed, and rates of pay, conditions, or allowances

- **Building and Structure General Onsite Award 2010 MA000020**
- **Road Transport & Distribution Award 2010 MA 000028**

2. **Employees**

Provide details

Details to be confirmed upon Tender Award or Commencement of Services

- **1 x Project Engineer**
- **1 x Site Supervisor**
- **Up to 8 Plant Operator/Labourers**

3. **Other details (e.g. specific plant & equipment, vehicles)**

Please confirm the availability of plant/equipment to undertake the works.

- **Komatsu PC300 Excavator**
- **Komatsu PC200 Excavator/s**
- **Komatsu Dozer D85E**
- **Komatsu Grader GD650**
- **Komatsu Water Truck**
- **Ingersoll-Rand Roller – SD110F (Pad-foot)**
- **Ingersoll- Rand Roller – SD105 (Smooth Drum)**
- **Komatsu Dump Truck/s**

4. **Facilities**

Provide details:

- **Portable Site Hut (1) (as required)**
- **Portable Toilet (1) (as required)**

5. Proposed subcontractors

Provide details in the Table below the proposed major sub-contractors or other representatives to be employed or engaged by the Tenderer. The Tenderer must define the scope and extent of Services to be provided by sub-contractors.

Subcontractor's name and address	Services to be provided	Item(s)
Baxter Hire 104 Penola Road, Mt Gambier SA 5290	Plant & facilities hire as required	As required
Cameron Lock Surveying 45 Helen Street, Mt Gambier SA 5290	Survey set-out and as-constructed	As required
Southern Testing Laboratories (Matthew Collins) 08 8723 6810 PO Box 3469, Mt Gambier SA 5290	Geotechnical testing & reporting. Level 1 Supervision	As specified
Geofabrics Australasia Pty Ltd (Ben Lewis) 08 8219 2900 4 Capelli Road, Wingfield, SA, 5013	Supply of Material (Geo Fabrics)	Geotextile Supply
R Koczak Plumbing Services (Raymond Koczak) 08 8723 4488 Bodey Circuit Mt Gambier SA 5290	Plumbing Services and Welding	HDPE Pipe Welding
Global Synthetics (Luke Aberley) 08 8348 8894	Supply of Material (Geo Fabrics)	Geotextile Supply

6. Contingency arrangements

Provide details of contingency arrangements should any facilities or sites required to facilitate the Contract become unavailable in the short and long term.

NIL specific at this time, however if an issue/s do arise GEM will liaise with the City of Mt Gambier to come up with a viable/ workable/ sustainable solution.

Further, GEM does have common contingency options available for facilities, plant and/or sites (quarries, hire services, offices and depot) within approximately twenty minutes of the job site, thus allowing for potential easing of issues should it be required.

Schedule 14 Experience

1. Past performance

For how many years has the Tenderer engaged in the type of work required by the Contract?

Circa 50 years, in the Civil Construction industry.

Successfully completed City of Mount Gambier Contract No: AF17.271 Caroline Landfill Construction of Cell 2 Cap.

Successfully completed City of Mount Gambier Contract No AF 16.277 Caroline Landfill Construction of Cell 3B.

Successfully completed City of Mount Gambier Contract No AF 13.303 Caroline Landfill Development (Stage 3) – Cell 3 Construction, Capping of Part Cell 1 & Cell 2.

Successfully completed for SA Water; Finger point WWTP No. 2, 3 & 4 Sludge Basin Under Drain Installations and associated Rising Main, Reclaimed Watermain and Electrical Infrastructure.

Successfully completed Jordan's Quarry Recapping for Kimberley Clarke Australia.

Has the Tenderer had an appointment terminated on a project in the last five years. If yes please provide brief details.

No _____

Has the Tenderer terminated a project in the last five years. If yes please provide brief details.

No _____

Has the Tenderer refused to continue providing services under a contract in the last five years unless the terms or payments were changed from those which were originally agreed. If yes please provide brief details.

No _____

2. Current contracts

Provide details of current contracts in a local government environment including the range of services provided and the numbers and types of properties serviced.

Client	Project / Contract No.	Description	Construction Period
City of Mount Gambier	AF15/147, AF15/158	Supply of Crushed Rubble	July 2017 - June 2019
City of Mount Gambier	AF15/145, AF15/156	Sealing	July 2017 - June 2019
City of Mount Gambier	AF15/150, AF15/161	Supply and Place Hotmix	July 2017 - June 2019
City of Mount Gambier	AF15/151, AF15/162	Supply and Delivery of Crushed Rock	July 2017 - June 2019
District Council of Grant	17-14.21.2/8	Rural and Urban Reseals	July 2018 - June 2019
District Council of Grant	17-14.21.2/7	Supply and Placement of Asphalt	July 2018 - June 2019
District Council of Grant	<i>The Waterfront Stage 1 Works – Port MacDonnell Contract 18-7.81.4/60</i>	Upgrading of the existing Port MacDonnell Waterfront, including but not limited to bulk earthworks, wall construction, pavement construction, boardwalk construction, stormwater, landscaping and seawall construction	April 2018 – October 2018

3. Other commitments

Provide details of other work commitments expected to continue during this Contract.

Gambier Earth Movers Pty Ltd does not, at the time of this submission, anticipate any present contractual commitments nor are we aware of other contractual commitments to continue during this Contract that would have a detrimental consequence on accomplishing this Contract.

Schedule 15 Customer Service Plan

Tenderers must demonstrate their capacity and skill in regard to the provision of customer service. Tenderers must describe what systems they will use and performance levels that will be achieved in the provision of advice and response to enquiries, complaints, and requests for assistance from members of the public. This must include but not be limited to:

- procedures for the handling of all enquiries and complaints;
 - **Enquiries and complaints will be documented and processed as a Non-Conformance**
 - **Refer attached Non-Conformance Report [FRM 10-02 Non-Conformance Report]**
- staff education programs to ensure highest levels of customer service are attained and maintained;
 - **Nil at the time of submission**
- indicative performance standards for handling of enquiries and complaints, including specific time scales;
 - **All reasonable endeavors will be made to respond or resolve all enquires, complaints and requests for assistance within 24 hours**
- number and qualifications of staff who will provide this service;
 - **Project Manager (BEng), Project Engineer (BEng), Operations Manager, Site Supervisor**
- location/s of enquiry and assistance points where enquiries and complaints will be managed;
 - **Project Manager, Project Engineer, Operations Manager, Site Supervisor**
- hours of availability of customer service and supervisory staff;
 - **8.30am to 4.30pm**
 - **Emergencies: Monday to Sunday (24hrs)**
- how the complaints register will be maintained;
 - **Refer attached Non-Conformance Report [FRM 10-02 Non-Conformance Report]**
 - **Refer attached Corrective and Preventative Action Management System Procedure [MSP-10 Corrective and Preventative Action - Rev. 2]**
- proposed information leaflets, forms and reports that will be used in providing this service
 - **The principal work area/s are contain directly within the Client controlled/owned property, hence there is no leaflets required as the Client is the sole occupier.**
 - **Any Non-Conformance to be submitted to Council Representative at earliest convenience**
 - **Refer attached Non-Conformance Report [FRM 10-02 Non-Conformance Report]**

Schedule 16 Implementation Schedule and Transition Plan

1. Implementation schedule

Tenderers must provide a comprehensive project plan that encompasses all activities required and timelines for each activity from Contract execution to Contract 'start date' including a "program of works" with identified contingencies.

Please refer to this Schedule's attachments for the Tender Project Timeline

2. Transition plan

Tenderers must comprehensively describe their proposals to ensure minimum disruption to service and assistance to customers in adjusting to the new service, during the transition periods at the commencement and also at the termination of the Contract. Such initial transition plan should include timetables for:

- service information leaflets; **Gambier Earth Movers are not adjusting the existing service to a new service hence the need for service information leaflets are not readily applicable in this instance.**
- notices to users regarding service problems;

At the commencement of the contract Gambier Earth Movers will liaise with the City of Mount Gambier, as they control the whole site, to develop a strategy where the project works has the minimal impact of the operations of the landfill. Whilst still permitting the effective progress of the project works.

3. Commitment

Please provide a firm commitment to timeframe for completion of works prior to May 2019.

Gambier Earth Movers are firmly, and steadfastly, committed to making all reasonable and practical endeavours to reach practical completion prior to May 2019.

4. Evidence

Please provide clear evidence of availability and accessibility of clay.

Gambier Earth Movers have contacted the source of the clay, Delta Sand & Stone, PO Box 2732 Mount Gambier SA, and have been advised the clay is available and accessible. Though accessibility to the clay source is partly weather dependent

5. Site Set-up

Please provide details.

At the commencement of the contract Gambier Earth Movers will liaise with the City of Mount Gambier, on where to best site its compound, stockpile sites so as to minimise disruption to operations of the landfill.

Preliminarily, Gambier Earth Movers were considering utilising an area just to the north west of the work area.

6. Traffic Management

Please detail.

Gambier Earth Movers does have appropriately trained staff that can setup work zone signage, if required.

Generally, Gambier Earth Movers envisages organising its work movements to have minimal bearing on other traffic at the work site. This is something Gambier Earth Movers would be talking directly with the City of Mount Gambier about.

At the commencement of the contract Gambier Earth Movers will liaise with the City of Mount Gambier, on where to best site its compound, stockpile sites so as to minimise disruption to operations of the landfill.

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Generally, Gambier Earth Movers envisages organising its work movements to have minimal bearing on other traffic at the work site. This is something Gambier Earth Movers would be talking directly with the City of Mount Gambier about.

Schedule 17 Value Added Services

Provide details of any other benefits you can offer to improve the level of service or value of your Tender.

- **Local company which employs local people, low cost of mobilisation and no accommodation expense.**
- **GEM has a workforce of approximately 130 experienced personnel each with a range of skills and abilities. Within the workforce GEM has at its disposal five Qualified Civil Project Engineers, the leader of the other four engineers is GEM's Engineering, Environmental and QA Manager, Adam Maywald. Adam has worked in both Construction and Design. Adam is a Qualified Civil Environmental Engineer who oversees all projects in regards to their project management, quality and environmental impact.**
- **GEM has its own Safety/ Work Cover officer, Bruce Lamb. Bruce has a diploma in WH&S and is an accredited Return to Work Co-ordinator under Return to Work SA.**
- **GEM has a fully staffed and equipped modern workshop including a service trailer; with this trailer GEM can do a basic service of all machinery on-site, meaning that there is less down time due to transportation. The maintenance staff include a team of mechanics, fabricators, welders and spare parts personnel to ensure all GEM plant and equipment are fully supported and operational.**
- **All of GEM's 130 personnel live within a 1 hour radius of the greater Mount Gambier area, and offer one of the largest locally sourced workforce's within the lower south east of South Australia. By continuing to service the region's civil and quarrying requirements, GEM's workforce inturn provides large social and economical stability to the greater Mount Gambier region by living, spending and investing in other local businesses, community groups, sporting clubs and institutions.**
- **GEM is a leader in the greater Mount Gambier region regarding the installation of asphalt and bitumen seal pavements. GEM has, and is, investing heavily in this sector having purchased a brand new computer controlled bitumen sealing truck, ensuring unsurpassed quality control and precision. Further, GEM have invested \$2.6m+ in the manufacture and installation of a brand new state of the art asphalt production plant, with the ability to batch any asphalt mix specification required. The new plant is set to be installed in late May 2017, with full production and commissioning being achieved by August 2017, in time for the next season of dryer weather. With the advent of the new plant, asphalt production will go from approximately 28 tonnes per hour to a much greater 80 tonnes per hour, providing better value for money to the region's road construction and maintenance programmes, and further increase the level of service and value given by GEM as a whole.**
- **GEM extensively invests and donates to local sporting clubs, schools, institutions and events, bolstering the local community and helps ensure the sustainability of the region's sporting and educational development. Various examples of investment and donations include, but are not limited to:**
 - **Major sponsor of the Mount Gambier Show**
 - **West Gambier Football and Netball Club**
 - **Moorak School**
 - **Borderline Speedway**
 - **Port MacDonnell Football and Netball Club**

- **Kongorong Football and Netball Club**
- **Holstein Show**
- **Port MacDonnell Tuna Fishing**
- **GEM has 14 fully operational quarries within the local region, guaranteeing supply of pavement construction materials. All raw materials required for this contract are sourced from GEM's own quarrying network, ensuring benefits gained from using these resources are invested back into the region.**
- **GEM's team of qualified professionals provide local knowledge and content to assist in meeting the client's needs in any civil project. Further, they can respond in the event of an emergency or at short notice as they all live and work within the Mount Gambier region. Their local knowledge and expertise are only a phone call away.**

Schedule 18 Improvement and Innovation

Provide details of ideas and systems that are proposed for improved performance.

Though the utilisation of Topcon GPS machine control equipment, where possible, and through the application of LPS/GPS, to limit material wastage, increase production and reduce labour and minimising survey costs resulting in Gambier Earth Movers Pty Ltd being able to provide a project cost saving;

Change of Organisational Structure which will provide more hands on Project Supervision.

Schedule 19 Pricing

Please provide fixed lump sum pricing.

All prices must be listed exclusive of GST.

Cell 3C

1. Excavation of existing 300mm cover material and stockpiling onsite.	\$36,569.50
2. Cost to condition, test and replace top layer of existing clay as required.	\$24.81/m ³ .
3. Cost to supply, transport and install clay liner to Cell 3C.	\$424,273.78
4. Cost to supply, transport and install drainage layer (including aggregate, pipes and geotextile).	\$290,753.14
5. Miscellaneous costs to balance with lump sum price.	\$79,174.33
6. Level 1 Supervision of Earthworks	\$58,644.18
TOTAL	\$889,414.93



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 4

INDEX

1. Contractor's Licence
2. CCF IMS Third Party Accreditation





GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 4

Attachment 1

GEM Contractors Licence





CONTRACTORS LICENCE

Building Work Contractors Act 1995

This is to certify that

GAMBIER EARTH MOVERS PTY LTD

is licensed/registered to carry on the business of

Building Work Contractor

CONDITIONS:

BUILDING WORK CONTRACTOR WITH CONDITIONS

CIVIL CONSTRUCTION

DEMOLITION

EARTHWORKS CONSTRUCTION

RETAINING WALLS

Lic/Reg number: BLD 5952

Expires: 31-08-2019

Date first issued: 08-04-1983

A handwritten signature in black ink, appearing to be 'S. J. ...', written over a horizontal line.

COMMISSIONER FOR CONSUMER AFFAIRS



SCHEDULE 4

Attachment 2

CCF IMS Third Party Accreditation

Certificate AU09/3458

The management system of

Gambier Earth Movers Pty Ltd

29 Avey Road, Mount Gambier, SA 5290
Australia

has been assessed and certified as meeting the requirements of

CCF Civil Construction Management Code

For the following activities

**Major and minor construction projects, plant hire, quarry products,
road pavement construction including bituminous pavement surfacing
(spray seal and asphalt) heavy haulage transport.**

**D1, DM1, E1, E2, E3, KP1, L2, P1, PH1, Q1, R1, R2, R3, RM1, S1, W1,
W2, O1 Other - Building & Landscape Supplies**

This certificate is valid from 16 November 2017 until 16 November 2018 and
remains valid subject to satisfactory audits.
Re certification audit due before 16 October 2018
Issue 9. Certified since September 2009



**SYSTEMS CERTIFIED
CONTRACTOR**

Authorised by

SGS Systems & Services Certification Pty Ltd
10/585 Blackburn Road, Notting Hill VIC 3168, Australia
t(61-3) 9574 3200 f(61-3) 9574 3399 www.au.sgs.com

JAS-ANZ



www.jas-anz.org/register

Page 1 of 1





SCHEDULE 5

INDEX

1. Public & Products Liability
2. Professional Indemnity
3. Vehicle Plant & Equipment
4. Workers Compensation



SCHEDULE 5

Attachment 1

Public & Products Liability



Certificate of Currency



www.penunderwriting.com.au

Date of Issue: 25 August 2017

Type of Insurance: Public and Products Liability Insurance

Policy Number: G0041 0007327

Insured: Gambier Earth Movers Pty Ltd, Mount Schank Metals Pty Ltd, Moree Quarries Pty Ltd, Gambier Stone Supplies Pty Ltd and/or subsidiary companies for their respective rights and interests

Business Description: Civil Construction, Quarrying, Earthmoving, Including Hire of Equipment, Sand, Soil, Gravel, Brick and Tile Sales and Suppliers, Demolition Including Asbestos Removal and Disposal and Landfill Site and/or any activities incidental thereto

Interested Party/s: Nil

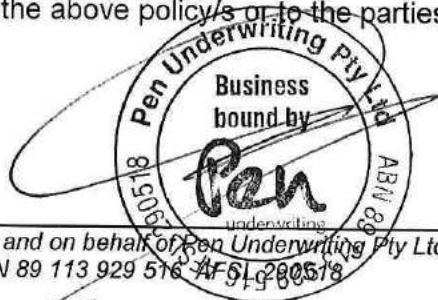
Period of Insurance: From: 31st August 2017 at 4pm
To: 31st August 2018 at 4pm

Insurer: 85% certain Underwriters at Lloyd's under Agreement No. B1262BW0019716
15% Berkley Insurance Company ABN 53 126 559 706

Limit of Indemnity: \$20,000,000 any one Occurrence and in the Aggregate any one Period of Insurance in respect to Products Liability

Sublimit: Goods under Care Custody & Control
\$250,000 anyone claim/aggregate

This Certificate of Currency does not form part of the policy document we issue. The content of this Certificate of Currency is for general information purposes only and is correct at the Date of Issue. This Certificate of Currency does not provide, amend, extend or alter the cover provided by the above policy/s or to the parties.



For and on behalf of Pen Underwriting Pty Ltd
ABN 89 113 929 516 AFSL 280518

George Vincent
MBA, FRMIA, ANZIIF (Fellow), CIP
Senior Underwriter - Liability
Direct Phone: 03 9810 0621
Email: George_Vincent@penunderwriting.com



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 5

Attachment 2

Professional Indemnity Insurance



CERTIFICATE OF CURRENCY

This is to certify that the details outlined below are current as at 26 February 2018

THE INSURED: GAMBIER EARTH MOVERS PTY LTD, GEM GROUP HOLDINGS PTY LTD

PROFESSIONAL BUSINESS: Civil Engineering, Drafting and Project Management only

POLICY NUMBER: P0006053PI2018AU1

TYPE OF INSURANCE: Professional Indemnity

POLICY WORDING: Engineers and Architects Civil Liability - March 2016

PERIOD OF INSURANCE: 28 February 2018 to 28 February 2019 4:00p.m local standard time

LIMIT OF INDEMNITY: \$10,000,000 each and every claim in the Period of Insurance

AGGREGATE LIMIT OF INDEMNITY: \$30,000,000 all claims in the period of insurance

REINSTATEMENT(S): As per Policy Wording

COVERAGE/EXTENSIONS: As per Policy Wording and/or Endorsements attaching to and forming part of the Policy.

RETROACTIVE DATE: Unlimited excluding known claims and circumstances

PROPORTION: 100%

SECURITY: 100% Underwriters at Lloyds

UNIQUE MARKET REFERENCE: B6060500000012018

All Certificates of Currency are issued by Arch Underwriting at Lloyd's (Australia) Pty Ltd on the basis that any Policy referred to in a Certificate of Insurance can be legally cancelled at any time for non payment of premium.

Any inquiries on this issue must be directed to the Insured or the Broker.

IN WITNESS WHEREOF this Certificate has been signed at Melbourne



Arch Underwriting at Lloyd's (Australia) Pty Ltd

For and On behalf of Syndicate 2012 at Lloyd's

26 February 2018



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 5

Attachment 3

Vehicle Plant & Equipment





Attention:

DATE: 18/10/2017

Certificate of Currency

Customer Number: 1154785
Cover Note Number: 46082547
Type: YellowCover -MPE Plant and Machinery Insurance
Conditions: Indemnity is provided subject to all of the standard policy's Terms, Conditions, Exclusions, and includes its addendums and amendments. The proviso is that premium be paid in accordance with the terms of the policy wording.
Term of Insurance: 30 Sep 2017 to 30Sep 2018

The Insured:
GEM Group Holdings Pty Ltd
Gambier Earth Movers Pty Ltd
Mount Schank Metals Pty Ltd
Moree Quarries Pty Ltd
GEM Building and Landscape Supplies
Gambier Stone Supplies Pty Ltd

Base(s) of Operations: MOUNT GAMBIER, 5290

Road Risk Liability to Third Parties

Non Dangerous Goods: \$ 32,500,000 limit any one loss

Dangerous Goods and diesel: \$ 1,250,000 limit any one loss

Item Schedule: As Per Policy Schedule

Endorsements

YF087 - Hired In Plant

Annual Hiring Costs: \$400,000

The Sum Insured for any one item will be no more than \$350,000

The Sum Insured per Accident is \$350,000

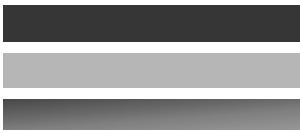
Policy Excess applicable for each and every item subject to this extension specified above is greater of \$1,000 or 1.00% of the item Sum Insured

The Ongoing Hire Limit Per Period is \$100,000

This certificate is not a substitute for the Policy of Insurance issued to the insured. The Policy wording, (with its addendums and endorsements) not this certificate, details the rights and obligations and the extent of cover.

Signed on behalf of National Transport Insurance,

Underwriting Department
NTI Limited ABN 84 000 746 109, (AFSL 237246)
Joint Venture Manager



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 5

Attachment 4

Workers Compensation



25 June 2018

Gambier Earth Movers Pty Ltd
PO Box 378
MOUNT GAMBIER SA 5290

Dear employer

Certificate of registration - Employer number: 03167309

Please find enclosed a certificate of registration as requested.

If you require any further assistance or information, please contact us on 13 18 55 or by email to info@rtwsa.com.

Yours sincerely

A handwritten signature in black ink, appearing to read "K Foundas". The signature is fluid and cursive.

Karen Foundas
Manager, Premiums

Certificate of registration

Return to Work Act 2014

Employer number 03167309
Employer name Gambier Earth Movers Pty Ltd
Trading name Gambier Earth Movers Pty Ltd

Date of issue: 25 June 2018

Statement of coverage valid until 30 June 2019

This employer is registered as an employer under the *Return to Work Act 2014* (the Act).

Gambier Earth Movers Pty Ltd is registered from 30/09/1987

The information provided in this Certificate of registration is correct at the date of issue.

Important information

A certificate of registration is issued in South Australia to certify that an employer is registered under the Act. This certification is valid until 30 June 2019 or until Gambier Earth Movers Pty Ltd ceases to be an employer who is required to be registered under the Act.

If there are any errors on this form, please inform ReturnToWorkSA within 30 calendar days. If you do not do this, under section 165(6) of the Act a maximum penalty of \$5,000 may apply.

A copy of this certificate must be produced by an employer within 5 business days of a request by a person authorised under section 165(8) of the Act. Failure to do so may result in a maximum penalty of \$1,000 under section 165(3) of the Act.

A person who fraudulently alters a certificate of registration is guilty of an offence. A maximum penalty of \$25,000 under section 165(5) of the Act may apply.

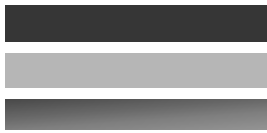
If you require any further assistance or information, please contact ReturnToWorkSA on 13 18 55 or by email to info@rtwsa.com.



SCHEDULE 6

INDEX

- 1. **SAMPLE** Safety Management Plan – a full plan to be provided upon award of tender
- 2.1 (a) GEM Combined Quality Health & Safety and Environmental Policy
- 2.1 (c) & (d) IMS Sections Page
- 2.1 (c) & (d) Index IMS Manual
- 2.2 (c) FRM 03-09 Accident Incident Report Form
- 2.3 (b) Employee Competency Matrix
- 2.4 (b) FRM 03-04 Workplace Inspections Form



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 6

Attachment 1

SAMPLE Safety Management Plan – full plan to be provided upon
award of tender





MOUNT GAMBIER RACE COURSE TRACK RECONSTRUCTION

PROJECT MANAGEMENT PLAN

SAMPLE

Mount Gambier Race Course Track Reconstruction

Scope of Works

- 1. Preliminaries**
 - a. Mobilise plant to site
 - b. Establish site compound
 - c. Set-out survey
 - d. Locate existing services
- 2. Track Infield Works**
 - a. Strip topsoil from swales and basins
 - b. Excavate swales and basins
 - c. Supply and place 225 mm PVC-U pipe
 - d. Supply and place 375 mm PVC-U pipe
 - e. Supply and place stormwater pits
 - f. Install drainage bores to basins
 - g. Supply and install rock scour protection
- 3. Track Proper Works**
 - a. Strip turf and topsoil from track proper and dispose off-site
 - b. Bulk earthworks to design levels
 - c. Supply and place 150 mm PVC-U collector pipe
 - d. Supply and place 65 mm subsurface drain
 - e. Supply and place 225 mm PVC-U pipe
 - f. Supply and place stormwater pits
 - g. Supply and place 70 mm aggregate drainage blanket
 - h. Supply and place 220 mm growing medium
 - i. Mix coco peat to growing medium
- 4. Miscellaneous Works**
 - a. Construct new retaining structure
 - b. Remove, store and reinstate perimeter fencing
 - c. Construct track crossing
 - d. Construct haul track to adjacent property

Scope of Works





Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

SAMPLE



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

Plan No: MGRC-PMP-01

PROJECT: MOUNT GAMBIER RACE COURSE TRACK RECONSTRUCTION

The Manager has developed this Integrated PMP specifically for the above project. The PMP includes details of the company's overall integrated management system, and critical issues associated with this project with regards to Quality, Health and Safety and the Environment.

Project Management Plan Revision Record				
Revision	Date	Revision Description	Prep. By:	Authorised By:
1	5/12/2017	First Issue	LH	AM

Company	Name and Address	Phone/ Fax
Gambier Earth Movers Pty Ltd	Office: 29 Avey Road Mount Gambier SA 5290	Phone: (08) 8725 4093 Fax: (08) 8723 0049
Project Manager	Adam Maywald	Mobile: 0423 647 610
Project Engineer	Liam Hicks	Mobile: 0407 799 512
Supervisor (If Applicable)	TBA	Mobile: TBA
Client Details	Thoroughbred Racing SA Nick Redin	
Superintendent	FMG Engineering Jeremy Clapp	Phone: (08) 8363 0222 Mobile: 0417 877 651
Superintendent's Representative	Kennett Builders Carlin McNeil	Mobile: 0429 044 845

Register of Uncontrolled Project Management Plans Issued		
Location & Person Issued to	Date	Revision No.

Regular Review of the Project Management Plan by the Manager



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

Date	Date	Date	Date	Date
Sign	Sign	Sign	Sign	Sign

SAMPLE



Mount Gambier Race Course Track Reconstruction

QUALITY, WHS AND ENVIRONMENTAL

1. GEM Combined Quality, Health & Safety and Environmental Policy

Our aim is to demonstrate and ensure safety, environmental and quality compliance with legislation using a system that follows AS/NZS 4801, AS/NZS ISO 14001 and AS/NZS ISO 9001, together with the standards specified in relevant contracts, codes of practice and other relevant requirements.

Input and involvement of all staff and stakeholders is essential and must be sought when identifying and mitigating workplace hazards and risks in order to achieve a safe work place and an environmentally sustainable environment. Management must ensure that all staff and contractors are familiar with project processes and risk management techniques.

In order to achieve our objective of promoting safety, environmental and quality awareness and to optimise client satisfaction on our projects, we:

- Ensure that all staff and contractors understand our policy and their responsibility in maintaining the highest level of performance
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- Focus on implementing a culture of awareness to seek continued improvement in work practices and safety

Our Objectives are to: -

- Comply with certification criteria and the relevant prequalification requirements with the clients we work with,
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- Target improvement in staff and employees competency by ongoing training,
- Provide a level of quality in our work, that is not less than that specified within the contract, and aims to meet the clients expectations
- Have zero workplace notifiable incidents and less lost time injuries than is annually targeted by the company through ongoing consultation on WHS matters
- Have zero reportable environmental breaches. To not increase any form of pollution in the vicinity of the project. Work with the client to improve the environmental integrity of the area in which we are to be working.
- Ensure our suppliers and subcontractors operate with the same objectives in mind, and
- Strive for continual improvement in service delivery through reviews and measurement of defect notices

We continuously monitor the IMS through System, Process and Management Review to ensure its ongoing suitability and improve our operations to achieve excellent safety, environmental, quality and cost standards. This enables us to respond to any client concerns in an efficient and effective manner, ensuring client satisfaction.

Management must regularly review this policy and the IMS as a whole to ensure that it remains relevant and appropriate. This policy is available to interested parties on request.

General Manager

Dated: _____



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

2. System Management Procedures

Applicable Procedures	
Ref No	Title
GEM-MSP-01	Tendering and Contracts
GEM-MSP-02	Managing Construction
GEM-MSP-03	Safety Management
GEM-MSP-04	Environmental Management
GEM-MSP-05	Project Management Plan
GEM-MSP-06	Plant and Equipment
GEM-MSP-07	Purchasing Subcontractors Suppliers and Consultants
GEM-MSP-08	Controlling Documents and Data
GEM-MSP-09	Record and File Management
GEM-MSP-10	Defects and Suggestions
GEM-MSP-11	Internal Review System and Project Management Plan
GEM-MSP-12	Business Improvements and Annual Management Review
GEM-MSP-13	Training and Competency
GEM-MSP-14	Design Control
GEM-MSP-15	Human Resources
GEM-MSP-16	Industrial Relations
GEM-MSP-17	Sustainability Management

3. Work Instructions

Applicable Procedures	
Ref No	Title
GEM-WI-6-1	Calibration Instructions Inspection Measuring & Test Equipment
GEM-WI-7-1	Purchasing Assessment of Subcontractor and Supplier



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

4. Process Control Documents

Safe Work Method Statements (SWMS)

The Manager shall indicate those documents to use by ticking the column against the document

List of Available documents to edit and select for specific projects				
Number	Work Instruction or Technical Procedure		SWMS	ITP
	Site Establishment		SWMS-MGRC-01-Site Establishment	
	Trench Excavation & Backfill (Stormwater Drainage)		SWMS-MGRC-02-Trench Excavation & Backfill	
	Bulk Earthworks (Basins and Swales)		SWMS-MGRC-03-Bulk Earthworks	
	Bulk Earthworks (Track Proper Construction)		SWMS-MGRC-03-Bulk Earthworks	
List of Subcontractors Procedures & Verification Checklist or records to be used for this Project				
	Cameron Lock Surveyors		SWMS/JSEA	
	Ray Koczak Plumbing Services		SWMS/JSEA	
	Walker & Gray		SWMS/JSEA	
	Water Dynamics		SWMS/JSEA	
	DIY Fencing		SWMS/JSEA	



Mount Gambier Race Course Track Reconstruction

QUALITY, WHS AND ENVIRONMENTAL

5. Responsible Project Personnel

Position	Responsibilities	Persons Name	Qualifications
Project Manager (Engineering Manager and QA Manager)	<ul style="list-style-type: none"> Co-ordination and management of project requirements and personnel Responsible for ensuring that all components of contract are met in a satisfactory fashion 	Adam Maywald – Gambier Earth Movers (GEM)	<ul style="list-style-type: none"> B.Eng (Hons) – Civil and Environmental Engineering MIEAust Senior First Aid Officer
Project Engineer	<ul style="list-style-type: none"> Co-ordination of day-to-day project management 	Liam Hicks – Gambier Earth Movers (GEM)	<ul style="list-style-type: none"> B.Eng (Hons) – Civil and Environmental Engineering MIEAust First Aid Officer

6. Subcontractors, Suppliers & External Testing Companies

Subcontractor	Use or Type	Contact Name	Phone
Cameron Lock Surveyors	Survey, set-out, as constructed survey	Mike Cameron	0437 716 252
Ray Koczak Plumbing Services	Stormwater drainage installation	Raymond Koczak	0418 838 980
Walker & Gray	Subsurface drainage trenching	Wayne McDiarmid	0488 770 452
Water Dynamics	Bore installation	Haydn McPherson	-
DIY Fencing	Fence removal and reinstatement & temporary fencing	Chris Annear	0407 338 228

Material Supplier	Use or Type	Contact Name	Phone
Bianco Precast	Stormwater drainage	Adam Perre	(08) 8444 7555
Vinindex	Stormwater drainage	Peter Gardiner	0400 395 098
Quickmix Concrete	Precast concrete sleepers	Brenton James	0409 283 220



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

Multimetals	Retaining wall uprights	-	(08) 8723 1291

SAMPLE



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

External Testing Company	NATA	Test	Frequency	Phone
Southern Testing Laboratories	Yes	Compaction	As required	(08) 8723 6810

SAMPLE



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

7. Pre-Commencement Checklists

YES – A tick in this box indicates that the activity has been considered and is addressed

TBD – (TO BE DONE) A tick in this box indicates that the activity has not been considered and must be addressed prior to commencement or prior to that activity starting.

N/A – A tick in this box indicates that the activity does not apply to this project.

7.1. Current Status of Pre-start of Start-up Activities

	Yes	TBD	N/A
Superintendent notified 24 Hr's prior to starting in new locations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project Management Plan submitted and approved by the Superintendent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notice of Intention to Commence Trenches deeper than 1.5 metres sent to SafeWork SA.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipal Council notified of start and any inconvenience to the Public.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Road Opening Burning Blasting and Other Permits obtained.(list permits).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underground services located. Authorities notified regarding work near their services. Further notification during progress work is required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhead obstacles identified. Authorities notified regarding work near their services. Further notification during progress work is required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notice of work, and clearance forms handed to private land owners.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Survey Lot Pegs or basis for set out in place and set-out can be completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planned Compound or Amenities are Suitable for Type and Location of Work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confirm with client that we have latest plans & will get amendments. Specifications, PMP, ITP's, Checklists & Standard Details Drg's, are available.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suppliers and Subcontractors have clear understanding of materials and duties.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exist trees and Vegetation protected or permission given to remove if necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WHS and Environmental Hazards Identified: Silt traps arranged / Noise Dust and Vibration controls etc are known to employees and sub-contractors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Traffic management needs and warning signs arranged and Available.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Toolbox Meetings will be held each: Week	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7.2. Requirements for Site Induction, New Employee Induction or Training that is planned through the IMS or Required for this project

Induction or Training During Project	Planned	N/A
New Employees or New tasks. Require Induction and Training with regards to Work Method, Health & Safety or Environment Issues.	<input type="checkbox"/>	<input type="checkbox"/>
Client requires employees of GEM to have H&S and or Environmental Induction with regards to the clients system site or buildings.	<input type="checkbox"/>	<input type="checkbox"/>
Site Induction is planned and will be the first Toolbox Meeting. All employees and Subcontractors will be Included in all Site Induction and new Training.	<input type="checkbox"/>	<input type="checkbox"/>
Training Instruction or Supervision in Handling of Materials or Dangerous Goods involved in the work is required.	<input type="checkbox"/>	<input type="checkbox"/>
Training in Emergency Procedure for an Environmental Incident EP-02 at least twice a year.	<input type="checkbox"/>	<input type="checkbox"/>
Training in Emergency Incident & Accident Procedure SP-02 at least twice a year.	<input type="checkbox"/>	<input type="checkbox"/>
Details of other training on this project.	<input type="checkbox"/>	<input type="checkbox"/>



Mount Gambier Race Course Track Reconstruction

QUALITY, WHS AND ENVIRONMENTAL

7.3. Planning for Emergencies Accident or Major Incident Requirements

	Yes	N/A
First aid officer on site Name / Qualification:		
Do we have to Prepare a Specific Site WHS or Environmental Emergency, Accident or Incident procedure and nominate an Evacuation Procedure?	<input type="checkbox"/>	<input type="checkbox"/>
A Mobile Phone and all Emergency Numbers are Available and displayed on site. Best Location to make a call has been identified.	<input type="checkbox"/>	<input type="checkbox"/>
There is Adequate Provision for First Aid on Site.	<input type="checkbox"/>	<input type="checkbox"/>
The Employer or Client of GEM will be notified immediately of any Incident or Injury during the Job.	<input type="checkbox"/>	<input type="checkbox"/>
Injuries and Incidents will be Recorded in Accident Report / Investigation Book.	<input type="checkbox"/>	<input type="checkbox"/>
Defect Suggestion Report Forms and Hazard Control Forms will be used to report and correct or control all non-conformances and identified Hazards.	<input type="checkbox"/>	<input type="checkbox"/>
Do we need extra straw bales, absorbent material or other materials as a resource against an Environmental Incident?	<input type="checkbox"/>	<input type="checkbox"/>
Is noise an issue for nearby residents?	<input type="checkbox"/>	<input type="checkbox"/>
Is there a danger of bushfire?	<input type="checkbox"/>	<input type="checkbox"/>
Is leaving the site safe at night a hazard. If so how can we control this hazard?	<input type="checkbox"/>	<input type="checkbox"/>
Training into the company environmental aspects and site specific environmental issues.	<input type="checkbox"/>	<input type="checkbox"/>
Other Issues.		

7.4. Requirements for Restricting Entry to the Works Area to Protect Workers, Members of the Public and to Prevent Unauthorised Entry

	Yes	N/A
No Entry or other Warning Signs will be Placed at the Entrance to Site.	<input type="checkbox"/>	<input type="checkbox"/>
Barricades will be used where necessary (open trenches and excavations).	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Management Controls are Planned and Available (signs, flashing lights etc).	<input type="checkbox"/>	<input type="checkbox"/>
Warning devices (reversing beepers & flashing lights are on all mobile equipment).	<input type="checkbox"/>	<input type="checkbox"/>
Public Access Ways will be Controlled (close footpath and divert pedestrians).	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Control Stop Go with Trained Control Person is Required.	<input type="checkbox"/>	<input type="checkbox"/>
Foreman is aware of Field Guides SAA HB81.1 to 6 Signs and Traffic Control.	<input type="checkbox"/>	<input type="checkbox"/>



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

7.5. It is necessary to wear the following Protective Equipment for Particular Work Activities

(Discuss in detail at the Toolbox Meeting)

	Yes	N/A
Reflective Safety Vests shall be worn at all times.	<input type="checkbox"/>	<input type="checkbox"/>
Sun Hats & Clothes to protect from ultra violet light are provided or requested.	<input type="checkbox"/>	<input type="checkbox"/>
Safety Footwear shall be worn at all times and is provided.	<input type="checkbox"/>	<input type="checkbox"/>
Ear Muffs/ or Plugs, Safety Glasses, Face Masks and Gloves are provided and available from Foreman.	<input type="checkbox"/>	<input type="checkbox"/>
Sun Screen and Barrier Cream is readily available on site and recommended.	<input type="checkbox"/>	<input type="checkbox"/>
Hard Hats (Helmets) shall be worn. Indicate when to wear.	<input type="checkbox"/>	<input type="checkbox"/>

7.6. Specific Environmental Protection Methods Required for Project

Take these issues to the Job Environmental Analysis for Analysis in this PMP

	Yes	N/A
Assessment of Specific Hazards associated with: Sediment & Erosion Control. (Silt Traps, Sand Bags, Straw Bales or Filter Media in front of each Drainage Pit or Drainage Outlet to creek or stream). Pumping or Dewatering (Use Settling Pond or some form of Tank). Protection of Fauna Vegetation or Protection from Noxious Weeds. Local Noise Requirements are known. Evidence of pre-start site condition	<input type="checkbox"/>	<input type="checkbox"/>
Litter and Housekeeping on the Site is planned.	<input type="checkbox"/>	<input type="checkbox"/>
Waste Minimisation and Disposal Salvage Topsoil.	<input type="checkbox"/>	<input type="checkbox"/>
Salvage other Materials:	<input type="checkbox"/>	<input type="checkbox"/>
Evidence of compliance with legal and contractual requirements.	<input type="checkbox"/>	<input type="checkbox"/>

7.7. Hazardous Materials and Dangerous Goods Register

	Yes	N/A
A Safety Data Sheet (SDS) and register shall be available for all dangerous goods used on site.	<input type="checkbox"/>	<input type="checkbox"/>
Where new dangerous goods are used, they shall be listed as a Hazard in the Job Safety Analysis of this Project Management Plan, and assessed in accordance with the Hazard and Risk Analysis Safety Procedure.	<input type="checkbox"/>	<input type="checkbox"/>



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

8. Toolbox Meeting Minutes Form

Toolbox meetings play an important role in the hazard identification process. They promote teamwork, provide valuable information, and give everyone the opportunity to get together, exchange ideas and improve safety and welfare in the workplace.

Date:

Management Review		Toolbox Meeting		Pre-Start		Other (Specify)	
--------------------------	--	------------------------	--	------------------	--	------------------------	--

(Tick as appropriate)

Location: -		Start time:	End time:
Persons Attending			Management System
Print	Signature		√
		Health and Safety Issues	
		Customer Feedback	
		Internal & External Audit results	
		Improvement Actions	
		Corrective, Preventive Action	
		Legal & Legislative	
		Training	
		Works Program	
		Employee Suggestions	

Item	Matters Discussed	Action by Who / When
1	Previous Minutes	
2		
3		
4		
5		
6		



Mount Gambier Race Course Track Reconstruction

QUALITY, WHS AND ENVIRONMENTAL

9. Job Specific Safety Analysis (Risk Identification and Control)

Hazard Arising from Work Activity	Potential Hazard / Risk What are the potential hazards that could cause an environmental or safety incident accident or injury?	Risk Rating H: High M: Medium L: Low	Control Measures Using the hierarchy of controls* determine the measures necessary to eliminate or reduce the risk of incident or injury	Person actually applying Control Measure
Danger Tag & Lockout System	Plant not operating correctly, not locking out plant when performing inspections or maintenance	L	SGD-02	Operator/Mechanic
Emergency Management & Reporting	Incidents and near misses not reported resulting in repeated occurrence	L	SGD-03	Site personnel
Excavation & Trench Protection	Trenches not properly supported or benched, trenches not clearly marked	H	SGD-04	Project Manager/Site Personnel
Eye Protection	Debris, dust or particles entering eye causing irritation or damage	L	SGD-05	Site personnel
Fire Protection & Control	Flammable and combustible materials, engine fire	L	SGD-06	Operator/Site Personnel
Head Protection	Falling objects when working below other personnel or plant	H	SGD-07	Operator/Site Personnel
Hearing & Noise Protection	Exposure to dangerous noise levels	L	SGD-08	Operator/Site Personnel
Manual Handling	Slips/trips/falls, injury sustained from incorrect lifting technique or lifting heavy items	H	SGD-09	Operator/Site Personnel
Occupational Hazards Tools, Minor Equipment	Faulty equipment, equipment not used for intended purpose	L	SGD-10	Operator/Site Personnel
Operating Construction Plant	Untrained or incompetent operator, access and egress from plant, striking services or objects on site, tipping machine on steep embankments or trenches, accident or collision with other plant or personnel, damage to machine due to incorrect or unsafe operation, operation of plant under influence of medication, drugs, alcohol, duress or fatigue	M	SGD-11	Operator/Site Personnel
Protection from Ultraviolet Radiation	Exposure to ultraviolet radiation, sunburn, skin cancer	L	SGD-12	Site Personnel
Protective Clothing & Equipment	Injury to persons, personnel not visible to plant operators	L	SGD-14	Site Personnel
Traffic Management	Hit by moving vehicles or plant, injuries to personnel or the public	M	SGD-16	Project Manager/Site Supervisor Site Personnel
Working in Trenches	Trench collapse, unknown ground conditions, access and egress from trenches, trenches greater than 1.5 m deep	H	SGD-18	Project Manager/Site Supervisor Site Personnel
Working under Power Lines	Electrocution, damage to assets	M	SGD-19	Project Manager/Site Supervisor Site Personnel
Working with Construction Plant	Collision with other plant or personnel	H	SGD-20	Operator/Site Personnel



Mount Gambier Race Course Track Reconstruction

QUALITY, WHS AND ENVIRONMENTAL

<p>* An analysis of the hazards is undertaken by suitably trained and informed staff or external experts if required. The hierarchy of controls which are considered to determine the most appropriate control measures are as follows:</p>	<ol style="list-style-type: none"> 1. Elimination – eliminate the work practice, materials, plant, equipment responsible for the hazard 2. Substitution – substitute the work practice, materials, plant, equipment for a safer alternative 3. Engineering Control – re-design the work practice, use of materials, plant or equipment to attain a safer alternative 4. Administrative Control – change the deployment of personnel to reduce exposure (job rotation, training, etc.) 5. PPE for personnel – select appropriate equipment / apparel to reduce risk / exposure
---	---

High Risk Activity	Reason for Identification as High Risk	Procedure/Safe Work Practice
	What are the reasons that the activity has been identified as high risk to safety or the environment?	
Excavation & Trench Protection	Trenches greater than 1.5 m deep requiring shoring/benching, long trench run/significant lengths of trench open	Ensure that trenches greater than 1.5 m deep are appropriately supported or benched, ensure that trenches that are left open are appropriately barricaded, backfill trenches as soon as possible
Head protection	Falling objects when working below other personnel and plant in trenches, deep trenches	Head protection to be worn at all time when working in trenches.
Manual handling	Significant amounts of temporary fence to be loaded/unloaded and installed/dismantled	Ensure correct lifting techniques are used, multiple personnel per fence panel where practicable
Working in Trenches	Unknown ground conditions, trenches greater than 1.5 m deep	Monitor ground condition and cease work immediately if unsafe to proceed, ensure appropriate trench protection (i.e. benching) are in place for trenches greater than 1.5 m deep, no entry to trenches without appropriate protection, ensure clear and unobstructed access and egress to trenches
Working with Construction Plan	Multiple plant working simultaneously	Ensure that visual contact is made with other plant operators, maintain strong communication through radio, operators to be competent and alert, personnel to give way to mobile plant, PPE to be worn at all times



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

6. Risk Monitoring Record

Controlling Measure or Activity Being Monitored	Date and Day of Inspection or Verification of the Monitoring																		Comments: If Control Measures are Different From Controls Detailed on the Risk Sheet					
	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T		F	S	S		

Responsible Employee: Name: Signature:

Delegated Employee to initial & date each day to verify the actual control methods were in place and working satisfactorily.



Mount Gambier Race Course Track Reconstruction QUALITY, WHS AND ENVIRONMENTAL

8. Emergency Contact Numbers:

General Manager:	Denis Hann	Mobile:	0428 767 551
Head Office:	GEM	Business Hours:	08 8725 4093
GEM Project Manager:	Adam Maywald	Business Hours:	0423 647 610
		After Hours:	0423 647 610
GEM Project Engineer:	Liam Hicks	Business Hours:	0407 799 512
		After Hours:	0407 799 512

Dial before you dig and Service Authorities for the purpose of Locating Services

Dial-Before-You-Dig	P: 1100
SA Power Networks	P: (08) 8292 0218
APA	P: (08) 8115 4500
NBN Co.	P: 1800 626 762
SA Water	P: (08) 7424 1117
Telstra	P: 1800 653 935

Emergency Services Safety Environment and Damage to a Service

Police Ambulance and Fire: 000
Mount Gambier Police Station: P: (08) 8735 1020 A: 42 Bay Road, Mount Gambier
Mount Gambier and Districts Hospital: P: (08) 8721 1200 A: 276-3000 Wehl Street North, Mount Gambier
Mount Gambier Fire Station: P: (08) 8725 0634 A: 20 Crouch Street South, Mount Gambier

Other Contact Numbers Appropriate to the Site or Project

--

Incident Notification Numbers (Project Manager to notify following a notifiable Incident):

Health & Safety:	Safework SA Workplace Accidents	P: 1800 777 290 P: 1800 777 209
Environment:	Environmental Protection Agency (SA)	1800 623 445



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 6

Attachment 2.1 (a)

GEM Combined Quality Health & Safety and Environmental Policy





Combined Quality, Health & Safety and Environmental Policy



Gambier Earth Movers Pty Ltd

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- Have zero workplace notifiable incidents and less lost time injuries than is annually targeted by the company through ongoing consultation on WHS matters
- Have zero reportable environmental breaches. To not increase any form of pollution in the vicinity of the project. Work with the client to improve the environmental integrity of the area in which we are to be working.
- Ensure our suppliers and subcontractors operate with the same objectives in mind, and
- Strive for continual improvement in service delivery through reviews and measurement of defect notices

We continuously monitor the IMS through System, Process and Management Review to ensure its ongoing suitability and improve our operations to achieve excellent safety, environmental, quality and cost standards. This enables us to respond to any client concerns in an efficient and effective manner, ensuring client satisfaction.

Management must regularly review this policy and the IMS as a whole to ensure that it remains relevant and appropriate. This policy is available to interested parties on request.

General Manager

Dated: 21 JUNE 2016

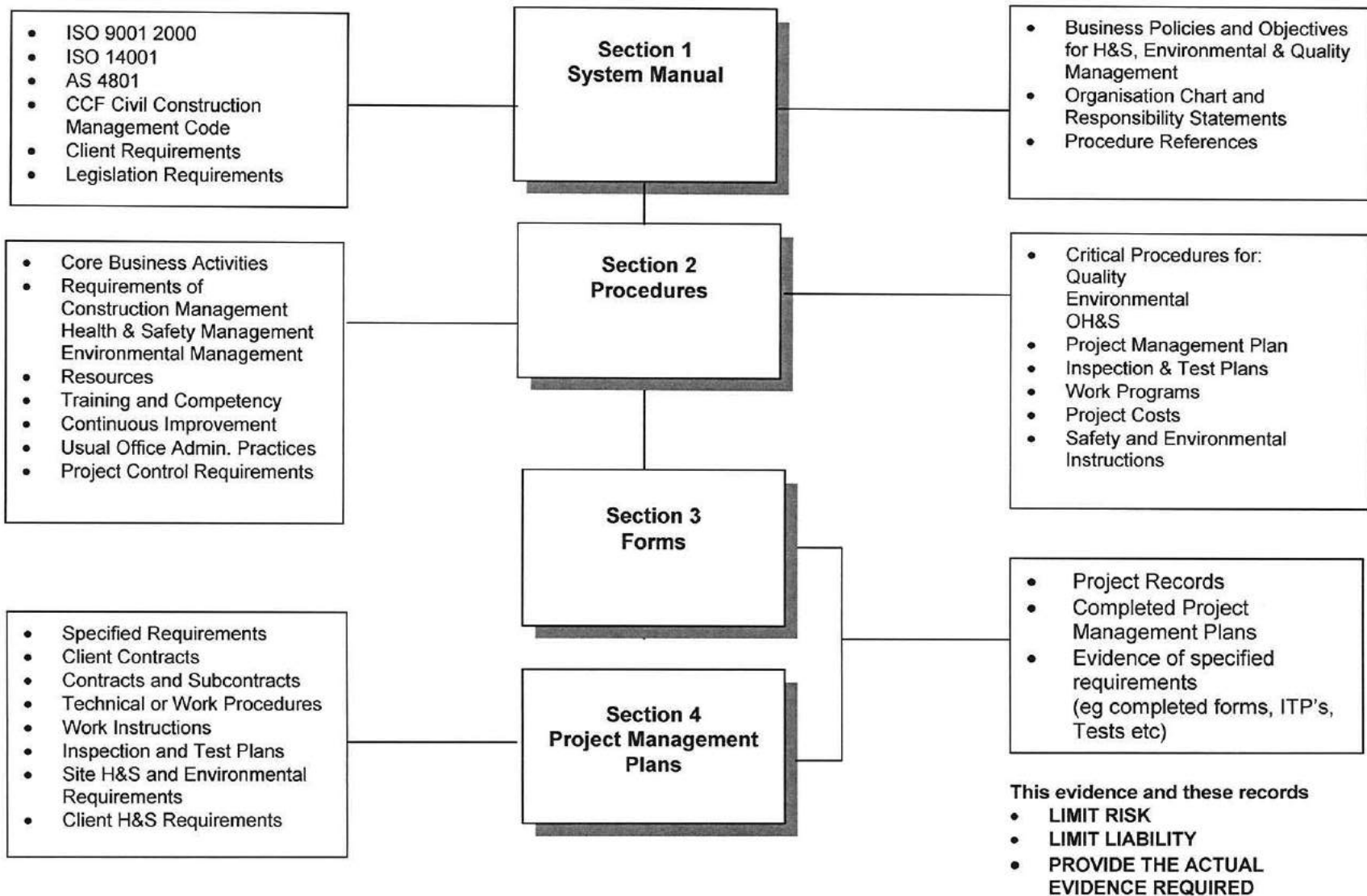


SCHEDULE 6

Attachment 2.1 (c) & (d)

IMS Sections Page

THE INTEGRATED MANAGEMENT SYSTEM

What you need



SCHEDULE 6

Attachment 2.1 (c) & (d)

Index IMS Manual



GEM-IMS Manual

INDEX

SECTION 1

Policies – Plans – Manuals

MAN Master Systems Manual
PLN - Environmental Example Plan
PLN - Quality-Safety-Environmental Objectives
POL - Environmental Policy
POL - Equal Opportunity Policy
POL - GEM Combined Quality Health & Safety and Environmental Policy
POL - Group Drugs and Alcohol Policy-Ver2
POL - Industrial Relations Policy
POL - Mobile Phone Policy
POL - Quality Policy Statement
POL - Smoking Policy
POL – Workplace Bullying Policy

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Company Management System Procedures

MSP-01 Tendering Quotations & Contracts
MSP-02 Managing Construction
MSP-03 Safety Construction
MSP-04 Environmental Management
MSP-05 Project Management Plan
MSP-06 Plant & Equipment Maintenance & Use
MSP-07 Subcontractors Hirers Suppliers & Consultants
MSP-08 Controlling Documents Plans & Data
MSP-09 Record & File Management
MSP-10 Corrective & Preventative Action
MSP-11 Internal Review
MSP-12 Business Improvements
MSP-13 Training & Competencies
MSP-14 Design Management
MSP-15 Human Resources
MSP-16 Industrial Relations
MSP-17 Sustainability Management
SP-01 Incident and Emergency Accident Procedure
SP-04 Grievance Handling Procedure
WHS Issue Resolution - Guideline
WHS Issue Resolution Procedure

SECTION 3

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WI 07-01	Assessment of Supplier
WI 14-01	Design Policy and Model

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DG Class 9 EPG-320
DG Class 9 EPG-A10E
DG Class 9 EPG-A35P
DG Class 9 EPG-S10E
DG Class 9 EPG-S35E
FL Class 3 EPG – 170 With Cutter
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FL Class 3 EPG - 1500H
FL Class 3 EPG – AMC4
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SGD-01	Complete Traffic Closure of Remote Track
SGD-02	Danger Tag & Lockout System
SGD-03	Emergency Management & Reporting
SGD-04	Excavation and Trench Protection
SGD-05	Eye Protection
SGD-06	Fire Protection and Control
SGD-07	Head Protection
SGD-08	Hearing and Noise Protection
SGD-09	Manual Handling
SGD-10	Occupational Hazards Tools, Minor Machinery & Equipment
SGD-11	Operating Construction Plant
SGD-12	Protection from Ultraviolet Radiation
SGD-13	Protection from Waste Needles and Syringes
SGD-14	Protective Clothing and Equipment Issue
SGD-15	Rehabilitation of Employees
SGD-16	Traffic Management
SGD-17	Work with Subcontract Lifting Plant
SGD-18	Working in Trenches
SGD-19	Working under Power Lines
SGD-20	Working with Construction Plant

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GEM-SWI-Backhoe
GEM-SWI-Bitelli SF102 Planer
GEM-SWI-Bitumen Sprayer

GEM-SWI-Blaw Knox Paver
GEM-SWI-Dozer
GEM-SWI-Dump Truck HM300
GEM-SWI-Excavator
GEM-SWI-Front End Loader
GEM-SWI-Grader – Compact
GEM-SWI-Grader
GEM-SWI-Ingersoll Rand PF2181 Paver
GEM-SWI-Low Loaders
GEM-SWI-Mobile Crushers, Screens & Conveyors
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Bitelli SF 102 C Planer-SWMS
Bitumen Sprayer-SWMS
Crushing Plant-SWMS
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Dump Truck-HM300-SWMS
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Grader (Compact)-SWMS
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Powerscreen Screening Plant-SWMS
Quarry Isolated Work-SWMS
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Scraper-SWMS
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Tractor-SWMS
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Water Truck Operation-SWMS

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EGD-02	Cleaning Plant & Machinery to Minimise Distribution of Weeds and Seeds
EGD-03	Clean Up after Concrete Delivery
EGD-04	Community Relations at the Workplace
EGD-05	Contaminated Material found During Site Works
EGD-06	Dewatering & Pumping Waste Water
EGD-07	Disposal of Prescribed Wastes
EGD-08	Erosion & Sediment Control
EGD-09	Excavation Soil Management
EGD-10	Flora and Fauna Protection before Grubbing and Clearing
EGD-11	Fuel and Chemical Spill Control and Clean Up
EGD-12	Heritage and Archaeology
EGD-13	Noise Pollution
EGD-14	Site Protection and Restoration of Vegetation
EGD-15	Site Visual Impacts and Amenities
EGD-16	Stopping Sedimentation in Drains and Waterways
EGD-17	Use of Energy
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EGD-19	Waste Minimisation & Recycling

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EPD-01	Effect on Water Quality
EPD-02	Identification & Protection of Flora & Fauna
EPD-03	Identification of Environmental Aspects and Impacts Risk Assessment and Control
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(Continued)

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Form-02-04 Multi Use Form
Form-02-05 Project Variation Register
Form-02-06 Testing Requisition Form
Form-02-07 Inspection & Test Plan
Form-02-08 Extension of Time Register
Form-02-09 WZTM Record Sheet-DTEI
Form-02-09 WZTM Record Sheet-General Works
Form-02-10 Project Site Establishment Checklist
Form-02-11 Toolbox Meeting & Minutes Form

Company Management System Forms for Procedures 1 to 13

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Form-03-03 Hazard Inspection calendar
Form-03-04 Workplace Inspection Form
Form-03-05 Mobile Plant Inspection Form
Form-03-05b Plant Inspection Form
Form-03-06 Depot Inspection Form
Form-03-07 Hazard Identification & Risk Assessment Form
Form-03-08 Safe Work Method Statement
Form-03-09 Accident Incident Report Form
Form-03-10 Accident Incident Investigation Form
Form-03-11 Accident Incident RegisterHazardous Chemical Register
Form-03-13 Legislation – Acts & Regulations
Form-03-14 First Aid Risk Assessment
Form-03-15 Site Visitor Induction FormForm-04-01 Environmental
Impact Analysis & Risk Control
Form-04-02 Environmental Breach Register
Form-06-01 Calibration Register
Form-07-01 Subcontract Procurement Checklist
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Form-09-02 Records
Form-10-01 Non-Conformance Log
Form-10-02 Non-Conformance Report
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Form-11-02 Internal Review or Audit Checklist
Form-11-03 Audit Report Form
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(Continued)

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GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 6

Attachment 2.2 (c)

FRM 03-09 Accident Incident Report Form



Accident / Incident Report Form

PART A: ACCIDENT / INCIDENT DETAILS

Project:	Report #:	Job No.	Injury No.
-----------------	------------------	----------------	-------------------

General Location on site:

Date of Accident/Incident:	/ /	Time:	am / pm	Date Of Report:	/ /
-----------------------------------	-----	--------------	---------	------------------------	-----

CLASS OF ACCIDENT/INCIDENT:

Class 1: Death, Permanent Disability, Major Structural, Damage

Class 2: Temporary Disability, Minor Structural Damage, LTI, MTI

Class 3: Minor Injury, First Aid Treated

TYPE OF ACCIDENT/INCIDENT:

Personal Injury

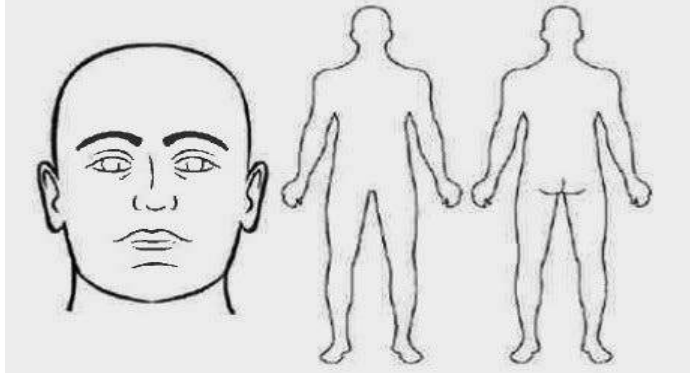
Dangerous Occurrence / Notifiable Incident

HOW ACCIDENT/INCIDENT OCCURRED:

PART B: INJURY DETAILS

NAME:		PH:	Male / Female
--------------	--	------------	----------------------

PART OF BODY INJURED (MARK BELOW WITH CIRCLE):



MECHANISM OF INJURY (TICK ONE):

Falls / Trips / Slips

Hitting Objects with Part of Body

Hit by Moving Objects

Sound / Pressure

Body Stressing / Manual Handling

Heat / Electricity

Chemicals / Other Substances

Biological Factors

Mental Stress

Vehicle Incident

NATURE OF INJURY:

1. Head / Intracranial

5. Burns

9. Foreign Body – Respiratory

2. Fractures

6. Injury to Spinal Cord

10. Electrocution

3. Laceration / Amputation

7. Joint / Ligament Damage

11. Diseases / Conditions

4. Internal Organ Damage

8. Foreign Body - Eyes

Detail:

PART C: RECORD OF TREATMENT

TYPE OF ONSITE TREATMENT:

MEDICALLY TREATED (CIRCLE): Yes / No

IF YES, WHERE TREATED: Medical Centre Hospital

LOST TIME INJURY (CIRCLE):

Yes / No

DAYS LOST:

FIRST AID OFFICER (PRINT NAME):

SIGNED:	DATE:
----------------	--------------



SCHEDULE 6

Attachment 2.3 (b)

Employee Competency Matrix





TRAINING SKILLS MATRIX

NO	Name	M/V Class	Backhoe - LB	Bulldozer - LZ	Excavator - LE	Dump Truck - HT/HS	F/E Loader - LL	Forklift - LF	Grader - LG/GS	Roller - LR/RS	Scraper - SS	Skidsteer - LS	Water Cart - WS	White Card - Training Date	Traffic Management - Expiry Date (3 yrs)	Forklift - Expiry date (5 yrs)	1st Aid - Expiry Date (3 yrs)
	GEM																
40	Allnutt Andrew	C						Y								30/09/16	6/06/16
235	Ashby Russell	HR				Y	Y			Y			Y	2/07/10			
62	Badenoch Steven	HC			Y	Y	Y							12/09/08			
173	Bald Matthew	HC					Y	Y						2/07/10		30/09/17	
43	Barker Ian	MR	Y	Y	Y	Y	Y							18/03/09			3/08/18
172	Bennett Stephen	HR					Y		Y					12/09/08			5/10/18
171	Bignell Milton	HC					Y							12/09/08			
288	Bilney Scott	C													10/09/17		
140	Bird Robert	MR				Y	Y			Y		Y		12/09/08	23/08/16		
240	Bishop Robert	MR	Y				Y			Y		Y		19/05/10	4/04/19		
289	Blacksell Noel	C						Y								15/09/15	
304	Bonnor Michael	HR		Y	Y	Y			Y	Y			Y	22/03/09			
313	Brand Tristian	C															
319	Brodie Christopher	MR			Y	Y						Y		3/12/15			
271	Buckingham Heath													27/05/19			
164	Burner David	HC		Y			Y		Y	Y	Y		Y	12/09/08			
161	Byrne Joseph	MC															
203	Calleja Kale	HR	Y		Y	Y	Y			Y		Y	Y	25/09/09	30/07/18		
230	Chant Milton	HC	Y		Y		Y		Y	Y		Y		18/03/09	30/07/18		23/09/18
316	Chant Wade	C												29/02/16			
265	Clark Christopher	HC	Y		Y	Y	Y		Y	Y		Y	Y				
272	Clausen Jason	MR					Y			Y				12/10/11	30/07/18		
306	Collins James	HC	Y		Y	Y	Y		Y	Y		Y		30/06/06			
277	Coombe Jason	MC	Y	Y	Y		Y		Y	Y							
311	Coulson Matthew	MR												15/01/10	16/02/17		
77	Davis Perria	HC					Y										
302	Dixon Damian	HC	Y		Y		Y					Y					
204	Dohnt Jamie	MC					Y	Y						2/07/10			
223	Dolan Thomas	C						Y								21/07/19	
19	Duncan Brian	HC												19/03/09	10/09/17		6/09/18



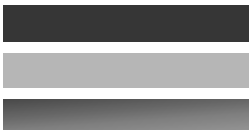
TRAINING SKILLS MATRIX

NO	Name	M/V Class	Backhoe - LB	Bulldozer - LZ	Excavator - LE	Dump Truck - HT/HS	F/E Loader - LL	Forklift - LF	Grader - LG/GS	Roller - LR/RS	Scraper - SS	Skidsteer - LS	Water Cart - WS	White Card - Training Date	Traffic Management - Expiry Date (3 yrs)	Forklift - Expiry date (5 yrs)	1st Aid - Expiry Date (3 yrs)
253	Dunne Conor	C												11/04/11	23/08/16		11/05/17
120	Ferguson David	HC					Y	Y				Y	Y	2/07/10			
315	Fisher Gregory	C												12/02/13		10/10/18	
222	Fox James	MC					Y							10/02/09			
42	Fulton Peter	HC		Y		Y							Y	11/08/09			
70	Gardner James	C					Y							14/05/11			
312	Garrigan Michael	HR												12/04/13			
245	Gilbert Bruce	MR					Y										
305	Hamilton Duncan	C												14/07/15	4/04/19		23/11/18
24	Hann Arthur	HR					Y			Y			Y	9/08/11			
18	Hann Daniel	C			Y	Y	Y			Y			Y	12/09/08			12/10/17
110	Hastings Mark	HC					Y							12/09/08			
176	Hayden Christopher	MR						Y						14/05/11			
76	Hillyer Shane	HC		Y	Y	Y	Y			Y			Y	18/03/09			
292	Hobbs Raymond	MC					Y	Y						30/06/09	18/06/17	31/08/16	
89	Humphries Barry	HC				Y	Y			Y			Y	12/09/08			
180	Jankowicz Frank	HR					Y										
14	Johnston Dennis	HC					Y	Y	Y	Y			Y	28/08/08	30/07/18	31/12/16	28/08/16
32	Jolley Gary	HR					Y	Y						12/09/08		30/06/16	
118	Kenny Ronald	HC					Y	Y	Y				Y	12/09/08	23/08/16	30/11/16	
106	Kerr Brian	MR	Y		Y		Y			Y			Y	12/09/08	30/07/18		16/09/16
244	Kerr Colin	HC					Y			Y		Y		14/05/11	30/07/18		
114	Knowles William	HC					Y			Y			Y	27/11/08	30/07/18		10/11/16
100	Kramins Andrew	HC					Y						Y	14/05/11			
243	Layley Rex	MR	Y		Y		Y					Y		14/04/10			
64	Lord Peter	HC			Y	Y	Y		Y					27/11/08	10/09/17		
317	Mahoney Jamie	HR															
67	Matthias Robert	HC					Y	Y								14/02/18	17/11/16
38	Maywald Adam	C												28/08/08	4/02/17		9/03/18
198	McDonald Michael	MR			Y		Y							12/09/08	4/04/19		
263	McKenny Matthew	MR					Y			Y		Y		15/02/12	22/03/17		
33	McLennan Geoffrey	HC					Y	Y									31/08/17
177	Moody Barrie	MC		Y	Y		Y	Y		Y			Y	31/05/12			17/09/19



TRAINING SKILLS MATRIX

NO	Name	M/V Class	Backhoe - LB	Bulldozer - LZ	Excavator - LE	Dump Truck - HT/HS	F/E Loader - LL	Forklift - LF	Grader - LG/GS	Roller - LR/RS	Scraper - SS	Skidsteer - LS	Water Cart - WS	White Card - Training Date	Traffic Management - Expiry Date (3 yrs)	Forklift - Expiry date (5 yrs)	1st Aid - Expiry Date (3 yrs)
83	Mullan Craig	HC	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	18/03/09		2/09/19	1/07/16
97	Mustart Richard	HC	Y		Y	Y	Y		Y	Y	Y		Y	12/09/08	30/07/18		
293	Neave Nicholas	C															
309	O'Hanlon-Joyce	MR												23/10/12	5/04/19		
273	O'Neil Adam	C			Y		Y					Y		4/08/11			
66	Plunkett James	MR						Y						14/05/11			
78	Podgorski John	MR					Y			Y							
294	Prunnell Jacob	HC				Y	Y	Y						24/04/12	5/04/19	17/06/18	
250	Richardson Mark	HC				Y	Y							14/05/11			
225	Rothall Simon	HC	Y		Y		Y					Y		2/07/10			
69	Scott Mark	HC					Y						Y	29/08/08			22/07/17
138	Shelton Ronald	MC					Y						Y	14/05/11			
299	Smith Christopher	HR	Y				Y							1/08/13			
134	Spehr John	HC					Y							12/09/08	30/07/18		
307	Sprakel Jake	C												12/11/15	5/04/19		
301	Sprakel Mark	HC	Y		Y		Y	Y				Y		5/02/04	6/04/19	16/01/20	
86	Stevens Gary	HR					Y	Y	Y					27/11/08			
71	Stevens Ross	HC						Y						14/05/11			23/09/18
182	Sutherland Brett			Y	Y	Y	Y							11/02/10			
2	Sutherland Glen	MC		Y	Y	Y	Y		Y		Y	Y	Y	28/08/08	30/07/18		
92	Sutherland Peter	HC		Y			Y			Y	Y		Y				27/04/19
214	Sutherland Shaun	C		Y			Y							28/08/08			
284	Taylor Adam	MR															
314	Vaughan Norman																
267	Von Dube Marcus	C	Y				Y			Y		Y		12/10/10	30/07/18		
45	Walker Neil	MC		Y	Y	Y	Y						Y	14/05/11			
279	Walker Sam	HC												22/03/13	10/09/17		
229	Williams Nicholas	HR					Y							11/08/09			
318	Wozniak Michael	HR					Y			Y			Y	12/05/11	12/08/17		



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 6

Attachment 2.4 (b)

FRM 03-04 Workplace Inspections Form





WORKPLACE INSPECTION FORM

Project:Date:Inspection Team:

Hazard Classification Key

(A) Serious rectify immediately (B) Hazardous program rectification (C) Satisfactory as it is

Prepare Defect Suggestion Report Form-10-02 for Safety Coordinator if category (A) or (B).

	A	B	C
General			
Subcontractor inducted			
New employee inducted			
PMP/Standard drawing file on site			
Emergency numbers displayed			
Safe work procedures followed			
Job diary page and records filled out			
Amenities			
Compound secure and safe			
Good house keeping compound and site			
Toilet clean and in good condition			
Amenities adequate for project			
Container & tool store satisfactory			
First Aid			
First aid kit and facilities on site			
First aid officer nominated			
Personal Protection Equip.			
Hearing protection available			
Safety footwear being worn			
Helmets worn where required			
Safety jackets worn if required			
Eye and sun protection available			
Excavation / Pipe Laying			
Trenching / pipe laying practice ok			
Ground support trench > 1.5m Details			
Mine Manger on site and nominated			
Lookout on top at all times if >1.5			
Barricade in place for open trench			
Materials stored correctly			
Defect materials isolated			
Material record sheet filled out			

	A	B	C
Plant and Equipment			
Waste oil and other waste collected			
Daily plant inspections and fault reports completed all Plant			
Subcontractors plant in good condition and inspected daily			
All operators competency tested			
Vehicles parked to reduce impact on road users and pedestrians			
Electric leads Inspected and tagged			
Power and Hand Tools in good condition			
Lifting Equipment in good condition			
Site Safety			
Hazard Analysis in PMP being used			
Warning signs, traffic and public in place as per road sign code			
Toolbox meeting records kept on site			
Inspect for Dangerous Goods			
Safety Data Sheets on site if needed			
Work practices inspected for any other potential hazards on site			
Potential for Confined Space Hazard			
Warning signs stacked and clean			
Existing services located			
Appropriate lighting for night work			
Environmental Management			
Environ analysis in PMP being used			
Inspect for extra Environ Hazards			
Erosion control arranged			
Sedimentation control arranged			
Clearing works limited to site only			
Control measures monitored			

General Comments:

Non-Conformance Report Form (FRM 10-02) and copy of Report given to WHS Coordinator: YES/NO - No's:

Signed (Inspection Officer):



SCHEDULE 7

INDEX

1. SGS Company Accreditation
2. CCF Audit Form
3. **SAMPLE** Environmental Management Plan



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 7

Attachment 1

SGS Company Accreditation



Certificate AU09/3458

The management system of

Gambier Earth Movers Pty Ltd

29 Avey Road, Mount Gambier, SA 5290
Australia

has been assessed and certified as meeting the requirements of

CCF Civil Construction Management Code

For the following activities

**Major and minor construction projects, plant hire, quarry products,
road pavement construction including bituminous pavement surfacing
(spray seal and asphalt) heavy haulage transport.**

**D1, DM1, E1, E2, E3, KP1, L2, P1, PH1, Q1, R1, R2, R3, RM1, S1, W1,
W2, O1 Other - Building & Landscape Supplies**

This certificate is valid from 16 November 2017 until 16 November 2018 and
remains valid subject to satisfactory audits.
Re certification audit due before 16 October 2018
Issue 9. Certified since September 2009



**SYSTEMS CERTIFIED
CONTRACTOR**

Authorised by

SGS Systems & Services Certification Pty Ltd
10/585 Blackburn Road, Notting Hill VIC 3168, Australia
t(61-3) 9574 3200 f(61-3) 9574 3399 www.au.sgs.com

JAS-ANZ



www.jas-anz.org/register

Page 1 of 1





SCHEDULE 7

Attachment 2

CCF Audit Form





CCF Contractor Management Systems Program

Compulsory Audit Checklist

To

Civil Contractors Federation

Civil Construction Management Code

Client: Gambier Earth Movers Pty Ltd

CCF Registration N°: P383/06 **CAB Audit N°** AU/SS/10404

(If previously Certified)

Client ABN: 93 007 644 126

CCF Scope of Works Code Reference: D1, DM1, E1, E2, E3, KP1, L2, P1, PH1, Q1, R1, R2, R3, RM1, S1, W1, W2,
Other (Building & Landscape Supplies)

Major and minor construction projects, plant hire, quarry products, road pavement construction including bituminous pavement surfacing (spray seal and asphalt) heavy haulage transport

Audit Company: SGS Australia Pty Ltd

Because Stakeholders (Tendering Authorities) are using the audit certificate as part of their Contractor Prequalification Program, the contractor must satisfy the questions on this checklist. CCF and Stakeholders require that evidence be provided for the questions in this checklist to the satisfaction of the Auditor.

The CCF audit report with a copy of this audit checklist shall be sent to CCF only when the contractor has demonstrated compliance with the Civil Construction Management Code requirements to the auditors satisfaction.

The auditor shall supply the contractor with a copy of this Audit Report, together with an overall Audit Summary. Any other details that the auditor thinks are necessary or helpful can be included also.

(CCF reserves the right to randomly audit this checklist and if necessary conduct an actual audit to ensure that the audit is to the standard set out in this checklist.)

As the auditor responsible for the audit and assessment against the CCF Civil Construction Management Code I confirm that I have not in the last three (3) years provided training or consultancy services to the Contractor to assist in development or implementation of their management system.

Auditor: Rohan Claessen

Date: 30/10/2017 – 01/11/2017

Audit Company: SGS Australia Pty Ltd

(Sign)



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 7

Attachment 3

SAMPLE Environmental Management Plan





**ENVIRONMENTAL MANAGEMENT PLAN
CONSTRUCTION WORKS**

BEACH ENERGY

HASELGROVE 3 EARTHWORKS

Gambier Earth Movers Pty Ltd

ENVIRONMENTAL MANAGEMENT PLAN

***NOTE**

This document is to directly compliment the Project Management Plan (PMP) and should be used in conjunction with it.

PMP: PMP-HG3-1

Environmental Management Plan Revision Record				
Revision	Date	Revision Description	Prep. By:	Authorised By:
0	17/05/2017	First issue	Adam Maywald	
1	10/07/2017	Second Issue	Adam Maywald	



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

PROJECT: HASELGROVE 3 - EARTHWORKS

The Manager has developed this Integrated EMP specifically for the above project. The ESMP includes details of the companies overall integrated management system, and critical issues associated with this project with regards to: Quality, Health and Safety and the Environment.

Company	Name and Address	Phone/ Fax
Gambier Earth Movers Pty Ltd	Office: 29 Avey Road Mount Gambier SA 5290	Phone: (08) 8725 4093 Fax: (08) 8723 0049
Project Manager & Environmental Coordinator (Responsible for Implementing PMP and EMP)	Adam Maywald	Mobile: 0423 647 610
Project Engineer	Conor Dunne	Mobile: 0448 867 449
Works Supervisor RW Solutions (If Applicable)	TBA	Mobile:
Client Details (Council or Principal) Representative	Beach Energy Chris Annear	Phone: (08) 8338 2833 M: 0407 338 228

Register of Controlled Environmental Management Plans Issued		
Location & Person Issued to	Date	Copy No.

Regular Review of the Project Management Plan by the Manager				
Date: 10/07/2017	Date:	Date:	Date:	Date
Sign:	Sign:	Sign:	Sign:	Sign



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

1. COMPANY POLICIES AND OBJECTIVES

Combined Quality, Health & Safety and Environmental Policy

The Company Policy is to:

- Work profitably with all our clients.
- Work with government authorities, private clients, consultants and subcontractors in an ethical and legal manner with written contract agreements.
- Deliver our projects to clients on time and on budget with the intention of satisfying the expectations of the client.
- Maintain a level of customer focus with the public that the clients and authorities would be expected to provide themselves.
- Providing evidence throughout that all works have been constructed in accordance with the contract specified requirements.
- Provide so far as is reasonably practicable, a safe working environment, safe plant and equipment and safe systems of work.
- Use toolbox meetings with employees and the client with the aim to work in a safe and healthy manner and to ensure environmental integrity is maintained on all projects.
- Use professional advice where necessary to ensure that our company satisfies the legal requirements of the Health and Safety and Environmental Protection Acts or any other legislation covering the projects we work on.

Our objectives are to:

- Maintain our prequalification status with the clients we work with.
- Maintain or target an increase in profit each year by reducing rework and minimising waste in all processes.
- Keep up with technology, plant and equipment changes.
- Provide employees with such information, training, instruction and supervision as may be necessary for them to safely perform their work.
- Provide a level of quality in our work that is not less than that specified within the contract.
- Ensure that any employee injured at work receives prompt treatment and rehabilitation so as to achieve a full recovery and timely return to work.
- Have zero workplace notifiable incidents and less lost time injuries than is annually targeted by the company.
- Maintain or improve in cooperation with the client, the environmental integrity of the areas we work in.
- Ensure our suppliers and subcontractors operate with the same objectives in mind.
- Strive for continued improvement of service delivery through measurement of waste and rework and reviews of the management system and our objectives.

We achieve this by having a suitably trained, competent and committed workforce who know and understand the company objectives and operations of our Management System.

We use a prepared management review agenda to set targets and review our objectives at regular intervals determined by the manager.



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

ENVIRONMENTAL POLICY - SPECIFIC

Environmental protection is among Gambier Earth Movers Pty Ltd (GEM) top priorities. We are committed to due diligence and continuous improvement of our environmental performance to minimise the impact of our operations on the environment and to prevent pollution. Guided by GEM policies, we strive to meet or surpass our environmental obligations and objectives in the following ways:

- Reduce the environmental impacts of our products and services, conserve resources and deliver products that are safe in use and can be re-used recycled or disposed of safely.
- Comply with applicable environmental standards and legislation on the environment and to prevent pollution, specifically:
 - SA EPA: Standard for the Production and Use of Waste Derived Fill
 - SA EPA: Guideline for Stockpile Management: Waste and Waste Derived Products for Recycling and Reuse
 - SA EPA Guideline: Liquid Storage – Bunding and Spill Management
 - SA EPA Guideline: Waste – Wastes Containing Asbestos – Removal, Transport and Disposal
 - SA EPA Consultancy Report: Re-use and Recycling of Clean Fill and Building and Demolition Waste
 - SA EPA Information Sheet: Construction Noise
 - SA EPA Guidelines for Environmental Management of On-Site Remediation
 - Environmental Protection Act (1993) – Clause 25
 - SA EPA Specification – Waste Derived Fill (2012)
 - SA EPA Guideline – Site Contamination (2008)
 - SE NRM Board – Water Affecting Activities Completion Notice
- Identify, review and manage the environmental aspects of our business.
- Encourage environmental awareness among our stakeholders.
- Educate, train and motivate our employees to carry out their tasks in an environmentally responsible manner.
- Ensure the Environmental Policy is communicated to all employees and available to public and other interested parties.

Signed Manager



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

2. METHODOLOGY

GEM's construction management team understand the unique circumstances and challenges posed by the project and have a long-established, working knowledge of requirements stipulated by the EPA, having had a number of agreements and licences in place for many years including landfill sites which are SA EPA accredited facilities for disposal of asbestos, Hotmix Production, and Solid and Contaminated Waste Transport to name a few.

Further, GEM acknowledge their General Environmental Duty under Part 4, Clause 25 of the SA Environmental Protection Act (1993).

For the Railway Lands Site Remediation Works, the specification calls for a site specific Environmental Management Plan (EMP) to be developed due to the scale and complexity of the project and the activities occurring within an environmentally significant and sensitive area. In developing these plans, EPA guidelines and best practise methods have been listed above including how to assess risk, prevent an environmental incident occurring, and how to manage incidents in the unfortunate event they do occur.

Specific environmental planning methodologies will feature later in this document (Detailed Methodologies).

Key to the EMP are the following components.

- Dust and air pollution
 - Minimise the amount of dust produced during the remediation by spraying down the site during works with onsite water.
 - Use best practise methods for clearing and grubbing, and rock drilling.
- Stockpile Management
 - Stockpile management will be governed by the EPA document: "Guideline for stockpile management: Waste and waste derived products for recycling and reuse" (2010).
 - Stockpiles will be heaped ≤ 3 m in height.
 - Stockpiles will be bunded as outlined in the aforementioned guidelines (where applicable)
 - Where possible locate stockpiles where they are protected from prevailing winds.
 - Manage onsite works so as to minimise the number of stockpiles present, stockpile areas and the time the stockpiles are exposed.
 - Locate stockpiles away from drainage lines at least 10m away from natural waterways and where they should be less susceptible to wind erosion.
 - Establish sediment controls around unstabilised stockpiles.
- Noise pollution
 - Due to the nature of the project it is likely that it will be quite noisy during working hours (i.e. due to moving plant and trucks.).
 - Operate plant only between the EPA approved times of 7am – 7pm on weekdays, and 7am – 5pm weekends.
 - Advise local residents and businesses of the intent to cause noise pollution during the works.



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

- **Vibration**
 - Advise local residents and businesses of the intent to cause vibration during the works.
 - All efforts will be made to keep vibration impacts to residents and businesses at a minimum, and will not be continued for extended periods of times.
 - Vibration monitors will be in use during the remediation works if called for by the Environmental Supervisor. If levels exceed EPA standards works will be stopped and the coordination of plant use will be reviewed.

- **Construction waste management**
 - Manage waste/demolished material and separated remediation waste stockpiles to ensure dust and sediment runoff is minimised and kept in an orderly fashion.
 - Damp down or cover stockpiles as required (as per stockpile management above).

- **Site contamination and contaminated material found onsite**
 - Make all practical efforts to contain the material and prevent cross contamination with other materials (where required).
 - Assessment of the contaminated material to be undertaken by the Environmental Supervisor to determine possible disposal / re-use options.

- **Asbestos removal and air quality monitoring (if encountered during works)**
 - Identification and removal of all known asbestos in the area and disposed of in an approved manner, with air quality monitoring for airborne asbestos fibres.

- **Rainfall runoff and sedimentation of drains and waterways**
 - Treat turbid water runoff to remove sediment prior to being allowed into the stormwater system or natural waterway. Treatment may be done by putting sand bags downstream of water flow, or placing turbid water into dam or tank to allow sediment to settle.
 - Erosion and sediment plans will be submitted for approval by the EPA and/or the client's Environmental Management Group (EMG) prior to commencement on site if required.
 - Make all efforts to retain rainfall runoff and remediation material runoff onsite.
 - Direct drainage paths away from stockpile areas.

- **Flora and Fauna**
 - Implement all measures to protect local vegetation and fauna habitat by planning the remediation process such that they will not impact on surrounding vegetation and that the site will be secure.
 - Visual checks throughout the project site by the Project Manager and the Environmental Supervisor.

- **Heritage and Archaeology**
 - Planned management of project to prevent damage or loss to heritage places and objects which would result in loss of cultural, historic and educational value to the community.
 - If any articles that may be of Aboriginal significance are uncovered, work in the area is to cease immediately and the project manager and Principle are notified. No work shall recommence until the Minister for Aboriginal Affairs and Reconciliation has provided written authorisation to do so.



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

- Hours of operation
 - EPA guidelines of 7am – 7pm.
 - Saturday works will be 7.00am to 2.00pm
 - All efforts to be made to keep remediation works to weekdays and not on weekends.
 - No works to be conducted on Sunday's or public holidays.
- Site visual impacts and amenities
 - Have vehicles entering/leaving site be mud free.
 - Regularly wash down and sweep surrounding roads to ensure they are kept clean of remediation waste and soil.
 - Keep general 'house-keeping' issues up to date with regular planned checks.
 - Keep site compound clean and tidy. Take all rubbish offsite in contained bags/bins for disposal.
- Disposal of a prescribed waste – if encountered onsite
 - Dispose of Environmental Protection Act Prescribed Wastes in an EPA licenced landfill.
 - Have a covered, mobile skip bin onsite that will be taken to Caroline Landfill.
- Storage of Fuels and Chemicals Onsite / Refuelling Onsite
 - No storage of fuels or refuelling will be done onsite
- Community relations and impact to surrounding residents and businesses
 - Keep adjacent residents and businesses regularly updated of progress and upcoming events.
- Audits
 - 1 planned audit is scheduled for the works as due to works taking up to 4 weeks long.
 - However there will be regular monitoring of the work site and pre-start meetings where environmental issues can be raised.
 - Any issues arising from the regular onsite monitoring will invoke the procedures of this document.

Waste Derived Fill Specification

Further to Clause 25 of the Environmental Protection Act, all requirements of the EPA's Waste Derived Fill Specification (2012) will be adhered to including:

- The prevention of blending or diluting waste in order to satisfy the physical or chemical characteristics required by this specification.
- Sampling and testing of waste to ensure it meets the physical and chemical requirements to be re-used as fill material.



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

3. SYSTEM MANAGEMENT PROCEDURES TO BE USED

Applicable Procedures	
Ref No	Title
GEM-MSP-01	Tendering and Contracts
GEM-MSP-02	Managing Construction
GEM-MSP-03	Safety Management
GEM-MSP-04	Environmental Management - Attached
GEM-MSP-05	Project Management Plan
GEM-MSP-06	Plant and Equipment
GEM-MSP-07	Purchasing Subcontractors Suppliers and Consultants
GEM-MSP-08	Controlling Documents and Data
GEM-MSP-09	Record and File Management
GEM-MSP-10	Defects and Suggestions
GEM-MSP-11	Internal Review System and Project Management Plan
GEM-MSP-12	Business Improvements and Annual Management Review
GEM-MSP-13	Training and Competency
GEM-MSP-14	Design Control (Not Prepared Yet)



ENVIRONMENTAL MANAGEMENT PLAN

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4. PRE-COMMENCEMENT CHECKLISTS

- YES** – A tick in this box indicates that the activity has been considered and is addressed
- TBD** – **(TO BE DONE)** A tick in this box indicates that the activity has not been considered and must be addressed prior to commencement or prior to that activity starting.
- N/A** – A tick in this box indicates that the activity does not apply to this project.

Induction, Training & Auditing During Project	Planned	N/A
New Employees or New tasks. Require Induction and Training with regards to Work Method, Health & Safety or Environment Issues.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Client requires employees and subcontractors of GEM to have OH&S and or Environmental Induction with regards to the client's system, site or buildings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Site Induction is planned and will be the first Toolbox Meeting. All employees and Subcontractors will be Included in all Site Induction and new Training. Refer to GEM-MSP-04 above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Training Instruction or Supervision in Handling of Materials or Dangerous Goods involved in the work is required.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Training in Emergency Response for Environmental Incident.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Training in Emergency / Accident Procedure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Details of other training on this project: Site Specific Induction, SWMS inductions	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*Note
Inductions will include making ALL personnel aware of identified environmental issues.



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

5. JOB SPECIFIC ENVIRONMENTAL ANALYSIS (RISK IDENTIFICATION AND CONTROL)

Work Activity Risk ENVIRONMENTAL eg	Probability High Medium Low	Significance of Impact High Medium Low	Risk Level High Medium Low	Risk Control Procedures		
				Existing Control Procedures (List Procedure and Discuss at Toolbox Meeting if Risk is High or Medium)	No Control Procedures Required (Discuss at Toolbox Meeting)	New Control Procedures Required (Complete procedures and discuss at Toolbox Meeting)
Clean up after Concrete Delivery	L	L	L	GEM-EI-01		
Fuel & Chemical Spill	L	H	L	GEM-EGD-11		
Erosion Control on Construction Site	L	L	L	GEM-EI-03		
Noise Pollution	H	M	L	GEM-EGD-13		
Dust & Air Pollution	H	M	M	GEM-EGD-01		
Vibration Control	M	M	M	GEM-EI-06		
Soil Management	L	L	L	GEM-EI-07		
Dewatering & Pumping Waste Water	L	L	L	GEM-EI-08		
Contaminated Material found on Site	L	L	L	GEM-EI-09		
Clean Plant on Site	L	L	L	GEM-EI-10		
Flora & Fauna Insp Before Grubbing Site	L	L	L	GEM-EI-11		
Site Protection & Restoration re Vegetation & Fauna	M	M	M	GEM-EI-12		
Sedimentation of Drains or Waterways	L	L	L	GEM-EI-13		
Disposal of Prescribed Waste	L	L	L	GEM-EI-14		
Site Visual Impacts & Amenities	L	L	L	GEM-EI-15		
Heritage & Archaeology	L	H	M	GEM-EGD-12		
Community Relations at the Workplace	H	H	H	GEM-EGD-04		
Use of Energy	L	L	L	GEM-EI-19		



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

High Risks Identified in above JSEA

Risk	Reason for Identification as High Risk	Procedure / Safe Work Practice
Fuel and chemical spill.	Fuel spill could potentially contaminate the surrounding ground.	<ul style="list-style-type: none">• Refuel onsite only in a bunded area.• Do not store fuels onsite.• Do not store chemicals onsite unless written approval from the principle.
Noise Pollution	Use of noisy machines onsite.	<ul style="list-style-type: none">• All personnel within works area to wear ear protection.• Works only between 7am and 7pm weekdays.
Dust and Air Pollution	Clearing and grubbing, and use of heavy machinery.	<ul style="list-style-type: none">• All personnel within the works area to wear dust masks.• Damp down works with onsite water to suppress dust as much as possible.
Heritage & Archaeology	Although the works site is disturbed ground (i.e. in a pine plantation), it is still considered a greenfield site, and hence possible local artefacts may be present.	<ul style="list-style-type: none">• Follow the attached guidelines for identifying and managing Aboriginal sites.
Community Relations at the Workplace	Due to some local opposition to the project, there is a potential for local protests and abuse from protesters.	<ul style="list-style-type: none">• All personnel working onsite are to be made known of the confidentiality agreement that has been signed by GEM.• Do not engage in any conversation with any person(s) who are not part of the project.• If abused, contact the local police and project manager.• Wear appropriate PPE at all times.• Lock plant at the end of the day.



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

6. PROCESS CONTROL DOCUMENTS TO BE USED

The Manager shall indicate those documents to use by ticking the column against the document

Number	Controlling Documents	Supporting Procedures	Comment	Check
1	GEM-MSP-04 – Environmental Management	Refer to GEM-MSP-04	See attachments	
		GEM-EP-02 - "Emergency Procedure for an Environmental Incident"	See attachments	

List of Subcontractors Procedures & Verification Checklist or records to be used for this Project

1	Cameron Lock Surveyors	JSEA			
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ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

7. EMERGENCY CONTACT NUMBERS:

General Manager: Denis Hann	Business Hours:	(08) 8725 4093
Head Office: Gambier Earth Mover	Business Hours:	(08) 8725 4093
Project Manager: Adam Maywald	Business Hours:	0423 647 610
	After Hours:	0423 647 610
Project Engineer: Conor Dunne	Business Hours:	0448 867 449
	After Hours:	0448 867 449
Works Supervisor: (RW Solutions)	Business Hours:	
	After Hours:	

DIAL before you dig and Service Authorities for the purpose of Locating Services & Reporting Damages
Emergency Services, Safety and the Environment

Police, Ambulance and Fire: 000	
Local Hospital: Penola War Memorial Hospital Inc. 18 Church Street, Penola, SA, 5277 Phone: (08) 8737 2311	Local Police: 24 Church Street, Penola, SA, 5277 (08) 8737 2315
Local Doctor:	Local Fire: Penola CFS (08) 8737 2386
Environment Protection Authority (EPA): Incident Reporting & Complaints: 1800 623 445	CFS: 1300 362 361

Other Contact Numbers Appropriate to the Site or Project



ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

Overall Management:	Beach Energy
Supervisor:	Chris Annear
Mobile No.:	0407 338 228
Environmental Management:	As above

Incident Notification Numbers (Manager to notify following a notifiable Incident):

Health & Safety Occupational Health & Safety (Safework SA) Workplace Accidents	1300 365 255 1800 777 209
Environment Alex Czura, SA Water Environmental Officer	0433 122 655

Others

SAMPLE

Detailed Methodologies

Note: Each environmental aspect is listed with a best practice or reference of legislation as a recommendation in the following pages.

1. Sediment Control

Objective

The objective is to protect open drains and natural drainage lines from sedimentation deposits by minimising erosion of lands and transportation of sediments during construction.

Control Measures

The following measures should be undertaken to minimise erosion.

- Set up silt traps to stop sediment laden rainwater going into drains. When sediment traps are up to 1/3 full of silt, the silt should be removed.
- All sediment laden water is not to be discharged to drains.
- Keep land clearance and exposed soil to a minimum.
- Avoid highly erodible soils and steep slopes.
- Revegetate progressively as each section of works is completed.
- Minimise vehicles going into exposed soil areas.
- Divert clean stormwater by small levees away from those parts of site where the soil is exposed.
- Cover or revegetate stockpiles as soon as practicable.
- Where practicable, all trenches should be backfilled at the end of the working day.
- Machine activity is to be kept to an absolute minimum.
- Construction plant and machinery is to remain within the construction site for the duration of the contract, thus limiting the transfer of mud from the site and also the transportation of weeds.
- All drainage channels carrying stormwater runoff are to be stabilised.

Best Practice / References

Through compliance with regulations, environment protection will be achieved.

EPA Publication 275 Construction Techniques for Sediment Pollution Control.

EPA Publication 480 Environment Guidelines for Major Construction Sites.

“A property owner’s guide to managing healthy urban creeks”, Government of South Australia Adelaide and Mount Lofty Ranges Natural Resources Management Board, 2009.

“Stormwater Pollution Prevention”, EPA Government of South Australia, 1999, <

<http://www.epa.sa.gov.au/pdfs/bccop1.pdf> >

2. Dewatering of Work Sites

Objective

To ensure that dewatering operations do not result in turbid water entering natural waterways.

Control Measures

- Treat turbid water to remove sediment prior to being pumped into stormwater system or natural waterway. Treatment may be done by placing turbid water into dam or tank to allow sediment to settle.

- De-water by pumping water, wherever practicable on to vegetated areas of sufficient width to remove suspended soil or to sediment control devices.

Best Practice / References

Draft Best Practice Environmental Management Guidelines for Urban Stormwater.

Australia New Zealand Environment Conservation Council, "Guidelines for Groundwater protection in Australia".

Australia New Zealand Environment Conservation Council, "Australian Water Quality Guidelines for Fresh and Marine Waters", Nov 1992.

Analysis of Water Quality indicators such as suspended solids, Ph, and Oil/grease by a NATA accredited laboratory.

Turbidity & pH field-testing using site gauges.

3. Erosion & Dust Control

Objective

To minimise / avoid the health risks or loss of amenity due to emission of dust to the environment and the loss of soil from the environment.

Control Measures

- Endeavour to minimise the use of material stockpiles onsite by regularly removing the excavated material from the site throughout the working day to an appropriate disposal site (e.g. EPA Registered Landfill).
- If stockpiles are used, ensure there is an appropriate barrier (silt fencing) around the stockpile/s to prevent excavated material from spreading.
- Ensure that the area of cleared land is minimised during the drier months of the year when dust generation is at its greatest.
- Implement dust suppression measures such as promptly watering exposed areas when visible dust is observed.
- Use geotextile fabrics to cover stock piles and unvegetated areas.
- Locate stockpiles where they are protected from wind.
- Minimise the number of stockpiles, the areas and the time stockpiles are exposed.
- Smooth surfaces should be deep ripped and left rough and cloddy to reduce wind velocity at the soil surface.
- All sediment laden water is not to be discharged to drains.
- On prone areas; keep on-site vehicle speeds at less than 10km/h.
- Avoid works near residential areas when wind blows dust towards such areas. If work is unavoidable, suppress dust with appropriate control measure.

Best Practice / References

Dust measurement is to be by observation of the site and by comment from affected residents.

Review of complaint register used to assess whether objective has been met.

EPA Publication 480 Environmental Guidelines for Major Construction Sites.

4. Air Quality (Plant Emissions and Other Discharges to Air)

Objective

To ensure there is no health risk or loss of amenity due to emission of exhaust gases or other discharges to the environment.

Control Measures

- Vehicles and machinery to be maintained regularly and serviced to the manufacturer's specifications.
- All vehicles, plant and machinery to be fitted with appropriate emission control equipment.
- Generally if smoke is visible after 10 to 15 seconds of engine start-up or during normal operation, the vehicle may need to be serviced.
- Vegetation, building materials (such as timbers) must not be burned off. Vegetation should be mulched. Construction materials such as timber should be recycled.

Best Practice / References

If plant or machinery is emitting visible smoke continuously for longer than 10 – 15 seconds, during normal operation, then it will be serviced or replaced.

All vegetation is mulched and all construction timber is recycled.

5. Noise and Vibration

Objective

To ensure that nuisance from noise and vibration does not occur.

Control Measures

- Employ noise and vibration monitoring apparatus.
- Working hours to be in keeping with the local By-laws and EPA Noise guidelines.
- Limit rock breaking operations to the hours of 8am to 4.30pm Monday to Friday.
- Advise local residents when blasting should commence and expected time that blasting should continue.
- Advise local residents when unavoidable out of hours work should occur.
- Fit and maintain appropriate mufflers on earthmoving and other vehicles on site.

Best Practice / References

No damage to buildings/ structures.

Zero complaints from residents, public, client, council or EPA.

6. Construction Waste Management

Objective

To minimise generation of solid wastes from construction activities and to appropriately dispose of generated solid waste.

Control Measures

- All solid wastes should be separated and placed in appropriately designed storage areas during construction for recycling.
- As part of Progressive rehabilitation of areas any solid waste or spoil material should be removed from site and disposed of appropriately. Work and surrounding areas should be maintained in a tidy condition.
- There should be no vegetation burning. All waste vegetation should be chipped or mulched on-site and reused or appropriately disposed of.
- Weeds are to be disposed of off site in appropriate disposal facilities.
- Wastes should be collected for recycling and or disposal at Local Government or Licensed designated sites.

- Maintain a high quality of housekeeping and ensure that materials are not left where they can be washed or blown away to become litter.
- Sending waste concrete from demolition to a concrete recycler instead of landfill.
- Using overburden to construct temporary noise barriers.
- Collecting lubricating oil from the construction vehicle fleet and sending it to a recycler.
- Collect steel, timber, concrete and plastic waste into recycling bins and arrange to be sent to recycler.

Best Practice / References

Once targets for waste minimisation have been set, maintain data and convert this to cost savings where possible.

7. Storage of Fuels & Chemicals on Site/Refuelling Onsite

Objective

To ensure that chemicals and fuel storage is safe and that any materials that escape do not cause environmental damage such as groundwater or soil contamination.

Control Measures

- Minimise chemicals and fuel stored on site.
- Store dangerous chemicals in a roofed and bunded area with an impervious floor, separated and signed as required by relevant codes and standards.
- Store fuels and other hazardous materials in appropriately bunded structures away from creeks and drainage lines.
- Bunds should be impervious to prevent spilled product from escaping.
- When refueling plant or fuel storage containers onsite, ensure fuelling area is a disturbed site, clear of any waterways.
- Any spillage should be cleaned up immediately.
- Where possible store each type of chemical/ fuel in a separate area so that spilled product can be retrieved and re-used (providing that it has not been contaminated with water or other debris).
- Maintain a list of chemicals and other potentially hazardous materials and Material Safety Data Sheets.
- Restrict the area in which hazardous materials can be stored during construction works.
- No plant maintenance to be carried out on site.

Best Practice / References

Australian Standard 1940 – The Storage and Handling of Flammable and Combustible Liquids.
EPA Bunding Guideline.
Implement a contingency plan to handle spills, so that environmental damage is avoided.

8. Dirty Roads

Objective

To ensure that roads are kept clean of soil.

Control Measures

- Prevention of soil being deposited on roads is preferable to cleaning them afterwards.

- All loads of soil being transported for off-site disposal should be covered.
- If required, install litter traps lined with filter cloth in all side entry pits.
- If required, roads are to be swept or washed down.
- Clean vehicles prior to site exit.

Best Practice / References

No dirt on roads.

9. Management of Stockpiles

Objective

To manage soil stockpiles so that dust and sediment in run-off is minimised.

Control Measures

- Minimise the number of stockpiles, and the area and the time stockpiles are exposed.
- Locate stockpiles away from drainage lines at least 10m away from natural waterways and where they should be less susceptible to wind erosion.
- Ensure that stockpiles have slopes no greater than 2:1 (horizontal: vertical).
- Stabilise stockpiles if left more than 28 days by covering with anchored fabric or by seeding.
- Establish sediment controls around unstabilised stockpiles.
- Suppress dust generation from stockpiles as circumstance demand.
- Stockpiles should not be located under the drip line of trees or across drainage lines or gutters.

Best Practice / References

EPA Publication 275 Environmental Guidelines for Major Construction Sites.

10. Vegetation

11.

Objective

To protect indigenous vegetation and habit in construction works area and to reinstate vegetation and habitat as the works progress.

Issues

- Weed contamination in construction works area.
- Soil compaction especially under tree canopy.
- Protection of indigenous vegetation.
- Protection of topsoil.

Control Measures

- Check site to assess if there are noxious weeds. Contact local Natural Resource Management Board or visit www.weeds.gov.au to find out what are noxious weeds.
- If there are noxious weeds, you must ensure that any noxious weed part or seed is not taken out of the site.

- To control weed contamination of site, trucks and other construction plant should not move from areas where there is significant weed contamination to areas where there is minimal weed contamination.
- Prior to commencing work on site, all construction equipment and trucks shall be free of weed contamination.
- Works to be programmed to minimise the potential for weed contamination. Trucks should start work in minimal weed contaminated areas and move to areas where there is a higher degree of weed contamination.
- All construction vehicles to be prevented from travelling too close to trees or under a tree canopy (see picture below).
- Vehicular traffic should be prevented from travelling close to trees by placing some star pickets and webbing around the tree.
- Appropriate treatment and disposal of removed vegetation.
- Implementation of a rehabilitation program of land that has been disturbed by construction activities.
- Program to include landscaping using a diversity of local and indigenous plant/grass species.
- Topsoil should be stockpiled and returned to the site from which it was removed with the original contours.
- If working in an area where there is a risk of bushfires, take measures to prevent activities causing a bushfire. Works need to be undertaken in accordance with the South Australian Fire and Emergency Services Act and Regulations 2005. This will include, but is not limited to:
 - A person must not, during the fire danger season, drive a vehicle (driven by an internal combustion engine) within 2 m of any flammable bush or grass unless fitted with a spark arrester in good working order.
 - No smoking on site within 2 metres of flammable bush or grass.
 - Vehicles to be parked away from bush and grass. Vehicles should be parked in a bare earth area.
 - All vehicles should be fitted with fire extinguishers.
 - If hot works are proposed for total fire ban days, a permit application will be submitted to the CFS.

All fires to be reported to appropriate personnel and authorities.

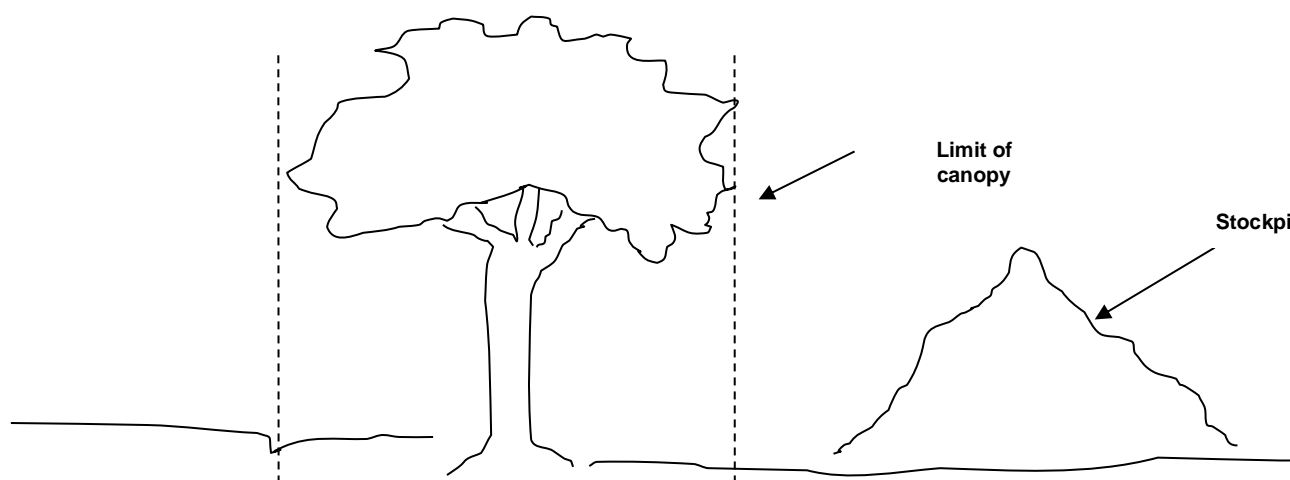
- If soil compaction has occurred the soil should be loosened to ensure that plant growth is not inhibited and that infiltration of water to the soil layer can occur.
- In pasture or recreation areas, grasses should be sown appropriate to the use of the site in consultation with the local council and landowners.
- Materials for rehabilitation should be from areas which are not infested with weeds or other exotic flora.
- The sources should be checked for weeds prior to transportation to site. Require supplier to supply non-contaminated materials and check at delivery.
- The works are programmed to ensure that weed-infested soil, vegetation and chipped mulch does not get transported to other parts of site during the course of the works.
- Define work and exclusion areas ie fencing.

Best Practice / References

“Bush Regeneration”, Buchanan, 1989.

“Native vegetation and Biodiversity: Essential information for the developer” Fact Sheet 90, Government of South Australia Department of Water, Land and Biodiversity Conservation, 2004, <http://www.dwlbc.sa.gov.au/assets/files/fs0090_NV_bio.pdf >

Clearance from tree:



12. Protection of Fauna

Objective

To protect native vertebrate fauna from being trapped.

Control Measures

- All open trenches should be inspected prior to commencement of work each day for trapped vertebrate fauna such as frogs, reptiles, birds or mammals.
- If it is found that there are trapped vertebrate fauna in open trenches then an appropriate shelter for animals should be contacted to remove it from the trench.
- Wherever possible ensure that all trenches are backfilled each night.
- All shafts should be covered at the end of each working day to prevent vertebrate fauna from entering.
- Before excavating or dumping soil, check if there are any animals such as lizards or frogs.

Best Practice / References

Seek expert advice from Department of Natural Resources and Environment and the RSPCA.

13. Heritage & Archaeology

To prevent damage or loss to heritage places and objects which would result in loss of cultural, historic and educational value to the community.

Control Measures

- If any articles that may be of Aboriginal significance are uncovered, work in the area is to cease immediately and the project manager notified. No work shall recommence until the Minister for Aboriginal Affairs and Reconciliation has provided written authorisation to do so.
- Fence heritage or archaeological site.
- Place signs to indicate area is a “no go” area.
- Ensure that the appropriate permits / authorisations have been received prior to commencing work (as stated in dot point one above).
- Protection of scar trees.

Best Practice / References

Not to lose, destroy or deface any sites of historical or archaeological significance.

“Heritage Information Leaflet 1.2: Guidelines to Approaches for Conserving Heritage Places”, 2006, Government of South Australia Department for Environment and Heritage, <

http://www.environment.sa.gov.au/heritage/leaf1_2.html >

“Heritage Places Act 1993”, South Australia, Part 5, Sections 26, 27, 28, 29,

<

<http://www.legislation.sa.gov.au/LZ/C/A/HERITAGE%20PLACES%20ACT%201993/CURRENT/1993.56.UN.PDF> >

Monitoring

Monitoring should be in accordance with Appendix 1 Environmental Monitoring plan. Monitoring of control measures should be verified using Section 12 of Project Management Plan.

Corrective Action

All environmental incidences and breaches should be logged using Defect Suggestion Nonconformance Compliant Log, GEM Form 10-01. Defect Suggestion Report, GEMForm10-02 should be completed for each environmental breach or incident.

14. Energy Use

To minimise the use of non-renewable energy.

Control Measures

- Do not leave machinery or vehicle engines on when this is not necessary.
- Switch off lights when rooms are not used.
- In carrying out your project, work out the best way to carry out your activities that uses least amounts of energy. For example: use smaller plant if it can do the just as well as bigger plant.

15. Concrete and Masonry

To minimise pollution of drains or soil from concreting operations.

Control Measures

- Concrete Pumps operating on roads or near drains must set up bunds to stop any potential spills.



- Dirty water from washing concrete mixers or from concrete or masonry cutting machines must not be allowed to flow into drains. It must be captured and allow sediment to settle. Sediment is then disposed in appropriate waste treatment facility.

16. Contaminated Land/Materials Found During Works

Objective

To identify contaminated material, isolate the material and if possible the source. Assessment of the contaminated material to be undertaken to determine possible disposal / re-use options. This includes asbestos.

Control Measures

- All asbestos to be removed by an accredited asbestos removal licence holder, and disposed of at an EPA licenced facility.
- Contaminated soil to be separated and stored covered on an impervious surface until sampling and disposal by a licensed contractor can be arranged.
- For any re-fuelling occurring onsite a spill kit will be available at all times. This will be kept in:
 - The fuel truck or the operators machine
 - Site hut
- Notify the ENGINEER or SUPERVISOR.
- Remove and isolate if the material is disturbed and small in quantity.
- Stop work and barricade off if contaminated material is found in large quantities.
- Notify the superintendent for the client and determine who is responsible to remove or investigate further.



Appendix - 1 Environmental Monitoring Plan

Area of Risk	Purpose	Monitoring Requirements	Remedial Action	Responsibility
Noise & Vibration	Maintain noise and vibration nuisance for local residents to a minimum.	Daily as required.	Review and enhance noise and vibration control measures.	Engineer & / or Supervisor
Erosion & Dust Control	Determine whether a dust nuisance exists.	Daily during dry weather for dust deposits at locations that indicate impact on adjacent residents or at site boundary.	Improve controls on dust emissions. i.e., increase use of water spray or temporarily protect areas adjacent to workzone with geofabric blanket.	Engineer & / or Supervisor
Dewatering of Worksite & Sedimentation Controls	Determine whether the installation is operating effectively.	During dewatering operations 2 times a day.	Improve maintenance on system. Redesign type of sedimentation control used.	Engineer & / or Supervisor
Construction Waste	Ensure construction waste and litter is not a nuisance.	Daily before end of work day ie before 5pm.	Ensure bins for litter are available. Empty bins regularly. Clean up litter daily. Speak to employees about litter disposal.	Engineer & / or Supervisor
Dangerous Goods ie Fuels and Chemicals	Prevent a chemical spill.	Daily before end of work day ie before 5pm.	Clean up contaminated area Ensure appropriate bunding. If inappropriate improve bunding.	Engineer & / or Supervisor
Dirty Roads	Prevent soil on roads.	Daily before end of work day ie before 5pm.	Ensure that trucks taking soil off site are covered. Implement program for cleaning of roads if required.	Engineer & / or Supervisor



Heritage & Archaeology	Heritage item protection	Daily before end of work day ie. before 5pm (where required).	Place fencing & "no go" signs around the heritage or archaeological site.	Engineer & / or Supervisor
Contaminated Land/Materials Found During Works	Identification of contaminated material.	Daily as required.	Isolate and quarantine material. Stop work until sampling and disposal/reuse procedures are undertaken and approved.	Engineer & / or Supervisor

ATTACHMENTS

- MSP-04: Environmental Management
- Emergency Procedure for an Environmental Incident

Introduction

We use this procedure to ensure that the:

- Environmental aspects are identified for each project
- Impacts are analysed and
- Appropriate action is taken and implemented to control the risks

The MANAGER is responsible for supplying the resources and training needed to implement the provisions of this procedure.

The MANAGER and ENVIRONMENTAL COORDINATOR are responsible for reviewing projects, approving of the control actions and completion of the Project Management Plan.

The FOREMAN is responsible for implementing and supervising the control actions and identifying and reporting environmental breaches or additional aspects that should be considered in relation to the project.

We use Toolbox meetings whenever we need to pass on information to the employees or to discuss and resolve safety issues to make our work safer.

INPUT	ACTIVITIES	OUTPUT
<ul style="list-style-type: none"> • Project Requirements • Construction Site • Plant Hazard Inspection Report • Worksite Hazard Inspection Report • Depot Hazard and Inspection Report 	<p>1. Review and Identify the Environmental Issues of the Project</p> <ul style="list-style-type: none"> • Review prior to work commencing <p>The MANAGER and ENVIRONMENTAL COORDINATOR has the responsibility to ensure that all projects are reviewed for possible environmental issues prior to commencing, and the evidence of the review is recorded in the pre commencement section and job specific analysis of the PMP. This task may be delegated to an outside consultant if necessary.</p> <p>The MANAGER is responsible to make sure that any employee given the task of identifying the issues is competent and experienced in identifying aspects or issues. The list of issues while prepared prior to the commencement of works can be added to at any time during the works by suggestions from staff or employees, following the toolbox meetings or as a result of a regular site hazard inspection.</p> <p>Completing the pre commencement section of the PMP identifies the Environmental Aspects or Hazards. The MANAGER or ENVIRONMENTAL COORDINATOR ticks the</p>	<ul style="list-style-type: none"> • Project Management Plan PMP • Job Specific Analysis – Work Activity Effects on the Environment



MSP-04: ENVIRONMENTAL MANAGEMENT

	<p>list of existing hazards all ready with action plans or environmental instruction, and lists any other potential hazards within the Site Environmental Analysis section of the PMP.</p>	
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	<p><i>Review and Identify the Environmental Issues of the Project Continued</i></p> <p>Previous hazards that have been controlled with Environmental instructions are listed in the analysis as a prompt to their presence and also to allow them to have the risks assessed for this project.</p> <ul style="list-style-type: none"> • Regular Hazard or (Impact) Inspections <p>The MANAGER in his role as ENVIRONMENTAL COORDINATOR and if necessary an outside qualified Consultant is responsible for carrying out regular inspections for Environmental Issues and Health and Safety Hazards on work-sites, central yards and plant and equipment. The timing of the inspections is programmed on the form GEM-Form-03-08 which is a Safety and Environmental Hazard Inspection Calendar. The environmental inspections must as a minimum cover all environmental hazards identified for the project and applicable legal and contractual environmental requirements.</p> <p>Inspections are recorded on prepared checklists GEM-Form-03-01, 02&03. Issues identified are recorded on a defect suggestion report and processed in accordance with Procedure 10. If the issue is serious or obvious that analysis is required, then it shall be recorded immediately on the Environmental Impact Analysis & Risk Control GEM-Form-04-01 and analysed in accordance with clause 2 below.</p> <p>These inspection forms when completed are filed in the</p> <ul style="list-style-type: none"> • Contract File for Worksite Inspections • Plant item file for Plant Inspections • Special Depot file for Depot Inspections <p>A GAMBIER EARTH MOVERS file or folder is prepared to hold photocopies of each inspection for audit purposes.</p>	<ul style="list-style-type: none"> • H&S And Environmental Hazard Inspection Checklists GEM-Form-03-01 GEM-Form-03-02 GEM-Form-03-03 • Hazard Inspection Calendar GEM-Form-03-08
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	<p>The Form-03-08 when completed is included with each PMP prepared so it can be reviewed at each toolbox meeting.</p>	
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<ul style="list-style-type: none"> • Environmental Aspects • Project Details • Site Details • Regulations • Legislation 	<p>2. Environmental Impact Analysis of a Hazard</p> <p>Having identified an environmental aspect of hazard either through the:</p> <ul style="list-style-type: none"> • Review of the project prior to preparation of the PMP. This will identify an existing aspect previously controlled and listed in the PMP involved, or it may identify a new aspect not previously identified at all. • Regular site hazard inspections, which may identify a new aspect not previously identified at all. <p>The MANAGER together with the ENVIRONMENTAL COORDINATOR can now work through the risk assessment using the Environmental Procedure GEM-EP-01 as a guide.</p> <p>The analysis will assess the:</p> <ul style="list-style-type: none"> • Probability (Likelihood or chance that the hazard will occur and with what frequency.) • Significance of Impact (Extent of damage, injury to humans or animals or the effect on the environment that could occur due to the hazard occurring) • Risk (The combination of probability and impact that determines the level of risk) <p>If the hazard is an existing analysed hazard then its analysis can be filled out in the PMP allowing the risk to be considered in relation to this actual project</p> <p>Each column is given a rating “Low, Medium or High”. The MANAGER is responsible for considering the need to use expert advice in the risk assessment, but will at all times assess on the conservative side lifting the level where any doubt exists.</p>	<ul style="list-style-type: none"> • Environmental Procedure GEM-EP-01 Identification of Environmental Aspects and Impacts Risk Assessment and Control • Environmental Procedure GEM-EP-01 Identification of Environmental Aspects and Impacts Risk Assessment and Control • Environmental Impact Analysis & Risk Control
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	<ul style="list-style-type: none">• Medium or High assessments in the risk column where existing control measures exist allows the Foreman to discuss and refresh the requirements of the control measures at the first 'toolbox' meeting. Control measures for medium or high assessments must reflect as a minimum the applicable legal and contractual environmental requirements.• Low risk assessment allows the FOREMAN to assume that because the employees are trained in the Safety Instruction they will be safe in its application to this low risk.• Single issues or issues not likely to be repeated and which only take a short time to resolve can be considered at a 'toolbox' meeting.	GEM-Form-04-01
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	<p>Environmental Impact Analysis of a Hazard (Continued)</p> <p>If the hazard is a new hazard altogether, identified by preparation of the PMP or as a result of a regular hazard inspection, then the analysis shall be recorded on the Environmental impact Analysis & Risk Control form GEM-Form-04-01.</p> <p>In both these analyses the Environmental Procedure GEM-EP-01 is used as a guide procedure.</p> <p>The analysis considers any aspects of the construction process that may, either directly or indirectly, have an impact on the surrounding environment.</p> <p>The environmental aspect and its impacts should be analysed in order of priority by their probability of occurrence during the project. “Do worst case first”</p> <p>When analysing the environmental impacts and their significance, considerations should be given to the following which are listed on the analysis form GEM-Form 04-01:</p> <ul style="list-style-type: none">• Legislative requirements (government or authority)• Regulations (National, State or Local)	<ul style="list-style-type: none">• Environmental Impact Analysis & Risk Control GEM-Form-04-01
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	<ul style="list-style-type: none"> • Contractual agreement and Financial Considerations • Capability and Resources of the Company • Other interested parties, reports etc <p>Consideration should also be given to obtaining advice from expert consultants or having tests performed if the situation requires.</p> <p>With the analysis completed and recorded, the MANAGER or ENVIRONMENTAL COORDINATOR can develop the Environmental Action Plan in accordance with the Risk Control section of GEM-Form-04-01 and clause 3 below.</p> <p>The ADMIN OFFICER is responsible for maintaining a folder with the assessment form and copies of the action plan or Environmental Instructions.</p>	<ul style="list-style-type: none"> • Folder or Register of Hazards or Impacts with Action Plans
<ul style="list-style-type: none"> • Environmental Aspects • Environmental Impact Analysis & Proposed Action 	<p>3. Establish a Control Mechanism or Action Plan for Risk Control</p> <p>Minor or low risk Environmental Impacts will be discussed during the toolbox meeting to ensure they have been recognised. No further control measure will be required, unless the status of the impact changes to warrant further control measures.</p> <p>For risk levels Medium or High</p> <p>The Risk Control or Environmental Action Plan shall be either of the following which are listed in the analysis form GEM-Form –04-01:</p> <ul style="list-style-type: none"> • Environmental Instruction • Environmental Procedure or • Specific Project Environmental Management Plan, <p>Any tests or monitoring, competency or training qualifications that are required by staff or employees are included in the control document. The evidence of tests or monitoring must be capable of showing compliances to specific applicable requirement.</p>	<ul style="list-style-type: none"> • Job Specific Analysis Risk Control Procedures Listed in The PMP • Project Management Plan • Environmental Impact Analysis & Risk Control GEM-Form-04-01

	<p>When the control procedure, instruction or action plan has been prepared they shall be noted on the Job Specific Analysis section of the PMP to be discussed within the Toolbox Meeting.</p> <p>Environmental Instructions or Procedures</p> <p>The analysis will usually determine that an Environmental Instruction or Procedure is the best alternative. The MANAGER or ENVIRONMENTAL COORDINATOR may need to:</p> <ul style="list-style-type: none"> • prepare new Environmental Instructions (EI) or Environmental Procedure (EP) • amend existing SI or SP or • use existing information as supplied by outside organisations. <p>As a general rule an Environmental Procedure will include a number of activities such as EP-01 or 02 in the IMS.</p> <p>An Environmental Instruction will ideally cover one activity and be brief and to the point. It will take into account the fact that the employees must understand it and be available for them to understand.</p> <p>In order to obtain the best EI or EP outside assistance may be required. Preparation of these documents may be delegated to anybody with the appropriate knowledge and training. The EI or EP must ensure that applicable legal and contractual environmental requirements are met.</p> <p>Environmental Instructions or Procedures continued</p> <p>The Job Specific Analysis is approved by the MANAGER as ENVIRONMENTAL COORDINATOR with any additional approvals sought from other relevant authorities such as the EPA if required. The Action Plan is then issued with the Project Management Plan.</p> <p>Amendments to Action Plans should go through this process for approval and reissue as necessary.</p>	<ul style="list-style-type: none"> • GEM-EI-01 to –17 Environmental Instructions • GEM-EP-01 to –08 Environmental Procedures Listed in the PMP • Environmental Action Plan <ul style="list-style-type: none"> ⇒ Environmental Procedure ⇒ Environmental Instruction ⇒ Discussion or Training Session at a Toolbox Meeting
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<ul style="list-style-type: none">• EAP• Resources	<p>4. Implement the Action Plan</p> <p>The environmental issue is controlled in accordance with the Environmental Instructions or Action Plan. It is the responsibility of the MANAGER and FOREMAN to ensure the plan is followed. The MANAGER is responsible to ensure that sufficient resources and staff are available to carry out the plan, and monitor it if necessary.</p>	<ul style="list-style-type: none">• Records of Implementation Toolbox Minutes• Environmental Action Plan• Job Specific Analysis
<ul style="list-style-type: none">• Job Specific Analysis	<p>5. Monitor the Action Plan</p> <p>The MANAGER or ENVIRONMENTAL COORDINATOR is responsible for assessing the need for monitoring of the instruction or complete action plan. The task of monitoring the instruction may be delegated to the Foreman or suitable employee.</p> <p>Monitoring will include for example:</p> <ul style="list-style-type: none">• Regular visual inspection of silt traps fences etc,• Regular measurement of noise levels, water quality air quality etc,• Regular auditing of the action plan if detailed and extended over a long period. <p>Records of monitoring shall contain objective evidence capable of demonstrating compliance to applicable legal and contractual environmental requirements and must be kept and included in the monitoring section of the PMP or a site diary. All test results must be retained and filed with the project records.</p>	<ul style="list-style-type: none">• Project Management Plan• Risk Monitoring Record• Test Results

	<p>6. The Integrated Project Management Plan</p> <p>The Project Management Plan is explained in the Procedure 05 Project Management Plan.</p> <p>The PMP is intended to record the:</p> <ul style="list-style-type: none"> • H&S issues appropriate to the project • Environmental Issues appropriate to the project • Quality Issues especially detailing the Quality Assurance records if QA is a requirement <p>The PMP fulfils the need for a site safety plan on normal projects</p> <p>For the purpose of the environment the PMP or Environmental Management Plan should include, as necessary:</p> <ul style="list-style-type: none"> • Site specific emergency contacts • Site induction requirements • Environmental Instructions and or Procedures (or reference to these) • Responsibilities of those employees involved in monitoring • Incident reporting requirements • Monitoring/inspection timetable • Toolbox meeting minutes etc 	<ul style="list-style-type: none"> • MSP-5 Project Management Plans
<ul style="list-style-type: none"> • Project Management Plan • Environmental Management Plan • Training Courses • Site Induction Procedure 	<p>7. Environmental Training to a Specific Site, Project or General Training</p> <p>The Project Management Plan should prompt and nominate project specific induction training, for example to the clients site, and any additional or specialist environmental training requirements.</p> <p>Site Induction is as described in the clause 10 of Procedure 02 Managing Construction. It is the MANAGER'S responsibility to ensure all the project-based training prescribed is carried out and to maintain evidence of those trained. This includes subcontractors. The MANAGER may call on specialists if necessary to provide the training.</p>	<ul style="list-style-type: none"> • Personnel Environmental Training Records • Training Register GEM-Form-13-02 • Induction Training by Client



<ul style="list-style-type: none">• Job Specific Analysis	<p>8. Incident Reporting and Environmental Breaches</p> <p>The FOREMAN or delegated employee responsible for the monitoring shall notify the MANAGER of any breaches as a result of work on the site or as a result of monitoring the Environmental Action Plan.</p> <p>Action is determined and carried out immediately to mitigate the impact of the breach. All breaches will be recorded on a Defect Suggestion Form GEM-Form-10-02, to be reviewed by the MANAGER or ENVIRONMENTAL COORDINATOR, to determine any necessary rectification or corrective action.</p> <p>An Environmental Breach Register Form GEM-Form-04-02 is used to record all breaches and will be maintained by the ADMIN OFFICER in such a manner that it is readily available for review or audit.</p> <p>Depending on the severity and the requirements of the Environmental Protection Act for reporting breaches the MANAGER will notify the EPA and the Superintendent of the breach. All parties involved with the project will be advised and informed as necessary.</p>	<ul style="list-style-type: none">• Defects and Suggestions Form Breach Notice GEM-Form-10-02• Environmental Breach Register GEM-Form-04-02• Notification to Environment Protection Authority• Informed Workforce
<ul style="list-style-type: none">• Training Procedure• Job Specific Analysis	<p>9. Emergency Preparedness</p> <p>Where the probability and level of risk to the environment are considered high or where legislation requires, the Project Environment Analysis and Action Plans shall set out the steps to take in the event of an Environmental Incident occurring.</p> <p>The Emergency Procedures for an Environmental Incident GEM-EP-02 is referenced in the Project Management Plan. All relevant personnel are to be trained in the Emergency Procedure accordingly.</p> <p>Environmental Procedure GEM-EP-02 Emergency Procedure for an environmental Incident describes the actions on site and following and is used to train the employees. This Procedure is trained at least twice a year, however the MANAGER will nominate additional times if the risk warrants it.</p>	<ul style="list-style-type: none">• Project Management Plan• Environmental Action Plan• Job Specific Analysis• Emergency Procedures• Training Procedure• GEM-EP-02 Emerg Proc for an Environmental Incident.



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<ul style="list-style-type: none">Request For Assistance	<p>10. Expert Environmental Advice</p> <p>When needed we seek expert advice in Environmental matters. Our first call for advice is to the State Branch of CCF. Where practical the State Branch accepts the responsibility to keep members informed of changes to legislation or regulations. The Form-04-03 Environmental Legislation, Regulations and Guidelines included in this procedure are maintained by CCF and generally lists the current legislation and regulations that we work under. Where CCF cannot directly assist they will refer us to consultants retained by CCF for special issues. Notification from CCF can be by specific notice or publication in the regular bulletin.</p>	<ul style="list-style-type: none">GEM-Form-04-03 Environmental Legislation, Regulations and Guidelines
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<ul style="list-style-type: none">Defects & SuggestionsBusiness Improvements	<p>11. Business Improvement and Reviewing this Procedure.</p> <p>During each project and as part of the Management Review, the PROJECT MANAGER is responsible for identifying improvements for EMS practices and procedures. Targets shall be set for breaches, and improvements considered when these targets are exceeded.</p>	<ul style="list-style-type: none">Evidence of EMS Practices ImprovementsManagement Review Minutes
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EMERGENCY PROCEDURE FOR AN ENVIRONMENTAL INCIDENT

Aim

The aim of this procedure is to provide a uniform control mechanism when an emergency environmental incident occurs. It covers:

- Preparedness and training
- Managing the incident during and following the emergency
- Incident notification, investigation & recording

Definitions

Emergency - An emergency is any incident that has caused or has the potential to cause a significant impact on the environment

An Incident is -

- Any occurrence that had the potential to impact on the environment during the course of the project works
- Any occurrence that has disrupted the orderly conduct of work on site
- All emergencies are incidents

Management Responsibilities

The OPERATIONS / PROJECT MANAGER is responsible for:

- Ensuring all employees have, the opportunity to be trained and be prepared in the event of an incident occurring
- Preparation of Environmental Instructions or Procedures or a Environmental Management Plan if required
- Identifying environmental aspects and their impacts and assessing the risk level
- Ensuring that employees have access to plant, equipment and resources applicable to the risk and activity to be carried out
- Ensuring that Worksite inspections are carried out as per inspections calendar, (GEM-Form-3-06)
- Obtaining approvals from superintendent, client, authority or environmental controlling body, if required

Training & Preparedness

Preparedness

Prior to commencing any project the manager shall ensure that the project specific PMP is prepared and includes the following:

- Environmental Instructions Procedures or a Specific Environmental Management Plan
- Environmental Impact Analysis, assessment of risks and development of work instructions for additional environmental Aspects and Impacts identified
- Details of the training and or practice in Emergency procedures that is to be carried out at the toolbox meetings during the project duration
- Emergency Nos including that of the Environmental controlling body
- Where the evacuation point shall be in case of an emergency that requires an evacuation of the site



EMERGENCY PROCEDURE FOR AN ENVIRONMENTAL INCIDENT

Toolbox meetings should be held with all employees and subcontractors to explain and inform them of the following:

- The emergency numbers and their location
- Who the site environmental officer is
- Who the responsible person is when calling for assistance
- Where the evacuation point will be in the case of an emergency that requires evacuation of site
- Emergency procedures

Training

Employees should be trained so that they are familiar with all the environmental procedures and instructions.

Prior to commencement on site of Construction Works

1. Hold toolbox meeting and discuss environmental issues, procedures and instructions that control Gambier Earth Movers Pty Ltd activities on site.
2. Ensure that environmental control measures are in place and are adequate.

Managing the Incident

All incidents will be managed during their development through to the completion, when the situation is safe. Where the initial incident occurs on the Worksite under the control of Gambier Earth Movers Pty Ltd, then Gambier Earth Movers shall manage the incident until emergency response professionals arrive at the Emergency location. Where the site is under the control of the head contractor, the incident shall be controlled by Gambier Earth Movers until the head contractor assumes control.

Procedure when there is an Environmental Breach or Incident

1. Stop work immediately and take the necessary action to stop the cause or the breach.
2. Notify the OPERATIONS MANAGER / SUPERVISOR immediately and take all steps to minimise the damage and limit the impact (effect) of the breach.
3. If the breach is serious and additional resources other than what is available to Gambier Earth Movers is required, then notify the local authorities and the EPA with the aim of getting specialist assistance quickly.

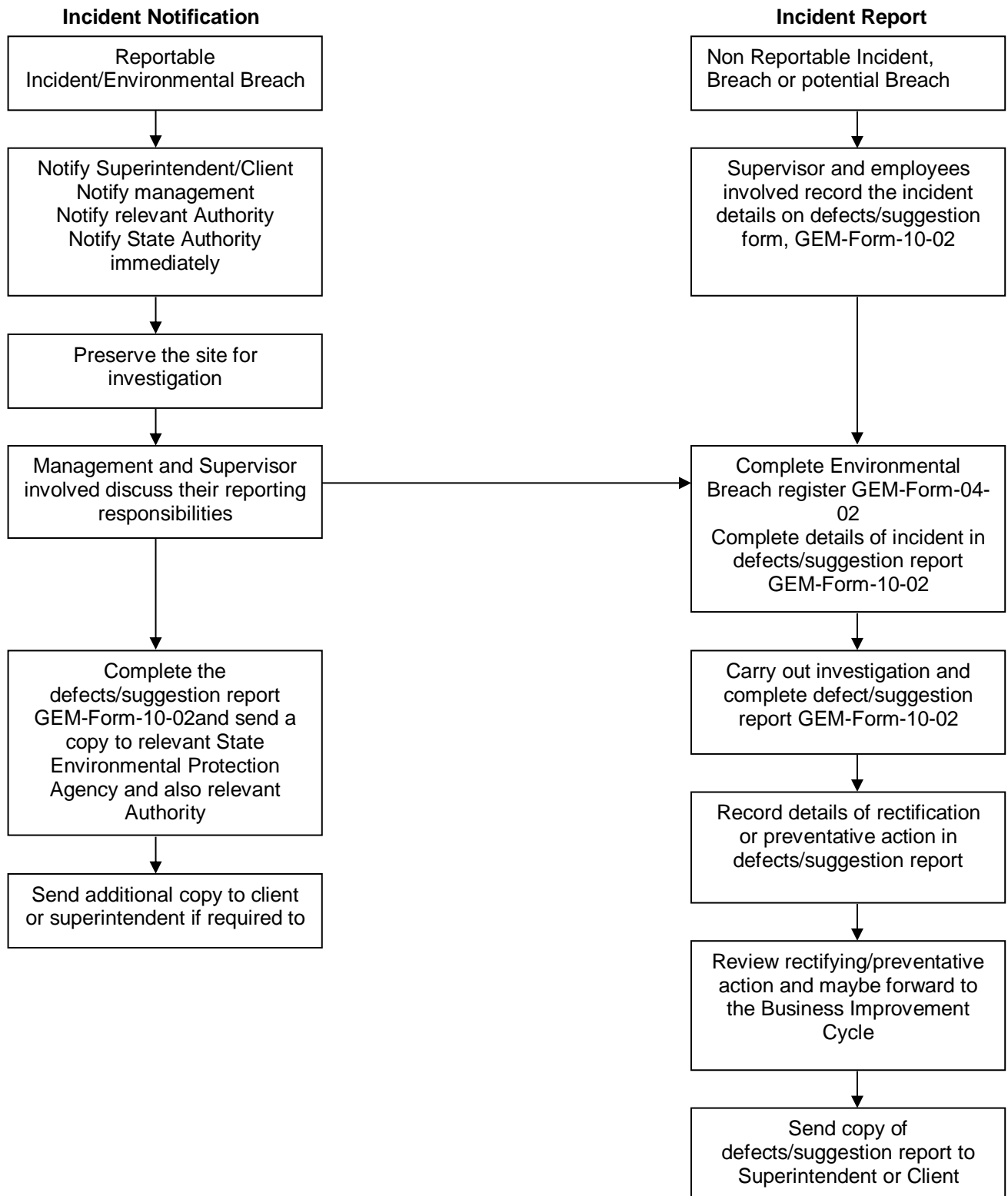
Reporting and Investigation of Breach

1. Immediately notify the superintendent / client of the breach.
2. Prepare a Defect / Suggestion / Breach report using GEM-Form-10-02.
3. Due to the seriousness notify the EPA of the breach (08 8204 2004)
4. Investigate the breach and put in place corrective action to minimise the risk that the incident will occur again.
5. Add the breach to the Environmental Breach Register GEM-Form-04-02.



EMERGENCY PROCEDURE FOR AN ENVIRONMENTAL INCIDENT

Flow Chart Incident Notification Reporting & Investigation





ENVIRONMENTAL MANAGEMENT PLAN

GENERAL CONSTRUCTION WORKS

Archaeology and Heritage

Aboriginal Heritage Identification Guidelines

Attachments

- Stand Operating Procedure – During Works
- Standard Operating Procedure – Discovery of Aboriginal heritage during works
- Identifying Aboriginal Heritage Sites

Standard Operating Procedure During Works

- Machines to work in 15min intervals before allowing heritage monitors 5mins to scout the disturbed area.
- During this 5min scouting interval, the machines are able to move and work elsewhere on the site if possible, at least 20m away from the heritage monitor scouting team.
- Machine operators are still to be vigilant, responsible and observant while excavating and disturbing the ground onsite at ALL times.

ENVIRONMENTAL MANAGEMENT PLAN

GENERAL CONSTRUCTION WORKS

Standard Operating Procedure Discovery of Aboriginal heritage during works

Have you found a site, object or skeletal remains that may be Aboriginal Heritage? (See info sheet for examples)



STOP WORK!

Do not disturb the site, object or skeletal remains.
Do not remove or displace any objects or skeletal remains.
Stabilise and bunt off the area to restrict access (if required).
Allow Identification Team at least 15mins onsite without any machinery in operation to survey site to identify any site, object or skeletal remains of interest.
If such items are found, proceed with next steps, otherwise resume works onsite.



Notify Site Supervisor – **Adam Maywald (GEM) – 0423 647 610, Conor Dunne (GEM) – 0448 867 449**

- **Beach Energy Project Manager: Chris Annear 0407 338 228**
- **GEM Project Manager: Adam Maywald – 0423 647 610** to notify:
- SA Water’s Aboriginal Heritage Engagement Officer
- Local Police or (08) 8735 1020 if suspected human remains have been discovered.

Site supervisor to take note of:

- Location in relation to site works (pref GPS).
- Any immediate threats to heritage e.g. construction activities, vandalism, water level.
- Name and contact details of the person who made the discovery.



What Happens Next??

The Aboriginal Heritage Liaison Officer will liaise with the Local Police (Where skeletal remains have been discovered), the Aboriginal Affairs and Reconciliation Division (AARD) and any interested local Aboriginal heritage representatives. An Archaeologist may also be consulted.

If the site, object or skeletal remains is assessed as being Aboriginal Heritage next steps may include:

- Engaging and consulting with the local Aboriginal heritage representatives.
- Applying for ministerial authorisation to damage, disturb or interfere with the Aboriginal heritage.

Consideration will be given as to how best to protect and manage the Aboriginal heritage.

ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

IDENTIFYING ABORIGINAL HERITAGE SITES

Campsite

May contain:

- Stone artefacts
- Animal bones
- Fireplaces or ovens (ash, charcoal, burnt clay or stone, blackened earth)
- Remains of shelters
- Glass, ceramic, metal on historic period sites.

Sites are more likely in places where food and water were available.



Midden

Concentrations of edible shell types of similar sizes, along coasts or waterways.

May contain:

- Stone artefacts
- Fireplaces
- Animal bones
- Burials



Rock Shelter

May contain:

- Stone artefacts
- Hearths (ash & charcoal).
- Smoke staining on the walls and ceiling.
- Rock art – paintings, engravings on walls and ceiling.



Burial

Usually no visible evidence unless exposed by erosion or excavation.

Grave markers of stone, low mounds & wood, were used in some areas. Different burial practices in different places.

Exposed bone can be difficult to identify whether it is human or animal.



Artefact manufacturing /Knapping floor

Concentration of stone artefacts:

- Cores
- Flakes
- Hammerstones.

These may be found near a quarry site.

Glass artefacts may be present at contact period sites.

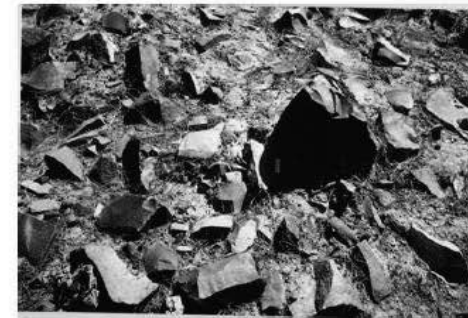


Quarry

Includes stone tool, grindstone and ochre quarries.

Look for:

- Seams, outcrops & nodules of suitable material.
- Signs of chipping or hammering and associated surface scatters of flaked stone.



*Please do not damage, disturb or interfere with Aboriginal sites and objects, they are protected under the *Aboriginal Heritage Act 1988*

ENVIRONMENTAL MANAGEMENT PLAN

CONSTRUCTION WORKS

Cultural Modified Trees

Trees with scars on the trunk or limbs where bark has been removed to make canoes, shields, dishes or shelters.

Scars are usually regular in outline and of a characteristic size and shape.

Natural scars are common and can be mistaken for cultural scars.



Historic

Historic sites of significance to Aboriginal people, such as:

- Missions
- Ration depots
- Birthplaces
- Fringe camps (see camps)
- Railway camps and
- Cemeteries.

European (glass, ceramic, metal) and traditional artefacts may be present.



Painting

Painting sites are found in a range of environments with suitable rock surfaces. Beside watercourses, in caves, shelters and overhangs.

Motifs:

- Animal tracks
- Circles
- Lines
- Hand stencils
- Human figures
- Abstract



Engraving

Common motifs:

- Geometric
- Circular
- Linear designs
- Animal tracks.

In some areas the designs are accompanied by animal and human like figures.



Arrangements

Large or small stone, timber or earth arrangements used as ceremonial sites, hunting hides, and fish traps etc.

- Fish traps – enhanced tidal pools, barriers.
- Hunting – hides & traps.
- Ceremonial – linear, abstract & geometric patterns in the landscape.



Cultural

Significant places associated with stories and ceremonies.

Archaeology may or may not be present.

Individual sites can include trees, rock formations, hills and waterholes, or follow the line of a waterway or mountain ranges.

Areas Likely to Contain Sites

- Water Sources – near vicinity of permanent and ephemeral, creeks, soaks, springs, clay pans, wells, Rockholes.
- Sand Dunes, especially near water sources.
- Rock outcrops – quarries, rock art, stone arrangements & cultural sites.
- Exercise care in areas where vegetation/ground are relatively undisturbed.



SCHEDULE 13

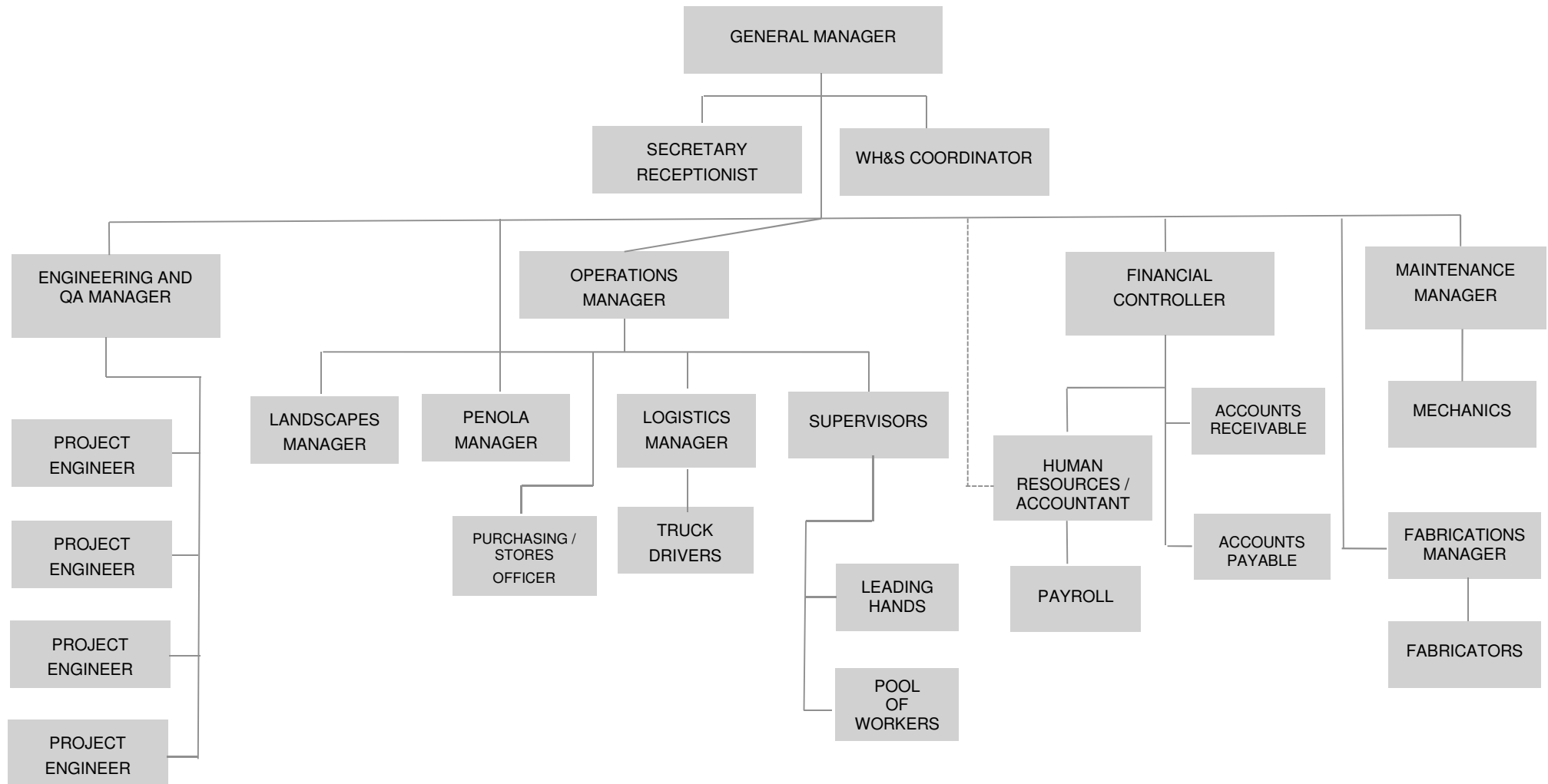
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1. CHT-GGH Organisational Structure 20170825



THE INTEGRATED MANAGEMENT SYSTEM MANUAL

GAMBIER EARTH MOVERS PTY LTD ORGANISATIONAL STRUCTURE





SCHEDULE 15

INDEX

1. **GEM's Procedure MSP – 10 Corrective and Preventative Action – Rev. 2**
2. **FRM 10-01 Non-Conformance Log**
3. **FRM 10-02 Non-Conformance Report**





GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 15

Attachment 1

**GEM's Procedure MSP – 10 Corrective and Preventative
Action – Rev. 2**



Introduction

The purpose of this procedure is to ensure that records are kept for identifying and investigating the cause of problems found across the safety, environmental and quality aspects of work performed or services provided and within the management systems. Appropriate action must then be taken not only to rectify the problem but also to reduce the likelihood of the problem occurring again. The Quality Manager is responsible for making sure this procedure is used by all the staff and employees in the company.

INPUT OR REQUIREMENTS	ACTIVITIES ASSOCIATED WITH THE PROCESS	OUTPUT OR EVIDENCE
<ul style="list-style-type: none"> • Audit reports & findings • Defects / Suggestions • Client observations • Quality / Safety / Environmental breach • Complaints • Rework / Waste 	<p>1. Identify Non-Conformances, Suggestions or other Problems</p> <p>Where a non-conformance (NCR) or incident (safety or environmental) is identified, it is everyone's responsibility to ensure it is reported as soon as possible to the Project Manager who must advise the Quality Manager and other relevant parties. All NCRs and / or incidents must be investigated to determine the cause and reduce or minimise potential harm.</p> <p>Issues raised can be recorded on FRM 02-03 Site Diary Daily Report. Once an issue is identified, the Quality Manager is advised and is responsible for recording on FRM 10-01 Non-Conformance Log, and the instigation of the completion of FRM 10-02 Non-Conformance Report. The Quality Manager initiates and completes the first stage including the description of the non-conformance.</p> <p>A separate Job Specific FRM 10-01 may be kept for larger projects, the details of which are to be kept with the Project File, but then transferred to the Company Log for recording purposes and future review during the reviews of the Integrated Management System and Business Management.</p>	<ul style="list-style-type: none"> • FRM 10-02 Non-Conformance Report • FRM 02-03 Site Diary Daily Report • FRM 10-01 Non-Conformance Log

MSP-10: CORRECTIVE and PREVENTATIVE ACTION

<ul style="list-style-type: none"> • Managers & staff as required • Resources as required 	<p>2. Rectification or How to Fix the Problem</p> <p>All NCRs and / or incidents must be investigated to determine the cause and reduce or minimise potential harm. Records of the investigation must be maintained. A non-conforming product or service when identified, must be isolated to prevent use or transference of the fault/s to the works.</p> <p>The investigations need to be investigated by a suitably qualified person involving the relevant parties, to identify root causes, determine the appropriate corrective actions, and ensure that these actions are implemented and effective to prevent reoccurrence. All parties including whoever raised the issued are to be notified of the outcomes.</p> <p>NCR's and / or incidents must be dealt with by one or more of the following means:</p> <ul style="list-style-type: none"> • Eliminating the cause • Authorising use, release or acceptance where applicable and / or • Taking action to preclude its original intended use or application <p>For complaints or suggestions the Quality Manager is to take action as necessary to resolve the issue in the most expedient and effective manner as possible.</p> <p>Details of the rectification or action to resolve the problem are recorded on FRM 10-02 Non-Conformance Report. FRM 10-01 Non-Conformance Log should be updated with reference to the Completion Date for rectification as the problem or suggestion is assessed and rectified.</p>	<ul style="list-style-type: none"> • FRM 10-02 Non-Conformance Report • FRM 10-01 Non-Conformance Log • Records of change
	<p>3. Review of Rectification</p> <p>After rectification of the NCR or incident has occurred, it shall be subject to reverification by the Quality Manager to demonstrate conformity to the requirements. This is to ensure the standard of work or result conforms to the original requirements or that an approved concession is obtained from the client. If the action taken was unsuccessful, then the Quality Manager shall return to the rectification section and propose some other means of rectification, recommencing the process of rectification and review again.</p> <p>FRM 10-01 Non-Conformance Log should be updated with reference to the completion date for the review.</p>	<ul style="list-style-type: none"> • FRM 10-02 Non-Conformance Report • FRM 10-01 Non-Conformance Log • Records of change

MSP-10: CORRECTIVE and PREVENTATIVE ACTION

	<p>4. Need for Business Improvement</p> <p>The Quality Manager shall after completing the review decide if an improvement in the management system is needed to stop the defect problem or complaint from occurring again. If so FRM 12-02 Business Improvement Form is filled out.</p>	<ul style="list-style-type: none"> FRM 12-02 Business Improvement Form
<ul style="list-style-type: none"> FRM 10-01 Non-Conformance Report Log 	<p>5. Business Management Review of Defect and Suggestions Log</p> <p>NCRs and incidents recorded on the NCR and Improvement Report Log will be reviewed internally as per Procedure 12 part 2, to ensure that the system is effectively handling the items that have been recorded.</p> <p>Items that are deemed to be continually occurring will be reviewed to assess the effectiveness of existing procedures or work instructions and changes will be made to ensure that the complaints are kept to a minimum.</p>	<ul style="list-style-type: none"> Annual Management Review Amended Procedures



GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 15

Attachment 2

FRM 10-01 Non-Conformance Log





GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291: Caroline Landfill Development:
Construction of Cell 3C



SCHEDULE 15

Attachment 3

FRM 10-02 Non-Conformance Report





Non-Conformance Report		<input type="checkbox"/> Safety Incident – Hazard Report <input type="checkbox"/> Environmental Hazard / Breach Notice <input type="checkbox"/> Notice of Defect / Non-Conformance / Variation <input type="checkbox"/> Suggestion / Complaint	
Raised By: (Name & Co.)		Date:	
Project / Activity:		Due Date:	NCR No.:
Description of Non-Conformance / Sequence of Events / WHS Breach:			
NCR Issued To:		Accepted: (Sig.)	
Company:		Date:	
Root Cause of Non-Conformance:			
Details of Action to Prevent Re-Occurrence:			
Responsibility for Corrective Action:			
Name:		Position Title:	
Action completed by:			
Name:		Signature:	Date:
Review of Corrective Action and Close-Out:			
Name:		Signature:	
Position Title:		Date:	
Comments:			



SCHEDULE 16

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1. Tender Project Timeline.





22 August 2018

Attention: Daryl Morgan

Re: **Tender AF18/291 – Caroline Landfill Development: Construction of Cell 3C**

Dear Daryl,

We are pleased to present our Request for Quotation (RFQ) submission in response to Tender AF18/291 Caroline Landfill Development: Construction of Cell 3C.

BMD recognise the importance and associated challenges of delivering high-profile infrastructure projects within the public sector and relish the opportunity to represent the City of Mount Gambier Council on the Caroline Landfill Development.

We understand the responsibility and political obligations underpinned within a contract of this nature and wish to stress that our submission not only delivers on 'time, cost & quality' restraints but an exceptional appreciation of associated risks, corresponding mitigation strategies, value engineering and an unprecedented HSEQ Culture, all whilst maintaining transparency and satisfaction of the community and relevant stakeholders.

With a history of delivering projects of similar complexity and public nature, BMD Constructions acknowledges the importance of project team selection. As such, the proposed construction team has been specifically tailored, with personnel selected not only on technical expertise, but they're ability to leverage existing supplier and subcontractor relationships throughout the region, ultimately ensuring confidence in a high quality product whilst fostering the input and participation of local industry.

Again, we appreciate the opportunity to provide our RFQ for and trust that it meets with favourable consideration.

Please do not hesitate to contact myself on 0457 548 673 or Tim.Bishop@bmd.com.au should you require any further information.

Yours sincerely,

BMD CONSTRUCTIONS

Tim Bishop | Construction Manager

BMD Constructions Pty Ltd | ABN: 59 010 126 100

45 Greenhill Road Wayville SA 5034 | GPO Box 1964 Adelaide SA 5001

T: 08 8110 5111 | F: 08 8110 5199 | E: adelaide@bmd.com.au



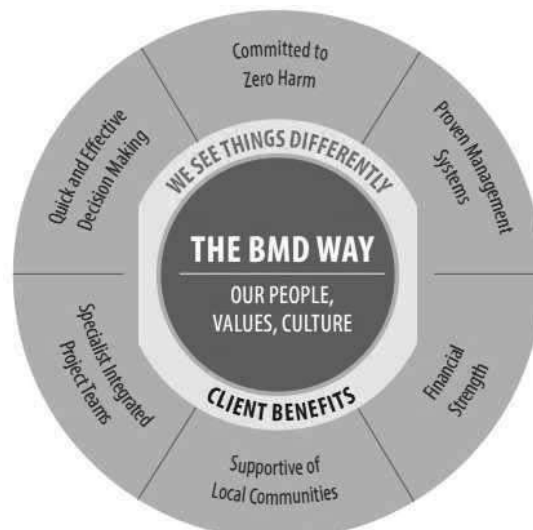


WHY BMD Constructions?

BMD Constructions is a wholly owned subsidiary of the BMD Group and has 1,700 employees working throughout Australia supported by third party certified management systems, substantial balance sheet strength and the resources and flexibility of a large Australian owned private company.

Long term client relationships have been the foundation of our success for over 30 years. BMD is committed to the highest standards of quality, service and value creation for all our clients. We regard every new contract as an opportunity to promote long term relationships and open our new and existing clients to a range of specific benefits including:

- **Committed to Zero Harm** our behavioural based safety management system is supported by senior leadership and encourages personal responsibility towards safety and environmental management;
- **Proven Management Systems** with systems accredited by the Office of the Federal Safety Commissioner our outcome focused approach is designed to deliver certainty;
- **Financial Strength** based on consistent growth, projects are supported by a substantial balance sheet;
- **Support of Local Communities** originating from a strong interest in providing long term benefits to all communities in which we operate BMD proudly hosts a strong network of local suppliers and subcontractors;
- **Specialist Integrated Project Teams** with expertise in construction of civil, mine and building infrastructure;
- **Quick and Effective Decision Making** achieved through a flat management structure that consistently results in outstanding performance.
- BMD Constructions delivers these benefits through a collaborative approach that seeks to engage proactively with our client, the community and all project stakeholders to deliver outcomes for the highest mutual benefit.





Capability

Managing Projects

BMD recognise the importance and associated challenges of delivering high-profile infrastructure projects within the public sector and relish the opportunity to represent the City of Mount Gambier Council on the Caroline Landfill Development: Construction of Cell 3C.

We understand the responsibility and political obligations underpinned within a contract of this nature and wish to stress that our submission not only delivers on 'time, cost & quality' restraints but an exceptional appreciation of associated risks, corresponding mitigation strategies, value engineering and an unprecedented HSEQ Culture, all whilst maintaining transparency and satisfaction of the community and relevant stakeholders.

BMD have enjoyed the opportunity to deliver numerous high-profile projects and understand the responsibility that a Contractor is handed when awarded such a contract. We understand that success on these projects is not only defined by delivering on time and within budget, it requires delivery of exceptional performance in risk management, value management and HSEQ culture all whilst managing high stakeholder expectations.

Surety of Program

BMD understand the importance of delivering the project on time and in line with public expectation. During the tender phase we have provided a detailed program in collaboration with our construction team, subcontractors and suppliers to ensure that our methodology, staging, resourcing and procurement is robust and sound. In doing so we will achieve confidence in our program and associated milestones, which in turn provide confidence to the Council.

The development of staging diagrams and a comprehensive construction program allows for premature identification of potential risks, the development of mitigation strategies as well as any opportunities for expedition of practical completion and associated milestone dates.

Management Systems

BMD operates under a Management System encompassing Quality, Environmental, Health & Safety requirements certified to the standards specified within AS/NZS 4801:2001, AS/NZS ISO 9001:2015 and AS/NZS ISO 14001:2015. An overarching system allows for adaptation and flexibility during project delivery, with plans and procedures tailored to conform with regulatory and client specific requirements. BMD are confident that our Systemic Management Structure compliments the quality of our project delivery team and that the correlation between conformance and successful delivery of project objectives will be met with fluidity and cohesion.

Subcontractor Relations

BMD's approach to business is firmly underpinned by a philosophy to 'support the local communities in which we operate' – a philosophy that was established long before local industry participation initiatives were formally introduced to the industry. When the company was formed in 1979, the decision was made to utilise the plant and equipment of local providers as opposed to owning and



maintaining our own construction equipment. This decision has resulted in BMD's South Australian business forming invaluable relationships with local subcontractors and allows us to provide an enhanced skills legacy post project completion.

These long-standing relationships and a collaborative approach to subcontractor management allow BMD to leverage existing supplier agreements on a project-by-project basis; guaranteeing local knowledge, risk negotiation and a reduction in corporate overhead.

BMD approaches each project within South Australia individually, actively identifying and tailoring opportunities to harness the enthusiasm and knowledge of local communities. Our mission is 'to professionally manage our suppliers and subcontractors to achieve best possible outcomes for our clients', and by providing opportunities and ultimately fostering talent local to the work front, we're able to excel beyond project delivery to the development of rural communities.

Community & Stakeholder Engagement

BMD recognise the importance of stakeholder and community management across projects within the public sector and understand that our success is a direct reflection on The City of Mount Gambier Council and the region as a whole. Through the implementation of our management systems and the development of project specific engagement strategies, BMD are committed to building and harnessing relationships with local organisations and the community at large.

Community and stakeholder satisfaction is viewed as an industry obligation and extends beyond open communication to achieving genuine improvement to areas of health and wellbeing, arts and culture, job creation, education and social stimulation within the areas we operate. Through transparency of program, open feedback channels and availability of staging and construction methodology intentions, BMD are comfortable that all vested parties will be impressed with the level of delivery and genuine 'no surprise' approach taken by our construction team.

Workforce Participation

BMD supports Industry Participation from the region and will actively explore and promote opportunities for local and regional suppliers.

To maximise return to the community, BMD will look to employ as many small businesses from the local area as possible. This will also play a part in reducing the overall cost of the project as resources are brought in from the local area reducing transport and mobilisation costs.

BMD plan to help develop additional local businesses to ensure that they are capable of performing works on this project and our future projects while meeting all legislative standards and guidelines. BMD and its subcontractors will actively train people to ensure the region has more suitably qualified tradesman, operators and the like after the project is complete.

BMD are well placed to identify suitable staff, employees or subcontract personnel which may not on first instance hold the required competencies. Whilst training is a mandatory compliance matter, BMD are able to facilitate flexible learning experiences required to fit into an appropriate project role. The focus of this training program is not simply to exceed the commitment of the nominated contract requirement but to implement a framework which actively records all levels of the Works Program.



Our People

Our business is our people; they are the reason why BMD has continually delivered outstanding outcomes for its clients. Our proposed team includes key personnel involved in the successful delivery of recent high profile projects including the London Street Bridge Construction for the City of Port Lincoln. The proposed team, led by Project Manager Will Ward, is an established team made up of high performing, competent, reliable and trustworthy individuals that have PROVEN experience on high profile and high quality projects. More so they have previously delivered projects together as a team and will hit the ground running with the understanding of what the expectations and demands of such a project are.



We are genuinely excited about the prospect of undertaking the Caroline Landfill Development: Construction of Cell 3C and are confident that our team can deliver the best value for The City of Mount Gambier Council and the wider community.



Schedule 1

Tender Form – Formal Offer

We **BMD Constructions Pty Ltd** on **August 24th, 2018** having read, understood and fully informed ourselves of the contents, requirements and obligations of the Request for Tender, do hereby tender to provide and complete the Services described in the Specifications, as per RFT in accordance with the Contract for the amounts set out in the Tender Return Schedules attached.

The Tenderer:

1. Is subject to the terms and conditions set out in Conditions of Tendering;
2. Irrevocably offers to perform the Services on the terms of the Contract and the Specifications, as per RFT which form part of the Tender Documents subject only to the variations set out in Schedule 12;
3. Confirms that this Tender has been prepared without any consultation, communication, agreement or other arrangement with any competitor regarding:
 - 3.1 prices or methods, factors or formulae used to calculate prices;
 - 3.2 the intention or decision to submit a Tender, or the terms of the Tender;
 - 3.3 the submission of a Non Conforming Tender; and
 - 3.4 the quality, quantity, specifications or particulars of the Services; and
4. Holds this offer open and capable of acceptance by the Council for a period of 90 days from the closing date.



The undersigned undertakes that if selected as the successful Tenderer, we will execute and be bound by the Contract in accordance with the Conditions of Tendering.

If the tenderer is a company, it must execute this Tender as follows:

<p>Executed by BMD Constructions Pty Ltd pursuant to section 127 of the <i>Corporations Act 2001</i></p>	
<p>..... Signature of Director</p> <p>..... Name of Director (print)</p>	<p>..... Signature of Director/Company Secretary <i>(Please delete as applicable)</i></p> <p>..... Name of Director/Company Secretary (print)</p>
<p>OR</p> <p>..... Signature of Sole Director and Sole Company Secretary</p> <p>..... Name of Sole Director and Sole Company Secretary (print)</p>	
<p>OR Signed for BMD Constructions Pty Ltd by an authorised representative in the presence of:</p>	
<p> Signature of witness</p> <p>Ben Howell (Project Engineer) Name of witness (print)</p>	<p> Signature of authorised representative</p> <p>Tim Bishop Name of authorised representative (print)</p> <p>Construction Manager Position of authorised representative (print)</p>



Schedule 2

Tenderer's Details

<p>1. Name of Tenderer</p> <p>State in full the name(s) of the person(s) or the registered name(s) of the company(s) and trading names.</p> <p>ABN number</p>	<p>BMD Constructions Pty Ltd</p> <p>59 010 126 100</p>
<p>2. Contact person</p> <p>Nominate a contact person for this tender to deal with any questions or queries that may arise.</p>	<p>Tim Bishop (Construction Manager)</p> <p>+61 457 548 673</p> <p>Tim.Bishop@BMD.com.au</p>
<p>3. Registered address</p>	<p>25 Cambridge Parade, Manly QLD 4179 (Head Office)</p> <p>45 Greenhill Road, Wayville SA 5034 (SA Regional Office)</p>
<p>4. Postal address</p>	<p>45 Greenhill Road, Wayville SA 5034 (SA Regional Office)</p>
<p>5. Telephone</p>	<p>Tim Bishop (Construction Manager)</p> <p>+61 457 548 673</p>
<p>6. Email</p>	<p>Tim.Bishop@BMD.com.au</p>
<p>7. Bank Details</p> <p>Name of Trading Bank:</p> <p>Branch:</p> <p>Account Name:</p> <p>BSB Number:</p> <p>Account/IBAN Number:</p>	<p>National Australia Bank</p> <p>308-322 Queen Street, Brisbane QLD 4000</p> <p>BMD Constructions Pty Ltd</p> <p>084 004</p> <p>1794 08558</p>
<p>8. Tender conditions</p> <p>Tenderer to sign that it has read and understood this RFT and the Conditions of Tender.</p>	
<p>9. Amendments to Tender Documents</p> <p>Tenderer to indicate the amendments it requests.</p>	<p>N/A</p>



Schedule 3

Financial Capacity

1. Banker's Name: National Australia Bank

Address: 308-322 Queen Street, Brisbane QLD 4000

2. Annual turnover for:

2014/15:	\$444,606,000.00
2015/16:	\$580,986,000.00
2016/17:	\$495,828,000.00
2017/18:	\$709,618,000.00

R

3. The limits of the bank overdraft facilities: Please refer attached banker's confirmation letter

4. What is the issued capital of the Tenderer's Company: \$25,100,000.00

5. Net asset value of the Tenderer's Company: \$71,752,000.00

6. For the most recent financial year:

6.1 average cash balance at the Tenderer's Bank: \$26,000,000.00

6.2 value of sundry debtors at balance date: \$28,177,921.00

6.3 value of sundry creditors indicating the amount applicable:

1 to 30 days:	\$49,714,516.00	.64.95%	% of total
31 to 60 days:	\$17,591,218.00	22.98%	sundry
61 and over days:	\$ 9,231,267.00	.12.06%	creditors

Note: 61 and over days includes retention held

7. To assist in the evaluation of your financial capability please attach copies of audited profit and loss accounts, balance sheets and statement of cash flows for the last two financial years, as certified by a public accountant.

Please refer Appendix A for 2016-2018 Financial Statements

8. What percentage of the Tenderer's South Australian business does this tender represent in terms of turnover?

1.5%



Schedule 4

Licences and Accreditation

National

Occupational Health and Safety Management – ASNZS 4801
Environmental Management – ASNZ ISO 14001
Quality Management – ASNZ ISO 9001
Austrroads National Prequalification System for Civil (Road and Bridge) Construction Contracts
DEEWR Compliance
OFSC Certification
Water Corporation – HSE Prequalification

South Australia

Build Work Contractor – Contractor’s Licence
DPTI General Building Prequalification
Builders Licence – BLD285611
SA Work Cover

Note: Copies of licences and/or accreditation available upon request



Schedule 5

Insurance

Please refer Appendix B for copies of BMD's Certificates of Currency.

Insurance type	Policy no	Extent of cover		Expiry date	Name of insurer
		Per incident \$A	In aggregate \$A		
Public and products liability (minimum \$10,000,000)	BN-CAS-13-410736/7	Min \$20,000,000		30/09/18	Liberty International Underwriters Catlin Australia Pty Limited
Professional indemnity (if applicable)	PL-BN-SPC-15-501223	\$20,000,000		30/09/18	Liberty International Underwriters Catlin Australia Pty Limited
Contract Works	LB1732517	Min 80% of contract sum		30/09/18	Zurich Insurance PLC
Construction plant & equipment	LB1732517	Please refer Appendix B for details of coverage		30/09/18	Zurich Insurance PLC
Workers compensation	18849606	Please refer Appendix B for details of coverage		30/06/19	Return to Work SA
Motor	CASS02088 9019	Please refer Appendix B for details of coverage		30/09/18	AAI Limited T/A Vero Insurance



Schedule 6

Work Health & Safety & Risk Management

1. Tenderer Work Health and Safety Management System Questionnaire

1.1 Work Health and Safety policy and management Yes No

- (a) Does the Tenderer have a written Work Health and Safety Policy? ✓

If yes provide a copy of policy

Comments: Please refer **Appendix C** for BMD Policies associated with Health, Safety, Environment and Quality.

- (b) Does the Tenderer have a Work Health and Safety Management System recognised by an independent authority (eg Workcover Corporation)? ✓

If yes provide details:

BMD operates a Work Health and Safety Management System certified by SGS AS/NZS 4801 and are OFSC Accredited. Please refer **Appendix C** for copies of accreditation certificates.

- (c) Does the Tenderer have a Work Health and Safety Management System manual or plan? ✓

If yes provide a copy of contents page(s)

Comments: BMD utilise site specific Management Plans (i.e. Safety Management Plan), example to be provided upon request.

- (d) Are work health and safety responsibilities clearly identified for all levels of staff? ✓

If yes provide a copy of contents page(s)

Comments: BMD identifies work health and safety responsibilities of staff members within tailored Management Plans (i.e. IPMP, Safety Management Plan, Emergency Response Plan, etc., examples to be provided upon request.

1.2 Safe work practices and procedures

- (a) Has the Tenderer prepared safe operating procedures or specific safety instructions relevant to its operations? ✓

If yes provide a summary listing of procedures or instructions



Comments: BMD utilise and consistently review a comprehensive series of core/safe operating procedures, as follows:

- Asbestos Management – Core Operating Procedure
- Confined Spaces Management – Core Operating Procedure
- Electrical Equipment Management – Core Operating Procedure
- Energy Use Management – Core Operating Procedure
- Formwork and Falsework Management – Core Operating Procedure
- Hazardous Chemical Management – Core Operating Procedure
- Hazardous Manual Tasks Management – Core Operating Procedure
- Isolation and Tagging Management – Core Operating Procedure
- Lifting Equipment Management – Core Operating Procedure
- Plant and Equipment Management – Core Operating Procedure
- Remote or Isolated Work Management – Core Operating Procedure
- Scaffolding Management – Core Operating Procedure
- Soil and Land Management – Core Operating Procedure
- Trenching and Excavation Management – Core Operating Procedure
- Waste and Recycling Management – Core Operating Procedure
- Water Quality Management – Core Operating Procedure
- Working at Heights Management – Core Operating Procedure
- Working Near or Over Water Management – Core Operating Procedure
- Working Near Services Management – Core Operating Procedure
- Backhoe – Safe Operating Procedure
- Dozer – Safe Operating Procedure
- Dump Truck / Haul Truck / Water Truck – Safe Operating Procedure
- Elevated Work Platform – Safe Operating Procedure
- Excavator – Safe Operating Procedure
- Front End Loader – Safe Operating Procedure
- Grader – Safe Operating Procedure



- Vac Truck – Safe Operating Procedure
- Roller – Safe Operating Procedure
- Scraper – Safe Operating Procedure
- Skid Steer Loader – Safe Operating Procedure
- Street Sweeper – Safe Operating Procedure
- Telehandler – Safe Operating Procedure
- Tractor – Safe Operating Procedure

Core/Safe Operating Procedures to be provided upon request.

- (b) Does the Tenderer have any permit to work systems? ✓

If yes provide a summary listing or permits:

BMD utilise a Permit to Work (PtW) system in conjunction with an overarching Services Control Plan (SCP). The SCP is updated fortnightly and identifies areas of site in which a detailed PtW is required. Examples/templates to be provided upon request.

- (c) Is there a documented incident investigation procedure? ✓

If yes provide a copy of a standard incident report form

BMD utilise an on-line incident reporting system, outlined within the BMD Incident and Accident Management Standard. please refer **Appendix C** for the contents page of the Standard as well as the Incident and Accident Database Guideline.

- (d) Are there procedures for maintaining, inspecting and assessing the hazards of plant operated/owned by the company? ✓

If yes provide details:

BMD utilise Daily Plant and Machinery Pre-Start Checklists as well as Safe Operating Procedures associated with each specific item of plant. Examples of each to be provided upon request.

- (e) Are there procedures for storing and handling hazardous substances? ✓

If yes provide details:

BMD utilise a Hazardous Chemical Management Core Operating Procedure which outlines the requirements associated with management of storing/handling of hazardous substances on-site.



A Hazardous Chemical Risk Assessment is undertaken for dangerous substances with a Material Safety Data Sheet (MSDS) and associated register stored on-site for immediate access. Examples of each to be provided upon request.

- (f) Are there procedures for identifying, assessing and controlling risks associated with manual handling? ✓

If yes provide details:

BMD utilise Job Hazard Analysis (JHA) cards for all tasks performed on-site with a Safe Work Method Statement (SWMS) developed for high-risk tasks. These both consider risks associated with manual handling and are reviewed/updated daily, or when a task/conditions change.

BMD have also introduced a 'Switch On' program which includes physical warm-ups undertaken during pre-start to reduce the risks associated with manual handling injuries.

1.3 Work Health and Safety training

- (a) Describe how work health and safety training is conducted in your company:

BMD utilise an on-line Contractor's Management System (CMS) which incorporates HSEQ training modules into the compulsory induction process for **all** employees and subcontractors - the system acknowledges the relevant trade/role and tailors training modules specific to the individual.

Beyond the on-line training modules, BMD offer consistent theory and practical based training courses across all elements of Health, Safety, Environment and Quality with a focus on up-skilling not only vital to the successful delivery of projects, but the companies on-going growth.

- (b) Is a record maintained of all training and induction programs undertaken for employees in your company? ✓

If yes provide examples of work health and safety training records:

BMD utilise an on-line Contractor's Management System (CMS) including a database of employees and respective training, licences, qualifications, Verifications of Competency (VoC), Operator Skills Assessments (OSA), etc.

All employees are required to complete HSEQ related BMD On-line Training (BOLT) Modules, with all training tracked through MYJOB and available for use by the on-site management team.

Work Health and Safety workplace inspection

- (a) Are regular work health and safety inspections at worksites undertaken? ✓

If yes provide details:



BMD management staff (i.e. foreman, leading hands, engineers) are required to undertake a minimum of one Activity Based Conversation (ABC) per week. These ABC's allow for the team to step-back, analyse, discuss and review tasks on-site to ensure methodologies and processes being implemented are as safe as realistically possible. In conjunction with the ABC, each site (foreman or engineer) carry out a Weekly Safety Environment Checklist which allows for identification and rectification of HSEQ issues.

Job Hazard Analysis (JHA) cards are collaboratively completed by each crew prior to performing a specific task and allow for health and safety issues to be discussed, reviewed and implemented in real time. These JHA cards are reviewed both daily and/or if the conditions or task have changed.

Beyond these on-site measures, BMD undertake sporadic audits of on-site health and safety performance with a Safety Advisor generally visiting each project on a weekly (minimum) basis.

- (b) Are standard workplace inspection checklists used to conduct work health and safety inspections? ✓

If yes provide details or examples:

As outlined above, BMD utilise Activity Based Conversations (ABC), a Weekly Safety and Environment Checklist, Job Hazard Analysis (JHA) Cards. Please refer **Appendix C** for examples of each.

- (c) Is there a procedure by which employees can report hazards at workplaces? ✓

If yes provide details:

BMD promote open communication on each work-site. Employees are encouraged to identify and actively report hazards to their leading hand, engineer or foreman. To aid the process of communication, employees are involved in the development of Job Hazard Analysis (JHA) cards as well as Safe Work Method Statements (SWMS) and partake in Activity Based Conversations (ABC) on a weekly basis.

Beyond these avenues, collaborative tool-boxes on HSEQ issues are run on a weekly basis with hazards discussed within each morning tool-box.

1.4 Work Health and Safety consultation

- (a) Is there a work health and safety committee? ✓

- (b) Are employees involved in decision making over work health and safety matters? ✓

If yes please provide details:

As outlined above, BMD's approach to management of health and safety on-site is both communicative and collaborative. Tools such as JHA Cards and ABCs



allow employees actively involved in each specific task the opportunity to identify and contribute to mitigation strategies adopted – ultimately boosting their understanding of the task itself, as well as the level of safety it's performed under.

- (c) Are there employee elected work health and safety representatives?

Comments: BMD don't specifically promote election of work health and safety representatives by employees, however promote the idea that **all** employees are responsible for and able to contribute positively in the realm of HSEQ management.

Employees are specifically engaged within BMD HSEQ roles allowing for expert management of health and safety on-site however, the successful performance of our project teams is ultimately leveraged by the implementation of tools (i.e. JHA Cards, SWMS, ABC's, Safety Inspection Checklists, etc.) which allow for all employees to take-part in identifying and mitigating potential hazards on-site.

1.5 Work Health and Safety performance monitoring

- (a) Is there a system for recording and analysing work health and safety performance statistics?

If yes provide details:

BMD utilise an on-line system for tracking HSEQ performance – each site updates statistics, targets, feedback, etc. on a monthly basis, tool-box performance to the site crew and display statistics within the office and/or crib room of each site. An example screenshot can be provided upon request.

- (b) Are employees regularly provided with information on company work health and safety performance?

If yes provide details:

BMD display monthly HSEQ statistics within the office and/or crib room of each site. These statistics are reported, updated and displayed on a monthly basis.

Beyond the publication of performance stats, BMD run daily pre-start meetings and weekly tool-box meetings in which HSEQ performance is collaboratively discussed as a team.

- (c) Has the company ever been convicted of a work health and safety offence?

If yes provide details: N/A



1.6 **Safety performance**

(a) Please provide the following information for the last three years

	2015/2016	2016/2017	2017/2018
What was the average number of employees in your organisation?	~1,600	~1,600	~1,700
What was the approximate number of hours worked?	170,110	185,813	276,977
How many injuries have occurred to your employees which resulted in a fatality, permanent disability or time lost from work of one day or more?	0	0	0
What is the Lost Time Injury Frequency Rate?	3.09	2.81	3.61
What is the total number of full days lost due to injury?	0	0	0
What is the average days lost per injury?	0	0	0

2. Please provide a sample Risk Assessment for the tendered work.

Please refer **Appendix C** for example Risk Assessment.



Schedule 7

Environmental Management System

Tenderer's are to provide details of their environmental management system and where possible, examples of:

- Reports on environmental performance
- Incident reports including actions taken to address the incident and improvements to processes to reduce risk of occurring again
- Environmental management plans established for other contracts

The Environmental Management System

BMD is dedicated to maintaining its position and reputation as a leader in the civil construction industry. We are committed to managing the environmental risks associated with our projects and aim to address, reduce and wherever possible, eliminate harm to the environments in which we work.

We offer our clients best practice engineering solutions based on sustainable environmental management principles and practices through an accredited Environmental Management System (EMS). The EMS forms part of BMD's Integrated Business Management System (BMS).

To demonstrate our commitment to environmental management, BMD currently holds a number of industry recognised (externally audited) multi-site certifications that extend beyond Environmental (ISO 14001) to Quality (ISO 9001) and Safety (AS 4801).

The BMS facilitates a level of depth and flexibility to guide the successful delivery of a variety of infrastructure projects. Within the BMS structure, the EMS has been developed to allow for flexibility on a 'by project' basis to ensure we not only meet BMD expectations but all project/site specific specifications, permits, approvals, authority guidelines, best practice standards and legislative requirements.

The BMD Environmental Policy

At the forefront of the EMS is the BMD Environmental Policy, clearly stating our commitment to maintaining our position and reputation as a leader in the engineering fields of design, construction, commercial landscaping, building, project management, urban development, superintendent and consulting services.

The policy provides direction to the EMS, with internal training and development programs the catalyst to ensuring procedures and construction methods are understood by the workforce, implemented and maintained for the duration of each project. Displayed on-site, the policy projects key requirements/commitments and is communicated during the induction process.



BMD Group Objectives and Targets



BMD’s overarching environmental objective is to achieve Zero Harm through the protection and improvement of the environment. Our Zero Harm goal sees us strive towards ensuring our people, the community and environments in which we work remain unharmed throughout the duration of each project - clear objectives create a culture in which caring for our mates, families and the surrounding environment become second nature.

BMD’s Environmental Policy outlines how the organisation plans to meet and exceed this ‘Zero Harm’ objective, beyond specification and legal obligations. Buzz words aside, targets are clearly set for each project in the form of lead indicators, lag indicators and group significance targets. As part of our commitment to continuous business-wide environmental improvement, BMD have rolled out five environmental improvement plans – identified through analysis of group performance and incident investigations, these key innovations and initiatives are implemented nationally as standard practice on all sites.

Allowing for a deeper understanding of best practice environmental management, these initiatives empower site staff to implement improvements on site.

Integrated Project Management Plan (IPMP)

At a project level, the Integrated Project Management Plan (IPMP) becomes the overarching project reference for environmental management through construction. It describes how BMD will manage and control environmental aspects and potential impacts through project-wide and element-specific approaches. The IPMP prescribes all applicable procedures, processes and practices to be undertaken by BMD and our subcontractors in order to manage environmental risks, effectively minimise impacts on the surrounding environment and ensure compliance with both moral and regulatory obligations throughout preliminary, construction and commissioning phases.

Environmental Management Sub-Plans

As part of the IPMP, Environmental Management Sub-Plans are created for environmental aspects of the project as required during the tender phase. These contain detailed information on control measures for each specific aspect and are developed through review and analysis of project environmental reports, contractual documents, community impact statements/feedback reports, legal compliance requirements and professional experience. The following Environmental Sub-Plan examples are available upon request.

Environmental Aspect	Associated Environmental Impact (Risk)	Environmental Sub-Plans
Heritage	Loss or damage to Indigenous or European heritage items/areas/artifacts	Heritage Management Plan



Flora	Loss or harm to flora (incl. habitat) occurring both on and adjacent to site	Flora and Fauna Management Plan
Fauna	Loss or harm to fauna (incl. habitat) occurring both on and adjacent to site	Flora and Fauna Management Plan
Soil	Loss and erosion of useable soil	Soil and Water Management Plan
Water	Degradation of surrounding surface water due to run-off from site	Soil and Water Management Plan
Noise	Impact to surrounding stakeholders and environment from noise	Noise Management Plan
Vibration	Impact to surrounding stakeholders and environment from vibration	Vibration Management Plan
Contamination	Contamination of previously uncontaminated areas impacting the community and/or environment, management of existing contaminants or unexpected contaminated finds	Contamination Management Plan
Sustainability	Overuse of resources (energy, water, materials), inadequate consideration of social and environmental aspects	Sustainability Management Plan
Hazardous Materials	Impact to surrounding stakeholders and environment from contact/spills with hazardous materials	Hazardous Substances Management Plan
Waste	Excessive generation of waste, polluting the local community and environment	Waste Management Plan
Dust and Exhaust Emissions	Impact to surrounding stakeholders and environment from dust and exhaust emissions	Air Management Plan

Sustainability

In 2017, BMD joined the Infrastructure Sustainability Council of Australia (ISCA) as a member, reinforcing the Group's commitment to sustainability. As the peak industry body for advancing sustainability outcomes within the infrastructure industry, ISCA specialises in the facilitation and development of industry led performance based integrated triple-bottom-line governance and reporting framework. BMD's membership builds on our involvement in ISCA's IS rating scheme on the Victoria International Container Terminal (VICT) – as part of the wider VICT project team, we achieved a rating of 'Leading' for design and 'Excellent' for as-built.

“A ‘Leading’ rating is the highest rating category a project can achieve in the IS Rating Scheme. This outstanding achievement by the VICT team demonstrates what can be achieved when a project embraces sustainability in their design process. VICT have shown great leadership for other container terminals with what they were able to achieve in their facility design, evidenced not only by their total score but by their achievement of 10/10 innovation credits” – Ainsley Simpson, Manager Technical and Business Services, ISCA



Schedule 8

Quality Systems

Describe the level of quality assurance in place in the Tenderer's organisation and plans to move to quality accreditation if not presently accredited.

BMD Quality System

The BMD Group has invested in developing and implementing a Corporate Business Management System (BMS) that enables consistency, transparency and measurability across all its businesses. The BMS offers our clients best practice engineering solutions underpinned by a Quality Management System accredited to ASNZ ISO 9001, a system recognised Nationally that sees the group prequalified for both private and government contracts of the largest scale.

Quality Management Plan

On a project-level, BMD implement a Quality Management Plan (QMP) as part of the greater IPMP – a dynamic document, adapted to suit each specific project. The plan provides a complete management tool for project staff; outlining roles and responsibilities, specific QA requirements/obligations and assuring stakeholders a 'quality' outcome across all aspects of the project.

BMD Group Objectives and Targets

As technology continues to evolve, ensuring BMD's systems and processes enhance our employees' efficiencies whilst meeting moral and technical obligations of our clients and regulatory bodies, remains a key priority. Tech transforms the way we do business with the introduction and implementation of electronic-forms, online training (BOLT) programs, Foreman's app and the on-line Business Management (BMS) Portal vital to BMD's future progression.

In 2017, tablets were introduced to project sites across the country, allowing foreman to 'supervise' their projects in real-time, record QA information on the move and spend less time confined to a desk – not only improving the accuracy of reporting, but overall quality of projects in general.

Provide details of contracts performed by the Tenderer under its Quality Assurance System.

BMD have operated under an accredited Quality Assurance System beyond the past decade, specific contracts to be provided upon request.



Schedule 9

Industrial Relations Record

Provide a summary of the Tenderer's industrial relations record over the last five years.

N/A (BMD have no Industrial Relations actions over the past five years)

BMD's Workplace Relations Management Plan (WRMP) details the policies, procedures, objectives, strategies, systems and processes that are utilised in the effective management of employee relations, ensuring compliance with the Code for the Tendering and Performance of Building Work 2016 (the Building Code 2016) and the South Australia State Code of Practice Guidelines.

The WRMP shall apply to BMD's scope of works on the Caroline Landfill Development: Construction of Cell 3C. Being a live document, the WRMP is amended, updated and/or altered to ensure relevance to the project, with all changes recorded and communicated to relevant stakeholders.

All BMD employees and subcontractors will be required to comply with the requirements set-out within the WRMP, noting that the plan applies to any person/organisation performing works on the project.

Any amendments to the WRMP will be submitted to the Australian Building and Construction Commission (ABCC) and relevant South Australian Authorities for approval prior to implementation.

The Workplace Relations Management Plan is to be provided upon request.



Schedule 10

Conflict of Interest

Provide details of any interest, relationship or clients which may or do give rise to a conflict of interest and the issue about which that conflict or potential conflict does or may arise.

N/A



Schedule 11

Referees

Details of at least three references for similar work and information on the approximate date when work was completed and the approximate value of work undertaken.

Reuse this page if more than three references are provided.

Client Name: Department of Planning, Transport and Infrastructure (DPTI)
Address: 77 Grenfell Street, Adelaide, South Australia SA 5000

Contact Name: Kylie O'Leary
Telephone: 0400 365 979
Email: kylie.oleary@sa.gov.au
Date of Work: Nov '15 – Apr '16
Value of Work: \$8.25m

Client Name: City of Holdfast Bay
Address: Brighton Civil Centre, 24 Jetty Road, Brighton SA 5048

Contact Name: Malcom Wilkinson
Telephone: 08 8229 9999
Email: Malcom.wilkinson@tonkin.com.au
Date of Work: Apr '15 – Feb '16
Value of Work: \$4.7m

Client Name: City of Charles Sturt
Address: 72 Woodville Road, Woodville SA 5011

Contact Name: Jamie Hosking
Telephone: 08 8408 1111
Email: jhosking@charlessturt.sa.gov.au
Date of Work: Mar '15 – Nov '15
Value of Work: \$8.6m

Please refer overleaf for testimonials.



holdfast.sa.gov.au

Brighton Civic Centre 24 Jetty Road, Brighton SA 5048

PO Box 19 Brighton SA 5048

P 08 8229 9999 F 08 8298 4561

Glenelg Customer Service Centre and Library

2 Colley Terrace, Glenelg SA 5045

20141428LT/MW

12 February 2016

BMD Constructions Pty Ltd
45 Greenhill Road
WAYVILLE SA 5034

Attention: Tim Bishop

Dear Tim

KAURI PARADE TENNIS COURTS, SEACLIFF

On behalf of City of Holdfast Bay and as the Superintendent for this project, I would like to thank BMD for their involvement in the success of the construction of the 12 tennis courts at the John Mathwin Reserve, Seacliff. As the Development Project Manager for the Kauri Parade Sports Precinct, BMD has proven to be a very professional team to deal with and has provided a solution which met the Principle's Requirement Brief under challenging geotechnical and environmentally sensitive site conditions. We commend you on achieving the completion of the project ahead of the scheduled opening date, allowing the tennis club access to the courts which was a very pleasing outcome for the club and for Council.

We look forward to working with BMD again in the future.

Yours faithfully
CITY OF HOLDFAST BAY

M WILKINSON



72 Woodville Road, Woodville
South Australia 5011
PO Box 1, Woodville SA 5011

T 08 8408 1111
F 08 8408 1122
charlessturt.sa.gov.au



BMD Constructions Pty Ltd
GPO Box 1964
ADELAIDE SA 5001

Attention: Adam Cusenza
adam.cusenza@bmd.com.au

Dear Adam

Testimonial for Henley Square Redevelopment

BMD has recently completed the Henley Square Redevelopment for the City of Charles Sturt. Through this project BMD demonstrated a genuine commitment to ensuring public safety, working within the constraints of an active trading area, environmental consideration and overall project performance.

BMD approached a very difficult site with multiple stakeholders and user groups, unique climatic conditions and limited access with precise and meticulous planning. Their commitment to ensuring that the project was delivered on time and on budget ensured that their management of the site and public was excellent.

BMD working with City of Charles Sturt and their combined civil and building experience has allowed for the successful mitigation and planning for any potential project issues. The City of Charles acknowledges the professionalism of all the BMD staff working on the project, their ability to work within a challenging site and be adaptable help ensure the successful delivery of the project on time and within budget. The BMD team provided on-going innovative and cost saving solutions. They showed an outstanding ability in meeting quality requirements and getting the project completed successfully.

The redevelopment had to be completed on program to satisfy the requirements of external funding and community expectations. This necessitated the project be run on a six day program and all long lead times be identified early in the project. BMD was able to manage all aspects of the project to ensure all certifications were met and the Square was able to be ready for opening and summer trading season. BMD's team was professional, reliable, efficient and easy to work with.

The City of Charles Sturt looks forward to maintaining a close working relationship with BMD.

A handwritten signature in black ink, appearing to read "Hosking".

Yours Sincerely
Jamie Hosking
Coordinator Urban Design





OFFICE OF THE LORD MAYOR

Mr David Moody
National General Manager
BMD Urban
GPO Box 1964
Adelaide SA 5001

I write to congratulate you and all those involved in the construction and delivery of the ANZAC Centenary Memorial Walk.

The granite wall depicting Australian society through a century of conflict and honouring the more than 102,000 Australian servicemen and women who gave their lives while serving our nation since Federation is a significant tribute to the loyalty and dedication of Australia's diggers.

I wish to congratulate your entire team for the delivery of this project on time and on budget for this year's Anzac Day commemorations. With a short time frame and considerable amount of work to be undertaken, it was a big ask, and your team certainly delivered, for which we are incredibly grateful.

Since the project's completion, I have walked its length several times, admiring the beautiful streetscape and the great addition it makes to the City of Adelaide while also reflecting on the contribution and supreme sacrifice made by our service men and women in the past century.

Thank you for your efforts in the creation of this ideal memorial.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Martin Haese', written over a large, stylized circular flourish.

Martin Haese
LORD MAYOR

31st May 2016

The Hon Martin Hamilton-Smith MP
Member for Waite

16MVA/101



**Government
of South Australia**

Minister for Investment
and Trade
Minister for Small Business
Minister for Defence
Industries

Minister for Veterans'
Affairs

Level 13
State Administration Centre
200 Victoria Square
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GPO Box 11032
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DX 168

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Fax 08 8226 8444

officeofminister.hamilton-smith@
sa.gov.au

www.martin-hamilton-smith.
com.au

Mr David Moody
National General Manager – Urban Development
BMD Constructions
PO Box 197
WYNNUM QLD 4178

David

Dear Mr ~~Moody~~

Congratulations to you and your staff for the outstanding construction of the Anzac Centenary Memorial Walk.

In a little over five months your South Australian team, led by Mr George Roussos, delivered to the City of Adelaide and to South Australia a project that is, and will continue to be, the envy of other Australian cities.

I would like to especially commend the contribution of Mr Adam Cusenza who coordinated the work of a myriad of sub-contractors, with often more than 80 work personnel on site working on discrete elements of the design. Mr Cusenza did all this while maintaining a thoroughly professional approach regardless of circumstance. Mr Cusenza is a credit to your organisation.

There were also other members of the team who all contributed to the delivery of the Memorial Walk, Mr Michael Gardner, Mr Fred Harding, and Mr Damien Hardy. I have received nothing but positive and glowing reviews about the design of the Memorial Walk. Everyone I have spoken to is captivated by the interpretive wall, and complimentary about the level of detail and the subtle yet poignant commemorative sense the Memorial Walk invokes.

Thank you for delivering to the veterans of this state and the people of South Australia a fitting tribute during this Centenary of Anzac.

Yours sincerely

Hon Martin Hamilton-Smith MP
Minister for Veterans' Affairs

21/5/2016

cc. Mr George Roussos, BMD Constructions





Schedule 12

Statement of Conformity

If the Tender does not comply with all the requirements of the Tender Documents, the Tenderer must list below all areas of non-conformity, partial conformity or alternative offer and the reasons therefore.

The Tender must be read to disregard and render void any area of the Tender which is non-conforming, partially conforming or an alternative offer except to the extent detailed in this Schedule.

If any non-compliance is determined to be unacceptable, the Tender may not be further considered.

NC = Non-conforming

PC = Partial conforming

AO = Alternate offer

Area of non-conformity and reason	NC/PC/AO
<i>Please refer Below for BMD's list of Clarifications and Exclusions pertaining to our submission</i>	

Tender Qualifications

A complete list of assumptions, conditions and exceptions forming our submission and qualifying our tender is provided below.

The following notes are to be read as part of our offer for this tender which is submitted on the following basis:

1. BMD seek to establish mutually agreeable contract conditions, specifically pertaining but not limited to –
 - Securities – BMD have made allowance for the provision of 2 x 2.5% of Contract Value AAA rated, unconditional insurance bonds for security of the works
 - BMD are entitled to EOTs for late payment of approved progress claims
2. BMD have allowed to remove 300mm interim cover material from the existing clay layer (as per tender documentation), this depth and associated volume shall be verified by survey and BMD are to be reimbursed for removal of additional material (if required)
3. BMD have assumed 0.4m of clay liner has already been constructed by others (as per tender documentation), this depth and associated volume shall be verified by survey and BMD are to be reimbursed for importation, placement and compaction of additional material (if required)
4. BMD have allowed for placement of Bidim A34 geofabric (6m x 150m rolls), with edges secured using drainage aggregate. Whilst rolls will overlap, no additional allowance has been included for stitching or welding of the geofabric.



5. BMD have assumed that construction water will be supplied free of charge
6. BMD have assumed that any water within Cell 3C (prior to mobilisation) has been pumped out, and that the area has sufficiently dried-out before the commencement of works
7. BMD have adopted rates for drainage aggregate from Gambier Earth Movers (GEM). Given GEM are our direct competitor, BMD feel as though significant savings could be explored from the City of Mount Gambier Council directly supplying the product, i.e. removing this from the contract scope entirely
8. BMD have assumed that the Council and EPA commissioning/approval of Cell 3C prior to removal of the Northern and Eastern bunds will happen simultaneously with completion of works, i.e. without delaying the remainder of the contracted scope (as reflected within BMD's Tender Program)
9. Whilst BMD have made allowance for rehabilitation of disturbed areas, no allowance has been made for hydroseeding, re-vegetation, etc.

Exclusions

1. As per Clause 1.6 Scope of Works within the Construction Quality Assurance Plan, BMD have allowed for subgrade preparation on the Western batter only, having assumed that the Southern batter has been completed (incl. testing, survey and level 1 approval) by others
2. BMD have allowed to remove internal (temporary) bunds between Cells 3C and 3A only, including connection of HDPE leachate lateral/main pipework between cells, backfill (300mm depth) with drainage aggregate cover material and placement of Bidim A34 geotextile. No allowance has been made to perform this scope between Cells 3A and 3B



Schedule 13

Organisation Structure, Facilities and Resources

1. Organisation structure

Provide details of the staff and the organisation structure proposed to be used for performance of the Services. Details must include but not be limited to:

- Company structure to be used to support the Services including size and location of office, organisation structure
- Number of staff proposed to be used and their qualifications and experience
- Details of the award, enterprise agreement, and/or local area workplace agreement, under which staff will be employed, and rates of pay, conditions, or allowances

The BMD Group

Please also refer to BMD's Executive Summary; located at the beginning of our tender submission

The BMD Group proudly operates five companies including BMD Constructions, BMD Urban, Empower Engineers & Project Managers, JMAC Constructions and Urbex. Since our inception in 1979, BMD has established itself as a multi-disciplinary civil infrastructure powerhouse with capabilities across engineering design, construction, land development and building for clients and partners in the urban development, transport infrastructure, resources and energy sectors.

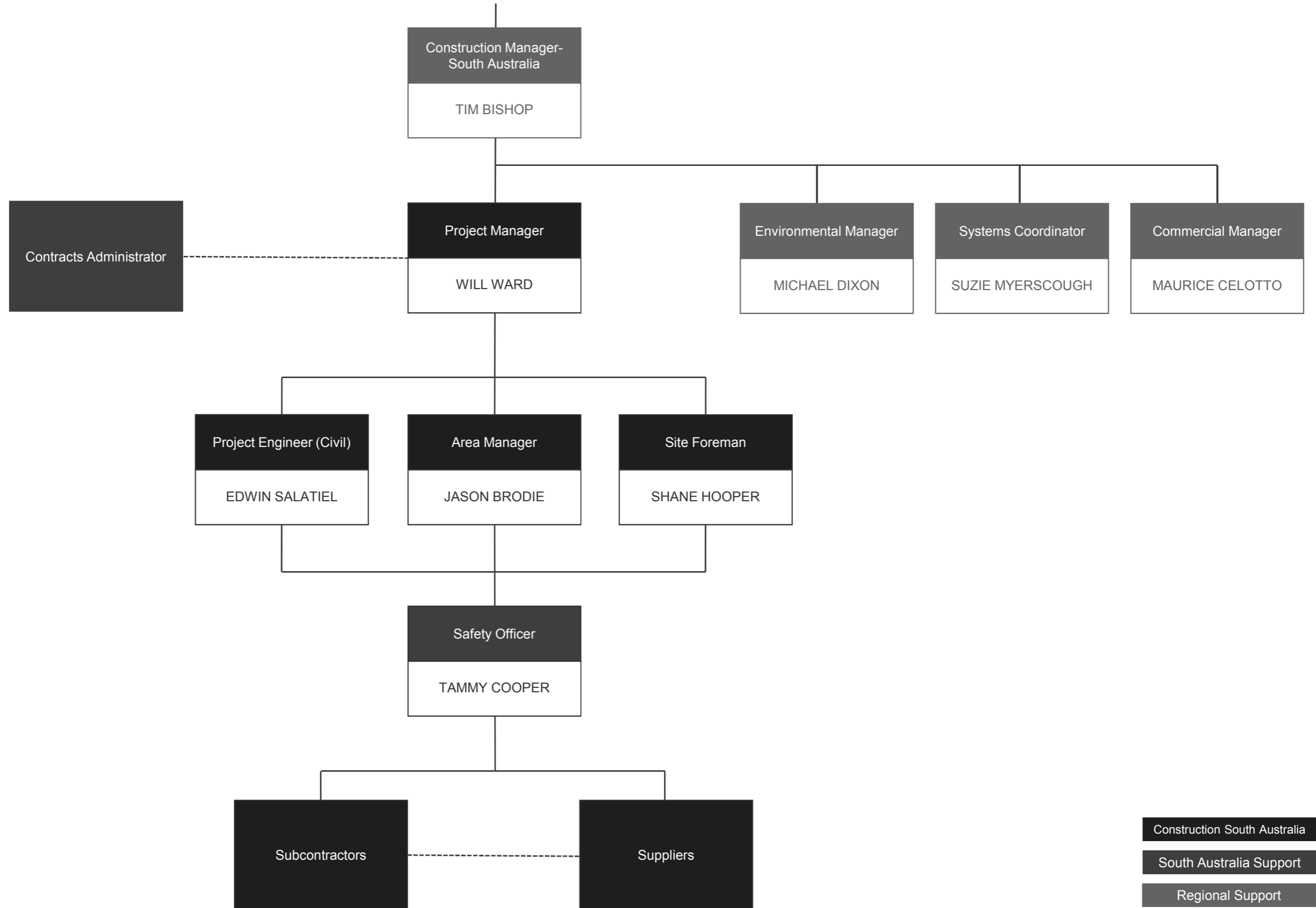
In 2017, BMD celebrated 10 years within South Australia, having begun operations in civil and structural infrastructure in early 2007. During our tenure, BMD have adopted a collaborative approach with partners across our portfolio from the early stages of project development, identifying key challenges, managing risks to resource allocation – through open communication, our teams work efficiently to deliver a diverse range of civil infrastructure solutions for our clients.

BMD understand the significance of investment in 'people' and appreciate the importance of fostering an organisational culture conducive to the successful delivery of projects, and ultimately, the satisfaction and retention of the people who make that a possibility. We pride ourselves on the strength of that commitment to our workforce and this extends to the suppliers and subcontractors we engage; long-standing working relationships offer flexibility and an extension of the BMD arm beyond our direct capabilities.

The proposed team is well established. Fronted by Construction Manager, Tim Bishop, selection has been based on proven experience across large scale civil/earthworks projects. Please refer overleaf for our proposed Organisational Chart.

BMD has built a strong presence in South Australia over the past decade, with success undoubtedly attributed to this collaborative approach – with that in mind, we're genuinely excited about the prospect of delivering the Caroline Landfill Development: Construction of Cell C3 and look forward to working with the City of Mount Gambier Council in the future.

Caroline Landfill Development: Construction of Cell 3C
Organisational Chart



- Construction South Australia
- South Australia Support
- Regional Support





2. Employees

In approaching the identification and nomination of our project team, BMD has specifically selected personnel with past experience on similar civil/earthworks projects – please refer to our key personnel; roles and responsibilities outlined in the table below.


Note: Please also refer to **Appendix D** for proposed personnel; Curricula Vitae

Key Personnel		Qualifications and Experience
<p>Tim Bishop <i>Construction Manager</i></p>		<p>Qualifications: <i>Bachelor of Engineering (Hons), ACSM.</i></p> <p>Experience: Tim has driven the recent rapid growth of our South Australian Civil Business across multiple market sectors, and leads our urban development and infrastructure divisions in the state. Tim leads a highly motivated team of multiple project managers, engineers, field personnel and safety/systems support staff with passion and commitment.</p> <p>Tim is a positive, proactive leader in safety, quality, environmental and commercial aspects of the civil industry. Throughout his career He has driven a positive safety indicator of >3.2 million man hours without Lost Time Injury. Tim is commercially astute and positively drives win-win scenarios for clients and BMD.</p> <p>BMD's Project at Kauri Parade won the 2016 National Earth Award Category 2 for Engineering Excellence, with the Henley Square Redevelopment winning the South Australian State Award.</p>
<p>Will Ward <i>Project Manager</i></p>		<p>Qualifications: <i>Bachelor of Engineering Civil (Honours), Masters in Engineering Science (Civil)</i></p> <p>Experience: Will has gained extensive experience working as an engineer/project manager on numerous infrastructure projects and subdivisions. Will has excellent communication and leadership skills and a proven record of delivering complex accelerated projects safely, on time and on budget and would be a valuable asset to any team. He prides himself on hard work, achieving the client's goals and working in a collaborative approach with clients, consultants and subcontractors on projects.</p>



<p>Shane Hooper Foreman</p>		<p>Qualifications: <i>Power Shovel Operator; WA Department of Mines & Energy; Workplace Trainer (Cert 4); Industry Training Centre; Workplace Assessor (Cert4); Industry Training Centre; Certificate II in Coal Operations; Richards Mining Services; Full OHS National Plant Ticket; Star Training & Assessing; Certificate IV in Frontline Management; ACAL; Appointed Person section 44; Site Skills Training; BHP Field leadership training; Senior First Aid; Driver's Licence: Heavy Combination; White Card</i></p> <p>Experience: Shane is a results driven, self-motivated Site Civil Foreman. With over 25 years in the industry. Shane's 'No Problems, Just Solutions' attitude helps maximise his team's ability to work under pressure to meet any and all key Client's milestones.</p> <p>In addition to working on major civil structures, Shane has also undertaken a Senior Supervisor/Foreman role on many earthwork and pavement projects throughout South Australia. He is highly qualified for the role of Civil Foreman and is proficient in administration, quality assurance, and reporting systems.</p>
<p>Edwin Salatiel Project Engineer</p>		<p>Qualifications: <i>Bachelor of Engineering (Hons) – Civil and Water, University of South Australia</i></p> <p>Experience: Edwin has over 9 years experience working in the civil construction industry as a Project Engineer and within pre-contracts. Having worked in South Australia, Western Australia and Queensland, meeting local statutory bodies' specifications, Edwin has developed a high attention to detail and invaluable sense of communication.</p> <p>Edwin has managed quality assurance, coalition and the delivery of manufacturers data reports on a wide variety of projects including, but not limited to, the construction of roads, rail embankments, bridges, tailings dams and concrete structures.</p> <p>Having worked in strict environmental conditions, Edwin is committed to zero harm in regards to safety and the environment.</p>



<p>Tammy Cooper Safety Officer</p>		<p>Qualifications: <i>Certificate III in Civil Construction, Elevated Work Platform Training, Occupational Health & Safety Supervisor, Various Tickets: FEL, Forklift, Skid Steer, Backhoe and 30t Excavator, Boom Lift, HR Truck, EWP, Dogman & Rigger, St Johns Ambulance Senior First Aid, Work Zone Traffic Management, Safety Supervisor Training, SA Water Pipe Laying Course</i></p> <p>Experience: Tammy has over 8 years industry experience and has developed into her current role which oversees safety across all projects within SA. Key projects include Playford Northern CBD, ANZAC Centenary Memorial Walk, Henley Square Redevelopment, Mt Barker Park & Ride and the Pines Hockey Stadium Upgrade</p>
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3. **Other details (e.g. specific plant & equipment, vehicles)**

BMD can confirm the availability of plant/equipment to undertake the works.

4. **Facilities**

Through our National Hire Agreement with Coates, BMD intend on establishing a site office, crib hut and ablutions on-site. Facilities will be secured within temporary fencing and a hard-stand will be constructed (if necessary) to allow for adequate lay-down and stockpile sites.



5. Proposed subcontractors

Provide details in the Table below the proposed major sub-contractors or other representatives to be employed or engaged by the Tenderer. The Tenderer must define the scope and extent of Services to be provided by sub-contractors.

Subcontractor's name and address	Services to be provided
Gambier Earthmovers	Plant (hire)
Horizon United	Plant (hire)
Delta Sand & Stone	Clay Liner (supply)
Gambier Earthmovers	Drainage Aggregate (supply)
Iplex	Perforated Leachate Pipe & Fittings (supply)
Geofabrics Australiasia	Bidim A34 (supply)
Southern Testing	Geotechnical Testing & Level 1 Supervision
Veris	Survey
Coates Hire	Site Facilities (hire)

6. Contingency arrangements

Provide details of contingency arrangements should any facilities or sites required to facilitate the Contract become unavailable in the short and long term.

Whilst BMD don't feel as though the project poses any significant risks associated with procurement lead-times or availability, we have ensured contingency options are in place in the form of alternate subcontractors and suppliers.

Fortunately, the project scope is relatively straight forward with limited technical or proprietary supply items - BMD have an established relationship with the majority of proposed companies, with successful delivery of past projects across South Australia.



Schedule 14

Experience

1. Past performance

For how many years has the Tenderer engaged in the type of work required by the Contract?

10+ in South Australia, 30+ Nationally

Has the Tenderer had an appointment terminated on a project in the last five years. If yes please provide brief details.

N/A

Has the Tenderer terminated a project in the last five years. If yes please provide brief details.

N/A

Has the Tenderer refused to continue providing services under a contract in the last five years unless the terms or payments were changed from those which were originally agreed. If yes please provide brief details.

N/A



2. Current contracts

Provide details of current contracts in a local government environment including the range of services provided and the numbers and types of properties serviced.

Project Name & Details	Project Scope
<p>Managing Contractor – NHPT Temple Stage 3B Sellicks Beach, SA \$5.7M Client: NHPT Temple Association</p> 	<p>BMD has been appointed Managing Contractor for the installation of a steel frame supported, 6-storey timber Buddhist temple at Sellicks Beach. The works involve the staged temple construction, with specialist carpenters, mechanical, electrical and hydraulic services required for the build - the project complements our long-term relationship with the NHPT Temple Association of Australia.</p>
<p>Parafield Park n' Ride Parafield, SA \$3.2m Client: DPTI</p> 	<p>BMD was awarded the re-construction and expansion of the Parafield Park'n'Ride for DPTI. The project involves the construction of a new (300 capacity) car park, landscaping, earthworks, pavements, pedestrian pathways, CCTV, station lighting as well as intersection and access upgrades under live traffic conditions.</p>



PMCA – Kangaroo Island Road Reconstruction Stage 7

Kangaroo Island, SA | \$2.2m

Client: DPTI



BMD was awarded the project in a Project Management Contract Administration (PMCA) capacity, the first time DPTI has engaged a civil contractor under this construction model.

The project's scope involves upgrading existing roads at two major locations on the island - the first being a 19 kilometre section of the Rowland Hill Highway which includes raising 93,000 tonnes of material from a local property's borrow pit. Once upgraded, the highway will be used as a major freight route to Penneshaw where the island's ferry docks. The resheeting of Rowland Hill Highway also involves the upgrade of 26 culverts, as well as the realignment of two intersections to improve safety for motorists.

The second part of the project involves upgrading a 5 kilometre section of the frequently used tourist route, North Coast Road, with the upgrade running West from Stokes Bay.

STEM – Mannum Community College

Mannum, SA | \$2.5m

Client: DPTI



BMD was engaged to deliver a STEM facility at Murray Bridge North Primary School as one of the first regional schools to receive the funding. The project involves demolition of existing internal fitout to create an open plan learning environment. The refurbishment will provide reconfigured spaces to include a common area and learning areas to encourage imagination and support innovation.

The new fitout includes an upgrade of mechanical, electrical and hydraulic services to provide an open interconnected learning area. Works also included construction of a new outdoor learning area. The spaces will assist in fostering collaborative and personal learning opportunities, with light and bright areas and dark and focused areas for different learning applications

BMD is delivering a refurbishment to the STEM buildings at Mannum Community College to develop a fully integrated facility. The project involves works across three buildings. The main building will undergo a complete internal demolition and complete refurbishment which incorporates two new external outdoor learning areas. Other buildings require some minor demolition, refurbishment and extensions.



STEM – Murray Bridge North Primary School

Murray Bridge, SA | \$1m
Client: DPTI



The Science, Technology, Engineering & Mathematics (STEM) initiative provides \$250 million funding over three years to refurbish and redevelop school facilities for the provision of contemporary STEM programs. The new learning facilities will support and enhance student engagement in STEM related areas to encourage future innovation. As part of the initiative, the 60% designed Murray Bridge North School project was released for tender, resulting in BMD being awarded the project. BMD are managing all facets of the D&C project, including but not limited to;

1. Completion of the remaining 40% design scope through consultation with the Architect, Client and DPTI
2. Managing contractor of all trades for the project
3. Community and stakeholder liaison (when required)

Upper Yorke Peninsula Road Overtaking Lanes 2B/2H

Upper Yorke Peninsula, SA | \$2.7m
Client: Downer EDI Works Pty Ltd (DPTI Project)



The project involves the construction of 2 overtaking lanes comprising 5km of new roadway on the Upper Yorke Peninsula. Works comprise vegetation removal, pavement demolition, embankment widening, earthworks, subgrade stabilisation, placement of granular pavements and sealed with a 16/7 spray seal. Linemarking, Signage, Guideposts and Safety Barriers were also installed.

Sturt Highway Overtaking Lanes (Packages 1 & 2)

Truro and Renmark, SA | \$4.4m
Client: DPTI



The construction and extension of five overtaking lanes along A20 Sturt Highway, are being concurrently undertaken as part of the National Highway Upgrade Programme to improve Productivity and Safety by removing impediments to the introduction of Higher Productivity Freight Vehicles and improve the safety of road users.



Coast Park Shared Use Path

Grange, SA | \$4.5m

Client: City of Charles Sturt



This design and construct project has reached 100% design stage, and is currently delayed by the client due to unforeseen issues involving local residents.

The construction is split in a north and south section. The north section is a 3m wide concrete path along the foreshore. The south section includes a section of concrete path leading into an 1100m long, 3m wide FRP boardwalk supported on screw piles through the sand dunes.

3. Other commitments

Provide details of other work commitments expected to continue during this Contract.

Refer above, BMD are well positioned to deliver the Caroline Landfill Development: Construction of Cell 3C.



Schedule 15

Customer Service Plan

Tenderers must demonstrate their capacity and skill in regard to the provision of customer service. Tenderers must describe what systems they will use and performance levels that will be achieved in the provision of advice and response to enquiries, complaints, and requests for assistance from members of the public. This must include but not be limited to:

- procedures for the handling of all enquiries and complaints;
- staff education programs to ensure highest levels of customer service are attained and maintained;
- indicative performance standards for handling of enquiries and complaints, including specific time scales;
- number and qualifications of staff who will provide this service;
- location/s of enquiry and assistance points where enquiries and complaints will be managed;
- hours of availability of customer service and supervisory staff;
- how the complaints register will be maintained;
- proposed information leaflets, forms and reports that will be used in providing this service

BMD will prepare a succinct Customer Service Charter specific to the project, which will detail project-specific procedures for handling of enquiries and/or complaints, outline roles and responsibilities of project staff, identify communication chains (and methods) and link directly to a complaints and notifications register.

We pride ourselves on being a 'relationship contractor' and having a strong history of positive community engagement. BMD will seek, in all instances, to uphold the City of Mount Gambier's strong reputation and understand that we are representing not only ourselves, but a Government Agency.

BMD will provide, as part of their site-team, a single point of contact for customer service comments and complaints which will ultimately streamline communications, ensure consistent messages and provide surety that BMD are handling customer services issues appropriately.

This Customer Service Plan will ultimately be covered within the Stakeholders and Community Relations section of our Specific Integrated Project Management Plan (IPMP), an example copy of this plan can be provided upon request.



Schedule 16

Implementation Schedule and Transition Plan

1. Implementation schedule

Tenderers must provide a comprehensive project plan that encompasses all activities required and timelines for each activity from Contract execution to Contract 'start date' including a "program of works" with identified contingencies.

Please see overleaf for BMD's Tender Program, including all HOLD POINTS identified within Project Specification documents.

2. Transition plan

Tenderers must comprehensively describe their proposals to ensure minimum disruption to service and assistance to customers in adjusting to the new service, during the transition periods at the commencement and also at the termination of the Contract. Such initial transition plan should include timetables for:

- service information leaflets
- notices to users regarding service problems

Please refer to Schedule 15 Customer Service Plan

3. Commitment

Please provide a firm commitment to timeframe for completion of works prior to May 2019.

As reflected within BMD's Tender Program (refer overleaf), the scope of works is to be completed within less than two months. Our intention, again reflected within the program would be to mobilise to site during October (pending dry weather) and ultimately, achieve practical completion prior to Christmas 2018.

Please note: BMD have a potential quarry source for drainage aggregate (pending material property testing) that would allow for a cost saving, but associated lead-times would extend site establishment dates to early 2019. With that said, (if accepted) the programmed works would still be delivered prior to May 2019.

0

4. Evidence

Please provide clear evidence of availability and accessibility of clay.



BMD have received quotations for the clay liner product from multiple sources, however, have allowed for establishment of a clay borrow pit within a site operated by Delta Sand & Stone.

Please note, The City of Mount Gambier Council has suggested that this product had been used successfully within the past Cells, and Matthew Collins of Delta Sand & Stone has confirmed availability.

BMD will be able to provide a confirmation letter from Delta Sand & Stone upon request.

0

5. **Site Set-up**

Please provide details.

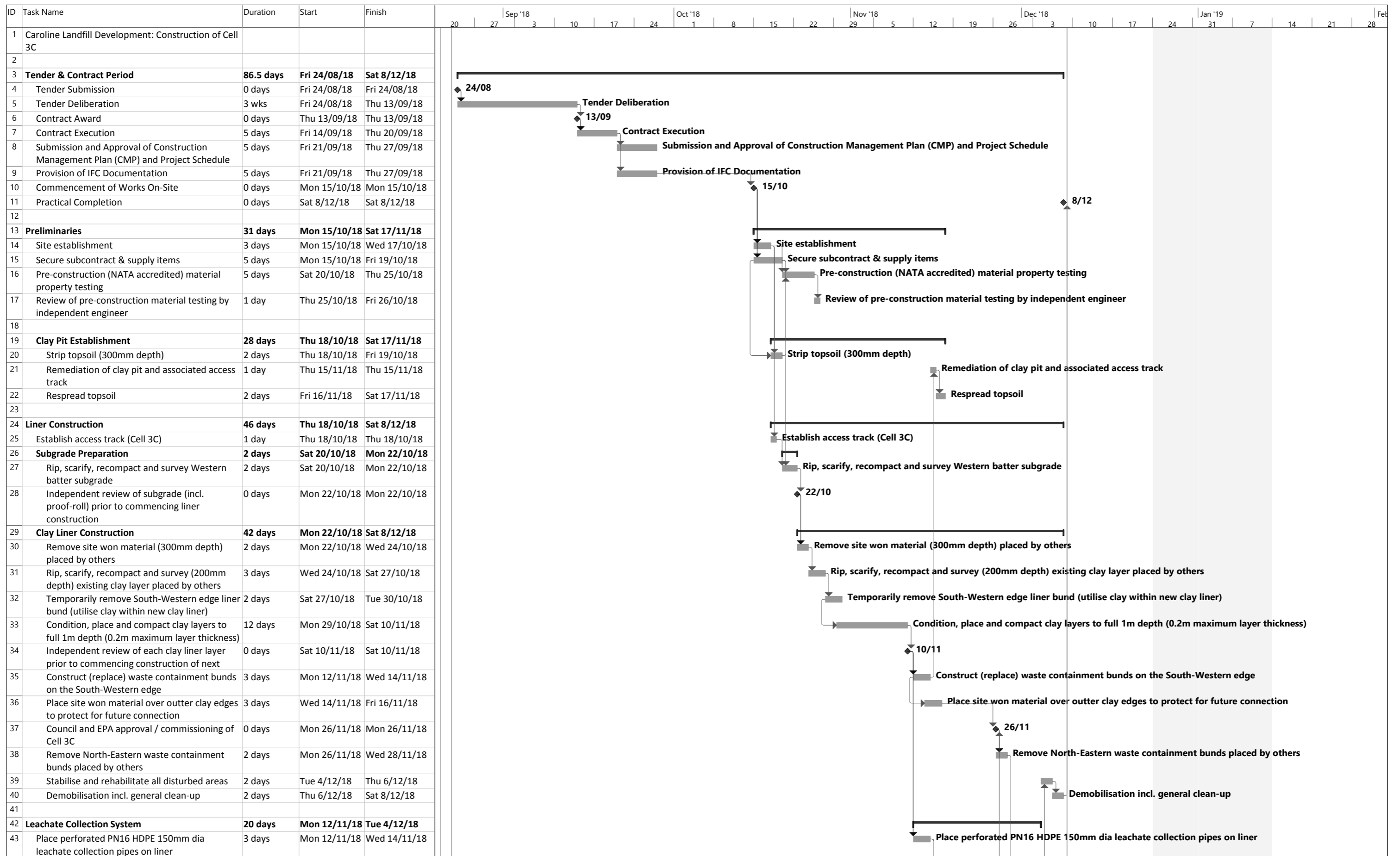
Having performed a site-visit, BMD can confirm that there is an established hard-stand area adjacent the work-site that we would utilise for establishment of our compound. An allowance has been included for the mobilisation of a site office, crib room and ablutions with temporary fencing installed for security.

0

6. **Traffic Management**

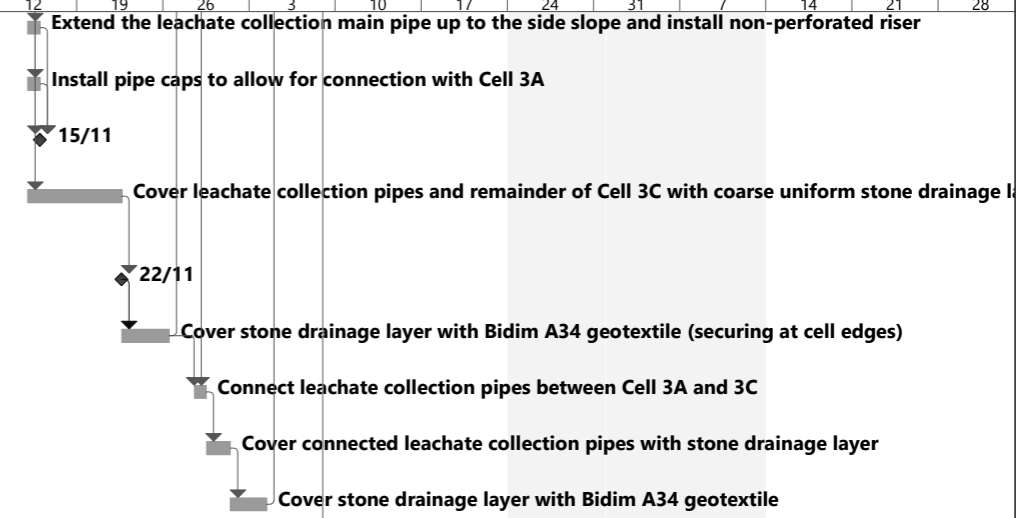
Please detail.

Whilst there are no major concerns around traffic management on public roads, BMD will develop a site specific Vehicle Movement Plan (VMP) that ensures safety and surety of vehicles and plant transversing site. This plan will cover the traffic management requirements at access and egress points and will be displayed within site offices and run-through with staff during mandatory site inductions.



Project: Caroline Landfill Develo Date: Thu 23/08/18	Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Manual Progress
	Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	
	Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Progress	

ID	Task Name	Duration	Start	Finish	Timeline (2018-2019)																											
44	Extend the leachate collection main pipe up to the side slope and install non-perforated riser	1 day	Thu 15/11/18	Thu 15/11/18	[Gantt bar for Task 44: Thu 15/11/18 to Thu 15/11/18]																											
45	Install pipe caps to allow for connection with Cell 3A	1 day	Thu 15/11/18	Thu 15/11/18	[Gantt bar for Task 45: Thu 15/11/18 to Thu 15/11/18]																											
46	Conduct survey of leachate collection lateral and main pipe locations	0 days	Thu 15/11/18	Thu 15/11/18	[Gantt bar for Task 46: Thu 15/11/18 to Thu 15/11/18]																											
47	Cover leachate collection pipes and remainder of Cell 3C with coarse uniform stone drainage layer (300mm depth)	7 days	Thu 15/11/18	Thu 22/11/18	[Gantt bar for Task 47: Thu 15/11/18 to Thu 22/11/18]																											
48	Conduct survey of top of drainage layer to establish minimum thickness	0 days	Thu 22/11/18	Thu 22/11/18	[Gantt bar for Task 48: Thu 22/11/18 to Thu 22/11/18]																											
49	Cover stone drainage layer with Bidim A34 geotextile (securing at cell edges)	3 days	Thu 22/11/18	Mon 26/11/18	[Gantt bar for Task 49: Thu 22/11/18 to Mon 26/11/18]																											
50	Connect leachate collection pipes between Cell 3A and 3C	1 day	Wed 28/11/18	Thu 29/11/18	[Gantt bar for Task 50: Wed 28/11/18 to Thu 29/11/18]																											
51	Cover connected leachate collection pipes with stone drainage layer	2 days	Thu 29/11/18	Sat 1/12/18	[Gantt bar for Task 51: Thu 29/11/18 to Sat 1/12/18]																											
52	Cover stone drainage layer with Bidim A34 geotextile	2 days	Sat 1/12/18	Tue 4/12/18	[Gantt bar for Task 52: Sat 1/12/18 to Tue 4/12/18]																											



Project: Caroline Landfill Develo
Date: Thu 23/08/18

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress	
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline			
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress			



Schedule 17

Value Added Services

Provide details of any other benefits you can offer to improve the level of service or value of your Tender.

Given the simplicity of scope, there haven't generally been areas in which levels of service or value can be improved beyond the professional service provided by BMD as standard. With this in mind, we feel as though the establishment and management of a borrow pit within the Delta Sand & Stone Borrow Pit has allowed for a significant reduction in cartage rates (reflected within our submission), given the overall quantity of clay required.

Beyond the sourcing of clay, BMD have allowed for importation of drainage aggregate from GEM, consistent with the product used on previous cells. **However**, an alternative product has been identified that (pending further testing) should meet specified property requirements – if approved, the lead-time would push the program into the new year but BMD would be able to offer a cost reduction in the range of \$10-12k.



Schedule 18

Improvement and Innovation

Provide details of ideas and systems that are proposed for improved performance.

Given BMD's expertise in bulk earthworks and/or civil infrastructure projects in general, we feel as though our methodology has allowed for reductions in program based on plant/resource selection. A site-visit during the tender phase has confirmed that scrapers/land-planes will be suitable for removal of in-situ site-won material as part of BMD's scope, negating requirements for an excavator and trucks/Moxies – a similar technique shall be adopted within the Delta Sand & Stone borrow pit for removal of overburden to allow for commencement of clay extraction.

BMD have also incorporated the use of a Compactor for construction of intermediate clay layers which again, negates the requirement for graders and pad-foot rollers, ultimately improving safety and reducing program.

Beyond earthworks, BMD will explore the option of drainage aggregate placement prior to trenching and laying of HDPE leachate pipe, streamlining the operation – this has been adopted within similar projects but will depend on site-conditions and client preference.



Schedule 19

Pricing

Please provide fixed lump sum pricing.

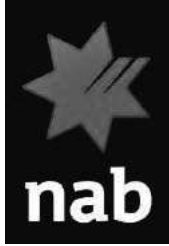
All prices must be listed exclusive of GST.

Cell 3C

1. Excavation of existing 300mm cover material and stockpiling onsite.	\$7,069.53
2. Cost to condition, test and replace top layer of existing clay as required.	\$29,336.34
3. Cost to supply, transport and install clay liner to Cell 3C.	\$282,843.51
4. Cost to supply, transport and install drainage layer (including aggregate, pipes and geotextile).	\$414,178.26
5. Miscellaneous costs to balance with lump sum price	\$58,341.75
6. Level 1 Supervision of Earthworks	Incl. within Items 1-5
TOTAL	\$791,769.39



Appendix A



National Australia Bank

Product & Markets
National Australia Bank Limited
ABN 12 004 044 937

255 George Street
Sydney New South Wales
2000 AUSTRALIA

29 May 2018

Mr. Craig Mortensen
Chief Financial Officer
BMD Holdings Pty Ltd
PO Box 197
WYNNUM OLD 4178

Dear Craig,

Re: BMD Syndicated Facility Agreement dated 27 June 2013, as amended on 28 November 2014, 24 February 2016 and 23 December 2016 (Facility Agreement).

As Facility Agent for the above mentioned facility for the BMD Group, I confirm the following details as at 24 May 2018 in relation to banking facilities provided under the Facility Agreement.

Customer: B.M.D. Constructions Pty Ltd

FACILITY	CBA COMMITMENT	CBA OUTSTANDINGS	NAB COMMITMENT	NAB OUTSTANDINGS
Market Rate Loan	\$ 19,500,000.00	Nil	Nil	Nil
Market Rate Loan	\$ 20,000,000.00	\$ 15,000,000.00	Nil	Nil
Overdraft	\$ 15,000,000.00	\$ 9,938,966.31	Nil	Nil
Asset Finance Facility	Nil	Nil	\$1,000,000.00	Nil
Purchasing Card Facility	Nil	Nil	\$1,000,000.00	\$138,352.79
Bank Guarantee Facility 1 (cancelled)	Nil	Nil	\$5,401,408.00	Cancelled
Bank Guarantee Facility 2	Nil	Nil	\$40,000,000.00	\$24,973,503.00

Bank Guarantee Facility 3	\$10,000,000	\$ 7,119,022.31	\$22,000,000.00	Cancelled
Bank Guarantee Facility 4	Nil	Nil	\$ 22,000,000.00	\$ 20,221,039.00
TOTAL	A\$64,500,000	A\$32,106,540.08	A\$64,000,000.00	A\$45,332,894.79

Please contact me on (02) 8908 6927 should you have any queries.

Kind regards,



Jason Lock
Associate Director, Agency & Trustee Services
National Australia Bank



Financial Report | Year Ended 30 June 2016

B.M.D. Constructions Pty. Limited



Director's Report

Year Ended 30 June 2016

Your directors present their report on the company for the financial year ended 30 June 2016.

The names of the directors in office at any time during, or since the end of the year are:

Michael Christopher POWER
Scott William POWER
Andrew MARCOS
David John YOUNG
Craig Allan MORTENSEN
Paul James FOGARTY

Directors have been in office since the start of the financial year to the date of this report unless otherwise stated.

The profit for the financial year after providing for income tax amounted to \$4,695,000.

A review of the operations of the company during the financial year and the results of those operations found that changes in market demand, market conditions and competition have seen an increase in revenue of 31% to \$580,986,000.

Other than that noted in the preceding paragraph, no significant changes in the state of affairs of the company occurred during the financial year.

The principal activities of the company during the financial year was the provision of comprehensive construction services of all forms of infrastructure development.

No significant change in the nature of these activities occurred during the year.

No matters or circumstances have arisen since the end of the financial year which significantly affected or may significantly affect the operations of the company, the results of those operations, or the state of affairs of the company in future financial years.

The company will continue to tender for large civil infrastructure projects around Australia, the timing of which are dependent on levels of government and industry expenditure.

The company's operations are subject to a range of environmental regulations under the laws of the Commonwealth and States. Operations are conducted in accordance with the BMD Environmental Management System, which is designed to ensure the company complies with these environmental regulations.

Dividends paid or declared since the start of the financial year are as follows:

- a) A fully franked dividend of \$NIL was paid during the year. (2015: \$10,000,000)

No options over issued shares or interests in the company were granted during or since the end of the financial year and there were no options outstanding at the date of this report.

During the year, the company paid a premium to insure officers of the company. The officers of the company covered by the insurance policy include all directors and officers.

Details of the amount of the premiums paid in respect of the insurance policies is commercially sensitive and is not disclosed as such disclosure could unfairly prejudice the company.

The company has not otherwise, during or since the end of the financial year, except to the extent permitted by law, indemnified or agreed to indemnify any current or former officer or auditors of the Company against a liability incurred as such by an officer or auditor.

Director's Report

Year Ended 30 June 2016

No person has applied for leave of Court to bring proceedings on behalf of the company or intervene in any proceedings to which the company is a party for the purpose of taking responsibility on behalf of the company for all or any part of those proceedings.

The company was not a party to any such proceedings during the year.

Auditor's Independence Declaration

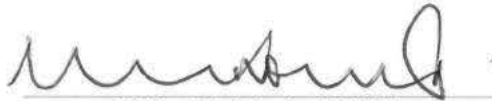
A copy of the auditor's independence declaration as required under section 307C of the Corporations Act 2001 is set out on page 3.

Rounding of Amounts

B.M.D. Constructions Pty Limited is a type of entity referred to in the Australian Securities and Investments Commission (ASIC) Corporations (Rounding in Financial/Directors' Reports) Instrument 2016/191 and therefore the amounts contained in this report and in the financial report have been rounded to the nearest \$1,000, or in certain cases, to the nearest dollar.

Signed in accordance with a resolution of the Board of Directors:

Director



Michael Christopher POWER

Dated this 28th day of October 2016

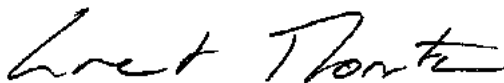
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Correspondence to:
GPO Box 1008
Brisbane QLD 4001

T + 61 7 3222 0200
F + 61 7 3222 0444
E info.qld@au.gt.com
W www.grantthornton.com.au

**Auditor's Independence Declaration
To the Directors of B.M.D Constructions Pty. Limited**

In accordance with the requirements of section 307C of the Corporations Act 2001, as lead auditor for the audit of B.M.D Constructions Pty. Limited for the year ended 30 June 2016, I declare that, to the best of my knowledge and belief, there have been:

- a no contraventions of the auditor independence requirements of the Corporations Act 2001 in relation to the audit; and
- b no contraventions of any applicable code of professional conduct in relation to the audit.



GRANT THORNTON AUDIT PTY LTD
Chartered Accountants



A F Newman
Partner - Audit & Assurance

Brisbane, 28 October 2016

Grant Thornton Audit Pty Ltd ACN 130 913 594
a subsidiary or related entity of Grant Thornton Australia Ltd ABN 41 127 556 389

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Liability limited by a scheme approved under Professional Standards Legislation. Liability is limited in those States where a current scheme applies.

Statement of Profit or Loss and Other Comprehensive Income

Year Ended 30 June 2016

	Note	2016 \$ 000's	2015 \$ 000's
Revenue			
Revenue from construction services		580,986	444,606
Total Sales Revenue	2	580,986	444,606
Cost of Sales			
Construction expenses		(540,033)	(406,829)
Total Cost of Sales		(540,033)	(406,829)
Gross Profit		40,953	37,777
Other revenue and other income	2	11,420	9,418
Administration expenses		(37,906)	(25,872)
Occupancy expenses		(3,050)	(3,169)
Finance costs		(88)	(246)
Other expenses		(4,495)	(4,347)
Total Expenses		(34,119)	(24,216)
Profit / (Loss) before income tax expense		6,834	13,561
Income tax benefit / (expense)	4	(2,139)	(4,370)
Profit for the year		4,695	9,191
Other comprehensive income net of tax		-	-
Total comprehensive income attributable to members of the parent entity		4,695	9,191

Statement of Financial Position

As at 30 June 2016

	Note	2016 \$ 000's	2015 \$ 000's
Current assets			
Cash and cash equivalents	7	62,996	51,847
Trade and other receivables	8	161,917	149,428
Inventories	9	228	-
Other assets	10	3,324	4,264
Total current assets		228,465	205,539
Non-current assets			
Trade and other receivables	8	2,279	2,279
Other financial assets	11	6,044	6,044
Property, plant and equipment	12	5,041	4,624
Deferred tax assets	15	6,848	6,608
Intangible assets	13	2,995	4,609
Total non-current assets		23,207	24,164
Total assets		251,672	229,703
Current liabilities			
Trade and other payables	14	150,238	138,882
Provisions	16	15,706	14,169
Total current liabilities		165,944	153,051
Non-current liabilities			
Deferred tax liabilities	15	6,710	3,047
Provisions	16	3,037	2,319
Total non-current liabilities		9,747	5,366
Total liabilities		175,691	158,417
Net assets		75,981	71,286
Equity			
Issued capital	17	100	100
Retained earnings		75,881	71,186
Total equity		75,981	71,286

Statement of Changes in Equity

Year Ended 30 June 2016

	Note	Share Capital \$ 000's	Retained Earnings \$ 000's	Total Equity \$ 000's
Balance as at 1 July 2014		100	71,995	72,095
Total comprehensive income attributable to members of parent entity		-	9,191	9,191
Subtotal		100	81,186	81,286
Dividends paid or provided for	6	-	(10,000)	(10,000)
Balance as at 30 June 2015		100	71,186	71,286
Total comprehensive income attributable to members of parent entity		-	4,695	4,695
Subtotal		100	75,881	75,981
Dividends paid or provided for	6	-	-	-
Balance as at 30 June 2016		100	75,881	75,981

Statement of Cash Flows

Year Ended 30 June 2016

	2016	2015
Note	\$ 000's	\$ 000's
Cash flows from operating activities		
Receipts from customers	656,859	537,782
Payments to suppliers and employees	(658,206)	(500,624)
Interest received	392	434
Finance costs paid	(88)	(246)
Income tax paid	-	-
Net cash provided / (used in) operating activities	20 (1,043)	37,346
Cash flows from investing activities		
Proceeds on sale of non-current assets	1,541	4,864
Purchase of property, plant and equipment	(2,796)	(3,654)
Net advances received from / (paid to) other related entities	21,992	(6,033)
Loans to related parties:		
- payments made	(8,545)	(10,650)
- proceeds from repayments	-	754
Net cash provided / (used in) investing activities	12,192	(14,719)
Cash flows from financing activities		
Repayment of borrowings - leases	-	(710)
Net cash provided / (used in) financing activities	-	(710)
Net increase/(decrease) in cash held	11,149	21,917
Cash at the beginning of the financial year	51,847	29,930
Cash at the end of the financial year	7 62,996	51,847

Notes to the Financial Statements

Year Ended 30 June 2016

This financial report is for B.M.D. Constructions Pty. Limited as a standalone entity. B.M.D. Constructions Pty. Limited is a company limited by shares, incorporated and domiciled in Australia. B.M.D. Constructions Pty. Limited is a for-profit entity for the purposes of preparing these financial statements.

1. Statement of significant accounting policies

Basis of Preparation

The financial report is a special purpose financial report which has been prepared in order to satisfy the financial report preparation requirements of the board and financiers. The directors have determined that the company is not a reporting entity.

These financial statements have been prepared in accordance with the recognition and measurement requirements specified by the Australian Accounting Standards and Interpretations, with the exception of *AASB 119 Employee Benefits*, *AASB 128 Investment in Associates* and *AASB 11 Investment in Joint Ventures*. The accounts comply with disclosure requirements of *AASB 101 Presentation of Financial Statements*, *AASB 107 Statement of Cash Flows*, *AASB 108 Accounting Policies, Changes in Accounting Estimates and Errors* and *AASB 1054 Australian Additional Disclosures*.

The following is a summary of the material accounting policies adopted by the company in the preparation of the financial report. The accounting policies have been consistently applied, unless otherwise stated.

The financial report has been prepared on an accruals basis and is based on historical costs modified by the revaluation of selected non-current assets, financial assets and financial liabilities for which the fair value basis of accounting has been applied. The financial report is presented in Australian dollars.

Accounting Policies

(a) Business Combinations

Business combinations occur where control over another business is obtained and results in the consolidation of its assets and liabilities. All business combinations are accounted for by applying the acquisition method. The acquisition method requires an acquirer of the business to be identified and for the cost of the acquisition and fair values of identifiable assets, liabilities and contingent liabilities to be determined as at acquisition date, being the date that control is obtained. Cost is determined as the aggregate of fair values of assets given, equity issued and liabilities assumed in exchange for control. Any deferred consideration payable is discounted to present value using the entity's incremental borrowing rate.

Goodwill is recognised initially as the excess of cost over the acquirer's interest in the net fair value of the identifiable assets, liabilities and contingent liabilities recognised. If the fair value of the acquirer's interest is greater than cost, the surplus is immediately recognised as profit or loss.

All transaction costs incurred in relation to the business combination are expensed to the statement of profit or loss and other comprehensive income.

(b) Income Tax

The income tax (expense)/revenue for the year comprises current income tax (expense)/ income and deferred tax (expense)/income.

The charge for current income tax expenses is based on the profit for the year adjusted for any non-assessable or disallowed items. It is calculated using tax rates that have been enacted or are substantively enacted by the balance sheet date.

Deferred income tax expense reflects movements in deferred tax asset and deferred tax liability balances during the year as well as unused tax losses.

Current and deferred income tax expense (income) is charged or credited directly to other comprehensive income instead of the profit or loss when the tax relates to items that are credited or charged directly to other comprehensive income.

Notes to the Financial Statements

Year Ended 30 June 2016

(b) Income Tax (con't)

Deferred tax assets and liabilities are ascertained based on temporary differences arising between the tax bases of assets and liabilities and their carrying amounts in the financial statements. Deferred tax assets also result where amounts have been fully expensed but future tax deductions are available. No deferred income tax will be recognised from the initial recognition of an asset or liability, excluding a business combination, where there is no effect on accounting or taxable profit or loss.

Deferred tax is calculated at the tax rates that are expected to apply to the period when the asset is realised or liability is settled. Deferred income tax assets are recognised to the extent that it is probable that future tax profits will be available against which deductible temporary differences can be utilised.

The amount of benefits brought to account or which may be realised in the future is based on the assumption that no adverse change will occur in income taxation legislation and the anticipation that the company will derive sufficient future assessable income to enable the benefit to be realised and comply with the conditions of deductibility imposed by the law.

B.M.D. Holdings Pty. Limited and its wholly-owned Australian subsidiaries have formed an income tax consolidated group under the Tax Consolidation Regime. Each entity in the consolidated group recognises its own deferred tax assets and liabilities, except for any deferred tax assets resulting from unused tax losses and tax credits, which are immediately assumed by the parent entity. The current tax liability of each group entity is then subsequently assumed by the parent entity. The group notified the ATO that it had formed an income tax consolidated group to apply from 1 July 2003. The tax consolidated group has entered a tax funding agreement whereby each company in the group contributes to the income tax payable in proportion to their contribution to profit before tax of the tax consolidated group.

(c) Construction Contracts and Work in Progress

Construction work in progress is valued at cost, plus profit recognised to date less any provision for anticipated future losses. Costs include both variable and fixed costs relating to specific contracts, and those costs that are attributable to the contract activity in general and that can be allocated on a reasonable basis.

Construction profits are recognised on the stage of completion basis and measured using the proportion of costs incurred to date as compared to expected actual costs. Where losses are anticipated they are provided for in full. Construction revenue is recognised on work completed and claimed adjusted for any variations.

(d) Plant and Equipment

Each class of plant and equipment is carried at cost less, where applicable, any accumulated depreciation and impairment losses.

Plant and equipment

Plant and equipment are measured on the cost basis less depreciation and impairment losses.

The carrying amount of plant and equipment is reviewed annually by directors to ensure it is not in excess of the recoverable amount from these assets. The recoverable amount is assessed on the basis of the expected net cash flows that will be received from the assets employment and subsequent disposal. The expected net cash flows have not been discounted to their present values in determining recoverable amounts.

Depreciation

The depreciable amount of all fixed assets including building and capitalised lease assets, but excluding freehold land & computer software, is depreciated on a diminishing value basis over their useful lives to the company commencing from the time the asset is held ready for use. Leased assets are depreciated over the shorter of either the unexpired period of the lease or the estimated useful lives of the improvements. Properties held for investment purposes are not subject to a depreciation charge.

The estimated useful life for each class of depreciable assets are:

Class of Fixed Asset	Useful Life
Plant and equipment	3 to 80 years
Leased plant and equipment	3 to 5 years

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at each balance sheet date.

Notes to the Financial Statements

Year Ended 30 June 2016

(d) Plant and Equipment (con't)

An asset's carrying amount is written down immediately to its recoverable amount if the asset's carrying amount is greater than its estimated recoverable amount.

Gains and losses on disposals are determined by comparing proceeds with the carrying amount. These gains or losses are included in the statement of profit or loss and other comprehensive income. When revalued assets are sold, amounts included in the revaluation reserve relating to that asset are transferred to retained earnings.

(e) Leases

Leases of fixed assets where substantially all the risks and benefits incidental to the ownership of the asset, but not the legal ownership, is transferred to the company, are classified as finance leases.

Finance leases are capitalised by recording an asset and a liability at the lower of the amounts equal to the present value of the minimum lease payments, including any guaranteed residual values. Lease payments are allocated between the reduction of the lease liability and the lease interest expense for the period.

Leased assets are depreciated on a straight-line basis over the shorter of their estimated useful lives or the lease term.

Lease payments for operating leases, where substantially all the risks and benefits remain with the lessor, are charged as expenses in the periods in which they are incurred.

Lease incentives under operating leases are recognised as a liability and amortised on a straight-line basis over the life of the lease term.

(f) Impairment of Assets

At each reporting date, the company reviews the carrying values of its tangible and intangible assets to determine whether there is any indication that those assets have been impaired. If such an indication exists, the recoverable amount of the asset, being the higher of the asset's fair value less costs to sell and value in use, is compared to the asset's carrying value. Any excess of the asset's carrying value over its recoverable amount is expensed to the statement of profit or loss and other comprehensive income.

Impairment testing is performed annually for goodwill and intangible assets with indefinite lives. Where it is not possible to estimate the recoverable amount of an individual asset, the company estimates the recoverable amount of the cash-generating unit to which the asset belongs.

(g) Intangibles

Goodwill

Goodwill is initially recorded at the amount by which the purchase price for a business or for an ownership interest in a controlled entity exceeds the fair value attributed to its net assets at date of acquisition. Goodwill is tested annually for impairment and carried at cost less accumulated impairment losses. Gains and losses on the disposal of an entity include the carrying amount of goodwill relating to the entity sold.

Software

Significant costs associated with software are deferred and amortised on a straight-line basis over the period of their expected benefit being their finite life of eight years.

(h) Employee Benefits

Provision is made for the company's liability for employee benefits arising from services rendered by employees to balance date. Employee benefits that are expected to be settled within one year together with benefits arising from wages and salaries and annual leave which will be settled after one year have been measured at nominal value. Other employee benefits payable later than one year have been measured at nominal value. The company accrues long service leave for all employees with service exceeding five years. Long Service Leave provisions for employees with 5 -9 years of service are classified as a non-current provision. Long Service Leave provision where 10 years or more has been served is classified as a current provision.

The company provides post-employment benefits through defined contributions plans. Defined contribution plans require the company to pay fixed contribution into independent entities in relation to several state plans and insurance for individual employees. The company has no legal or constructive obligations to pay contributions in addition to its fixed contributions, which are recognised as an expense in the period that relevant employee services are received.

Notes to the Financial Statements

Year Ended 30 June 2016

(i) Provisions

Provisions are recognised when the company has a legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured.

(j) Cash and Cash Equivalents

Cash and cash equivalents include cash on hand, deposits held at call with banks, other short-term highly liquid investments with original maturities of three months or less, and bank overdrafts. Bank overdrafts are shown within short-term borrowings in current liabilities on the statement of financial position.

(k) Financial Instruments

Initial recognition and measurement

Financial instruments, incorporating financial assets and financial liabilities, are recognised when the entity becomes a party to the contractual provisions of the instrument.

Financial instruments are initially measured at fair value plus transactions costs. Financial instruments are classified and measured as set out below.

Effective interest rate method

The effective interest method is a method of calculating the amortised cost of a financial asset and of allocating interest income over the relevant period. The effective interest rate is the rate that exactly discounts estimated future cash receipts through the expected life of the financial assets, or, where appropriate, a shorter period.

Income is recognised on an effective interest rate basis for debt instruments other than those financial assets 'at fair value through profit or loss'.

Classification and subsequent measurement

Loans and receivables

Loans and receivables are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market and are stated at amortised cost using the effective interest rate method.

Financial liabilities

Non-derivative financial liabilities (excluding financial guarantees) are subsequently measured at amortised cost using the effective interest rate method.

Impairment of financial assets

At each reporting date, the Company assesses whether there is objective evidence that a financial instrument has been impaired. Impairment losses are recognised in the statement of profit or loss and other comprehensive income.

The carrying amount of financial assets including uncollectible trade receivables is reduced by the impairment loss through the use of an allowance account. Subsequent recoveries of amounts previously written off are credited against the allowance account. Changes in the carrying amount of the allowance account are recognised in profit or loss.

If, in a subsequent period, the amount of the impairment loss decreases and the decrease can be related objectively to an event occurring after the impairment was recognised, the previously recognised impairment loss is reversed through profit or loss to the extent the carrying amount of the investment at the date the impairment is reversed does not exceed what the amortised cost would have been had the impairment not been recognised.

Derivative financial instruments

Derivatives are initially recognised at fair value on the date a derivative contract is entered into and are subsequently remeasured to their fair value at each reporting date. The accounting for subsequent changes in fair value depends on whether the derivative is designated as a hedging instrument, and if so, the nature of the item being hedged.

Derivatives are classified as current or non-current depending on the expected period of realisation.

Notes to the Financial Statements

Year Ended 30 June 2016

(k) Financial Instruments (con't)

Derecognition

Financial assets are derecognised where the contractual rights to receipt of cash flows expires or the asset is transferred to another party whereby the entity no longer has any significant continuing involvement in the risks and benefits associated with the asset. Financial liabilities are derecognised where the related obligations are either discharged, cancelled or expire. The difference between the carrying value of the financial liability extinguished or transferred to another party and the fair value of consideration paid, including the transfer of non-cash assets or liabilities assumed is recognised in profit or loss.

(l) Revenue

Revenue is recognised and measured at fair value of the consideration received or receivable net of the amount of goods and services tax (GST) payable to the taxation authority, trade discounts and volume rebates allowed.

Interest Income

Interest revenue is recognised as it accrues taking into account the interest rates applicable to the financial assets.

Dividend and Commission Revenue

Dividend and commission revenue is recognised when the right to receive a dividend or commission has been established.

Sales Revenue

Sales revenue in respect of construction services is recognised based on work completed and claimed adjusted for any variations. Where losses are anticipated they are provided for in full. Revenue from sales of property developments is recognised on settlement of the contract of sale. Revenue from consulting services is recognised as it is completed.

All revenue is stated net of the amount of goods and services tax (GST).

(m) Trade and Other Payables

Trade and other payables represent the liability outstanding at the end of the reporting period for goods and services received by the company during the reporting period, which remain unpaid. The balance is recognised as a current liability. These amounts are normally paid within agreed commercial terms.

(n) Borrowing Costs

Borrowing costs directly attributable to the acquisition, construction or production of assets that necessarily take a substantial period of time to prepare for their intended use or sale, are capitalised as part of the cost of that asset, until such time as the assets are substantially ready for their intended use or sale.

Interest costs are recognised in the statement of profit or loss and other comprehensive income in the period in which they are incurred. Borrowing costs associated with new borrowings are netted off against proceeds and amortised over the life of the borrowing.

(o) Goods and Services Tax (GST)

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office. In these circumstances, the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense. Receivables and payables in the statement of financial position are shown inclusive of GST.

Cash flows are presented in the cash flow statement on a gross basis, except for the GST component of investing and financing activities, which are disclosed as operating cash flows.

(p) Rounding of Amounts

The parent entity has applied the relief available to it under ASIC Corporations (Rounding in Financial / Directors' reports) Instrument 2016/191 and accordingly, amounts in the financial report have been rounded off to the nearest thousand dollars unless otherwise stated.

Notes to the Financial Statements

Year Ended 30 June 2016

(q) Comparative Figures

When required by Accounting Standards, comparative figures have been adjusted to conform to changes in presentation for the current financial year.

(r) Significant Management Judgement in Applying Accounting Policies

The directors evaluate estimates and judgments incorporated into the financial report based on historical knowledge and best available current information. Estimates assume a reasonable expectation of future events and are based on current trends and economic data, obtained both externally and within the company.

Construction Contract Revenue

Recognised amount of construction contract revenues and related receivables reflect management's best estimate of each contract's outcome and stage of completion. This includes the assessment of the profitability of on-going construction contracts. For more complex contracts, costs to complete and profitability are subject to significant estimation uncertainty.

Deferred tax assets

The assessment of the probability of future taxable income in which deferred tax assets can be utilised is based on the Company's latest approved budget forecast, which is adjusted for significant non-taxable income and expenses and specific limits to the use of any unused tax loss or credit. The tax rules in the numerous jurisdictions in which the Company operates are also carefully taken into consideration. If a positive forecast of taxable income indicates the probable use of a deferred tax asset, especially when it can be utilised without a time limit that deferred tax asset is usually recognised in full. The recognition of deferred tax assets that are subject to certain legal or economic limits or uncertainties is assessed individually by management based on the specific facts and circumstances.

Estimation Uncertainty

When preparing the financial statements management undertakes a number of judgements, estimates and assumptions about recognition and measurements of assets, liabilities, income and expenses.

The actual results may differ from judgements, estimates and assumptions made by management, and will seldom equal the estimated results.

Information about significant judgements, estimates and assumptions that have the most significant effect on recognition and measurement of assets, liabilities, income and expenses is provided below.

Impairment

The company assesses impairment at each reporting date by evaluating conditions specific to the company that may lead to impairment of assets. Where an impairment indicator exists, the recoverable amount of the asset is determined. Discounted cash flow calculations performed in assessing recoverable amounts incorporate a number of key estimates based on detailed financial modelling using current estimates derived from market research and trends.

Useful lives of depreciable assets

Management reviews the useful lives of depreciable assets at each reporting date, based on the expected utility of the assets to the Company. Actual results, however, may vary due to technical obsolescence, particularly in relation to software and IT equipment.

(s) Adoption of New and Revised Accounting Standards

During the current year, the company has adopted all amendments to the Australian Accounting Standards issued by the Australian Accounting Standards Board, which are relevant to and effective for the company's financial statements for the annual period beginning 1 July 2015, with exception of Australian Accounting Standards not applied in accordance with the Basis of Preparation in Note 1.

None of the amendments have had a significant impact on the company.

Notes to the Financial Statements

Year Ended 30 June 2016

(t) New Accounting Standards for Application in Future Periods

The AASB has issued new, revised and amended Standards and Interpretations that have mandatory application dates for future reporting periods and which the company has decided not to early adopt. A discussion of those future requirements and their impact on the company is as follows:

AASB 9: Financial Instruments

AASB 9 introduces new requirements for the classification and measurement of financial assets and liabilities. These requirements improve and simplify the approach for classification and measurement of financial assets and liabilities.

This standard is applicable retrospectively to annual periods beginning on or after 1 January 2018 and would apply to the company for the financial year ending 30 June 2019. Once applied it is currently anticipated that there will be little impact on the financial statements.

AASB 1057: Application of Australian Accounting Standards

In May 2015, the AASB decided to revise Australian Accounting Standards that incorporate IFRSs to minimise Australian-specific wording even further. The AASB noted that IFRSs do not contain application paragraphs that identify the entities and financial reports to which the Standards (and Interpretations) apply. As a result, the AASB decided to move the application paragraphs previously contained in each Australian Accounting Standard (or Interpretation), unchanged, into a new Standard AASB 1057 Application of Australian Accounting Standards.

When this Standard is first adopted for the year ending 30 June 2017, there will be no impact on the financial statements.

AASB 14: Regulatory Deferral Accounts

This standard permits first-time adopters of Australian Accounting Standards who conduct rate-regulated activities to continue to account for amounts related to rate regulation in accordance with their previous GAAP.

This standard applies to annual reporting periods beginning on or after 1 July 2016 and will become effective for the economic entity for the financial year ending 30 June 2017. This standard will have no impact on the economic entity.

AASB 15: Revenue from Contracts with Customers

AASB 15 replaces AASB 118 *Revenue*, AASB 111 *Construction Contracts* and some revenue related interpretations. This standard establishes a new revenue recognition model, changes the basis for deciding whether revenue is to be recognised over time or at a point in time and provides new and more detailed guidance on specific topics (e.g. multiple element arrangement, variable pricing, rights of return, warranties and licensing).

When this standard is first adopted for the year ending 30 June 2019, there will be no material impact on the transactions and balances recognised in the financial statements. It is anticipated that the method of revenue recognition over time will not be significantly different to the current standard.

AASB 16: Leases

AASB 16 releases AASB 117 Leases and some lease-related Interpretations. This new standard requires all leases to be accounted for 'on-balance sheet' by lessees, other than short-term and low value asset leases. The standard provides new guidance on the application of the definition of lease and on sale and lease back accounting. There are new and different disclosures required under this standard.

The entity is yet to undertake a detailed assessment of the impact of AASB 16. However based on the entity's preliminary assessment, the likely impact on the first time adoption of the Standard for the year ending 30 June 2020 includes an increases in lease assets and financial liabilities recognised on the balance sheet; the reported equity will reduce as the carrying amount off lease assets will reduce more quickly than the carrying amount of lease liabilities; EBIT in the statement of profit or loss and other comprehensive income will be higher as the implicit interest in lease payments for former off balance sheet leases will be presented as part of finance costs rather than being included in operating expense; operating cash outflows will be lower and financing cash flows will be higher in the statement of cash flows as principal repayments on all lease liabilities will now be included in financing activities rather than operating activities. Interest can also be included with financing activities.

Notes to the Financial Statements

Year Ended 30 June 2016

AASB 2014-1: Amendments to Australian Standards (Part D: Consequential Amendments arising from AASB 14)

This standard makes consequential amendments arising from the issuance of AASB 14.

When these amendments become effective for the first time for the year ending 30 June 2017, they will not have any impact on the economic entity.

AASB 2014-3: Amendments to Australian Accounting Standards – Accounting for Interests in Joint Operators

The amendments to AASB 11 state that an acquirer of an interest in a joint operation in which the activity of the joint operation constitutes a 'business' as defined in AASB 3 *Business Combinations* should apply all of the principles on business combinations accounting in AASB 3 and other Australian Accounting Standards except principles that conflict with the guidance of AASB 11. This requirement also applies to the acquisition of additional interests in an existing joint operation that results in the acquirer retaining joint control of the joint operation and to the formation of a joint operation when an existing business is contributed to the joint operation by one of the parties that participate in the joint operation. The standard also provide disclosure for business combinations as required by AASB 3 and other Australian Accounting Standards.

This standard will become effective for the economic entity for the financial year ending 30 June 2017. The company has not yet determined any potential impact on the financial statements.

AASB 2014-4: Amendments to Australian Accounting Standards – Clarification of Acceptable Methods of Depreciation and Amortisation

The Amendments to AASB 116 prohibit the use of a revenue based depreciation method for property, plant and equipment. Additionally, the amendments provide guidance in the application of the diminishing balance method for property, plant and equipment. The amendments to AASB 138 present a rebuttable presumption that a revenue-based amortisation method for intangible assets is inappropriate. This rebuttable presumption can be overcome in two limited circumstances.

When these amendments are first adopted for the year ending 30 June 2017, there will be no material impact on the transactions and balances recognised in the financial statements.

AASB 2014-5: Amendments to Australian Accounting Standards arising from AASB 15

AASB 2014-5 incorporates the consequential amendments arising from the issuance of AASB 15.

When this standard is first adopted for the year ending 30 June 2018, there will be no material impact on the transactions and balances recognised in the financial statements.

AASB 2014-7: Amendments to Australian Accounting Standards arising from AASB 9 (December 2014)

AASB 2014-7 incorporates the consequential amendments arising from the issuance of AASB 9.

This standard is applicable retrospectively to annual periods beginning on or after 1 January 2018 and would apply to the company for the financial year ending 30 June 2019. Once applied there will be little impact on the financial statements.

AASB 2014-9: Amendments to Australian Accounting Standards – Equity Method in Separate Financial Statements

The amendments introduce the equity method of accounting as one of the options to account for an entity's investments in subsidiaries, joint ventures and associates in the entity's separate financial statements.

This standard will become effective for the economic entity for the financial year ending 30 June 2017. The company has not yet determined any potential impact on the financial statements.

Notes to the Financial Statements

Year Ended 30 June 2016

AASB 2014-10: Amendments to Australian Accounting Standards – Sale or Contribution of Assets between an Investor and its Associate or Joint Venture

The amendments address a current inconsistency between AASB 10 *Consolidated Financial Statements* and AASB 128 *Investments in Associates and Joint Ventures (2011)*. The amendments clarify that, on a sale or contribution of assets to a joint venture or associate or on a loss of control when a joint control or significant influence is retained in a transaction involving an associate or a joint venture, any gain or loss recognised will depend on whether the assets or subsidiary constitute a business as defined in AASB 3 *Business Combinations*. Full gain or loss is recognised when the assets or subsidiary constitute a business, whereas gain or loss attributable to other investors' interests is recognised when the assets or subsidiary do not constitute a business. This amendment effectively introduces an exception to the general requirement in AASB 10 to recognise full gain or loss on the loss of control over a subsidiary. The exception only applies to the loss of control over a subsidiary that does not contain a business, if the loss of control is the result of a transaction involving an associate or a joint venture that is accounted for using the equity method. Corresponding amendments have also been made to AASB 128 (2011).

This standard will become effective for the economic entity for the financial year ending 30 June 2017. The company has not yet determined any potential impact on the financial statements.

AASB 2015-1: Amendments to Australian Accounting Standards – Annual Improvements to Australian Accounting Standards 2012-2014 cycle

These amendments arising from the issuance of Annual Improvements to IFRSs 2012-2014 Cycle in September 2014 by the IASB. Among other improvements, the amendments clarify that when an entity reclassifies an asset (or disposal group) directly from being held for sale to being held for distribution (or vice-versa), the accounting guidance in paragraphs 27-29 of AASB 5 *Non-current Assets Held for Sale and Discontinue Operations* does not apply. The amendments also state that when an entity determines that the asset (or disposal group) is no longer available for immediate distribution or that the distribution is no longer highly probable, it should cease held-for-distribution accounting and apply the guidance in paragraphs 27-29 of AASB 5.

When these amendments are first adopted for the year ending 30 June 2017, there will be no material impact on the financial statements.

AASB 2015-2: Amendments to Australian Accounting Standards – Disclosure Initiative Amendments to AASB 101

The amendments clarify the materiality requirements in AASB 101, including an emphasis on the potentially detrimental effect of obscuring useful information with immaterial information; clarify that AASB 101's specified line items in the statement(s) of profit or loss and other comprehensive income and the statement of financial position can be disaggregated; add requirements for how an entity should present subtotals in the statement(s) of profit or loss and other comprehensive income and the statement of financial position; clarify that entities have flexibility as to the order in which they present the notes, but also emphasise that understandability and comparability should be considered by an entity when deciding that order; remove potentially unhelpful guidance in IAS 1 for identifying a significant accounting policy.

When these amendments are first adopted for the year ending 30 June 2017, there will be no material impact on the financial statements.

AASB 2015-5: Amendments to Australian Accounting Standards – Investment Entities: Applying the Consolidation Exception

The narrow-scope amendments to AASB 10 *Consolidate Financial Statements*, AASB 12 *Disclosure of Interests in Other Entities* and AASB 128 *Investment in Associates and Joint Ventures* introduce clarifications to the requirements when accounting for investment entities. The amendments also provide relief in particular circumstances, which will reduce the costs of applying the Standards.

When these amendments are first adopted for the year ending 30 June 2017, there will be no material impact on the financial statements.

AASB 2015-6: Amendments to Australian Accounting Standards – Extending Related Party Disclosures to Not-for-Profit Public Sector Entities

The amendments extend the scope of AASB 124 *Related Party Disclosures* to include not-for-profit public sector entities. The key impact of the amendments is to specify consistent related party disclosure requirements for the Australian Government, State Governments, local councils and other not-for-profit public sector entities.

When these amendments are first adopted for the year ending 30 June 2017, there will be no impact on the financial statements of the economic entity.

Notes to the Financial Statements

Year Ended 30 June 2016

AASB 2015-8: Amendments to Australian Accounting Standards – Effective date of AASB 15

AASB 2015-8 amends the mandatory application date of AASB 15 Revenue from Contracts with Customers so that AASB 15 is required to be applied for annual reporting periods beginning on or after 1 January 2018 instead of 1 January 2017. It also defers the consequential amendments that were originally set out in AASB 2014-5 Amendments to Australian Accounting standards arising from AASB 15.

When this standard is first adopted for the year ending 30 June 2019, there will be no material impact on the transactions and balances recognised in the financial statements. It is anticipated that the method of revenue recognition over time will not be significantly different to the current standard.

AASB 2015-9: Amendments to Australian Accounting Standards – Scope and Application Paragraphs

AASB 2015-9 inserts scope paragraphs into AASB 8 Operating Segments and AASB 133 Earnings per Share in place of application paragraph text in AASB 1057.

When this standards is first adopted for the year ending 30 June 2017, there will be no impact on the financial statements.

AASB 2015-10: Amendments to Australian Accounting Standards – Effective date of Amendments to AASB 10 and AASB 128

This Standard defers the mandatory application date of amendments to AASB 10 *Consolidated Financial Statements* and AASB 128 *Investments in Associates and Joint Ventures* that were originally made in AASB 2014-10 *Amendments to Australian Accounting Standards – Sale or Contribution of Assets between and Investor and its Associate or Joint Venture*, so that the amendments are required to be applied for annual reporting periods beginning on or after 1 January 2018 instead of 1 January 2016.

This standard will become effective for the economic entity for the financial year ending 30 June 2017. The company has not yet determined any potential impact on the financial statements.

AASB 2016-1: Amendments to Australian Accounting Standards – Recognition of Deferred Tax Assets for Unrealised Losses

AASB 2016-1 amends AASB 112 *Income Taxes* to clarify how to account for deferred tax assets related to debt instruments measured at fair value, particularly where changes in the market interest rate decrease the fair value of a debt instrument below cost

When these amendments are first adopted for the year ending 30 June 2018, there will be no material impact on the financial statements.

Notes to the Financial Statements

Year Ended 30 June 2016

2. Revenue	Note	2016 \$ 000's	2015 \$ 000's
Sales Revenue			
Revenue from constructions services		580,986	444,606
		580,986	444,606
Other Revenue and Other Income			
Interest received	2a	392	434
Profit on disposal of property, plant & equipment		655	1,908
Sundry revenues		10,373	7,076
Total Other Revenue and other incomes		11,420	9,418
Total Revenue		592,406	454,024
(a) Interest Received			
External interest received		392	434
		392	434
3. Profit before Income Tax			
(a) Expenses			
Depreciation of:			
- plant and equipment	12a	1,449	1,496
- software development pool	13a	1,614	1,614
Amortisation of:			
- leased plant and equipment	12a	-	82
Total depreciation and amortisation		3,063	3,192
Bad and doubtful debts			
- trade receivables		451	10
Rental expense on operating leases		8,635	8,720

Notes to the Financial Statements

Year Ended 30 June 2016

4. Income Tax Expense	Note	2016 \$ 000's	2015 \$ 000's
(a) The components of tax expense comprise:			
Current tax		3,009	3,759
Deferred tax	15c	(870)	529
Under/(over) provision of deferred tax in respect of prior years	15c	4,293	1,217
Under/(over) provision of income tax in respect of prior years		(4,293)	(1,135)
		<u>2,139</u>	<u>4,370</u>
(b) The prima facie tax payable on profit before income tax is reconciled to the income tax expense as follows:			
Prima facie tax payable on profit before income tax at 30% (2015: 30%)		2,050	4,068
Add:			
Tax effect of:			
- under provision of income tax in prior years		-	82
- other non-allowable items		375	220
		<u>375</u>	<u>302</u>
Less:			
Tax effect of:			
- rebateable fully franked dividends		(286)	-
		<u>(286)</u>	<u>-</u>
Income tax attributable to economic entity		<u>2,139</u>	<u>4,370</u>
The applicable weighted average effective tax rates are as follows		31%	32%
5. Auditors' Remuneration			
	Note	2016 \$	2015 \$
The auditors' remuneration for audit work was paid by B.M.D. Constructions Pty Limited being the lump sum payable for audit services of all subsidiaries of B.M.D. Holdings Pty Limited.			
Remuneration for other services to the auditor paid by B.M.D. Constructions Pty. Limited:			
- auditing or reviewing the groups financial reports		226,000	209,000
- tax compliance		70,000	81,000
- other services		27,000	24,000
		<u>2016</u>	<u>2015</u>
6. Dividends			
	Note	\$ 000's	\$ 000's
Declared fully franked ordinary dividend of \$NIL (2015: \$10,000) per share franked at the tax rate of 30% (2015: 30%)			
		-	10,000
		<u>-</u>	<u>10,000</u>
Franking credits are accumulated by B.M.D. Holdings Pty. Limited being the ultimate parent company of B.M.D. Constructions Pty. Limited by virtue of the tax consolidation regime applied to all subsidiaries.			

Notes to the Financial Statements

Year Ended 30 June 2016

	Note	2016 \$ 000's	2015 \$ 000's
7. Cash and Cash Equivalents			
Cash on hand		9	15
Cash at bank		62,987	51,832
		<u>62,996</u>	<u>51,847</u>
The effective interest rate on short-term deposits was 1.75% (2015: 1.55%); These deposits are at call.			
Reconciliation of cash			
Cash at the end of the financial year as shown in the statement of cash flows is reconciled to items in the balance sheet as follows:			
- Cash and cash equivalents		62,996	51,847
		<u>62,996</u>	<u>51,847</u>
8. Trade and Other Receivables			
Current			
Trade receivables		24,053	16,171
Less: Allowance for impairment of trade debtors		(166)	(166)
		<u>23,887</u>	<u>16,005</u>
Amount due from customers from construction contracts	8a	98,714	79,224
Other receivables		2,558	5,876
Loans to related entities	8b	36,758	48,323
		<u>161,917</u>	<u>149,428</u>
Non current			
Amount due from customers from construction contracts		2,279	2,279
		<u>2,279</u>	<u>2,279</u>
(a) Construction Contracts			
Current			
Contract costs incurred		2,790,998	2,501,033
Recognised profits		250,298	272,031
Known loss take-up		(898)	(415)
Progress billings		(2,981,791)	(2,709,981)
Net amount due from customers for contract work		<u>58,607</u>	<u>62,668</u>
Amounts due from customers for contract work		98,714	79,224
Amounts from customers as income in advance	14	(40,107)	(16,556)
		<u>58,607</u>	<u>62,668</u>
Retentions on constructions contracts in progress		152	264
(b) Other related parties			
Current			
Subsidiaries of ultimate holding company		17,563	37,673
Other entities		19,195	10,650
		<u>36,758</u>	<u>48,323</u>

Notes to the Financial Statements

Year Ended 30 June 2016

	2016	2015
Note	\$ 000's	\$ 000's
9. Inventories		
Current		
Stock on hand	228	-
	<u>228</u>	<u>-</u>
10. Other Assets		
Current		
Prepayments	1,548	1,767
Accrued income	1,776	2,497
	<u>3,324</u>	<u>4,264</u>
11. Other Financial Assets		
Investment in other corporations - at cost	6,044	6,044
	<u>6,044</u>	<u>6,044</u>
Shares in controlled entities - at cost	1,011	1,011
Investment in unconsolidated entities	5,033	5,033
	<u>6,044</u>	<u>6,044</u>
12. Property, Plant and Equipment		
Plant and equipment		
<i>At cost</i>	18,570	17,795
<i>Accumulated depreciation</i>	(14,337)	(13,171)
	<u>4,233</u>	<u>4,624</u>
Work in Progress		
<i>At cost</i>	808	-
	<u>808</u>	<u>-</u>
Total property, plant and equipment net book value	<u>5,041</u>	<u>4,624</u>

Notes to the Financial Statements

Year Ended 30 June 2016

12. Property, Plant and Equipment (con't)	Note	2016 \$ 000's	2015 \$ 000's
(a) Movements in Carrying Amounts			
Movements in the carrying amounts for each class of property, plant and equipment between the beginning and the end of the current financial year.			
Plant and equipment			
Carrying amount at beginning of year		4,624	4,903
Additions		1,279	1,120
Transferred from leased assets		-	522
Disposals		(221)	(425)
Depreciation		(1,449)	(1,496)
Carrying amount at the end of year		<u>4,233</u>	<u>4,624</u>
Work in progress			
Carrying amount at beginning of year		-	-
Additions		808	-
Transferred to plant and equipment		-	-
Carrying amount at the end of year		<u>808</u>	<u>-</u>
Leased plant and equipment			
Carrying amount at beginning of year		-	700
Additions		-	-
Transferred to plant and equipment		-	(618)
Disposals		-	-
Amortisation		-	(82)
Carrying amount at the end of year		<u>-</u>	<u>-</u>
Carrying amount at the end of year		<u>5,041</u>	<u>4,624</u>
13. Intangible assets			
Software development pool			
At cost		12,911	12,911
Accumulated amortisation		(9,916)	(8,302)
		<u>2,995</u>	<u>4,609</u>
(a) Movements in Carrying Amounts			
Movements in the carrying amounts for each class of property, plant and equipment between the beginning and the end of the current financial year.			
Software Development Pool			
Carrying amount at beginning of year		4,609	6,223
Additions		-	-
Transferred from work in progress		-	-
Amortisation		(1,614)	(1,614)
Carrying amount at the end of year		<u>2,995</u>	<u>4,609</u>

Notes to the Financial Statements

Year Ended 30 June 2016

	Note	2016 \$ 000's	2015 \$ 000's
14. Trade and Other Payables			
Current			
Unsecured liabilities:			
Trade creditors		50,547	62,710
Other creditors and accruals		59,584	59,616
Amounts due to customers for contract work	8a	40,107	16,556
		150,238	138,882
15. Tax			
(a) Liabilities			
Income tax		-	-
		-	-
Non-current			
Deferred tax liability comprises:			
- Related entity distributions		5,376	1,070
- Other		1,334	1,977
Total		6,710	3,047
(b) Assets			
Deferred tax asset comprises:			
- Provisions		6,452	5,941
- Other		396	667
Total		6,848	6,608
(c) Reconciliations			
(i) Gross movements			
The overall movement in the deferred tax account is as follows:			
Opening balance		3,561	5,307
(Charge)/credit to Statement of profit or loss	4	870	(529)
Over/(under) provision in respect of previous years	4	(4,293)	(1,217)
Closing balance		138	3,561

Notes to the Financial Statements

Year Ended 30 June 2016

15. Tax (con't)

	Note	2016 \$ 000's	2015 \$ 000's
(ii) Deferred tax liability			
The movement in deferred tax liability for each temporary difference during the year is as follows:			
<u>Related entity distributions</u>			
Opening balance		1,070	(221)
Charge / (credit) to statement of profit or loss		13	74
(Over) / under provision in respect of previous years		4,293	1,217
Closing balance		5,376	1,070
<u>Other</u>			
Opening balance		1,977	2,075
Charge / (credit) to statement of profit or loss		(643)	(98)
Closing balance		1,334	1,977
(iii) Deferred tax assets			
The movement in deferred tax assets for each temporary difference during the year is as follows			
<u>Provisions</u>			
Opening balance		5,941	5,798
Credited/(charged) to statement of profit or loss		511	143
Closing balance		6,452	5,941
<u>Other</u>			
Opening balance		667	1,363
Credited/(charged) to statement of profit or loss		(271)	(696)
Closing balance		396	667
16. Provisions			
Current			
Employee benefits	16a	15,706	14,169
		15,706	14,169
Non-current			
Employee benefits	16a	3,037	2,319
		3,037	2,319
(a) Total current and non-current provisions			
Employee benefits		18,743	16,488
	16b	18,743	16,488
(b) Reconciliation of employee benefits			
Carrying amount at beginning of year		16,488	16,320
Amounts accrued		17,878	14,578
Amounts paid		(15,623)	(14,410)
Carrying value at the end of the year		18,743	16,488

Notes to the Financial Statements

Year Ended 30 June 2016

17. Issued Capital	Note	2016 \$ 000's	2015 \$ 000's
100,000 (2015: 100,000) Fully paid ordinary shares	17a	100	100
		100	100

Effective 1 July 1998, the Corporations legislation in place abolished the concepts of authorised capital and par value shares. Accordingly, the company does not have authorised capital or par value in respect of its issued shares.

(a) Fully Paid Ordinary Shares

Ordinary shares participate in dividends and the proceeds on winding up of the company in proportion to the number of shares held.

At shareholders meetings each ordinary share is entitled to one vote when a poll is called, otherwise each shareholder has one vote on show of hands.

18. Capital and Leasing Commitments

(a) Operating lease commitments

Non-cancellable operating leases contracted for but not capitalised in the financial statements

Payable - minimum lease payments

- not later than 12 months

- between 12 months and five years

- greater than five years

7,285	7,538
8,957	11,191
-	-
16,242	18,729

The economic entity currently has approximately 642 (2015: 629) operating leases relating to the motor vehicle fleet. These leases are usually structured over 3 year terms. The economic entity also has approximately 32 (2015: 24) operating leases for office buildings at various locations. The majority of these leases offer an option to extend. The economic entity also has 2 (2015: 6) office equipment lease which runs over a 5 year period.

(b) Capital expenditure commitments

Capital expenditure commitments contract for:

- plant and equipment

- capital expenditure projects

Payable:

- not later than 12 months

- between 12 months and five years

- greater than five years

-	-
-	-
-	-
-	-
-	-
-	-

Notes to the Financial Statements

Year Ended 30 June 2016

19. Contingent Liabilities and Contingent Assets

Estimates of the potential financial effect of contingent liabilities that may become payable:

(a) Litigation Issues

As is commonplace in the construction industry, the entity is periodically engaged in legal action in connection with contract disputes, as either plaintiff or defendant, when normal contract mediation has been unsuccessful. A number of such actions are presently on foot. Due to the uncertainty of such actions no debtor or creditor has been raised in the financial report.

(b) Bank Guarantees & Bonds

The economic entity operates within the construction and property development industry and consequently is required to issue performance bonds or bank guarantees to third parties to secure performance of contractual arrangements. Secured bank guarantees are secured by the assets of the group.

The directors of the economic entity do not believe that the guarantees and performance bonds are likely to be called upon.

	2016	2015
Note	\$ 000's	\$ 000's
- Secured bank guarantee indemnities	23,061	24,134
- Unsecured insurance bonds	74,631	63,895
	<u>97,692</u>	<u>88,029</u>

(c) Joint venture contingent liabilities

The economic entity has provided various loan guarantees in relation to banking facilities provided to joint venture entities in the normal course of business.

The directors of the economic entity do not believe that the loan guarantees are likely to be called upon.

Joint venture contingent liabilities are

- Guarantee of joint venture's loan facilities	-	-
- Guarantee of joint venture's land payment commitments	-	-
	<u>-</u>	<u>-</u>

(d) Intra-group loan guarantees

Various entities and subsidiaries of B.M.D. Holdings Pty Ltd have provided cross guarantees to the Group's financiers which secure banking facilities provided to the Group. Total available facility limits at 30 June 2016 are \$135,951,000 (2015: \$172,720,000). The directors of the BMD Group do not believe that loan guarantees are likely to be called upon.

Notes to the Financial Statements

Year Ended 30 June 2016

20. Notes to the Statement of Cash Flows	Note	2016 \$ 000's	2015 \$ 000's
(a) Reconciliation of cash flow from operations with profit after income tax			
Profit after income tax		4,695	9,191
Non-cash flows in profit			
Depreciation		1,449	1,578
Amortisation		1,614	1,614
Depreciation oncharged/recharged		(596)	(386)
Tax transferred to head entity		(1,285)	2,624
Writedowns to recoverable amounts		-	-
Net loss / (gain) on disposal of property, plant and equipment		(612)	(1,908)
		5,265	12,713
Changes in assets and liabilities, net of the effects of purchase and disposal of subsidiaries			
(Increase)/decrease in trade / term debtors		(3,819)	(1,654)
(Increase)/decrease in inventories		(228)	-
(Increase)/decrease in other assets		4,254	(2,029)
(Increase)/decrease in deferred taxes		3,425	1,745
Increase/(decrease) in accounts payable		(12,161)	20,939
Increase/(decrease) in accrued expenses		(33)	5,464
Increase/(decrease) in provisions		2,254	168
Net cash provided by / (used in) operations		(1,043)	37,346

(b) Non-cash financing and investing activities
Property Plant & Equipment

During the financial year, the economic entity acquired plant and equipment with an aggregate fair value of \$NIL (2015: \$NIL) by means of hire purchase agreements or finance leases. These acquisitions are not reflected in the cash flow statement.

(c) Credit stand by arrangement and loan facilities

B.M.D. Holdings Pty Ltd has no overdraft facilities at 30 June 2016 (2015 NIL).

The Group's banking facilities being a total of \$135,951,000 (2015:\$172,720,000) are secured by a registered first mortgage over the development properties of the controlled entity and a floating charge over all the assets and undertakings of the parent entity and controlled entity. Terms of the syndicated facility agreement are subject to renewal in May 2018.

	Total	Facility	Guarantees
Used	104,231	63,750	40,481
Unused	31,720	16,800	14,920
Total available facility	135,951	80,550	55,401

Notes to the Financial Statements

Year Ended 30 June 2016

21. Events after the Balance Sheet Date

No matters or circumstances have arisen since the end of the financial year which significantly affect or may significantly affect the operations of the economic entity, the results of those operations, or the state of affairs of the economic entity in future years.

The financial report was authorised for issue on the 28th day of October 2016, by the Board of Directors.

22. Company Details

The registered office of the company is:

B.M.D. Constructions Pty. Limited
25 Cambridge Parade
Manly QLD 4179

The principal place of business is:

B.M.D. Constructions Pty. Limited
1 Sandpiper Ave
Port of Brisbane QLD 4178

Director's Declaration

Year Ended 30 June 2016

The directors have determined that the company is not a reporting entity and that this special purpose financial report should be prepared in accordance with the accounting policies described in Note 1 to the financial statements.

The directors of the company declare that:

1. The financial statements and notes, as set out on pages 4 to 28, are in accordance with the Corporations Act 2001:
 - (a) comply with Accounting Standards as described in Note 1 to the financial statements and the Corporations Regulations 2001; and
 - (b) give a true and fair view of the company's financial position as at 30 June 2016 and of the performance for the year ended on that date in accordance with the accounting policies described in Note 1 to the financial statements.

2. In the directors' opinion there are reasonable grounds to believe that the company will be able to pay its debts as and when they become due and payable.

Signed in accordance with a resolution of the Board of Directors:

Director



Michael Christopher POWER

Dated this 28th day of October 2016

**Independent Auditor's Report
To the Members of B.M.D Constructions Pty. Limited**

We have audited the accompanying financial report, being a special purpose financial report, of B.M.D Constructions Pty. Limited (the "Company"), which comprises the statement of financial position as at 30 June 2016, the statement of profit or loss and other comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, notes comprising a summary of significant accounting policies and other explanatory information and the directors' declaration of the company.

Directors' responsibility for the financial report

The Directors of the Company are responsible for the preparation of the financial report that gives a true and fair view and have determined that the accounting policies used and described in Note 1 to the financial report, which form part of the financial report, are appropriate to meet the requirements of the Corporations Act 2001 and the needs of the members. The Directors' responsibility also includes such internal control as the Directors determine is necessary to enable the preparation of the financial report that gives a true and fair view and is free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an opinion on the financial report based on our audit. We conducted our audit in accordance with Australian Auditing Standards. Those standards require us to comply with relevant ethical requirements relating to audit engagements and plan and perform the audit to obtain reasonable assurance whether the financial report is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial report. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial report, whether due to fraud or error.

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In making those risk assessments, the auditor considers internal control relevant to the Company's preparation of the financial report that gives a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the Directors, as well as evaluating the overall presentation of the financial report.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Independence

In conducting our audit, we have complied with the independence requirements of the Corporations Act 2001.

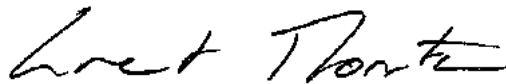
Auditor's opinion

In our opinion:

- a the financial report of B.M.D Constructions Pty. Limited is in accordance with the Corporations Act 2001, including:
 - i giving a true and fair view of the Company's financial position as at 30 June 2016 and of its performance for the year ended on that date in accordance with the accounting policies described in Note 1; and
 - ii complying with Australian Accounting Standards to the extent described in Note 1 and complying with the Corporations Regulations 2001.

Basis of accounting

Without modifying our opinion, we draw attention to Note 1 to the financial report, which describes the basis of accounting. The financial report has been prepared for the purpose of fulfilling the directors' financial reporting responsibilities under the Corporations Act 2001. As a result, the financial report may not be suitable for another purpose.



GRANT THORNTON AUDIT PTY LTD
Chartered Accountants



A F Newman
Partner - Audit & Assurance

Brisbane, 28 October 2016



Financial Report | Year Ended 30 June 2017

B.M.D. Constructions Pty. Limited



Director's Report

Year Ended 30 June 2017

The Directors of B.M.D. Constructins Pty. Limited present their report together with the financial statements of the entity for the year ended 30 June 2017.

The names of the directors in office at any time during, or since the end of the year are:

Michael Christopher POWER
Scott William POWER
Andrew MARCOS
David John YOUNG (resigned 10/5/2017)
Craig Allan MORTENSEN
Paul James FOGARTY

The loss for the financial year after providing for income tax amounted to \$10,650,000 (2016: \$4,457,000 profit)

A review of the operations of the company during the financial year and the results of those operations found that changes in market demand, market conditions and competition have seen an decrease in revenue of 15% to \$495,828,000.

The performance of the construction division reflects the state of the infrastructure market in Australia. While revenue growth remains strong and in line with targets, competition in the Victorian and New South Wales Markets in particular, continued to challenge margins. Lower public infrastructure spend in the rest of Australia, in particular Queensland, also contributed to the lower margin performance.

In order to address the low lower margin environment in the public infrastructure market, the company continued its diversification into non-government markets, in particular the airport and port sectors. The company further diversified its infrastructure business through the establishment of a business in the Philippines with a local partner. The expectation is that profits from the Philippines business will be returned to the group in the 2019 financial year.

Other than that noted in the preceding paragraph, no significant changes in the state of affairs of the company occurred during the financial year.

The principal activities of the company during the financial year was the provision of comprehensive construction services of all forms of infrastructure development.

No significant change in the nature of these activities occurred during the year.

No matters or circumstances have arisen since the end of the financial year which significantly affected or may significantly affect the operations of the company, the results of those operations, or the state of affairs of the company in future financial years.

The company will continue to tender for large civil infrastructure projects around Australia, the timing of which are dependent on levels of government and industry expenditure.

The company's operations are subject to a range of environmental regulations under the laws of the Commonwealth and States. Operations are conducted in accordance with the BMD Environmental Management System, which is designed to ensure the company complies with these environmental regulations.

In respect of the current year no dividends were paid (2016: \$NIL).

No options over issued shares or interests in the company were granted during or since the end of the financial year and there were no options outstanding at the date of this report.

Director's Report

Year Ended 30 June 2017

During the year, the company paid a premium to insure officers of the company. The officers of the company covered by the insurance policy include all directors and officers.

Details of the amount of the premiums paid in respect of the insurance policies is commercially sensitive and is not disclosed as such disclosure could unfairly prejudice the company.

The company has not otherwise, during or since the end of the financial year, except to the extent permitted by law, indemnified or agreed to indemnify any current or former officer or auditors of the Company against a liability incurred as such by an officer or auditor.

No person has applied for leave of Court to bring proceedings on behalf of the company or intervene in any proceedings to which the company is a party for the purpose of taking responsibility on behalf of the company for all or any part of those proceedings.

The company was not a party to any such proceedings during the year.

A copy of the auditor's independence declaration as required under section 307C of the Corporations Act 2001 is set out on page 3.

B.M.D. Constructions Pty Limited is a type of entity referred to in the Australian Securities and Investments Commission (ASIC) Corporations (Rounding in Financial/Directors' Reports) Instrument 2016/191 and therefore the amounts contained in this report and in the financial report have been rounded to the nearest \$1,000, or in certain cases, to the nearest dollar.

Signed in accordance with a resolution of the Board of Directors:

Director



Michael Christopher ~~POWER~~

Dated this 30th day of October 2017

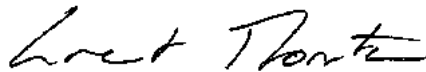
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Auditor's Independence Declaration to the Directors of B.M.D Constructions Pty. Ltd

In accordance with the requirements of section 307C of the Corporations Act 2001, as lead auditor for the audit of B.M.D Constructions Pty. Ltd for the year ended 30 June 2017, I declare that, to the best of my knowledge and belief, there have been:

- a no contraventions of the auditor independence requirements of the Corporations Act 2001 in relation to the audit; and
- b no contraventions of any applicable code of professional conduct in relation to the audit.



GRANT THORNTON AUDIT PTY LTD
Chartered Accountants



A F Newman
Partner - Audit & Assurance

Brisbane, 30 October 2017

Grant Thornton Audit Pty Ltd ACN 130 913 594
a subsidiary or related entity of Grant Thornton Australia Ltd ABN 41 127 556 389

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Statement of Profit or Loss and Other Comprehensive Income

Year Ended 30 June 2017

	2017	2016
Note	\$ 000's	<i>Restated</i> \$ 000's
Revenue		
Revenue from construction services	495,828	580,890
Total Sales Revenue	495,828	580,890
Cost of Sales		
Construction expenses	(478,702)	(540,174)
Total Cost of Sales	(478,702)	(540,174)
Gross Profit	17,126	40,716
Other revenue	2a 12,716	10,772
Other income	2b 54	655
Administration expenses	(36,339)	(37,909)
Occupancy expenses	(2,656)	(3,055)
Finance costs	(90)	(88)
Other expenses	(5,609)	(4,495)
Total Expenses	(31,924)	(34,120)
Profit / (Loss) before income tax expense	(14,798)	6,596
Income tax benefit / (expense)	3 4,148	(2,139)
Profit for the year	(10,650)	4,457
Other comprehensive income net of tax	-	-
Total comprehensive income attributable to members of the parent entity	(10,650)	4,457

Statement of Financial Position

As at 30 June 2017

	Note	2017 \$ 000's	2016 <i>Restated</i> \$ 000's	1 July 2015 <i>Restated</i> \$ 000's
Current assets				
Cash and cash equivalents	4	104,156	63,257	54,342
Trade and other receivables	5	133,757	159,394	146,280
Inventories	6	1,026	228	-
Other assets	7	4,253	3,324	4,264
Total current assets		243,192	226,203	204,886
Non-current assets				
Trade and other receivables	5	1,981	2,279	2,279
Other financial assets	8	6,034	6,044	6,044
Property, plant and equipment	9	5,828	5,041	4,624
Deferred tax assets	11	7,946	6,848	6,608
Intangible assets	10	1,382	2,995	4,609
Total non-current assets		23,171	23,207	24,164
Total assets		266,363	249,410	229,050
Current liabilities				
Trade and other payables	12	177,786	150,725	140,740
Employee benefits	13	19,875	15,706	14,169
Total current liabilities		197,661	166,431	154,909
Non-current liabilities				
Deferred tax liabilities	11	4,496	6,710	3,047
Employee benefits	13	1,624	3,037	2,319
Total non-current liabilities		6,120	9,747	5,366
Total liabilities		203,781	176,178	160,275
Net assets		62,582	73,232	68,775
Equity				
Issued capital	14	100	100	100
Retained earnings		62,482	73,132	68,675
Total equity		62,582	73,232	68,775

Statement of Changes in Equity

Year Ended 30 June 2017

	Note	Share Capital \$ 000's	Retained Earnings \$ 000's	Total Equity \$ 000's
Balance as at 30 June 2015		100	71,186	71,286
Retrospective adjustment due to change in accounting policy		-	(2,511)	(2,511)
Balance as at 1 July 2015		100	68,675	68,775
Total comprehensive income attributable to members of parent entity		-	4,457	4,457
Subtotal		100	73,132	73,232
Dividends paid or provided for		-	-	-
Balance as at 30 June 2016		100	73,132	73,232
Total comprehensive income attributable to members of parent entity		-	(10,650)	(10,650)
Subtotal		100	62,482	62,582
Dividends paid or provided for		-	-	-
Balance as at 30 June 2017		100	62,482	62,582

Statement of Cash Flows

Year Ended 30 June 2017

	2017	2016
Note	\$ 000's	Restated \$ 000's
Cash flows from operating activities		
Receipts from customers	564,853	657,371
Payments to suppliers and employees	(532,403)	(660,562)
Share of profit from joint ventures	(237)	(45)
Interest received	255	404
Finance costs paid	(90)	(546)
Income tax paid	-	-
Net cash provided / (used in) operating activities	32,378	(3,378)
Cash flows from investing activities		
Proceeds on sale of non-current assets	313	1,541
Purchase of property, plant and equipment	(2,907)	(2,796)
Net advances received from / (paid to) other related entities	11,115	21,992
Loans to related parties:		
- payments made	-	(8,444)
- proceeds from repayments		
Net cash provided / (used in) investing activities	8,521	12,293
Cash flows from financing activities		
Repayment of borrowings - leases	-	-
Net cash provided / (used in) financing activities	-	-
Net increase/(decrease) in cash held	40,899	8,915
Cash at the beginning of the financial year	63,257	54,342
Cash at the end of the financial year	104,156	63,257
4		

Notes to the Financial Statements

Year Ended 30 June 2017

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This financial report includes the financial statements and notes of B.M.D. Constructions Pty. Limited as a standalone entity.

The entity has elected to adopt the Australian Accounting Standards – reduced disclosure Requirements (established by AASB 1053 *Application of Tiers of Australian Accounting Standards* and AASB 2010-2 *Amendments to Australian Accounting Standards arising from Reduced Disclosure Requirements*).

These financial statements are general purpose financial statements that have been prepared in accordance with Australian Accounting standards – Reduced Disclosure requirements and the *Corporations Act 2001*. B.M.D. Constructions Pty Limited is a for-profit entity for the purposes of preparing these financial statements.

The financial statements for the year ended 30 June 2017 were approved and authorised for issue by the Board of Directors on 30 October 2017.

1. Statement of significant accounting policies

The financial statements have been prepared using the significant accounting policies and measurement bases summarised below.

(a) Principles of consolidation

BMD Constructions Pty Ltd is a parent entity, however it does not present consolidated financial statements as it meets all the conditions for exemption from the preparation of consolidated financial statements as set out in paragraph 4 of AASB 10 Consolidated Financial Statements. As such these are separate financial statements prepared in accordance with AASB 127 Separate Financial Statements. These separate financial statements account for subsidiaries at cost and joint ventures and associates using the equity method.

(b) Business combinations

Business combinations occur where control over another business is obtained and results in the consolidation of its assets and liabilities. The entity applies the acquisition method in accounting for business combinations. The acquisition method requires an acquirer of the business to be identified and for the cost of the acquisition and fair values of identifiable assets, liabilities and contingent liabilities to be determined as at acquisition date, being the date that control is obtained. Cost is determined as the aggregate of fair values of assets given, equity issued and liabilities assumed in exchange for control. Any deferred consideration payable is discounted to present value using the entity's incremental borrowing rate.

Goodwill is recognised initially as the excess of cost over the acquirer's interest in the net fair value of the identifiable assets, liabilities and contingent liabilities recognised. If the fair value of the acquirer's interest is greater than cost, the surplus is immediately recognised as profit or loss.

All transaction costs incurred in relation to the business combination are expensed to the statement of profit or loss and other comprehensive income.

(c) Investments in associates and joint arrangements

Associates are those entities over which the entity is able to exert significant influence but which are not subsidiaries.

A joint venture is an arrangement that the entity controls jointly with one or more other investors, and over which the entity has rights to a share of the arrangement's net assets rather than direct rights to underlying assets and obligations for underlying liabilities. A joint arrangement in which the entity has direct rights to underlying assets and obligations for underlying liabilities is classified as a joint operation.

Investments in associates and joint ventures are accounted for using the equity method. Interests in joint operations are accounted for by recognising the entity's assets (including its share of any assets held jointly), its liabilities (including its share of any liabilities incurred jointly), its revenue from the sale of its share of the output arising from the joint operation, its share of the revenue from the sale of the output by the joint operation and its expenses (including its share of any expenses incurred jointly).

Notes to the Financial Statements

Year Ended 30 June 2017

0

Any goodwill or fair value adjustment attributable to the entity's share in the associate or joint venture is not recognised separately and is included in the amount recognised as investment.

The carrying amount of the investment in associates and joint ventures is increased or decreased to recognise the entity's share of the profit or loss and other comprehensive income of the associate and joint venture, adjusted where necessary to ensure consistency with the accounting policies of the entity.

Unrealised gains and losses on transactions between the entity and its associates and joint ventures are eliminated to the extent of the entity's interest in those entities. Where unrealised losses are eliminated, the underlying asset is also tested for impairment.

(d) Revenue

Revenue arises from the sale of goods and the rendering of services plus the entity's share of revenue of its joint ventures. It is recognised and measured at fair value of the consideration received or receivable net of the amount of goods and services tax (GST) payable to the taxation authority, trade discounts and volume rebates allowed.

Revenue from construction services and work in progress

Revenue from construction contracting services is recognised using the percentage complete method. Stage of completion is measured by reference to costs incurred to date as a percentage of estimated total costs for each contract. Where the project result can be reliably estimated, contract revenue and expenses are recognised in the statement of profit or loss as earned and incurred. Where the project result cannot be reliably estimated, profits are deferred and the difference between consideration received and expenses is carried forward as either a contract receivable or contract payable. Once the contract result can be reliably estimated, the profit earned to that point is recognised immediately.

Interest income

Interest income and expenses are reported on an accrual basis using the effective interest method.

Dividend revenue

Dividend income (other than those from investment in associates) is recognised when the right to receive a dividend or commission has been established.

(e) Operating expenses

Operating expenses are recognised in profit or loss upon utilisation of the service or at the date of their origin.

(f) Borrowing costs

Borrowing costs directly attributable to the acquisition, construction or production of qualifying assets are capitalised as part of the cost of that asset, until such time as the assets are substantially ready for their intended use or sale.

Borrowing costs are recognised in the statement of profit or loss and other comprehensive income in the period in which they are incurred.

(g) Other intangibles assets

Software

Costs associated with acquired software are capitalised and amortised on a straight-line basis over the period of their expected benefit being their finite life of eight years. Amortisation is recognised in the administration expenses line of the Statement of Profit or Loss.

Subsequent expenditures on the maintenance of software are expensed as incurred.

When an intangible asset is disposed of, the gain on disposal is determined as the difference between the proceeds and the carrying amount of the asset and is recognised in the profit or loss within other income or other expenses.

Notes to the Financial Statements

Year Ended 30 June 2017

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(h) Plant and equipment

Each class of plant and equipment is carried at cost less, where applicable, any accumulated depreciation and impairment losses.

Plant and equipment

Plant and equipment are measured on the cost basis less depreciation and impairment losses.

The carrying amount of plant and equipment is reviewed annually by directors to ensure it is not in excess of the recoverable amount from these assets. The recoverable amount is assessed on the basis of the expected net cash flows that will be received from the assets employment and subsequent disposal. The expected net cash flows have not been discounted to their present values in determining recoverable amounts.

Depreciation

The depreciable amount of all fixed assets, is depreciated on a diminishing value basis over their useful lives to the company commencing from the time the asset is held ready for use. Depreciation is recognised in the administration expenses line of the Statement of Profit or Loss.

The estimated useful life for each class of depreciable assets are:

Class of Fixed Asset	Useful Life
Plant and equipment	3 to 80 years

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at each balance sheet date.

An asset's carrying amount is written down immediately to its recoverable amount if the asset's carrying amount is greater than its estimated recoverable amount.

Gains and losses on disposals are determined by comparing proceeds with the carrying amount. These gains or losses are included in the statement of profit or loss and other comprehensive income. When revalued assets are sold, amounts included in the revaluation reserve relating to that asset are transferred to retained earnings.

(i) Leases

Leases of fixed assets where substantially all the risks and benefits incidental to the ownership of the asset, but not the legal ownership, is transferred to the company, are classified as finance leases.

Where the entity is a lessee in this type of arrangement, the related asset is recognised at the inception of the lease at the fair value of the leased asset or, if lower, the present value of the lease payments plus incidental payments, if any. A corresponding amount is recognised as a finance lease liability.

Leased assets are depreciated on a straight-line basis over the shorter of their estimated useful lives or the lease term.

Lease payments for operating leases, where substantially all the risks and benefits remain with the lessor, are charged as expenses in the periods in which they are incurred.

Lease incentives under operating leases are recognised as a liability and amortised on a straight-line basis over the life of the lease term.

Notes to the Financial Statements

Year Ended 30 June 2017

0

(j) Impairment of assets

At each reporting date, the entity reviews the carrying values of its tangible and intangible assets to determine whether there is any indication that those assets have been impaired. If such an indication exists, the recoverable amount of the asset, being the higher of the asset's fair value less costs to sell and value in use, is compared to the asset's carrying value. Any excess of the asset's carrying value over its recoverable amount is expensed to the statement of profit or loss and other comprehensive income.

Impairment testing is performed annually for goodwill and intangible assets with indefinite lives. Where it is not possible to estimate the recoverable amount of an individual asset, the entity estimates the recoverable amount of the cash-generating unit to which the asset belongs.

(k) Financial instruments

Recognition, initial measurement and derecognition

Financial instruments, incorporating financial assets and financial liabilities, are recognised when the entity becomes a party to the contractual provisions of the financial instrument.

Financial assets are derecognised when the contractual rights to the cash flows from the financial asset expire, or when the financial asset and all substantial risks and rewards are transferred. A financial liability is derecognised when it is extinguished, discharged, cancelled or expires.

Financial instruments are initially measured at fair value adjusted by transactions costs, except for those carried at fair value through profit or loss, which are measured initially at fair value. Subsequent measurement of financial assets and financial liabilities are described below.

Classification and subsequent measurement

Loans and receivables

Loans and receivables are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market and are stated at amortised cost using the effective interest rate method less provision for impairment. Discounting is omitted where the effect of discounting is immaterial. The entity's trade and most other receivables fall into this category of financial instruments.

Individually significant receivables are considered for impairment when they are past due or when other objective evidence is received that a specific counterparty will default. Receivables that are not considered to be individually impaired are reviewed for impairment in groups, which are determined by reference to the industry and region of a counterparty and other shared credit risk characteristics. The impairment loss estimate is then based on recent historical counterparty default rates for each identified group.

Financial liabilities

The entity's financial liabilities include borrowings, trade and other payables and derivative financial instruments. Financial liabilities are measured subsequently at amortised cost using the effective interest method.

Derivative financial instruments

Derivatives are initially recognised at fair value on the date a derivative contract is entered into and are subsequently remeasured to their fair value at each reporting date. The accounting for subsequent changes in fair value depends on whether the derivative is designated as a hedging instrument, and if so, the nature of the item being hedged.

Derivatives are classified as current or non-current depending on the expected period of realisation.

(l) Inventories

Inventories are stated at the lower of cost and net realisable value. Net realisable value is the estimated selling price in the ordinary course of business less any applicable selling expenses.

Notes to the Financial Statements

Year Ended 30 June 2017

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(m) Income taxes

The income tax (expense)/revenue for the year comprises current income tax (expense)/ income and deferred tax (expense)/income.

The charge for current income tax expenses is based on the profit for the year adjusted for any non-assessable or disallowed items. It is calculated using tax rates that have been enacted or are substantively enacted by the balance sheet date.

Deferred income tax expense reflects movements in deferred tax asset and deferred tax liability balances during the year as well as unused tax losses.

Current and deferred income tax expense (income) is charged or credited directly to other comprehensive income instead of the profit or loss when the tax relates to items that are credited or charged directly to other comprehensive income.

Deferred tax assets and liabilities are ascertained based on temporary differences arising between the tax bases of assets and liabilities and their carrying amounts in the financial statements. Deferred tax assets also result where amounts have been fully expensed but future tax deductions are available. No deferred income tax will be recognised from the initial recognition of an asset or liability, excluding a business combination, where there is no effect on accounting or taxable profit or loss.

Deferred tax is calculated at the tax rates that are expected to apply to the period when the asset is realised or liability is settled. Deferred income tax assets are recognised to the extent that it is probable that future tax profits will be available against which deductible temporary differences can be utilised.

The amount of benefits brought to account or which may be realised in the future is based on the assumption that no adverse change will occur in income taxation legislation and the anticipation that the entity will derive sufficient future assessable income to enable the benefit to be realised and comply with the conditions of deductibility imposed by the law.

B.M.D. Holdings Pty. Limited and its wholly-owned Australian subsidiaries have formed an income tax consolidated group under the Tax Consolidation Regime. Each entity in the entity recognises its own deferred tax assets and liabilities, except for any deferred tax assets resulting from unused tax losses and tax credits, which are immediately assumed by the parent entity. The current tax liability of each group entity is then subsequently assumed by the parent entity. The entity notified the ATO that it had formed an income tax consolidated group to apply from 1 July 2003. The tax consolidated group has entered a tax funding agreement whereby each company in the entity contributes to the income tax payable in proportion to their contribution to profit before tax of the tax consolidated group.

(n) Cash and cash equivalents

Cash and cash equivalents include cash on hand, deposits held at call with banks, other short-term highly liquid investments with original maturities of three months or less, and bank overdrafts. Bank overdrafts are shown within short-term borrowings in current liabilities on the statement of financial position.

(o) Equity, reserves and dividend payments

Share capital represents the fair value of shares that have been issued. Any transaction costs associated with the issuing of shares are deducted from share capital, net of any related income tax benefits.

Retained earnings include all current and prior period retained profits.

Dividend distributions payable to equity shareholders are included in other liabilities when the dividends have been approved in prior to the reporting date.

All transactions with owners of the parent are recorded separately within equity.

Notes to the Financial Statements

Year Ended 30 June 2017

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(p) Employee benefits

Short-term employee benefits

Short-term employee benefits are benefits, other than termination benefits, that are expected to be settled wholly within twelve (12) months after the end of the period in which the employees render the related service. Short-term employee benefits are measured at the undiscounted amounts expected to be paid when the liabilities are settled.

Other long-term employee benefits

The entity's liabilities for long-term employee benefits are measured at the present value of the expected future payments to be made to employees. The expected future payments incorporate anticipated future wage and salary levels, experience of employee departures and periods of service, and are discounted at rates determined by reference to market yields at the end of the reporting period on high quality corporate bonds that have maturity dates that approximate the timing of the estimated future cash outflows. Any re-measurements arising from experience adjustments and changes in assumptions are recognised in profit or loss in the periods in which the changes occur.

The entity presents employee benefit obligations as current liabilities in the statement of financial position if the Group does not have an unconditional right to defer settlement for at least twelve (12) months after the reporting period, irrespective of when the actual settlement is expected to take place.

Defined contribution plans

The entity pays fixed contributions into independent entities in relation to several State plans and insurance for individual employees. The entity has no legal or constructive obligations to pay contributions in addition to its fixed contributions, which are recognised as an expense in the period that relevant employee services are received.

(q) Provisions

Provisions are recognised when the company has a legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured.

(r) Trade and other payables

Trade and other payables represent the liability outstanding at the end of the reporting period for goods and services received by the entity during the reporting period, which remain unpaid. The balance is recognised as a current liability. These amounts are normally paid within agreed commercial terms.

(s) Goods and services tax (GST)

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office. In these circumstances, the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense. Receivables and payables in the statement of financial position are shown inclusive of GST.

Cash flows are presented in the cash flow statement on a gross basis, except for the GST component of investing and financing activities, which are disclosed as operating cash flows.

(t) Rounding of amounts

The parent entity has applied the relief available to it under ASIC Corporations (Rounding in Financial / Directors' reports) Instrument 2016/191 and accordingly, amounts in the financial report have been rounded off to the nearest thousand dollars unless otherwise stated.

Notes to the Financial Statements

Year Ended 30 June 2017

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(u) Significant management judgement in applying accounting policies

When preparing the financial statements, management undertakes a number of judgements, estimates and assumptions about the recognition and measurement of assets, liabilities, income and expenses.

The following are significant management judgements in applying the accounting policies of the entity that have the most significant effect on the financial statements.

Construction Contract Revenue

Recognised amount of construction contract revenues and related receivables reflect management's best estimate of each contract's outcome and stage of completion. This includes the assessment of the profitability of on-going construction contracts. For more complex contracts, costs to complete and profitability are subject to significant estimation uncertainty.

Deferred tax assets

The assessment of the probability of future taxable income in which deferred tax assets can be utilised is based on the Company's latest approved budget forecast, which is adjusted for significant non-taxable income and expenses and specific limits to the use of any unused tax loss or credit. The tax rules in the numerous jurisdictions in which the Company operates are also carefully taken into consideration. If a positive forecast of taxable income indicates the probable use of a deferred tax asset, especially when it can be utilised without a time limit that deferred tax asset is usually recognised in full. The recognition of deferred tax assets that are subject to certain legal or economic limits or uncertainties is assessed individually by management based on the specific facts and circumstances.

Estimation Uncertainty

When preparing the financial statements management undertakes a number of judgements, estimates and assumptions about recognition and measurements of assets, liabilities, income and expenses.

The actual results may differ from judgements, estimates and assumptions made by management, and will seldom equal the estimated results.

Information about significant judgements, estimates and assumptions that have the most significant effect on recognition and measurement of assets, liabilities, income and expenses is provided below.

Impairment

The entity assesses impairment at each reporting date by evaluating conditions specific to the entity that may lead to impairment of assets. Where an impairment indicator exists, the recoverable amount of the asset is determined. Discounted cash flow calculations performed in assessing recoverable amounts incorporate a number of key estimates based on detailed financial modelling using current estimates derived from market research and trends.

Useful lives of depreciable assets

Management reviews the useful lives of depreciable assets at each reporting date, based on the expected utility of the assets to the Company. Actual results, however, may vary due to technical obsolescence, particularly in relation to software and IT equipment.

(v) Adoption of new and revised accounting standards

During the current year, the entity has adopted all amendments to the Australian Accounting Standards issued by the Australian Accounting Standards Board, which are relevant to and effective for the entity's financial statements for the annual period beginning 1 July 2015.

None of the amendments have had a significant impact on the entity.

Notes to the Financial Statements

Year Ended 30 June 2017

0

(w) Change in accounting policy

During 2017, B.M.D. Constructions Pty. Limited adopted full general purpose financial reports for lodgement with ASIC. As such the adoption of AASB 128 Investment in Associates and AASB 11 Investment in Joint Ventures was necessary. The adoption of these standards has been applied retrospectively in accordance with AASB 108 Accounting Policies, Changes in Accounting Estimates and Errors resulting in the restatement of prior year financial information.

As a result of these changes, the following adjustments were made to the financial statements:

	2016 Reported	Adjustment	2016 Restated	2015 Reported	Adjustment	2015 Restated
	\$ 000's	\$ 000's	\$ 000's	\$ 000's	\$ 000's	\$ 000's
Income Statement						
Revenue from construction services	580,986	(96)	580,890			
Total Revenue	580,986	(96)	580,890			
Cost of Sales						
Construction Expenses	(540,033)	46	(540,079)			
Total Cost of Sales	(540,033)	46	(540,079)			
GROSS PROFIT	40,953	(142)	40,811			
Other revenue	10,765	7	10,772			
Administration expenses	(37,906)	3	(37,909)			
Occupancy expenses	(3,050)	5	(3,055)			
Total Expenses	(34,119)	1	(34,120)			
Profit / (Loss) before income tax expense	6,834	(143)	6,691			
Balance Sheet						
Current assets						
Cash and cash equivalents	62,996	261	63,257	51,847	2,495	54,342
Trade and other receivables	161,917	(2,523)	159,394	149,428	(3,148)	146,280
Total current assets	228,465	(2,262)	226,203	205,539	(653)	204,886
Total assets	251,672	(2,262)	249,410	229,703	(653)	229,050
Current liabilities						
Trade & other payables	150,238	487	150,725	138,882	1,858	140,740
Total current liabilities	165,944	487	166,431	153,051	1,858	154,909
Total liabilities	175,691	487	176,178	158,417	1,858	160,275
Net assets	75,981	(2,749)	73,232	71,286	(2,511)	68,775
Equity						
Retained earnings	75,881	(2,749)	73,132	71,186	(2,511)	68,675
Total equity	75,981	(2,749)	73,232	71,286	(2,511)	68,775

Notes to the Financial Statements

Year Ended 30 June 2017

	Note	2017 \$ 000's	2016 \$ 000's	
2. Other revenue & income				
(a) Other revenue				
Interest received		254	405	
Discounts received		4,674	4,369	
Sundry income		7,788	5,998	
		12,716	10,772	
(b) Other income				
Gain on disposal of property, plant and equipment		54	655	
Total other incomes		54	655	
3. Income tax expense				
(a) The components of tax (expense)/benefit comprise:				
Current tax		(787)	(3,009)	
Deferred tax	11c	4,918	870	
Under/(over) provision of deferred tax in respect of prior years	11c	(1,606)	(4,293)	
Under/(over) provision of income tax in respect of prior years		1,623	4,293	
		4,148	(2,139)	
4. Cash and cash equivalents				
	Note	2017 \$ 000's	2016 <i>Restated</i> \$ 000's	1 July 2015 <i>Restated</i> \$ 000's
Cash on hand		12	9	15
Cash at bank		104,144	63,248	54,327
		104,156	63,257	54,342
5. Trade and other receivables				
Current				
Trade receivables		19,622	24,092	16,226
Less: Allowance for impairment of trade debtors		(166)	(166)	(166)
		19,456	23,926	16,060
Amount due from customers from construction contracts		83,148	96,202	76,021
Other receivables		4,175	2,558	5,876
Loans to related entities	5a	26,978	36,708	48,323
		133,757	159,394	146,280
Non current				
Amount due from customers from construction contracts		1,981	2,279	2,279
		1,981	2,279	2,279
(a) Other related parties				
Current				
Subsidiaries of ultimate holding company		7,833	17,563	37,673
Other entities		19,145	19,145	10,650
		26,978	36,708	48,323

Notes to the Financial Statements

Year Ended 30 June 2017

	Note	2017 \$ 000's	2016 \$ 000's
6. Inventories			
Current			
Stock on hand		1,026	228
		1,026	228
7. Other assets			
Current			
Prepayments		1,346	1,548
Accrued income		2,907	1,776
		4,253	3,324
8. Other financial assets			
Investment in other corporations - at cost		6,034	6,044
		6,034	6,044
Shares in controlled entities - at cost		1,001	1,011
Investment in unconsolidated entities		5,033	5,033
		6,034	6,044
9. Property, plant and equipment			

Details of the Group's property, plant & equipment and their carrying amount as follows:

	Plant & Equipment	Work in Progress	Total
Gross carrying amount			
Balance at 1 July 2016	18,570	807	19,377
Transfer to other asset classes	1,135	(1,442)	(307)
Additions	2,491	658	3,149
Disposals	(604)	-	(604)
Balance at 30 June 2017	21,592	23	21,615
Depreciation & impairment			
Balance at 1 July 2016	(14,337)	-	(14,337)
Disposals	412	-	412
Depreciation	(1,862)	-	(1,862)
Balance at 30 June 2017	(15,787)	-	(15,787)
Carrying amount 30 June 2017	5,805	23	5,828

10. Intangible assets - software

Gross carrying amount		
Balance at 1 July 2016	12,911	12,911
Additions	-	-
Balance at 30 June 2017	12,911	12,911
Accumulated impairment		
Balance at 1 July 2016	(9,915)	(8,302)
Amortisation	(1,614)	(1,614)
Balance at 30 June 2017	(11,529)	(9,916)
Carrying amount 30 June 2017	1,382	2,995

Notes to the Financial Statements

Year Ended 30 June 2017

11. Tax	Note	2017 \$ 000's	2016 \$ 000's
(a) Liabilities			
Deferred tax liability comprises:			
- Related entity distributions		3,899	5,376
- Other		597	1,334
Total		4,496	6,710
(b) Assets			
Deferred tax asset comprises:			
- Provisions		7,262	6,452
- Other		684	396
Total		7,946	6,848
(c) Reconciliations			
(i) Gross movements			
The overall movement in the deferred tax account is as follows:			
Opening balance		138	3,561
(Charge)/credit to Statement of profit or loss	3	4,918	870
Over/(under) provision in respect of previous years	3	(1,606)	(4,293)
Closing balance		3,450	138
(ii) Deferred tax liability			
The movement in deferred tax liability for each temporary difference during the year is as follows:			
<u>Related entity distributions</u>			
Opening balance		5,376	1,070
Charge / (credit) to statement of profit or loss		(3,083)	13
(Over) / under provision in respect of previous years		1,606	4,293
Closing balance		3,899	5,376
<u>Other</u>			
Opening balance		1,334	1,977
Charge / (credit) to statement of profit or loss		(737)	(643)
Closing balance		597	1,334
(iii) Deferred tax assets			
The movement in deferred tax assets for each temporary difference during the year is as follows:			
<u>Provisions</u>			
Opening balance		6,452	5,941
Credit/(charge) to statement of profit or loss		810	511
Closing balance		7,262	6,452
<u>Other</u>			
Opening balance		396	667
Credit/(charge) to statement of profit or loss		288	(271)
Closing balance		684	396

Notes to the Financial Statements

Year Ended 30 June 2017

	2017	2016	1 July 2015
	\$ 000's	<i>Restated</i>	<i>Restated</i>
12. Trade and other payables	Note	\$ 000's	\$ 000's
Current			
Unsecured liabilities:			
Trade creditors		51,078	63,779
Other creditors and accruals		60,588	60,400
Amounts due to customers for contract work		39,059	16,561
		150,725	140,740

	2017	2016
	\$ 000's	\$ 000's
13. Employee benefits	Note	\$ 000's
(a) Employee remuneration		
Expenses recognised for employee benefits are analyse below:		
Salaries and wages		7,285
Defined contribution plans		712
Total Employee remuneration		712
(b) Employee benefits		
The liabilities recognised for employee benefits consist of the following amounts:		
Current		
Short term employee obligations		15,706
		15,706
Non-current		
Long term employee obligations		3,037
		3,037
14. Issued capital		
100,000 (2016: 100,000) Fully paid ordinary shares		100
		100

The share capital of B.M.D. Constructions Pty. Limited consists only of fully paid ordinary shares; the shares do not have a par value. All shares are equally eligible to receive dividends and the repayment of capital and represents one vote at the Shareholders' meeting of B.M.D. Constructions Pty. Limited .

15. Related party transactions

The entity's related parties include subsidiaries of the ultimate holding company as described below.

(a) Transactions with key management personnel

Key management of the entity are the executive members of BMD Holding's Board of Directors and executive managers. Key management personnel remuneration is incurred by B.M.D. Constructions Pty. Limited and includes the following expenses:

	2017	2016
	\$	\$
Total key management personnel remuneration	Note	\$
		8,456,903
		8,456,903

Notes to the Financial Statements

Year Ended 30 June 2017

15. Related party transactions (continued)

(b) Transaction with subsidiaries of the ultimate holding company

B.M.D. Constructions Pty. Limited engages various subsidiaries of the ultimate holding company, B.M.D. Holdings Pty. Limited to perform civil construction, landscape or design works. During 2017, these works or re-charges were valued at \$15,467,908 (2016: \$14,081,754) from subsidiaries of the ultimate holding company. \$1,107,327 remained outstanding at the end of the financial year (2016:\$1,725,293).

Additionally, from time to time B.M.D. Constructions performs civil construction works or recharges certain administration costs to various subsidiaries of the ultimate holding company. During 2017, these works or re-charges were valued at \$23,312,221 (2016: 34,659,377). \$2,090,086 remained outstanding and receivable at the end of the financial year (2016: \$2,270,375).

16. Capital and leasing commitments

(a) Operating lease commitments

Non-cancellable operating leases contracted for but not capitalised in the financial statements

Payable - minimum lease payments

- not later than 12 months

- between 12 months and five years

- greater than five years

Note	2017 \$ 000's	2016 \$ 000's
	7,861	7,285
	8,886	8,957
	77	-
	<u>16,824</u>	<u>16,242</u>

The entity currently has approximately 778 (2016: 642) operating leases relating to the motor vehicle fleet. These leases are usually structured over 3 year terms.

The entity also has approximately 20 (2016: 16) operating leases for office buildings at various locations. The majority of these leases offer an option to extend.

The entity also has 2 (2016: 2) office equipment lease which runs over a 5 year period.

Lease expense during the period amounted to \$8,760,000 (2016: \$8,635,000) representing the minimum lease payments.

17. Contingent liabilities and contingent assets

Estimates of the potential financial effect of contingent liabilities that may become payable:

(a) Litigation issues

As is commonplace in the construction industry, the entity is periodically engaged in legal action in connection with contract disputes, as either plaintiff or defendant, when normal contract mediation has been unsuccessful. A number of such actions are presently on foot. Due to the uncertainty of such actions no debtor or creditor has been raised in the financial report.

(b) Bank guarantees & bonds

The economic entity operates within the construction and property development industry and consequently is required to issue performance bonds or bank guarantees to third parties to secure performance of contractual arrangements. Secured bank guarantees are secured by the assets of the group.

The directors of the economic entity do not believe that the guarantees and performance bonds are likely to be called upon.

- Secured bank guarantee indemnities
 - Unsecured insurance bonds

Note	2017 \$ 000's	2016 \$ 000's
	25,562	23,061
	73,762	74,631
	<u>99,324</u>	<u>97,692</u>

(c) Intra-group loan guarantees

Various entities and subsidiaries of B.M.D. Holdings Pty Ltd have provided cross guarantees to the Group's financiers which secure banking facilities provided to the Group. Total available facility limits at 30 June 2017 are \$142,175,000 (2016: \$135,951,000). The directors of the BMD Group do not believe that loan guarantees are likely to be called upon.

Notes to the Financial Statements

Year Ended 30 June 2017

18. Events after the balance sheet date

No matters or circumstances have arisen since the end of the financial year which significantly affect or may significantly affect the operations of the economic entity, the results of those operations, or the state of affairs of the economic entity in future years.

The financial report was authorised for issue on the 30th day of October 2017, by the Board of Directors.

19. Company details

The registered office of the company is:

B.M.D. Constructions Pty. Limited
25 Cambridge Parade
Manly QLD 4179

The principal place of business is:

B.M.D. Constructions Pty. Limited
1 Sandpiper Ave
Port of Brisbane QLD 4178

Director's Declaration

Year Ended 30 June 2017

The directors have determined that the company is not a reporting entity and that this special purpose financial report should be prepared in accordance with the accounting policies described in Note 1 to the financial statements.

The directors of the company declare that:

1. The financial statements and notes, as set out on pages 4 to 21, are in accordance with the Corporations Act 2001:
 - (a) comply with Accounting Standards as described in Note 1 to the financial statements and the Corporations Regulations 2001; and
 - (b) give a true and fair view of the company's financial position as at 30 June 2017 and of the performance for the year ended on that date in accordance with the accounting policies described in Note 1 to the financial statements.
2. In the directors' opinion there are reasonable grounds to believe that the company will be able to pay its debts as and when they become due and payable.

Signed in accordance with a resolution of the Board of Directors:

Director



Michael Christopher POWER

Dated this 30th day of October 2017

Independent Auditor's Report to the Members of B.M.D Constructions Pty. Limited

Report on the audit of the financial report

Opinion

We have audited the financial report of B.M.D Constructions Pty. Limited (the Company), which comprises the statement of financial position as at 30 June 2017, the statement of profit or loss and other comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies, and the directors' declaration.

In our opinion, the accompanying financial report of the Company is in accordance with the *Corporations Act 2001*, including:

- a Giving a true and fair view of the Company's financial position as at 30 June 2017 and of its performance for the year ended on that date; and
- b Complying with Australian Accounting Standards – Reduced Disclosure Requirements and the *Corporations Regulations 2001*.

Basis for Opinion

We conducted our audit in accordance with Australian Auditing Standards. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Report* section of our report. We are independent of the Company in accordance with the *Corporations Act 2001* and the ethical requirements of the Accounting Professional and Ethical Standards Board's APES 110 *Code of Ethics for Professional Accountants* (the Code) that are relevant to our audit of the financial report in Australia. We have also fulfilled our other ethical responsibilities in accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Grant Thornton Audit Pty Ltd ACN 130 913 594
a subsidiary or related entity of Grant Thornton Australia Ltd ABN 41 127 556 389

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Information Other than the Financial Report and Auditor's Report Thereon

The Directors are responsible for the other information. The other information comprises the information included in the Company's Director's report for the year ended 30 June 2017, but does not include the financial report and our auditor's report thereon.

Our opinion on the financial report does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial report, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial report or our knowledge obtained in the audit or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of the Directors' for the Financial Report

The Directors of the Company are responsible for the preparation of the financial report that gives a true and fair view in accordance with Australian Accounting Standards – Reduced Disclosure Requirements and the *Corporations Act 2001*. The Directors' responsibility also includes such internal control as the Directors determine is necessary to enable the preparation of the financial report that gives a true and fair view and is free from material misstatement, whether due to fraud or error.

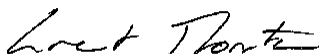
In preparing the financial report, the Directors are responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Directors either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Financial Report

Our objectives are to obtain reasonable assurance about whether the financial report as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this financial report.

A further description of our responsibilities for the audit of the financial report is located at the Auditing and Assurance Standards Board website at:

http://www.auasb.gov.au/auditors_responsibilities/ar4.pdf. This description forms part of our auditor's report.



GRANT THORNTON AUDIT PTY LTD
Chartered Accountants



A F Newman
Partner - Audit & Assurance

Brisbane, 30 October 2017

B.M.D. Constructions Pty. Limited

Financial Report

for the year to 30/06/2018



B.M.D. CONSTRUCTIONS PTY. LIMITED
ABN: 59 010 126 100

INCOME STATEMENT

FOR THE YEAR TO 30/06/2018

	Economic Entity
Note	30/06/2018
	\$ 000's
Revenue	
Revenue from construction services	709,618
Revenue from property sales	-
Revenue from consulting services	-
Total Revenue	709,618
Cost of Sales	
Construction expenses	(688,500)
Cost of properties sold	-
Consulting expenses	-
Total Cost of Sales	(688,500)
Gross Profit	21,118
Other revenues	15,603
Administration expenses	(8,813)
Employee benefits expense	(38,243)
Depreciation and amortisation	(3,452)
Finance costs	(84)
Writedown of inventory to net realisable value	-
Impairment of loans receivable	-
Impairment of goodwill	-
Other expenses	(1,957)
Total Expenses	(36,946)
Profit / (Loss) before income tax expense	(15,828)
Income tax benefit / (expense)	(2)
Profit attributable to members of the parent entity	(15,830)

B.M.D. CONSTRUCTIONS PTY. LIMITED
ABN: 59 010 126 100

BALANCE SHEET
AS AT 30/06/2018

	Note	Economic Entity
		30/06/2018 \$ 000's
Current assets		
Cash and cash equivalents		27,297
Trade and other receivables		223,528
Inventories		469
Other assets		5,297
Total current assets		256,591
Non-current assets		
Trade and other receivables		1,981
Inventories		-
Financial assets		6,034
Property, plant & equipment		7,822
Deferred tax assets		9,284
Intangible assets		378
Total non-current assets		25,499
Total assets		282,090
Current liabilities		
Trade & other payables		181,696
Financial liabilities		-
Current tax liabilities		-
Employee benefits		21,925
Total current liabilities		203,621
Non-current liabilities		
Trade & other payables		-
Financial liabilities		-
Deferred tax liabilities		4,996
Employee benefits		1,721
Total non-current liabilities		6,717
Total liabilities		210,338
Net assets		71,752
Equity		
Issued capital		25,100
Asset revaluation reserve		-
Retained earnings		46,652
Total equity		71,752

B.M.D. CONSTRUCTIONS PTY. LIMITED
ABN: 59 010 126 100

CASH FLOW STATEMENT

As at 30 June, 2018

	Note	Economic Entity
		June, 2018 \$ 000's
Cash flows from operating activities		
Receipts from customers		694,630
Project management fees received		-
Payments to suppliers and employees		(717,730)
Share of profit from joint ventures		-
Dividends received		-
Interest received		292
Finance costs paid		(84)
Consideration for tax losses		-
Income tax received / (paid)		(841)
Net cash provided by operating activities		(23,733)
Cash flows from investing activities		
Proceeds on sale of non-current assets		389
Purchase of property, plant and equipment		(4,678)
Purchase of Investments		25,000
Acquisition of subsidiaries		-
Net advances received from / (paid to) other related entities		(74,736)
Loans to related parties - joint ventures		
- payments made		-
- proceeds from repayments		900
Net cash provided (used in) investing activities		(53,125)
Cash flows from financing activities		
Proceeds from borrowings		-
Repayment of borrowings		-
Repayment of borrowings - leases		-
Dividends paid		-
Net cash provided (used in) financing activities		-
Net increase/(decrease) in cash held		(76,858)
Cash at the beginning of the financial year		104,155
Cash at the end of the financial year		27,297

B.M.D. CONSTRUCTIONS PTY. LIMITED
ABN: 59 010 126 100

STATEMENT OF CHANGES IN EQUITY

AS AT 30/06/2018

	Share Capital \$ 000's	Asset Revaluation Reserve \$ 000's	Retained Earnings \$ 000's	Total Equity \$ 000's
Economic Entity				
Balance as at 1/7/2016	100	-	73,132	73,232
Revaluation increment/(decrement)	-	-	-	-
Profit attributable to members of parent entity	-	-	(10,650)	(10,650)
Subtotal	100	-	62,482	62,582
Dividends paid or provided for	-	-	-	-
Balance as at 30/6/2017	100	-	62,482	62,582
Issue of additional shares	25,000	-	-	25,000
Profit attributable to members of parent entity	-	-	(15,830)	(15,830)
Subtotal	25,100	-	46,652	71,752
Dividends paid or provided for	-	-	-	-
Balance as at 30/06/2018	25,100	-	46,652	71,752



Appendix B



Certificates of Currency of Insurance
Public and Products Liability



22 August 2017

To Whom it May Concern,

Jardine Lloyd Thompson Pty Ltd
ABN 69 009 098 864
27 Evelyn Street
NEWSTEAD QLD 4006
PO Box 2321
FORTITUDE VALLEY BC QLD 4006
Tel +61 7 3246 7555
Fax +61 7 3246 7590
www.au.jlt.com

Certificate of Currency

Our Ref: 076055

INSURANCE CLASS

Public & Products Liability

INSURED

BMD Constructions Pty Ltd

This Policy also insures other parties as specified in the definition of the Insured herein.

INSURED OPERATIONS

Option 2 - All Contracts 'Turnover Basis'

All works of any kind or description undertaken by or on behalf of the Named Insured and:

1. commenced during the Period of Insurance; or
2. commenced prior to and not completed at the inception of this Policy (or any renewal thereof);

but shall not include Excluded Contracts, except in accordance with the provisions of clause 33 unless endorsed onto this Policy.

PERIOD OF INSURANCE

From: 31 August 2017 at 4:00pm Local Time (QLD).

To: 30 September 2018 at 4:00pm Local Time (QLD).

DEFECTS LIABILITY PERIOD 24 months

GEOGRAPHICAL SCOPE

Anywhere in the world but excluding any operations of the Insured domiciled in the United States of America or Canada.

Notwithstanding the above, indemnity is provided in respect of:

1. Insured persons temporarily located in such countries for the purpose of the Business or Insured Operations;
2. Products exported into those countries.

LIMITS OF LIABILITY

(clause 16)

Limit of Liability each Occurrence and in the aggregate during the Period of Insurance for all Occurrences in respect of Products only: \$100,000,000.00

Clause 2 - Defence and other costs are in addition to these limits.

INSURER

Liberty International Underwriters
Catlin Australia Pty Limited

PROPORTION

100.000% - of Primary
100.000% - of Umbrella

POLICY NUMBER

BN-CAS-13-410736/7
143909

This certificate of currency provides a summary of the policy cover and is current on the date of issue. It is not intended to amend, extend, replace or override the policy terms and conditions contained in the actual policy document. This certificate of currency is issued as a matter of information only and confers no rights upon the certificate holder. We accept no responsibility whatsoever for any inadvertent or negligent act, error or omission on our part in preparing these statements or in transmitting this certificate by email or for any loss, damage or expense thereby occasioned to any recipient of this letter.



Tanya Hawkshaw
Account Executive - Construction



Certificates of Currency of Insurance
Return to Work SA

Sensitive: Personal



16 July 2018

BMD Constructions Pty Ltd
Att: John Mulder
PO Box 197
WYNNUM QLD 4178

Dear employer

Certificate of registration - Employer number: 18849606

Please find enclosed a certificate of registration as requested.

If you require any further assistance or information, please contact us on 13 18 55 or by email to info@rtwsa.com.

Yours sincerely

A handwritten signature in black ink, appearing to read "K Foundas".

Karen Foundas
Manager, Premiums

Certificate of registration

Return to Work Act 2014

Employer number 18849606
Employer name BMD Constructions Pty Ltd
Trading name BMD Constructions Pty Ltd

Date of issue: 16 July 2018

Statement of coverage valid until 30 June 2019

This employer is registered as an employer under the *Return to Work Act 2014* (the Act).

BMD Constructions Pty Ltd is registered from 15/11/2002

The information provided in this Certificate of registration is correct at the date of issue.

Important information

A certificate of registration is issued in South Australia to certify that an employer is registered under the Act. This certification is valid until 30 June 2019 or until BMD Constructions Pty Ltd ceases to be an employer who is required to be registered under the Act.

If there are any errors on this form, please inform ReturnToWorkSA within 30 calendar days. If you do not do this, under section 165(6) of the Act a maximum penalty of \$5,000 may apply.

A copy of this certificate must be produced by an employer within 5 business days of a request by a person authorised under section 165(8) of the Act. Failure to do so may result in a maximum penalty of \$1,000 under section 165(3) of the Act.

A person who fraudulently alters a certificate of registration is guilty of an offence. A maximum penalty of \$25,000 under section 165(5) of the Act may apply.

If you require any further assistance or information, please contact ReturnToWorkSA on 13 18 55 or by email to info@rtwsa.com.



Certificates of Currency of Insurance
Contract Works



25 September 2017

To Whom it May Concern,

Jardine Lloyd Thompson Pty Ltd
ABN 69 009 098 864
27 Evelyn Street
NEWSTEAD QLD 4006
PO Box 2321
FORTITUDE VALLEY BC QLD 4006
Tel +61 7 3246 7555
Fax +61 7 3246 7590
www.au.jlt.com

Certificate of Currency

Our Ref: 076046

INSURANCE CLASS	Contract Works	
INSURED	BMD Constructions Pty Ltd	
INSURED OPERATIONS	All Contracts 'Turnover Basis' All works of any kind or description undertaken by or on behalf of the Named Insured and: <ol style="list-style-type: none">1. commenced during the Period of Insurance; or2. commenced prior to and not completed at the inception of this Policy (or any renewal thereof); but shall not include Excluded Contracts, except in accordance with the provisions of clause 43 unless endorsed onto this Policy.	
PERIOD OF INSURANCE	From: 30 September 2017 at 4 PM Local Time (QLD). To: 30 September 2018 at 4 PM Local Time (QLD).	
DEFECTS LIABILITY PERIOD	24 months in respect of the initial Defects Liability Period.	
GEOGRAPHICAL SCOPE	Australia	
LIMITS OF LIABILITY (clause 22)	Limit of Liability any one Occurrence at any one situation: Contract Works \$50,000,000.00	
INSURER Zurich Insurance PLC	PROPORTION 100.000%	POLICY NUMBER LB1732517

This certificate of currency provides a summary of the policy cover and is current on the date of issue. It is not intended to amend, extend, replace or override the policy terms and conditions contained in the actual policy document. This certificate of currency is issued as a matter of information only and confers no rights upon the certificate holder. We accept no responsibility whatsoever for any inadvertent or negligent act, error or omission on our part in preparing these statements or in transmitting this certificate by email or for any loss, damage or expense thereby occasioned to any recipient of this letter.

A handwritten signature in black ink, appearing to read 'Tanya Hawkshaw', with a stylized flourish at the end.

Tanya Hawkshaw
Account Executive - Construction



Certificates of Currency of Insurance
Construction Plant and Equipment



7 September 2017

Jardine Lloyd Thompson Pty Ltd
ABN 69 009 098 864

27 Evelyn Street
NEWSTEAD QLD 4006
PO Box 2321
Fortitude Valley BC QLD 4006

Tel +61 7 3246 7555
Fax +61 7 3246 7590

www.au.jlt.com

To Whom it May Concern,

Certificate of Currency

Our Ref: 076046

INSURANCE CLASS	Construction Plant and Equipment	
INSURED	BMD Constructions Pty Ltd	
PERIOD OF INSURANCE	From: 30 September 2017 at 4 PM Local Time (QLD). To: 30 September 2018 at 4 PM Local Time (QLD).	
GEOGRAPHICAL SCOPE	Australia	
LIMITS OF LIABILITY (clause 22)	Construction Plant and Equipment (No automatic cover for mobile, self-propelled or lifting/hoisting equipment) \$100,000 each and every loss, \$300,000 in the aggregate	
POLICY WORDING	JLT Construction Annual Insurance Policy – Material Damage	
INSURER Zurich Insurance PLC	PROPORTION 100%	POLICY NUMBER LB1732517

This certificate of currency provides a summary of the policy cover and is current on the date of issue. It is not intended to amend, extend, replace or override the policy terms and conditions contained in the actual policy document. This certificate of currency is issued as a matter of information only and confers no rights upon the certificate holder. We accept no responsibility whatsoever for any inadvertent or negligent act, error or omission on our part in preparing these statements or in transmitting this certificate by email or for any loss, damage or expense thereby occasioned to any recipient of this letter.

Tanya Hawkshaw
Account Executive - Construction



Certificates of Currency of Insurance
Motor Vehicle



25 September 2017

To Whom it May Concern,

Jardine Lloyd Thompson Pty Ltd
ABN 69 009 098 864
27 Evelyn Street
NEWSTEAD QLD 4006
PO Box 2321
FORTITUDE VALLEY BC QLD 4006
Tel +61 7 3246 7555
Fax +61 7 3246 7590
www.au.jlt.com

Certificate of Currency

Our Ref: 076068

INSURANCE CLASS	Motor Vehicle
INSURED	BMD Constructions Pty Ltd
GEOGRAPHICAL SCOPE	Australia
PERIOD OF INSURANCE	From: 30 September 2017 at 4 PM Local Time (QLD). To: 30 September 2018 at 4 PM Local Time (QLD).
INTEREST INSURED	Section 1: Loss or damage to the vehicle. Section 2: Third Party Property Damage Liability All motor vehicles owned, on loan, leased, hired, rented or used by the Insured The term "motor vehicle/s" used is deemed to include vehicles and trailers of every description including accessories, apparatus and equipment of the Insured and/or their employees used in or on vehicles and trailers insured.
LIMITS OF LIABILITY	Section 1 (for vehicles with Comprehensive cover only): Motorcycle, car, 4WD, utility or van of not more than 2 tonne carrying capacity: Market value Section 2 \$30,000,000 but limited to \$1,000,000 for any dangerous goods carrying vehicles, for all claims arising from the one accident or series of accidents resulting from the one original cause (as defined in this section of the policy)
SUB-LIMITS OF LIABILITY	Automatic Additions up to \$500,000

INSURER
AAI Limited T/As Vero Insurance

PROPORTION
100.000%

POLICY NUMBER
CAS020889019

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Tanya Hawkshaw
Account Executive - Construction



Appendix C



Alcohol and Drugs in the Workplace Policy

This policy encompasses all BMD Group subsidiaries including BMD Constructions, BMD Urban, Empower, JMac Constructions and Urbex. For ease of reference, the term 'BMD' is used throughout this policy to reference the BMD Group and its subsidiaries. This policy also applies to projects involving BMD being carried-out under a joint venture arrangement where no other policy of this type exists.

This policy is to be read in conjunction with the BMD Safety Policy.

All workers employed by BMD (including visitors, delivery drivers and persons under BMD's control at BMD workplaces) are required to adhere to this policy.

Under all State and Territory occupational health and safety acts, BMD has an obligation to provide a safe working environment and system of work for all workers covered by its obligations. As such, workers are not to be adversely affected by alcohol or drugs (illegal or prescribed) during working hours and/or whilst at a BMD workplace. Workers must at all times carry out their duties and responsibilities in a safe manner for themselves and for others.

Workers under the influence of alcohol or impaired by drugs (illegal or prescribed) or with a Breath Alcohol Concentration (BrAC) in excess of the specified level as detailed below, will be considered unfit for work at a BMD workplace or not fit to be present at the workplace. Should a worker be unfit for work, they will be required to remove themselves from the workplace or may be subject to a direction to leave the workplace by safe and appropriate means.

BMD reserves the right to introduce drug and alcohol testing for all workers at sites and offices on a random or with cause basis. For work sites, BMD requires workers to have a Breath Alcohol Concentration (BrAC) of zero percent due to the number of high risk activities performed on projects. For offsite and office situations (where and when workers are not involved in high risk activities), BMD requires workers to have a BrAC of below 0.05%. However, if the worker is required to undertake any driving of a motor vehicle in the course of their work, then BMD requires their BrAC to be the lower of the above limits and the BrAC levels prescribed under the applicable traffic laws of the state, (e.g. the BMD employee is an office based worker but is required to drive as part of work duties and under their driver's licence they are required to have a BrAC of zero percent, then the employee's required BrAC under this policy is zero percent, not 0.05%).

Where applicable, BMD will also comply with the requirements of a client, principal contractor or joint venture partner's drug and alcohol/fitness for work program and/or policies.

Workers taking prescription medication that may adversely affect their ability to drive or operate plant or equipment must notify their supervisor so that appropriate precautions or duty modifications can be implemented.

Any breach of the above policy by a BMD employee will be viewed as serious misconduct and may result in dismissal. Any breach of the above policy by a person other than a BMD employee may result in BMD taking appropriate steps to remove the person from the workplace or to exclude the person from the workplace on a temporary or permanent basis.

Scott Power
Group Executive Director - Operations

Mick Power, AM
Group Board Chairman and Managing Director





Environmental Policy

This policy encompasses all BMD Group subsidiaries including BMD Constructions, BMD Urban, Empower, JMac Constructions and Urbex. This Policy also applies to projects involving BMD being carried-out under a joint venture arrangement where no other policy of this type exists.

For ease of reference, the term 'BMD' is used throughout this policy to reference the BMD Group and its subsidiaries and/or joint ventures.

Based on the BMD Values and commitment to Zero Harm, we aim to provide best practice engineering solutions based on sustainable environmental management principles and practices.

The BMD Group is dedicated to preventing environmental harm to the ecosystems and communities in which we operate and continually improving our environmental performance.

To ensure our objectives and targets are met and/or exceeded, BMD will:

- Ensure compliance with the relevant environmental management legislation, regulations and codes of practice mandated within the states and territories in which we operate;
- Develop and sustain a culture of environmental awareness within our workforce;
- Ensure compliance with project and client environmental requirements and specifications;
- Identify all environmental aspects and impacts relating to our operations and use a risk based approach to implement appropriate mitigation measures;
- Undertake continual monitoring, measurement and improvement of environmental controls across the Group;
- Undertake reporting of all environmental incidents;
- Develop environmental management systems that meet the ISO14001 standard and implement them across the BMD Group;
- Support all workers in the implementation of environmental procedures and processes; and,
- Increase the environmental awareness of workers and subcontractors through training and other programs.

This Policy applies to all workers, subcontractors and visitors to BMD sites. It is the responsibility of these parties to:

- Understand and apply the required environmental statutory obligations, business policies, procedures and associated documentation as it applies to their scope of work; and,
- Have input into the continual improvement of the Environmental Management System.

Through the leadership of its Senior Management, BMD shall strive to implement industry best practice across all operations.

Scott Power
Group Executive Director - Operations

T

Mick Power, AM
Group Board Chairman & Managing Director



Fatigue Management Policy

This policy encompasses all BMD Group subsidiaries including BMD Constructions, BMD Urban, Empower, JMac Constructions and Urbex. For ease of reference, the term 'BMD' is used throughout this policy to reference the BMD Group and its subsidiaries. This policy also applies to projects involving BMD being carried-out under a joint venture arrangement where no other policy of this type exists.

This policy is to be read in conjunction with the BMD Safety Policy.

This policy applies to all employees and all other persons present at a BMD workplace. This policy is part of BMD's commitment to ensuring the health and safety of workers, and to prevent and manage risk associated with fatigue, regardless of whether workers complete work on site or off site.

This policy has been introduced to protect workers from the effects of fatigue brought on by the disruptions to the body's natural sleep pattern (circadian rhythms) that may have adverse effects on functions like memory, concentration, reaction time and manual dexterity.

It is BMD policy that all workers at BMD workplaces have at least a 10-hour uninterrupted break between periods of normal allocated work. This is to allow workers adequate rest and relaxation time between periods of work.

Short Term Night Works

The Project Manager or other authorised delegate or representative of BMD responsible for the BMD workplace ("Delegate") determines the need to commit workers to short term night work (STNW) by assessing if the work:

- is urgent
- can be done within ordinary work hours on another occasion
- is required to be done because of some applicable contract or agreement
- is required to make the workplace safe
- requires a full shift to complete
- can be done by third parties under an existing arrangement or agreement.

If the Delegate determines that, on balance, STNW is required, the Delegate will ensure that all workers involved:

- receive fatigue identification and management training prior to commencing any STNW
- are appropriately rostered by reference to this policy and any applicable award under the Fair Work Act 2009 or applicable industrial instrument.

Long Term Night Works

In relation to long term night works, the Delegate will:

- implement training sessions to educate workers on fatigue identification and management
- ensure that the fatigue identification and management training session is delivered as a pre-work toolbox meeting where appropriate
- encourage workers to report situations where they have the potential to be affected by fatigue
- encourage workers to participate in risk assessments of potentially hazardous situations
- ensure control measures to manage fatigue are discussed, agreed upon and implemented by work teams.

During periods of work where fatigue has been assessed as being a potential factor that may impact on a workers' wellbeing, the Delegate will:



- make workers aware of the signs of fatigue before they commence work on site
- plan the allocation of work to allow for adequate rest between allocated hours of work
- ensure that work hours are distributed evenly among the team members, subject to workplace needs as to skills, qualifications, certifications and work classifications.

Where applicable, BMD will also comply with the requirements of a client, principal contractor or joint venture partner's fatigue management/fitness for work program and/or policies.

Scott Power
Group Executive Director - Operations

Mick Power, AM
Group Board Chairman and Managing Director



Heat Stress Management Policy

This policy encompasses all BMD Group subsidiaries including BMD Constructions, BMD Urban, Empower, JMac Constructions and Urbex. For ease of reference, the term 'BMD' is used throughout this policy to reference the BMD Group and its subsidiaries. This policy also applies to projects involving BMD being carried-out under a joint venture arrangement where no other policy of this type exists.

This policy is to be read in conjunction with the BMD Group Safety Policy.

Procedure

BMD will:

- develop and maintain a short training session to educate workers on heat stress
- ensure that the Foremen present the training session to site workers as a toolbox talk at the beginning of the summer months
- continue to use toolbox talks to reinforce the importance of reporting hazards or hazardous situations on site
- encourage workers to report situations that have the potential to cause heat stress
- encourage workers to participate in risk assessments of potentially hazardous situations
- ensure that agreed control measures are implemented.

During periods of high potential for heat stress to occur the Foremen will:

- make workers aware of the symptoms and signs of heat stress before they commence work onsite
- instruct workers to wear appropriate clothing for the work that they are undertaking, e.g. a hat, and clothing that allows air circulation and sweat evaporation to take place
- allow workers to become acclimatised to the work environment before assigning the worker to undertake heavy work
- ensure that workers are adequately supervised during work so that they can pace their activities to the conditions on the day and their physical condition
- make available to workers an adequate supply of clean, cool drinking water for consumption during work on site, and encourage regular intake of water at about 15 to 20-minute intervals.

Foremen are authorised to:

- allow early start and finish times depending on the activity and the potential impact on the projects neighbours
- plan the work so that heavy tasks are completed in the cooler periods of the day
- utilise available shade for workers to complete tasks
- erect shade for workers where practical
- arrange for workers to rotate tasks to spread the work load evenly between the work team
- plan the work day to allow workers to leave after an eight-hour shift, if determined by a risk assessment
- supply a ventilation fan for workers who are engaged in manhole construction or similar activities during high risk weather periods
- modify the rate at which work is to be performed.

Heat Illness and First Aid

Prickly heat is an itchy red rash on the skin. Heat fainting is caused when blood vessels in the extremities dilate and cause a reduced blood flow back to the heart. Heat cramps are painful muscle cramps that can occur alone or in combination with other heat disorders. Heat exhaustion is a serious illness that may



progress to heat stroke where the person may complain of weakness and/or nausea and/or giddiness and appears pale, breathless and exhausted. First aid for these conditions should include:

- laying the person in the shade
- discard clothing
- provide cool water
- fan vigorously.

Heat stroke is a true medical emergency where the person becomes confused, staggers and may collapse. The skin may be moist or dry (no sweating, in which case cooling does not occur). The effected person may also be incoherent or speech slurred as if under the influence of alcohol. This condition must be managed as a genuine medical emergency. First aid for this condition is:

- remove clothing
- wet skin
- fan vigorously to increase evaporation (preferably in a shaded area)
- call an ambulance immediately.

Scott Power
Group Executive Director - Operations

Mick Power, AM
Group Board Chairman and Managing Director



E

Quality Policy

This policy encompasses all BMD Group subsidiaries including BMD Constructions, BMD Urban, Empower Engineers & Project Managers, JMac Constructions and Urbex. For ease of reference, the term 'BMD' is used throughout this policy to reference the BMD Group and its subsidiaries. This policy also applies to projects involving BMD being carried-out under a joint venture arrangement where no other policy of this type exists.

BMD workers, including contractors, are committed to the quality of our service and stated quality objectives by:

- ensuring our Quality Management System meets or exceeds the requirements of our clients, as well as legal and regulatory obligations
- maintaining a Quality Management System to meet or exceed the requirements of the ISO 9001:2015 Standard
- continually reviewing and improving the effectiveness of our management system
- the Business Management Systems team periodically reviewing the performance of the management system and quality objectives
- develop and sustain a culture that continuously strives to succeed in providing quality products and services
- ensuring the Quality Policy is communicated and available to our workers, and reviewed by the management team for continuing suitability
- maintaining a profitable operation to establish our competitive position in the market and reward our stakeholders
- promoting the Quality Management System by ensuring effective implementation and training is provided. Review of the effectiveness is achieved by undertaking internal auditing, management review, corrective and preventative actions.

It is the responsibility of every worker within BMD to:

- understand and apply the required statutory obligations, business policies, procedures and associated documentation as described in the Business Management Systems as it applies to their scope of work
- have input into the continued improvement of the Business Management System.

Scott Power
Group Executive Director - Operations

Mick Power, AM
Group Board Chairman and Managing Director





Rehabilitation Policy

This policy encompasses all BMD Group subsidiaries including BMD Constructions, BMD Urban, Empower, JMac Constructions and Urbex. For ease of reference, the term 'BMD' is used throughout this policy to reference the BMD Group and its subsidiaries. This policy also applies to projects involving BMD being carried-out under a joint venture arrangement where no other policy of this type exists.

This site-specific policy is to be read in conjunction with the BMD Safety Policy.

BMD is committed to:

- preventing injury and illness by providing a safe and healthy working environment for our employees, our subcontractors and their employees;
- ensuring that all BMD employees are made aware of their rights and responsibilities under the relevant state legislation;
- ensuring that any employee who suffers an occupational injury or illness receives early medical diagnosis and treatment;
- providing all necessary resources for the establishment of an integrated rehabilitation; program for all employees, and ensuring that any sick or injured employee enters the occupational rehabilitation process as soon as possible, in a manner consistent with medical judgment.

It is acknowledged that by creating a workplace climate that supports workplace based rehabilitation, a timely and safe return to work by an injured or ill employee is a normal practice and expectation. Consistent with this commitment, BMD will endeavour to provide suitable duties that are consistent with the injured worker's capabilities to enable partially incapacitated employees an early return to work.

BMD is also committed to:

- ensuring that participation in a rehabilitation program will not, of itself, prejudice an injured or ill employee and expects all employees to cooperate with our rehabilitation efforts;
- consultations with its employees and, where appropriate, with industrial union representing those employees in developing rehabilitation programs.

When returning to work is not possible, BMD is committed to ensuring that various agencies assist the injured or ill employee in returning to a meaningful and fulfilling role within the community.

Scott Power
Group Executive Director - Operations

Mick Power, AM
Group Board Chairman and Managing Director



Safety Policy

This policy encompasses all BMD Group subsidiaries including BMD Constructions, BMD Urban, Empower, JMac Constructions and Urbex. For ease of reference, the term 'BMD' is used throughout this policy to reference the BMD Group and its subsidiaries. This policy also applies to projects involving BMD being carried-out under a joint venture arrangement where no other policy of this type exists.

Safety is of paramount importance at every BMD workplace and is not to be compromised. Based on our aims, obligations and non-negotiable attitude, it is a core facet of our operations that we remain committed to offering a safe working environment for all workers.

BMD is committed to reducing, and wherever possible removing, injury and illness from the workplace. One of our objectives through our Zero Harm goal is to strive to ensure that every person who comes into contact with our business remains safe and in good health whilst in our care. Therefore, it is essential and non-negotiable that all BMD workers (including staff, both permanent and temporary) and our contractors, consultants, suppliers and their workers are responsible for:

- complying with the relevant Health, Safety and the Chain of Responsibility legislation, regulations and Codes of Practice mandated within the state or territory in which they work
- working safely for yourselves and all others
- complying with BMD's procedures and requirements including but not limited to the Safety Management Plan and/or Integrated Project Management Plan as applicable
- reporting any unsafe conditions or situations as soon as they arise
- under no circumstances can another employee direct you to undertake unsafe work practices. Should this situation arise, politely refuse, stating why you view the task as unsafe and contact your supervisor or safety representative.

To meet and exceed our workplace health and safety obligations, we will:

- assess and mitigate risks that may occur as a result of hazards
- ensure that only proper safety equipment fit for the task is obtained and available to all staff
- provide induction, information, instruction, training and supervision to ensure a safe work environment
- develop a culture of health and safety awareness within our workforce
- consider occupational health and safety (OHS) performance when selecting contractors, subcontractors, consultants and suppliers
- ensure compliance with our Chain of Responsibility obligations
- support all workers in the implementation of safe work procedures and practices
- keep relevant records.

BMD Constructions, BMD Urban, JMac Constructions and Empower Businesses currently hold a number of industry recognised multi-site certifications for Safety Management Systems, as part of their Business Management System. In addition, BMD Constructions and BMD Urban are audited by the Federal Safety Office in accordance with the Australian Government Building and Construction OHS Accreditation Scheme.

Scott Power
Group Executive Director - Operations

Mick Power, AM
Group Board Chairman and Managing Director

Certificate AU03/1821



The management system of

BMD Constructions Pty Ltd

1 Sandpiper Avenue, Port of Brisbane, QLD 4178
Australia



has been assessed and certified as meeting the requirements of

AS/NZS 4801:2001

For the following activities

**Provision of Building, Civil, Mechanical, Engineering, Structural,
Consulting Services, Project Management, Water & Sewer,
Landscaping, Design and Contracting Services**

This certificate is valid from 29/04/2016 until 16/04/2018 and
remains valid subject to satisfactory surveillance audits.
Re certification audit due before 17/03/2018
Issue 11. Certified since 5 November 2003

This is a multi-site certification.
Additional site details are listed on the subsequent page.

Authorised by

SGS Systems & Services Certification Pty Ltd
10/585 Blackburn Road Notting Hill VIC 3168 Australia
t +61 3 9790 3400 f +61 3 9701 0988 www.au.sgs.com
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BMD Constructions Pty Ltd

AS/NZS 4801:2001

Issue 11



Additional facilities

Level 1, 57 Mitchell Street, North Ward, Townsville, QLD 4810

24-30 Camberwell Road, Hawthorn East, VIC 3123

Level 3, 3 The Crescent, Homebush Bay, NSW 2127

45 Greenhill Rd , Wayville , SA 5034

1 Sandpiper Avenue, Port of Brisbane, QLD 4178

Unit 7, 189 Flemington Road, Mitchell, ACT 2911

39 Georgina Crescrent, Yarrowonga, NT 0830

Unit 13, 44 Belmont Avenue, Rivervale, WA 6103

JAS-ANZ



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Certificate AU14/4507



The management system of

BMD Constructions Pty Ltd

25 Cambridge Parade, Manly, QLD 4179
Australia



has been assessed and certified as meeting the requirements of

AS/NZS ISO 14001:2004

For the following activities

**Provision of Building, Civil, Mechanical, Engineering, Structural,
Consulting Services, Project Management, Water & Sewer,
Landscaping, Design and Contracting Services.**

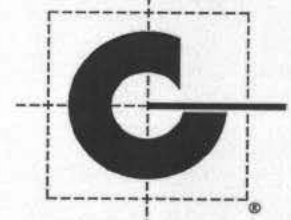
This certificate is valid from 17/04/2015 until 16/04/2018 and
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Issue 2. Certified since 17 April 2000

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BMD Constructions Pty Ltd

AS/NZS ISO 14001:2004

Issue 2



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24-30 Camberwell Road, Hawthorn East, VIC 3123

Level 3, 3 The Crescent, Homebush Bay, NSW 2127

363 Montague Road, West End, Brisbane, QLD 4101

45 Greenhill Rd, Wayville, SA 5034

Unit 2, 53 Metroplex Avenue, Murrarie, QLD 4179

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The management system of

BMD Constructions Pty Ltd

25 Cambridge Parade, Manly, QLD 4179
Australia



has been assessed and certified as meeting the requirements of

AS/NZS ISO 9001:2008

For the following activities

**Provision of Building, Civil, Mechanical, Engineering, Structural,
Consulting Services, Project Management, Water & Sewer,
Landscaping, Design and Contracting Services.**

Further clarifications regarding the scope of this certificate and the applicability of ISO-9001:2008 requirements may be obtained by consulting the organisation.

This certificate is valid from 17/04/2015 until 16/04/2018 and remains valid subject to satisfactory surveillance audits.

Re certification audit due before 17/03/2018

Issue 2. Certified since 22 May 1997

This is a multi-site certification. Additional site details are listed on the subsequent page.

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BMD Constructions Pty Ltd

AS/NZS ISO 9001:2008

Issue 2



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Incident and Accident Management Business Management System (BMS) Group Standard





Incident and Accident Management Business Management System (BMS) Group Standard Document No.: HEQ-STD-00057

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Incident and Accident Database Guideline

Business Management System (BMS) Group Guideline





Incident and Accident Database Guideline

BMS Group Guideline

Document No.: BSM-GLE-00908

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Risk Management
Business Management System (BMS) Group Standard





Risk Management
Business Management System Group (BMS) Standard
Document No.: HEQ-STD-00005

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ACTIVITY BASED CONVERSATION (ABC)



Date/Time:

/ /

am / pm

Project No./ Office:

Location:

Observer(s):

People involved:

What did you observe?

What did you talk about?

Please Circle:

Safe

Risk

Ref. Pictures: Y/N

STEPS OF THE JHA



JHA's are to be completed for every task. JHA's must be reviewed by the full team daily or on second RESTART and MUST be rewritten every seven (7) days or after an incident occurs.

- 1 Identify the current (including revision) Work Method Statement(s) and/or Core Operating Procedure(s) related to the task.
- 2 Steps, Hazards, Controls and Responsibilities:
 - 2a. List the tasks' major steps.
 - 2b. Identify the safety and environmental hazards associated with each step.
 - 2c. Follow the 'Hierarchy of Control' to determine controls needed to manage the hazards.
 - 2d. Identify person responsible for controls implemented.
- 3 Identify PPE and other defences needed.
- 4 List tools and equipment required for the task and the names of corresponding competent people.
- 5 Supervisor to answer Final Check Questions.
- 6 Team members read and confirm their understanding of the JHA.
- 7 Team Leader to initial review daily.

If in doubt, don't start. Talk to your supervisor and do not put you or your mates at risk.

PLANT AND PPE



3 Circle Required – Personal Protective Equipment (PPE)?		
Eye	Hearing	
Head	Fall	
Hand	Breathing	
Skin (Sun)	Thermal	
Feet	Other	

4 Tools, Equipment & Plant	Name of Competent Person



JHA SIGN ON



5 Are all workers fit for duty?	Y	N
Have all workers signed on to the current WMS and Prestart?	Y	N
Do plant operators hold VOCs?	Y	N
Have all the workers got the necessary PPE?	Y	N
Has the hierarchy of control been utilised (elimination → PPE)?	Y	N
Have all workers received the required training for the task?	Y	N
Have all workers viewed and signed the permits required for the task?	Y	N

6 I understand the hazards and controls identified in this JHA			
Print Name	Initial	Print Name	Initial

7 Team Leader Initial:							
------------------------	--	--	--	--	--	--	--

JOB HAZARD ANALYSIS CARD (JHA)



Supervisor: _____ Date: _____

Location: _____ Review Dates: _____

Task Description: _____

To fill out correctly, please follow the steps on the reverse side of this card.

1 Work Method Statement Reference / Core Operating Procedure Reference:

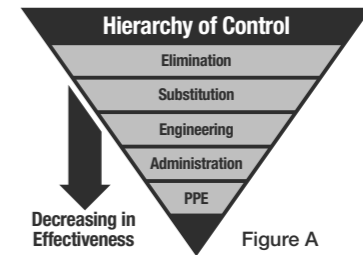


Figure A

Through our Zero Harm goal we strive to ensure that every person who comes into contact with our business remains safe and in good health whilst in our care. Jointly we are committed to minimising environmental harm through implementing best practice environmental management.



Work Method Statement - [Incorporating Health, Safety and Environmental Risks]

WMS No.:	2	Activity:	Earthworks and Roadworks		
Risk Register Reference:		Commencement Date:		Completion Date:	
BMD Project No.:				WMS Review Date:	
Project:				To be Reviewed By:	PM, HSE Team, Field Supervisors
Site Address:				Personnel Responsible for Monitoring this Activity:	Project Manager or Delegate
Employer:	BMD Constructions /Urban			Monitoring and Review Timeframe:	6 months
ABN:	59 010 126 100 / 65 158 035 539			<i>Maximum of 6 monthly</i>	

Legislative High Risk Activity? Yes No

WMS involves: (cross any applicable below)

1. A High Risk Construction Activity being a **Prescribed Activity:**

Asbestos Removal Demolition Other:

2. An Earthmoving, Particular Crane Operation or Elevated Work Platform

3. High Risk Construction Work

- | | | |
|--|---|--|
| <input type="checkbox"/> Work at 2m or more fall height | <input type="checkbox"/> Close proximity to services | <input type="checkbox"/> Work involving tilt-up or pre-cast concrete |
| <input type="checkbox"/> Using a hazardous substance (Part 7.1) | <input type="checkbox"/> Work on or near energised electrical installation | <input type="checkbox"/> Work on/near gas distribution main or consumer piping |
| <input type="checkbox"/> Work that could cause disturbance to Asbestos | <input type="checkbox"/> Work adjacent to a Road or Railway | <input type="checkbox"/> Work in artificial extreme temperatures |
| <input type="checkbox"/> Work in contaminated / flammable atmosphere | <input type="checkbox"/> Work in or near water or other liquids where there is a risk of drowning | <input type="checkbox"/> Structural alterations requiring support |
| <input type="checkbox"/> Movement of powered mobile plant | <input type="checkbox"/> Work in tunnel | <input type="checkbox"/> Demolition of a load bearing element of a structure |
| <input type="checkbox"/> Work in or near a confined space | <input type="checkbox"/> Work on telecommunication tower | <input type="checkbox"/> Work on / near chemical / fuel / refrigerant line |
| <input type="checkbox"/> Work in or near trench / shaft > 1.5m deep | <input type="checkbox"/> Using explosives | <input type="checkbox"/> Work involving Diving |
| <input type="checkbox"/> Scaffolding > 4 metres | <input type="checkbox"/> Forklift Truck Operation | <input type="checkbox"/> Dogging & Rigging |

References (Health, Safety and Environment) – List below

<i>Work Health and Safety (National Uniform Legislation) Act and Regulations</i>	<i>Code of Practice First Aid in the Workplace</i>	<i>Code of Practice Managing Electrical Risks at the Workplace</i>	BMD Policies
<i>SA Return to Work Act and Regulations</i>	<i>Code of Practice Fatigue Management</i>	<i>Code of Practice Managing Risks of Hazardous Chemicals in the Workplace</i>	BMD Mandatory HSE Instruction - Electrical Works Commissioning, Decommissioning
<i>Environment Protection and Biodiversity Conservation (EPBC) Act and Regulations</i>	<i>Code of Practice Hazardous Manual Tasks</i>	<i>Code of Practice Managing Noise and Preventing Hearing Loss at Work</i>	BMD Mandatory HSE Instruction - Fixed-Blade Knives
<i>SA Environment Protection Act and Regulations</i>	<i>Code of Practice How to Manage and Control Asbestos in the Workplace</i>	<i>Code of Practice Welding Processes</i>	BMD Mandatory HSE Instruction - Loading and Unloading of Material Delivery
<i>Code of Practice Construction Work</i>	<i>Code of Practice Managing the Work Environment and Facilities</i>		BMD Work Instruction – Site Establishment Connection to Temporary Power Supply
<i>Code of Practice How to Manage Work Health and Safety Risks</i>	<i>Code of Practice Managing Risks of Plant in the Workplace</i>	BMD Management Standards	BMD Site Shed Awnings Work Instruction
<i>Code of Practice Managing the Risk of Falls in the Workplace</i>	<i>Code of Practice Work Health and Safety Consultation , Cooperation and Coordination</i>	BMD Core Operating Procedures	BMD Site Setup & Establishment Group Guideline

Have additional sources of information to identify potential hazards been used in the development of this WMS? Yes No

Australian Standards for Personal Protection Equipment

(These sources may include but not limited to: legislation and safety alert, previous work history, incident trends, industry knowledge etc.)











Personnel Consulted during the initial development of this WMS

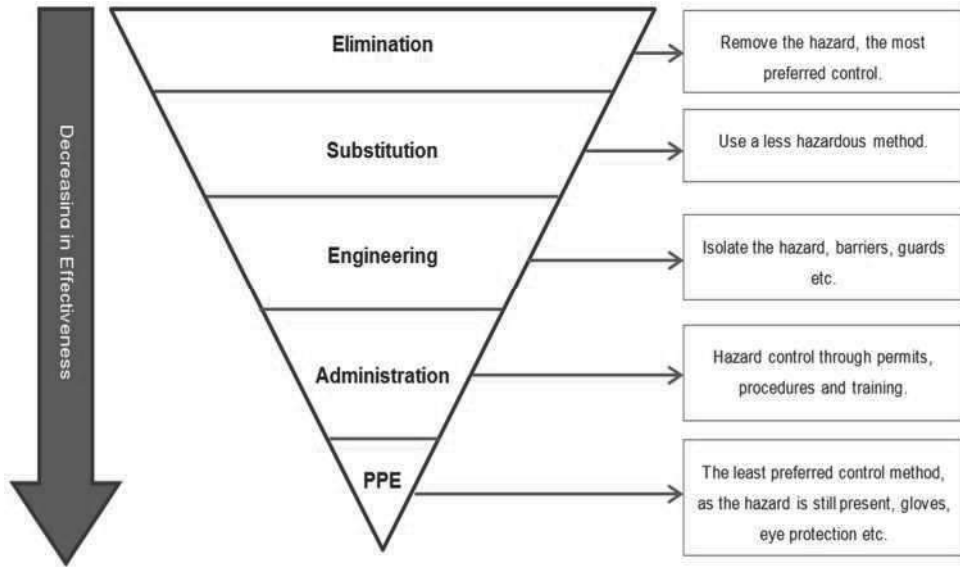
Position	Name	Signature	Date
Site Engineer:			Date:
Site Supervision:			Date:
Site Workers Representative:			Date:
			Date:
			Date:
Site Subcontractors Representative:			Date:

Project Approval

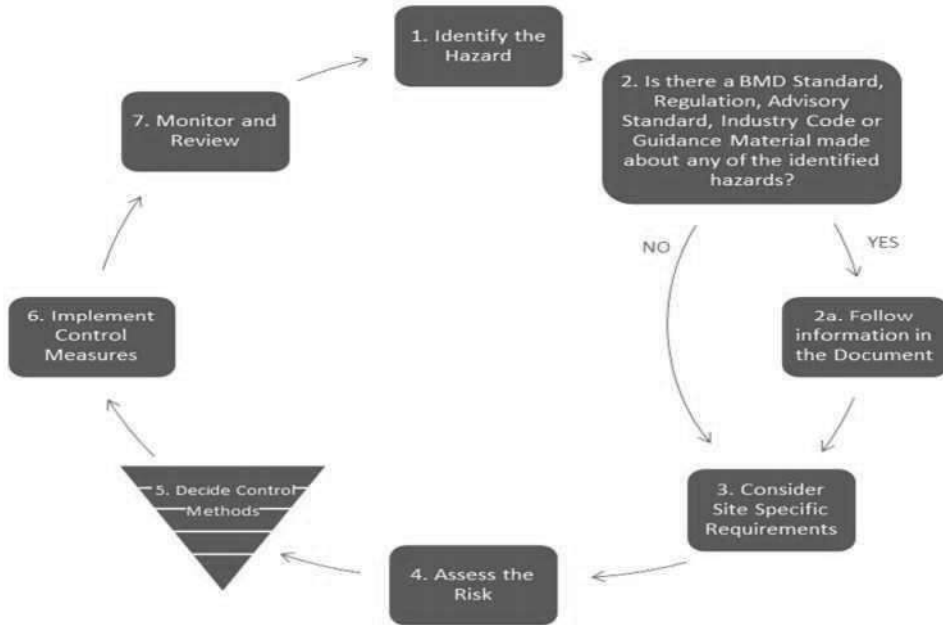
Site Safety/Environmental Representative:			Date:
BMD Site/Project Manager:			Date:



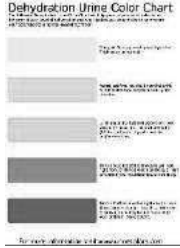
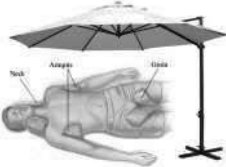

Equipment, Training and Qualifications







Plant and Equipment Required for this Activity			Personal Protective Equipment			
			MANDATORY	AS REQUIRED		
Hand Tools	EWP	Laser Survey Equipment	Safety Footwear		High Vis Vests	
Small Electrical Tools	Mobile Scaffolding	Rigging Gear				
Crane Trucks	Mobile Plant	Franner Crane	Hi Vis Long-sleeved shirt and Long Trousers		Welding PPE	
Quick Lift Tow Trucks	Water Truck	50t Crane				
Flat Bed Semi Trailers	Haul Truck	Ladders	Eye Protection		Sunscreen	
Lifting Equipment	Welder	Fire Extinguisher				
Wacka Packa/Vibration Plates			Hard Hat		Face shield	
			Gloves (Manual Handling Tasks)		Hearing Protection	
Specific Training Required for this Activity			Personal Qualifications Required for this Activity			
BMD Regional / Project Induction Site Specific Induction - Worker, Visitor, Delivery Driver Plant Risk Assessment SOP for particular plant BOLT Fitness For Work; Work Near Services; Plant & Equipment; Hazardous Manual Tasks; Activity Based Risk Management			General Construction Industry Induction High Risk Plant Licence – Dogman/Crane RTO Competency/Attainment for Trade / Licence / Mobile Plant BMD Operator Skills Assessment (OSA) for Particular Plant BMD Competency to Operate (CTO) for Particular small tools UETTDREL14A - Working safely near live electrical apparatus as a non-electrical worker Relevant Traffic Management Competencies			












Probability	Consequence				
	Negligible (1)	Minor (2)	Moderate (3)	Major (4)	Substantial (5)
Rare (1)	1	2	3	4	5
Unlikely (2)	2	4	6	8	10
Possible (3)	3	6	9	12	15
Likely (4)	4	8	12	16	20
Almost Certain (5)	5	10	15	20	25
Extreme	Further planning and notification to the next level of management is required to analyse control measure(s) and reduce this risk score. Work associated around this risk can <u>only</u> proceed with written authorisation at a General Manager level. (refer sect. 10.2 Risk Standard)				
High	Work can only proceed with written approval & reviewed by the Project Manager. (refer sect. 10.4 Risk Standard)				
Moderate	Managed by specific monitoring or response procedures.				
Low	Manage by routine procedure, no formal approval required.				













Recurring Hazard/Aspect (applies to all tasks)	Impact (what can go wrong)	RISK SCORE without Controls			Management Controls (controls to be in place in order to manage Health, Safety and Environmental Risks)	RISK SCORE with Controls			Person Responsible (to ensure controls are applied)	
		Cons	Prob	Risk		Cons	Prob	Risk		
BMD JHA Card is MANDATORY for all tasks										
Heat Stress	Dehydration Prickly Heat Heat Exhaustion Heat Stroke Fatality				Keep hydrated; drink water frequently Take regular breaks in the shade Supervisors to monitor workers Workers to monitor other workers Regularly rotate tasks Awareness communications via Toolbox Talks; Noticeboard Posters; Pre Starts Manual Tasks restrictions in Extreme Temps Keep an eye on any discolouration of Urine Increase air flow whenever possible Use of ice and/or water to cool core body temperature STOP work immediately and seek first aid or medical treatment if symptoms like <ul style="list-style-type: none"> • nausea or vomiting • dizziness/ giddiness or confusion • weakness • slurred speech • staggering or feeling faint 	   				
UV Radiation	Sun burn Skin Cancer				Long sleeves & long pants Sunscreen Tinted Safety Glasses Hard Hat brims (optional) Mole Map Skin checks (optional)					

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BMD JHA Card is MANDATORY for all tasks									
Adverse Weather	Erosion Bogged vehicles/plant Vehicle/Plant Incidents due to wet road conditions Musculoskeletal injury Lightning strike High wind conditions				Erosion Sediment controls in place Drive to conditions Site SPEED LIMIT in place - ##Km/h Vehicle/Plant pre-start checklists completed for installed safety equipment Safety footwear worn correctly Wet weather stand down protocols in place Supervisor to monitor weather conditions Cyclone Management Plan developed and in place when required	  			
Insect / Reptile Bites and Stings	Skin Irritation Infection Allergic Reactions Fatalities Harm to Protected Species				Site inductions completed correctly for Emergency Procedures information Use Machinery to clear/move debris / materials Eradication where possible and required – NO PROTECTED SPECIES TO BE HARMED REPORT any nesting area found – DO NOT DISTURB OR DESTROY '000' called immediately for suspected venomous bite/sting or anaphylactic reaction Trained First Aid personnel readily available and identified Correctly stocked First Aid Kits available Emergency Contacts posted on Zero Harm Boards in Sit Compound	  			







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BMD JHA Card is MANDATORY for all tasks									
Environment Issues / Damage / Harm	Flora and Fauna loss/damage Habitat and Ecosystems damaged or lost				<p>Environment Management Planning correctly completed, documented and communicated</p> <p>Environmental Sub Plans completed correctly as per IPMP</p> <p>RELEVANT Environmental and / or Clearing PERMITS obtained from regulatory authorities and in date</p> <p>Limits of clearing delineated and communicated</p> <p>Protection Zones established and marked</p> <p>Clearing to be undertaken in a direction working away from major roads and existing development ensuring animals and not trapped or forced into dangerous areas</p> <p>Protected trees to be marked accordingly</p> <ul style="list-style-type: none"> Trees NOT TO BE REMOVED - PINK Habitat Trees to be removed - YELLOW <p>Tree protection barrier mesh installed correctly around drip zones where required and maintained</p> <p>Competent, Authorised Persons such as an Arborist must be used when work required in Tree Protection Zones</p> <p>Fauna Spotter in place for Tree Removal works</p> <p>DO NOT ENTER NO GO ZONES</p>	    			

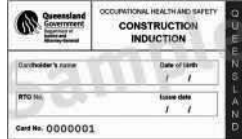





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BMD JHA Card is MANDATORY for all tasks										
Environment Issues / Damage / Harm	Erosion Contamination of Land or Water Courses				<p>Staged clearing of site areas to ensure the minimum amount of site is exposed at any one time</p> <ul style="list-style-type: none"> Progressive rehabilitation of cut and fill batters as works progress in each zone <p>Stockpile Management correctly in place and maintained</p> <ul style="list-style-type: none"> Use of temporary ground cover covers such as binding sprays and site mulch for coverage of temporary stockpiles and high risk areas where required Stripped topsoil stockpiled correctly within the site boundary Topsoil stockpiled to a height of no more than 2m, in an area with less than 5% gradient; protected by enclosed sediment fencing around the down-slope perimeter wherever possible <p>Erosion sediment controls correctly in place and maintained to ensure at least 70% capacity at all times</p> <p>Repairs to ESC controls completed within 24 hours or immediately where rainfall is imminent</p> <p>BOM forecasts monitored by Foremen to ensure prior warning and preparedness for any rainfall event</p> <p>Concrete wash out bays correctly installed at a minimum of 50m from any waterway/water course where required</p> <p>DO NOT ENTER NO GO ZONES</p>	   				








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BMD JHA Card is MANDATORY for all tasks										
Environment Issues / Damage / Harm	Chemical or Hazardous Substance spills				<p>STOP, CONTROL, CONTAIN & REPORT any fuel, oil or other chemical spill</p> <ul style="list-style-type: none"> • Stop work and shut off all ignition sources i.e.; engines, naked flames, no smoking • Notify the BMD Supervisor immediately • Ensure others do not enter the area • If safe to do so, use a spill kit to bund or control the spillage from entering drains or water courses • dispose of materials as per local guidelines <p>Adequate and Appropriate Spill Kits readily available and maintained.</p> <p>Spill Kit location communicated to workers</p> <p>All workers inducted in Site Emergency Process</p>	  				
	Dust Issues				<p>Site speed limits in place and adhered to</p> <p>Use of Water Truck for dust suppression</p> <p>ALL STOP during excessive wind conditions</p> <p>Use of Street Sweepers where required</p> <p>Dust monitoring as required</p> <p>Use of dust control material on temporary boundary fencing where required</p> <p>Site Rehabilitation undertaken as soon as possible</p>	  				






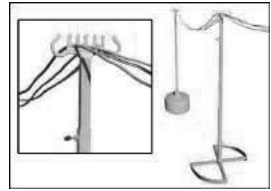
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		Cons	Prob	Risk		Cons	Prob	Risk		
BMD JHA Card is MANDATORY for all tasks										
Environment Issues / Damage / Harm	Importation / Exportation of Weeds and Pests				<p>Relevant legislative weed/pest controls correctly in place</p> <p>Rumble Grids or rock mattresses correctly installed at all site access / egress points</p> <p>Dedicated wheel wash resources available where required for mud / weeds</p> <p>Correctly remove / destroy / dispose of any Declared Weed from site if found (where approved by authorities)</p> <p>Vehicles and Plant to be clean and inspected for weeds and pests on site access/egress</p> <p>BIOSECURITY or DECLARED Zones adequately and correctly managed as per regulatory or legislative requirements</p>	  				
	Waste				<p>Relevant waste disposal areas & containers readily available; covered where required</p> <p>General housekeeping maintained – DO NOT LITTER</p> <p>Waste disposed of correctly; Waste Register used as required</p>					





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		Cons	Prob	Risk		Cons	Prob	Risk			
BMD JHA Card is MANDATORY for all tasks											
Environment Issues / Damage / Harm	Interference or Loss of Cultural Heritage Items/Places				<p>Cultural Heritage Management planning correctly completed, documented and communicated where required</p> <ul style="list-style-type: none"> Environmental Sub Plans completed correctly as per Project Risk and IPMP Local Traditional Owner Group consulted for development / agreement of Management Plans <p>Works carried out as per agreed Plan</p> <p>STOP all works if an item of potential significance is found</p> <p>PROTECT the area with barricading and signage as a NO GO ZONE</p> <p>REPORT findings immediately to the Foreman / Supervisor</p> <p>DO NOT recommence any works in the vicinity until approval obtained by Authorised Persons</p>						
	Dewatering	<ul style="list-style-type: none"> Contaminated water ways / soil / land Uncontrolled release of High Pressure fluids Scouring 				<p>Barricade/signpost pond exclusion area</p> <p>Position pump inlets and outlets before starting pumps</p> <p>Ensure water test results allow water to be released</p> <p>Water Discharge Permit obtained correctly prior to release of water where required</p> <p>Discharge water to stable ground such as rock or grassed area.</p> <p>Ensure controls such as sand bags, bunding or v-drains are correctly in place to direct any water away from prepared work areas</p>					

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BMD JHA Card is MANDATORY for all tasks										
Access and Egress / Site Security	Slips, Trips & Falls Unauthorised Access Property Damage Plant and Vehicle Collision Theft Personal Injury requiring medical treatment Plant/People interaction				<p>Maintain good housekeeping at all times. KEEP ACCESS WAYS CLEAR</p> <p>NEVER cross a barricade or NO GO ZONE without approval/positive communication</p> <p>Ensure stable footing; eyes on path</p> <p>Ensure adequate lighting</p> <p>Clearly delineate edges or changes in floor height</p> <p>SLIPPERY WHEN WET signage in place when required</p> <p>Ensure perimeter fence and security monitoring set up correctly and secure</p> <p>Signage “DANGER – KEEP OUT” or similar displayed clearly on perimeter fencing</p> <p>Signage “MUST REPORT TO SITE OFFICE” displayed prominently</p> <p>Site Emergency Contact Banner displayed at site entry/s</p> <p>Particular Site Induction for all personnel</p> <p>Visitors escorted at all times by Authorised Personnel</p> <p>Vehicle Movement Plan current and communicated</p> <p>ALL Vehicle and mobile plant to travel on planned and controlled workplace traffic routes</p> <p>Ensure TGS are in place in accordance with MUTCD part 3 where required</p> <p>Site Inspection Checklist completed weekly for monitoring site security and housekeeping</p>	     				





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BMD JHA Card is MANDATORY for all tasks																		
Persons not licenced, not competent or untrained in activities and tasks	Minor Personal Injury Person Injury requiring Hospitalisation Fatality Non-conformances / HSEQ breaches Legislation breaches / Law breaking Environmental Damage Property Damage				Construction Industry Induction Card confirmed for all construction workers Regional/Project Induction completed for all workers Site Specific Induction completed for all workers Relevant Licences, Training and Competencies confirmed for all workers through the Foreman's App OR hard copies obtained or sighted Supervisors to monitor all workers 'Awareness' Posters and Signage (such as Zero Harm) placed on Notice boards and other prominent areas	 												
Persons Unfit For Work (Under Alcohol and Other Drug influences or Fatigued)	Property Damage/Collision Musculoskeletal injury Serious Illness / Hospitalisation Fatality				Workers to present Fit for Work; well rested Maximum 14 hour day including travel Journey Plan completed where required Regularly rotate tasks requiring long duration of high concentration Mandatory rest breaks; minimum 30 mins/8hrs Supervisors to monitor workers Workers to disclose/report fatigue issues Workers to disclose/report A&OD issues A&OD testing undertaken at different intervals / situations as below <ul style="list-style-type: none"> • Blanket • Random • Self-Testing • For Concern • For Cause Employees Assistance Program signage on Noticeboard	  <table border="1"> <thead> <tr> <th>In any period of:</th> <th>MAXIMUM work time:</th> </tr> </thead> <tbody> <tr> <td>5.5 hours</td> <td>5.25 hours work time</td> </tr> <tr> <td>8 hours</td> <td>7.5 hours work time</td> </tr> <tr> <td>11 hours</td> <td>10 hours work time</td> </tr> </tbody> </table>  	In any period of:	MAXIMUM work time:	5.5 hours	5.25 hours work time	8 hours	7.5 hours work time	11 hours	10 hours work time				
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Manual Handling	Slips, Trips & fall Musculoskeletal injury Lacerations Personal injury from hand tools				<p>'Switch On' Warm-Up Program completed at Pre-start and Re-starts</p> <p>Maintain good housekeeping at all times</p> <p>ROTATE TASKS to avoid over use / repetitive movement</p> <p>Manual Task Risk Assessment completed if the tasks involves</p> <ul style="list-style-type: none"> • repetitive or sustained force • high or sudden force • repetitive movement • sustained or awkward posture • exposure to vibration <p>Prepare & Plan your lift</p> <p>Use correct lifting techniques; bend knees/back straight, close to body</p> <p>Use machinery to lift where possible, two man lift where safe, single lift correctly & as per weight assessment</p> <p>Never obstruct your view/sight line</p> <p>Appropriate gloves for task worn as required; NO FINGERLESS GLOVES</p> <p>Mandatory Retractable blades correctly used NO FIXED BLADES to be used on site</p> <p>Workers to disclose pre-existing limitations</p> <p>Take sufficient breaks when using or operating vibration equipment.</p>	      				







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BMD JHA Card is MANDATORY for all tasks										
Use of Small Portable Equipment and Electrical Power Tools	Serious injury requiring Hospitalisation Eye damage Lacerations Burns Amputation Electrocution Fire				<p>All electrical Equipment MUST be listed on BMD Register</p> <p>Extension Leads, tools, are to be tested and tagged by a competent person</p> <p>Before use - Check all electrical power tool leads and extension cords for defects, cuts, loose wires etc.</p> <p>Check the tag on the tool or lead is current (every 3 months)</p> <p>Use the tool or equipment only for the purpose for which it was designed</p> <p>All tools to be double insulated and used with a RCD</p> <p>Fixed or portable RCDs (Residual Current Devices) must be used</p> <p>RCDs regularly inspected and tested in accordance with the relevant legislation</p> <p>Welding cables and leads to be placed on stands where possible</p> <p>Keep extension leads up off the ground, as short as possible (no more than 32 metres in length including the length of the cord on the tool) and protect them from mechanical damage and heat</p> <p>Leads elevated after 10m /out of water</p> <p>Earth leakage protection is provided on all electrical supply and installations</p>	     				




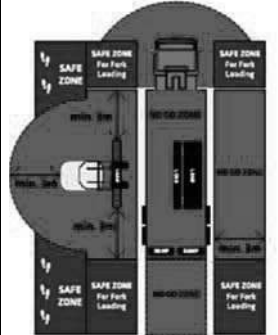
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Use of Small Portable Equipment and Electrical Power Tools	Serious injury requiring Hospitalisation Eye damage Lacerations Burns Amputation Electrocution Fire				<p>DO NOT cut, alter or repair electrical equipment. ALL repairs by licenced electrician</p> <p>Report all electrical shocks</p> <p>Don't allow cords, leads or plugs to become a tripping hazard</p> <p>Don't attach extension cords to scaffolding</p> <p>Visually check all tools for case damage</p> <p>Extension leads plugs and sockets must be either a non-rewirable (moulded) type or a transparent type</p> <p>Portable generators comply with Australian Standards</p> <p>Use generators with an earth stake</p> <p>Relevant Checklists correctly completed</p> <p>Relevant Permits such as 'Hot Works' correctly completed</p> <p>Relevant safety and emergency equipment in place at point of use</p> <p>Workers deemed competent to operate tools via BMD CTO completed</p> <p>9 INCH GRINDERS MUST NOT BE USED</p> <p>Compressed Air tools / hoses / couplings checked for faults prior to use</p> <p>Purge Compressed Air hose slowly prior to use to remove any moisture or liquids inside</p>	   				

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BMD JHA Card is MANDATORY for all tasks										
Working Near Underground and Overhead Services	Service Strike <ul style="list-style-type: none"> • Fatality • Personal Injury • Fire • Electrocution • Property Damage • Interruption to Service • Uncontrolled Release 	5	4	20	<p>ALL SERVICES TO BE TREATED AS LIVE</p> <p>Service Control Plan completed correctly including up-to-date DBYD plans</p> <p>Consideration regarding de-energising has been undertaken</p> <p>Permit to Work Near Services completed</p> <p>Workers in Permit areas signed onto PTW</p> <p>Asset Owners Permit in use if required and conditions met</p> <p>Bonded Earth Stake must be connected to plant and correctly in place where required</p> <p>Limit the swing and movement of Plant with a visual device, mechanical stops or programmable zone device</p> <p>Electrical trained/competent Controller/ Spotter present when required by legislation</p> <p>Exclusion Zones maintained at all times</p>		2	4	8	

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Working Near Underground and Overhead Services	Service Strike <ul style="list-style-type: none"> • Fatality • Personal Injury • Fire • Electrocutation • Property Damage • Interruption to Service • Uncontrolled Release 				Physical Service Markers correctly in place and locations verified by workers Workers trained in BOLT Work Near Services No machine excavation within 500mm DO NOT USE TOOTHED BUCKET Controller/Spotter present at all times: ALL STOP works if Controller inattentive or not present Valid Operator RTO training and VOC obtained and verified by Supervisor Relevant Emergency and Evacuation plans identified and communicated to all workers <i>Any departure or egress from STANDARD requires further risk assessment, recorded via PTW and JHA and authorised by Project Manager signature</i>	   			



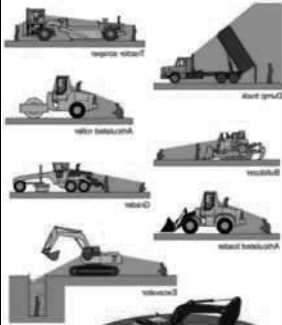


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BMD JHA Card is MANDATORY for all tasks										
Storage & Use of Hazardous Substances and Dangerous Goods	Explosion / Implosion Property Damage Substance Exposure Pollution from leakage / spills see Environment Issues / Damage / Harm				<p>Risk assessment form # HEQ-FRM-00919 correctly completed for each Hazardous Chemical</p> <p>Flammable and Combustible material is kept at the lowest practicable quantity</p> <p>Storage Container labelled/signed with placards according to substance type and quantity</p> <p>Systems in use for storing is used only for which it was designed, manufactured, modified, supplied or installed</p> <p>Supervisors to provide instruction, information and supervision regarding systems in use to workers at risk of exposure</p> <p>Incompatible substances are not stored together</p> <p>Storage container properly ventilated</p> <p>Workers instructed in the safe use of particular hazardous chemicals in use in accordance with current SDS for each substance</p> <p>Substance Containers are correctly labelled</p> <p>Substances not in use are stored correctly in banded areas</p> <p>Correct and appropriate PPE worn for particular hazardous chemicals in use</p> <p>All workers instructed in BMD incident reporting requirements</p> <p>Health and/or environmental surveillance for particular hazardous chemicals</p>	   				




Recurring Hazard/Aspect (applies to all tasks)	Impact (what can go wrong)	RISK SCORE without Controls			Management Controls (controls to be in place in order to manage Health, Safety and Environmental Risks)	RISK SCORE with Controls			Person Responsible (to ensure controls are applied)	
		Cons	Prob	Risk		Cons	Prob	Risk		
BMD JHA Card is MANDATORY for all tasks										
Operation and Movement of Vehicles and Mobile Plant and Equipment General Operation	Particular Plant Hazards <ul style="list-style-type: none"> Falls from Height Crushing injury Pinch point injury Entanglement Falling Objects / Debris Fire Personal Injury <ul style="list-style-type: none"> Slips Trips Falls Repetitive Movement Vibration Exposure to Hazardous Substances Burns Plant breakdown / malfunction Unsafe Plant / Plant not Fit For Use Poor Visibility Service Strike (<i>see Working Near Underground and Overhead Services</i>)				BMD pre-site acceptance checklist completed for each item of plant. BMD Plant Sticker visible Fire Fighting Equipment in place and inspected 6 monthly Equipment Safety Guards correctly in place Operators RTO and VOC obtained Operator trained and signed Particular Plant SOP Operator trained and signed Particular Plant Risk Assessment ALWAYS wear Safety Restraint / Seat Belt when in operation mode Flashing Lights and Reverse Alarms/Beepers must be in working condition Operation per user manual for Particular Plant Outriggers used when required ROPS installed as per Manufacturer Requirements FOPS installed per Manufacturer Requirements when participating in Clearing Operations Delivery Driver Induction completed correctly ALWAYS Access Plant going up frontwards. Egress Plant going down backwards Maintain 3 points of contact for access/egress of Plant	     				



Recurring Hazard/Aspect (applies to all tasks)	Impact (what can go wrong)	RISK SCORE without Controls			Management Controls (controls to be in place in order to manage Health, Safety and Environmental Risks)	RISK SCORE with Controls			Person Responsible (to ensure controls are applied)	
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BMD JHA Card is MANDATORY for all tasks										
<p>Operation and Movement of Vehicles and Mobile Plant and Equipment</p> <p>General Operation – Material Deliveries</p>	<p>People being struck by plant</p> <ul style="list-style-type: none"> Fatality Serious Personal Injury Personal Injury <p>LV Incident / Accident</p> <p>Uncontrolled movement</p> <p>Property damage</p> <p>Plant collision</p>				<p>Regulatory Licenses / authorisation (i.e. vehicle and hiab) current</p> <p>Chain of Responsibility checks completed including</p> <ul style="list-style-type: none"> Does Driver look or seem tired /sleepy Is the load secured in an appropriate manner Does the load seem to comply with Width and Mass limits of the Float Is the Heavy Vehicle Checklist completed where required <p>3 points of contact at all times for access/egress</p> <p>Work from ground level where possible, avoid getting onto the truck/trailer bed (pre-slung loads)</p> <p>Fall prevention correctly fitted prior to access to or working on truck/trailer bed</p> <p>Never climb onto the loads or tarps</p> <p>Use a platform ladder or a ladder secured to the truck or held by another person (footed) where fall prevention is not fitted</p>	   				

Recurring Hazard/Aspect (applies to all tasks)	Impact (what can go wrong)	RISK SCORE without Controls			Management Controls (controls to be in place in order to manage Health, Safety and Environmental Risks)	RISK SCORE with Controls			Person Responsible (to ensure controls are applied)
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BMD JHA Card is MANDATORY for all tasks									
Operation and Movement of Vehicles and Mobile Plant and Equipment General Operation – Plant Rollover	Fatality Amputation Crushing Injury Personal Injury Property damage				<p>ALWAYS wear Safety Restraint / Seat Belt when in operation mode</p> <p>Ensure haul roads are safe and properly maintained, considering changing environments and conditions.</p> <p>Ensure the surface of any off-loading area is appropriate for the vehicle's requirements / manufacturer's specifications.</p> <p>SOP understood and completed correctly</p> <p>In confined areas keep outer edges of fill higher and roll at angle to the edge of fills</p> <p>Construct windrows near the edges of drop offs reducing the likelihood the Plant will roll over the edge and down the embankment.</p> <p>DO NOT DUMP / TIP without controller /spotter in place</p> <p>Quad Trailers should not be used to spread loads</p> <p>Tipper exclusion zone and traffic management are in place prior to raising body</p> <p>No loads to be spread on a downhill / cross slope</p>	 			




Recurring Hazard/Aspect (applies to all tasks)	Impact (what can go wrong)	RISK SCORE without Controls			Management Controls (controls to be in place in order to manage Health, Safety and Environmental Risks)	RISK SCORE with Controls			Person Responsible (to ensure controls are applied)
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BMD JHA Card is MANDATORY for all tasks									
Operation and Movement of Vehicles and Mobile Plant and Equipment General Operation - Noise	Hearing Loss Community Impacts Noise Pollution				Work carried out in standard work day hours Public prior notification arranged if work outside standard work day hours is required Mobile Plant noise levels in accordance with manufacturers guidelines Use of 'Silenced' equipment where possible Use adequately rated hearing protection if equipment operation noise level over 85 decibels				
Operation and Movement of Vehicles and Mobile Plant and Equipment General Operation - Dust	Poor Visibility Inhalation Dust (<i>see Environment Issues / Damage / Harm</i>)				ALL STOP if dust is extreme or causing low visibility or work area Monitor rear-view mirrors when travelling Report any area or road requiring dust suppression – Contact Water Cart				
Operation and Movement of Vehicles and Mobile Plant and Equipment General Operation – Wet Weather Conditions	Bogged Vehicle / Machinery Towing Equipment failure				NEVER USE LIFTING EQUIPMENT FOR THE TOWING OR REMOVAL OF BOGGED MACHINERY Tow strap rated to correct pulling load for Particular Plant Towing Vehicle fit for purpose Exclusion Zones established for towing area and including a minimum of 30 meters of clear travel from the bog				




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BMD JHA Card is MANDATORY for all tasks										
<p>Operation and Movement of Vehicles and Mobile Plant and Equipment</p> <p>General Operation – Public/Vehicle or Plant interaction</p> <p>Worker/Vehicle or Plant Interaction</p> <p>Works near Traffic</p>	<p>People being struck by plant</p> <ul style="list-style-type: none"> • Fatality • Serious Personal Injury • Personal Injury <p>LV Incident / Accident</p> <p>Uncontrolled movement</p> <p>Property damage</p> <p>Plant collision</p>				<p>Reverse park or pull up in a manner that ensures FIRST MOVEMENT FORWARD</p> <p>Handbrake engaged correctly when parked</p> <p>Site SPEED LIMIT in place - ##Km/h</p> <p>WALKING SPEED ONLY around personnel</p> <p>Current TMP in place as required</p> <p>VMP in date and communicated to all workers</p> <p>Inspect/Monitor TGS in place daily</p> <p>Plant exclusion zones & blind spots are maintained/identified correctly</p> <p>Site vehicles to keep clear of operating machinery and not park in or near work areas/ haul routes</p> <p>Maintain positive communication with Operator at all times</p> <p>Trucks / tippers entering congested work areas to contact controller or plant operator for direction to tipping zones</p> <p>NEVER approach Plant/Vehicle in operation mode – remain at a safe distance until Operator has acknowledged and stopped operation and grounded any attachments</p> <p>Controller present when required with Mandatory 2-Way radio communication for moving Vehicles/Plant</p> <p>UHF Channel #</p>	    				

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BMD JHA Card is MANDATORY for all tasks										
Operation and Movement of Vehicles and Mobile Plant and Equipment Servicing and Maintenance	Electrocution Crushing injuries Falls from Height Fatality Fire Interaction with other works Fluid and Hazardous Substances leak / spills (<i>see Environment Issues / Damage / Harm</i>) Incompetent / Untrained Persons <ul style="list-style-type: none"> • Minor Personal Injury • Person Injury requiring Hospitalisation • Fatality • Non-conformances / HSEQ breaches • Legislation breaches / Law breaking • Property Damage (<i>see Persons not licenced, not competent or untrained in activities and tasks</i>)				Daily Plant and Machinery checklist correctly completed for each item of plant Exclusion Zones in place when service / maintenance / repairs are required Machines Isolated for all service / maintenance / repairs and Tagged out It is preferred that all MAJOR service / maintenance / repairs be undertaken off site Major servicing is defined as anything above daily and weekly oil top ups, grease ups, tyre changes and minor maintenance work No MAJOR service / maintenance / repairs of plant and mobile equipment is to be undertaken on site without a BMD Supervisor ALL MAJOR service / maintenance / repairs work will be risk assessed for hazards identification and control for tasks being undertaken. Environmental Risks MUST be included in the risk assessment ALL MAJOR service / maintenance / repairs activities on site MUST be undertaken by a competent person for the task and the work be conducted in accordance with the manufacturers recommendations	  				



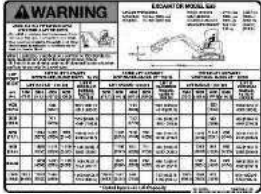
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BMD JHA Card is MANDATORY for all tasks										
Operation and Movement of Vehicles and Mobile Plant and Equipment Refuelling Tasks	Fire Explosion Burns Personal Injury Exposure to Hazardous Substances - Fumes Hazardous Substances leak / spills (<i>see Environment Issues / Damage / Harm</i>)				<p>BEFORE YOU REFUEL</p> <p>Check the area – refuel only in a well ventilated area on stable ground</p> <p>Be aware of Static Electricity</p> <p>Ensure CORRECT TYPE of fire extinguisher is available at point of refuelling in the event of an emergency</p> <p>No refuelling within 30m of a waterway or drainage line</p> <p>Check fuel type</p> <p>REFUELLING</p> <p>DO NOT SMOKE</p> <p>Ensure Plant / Machinery / Equipment is shut down</p> <p>Allow engine to cool for at least 5 minutes</p> <p>Check the area is clear of naked flames or hot material</p> <p>Only use approved fuel containers and funnels – DO NOT REFUEL without a funnel</p> <p>DO NOT OVERFILL</p> <p>Replace the cap tightly before moving or starting equipment</p> <p>Wipe up any spilt fuel and check for leaks – DO NOT START OR RUN equipment if leaks are found</p>					






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<p>Operation and Movement of Vehicles and Mobile Plant and Equipment</p> <p>Changing Plant/Machine Attachments</p>	<p>Unsecured Attachments</p> <p>Failure of Quick Hitch Mechanisms</p> <ul style="list-style-type: none"> Falling objects Property/Plant damage Personal injury Fatality 				<p>Quick hitch operation manual requirements must be adhered to and made available in the cab, with the Operator adopting the specific verification system prescribed to them, which may include an alarm etc.</p> <p>Quick Hitch compliance to AS 4772 documentation must be kept in the cab of machine at all times</p> <p>A five (5) metre minimum exclusion zone is to be maintained whilst the changing of attachments is being undertaken</p> <p>For half and mechanical hitches the manual pin must be engaged, then physically and visibly inspect the locking mechanism to ensure it is secure</p> <p>Operator to ensure visual verification of the safety system from the cab for semi-automatic and automatic hitches and communicate such to the Controller</p> <p>Operator must prove the attachment is securely locked in place by bumping or forcing the attachment against a hard surface and away from the machine using hydraulics before any further movement and operating. <i>Note: Shaking the attachment alone is not sufficient.</i></p> <p>Operator to confirm to Controller (Spotter) that attachment secure</p> <p>Controller to verify testing of attachment security and acknowledge Operator is right to proceed</p> <p>When no Controller is present, Operator is to physically and visually check security of attachment whilst it is grounded</p>	  				

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Operation and Movement of Vehicles and Mobile Plant and Equipment Lifting Operations Continued Over Page	Failure of Lifting Equipment <ul style="list-style-type: none"> Falling objects Property/Plant damage Personal injury Fatality Communication failure Loads not assessed Lifting point not certified Loads not within Safe Work Limits (SWL)				<p style="text-align: center;"><u>ROUTINE LIFTS</u></p> <p>All Lifting Activities must be performed with positive communications via mandatory 2-Way Radio and hand signals</p> <p>Communication methods are checked and confirmed with the Dogman controlling the load</p> <p>Emergency response / procedures are in place and communicated prior to lifting operations</p> <p>NEVER stand under a suspended load</p> <p>All lifting equipment to be recorded on BMD Lifting Equipment Register</p> <p>All Lifting Equipment shall have a unique identifier</p> <p>All Lifting Equipment shall be colour tagged according to the following</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Quarter</th> <th>Colour</th> </tr> </thead> <tbody> <tr> <td>Jan-Mar</td> <td>Red</td> </tr> <tr> <td>Apr-Jun</td> <td>Green</td> </tr> <tr> <td>Jul-Sept</td> <td>Blue</td> </tr> <tr> <td>Oct-Dec</td> <td>Yellow</td> </tr> </tbody> </table>	Quarter	Colour	Jan-Mar	Red	Apr-Jun	Green	Jul-Sept	Blue	Oct-Dec	Yellow	  				
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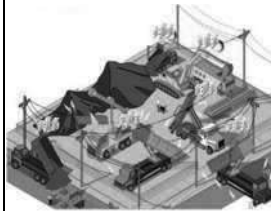

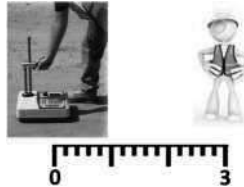
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Operation and Movement of Vehicles and Mobile Plant and Equipment Lifting Operations <i>Continued Over Page</i>	Failure of Lifting Equipment <ul style="list-style-type: none"> Falling objects Property/Plant damage Personal injury Fatality Communication failure Loads not assessed Lifting point not certified Loads not within Safe Work Limits (SWL)				Lifting Chains; Slings and accessories correctly inspected for damage or wear every 3 months by a qualified Rigger 3 monthly Inspections to be recorded on BMD Lifting Register Tag out and remove any Lifting Equipment found to be faulty / damaged or out of date All loads must be planned, slung and directed by qualified Dogman Dogman to ensure Lifting Equipment is fit for purpose and correctly applied Dogman shall visually inspect Lifting Equipment before each use Exclusion Zones are established and the load will not foul on any object or cause a hazard to personnel or plant Landing area is clear and ready to receive the load – DO NOT encroach into landing area until object has been lowered and is ready to be installed / seated Ensure and maintain Maximum lift capacity limits for Chains and Slings ALWAYS use tag lines – minimum 16mm NFR Rope Lifting Hooks MUST be fitted with positive locking safety catch	<p>INSPECT LIFTING GEAR</p>				

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Operation and Movement of Vehicles and Mobile Plant and Equipment Lifting Operations	Failure of Lifting Equipment <ul style="list-style-type: none"> Falling objects Property/Plant damage Personal injury Fatality Communication failure Loads not assessed Lifting point not certified Loads not within Safe Work Limits (SWL)				Designated Lifting Points must be used Mobile Plant used For Lifting activities must be fitted with Burst Protection Check hydraulic lines for wear, leaks, cuts, splits, fractures and bulges. Outriggers Deployed correctly when lifting operations being undertaken where required NEVER allow the Shackle to make contact with the Quick Hitch Inspect condition of Quick Hitch Lifting Lug Load Charts MUST be in the cab of Plant or Crane Rated Capacity (RC) or Safe Working Load (SWL) must be greater than the combined weight of Shoring Box and Lifting Equipment Plant MUST be switched to Crane Mode for all Lifting Activities <i>Any departure or egress from ROUTINE LIFTS requires further risk assessments and processes in place COMPLETED AND APPROVED BY APPROPRIATE LICENCED PERSONS</i> <i>Subcontractor WMS approved for use</i> NOTE: CRANAGE WMS <ul style="list-style-type: none"> must include a verified Lift Plan must include a Crane Pad Certification where required 	  				

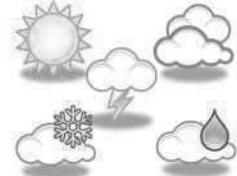

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Plant and Machinery Delivery / Mobilisation	Use of Mobile Plant <i>(see Operation and Movement of Mobile Plant and Equipment)</i> Loading / Unloading Plant from/to Float Working at Height	Falls from one level to another Overturned Plant Fatality Driver Fatigue Unsecured Load Overweight loads				Regulatory Licenses current Chain of Responsibility checks completed including <ul style="list-style-type: none"> Does Float Driver look or seem tired /sleepy Is the load secured in an appropriate manner Does the load seem to comply with Width and Mass limits of the Float Is the Heavy Vehicle Checklist completed where required 3 points of contact at all times for access/egress Float parked on even ground prior to unloading/loading of machinery					
Survey	Manual Handling <i>(see Manual Handling)</i> Installation of Survey Pegs	Eye damage though Laser use Personal Injury Incorrect placement of pegs leading to unnecessary Environmental harm	3	4	12	Ensure current Dial Before You Dig Plans are being used Ensure current 'FOR CONSTRUCTION' drawings are being used Ensure GPS calibrated correctly Subcontractor WMS approved for use					

Task	Hazard/Aspect (Procedural Step)	Impact (what can go wrong)	RISK SCORE without Controls			Management Controls (controls to be in place in order to manage Health, Safety and Environmental Risks)	RISK SCORE with Controls			Person Responsible (to ensure controls are applied)
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BMD JHA Card is MANDATORY for all tasks										
Clearing and Grubbing	Felling Trees / Shrubs					<p>'Clear and Grub' ITP with minimum Hold Points for:</p> <ul style="list-style-type: none"> Approval to remove overhanging branches Limits of Clearing Boundary barrier/s in place 	 			
	Mulching / Grinding	Unnecessary Environment Damage				<p>Fauna Spotter in place where relevant</p> <p>Worker Exclusion Zones or safe working distances identified, communicated and enforced</p>				
	Lifting fallen trees with machinery	Falling Trees causing injury / property damage				<p>Plant in use fit for purpose</p> <ul style="list-style-type: none"> FOPS installed correctly and undamaged Window Guards installed on Plant in use 				
	Mulch Stockpiling	Projectiles causing injury / property damage				<p>DO NOT traverse or track through existing water crossings – Fit for Purpose Crossings must be implemented where required</p>				
	Removal of waste product	Personal Injury				<p>Tub Grinder or Mulcher isolated prior to rectification of any jams</p>				
	(see Operation and Movement of Vehicles and Mobile Plant and Equipment)	Fatality				<p>Hands / Arms kept well clear of moving parts at all times when Plant energised</p> <p>DO NOT ENTER NO GO ZONES</p> <p>ALL STOP called if Exclusion Zones breached</p> <p>Stockpiles correctly maintained</p>				

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BMD JHA Card is MANDATORY for all tasks										
Earthworks	Site clearing / Top Soil Stripping and Stockpiling / Cut and Fill / Load and Haul / Place and Compact (see Operation and Movement of Mobile Plant and Equipment)	Stockpiles collapsing Unstable ground conditions Batters made to steep Plant operating on/near batters/stockpiles incorrectly				<p>Strip within designated areas only</p> <p>Stockpiles created safely – ensure safety bunds are placed ½ the height of the wheel where required</p> <p>Stockpiles built up in equal heights including rolling out material</p> <p>Ensure Stockpiles are placed away from any known sensitive areas or No Go Zones</p> <p>DO NOT ENTER No Go Zone limits nominated by Foreman</p> <p>Plant must not be driven along batters steeper than 1V:3H</p> <p>Ramps leading on and off the fill or into the pit are to be adequate width and windrowed</p> <p>Never reverse over a Windrow</p> <p>Graders to maintain Haul Roads in the same direction as other Plant are working</p> <p>Haul roads to be maintained and watered down</p> <p>Remain on stable ground</p> <p>DO NOT enter Exclusion Zones near excavations/trenches – minimum 1m back from the 45° from the toe of excavation/trench</p>	 			

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Earthworks	Site clearing / Top Soil Stripping and Stockpiling / Cut and Fill / Load and Haul / Place and Compact (see Operation and Movement of Mobile Plant and Equipment)	Stockpiles collapsing Unstable ground conditions Batters made to steep Plant operating on/near batters/stockpiles incorrectly				Never load Haul/Dump Trucks over cab DO NOT overload Haul/Dump Trucks Reversing Plant to be directed by designated Controller Designated on way travel where possible to reduce/eliminate reversing requirements Load/Dump areas to be away from Overhead Services Haul/Dump Trucks to lower tray/bins prior to moving Limit reverse travel where possible Ensure attachments are tucked in prior to travel	 			
	Geotech / Soil Testing	Exposure to Nuclear Radiation				Exclusion Zones no less than 3m when nuclear testing is being carried out Subcontractor WMS approved for use NOTE: GEOTECH/SOIL TESTING WMS <ul style="list-style-type: none"> • must reference the <i>Radiation Protection Act and Radiation Protection Regulations</i> • must include an approved Radiation Protection Plan • must identify controls compliant with the legislation such as Licences and Personal monitoring devices. 	 			

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Earthworks	Importing / Exporting Fill	Legislative Breaches Contaminated Fill				Relevant PERMITS obtained and in date Material testing for suitability as required Carry out inspections of fill material for potential contamination				
	Discovery of Contaminated or Hazardous Materials Discovery of Asbestos	Mesothelioma Lung Cancer Asbestosis				All works in the area are to stop/cease if any hazardous/asbestos material is discovered or suspected Notify your supervisor and implement Exclusion Zones using minimum physical barrier of flagging or parawebbing with signage Suspect Material must be tested/assessed by qualified persons Testing, permitting, transport and disposal of contaminated material shall be conducted as per relevant land legislation Waste Tracking forms correctly completed where required When Asbestos is suspected, water down the material Asbestos Awareness Training for all workers where required Removal of any AC material to be carried out by class A licensed removalist	 			

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Roadworks	Delivery, placement and compaction of gravel (see Operation and Movement of Mobile Plant and Equipment) Manual handling Installation of road furniture's (see Manual Handling and Use of Hazardous Chemicals and Dangerous Goods) Bitumen / Asphalt works Line Marking	Incorrect / Unsuitable material Extreme Temperatures Substance exposure Chemical burns Serious personal injury Burns Environmental impact Public Interaction				Task specific gloves; face shield; PPE when required VMP and TMP in use as required Weather Conditions checked prior to road priming/sealing if required Subcontractor WMS approved for use	 			

Review and Monitoring

Review No.	1	2	3	4	5	6	7	8	9
Name									
Date									

Review Comments	

WORKERS REVIEW SECTION: Please add in any new work activities that you may require or any new control measures you may wish to add and contact site Safety / Environmental Representative before commencing this new work activity.

- A Record of nil needs to be recorded if no feedback is provided.



Employee's Acceptance

We, the undersigned, confirm that we have been consulted on the development and given opportunity to provide inclusions of the WMS nominated above and the details have been explained and clearly understood. We also confirm that our required qualifications to undertake this activity are current. We also clearly understand that the controls in this WMS must be applied as documented, otherwise work is to cease immediately.

Date	Name	Employer	Signature



Appendix D

Tim Bishop

Construction Manager – South Australia



Tim has driven the growth of our South Australian Civil Business across multiple market sectors, and leads our urban development, infrastructure and building divisions in the state. Tim leads a highly motivated team of multiple project managers, engineers, field personnel and safety/systems support staff with passion and commitment.

His experience in Business Development, Estimating/Pre-Contracts coupled with an extensive project history with Managing Contractor, Early Contractor Involvement & Alliance Contracting, Design & Construct and traditional contract forms, ensures Tim understands the risks, opportunities and key contract deliverables for all parties throughout the project lifecycle with project values from \$1m - \$100m.

Tim is a positive, proactive leader in safety, quality, environmental and commercial aspects of the civil industry. Throughout his career He has driven a positive safety indicator of >3.9 million man hours without Lost Time Injury. Tim is commercially astute and positively drives win-win scenarios for clients and BMD.

BMD's Project at Kauri Parade won the 2016 National Earth Award Category 2 for Engineering Excellence, with the Henley Square Redevelopment winning the South Australian State Award in Category 3. This was followed in 2017 with ANZAC Memorial Walk winning the South Australian State Award in Category 3 providing back-to-back wins in the \$5m - \$10m Project Category

Qualifications: Bachelor of Engineering (Hons), ACSM.

Years in industry: 16 years as of 2018

Detailed Project Experience

Early Contractor Involvement - Gawler Place Redevelopment, Adelaide, SA

City of Adelaide, \$8.2M, March 2018 – July 2019 (Construction Manager)

Scope: Gawler Place is a key link to the transport corridor of Grenfell Street, the new tram stop on North Terrace and the ANZAC Memorial Walk on Kintore Avenue, the cultural boulevard of North Terrace and the Riverbank precinct. As a vital connector for these key city destinations, Gawler Place is in high-demand from both pedestrians and vehicles. The quality and function of the street is in poor condition and is being upgraded to meet increasing demands, improve the Mall precinct and align with the high quality of Rundle Mall.

The upgrade will include Gawler Place North (North Terrace to Rundle Mall) and Gawler Place South (Rundle Mall to Grenfell Street) to establish a contemporary, pedestrian focussed link, connected to the heart of the Rundle Mall Precinct. The scope includes, demolition of existing roadways, stormwater installation, CST installation, granular pavements, concrete pavements, asphalt pavements, extensive granite paving, lighting, tree planting and seating under 25,000ppd and extensive traffic/community staging/management requirements.

Managing Contractor - NHPT Temple Stage 3B, Sellicks Beach, SA

NHPT Temple Association, \$5.7M, March 2018 – March 2019 (Construction Manager)

Scope: BMD has been appointed Managing Contractor for the installation of a steel frame supported 6 storey timber Buddhist Temple at Sellicks Beach. The works involve the staged construction with specialist carpenters and mechanical, electrical and hydraulic services required to be constructed. This project complements and maintains our long-term relationship with the NHPT Temple Association of Australia

Parafield Park'n'Ride, Parafield, SA

DPTI, \$3.2M, February 2018 – August 2018 (Construction Manager)

Scope: BMD was awarded the reconstruction and expansion of the Parafield Park'n'Ride for DPTI. The project entails the construction of a new 300 capacity car park, landscaping, earthworks, pavements, DDA compliant pedestrian pathways, as well as CCTV, Lighting and Station Upgrade Works as well as intersection and access upgrades under live traffic conditions.

PMCA - Kangaroo Island Road Reconstruction Stage 7, Kangaroo Island, SA

DPTI, \$2.2M, January 2018 – May 2018 (Construction Manager)

Scope: BMD was awarded the project in a project management contract administration (PMCA) capacity, the first time DPTI has conducted this construction model with a civil contractor.

The project's scope involves upgrading existing roads at two major locations on the island, the first being a 19 kilometre section of the Rowland Hill Highway which includes raising 93,000 tonnes of material from a local property's borrow pit. Once upgraded, the highway will be used as a major freight route to Penneshaw where the island's ferry docks. The resheeting of Rowland Hill Highway also involves the upgrade of 26 culverts, as well as the realignment of two intersections to improve safety for motorists.

The second part of the project involves upgrading a 5 kilometre section of the frequently used tourist route, North Coast Road, with the upgrade running west from Stokes Bay. The upgrade involves using 17,000 tonnes of pre-raised material during construction and the project team will upgrade six culverts as part of the works. As a PMCA contract, BMD will provide project management for the works as a representative of the client.

Upper Yorke Peninsula Road Overtaking Lanes 2B/2H, Upper Yorke Peninsula, SA

Dowenr EDI (DPTI), \$2.7M, January 2018 – April 2018 (Construction Manager)

The project involves the construction of 2 overtaking lanes comprising 5km of new roadway on the Upper Yorke Peninsula. Works comprise vegetation removal, pavement demolition, embankment widening, earthworks, subgrade stabilisation, placement of granular pavements and sealed with a 16/7 spray seal. Linemarking, Signage, Guideposts and Safety Barriers were also installed.

Design & Construct - Mannum Community College STEM Upgrade, Mannum, SA

DPTI, \$2.6M, January 2018 – September 2018 (Construction Manager)

Scope: The project entailed the staged demolition of the existing internal fitout of 3 School Buildings to create an open plan learning environment. The refurbishment provides reconfigured spaces to include a common area and learning areas to encourage imagination and support innovation. The new fitout provides an upgrade of mechanical, electrical and hydraulic services as well as landscaping/paving upgrades.

Design & Construct - Coastal Bikeway & Boardwalk Construction, City of Charles Sturt, SA

City of Charles Sturt, \$4.5M, January 2018 – December 2018 (Construction Manager)

Scope: The Design & Construction of 1km of 3.5m wide raised boardwalk on 4m spaced screw piles and 2km of shared 3.5m wide shared path through a highly ecological sensitive dune habitat between Grange and Semaphore. The project has highly complex community engagement issues resolved through management of the Design and Construct process.

The project involves the installation of several feature landscaped nodes which will mark the community entranceways to the bikeways route. BMD's piling and boardwalk construction methodology and materials will be Adelaide's longest shared raised bikeway once completed.

Angus Views Stage 1, Angaston, SA

Linder Developments, \$2.0M, January 2018 – April 2018 (Construction Manager)

Scope: The project involves the headworks provision of a new intersection to provide access to the new developments as well as the construction of stormwater detention structures and 22 Residential Allotments with associated sewer, stormwater, watermain, CST and road pavements

Riverview Stage 1 & Roundabout, Angle Vale, SA

ACTIUM Land Developments, \$2.0M, January 2018 – May 2018 (Construction Manager)

Scope: The project involves the headworks provision of a new roundabout to provide access to both the Woodbridge and Riverview Developments on Heaslip Road, Angle Vale as well as the construction of stormwater detention structures and 25 Residential Allotments with associated sewer, stormwater, watermain, CST and road pavements

Kangaroo Island (Kingscote) Airport – Airside Works Runway Construction A2, Kangaroo Island, SA

Kangaroo Island Council, \$8.5M, January 2017 – December 2017 (Construction Manager)

Scope: The project entails the extension and overlay of the existing working runway to accommodate commercial jetliners to expand the Kangaroo Island Tourism Economy. The works involve the extension of both ends of the existing runway and an average of 250mm of granular overlay to the existing runway. Works entail approximately 96,000m² of extended and new runway pavement and triple coat seal. The works entail large protection slabs for existing infrastructure and the construction of an 86.4Lm 4x1200x600 RCBC across the new runway. BMD restaged the clients MOWP to allow a fast tracked construction sequencing reducing the contract duration by 1 month.

Design & Construct – Murray Bridge North School STEM Upgrade, Murray Bridge, SA

DPTI, \$1.0M, August 2017 – December 2017 (Construction Manager)

Scope: The project entailed the staged demolition of the existing internal fitout to create an open plan learning environment. The refurbishment provides reconfigured spaces to include a common area and learning areas to encourage imagination and support innovation. The new fitout provides an upgrade of mechanical, electrical and hydraulic services as well as a new outdoor learning area.

London Street Bridge Construction, Port Lincoln, SA

Port Lincoln Council, \$4.5M, April 2017 – September 2017 (Construction Manager)

Scope: The project entails the staged demolition of the existing two-span road-over-rail bridge under live rail conditions and construction of a new 19.3m(l) x 13.8m(w) single span bridge structure with prestressed concrete planks to facilitate a new roadway with shared pedestrian pathway. To facilitate the new bridge footprint, the staged relocation of live fuel, electrical, fibre optic, watermain, sewer and stormwater infrastructure is required. The works have been critically programmed to achieve client required timeframes whilst utilising local subcontractors and suppliers to support local industry Participation.

Sturt Highway Overtaking Lanes – Package 1, Truro, SA

Department of Transport, Planning & Infrastructure, \$2.4M, October 2017 – March 2018 (Construction Manager)

Scope: The project involves the construction of one new overtaking lane located at RRD 98.39 on the Sturt Highway (Halfway House Road) approximately 20km east of Truro. There is a requirement to extend the existing overtaking lane at RRD 70.71 (Jaeger Road) which is approximately 6km west of Truro. The project also involves the upgrade of the Junction of RN7382 Halfway House Road, and RN7200 Sturt Highway in conjunction with the new overtaking lane. Embankment widening, earthworks and granular pavements are sealed with a 16/7 spray seal with PF1 fabric to extensive sections of the intersections. Safety Barriers, improved road lighting and signage are also within the project scope.

Sturt Highway Overtaking Lanes – Package 2, Renmark, SA

Department of Transport, Planning & Infrastructure, \$2.0M, October 2017 – March 2018 (Construction Manager)

Scope: The project involves the construction of one new overtaking lane located at RRD 191 on the Sturt Highway (Hitman Road) approximately 8km west of Kingston. There is a requirement to extend two existing overtaking lanes located at RRD 234 (Golf Course Road) and RRD232 (Lyrup Road) near Lyrup. Embankment widening, earthworks and granular pavements are sealed with a 16/7 spray seal with PF1 fabric to extensive sections of the intersections. Safety Barriers, improved road lighting and signage are required.

Woodforde Stage 1, Campbelltown, SA

Starfish Developments, \$5.0M, February 2017 – March 2018 (Construction Manager)

Scope: The Construction of a 106 Lot Residential Subdivision on the site of the former Magill Training Centre at the foot of the Adelaide Hills. The project requires the fast tracked construction of external sewer, water, stormwater and electrical headworks and road reconstruction as well as the installation of a 1,600m³ Humes Stormtrap, The site requires the installation of 600Lm of ~3m high Sleeper retaining walls, 300Lm of Blockwork Retaining walls and 250Lm of Concrete retaining walls. A \$0.5m NBN and Electrical package is also required to service the development. There is 12,000m² of road pavement, 1.5km of stormwater, 1,450Lm of Sewer and 800Lm of Potable Water Installation.

Northern CBD Upgrade, City of Playford, SA

City of Playford, \$7.1M, October 2016 – October 2017 (Construction Manager)

Scope: To construct and retrofit the Elizabeth City Centre for the City of Playford amongst existing retail and commercial operations. The project involves boulevard construction, service installation, road construction, landscaped footpaths, and a landscaped entertainment precinct in a live shopping zone.

Adelaide Airport – Airside Works Taxiway Extension & Widening, Adelaide, SA

Adelaide Airport Limited, \$1.6M, March 2017 – April 2017 (Construction Manager)

Scope: The project entails the extension, widening and overlay of the three taxiways to accommodate wide-body jumbo jets. The works, all conducted as night works, involve both physical extension, widening, texturing and asphaltting. Works entail intricate interaction with existing airfield ground lighting, restricted working hours and a complex and in depth hourly programs to accommodate the fast tracked construction program.

T2T Alliance Stormwater Installation, Adelaide, SA

T2T JV (CPB/Yorke), \$2.0M, January 2017 – April 2017 (Construction Manager)

Scope: The Installation of 2km of stormwater infrastructure in sizes ranging from 375mm to 1350mm RCP in brownfield live traffic environments. The Alliance called on BMD's capacity and major project capabilities to ensure the projects safety and programming requirements are met.

Design & Construct - PUMA Energy Truck Refuelling Facility & Intersection Upgrade, Ceduna, SA

PUMA Energy, \$1.5M, January 2017 – April 2017 (Construction Manager)

Scope: The Design & Construction of an automated truck refuelling facility in Ceduna, SA. The facility requires the widening and reconstruction of the DPTI highway into Ceduna. The works involve some 35,000m² of sealed hardstand, installation of tank storage and automated refuelling technology systems. The Site works will be performed in a fast tracked 8 weeks with pavement materials raised and crushed at a borrow pit some 105km from the project site in lieu of carting from Whyalla saving the client some \$250,000 in project cots.

Woodbridge Stage 1-4, Angle Vale, SA

Actium Developments, \$7.0M, December 2016 – May 2018 (Construction Manager)

Scope: The Construction of a 29 Lot Residential Subdivision and major infrastructure headworks on Heaslip Road, Angle Vale. The project requires the fast tracked construction of external gas, sewer, water, stormwater and electrical/NBN headworks and road reconstruction as well as the construction and landscaping of 3 major detention basins, The stage incorporates approximately 1.05km of kerbing & 400Lm footpath works, 1.1km each of Sewer & stormwater, 0.85km of watermain, specialist detention basins containing 910m³ of Gabion Retaining walls, 8,000m² of Jute Matting, 16,000m³ of earthworks cut to fill and 3,500m² of asphalt and pavement works. An 8m Deep Precast Fully Automated Sewerage Pump Station is also being installed as part of the Sewerage Headworks for the project. A \$0.2M Electrical and NBN Package was also installed.

Newenham Estate Stage 1A&1B/Stage 2/3A, 3B, Intersection & Headworks, Mt Barker, SA

Burke Urban, \$8.1M, February 2016 – May 2018 (Construction Manager)

Scope: Construction of the first 4 stages of a 630 lot subdivision including the provision of a DPTI intersection and a flood mitigation bund containing sewer/water headworks infrastructure. The stages incorporated approximately 3.5km of kerbing & footpath works, 3.5km of Sewer & stormwater, 3km of watermain, specialist detention basins, 70,000m³ of earthworks cut to fill and 10,000m² of asphalt and pavement works. A \$1.4m Electrical and NBN Package was also installed.

Longview Estate Stages 1&2 Intersection & Headworks, Two Wells, SA

Weeks Development, \$2.6M, June 2016 – October 2017 (Construction Manager)

Scope: To construct the first stages of an 80 lot subdivision including the provision of a DPTI intersection and sewer/water headworks. The stages incorporated approximately 1km of kerbing & footpath works, 0.5kmm of stormwater, 0.5km of watermain, specialist detention basins, 14,000m³ of earthworks cut to fill, 20,000m³ treatment of uncontrolled fill and 2,000m² of asphalt and pavement works.

Humbug Scrub Roundabout, Adelaide Hills, SA

Department of Transport, Planning & Infrastructure, \$1.7M, April 2016 – Sept 2016 (Construction Manager)

Scope: Construction of the conversion of a 4 way intersection to a 4 legged roundabout under live traffic conditions. The intersection involves service relocations of HV Electrical, Telstra and water mains. Installation of granular and deep-lift asphalt pavements, guardrail, stormwater and street lighting/electrical infrastructure.

Kings / Bolivar Road Intersection Upgrade, Adelaide, SA

Department of Transport, Planning & Infrastructure, \$3.3M, January 2016 – Sept 2016 (Construction Manager)

Scope: Construction Manage a 3 legged intersection as the first package of the \$900m Northern Connector Project in Adelaide's northern suburbs. The intersection involves work under live traffic (28,000-40,000vpd), service relocations of gas, Telstra and watermains. Installation of granular and deep-lift asphalt pavements, extensive RCBC and stormwater pipework and street lighting/electrical infrastructure. The project is working under an accelerated program in a highly sensitive urban and political landscape. The scope also involves extensive cultural heritage management and the provision of a live training site for the Northern Connector Project.

ANZAC Centenary Memorial Walk, Adelaide, SA

Department of Transport, Planning & Infrastructure, \$8.25M, October 2015 – May 2016 (Construction Manager)

Scope: The ANZAC Centenary Memorial Walk project was the flagship project nationally commemorating the centenary of ANZAC. The project located on the western side of Kintore Avenue, North Adelaide created a new 7m wide memorial walk, open views to Government House and a series of etched granite panels showing images from a century of service.

The key project deliverables included; Demolition of existing Government House fence. Earthworks to convert previously Government House Garden bed area into public memorial walk. Detailed structural footings and plinths for new open steel fence, etch granite fence and granite clad planter boxes. Approximately 4000m² of structural slabs paved with locally sourced granite pavers.

BMD committed to delivering the project in time for official opening held Saturday 23rd April. This date was achieved despite a very tight original program and the addition of \$1.4 million additional scope being included in the works. The successful project opening led into an equally successful ANZAC day dawn service on Monday 25th April.

The construction team maintained a close relationship with Government House staff, mitigating the risk of disruption to the most sensitive stakeholder associated with the project.

Bluetongue Creek Drain, Blakeview, SA

Lend Lease Communities, \$1.1M, February 2016 – April 2016 (Construction Manager)

Scope: Excavate and construct 1.1km of reno-matress lined drainage channel through the LLC subdivision at Blakeview. The project also entailed the construction of 10 major drop structures, 4m high gabion retaining walls, bluestone dry stack walls and the construction of a 4/1500*900 RCBC. The project team worked intricately with the client/consultant to reduce the ultimate cost of the project to Lend Lease by more than 20% of the contract value.

Design & Construct - Kauri Parade Sporting Complex, Holdfast Bay, SA

City of Holdfast Bay, \$4.7M, June 2015 – January 2016 (Construction Manager)

Scope: The design and construction a complex containing 12 tennis courts and 2 multiuse tennis courts on a former landfill site at John Mathwin Reserve Seacliff. The design and construction involves the remediation, removal, processing and capping of on-site landfill waste, landfill gas and groundwater management under strict environmental restrictions. The main components are an 8,000m² plexipaved concrete pad structure supported on 540 driven piles with an integral landfill gas management and monitoring system, with associated gabion walls, stormwater, electrical and lighting provision for the complex. Detailed programming and site management has ensured the project is to be completed 5 weeks earlier than originally programmed.

Early Contractor Involvement - Henley Square Redevelopment, Henley Beach, SA

City of Charles Sturt, \$8.7M, March 2015 – November 2015 (Construction Manager)

Scope: The Henley Square Redevelopment is a complete revitalization of Henley Square located in one of Adelaide's busiest suburban beaches. The works were situated in a highly sensitive area amongst local traders and residents where works were coinciding with normal operational trading hours.

The key project deliverables included; Demolition of existing pavements and structures, Installation of approximately 3700m² of exposed aggregate pavements, 350m³ of coloured concrete to provide a new beach access terraced stairway the 'Edge', 180m of custom furniture including 'Ripple Lounge and Flotsam seating', 3000m² of new 'Big Lawn' area, Construction of central reflection pool water feature and interactive beach showers, Installation of custom furniture including ripple lounge and flotsam seats, New 'Ablutions' building, Installation of new structural steel shelters, and Reconfigured and resurfaced North and South car parks. BMD worked closely with the client over a number of months to come up with over \$800,000.00 worth of value management savings to bring the project within the client's budget.

The construction team undertook the project in a highly sensitive area, alongside ongoing trader operations and within one of Adelaide's busiest suburban beaches. Strategies were developed for stakeholder management including intricate scheduling of works to provide minimum possible disruption. The project was also scheduled during the winter months in order for completion ready for the busy summer trading period.

Muirhead Stage 5B, 6&7 Subdivision, Muirhead, NT

Defence Housing Australia, \$26M, February 2015 – September 2016 (Senior Project Manager)

Scope: To construct a 244 Lot residential subdivision in 3 sub-stages delivered concurrently. The stages incorporated approximately 12km of kerbing & footpath works, 9km of Sewer & stormwater, 4km of watermain, specialist Ecosol GPT's & 41,000m² of Detention Basins, 180,000m³ of earthworks cut to fill, 24,000m³ treatment of uncontrolled fill and 31,000m² of asphalt and pavement works. A \$5.5m Electrical and NBN Package was installed. The Project was completed 4 weeks ahead of schedule.

Gateway Shopping Centre, Palmerston, NT

Coombs Property Group, \$15M, February 2015 – July 2016 (Senior Project Manager)

Scope: To Construct the major civil infrastructure for a \$130m shopping centre. Works entailed rebuilding of Yarrowonga Road, construction of a new slip lane & major drainage off the Stuart Highway and reconstruction of Roystonea Avenue. The slip lane required the D&C extension of a major pedestrian bridge structure and walkway by 250Lm. High Voltage 11/22KV power was also relocated from overhead to underground. The main fibre-optic line to/from Robertson Barracks was also rerouted around the worksite. Watermain, Telstra and major kerb/guardrail works were also performed in addition to the installation of 3km of stormwater infrastructure to the site. Extensive stormwater, concrete and flexible pavements and earthworks were involved on the project with extremely tight timeframes and integration with the client's commercial builder of paramount importance.

Managing Contractor - Tiger Brennan Drive Duplication, Darwin, NT

Department of Infrastructure, \$98M, September 2014 – March 2015 (Engineering & Commercial Manager)

Scope: The project consisted of the construction of a 9km duplication of Tiger Brennan Drive from Woolner Rd to Berrimah Rd, Darwin. The works involve 450,000m³ of rock cut achieved via surface mining and associated embankment fill, a 0.8km section of Mass Soil Mixing to depths of 4m to stabilise marine soft soils to facilitate road construction. A new road bridge is to be constructed above the new and existing alignments to allow continued access to the Hidden Valley Race Track. There are 8 large culvert structures and approximately 6km of stormwater installed. PUP relocations, diversions and new works incorporate approximately \$4m of 66Kv/11Kv Electrical, with significant sewer/water relocation works associated with the road construction. 5 Major Intersections were constructed/reconstructed with new intersection alignments and traffic signals and the new alignment contains approximately 9.2km of Guardrail works.

Muirhead Stage 4&5 Subdivision, Sewer Pump Station & External Watermain, Muirhead, NT

Defence Housing Australia, \$36M, January 2014 – December 2014 (Senior Project Manager)

Scope: To construct a 275 Lot residential subdivision in 6 sub-stages to be delivered concurrently. The stages incorporated approximately 15km of kerbing & footpath works, 10km of Sewer & stormwater, specialist Ecosol GPT's & Detention Basins, 120,000m³ of earthworks cut to fill and 45,000m² of asphalt and pavement works. A \$7.5m Electrical and NBN Package was also installed. The works also involved a Sewerage Pump Station valued at \$2.5m and a 1.2km 450mm DICL Watermain installed externally to the subdivision. The project finished 6 weeks ahead of its scheduled contractual completion date.

Radford Road Sewer Pump Station, Palmerston, NT

Department of Infrastructure, \$3M, September 2013 – April 2014 (Senior Project Manager)

Scope: To construct a new SPS and associated headworks for the expanding Zuccoli Subdivision in Palmerston, NT. The headworks involved 750Lm of DN225 Rising Main, 750Lm of DN300 Gravity Main, 900Lm of Overhead 22Kv with associated substation and 1km of Access Road. The SPS consisted of a 1500mm x 4m deep collection chamber, 2700mm by 6m deep Wet Well (with 3 x 37Kw Flygt Pumps), a 32.5m x 4m x 3m Concrete Emergency Overflow Chamber, Master Control Room and associated Telemetry Masts and Systems.

Muirhead Stage 3 Subdivision, Muirhead, NT

Defence Housing Australia, \$19M, March 2013 – October 2013 (Senior Project Manager)

Scope: To construct a 189 Lot residential subdivision in 3 sub-stages to be delivered concurrently. The stages incorporated approximately 8km of kerbing & footpath works, 3km of Sewer & stormwater, specialist Ecosol GPT's, 125,000m³ of earthworks cut to fill and 25,000m² of asphalt and pavement works. A \$3.6m Electrical and NBN Package was also installed. The project finished 7 weeks ahead of its scheduled contractual completion date.

McMinn ZSS to Inpex Workers Camp Intake Station 22KV Feeder, Howard Springs, NT

Power & Water Corporation, \$4.5M, November 2012 – April 2013 (Senior Project Manager)

Scope: To provide 22KV electrical reticulation underground from McMinn Zone Substation to the new Inpex Workers Camp at Howard Springs. The project involved 10.5km of 22KV feeders. Working with specialist subcontractors BMD completed the civil and electrical installation including testing and commissioning for Power Water. BMD redesigned the scope of works for under bores for the client reducing the contract quantity of Boring from 500Lm to 240Lm resulting in significant cost savings. BMD's relationship with specialist thrust boring and HDD subcontractors led to significant time savings on the project for all parties. Productivities averaged 700Lm of conduit installation per week with peak productivities of up to 270Lm of trenching completed per day.

Muirhead Stage 2 Subdivision, Muirhead, NT

Defence Housing Australia, \$16M, August 2012 – January 2013 (Senior Project Manager)

Scope: To construct a 166 Lot residential subdivision in 4 sub-stages to be delivered concurrently. The stages incorporated approximately 7km of kerbing & footpath works, 3km of Sewer & stormwater, specialist Ecosol GPT's, 70,000m³ of earthworks and 22,000m² of asphalt and pavement works. A \$3.5m Electrical and NBN reticulation package was also installed.

Muirhead External Watermain, Muirhead, NT

Defence Housing Australia, \$3M, August 2012 – January 2013 (Senior Project Manager)

Scope: To construct 1.6km of 600mm Diameter MSCL watermain and ancillary fittings to provide new infrastructure to the new Muirhead stage 2 subdivision. The works were taken adjacent to Lee Point Road traffic and the main footpath from Lyons/Muirhead to Casuarina Shopping Centre.

Landsborough Highway, Morven - Augathella, QLD

Department of Transport & Main Roads, \$85M, November 2011 – August 2012 (Project Manager)

Scope: Landsborough Highway full width reconstruction, in-situ stabilisation, pavement overlay and sealing works to 67km of National Highway. 2 Bridges were rehabilitated and 3 major culverts consisting of 20/2100*2100, 7/2100*2100 RCBC's and 4/2100*2100 RCBC's were also designed and constructed requiring side-tracks and major culvert lifts. The project also reconstructed/repaired 95 additional culverts along 95km of highway.

Tim led the planning material change of use process and landholder negotiations to open up 5 new quarries near the project site and a centralised crushing and pugging plant adjacent to the highway. These works allowed the project to source up to 1.2 million tonnes of road base locally instead of carting 230km from the regional quarry.

Bridgeman/Beckett Road Stage 1, 2&3, Bridgeman Downs, QLD

Brisbane City Council, \$32M, November 2010 – November 2011 (Project Manager)

Scope: Stage 1: 3.2km - Construction of a new four lane road with center median between Linkfield Road and Beams Road, Installation of traffic signals at Beams and Bridgeman Road, just north of Beams Road and at Bridgeman Roghan Road (west) intersection

Stage 2: 1.6km - Widening the current road to four lanes with center median Beams Road and Graham Road, installation of U-turn facilities along Bridgeman Road (both of Graham Road and south of Beams Road), installation of traffic signals at the Beams Road and Graham Road Intersection

Stage 3: 1.4km - Widening the current road to four lanes with center median strip between Graham Road and Saturn Crescent/Casuarina Street, installing traffic signals at the Darien Street and Beckett Road Intersection, installing U-turn facilities at Albany Creek and Beckett Roads and Beckett Road and Darien Street intersections, upgrading the existing Albany Creek Road and Beckett Road intersection (TMR Controlled), all stages incorporated the installation of on-road lanes and pedestrian footpaths, all stages involved installation of major storm water infrastructure including up to 2100 RCP culverts, all stages involved major landscaping packages including extensive remediation to residential property frontages

BAC H2S Taxiway Expansion, Brisbane Airport, QLD

Brisbane Airport Corporation, \$3M, January 2011 – June 2011 (Project Manager)

Scope: The Airside project involved the construction and expansion of the H2S Taxiway. Works included removal of 60,000m³ of preload material, replacement of unsuitable material below the tidal RL, establishment and operation of an on-site pugmill to place 4,000m³ of Airport Specification Fine Crushed Rock, overlain with Specialised Asphalt Pavement. The project also involved the installation of 12 major Airport Ground Lighting (AGL) structures, 750Lm of electrical trenching, installation of twin RCP600 Class 6 Saltwater culverts and associated drainage works

Alice Springs 66KV Feeder, Alice Springs, NT

Power & Water Corporation, \$21M, April 2010 – November 2010 (Project Manager)

Scope: To provide 66KV electrical reticulation underground from existing overhead infrastructure south of Alice Springs to the newly upgraded Lovegrove Drive Substation within the town. The project involved 8km of twin 66KV feeders and also approx. 2 km of conduit for a future 22KV upgrade. Working with specialist subcontractors BMD completed the civil and electrical installation including testing and commissioning for Power Water. The route requires involved 500Lm of 900mm Thrust Boring under the DCI controlled Stuart Highway and also the main railway line from Adelaide to Darwin at 5 locations without interference to railway or road users. The thrust bores were also required to be filled with BlueCem EA55 grout, a low heat of hydration, high-strength, and low thermal resistivity grout. This project has involved the largest use of this grout in Australia to date.

The design route required the reconstruction of 1.6km of service road and extensive works around Environmentally Significant and Sacred sites under NTRETAS and AAPA permits. The works were completed with over 100 existing service crossings with zero damage to existing underground or overhead assets including gas, fibre optic, and 900mm water mains and associated infrastructure. The project required the conversion of the Holcim concrete batch plant to accommodate a project specific Fluidised Thermal Backfill to provide the electrical resistivity requirements of Power Water.

Alliance - QML – Transition to Free-Flowing Tolling- Logan Alliance, Loganlea QLD

Queensland Motorways, \$70M, Sept 2008 – Sept 2009 (Area Project Manager – Loganlea/Larapinta Interchange)

Scope: BMD worked with QML to accommodate the higher speeds associated with free-flowing extensive civil works were required at the toll points on the Logan and Gateway Extension motorways. The Logan Alliance scope of works included upgrading the motorway interchanges at Loganlea, Heathwood, Kuraby and Larapinta which involved designing and constructing seven new on and off ramps and modifying four; upgrading six local road intersections; and a new signalized intersection at Loganlea. The interchanges at Loganlea and Heathwood were both reconfigured from cloverleaf to full-diamond designs. Following the commencement of free-flow tolling, the Alliance demolished four old toll plazas and reinstated seven kilometres of motorway in the area of the demolished toll plazas, and in the process reconditioned and reconstructed 2 bridges at Loganlea.

Alliance - Southern Approach to Ingham - Ingham Alliance, Ingham, QLD

Department of Transport & Main Roads, \$28M, April 2007 – September 2008 (SPE then Alliance Manager)

Scope: MD Constructions worked with the Department of Main Roads and Maunsell AECOM in an Alliance to upgrade the Bruce Highway between Tokalon Road and Lannercost Street. The project involved the upgrade of a 3.2km section of the highway, construction of service roads and the installation of traffic lights at the intersections from Townsville Road McIlwraith and Lannercost Street. Details included widening to 11m/19m sealed pavement; installation of 14/2100*2100 RCBC's lanes Pound Creek and 21/2100*2100 RCBC's at the Pound Creek Overflow; right turn protected and deceleration auxiliary lanes at seven separate points and right turn protected auxiliary lanes at four intersections; traffic signals including pedestrian facilities; a service road for the Main Roads Depot, Van Park and DPI Forestry properties; and additional service roads on both the eastern and western sides (1.6km).

Summary of previous experience

Project	Client	Value
Gawler Place Redevelopment	City of Adelaide	\$8.2M
NHPT Temple Stage 3B	NHPT Association of Australia	\$5.7M
Parafield Park'n'Ride	DPTI	\$3.2M
Kangaroo Island Road Resheeting Stage 7 PMCA	DPTI	\$2.2M
Upper Yorke Peninsula Overtaking Lanes 2B/2H	Downer EDI (DPTI)	\$2.7M
Sturt Highway Overtaking Lanes Package 1	DPTI	\$2.4M
Sturt Highway Overtaking Lanes Package 2	DPTI	\$2.0M
London Street Bridge Replacement	City of Port Lincoln	\$4.5M
Riverview Stage 1	Actium	\$2.0M
Angus Views Stage 1	Linder Developments	\$2.0M
Mannum School STEM Upgrade D&C	DPTI	\$2.6M
Kangaroo Island Airport Upgrade –Airside A.2-Runway Overlay & Extension, SA	Kangaroo Island Council	\$6.0M
Murray Bridge North School STEM Upgrade	DPTI	\$1.0M
Woodforde Stage 1 Redevelopment, SA	Starfish Developments	\$5M
City of Charles Sturt - Bikeway & Boardwalk Construction, SA	City of Charles Sturt,	\$4.5M
Ceduna Truck Refuelling Facility, SA	PUMA Energy	\$1.5M
T2T Alliance Stormwater Installation, SA	T2T Alliance	\$2M
Woodbridge Angle Vale Stage 1-4, SA	Actium Developments	\$7.0m
Newenham Estate Stage 1A/1B, Stage 2, 3A, 3B, Intersection and Headworks, SA	Burke Urban	\$8.1m
City of Playford Northern CBD Upgrade, SA	City of Playford	\$7.1M
Two Wells (Longview) Stage 1&2, SA	Weeks Development,	\$2.2m
Humbug Scrub Roundabout, SA	Department of Transport, Planning & Infrastructure	\$1.7m
ANZAC Centenary Memorial Walk, SA	DPTI	\$8.25m
Bluetongue Creek Drain, SA	Lend Lease Communities	\$1.1M
Kauri Parade Sporting Complex, City of Holdfast Bay, SA	City of Holdfast Bay	\$4.7m
Henley Square Redevelopment, SA	City of Charles Sturt	\$8.7m
Muirhead Stage 5B, 6 & 7 Subdivision, NT	Defence Housing Australia	\$26m
Gateway Shopping Centre, NT	Coombs Property Group	\$15m
Muirhead Stage 4 & 5 Subdivision, Sewage Pump Station & External Watermain, NT	Defence Housing Australia	\$36m

Radford Road Sewer Pump Station, NT	Department of Infrastructure	\$3m
Muirhead Stage 3 Subdivision, NT	Defence Housing Australia	\$19m
McMinn ZSS to Inpex Workers Camp Intake Station 22KV Feeder, NT	Power Water Corporation	\$4.5m
Muirhead Stage 2 Subdivision, NT	Defence Housing Australia	\$16m
Muirhead External Watermain, NT	Defence Housing Australia	\$3m
Bridgeman/Beckett Road Stage 1, 2 & 3, Bridgeman Downs/Albany Creek, QLD	Brisbane City Council	\$32m
H2S Taxiway Expansion, QLD	Brisbane Airport Corporation,	\$3m
Alice Springs 66KV Feeder, NT	Power Water Corporation	\$21m
The Heights Durack St1/2 & External Headwork's, NT	CIC Australia	\$7.2m
Bicentennial Bikeway, Brisbane, QLD	Brisbane City Council	\$4.2m
Angus Smith Drive/Riverside Boulevard Roundabout Intersection, QLD	Townsville City Council	\$1.0m
Kalynda Chase Residential Development Stages 1-5, QLD	Urbex	\$15m+
Aspley Isle Estate & Willowbank Drive, QLD	Urbex / Willowbank JV	\$3.3m
Crestbrook Estate – Stages 18 – 24, QLD	Urbex	\$10m+
Yarrowonga Estate – Stages 24, 26 and 27, QLD	Urbex	\$3.5m

Shane Hooper Site Foreman



Shane is a results driven, self-motivated Site Civil Foreman. With over 25 years in the industry, Shane's leadership qualities enable an organised, energetic and safety driven approach to all projects that he manages. Shane's 'No Problems, Just Solutions' attitude helps maximise his team's ability to work under pressure to meet any and all key Client's milestones.

Having vast amounts of experience in the industry, including; the Urban Superway (SA), Roy Hill Rail Section 2 & 3 (WA), Adelaide Airport Upgrade (SA) and Cape Preston Iron Gorgan Gas Project (WA), Shane has proven to deliver high caliber results without sacrificing safety, environmental or quality expectations.

Qualifications: Power Shovel Operator; WA Department of Mines & Energy; Workplace Trainer (Cert 4); Industry Training Centre; Workplace Assessor (Cert4); Industry Training Centre; Certificate II in Coal Operations; Richards Mining Services; Full OHS National Plant Ticket; Star Training & Assessing; Certificate IV in Frontline Management; ACAL; Appointed Person section 44; Site Skills Training; BHP Field leadership training; Senior First Aid; Driver's Licence: Heavy Combination; White Card

Years in industry: 25+ years

Detailed project experience

Parafield Park'n'Ride, Parafield, SA

DPTI, \$3.2M, February 2018 – Current (Foreman)

Scope: BMD was awarded the reconstruction and expansion of the Parafield Park'n'Ride for DPTI. The project entails the construction of a new 300 capacity car park, landscaping, earthworks, pavements, DDA compliant pedestrian pathways, as well as CCTV, Lighting and Station Upgrade Works as well as intersection and access upgrades under live traffic conditions.

Upper Yorke Highway Overtaking Lanes 2B/2H, Upper Yorke Peninsula, SA

Dowenr EDI (DPTI), \$2.7M, January 2018 – May 2018, (Foreman)

Scope: The construction and extension of 3 overtaking lanes along the Yorke Highway, undertaken concurrently as part of the Upper Yorke Peninsula Regional Road Network Upgrade Program which aimed to improve safety and efficiency for heavy vehicles, motorists and agricultural vehicles driving on roads through the Upper Yorke Peninsula. Key deliverables included clearing, bulk earthworks, profiling, subgrade stabilisation, construction of pavements, bituminous works, pavement marking, road signage and drainage.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Kangaroo Island Airport Upgrade –Airside A.2-Runway Overlay & Extnesion, SA

Kangaroo Island Council, \$8.35M, January 2017 – December 2017, (Foreman)

Scope: Kangaroo Island Council's \$18 million upgrade of Kangaroo Island Airport (Kingscote) involves an extension to the runway and building cargo processing facilities, and a larger terminal. The project is jointly funded by Kangaroo Island Council, the National Stronger Regions Fund - the competitive Commonwealth Infrastructure Fund and the State Government.

This upgrade is the largest possible upgrade of these facilities and will allow 100-120 seat regional jets, 85 set turbo-prop Citiflyer type aircrafts to establish direct flights between Sydney/Melbourne and Kangaroo Island.

With the island being one of South Australia's most popular tourist attractions, this vital upgrade will address the time and cost access challenges that are currently experienced.

Building on BMD's experience in air and landside works for clients operating airport infrastructure throughout Australia, BMD was awarded the \$5.5 million runway extension project and commenced these airside works in January 2017. BMD's scope of works include all earthworks, drainage, lengthening, strengthening and sealing of the main runway and associated taxiway, apron and lighting requirements.

Key responsibilities and achievements: BMD proudly acknowledges the contribution of Aboriginal and Torres Strait Islander peoples in our workforce and have been working closely with Adelaide Training & Employment Centre, the Department of State Development and TAFE South Australia to find the right candidates for labouring positions on the project.

Humbug Scrub Intersection Upgrade, Humbug Scrub, SA

Department of Planning, Transport and Infrastructure, \$1.6m, April 2016 – August 2016 (Foreman)

Scope: Located at the intersection of One Tree Hill, Gawler, Humbug Scrub and Kersbrook Roads, BMD were required to undertake the construction of a new roundabout on a live intersection. In order to maintain traffic flow, BMD created a detailed methodology to undertake all offline works prior to a profile and reinstatement asphalt scope. This allowed for a clean switch in traffic flow from an intersection to a roundabout and allowed for an immediate commencement of the kerbing scope. Project scope of works comprised bulk earthworks, pavements, underground services, kerbing, road lighting, guardrailling, line marking and signage. Features of the bulk earthworks and pavements included the construction of detailed rock lined swales and deep lift asphalt. Underground services included both stormwater and electrical which fed the new outreach light poles. The project highlighted BMD's capability in undertaking road works whilst managing traffic flow and stakeholders.

J4 Haul Road, Carina, WA

Mineral Resources, \$35m, September 2015 – March 2016 (Foreman)

Scope: The new J4 mine commenced mining operations in November 2015 and increased its operational capacity, producing and shipping approximately 800,000 tonnes in the current quarter. This mine has been established with high capacity mining equipment and unique mining methods to significantly improve productivity. The lifeline of the project is a 75km Haul Road running from the Jackson 4 deposit in the north to the Rail Siding in the south; again a major undertaking and without water supply it would be even harder. PIHA teamed up with Mineral Resources to deliver a pipeline 54km in length (delivering 2 million litres of water per day down the haul road) enabling the earthworks to be completed across the site.

Roy Hill Rail Section 2 & 3, Roy Hill, WA

Samsung, \$750m, January 2014 – August 2015 (Foreman)

Scope: Roy Hill's independently owned and operated railway is a 344km standard gauge, single line, heavy haul railway built to transport 55Mtpa of iron ore from the Roy Hill Mine to the dedicated Port stockyard facility.

Situated approximately 115 kilometres north of Newman, Roy Hill is a world-class, low phosphorus, Marra Mamba iron ore deposit located in the Pilbara – one of the world's premier iron ore provinces – and the only independent iron ore project with West Australian majority ownership. The Project consists of; Conventional open pit, bulk mining operation from multiple production benches, 55 Mtpa wet processing plant, 344 kilometre single line, heavy haul railway purpose built, dedicated two berth iron ore port facility at Port Hedland, capable of receiving, stockpiling, screening and exporting 55Mtpa (wet) of direct shipped iron ore as lump and fines. The Roy Hill Project has a defined mineralisation of more than 2.2bt of +50% Fe iron ore of which 1.2bt is +55% Fe, enough to sustain a mine life of more than 17 years

Urban Superway Upgrade, Adelaide, SA

Department of Planning, Transport and Infrastructure, \$844.2m, April 2012 – January 2014 (Foreman)

Scope: The South Road Superway project is the biggest single investment in a South Australian road project, and the state's most complex engineering road construction project to date. This second stage of the north-south transport corridor upgrade delivers a 4.8 kilometre non-stop corridor and comprises a 2.8 kilometre elevated roadway, extending from the Port River Expressway to Regency Road. The Superway connects industry to air / sea ports and intermodal sites, meets future residential and industrial demand and complements long term growth, mining and interstate exports and manufacturing investment.

Adelaide Airport Upgrade, Adelaide, SA

Adelaide Airport Limited, \$75 million, April 2011 – March 2012 (Foreman)

Scope: The \$75 million Adelaide Airport Landside Infrastructure project. Works comprised the construction of a five level multi-deck car park facility comprising 2,000 spaces and a pedestrian access plaza. It also included architectural landscaping, paving, curved feature canopies, a 160 metre structural steel-clad plaza screen, and a link bridge between the airport terminal and car park.

Summary of previous experience

Project	Client	Value
Parafield Park'n'Ride	DPTI	\$3.2M
Upper Yorke Peninsula Overtaking Lanes 2B/2H	Downer EDI (DPTI)	\$2.7M
Kangaroo Island Airport Upgrade, SA	Kangaroo Island Council	\$8.35M
Newenham Mt Barker Stage 2	Flaxley Road Pty Ltd	\$1.7m
Humbug Scrub Intersection Upgrade, Humbug Scrub, SA	Department of Transport, Planning & Infrastructure	\$1.4m
Newenham Mt Barker Stage 1A & 1B	Mt Barker Project Development	\$5.6m
J4 Haul Road, WA	Mineral Resources	\$35m
Roy Hill Rail Section 2 & 3, WA	Samsung	\$750m
Urban Super way, SA	Department of Transport, Planning & Infrastructure	\$842m
Adelaide Airport Upgrade, SA	Adelaide Airport Limited	\$75m

Will Ward Project Manager



Will started with BMD Consulting in 2006, and then moved into BMD Constructions in 2008. Will has gained extensive experience working as an engineer/project manager on numerous infrastructure projects and subdivisions and this in conjunction with having worked in consulting has given him a broad understanding of different aspects of civil construction.

Will has excellent communication and leadership skills and a proven record on delivering complex accelerated projects safely, on time and on budget and would be a valuable asset to any team. He prides himself on hard work, achieving the client's goals and working in a collaborative approach with clients, consultants and subcontractors on projects.

Qualifications: *Diploma of Project Management, Bachelor of Engineering Civil (Honours), Masters in Engineering Science (Civil)*

Years in industry: 12

Detailed Project Experience

Upper Yorke Highway Overtaking Lanes 2B/2H, Upper Yorke Peninsula, SA

Downer EDI (DPTI), \$2.7M, January 2018 – May 2018, Project Manager

Scope: The construction and extension of 3 overtaking lanes along the Yorke Highway, undertaken concurrently as part of the Upper Yorke Peninsula Regional Road Network Upgrade Program which aimed to improve safety and efficiency for heavy vehicles, motorists and agricultural vehicles driving on roads through the Upper Yorke Peninsula. Key deliverables included clearing, bulk earthworks, profiling, subgrade stabilisation, construction of pavements, bituminous works, pavement marking, road signage and drainage.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Kangaroo Island (Kingscote) Airport – Airside Works Runway Construction A2, Kangaroo Island, SA

Kangaroo Island Council, \$8.5M, January 2017 – December 2017, Project Manager

Scope: The project entails the extension and overlay of the existing working runway to accommodate commercial jetliners to expand the Kangaroo Island Tourism Economy. The works involve the extension of both ends of the existing runway and an average of 250mm of granular overlay to the existing runway. Works entail approximately 96,000m² of extended and new runway pavement and triple coat seal. The works entail large protection slabs for existing infrastructure and the construction of an 86.4Lm 4x1200x600 RCBC across the new runway. BMD restaged the clients MOWP to allow a fast tracked construction sequencing reducing the contract duration by 1 month.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Sturt Highway Overtaking Lanes – Package 1, Truro, SA

Department of Transport, Planning & Infrastructure, \$2.4M, October 2017 – March 2018, Project Manager



Scope: The project involves the construction of one new overtaking lane located at RRD 98.39 on the Sturt Highway (Halfway House Road) approximately 20km east of Truro. There is a requirement to extend the existing overtaking lane at RRD 70.71 (Jaeger Road) which is approximately 6km west of Truro. The project also involves the upgrade of the Junction of RN7382 Halfway House Road, and RN7200 Sturt Highway in conjunction with the new overtaking lane. Embankment widening, earthworks and granular pavements are sealed with a 16/7 spray seal with PF1 fabric to extensive sections of the intersections. Safety Barriers, improved road lighting and signage are also within the project scope.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Sturt Highway Overtaking Lanes – Package 2, Renmark, SA

Department of Transport, Planning & Infrastructure, \$2.0M, October 2017 – March 2018, Project Manager

Scope: The project involves the construction of one new overtaking lane located at RRD 191 on the Sturt Highway (Hitman Road) approximately 8km west of Kingston. There is a requirement to extend two existing overtaking lanes located at RRD 234 (Golf Course Road) and RRD232 (Lyrup Road) near Lyrup. Embankment widening, earthworks and granular pavements are sealed with a 16/7 spray seal with PF1 fabric to extensive sections of the intersections. Safety Barriers, improved road lighting and signage are required.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Woodforde Stage 1, Campbelltown, SA

Starfish Developments, \$5.0M, February 2017 – March 2018, Project Manager

Scope: The Construction of a 106 Lot Residential Subdivision on the site of the former Magill Training Centre at the foot of the Adelaide Hills. The project requires the fast tracked construction of external sewer, water, stormwater and electrical headworks and road reconstruction as well as the installation of a 1,600m³ Humes Stormtrap, The site requires the installation of 600Lm of ~3m high Sleeper retaining walls, 300Lm of Blockwork Retaining walls and 250Lm of Concrete retaining walls. A \$0.5m NBN and Electrical package is also required to service the development. There is 12,000m² of road pavement, 1.5km of stormwater, 1,450lm of Sewer and 800Lm of Potable Water Installation.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Yatala Industrial Estate Stage 1, Yatala, QLD

Australand Pty Ltd, \$10m, August 2017 – October 2017, Project Manager

Scope: 400,000m³ of earthworks including rock fill, external road widening, 1500m² of boulder retaining walls up to 5.5m in height, ESC works, pavement works, storm water installation up to 1350mm diameter including precast pits, sewer reticulation in confined corridors, water reticulation, bio retention basins measuring over 2000M² in total, construction of two tiered rock batters with cut off drains up to 20 meters in height and managing service providers.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Cannon Hill Community Links Project Stage 1-4, Cannon Hill, QLD

Urbex 109 Pty Ltd, \$18m, September 2016 – May 2017, Project Manager

Scope: The original construction program of 9 months had to be reduced to 7. The project averaged 100 people working onsite per day with a peak workforce of 156. Construction included a signalised intersection on a major regional arterial road under traffic with limited road closure periods set by council and special Christmas shut down periods, significant trunk sewer and water, road pavements, storm water, electrical and telecommunications infrastructure for the residential estate, bio basin, sleeper and boulder wall construction, fencing and significant landscaping works including park lands and fauna poles up to 33m in length.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.



Brentwood Stage 18-32, Bellbird Park, QLD

Investa Pty Ltd, \$37m, November 2014 – October 2017, Project Manager

Scope: Significant ESC works due to unique topography and dispersive soils, Approximately 800,000M3 of cut to fill, 41,000M3 of export off site, 50,000M2 of 50mm, 40mm, 35mm and 25mm asphalt road surfacing, 19,000m2 of concrete sleeper retaining walls, 6km of storm water ranging between 375dia RCP to 1500dia, 9km of PE sewer reticulation, 7km of water reticulation PVC and PE, bio retention basins measuring over 4,400M2 in total, Design, construction and certification of a rock gabion bio basin outlet channel consisting of over 1800M3 of rock, electrical reticulation and management of service providers including telecommunications and gas.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.



Yatala Industrial Estate Stage 1, Yatala, QLD

Australand Pty Ltd, \$14m, August 2015 – June 2016, Project Manager

Scope: 400,000m³ of earthworks including rock fill, significant blasting (circa 300,000m³), including batter blasting without presplitting with a site specific blast pattern to reduce detailed excavation costs and produce a detailed batter pattern, 3750m² of boulder retaining walls up to 7.5m in height, including interaction between earthworks, pipe installation and walls along common boundaries, ESC works, pavement works, storm water installation up to 1950mm diameter including precast pits, trunk sewer reticulation up to 300mm diameter in confined corridors with ground water ingress, water reticulation, bio retention basins measuring over 1,600M² in total, construction of three tiered rock batters with cut off drains up to 30 meters in height and managing service providers.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.



Freshwater Stages 15 - 21, Griffin, QLD

Stocklands Pty Ltd, \$4m, June 2013 – June 2014, Project Manager

Scope: A 115 lot subdivision development; including acid sulphate soils, ESC, Flexible pavement construction (6000m²); Storm water (1000m of 375-750mm dia RCP); Sewerage reticulation (1500m of 150mm dia uPVC); Water reticulation (1200m of 100-150mm dia uPVC and boulder retaining walls

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Stoneridge Stage 11, Narangba, QLD

Stocklands Pty Ltd, \$1.5m, January 2014 – May 2014, Project Manager

Scope: A 21 lot subdivision development; including significant earthworks and refilling an existing dam, ESC, Flexible pavement construction (1500m²); Storm water (150m of 375-450mm dia RCP); Sewerage reticulation (600m of 160mm dia PE); Water reticulation (200m of 150mm dia uPVC) boulder and sleeper retaining walls

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Capestone Stage 2A2 & Bulk Earthworks, Mango Hill, QLD

Mango Boulevard Unit Trust \$6m, June 2013 – June 2014, Project Manager

Scope: A 77 lot subdivision development; Earthworks (250,000m³), acid sulfate soil treatment, ESC; Flexible pavement construction (6,000m²); Stormwater (700m of 375-900mm dia RCP); Sewerage reticulation (1300m of 150mm dia uPVC); Water reticulation (900m of 100-150mm dia uPVC and concrib retaining walls).

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.

Kinross Stage 1-4, Thornlands, QLD

Ausbuild Pty Ltd, \$7m, March 2013 – June 2014, Project Manager

Scope: A 137 lot subdivision development; Earthworks (40,000m³) and ESC; Flexible pavement construction (15,000m²); Stormwater (1900m of 375-900mm dia RCP); Sewerage reticulation and trunk works (3400m of 150 - 375mm dia uPVC); Water reticulation and trunk works (2300m of 100-200mm dia uPVC, boulder and sleeper retaining walls and external signalised Main Roads intersection).

Key Responsibilities: Procurement, Quality Assurance, management of subcontractors, Contract Administration, Cost control and Forecasting.

Domestic Terminal North Apron Expansion, Stage 2, Brisbane Airport, Brisbane, Qld *Brisbane Airport Corporation, \$36m, August 2011 – March 2013, Project Engineer*

Scope: Brisbane Airport have engaged BMD to construct an extension to the Domestic Apron to increase the capacity of Brisbane Airport for future expansion and growth. The project involves the execution of 250,000m³ of bulk earthworks, electrical and communications reticulation, major storm water drainage infrastructure, water main reticulation and 80,000m² of airfield pavement. A significant portion of the works was completed at night to reduce interference with airside operations.

The project offered unique difficulties as the works are coordinated with a live airfield and numerous stakeholders while complying with Civil Aviation Authority Standards all throughout.

Key Responsibilities: Procurement, management of subcontractors, Quality Assurance, Contract Administration, Cost control and Forecasting.



Capestone Stage 1A, Mango Hill, Qld

Mango Boulevard Unit Trust, \$4.5m, September 2010– June 2011 (Project Engineer)

Scope: The Mango Hill subdivision development will eventually entail approximately 1800 lots on 160 ha of land. The current stage involved the construction of council road and stormwater drainage works including twin bebo arch structures, spanning 40m, and the construction of an external Main Roads signalised intersection under existing traffic with significant traffic management plan development and implementation.



Key Responsibilities: Procurement, management of subcontractors, QA, Traffic Management, Contract administration and Cost control and forecasting.

Cleveland – Redland Bay Road Sewer and Water Services Relocation, QLD

Department of Transport and Main Roads, \$0.8m, March 2010 – July 2010, Project Engineer

Scope: The works include 550m of gravity sewer main, 170m of 150mm uPVC rising main, 170m of 63mm PE rising main, 70m of 450mm DICL, 120m of 375 mm DICL and 60m of 250 mm DICL water main. The works involved relocating trunk water sewer infrastructure around intersections in preparation of future road widening. Also included are live connections with RCC and 140m of thrust boring below trafficked roads.

Key Responsibilities: Procurement, Quality Assurance, Contract Administration, Cost control and Forecasting.

Bunker Road Stage 2-4, Victoria Point, QLD

Ausbuid Pty Ltd, \$1.5m, March 2010 – July 2010, Project Engineer

Scope: A 100 lot subdivision development; Earthworks (20,000m³) and ESC; Flexible pavement construction (3500m²); Storm water (300m of 375-750mm dia RCP); Sewerage reticulation (750m of 150mm dia uPVC); Water reticulation (650m of 100-150mm dia uPVC).

Key Responsibilities:

Procurement, Quality Assurance, management of subcontractors, Contract Administration, Cost control and Forecasting.

Domestic Terminal Common User Apron Works, Brisbane, Qld

Brisbane Airport Corporation, \$4.7m, January 2010 – July 2010, Project Engineer

Scope: This was a key project in Brisbane Airport Corporations development involving an extension to a section of the existing apron and construction a new taxiway which provided another access point to the main runway adjacent to the domestic terminal. The works were to extend the concrete apron adjacent to taxiway Bravo so the centre satellite building could be extended and the terminals capacity could be increased. BMD placed over 8000 m² of pavement quality concrete. The scope also included all associated airfield lighting and electrical works. A key deliverable for the client was to maintain no impact to current airfield operations while crossing 3 live taxiways that feed 26 of the domestic terminal parking bays.

Key Responsibilities:

Quality Assurance; Accountable for mix design submissions for concrete, asphalt and fine crushed rock and collating all the necessary test results; Survey; ITP's for quality submissions; Managing subcontractors; Contract administration; Cost control and forecasting.

Kumbratcho Dam Wall Strengthening, Eatons Hill, QLD

Moreton Bay Regional Council, \$0.25m, November 2009 – December 2010, Project Engineer

Scope: The original dam wall was built around world war two and required additional self-supported mass concrete to provide further stability. The 15m wide, 5m high dam wall was located at the base of an existing dam and had to be constructed from the water side.

Key Responsibilities:

Quality Assurance, Procurement, management of subcontractors, Contract Administration, Cost Control and Forecasting.

Brisbane Airport Domestic Terminal Expansion Works, Brisbane Airport, Qld

Brisbane Airport Corporation Limited, \$8.3m, February 2009 – July 2009, (Site Engineer)

Scope: BMD Constructions was engaged to undertake an early works package to expand existing access and parking facilities around the domestic terminal. Roadworks involved widening of Dryandra Road, construction of a new 600 metre access road for the Virgin car park, and construction of a new access face road for the NARP / terminal face. Services involved installation of electrical and various communication infrastructure. Concrete works involved over 300m of new footpath constructed with a further 400m of footpath widened, and 230m² of concrete hardstand to facilitate the pay booth structure.



Key Responsibilities:

Assessment of drawing changes and Variation submissions.

Sovereign Heights Estate 6 - Stage 3, Thornlands, Qld

Urbex, \$1m, September 2009 – November 2009 (Site Engineer)

Scope: A 32 lot subdivision development; Earthworks (5,000m³) and ESC; Flexible pavement construction (3200m²) including 1400m³ of subgrade replacement; Storm water (400m of 375-875mm dia RCP); Sewerage reticulation (160m of 150mm dia uPVC); Water reticulation (470m of 100-150mm dia uPVC).

Key Responsibilities:

Procurement, QA, Contract administration, management of subcontractors, Cost control and forecasting.

Benhiam Street Townhouse Development stages 1-3, Calamvale, Qld

AV Jennings, \$1.5m, June 2009 – November 2009 (Site Engineer)

Scope: The 5 lot and 60 unit pad job is located within Calamvale, Brisbane and had dispersive soil types. The project involved:

Continual update of ESC plans, implementation and monitoring; Internal plumbing (uPVC); Construction of two 210m³ detention tanks using precast units and storm water drainage, including tunnel boring. Earthworks and roadworks, including construction of a roundabout on an existing T intersection. Sewerage (PE) and water (uPVC) reticulation and conduiting, including tunnel boring.

Key Responsibilities:

Procurement, QA, management of subcontractors, Contract administration, Cost control and forecasting.

Talbot Hangar Pavement Works, Brisbane, Qld

Talbot Group, \$2.2m, November 2008 - July 2009 (Site Engineer)

Scope: Part of a private airport hangar construction, works involved earthworks, storm water drainage and flexible pavement construction of an airport taxiway and apron. The site encountered extremely poor ground conditions, with acid sulfate marine mud prevalent, resulting in 2m deep pavements.

Key Responsibilities:

Procurement, QA, management of subcontractors, Contract administration, Cost control and forecasting.

Muirhead Townhouse Development, Brisbane, Qld

INY Pty Ltd, \$1m, June 2007 – June 2008 (Graduate - Project Engineer)

Scope: (BMD Consulting) Managed the design, council approval, tendering and construction supervision for the civil, electrical and telecom works for a 40 unit townhouse development at Calamvale.

Radius Industrial City, Larapinta, Qld

Radius Industrial Pty Ltd, \$14.3m, January 2007 – June 2008 (Graduate - Project Engineer)

Scope: (BMD Consulting) Participated in the design, council operational works approval, tendering and construction supervision of a 100 ha industrial subdivision located at Larapinta. The development included numerous major elements, including:

1000m of 400mm diameter PE gravity sewer lines with 12m deep excavations and tunnel boring in sections,
2500m of 250mm diameter uPVC sewer rising main,
1500m of 450mm dia DICL trunk water main,
1 km of external road and storm water upgrades to arterial standard (minor).
Over 1,000,000m³ of earthworks.

Summary of experience

Project	Client	Value
Upper Yorke Peninsula Overtaking Lanes 2B/2H	Downer EDI (DPTI)	\$2.7M
Sturt Highway Overtaking Lanes Package 1	DPTI	\$2.4M
Sturt Highway Overtaking Lanes Package 2	DPTI	\$2.0M
Kangaroo Island Airport Upgrade –Airside A.2-Runway Overlay & Extension, SA	Kangaroo Island Council	\$6.0M
Woodforde Stage 1 Redevelopment, SA	Starfish Developments	\$5M
Yatala Industrial Estate stage 3 & 4	Frasers	\$10m
Cannon Hill Community Links Project stage 1-4	Urbex	\$18m
Brentwood Stages 18-32 (subdivisional works)	Avid	\$37m
Yatala Industrial Estate stage 1	Australand	\$14m
Kinross stage 1 -4 (subdivision and main roads works)	Andiworth	\$7m
Freshwater stages 15 - 21 (subdivision works)	Stockland	\$4m
Stone Ridge stage 11(subdivision works)	Stockland	\$1.5m
Beaudesert Road (subdivision works)	King International	\$1m
Lavender Hill stage 2 (townhouse works)	Onyx Property Group	\$0.3m
Boundary Road Trunk Sewer	Navco Property Group	\$0.3m
Brisbane Airport Domestic Terminal Expansions Stage 2, QLD	Brisbane Airport Corporation	\$36m
Mango Hill stage 4 (subdivision works)	Mango Boulevard Unit Trust	\$2.3m
Capestone Stage 2A2 & Bulk Earthworks Mango Hill QLD	Mango Boulevard Unit Trust	\$6m
Capestone Stage 1A, Mango Hill (subdivision and main roads works)	Mango Boulevard Unit Trust	\$4.5m
Benhiam Street Townhouse Development stages 1-3, Calamvale, Qld	AV Jennings	\$1.5m
Cleveland - Redland Bay Road Sewer & Water Services Relocation, Thornlands, Qld	Department of Transport and Main Roads	\$0.8m
Bunker Road Stage 2 - 4, Victoria Point, Qld	Ausbuild Pty Ltd	\$1.5m
Common User Apron Expansion 2010 - Brisbane Airport, Qld	Brisbane Airport Corporation Pty Ltd	\$5m
Kumbartcho Dam Wall Strengthening Project, Eatons Hill, Qld	Moreton Bay Regional Council	\$0.25m
Sovereign Heights Estate 6 - Stage 3, Thornlands, Qld	Urbex	\$1m
Benhiam Street Townhouse Development, Calamvale, Qld	AV Jennings	\$1.5m
Brisbane Airport Domestic Terminal Expansion Works, Qld	Brisbane Airport Corporation Pty Ltd	\$8.3m
Talbot Hangar Pavement Works, Brisbane, Qld	Talbot Group	\$2.2m
Radius Industrial City, Larapinta, Qld	Radius Industrial Pty Ltd	\$14.3m
Muirhead Townhouse Development, Brisbane, Qld	INY Pty Ltd	\$1m

Tammy Cooper

Systems/ Safety Officer



With almost a decade spent within the civil construction industry and a background in practical application as a leading hand, Tammy has developed insight and a comprehensive understanding of construction safety from the ground up. She works closely with Site Managers and Foreman to assist in the development and review of Safe Work Method Statements (SWMS), particularly for high risk activities to ensure areas of potential risk are thoroughly investigated with mitigation and control measures in place prior to commencement of work.

Tammy's key responsibilities are to manage, prepare and implement project specific Safety Plans, manage and oversee SWMS / JHA's, monitor and record safety performance on site, and ensure the project team are kept informed regarding all changes to the corporate management system.

Her personable nature, stringent management style and ability to engage with internal crews and subcontractors alike has seen her positively influence the construction techniques adopted across each of her projects.

Qualifications: Certificate III in Civil Construction, Elevated Work Platform Training, Occupational Health & Safety Supervisor, Various Tickets: FEL, Forklift, Skid Steer, Backhoe and 30t Excavator, BOOM Lift, HR Truck, EWP, Dogman & Rigger, St Johns Ambulance Senior First Aid, Work Zone Traffic Management, Safety Supervisor Training, SA Water Pipe Laying Course

Years in industry: 11

Detailed Project Experience

Gawler Place Redevelopment, Adelaide, SA

City of Adelaide, \$8.2M, March 2018 – July 2019

Scope: Gawler Place is a key link to the transport corridor of Grenfell Street, the new tram stop on North Terrace and the ANZAC Memorial Walk on Kintore Avenue, the cultural boulevard of North Terrace and the Riverbank precinct. As a vital connector for these key city destinations, Gawler Place is in high-demand from both pedestrians and vehicles. The quality and function of the street is in poor condition and is being upgraded to meet increasing demands, improve the Mall precinct and align with the high quality of Rundle Mall.

The upgrade will include Gawler Place North (North Terrace to Rundle Mall) and Gawler Place South (Rundle Mall to Grenfell Street) to establish a contemporary, pedestrian focussed link, connected to the heart of the Rundle Mall Precinct. The scope includes, demolition of existing roadways, stormwater installation, CST installation, granular pavements, concrete pavements, asphalt pavements, extensive granite paving, lighting, tree planting and seating under 25,000ppd and extensive traffic/community staging/management requirements.

NHPT Temple Stage 3B, Sellicks Beach, SA

NHPT Temple Association, \$5.7M, March 2018 – March 2019

Scope: BMD has been appointed Managing Contractor for the installation of a steel frame supported 6 storey timber Buddhist Temple at Sellicks Beach. The works involve the staged construction with specialist carpenters and mechanical, electrical and hydraulic services required to be constructed. This project complements and maintains our long-term relationship with the NHPT Temple Association of Australia

Parafield Park'n'Ride, Parafield, SA

DPTI, \$3.2M, February 2018 – August 2018

Scope: BMD was awarded the reconstruction and expansion of the Parafield Park'n'Ride for DPTI. The project entails the construction of a new 300 capacity car park, landscaping, earthworks, pavements, DDA compliant pedestrian pathways, as well as CCTV, Lighting and Station Upgrade Works as well as intersection and access upgrades under live traffic conditions.

PMCA - Kangaroo Island Road Reconstruction Stage 7, Kangaroo Island, SA

DPTI, \$2.2M, January 2018 – May 2018

Scope: BMD was awarded the project in a project management contract administration (PMCA) capacity, the first time DPTI has conducted this construction model with a civil contractor.

The project's scope involves upgrading existing roads at two major locations on the island, the first being a 19 kilometre section of the Rowland Hill Highway which includes raising 93,000 tonnes of material from a local property's borrow pit. Once upgraded, the highway will be used as a major freight route to Penneshaw where the island's ferry docks. The resheeting of Rowland Hill Highway also involves the upgrade of 26 culverts, as well as the realignment of two intersections to improve safety for motorists.

The second part of the project involves upgrading a 5 kilometre section of the frequently used tourist route, North Coast Road, with the upgrade running west from Stokes Bay. The upgrade involves using 17,000 tonnes of pre-raised material during construction and the project team will upgrade six culverts as part of the works. As a PMCA contract, BMD will provide project management for the works as a representative of the client.

Upper Yorke Peninsula Road Overtaking Lanes 2B/2H, Upper Yorke Peninsula, SA

Dowenr EDI (DPTI), \$2.7M, January 2018 – April 2018

The project involves the construction of 2 overtaking lanes comprising 5km of new roadway on the Upper Yorke Peninsula. Works comprise vegetation removal, pavement demolition, embankment widening, earthworks, subgrade stabilisation, placement of granular pavements and sealed with a 16/7 spray seal. Linemarking, Signage, Guideposts and Safety Barriers were also installed.

Mannum Community College STEM Upgrade, Mannum, SA

DPTI, \$2.6M, January 2018 – September 2018

Scope: The project entailed the staged demolition of the existing internal fitout of 3 School Buildings to create an open plan learning environment. The refurbishment provides reconfigured spaces to include a common area and learning areas to encourage imagination and support innovation. The new fitout provides an upgrade of mechanical, electrical and hydraulic services as well as landscaping/paving upgrades.

Coastal Bikeway & Boardwalk Construction, City of Charles Sturt, SA

City of Charles Sturt, \$4.5M, January 2018 – December 2018

Scope: The Design & Construction of 1km of 3.5m wide raised boardwalk on 4m spaced screw piles and 2km of shared 3.5m wide shared path through a highly ecological sensitive dune habitat between Grange and Semaphore. The project has highly complex community engagement issues resolved through management of the Design and Construct process.

The project involves the installation of several feature landscaped nodes which will mark the community entranceways to the bikeways route. BMD's piling and boardwalk construction methodology and materials will be Adelaide's longest shared raised bikeway once completed.

Angus Views Stage 1, Angaston, SA

Linder Developments, \$2.0M, January 2018 – April 2018

Scope: The project involves the headworks provision of a new intersection to provide access to the new developments as well as the construction of stormwater detention structures and 22 Residential Allotments with associated sewer, stormwater, watermain, CST and road pavements

Riverview Stage 1 & Roundabout, Angle Vale, SA

ACTIUM Land Developments, \$2.0M, January 2018 – May 2018

Scope: The project involves the headworks provision of a new roundabout to provide access to both the Woodbridge and Riverview Developments on Heaslip Road, Angle Vale as well as the construction of stormwater detention structures and 25 Residential Allotments with associated sewer, stormwater, watermain, CST and road pavements

Kangaroo Island (Kingscote) Airport – Airside Works Runway Construction A2, Kangaroo Island, SA

Kangaroo Island Council, \$8.5M, January 2017 – December 2017

Scope: The project entails the extension and overlay of the existing working runway to accommodate commercial jetliners to expand the Kangaroo Island Tourism Economy. The works involve the extension of both ends of the existing runway and an average of 250mm of granular overlay to the existing runway. Works entail approximately 96,000m² of extended and new runway pavement and triple coat seal. The works entail large protection slabs for existing infrastructure and the construction of an 86.4Lm 4x1200x600 RCBC across the new runway. BMD restaged the clients MOWP to allow a fast tracked construction sequencing reducing the contract duration by 1 month.

Murray Bridge North School STEM Upgrade, Murray Bridge, SA

DPTI, \$1.0M, August 2017 – December 2017

Scope: The project entailed the staged demolition of the existing internal fitout to create an open plan learning environment. The refurbishment provides reconfigured spaces to include a common area and learning areas to encourage imagination and support innovation. The new fitout provides an upgrade of mechanical, electrical and hydraulic services as well as a new outdoor learning area.

London Street Bridge Construction, Port Lincoln, SA

Port Lincoln Council, \$4.5M, April 2017 – September 2017

Scope: The project entails the staged demolition of the existing two-span road-over-rail bridge under live rail conditions and construction of a new 19.3m(l) x 13.8m(w) single span bridge structure with prestressed concrete planks to facilitate a new roadway with shared pedestrian pathway. To facilitate the new bridge footprint, the staged relocation of live fuel, electrical, fibre optic, watermain, sewer and stormwater infrastructure is required. The works have been critically programmed to achieve client required timeframes whilst utilising local subcontractors and suppliers to support local industry Participation.

Sturt Highway Overtaking Lanes – Package 1, Truro, SA

Department of Transport, Planning & Infrastructure, \$2.4M, October 2017 – March 2018

Scope: The project involves the construction of one new overtaking lane located at RRD 98.39 on the Sturt Highway (Halfway House Road) approximately 20km east of Truro. There is a requirement to extend the existing overtaking lane at RRD 70.71 (Jaeger Road) which is approximately 6km west of Truro. The project also involves the upgrade of the Junction of RN7382 Halfway House Road, and RN7200 Sturt Highway in conjunction with the new overtaking lane. Embankment widening, earthworks and granular pavements are sealed with a 16/7 spray seal with PF1 fabric to extensive sections of the intersections. Safety Barriers, improved road lighting and signage are also within the project scope.

Sturt Highway Overtaking Lanes – Package 2, Renmark, SA

Department of Transport, Planning & Infrastructure, \$2.0M, October 2017 – March 2018

Scope: The project involves the construction of one new overtaking lane located at RRD 191 on the Sturt Highway (Hitman Road) approximately 8km west of Kingston. There is a requirement to extend two existing overtaking lanes located at RRD 234 (Golf Course Road) and RRD232 (Lyrup Road) near Lyrup. Embankment widening, earthworks and granular pavements are sealed with a 16/7 spray seal with PF1 fabric to extensive sections of the intersections. Safety Barriers, improved road lighting and signage are required.

Woodforde Stage 1, Campbelltown, SA

Starfish Developments, \$5.0M, February 2017 – March 2018

Scope: The Construction of a 106 Lot Residential Subdivision on the site of the former Magill Training Centre at the foot of the Adelaide Hills. The project requires the fast tracked construction of external sewer, water, stormwater and electrical headworks and road reconstruction as well as the installation of a 1,600m³ Humes Stormtrap, The site requires the installation of 600Lm of ~3m high Sleeper retaining walls, 300Lm of Blockwork Retaining walls and 250Lm of Concrete retaining walls. A \$0.5m NBN and Electrical package is also required to service the development. There is 12,000m² of road pavement, 1.5km of stormwater, 1,450lm of Sewer and 800Lm of Potable Water Installation.

Northern CBD Upgrade, City of Playford, SA

City of Playford, \$7.1M, October 2016 – October 2017

Scope: To construct and retrofit the Elizabeth City Centre for the City of Playford amongst existing retail and commercial operations. The project involves boulevard construction, service installation, road construction, landscaped footpaths, and a landscaped entertainment precinct in a live shopping zone.

Adelaide Airport – Airside Works Taxiway Extension & Widening, Adelaide, SA

Adelaide Airport Limited, \$1.6M, March 2017 – April 2017

Scope: The project entails the extension, widening and overlay of the three taxiways to accommodate wide-body jumbo jets. The works, all conducted as night works, involve both physical extension, widening, texturing and asphaltting. Works entail intricate interaction with existing airfield ground lighting, restricted working hours and a complex and in depth hourly programs to accommodate the fast tracked construction program.

T2T Alliance Stormwater Installation, Adelaide, SA

T2T JV (CPB/Yorke), \$2.0M, January 2017 – April 2017

Scope: The Installation of 2km of stormwater infrastructure in sizes ranging from 375mm to 1350mm RCP in brownfield live traffic environments. The Alliance called on BMD's capacity and major project capabilities to ensure the projects safety and programming requirements are met.

Design & Construct - PUMA Energy Truck Refuelling Facility & Intersection Upgrade, Ceduna, SA

PUMA Energy, \$1.5M, January 2017 – April 2017

Scope: The Design & Construction of an automated truck refuelling facility in Ceduna, SA. The facility requires the widening and reconstruction of the DPTI highway into Ceduna. The works involve some 35,000m² of sealed hardstand, installation of tank storage and automated refuelling technology systems. The Site works will be performed in a fast tracked 8 weeks with pavement materials raised and crushed at a borrow pit some 105km from the project site in lieu of carting from Whyalla saving the client some \$250,000 in project costs.

Woodbridge Stage 1-4, Angle Vale, SA

Actium Developments, \$7.0M, December 2016 – May 2018

Scope: The Construction of a 29 Lot Residential Subdivision and major infrastructure headworks on Heaslip Road, Angle Vale. The project requires the fast tracked construction of external gas, sewer, water, stormwater and electrical/NBN headworks and road reconstruction as well as the construction and landscaping of 3 major detention basins, The stage incorporates approximately 1.05km of kerbing & 400Lm footpath works, 1.1km each of Sewer & stormwater, 0.85km of watermain, specialist detention basins containing 910m³ of Gabion Retaining walls, 8,000m² of Jute Matting, 16,000m³ of earthworks cut to fill and 3,500m² of asphalt and pavement works. An 8m Deep Precast Fully Automated Sewerage Pump Station is also being installed as part of the Sewerage Headworks for the project. A \$0.2M Electrical and NBN Package was also installed.

Newenham Estate Stage 1A&1B/Stage 2/3A, 3B, Intersection & Headworks, Mt Barker, SA

Burke Urban, \$8.1M, February 2016 – May 2018

Scope: Construction of the first 4 stages of a 630 lot subdivision including the provision of a DPTI intersection and a flood mitigation bund containing sewer/water headworks infrastructure. The stages incorporated approximately 3.5km of kerbing & footpath works, 3.5km of Sewer & stormwater, 3km of watermain, specialist detention basins, 70,000m³ of earthworks cut to fill and 10,000m² of asphalt and pavement works. A \$1.4m Electrical and NBN Package was also installed.

Longview Estate Stages 1&2 Intersection & Headworks, Two Wells, SA

Weeks Development, \$2.6M, June 2016 – October 2017

Scope: To construct the first stages of an 80 lot subdivision including the provision of a DPTI intersection and sewer/water headworks. The stages incorporated approximately 1km of kerbing & footpath works, 0.5km of

stormwater, 0.5km of watermain, specialist detention basins, 14,000m³ of earthworks cut to fill, 20,000m³ treatment of uncontrolled fill and 2,000m² of asphalt and pavement works.

Humbug Scrub Roundabout, Adelaide Hills, SA

Department of Transport, Planning & Infrastructure, \$1.7M, April 2016 – Sept 2016

Scope: Construction of the conversion of a 4 way intersection to a 4 legged roundabout under live traffic conditions. The intersection involves service relocations of HV Electrical, Telstra and water mains. Installation of granular and deep-lift asphalt pavements, guardrail, stormwater and street lighting/electrical infrastructure.

Kings / Bolivar Road Intersection Upgrade, Adelaide, SA

Department of Transport, Planning & Infrastructure, \$3.3M, January 2016 – Sept 2016

Scope: Construction Manage a 3 legged intersection as the first package of the \$900m Northern Connector Project in Adelaide's northern suburbs. The intersection involves work under live traffic (28,000-40,000vpd), service relocations of gas, Telstra and watermains. Installation of granular and deep-lift asphalt pavements, extensive RCBC and stormwater pipework and street lighting/electrical infrastructure. The project is working under an accelerated program in a highly sensitive urban and political landscape. The scope also involves extensive cultural heritage management and the provision of a live training site for the Northern Connector Project.

ANZAC Centenary Memorial Walk, Adelaide, SA

Department of Transport, Planning & Infrastructure, \$8.25M, October 2015 – May 2016

Scope: The ANZAC Centenary Memorial Walk project was the flagship project nationally commemorating the centenary of ANZAC. The project located on the western side of Kintore Avenue, North Adelaide created a new 7m wide memorial walk, open views to Government House and a series of etched granite panels showing images from a century of service.

The key project deliverables included; Demolition of existing Government House fence. Earthworks to convert previously Government House Garden bed area into public memorial walk. Detailed structural footings and plinths for new open steel fence, etch granite fence and granite clad planter boxes. Approximately 4000m² of structural slabs paved with locally sourced granite pavers.

BMD committed to delivering the project in time for official opening held Saturday 23rd April. This date was achieved despite a very tight original program and the addition of \$1.4 million additional scope being included in the works. The successful project opening led into an equally successful ANZAC day dawn service on Monday 25th April.

The construction team maintained a close relationship with Government House staff, mitigating the risk of disruption to the most sensitive stakeholder associated with the project.

Bluetongue Creek Drain, Blakeview, SA

Lend Lease Communities, \$1.1M, February 2016 – April 2016

Scope: Excavate and construct 1.1km of reno-mattress lined drainage channel through the LLC subdivision at Blakeview. The project also entailed the construction of 10 major drop structures, 4m high gabion retaining walls, bluestone dry stack walls and the construction of a 4/1500*900 RCBC. The project team worked intricately with the client/consultant to reduce the ultimate cost of the project to Lend Lease by more than 20% of the contract value.

Design & Construct - Kauri Parade Sporting Complex, Holdfast Bay, SA

City of Holdfast Bay, \$4.7M, June 2015 – January 2016

Scope: The design and construction a complex containing 12 tennis courts and 2 multiuse tennis courts on a former landfill site at John Mathwin Reserve Seacliff. The design and construction involves the remediation, removal, processing and capping of on-site landfill waste, landfill gas and groundwater management under strict environmental restrictions. The main components are an 8,000m² plexipaved concrete pad structure supported on 540 driven piles with an integral landfill gas management and monitoring system, with associated gabion walls, stormwater, electrical and lighting provision for the complex. Detailed programming and site management has ensured the project is to be completed 5 weeks earlier than originally programmed.

Henley Square Redevelopment, Henley Beach, South Australia

City of Charles Sturt, \$8.15m, March 2015 – November 2015 (Safety Officer)

Scope: The Henley Square Redevelopment is a complete revitalization of Henley Square located in one of Adelaide's busiest suburban beaches. The works were situated in a highly sensitive area amongst local traders and residents where works were coinciding with normal operational trading hours.

The key project deliverables included; Demolition of existing pavements and structures, Installation of approximately 3700m² of exposed aggregate pavements, 350m³ of coloured concrete to provide a new beach access terraced stairway the 'Edge', 180m of custom furniture including 'Ripple Lounge and Flotsam seating', 3000m² of new 'Big Lawn' area, Construction of central reflection pool water feature and interactive beach showers, Installation of custom furniture including ripple lounge and flotsam seats, New 'Ablutions' building, Installation of new structural steel shelters, and Reconfigured and resurfaced North and South car parks.

Outcomes: BMD worked closely with the client over a number of months to come up with over \$800,000.00 worth of value management savings to bring the project within the client's budget.

The construction team undertook the project in a highly sensitive area, alongside ongoing trader operations and within one of Adelaide's busiest suburban beaches. Strategies were developed for stakeholder management including intricate scheduling of works to provide minimum possible disruption. The project was also scheduled during the winter months in order for completion ready for the busy summer trading period.

Aston Hills – Stage 1, Mount Barker, South Australia

Lanser Communities, \$6.4m, August 2014 – August 2015 (Leading Hand / Safety Officer)

Scope: Aston Hills Stage 1 is the first stage of a large semi-rural living community based on the outskirts of the Adelaide Hills Region. This 1800 allotment land development is a further expansion to the Mount Barker area. The site offers an expansive network of linear trails and open green spaces, family parklands, playground, water features, lakes and a new freeway interchange. BMD completed the civil construction work for 244 residential allotments and the Major Basin and Drainage Channel Works.

The scope of works included; Clearing of 79,000m², 101,000m³ of earthworks, 11,971m² of asphalt pavement, 3,050m² of block paving, 2,800Lm of kerb, 2,525Lm of stormwater pipe works, 17 Stormwater Pits, 4 Major Headwalls and 4 Ecosol GPT units were installed, 4,000Lm of PVC water main (150 and 225mm), 2,879Lm of sewer pipe works up to 5 m depth in rock, 35 Sewer Manholes & Maintenance Shafts, 2,968Lm of internal and external water main, 860Lm of recycled water main, and 3,125Lm of common service trench.

Outcomes: The construction team commenced the project in the notoriously wet months. Strategies were developed with scheduling in order to maintain maximum productivity while dealing with the seasonal conditions.

BMD was able to deliver the program on time and on budget

BMD were subsequently awarded a \$0.6m development entry statement feature.

With ancillary works continuing on site the project has had 385 days without a Lost Time Incident.

Mount Barker Park and Ride Facility, Mount Barker, South Australia

Department of Planning, Transport and Infrastructure, \$3.6m, October 2013 – February 2014 (Leading Hand)

Scope: Located on Dumas Street, Mount Barker Park and Ride Facility is a vital infrastructure environment providing public transport access for local residents, nearby primary school, kindergarten, TAFE and local businesses.

The project scope can be broken into two major aspects, which included the new Park and Ride Facility and the Dumas Street upgrade.

The new Park and Ride Facility required extensive earthworks to the vacant lot located South of Dumas Street. The facility encompassed a variety of works supplementary to the major civil component. Additional works included; deep lift asphalt and heavy duty reinforced concrete bus lane pavement, two 25 metre long bus shelters complete with CCTV, lighting, smart screens, audible bollards and furniture, new bike enclosure, self-cleaning toilet facility, carpark lighting, CCTV and landscaping, stormwater management and a fenced off detention basin, and works to Dumas Street such as widening Dumas Street and updating lighting, profile and reinstatement with

deep lift asphalt, Koala crossing for the nearby school and upgrading the intersection and signals at Adelaide Road and Dumas Street.

Outcomes: The project had an outstanding safety record with zero LTI's and environmental incidents recorded.

Client requirements were conducted in a timely manner and met all key milestones which included staging of the works to ensure the bus stop was operational two months prior to completion.

A Community Management Plan was successfully implemented to respond to enquires / issues raised around the construction of the project within close proximity to schools and community centres.

The Pines Hockey Stadium Upgrade, Gepps Cross, South Australia

The Department of Planning, Transport and Infrastructure, \$2.5m, April 2013 – September 2013 (Leading Hand)

Scope: The Pines Hockey Stadium Pitch and Lighting New Work project involved the construction of a second international standard hockey pitch and associated dugout and services in Gepps Cross. BMD was engaged to construct a second pitch capable of hosting world class competitions.

This project involved extensive earthworks to remove approximately 15,000 tonnes of reactive material and replace it in compacted layers with engineered fill ensuring the surfaces stability and longevity. This area was then capped with a 30mm asphalt layer before being surfaced with the state of the art Olympia COOLplus synthetic surface (the same surface which was used for the 2012 London Olympics). Other associated works included; Eight new tilting light poles, Adjacent dugout buildings that included enclosed official's areas fitted out with mechanical, electrical and hydraulic controls, A new footpath and an asphalt service road between the new and existing stadium, and Installation of four 20kL water storage tanks to act as a buffer for new irrigated landscaped areas and more particularly to supply six water cannons that are used to water the pitch prior to play in less than 10 minutes.

Outcomes: The project was completed on time and to the satisfaction of the client, despite construction commencing in autumn and work being completed through the wettest July winter period in 16 years.

The pitch was opened by the Recreation and Sport Minister of South Australia on 12 September 2013.

RAAF Edinburgh HC1, Stages 1- 4, Edinburgh RAAF Base, South Australia

Department of Defence, \$38m, September 2010 – March 2013 (Leading Hand)

Scope: The Royal Australian Air Force (RAAF) Base at Edinburgh is an operational air base which accommodates two primary RAAF Groups: the Aerospace Operational Support Group and the Surveillance and Response Group.

BMD was engaged to deliver civil works including:

HCP1 Civil Works Package - Airside Ordinance Loading Aprons, blast resistant revetments, aircraft guidance lighting, a personnel hut, access road, site services, pavement comprising unbound granular pavements, hotmix surfacing and in-situ concrete;

Passive Defence Measures - Stormwater and pavements, hotmix surface car parking and vehicle inspection bays, detectors and new vehicle entry gates, electrical fixed and active security measures to significantly upgrade base security;

Infrastructure Services Upgrade - Upgrade of engineering services throughout the base, including excavation for and installation of new services, stormwater drainage upgrades and various road upgrades, and two new HV transformers.

Outcomes: Successfully managed a strict Environmental Management Plan, enforced throughout the Base by RAAF personnel, with no significant delays to the project. Cultural heritage sensitivities have included aboriginal artefacts. Successfully undertook communication systems upgrade, including trench excavation, for new conduit pathways. Undertook assembly of various security measures such as secure rated fencing and gates, extensive CCTV systems, and optic fibre alarms.

A key component included the construction of two 2,500m² concrete aircraft pavements using steel fibre reinforced concrete, which was a first for defence for aircraft pavements. BMD Urban carried out two trial slabs and spent several months in planning and developing QA controls. Numerous refinements in the methodology and design

were adopted to ensure a positive outcome, including changes to concrete mix design, water misting curing, addition of plasticiser on site and all night pours. BMD site staff built excellent relations with over 60 subcontractors, 40 suppliers and RAAF Base personnel, which enabled unprecedented access rights for BMD. The project achieved an excellent safety record with over 260,000 hours over nearly three years with zero LTI's.

Sturt River Dam Remediation Project, Blackwood, South Australia

Adelaide & Mount Lofty Ranges Natural Resources Management Board, \$0.3m, February 2012 – June 2012 (Leading Hand)

Scope: BMD was engaged to remove the existing valve and replace the system with a 10 metre long, 355mm diameter HDPE riser with four valve sets arranged at intervals along its length. This allowed water to be discharged from varying depths (and subsequent quality) such that the more turbid waters at the base could be diluted with cleaner water from just below the surface. Works required the constant engagement of a qualified dive team, riggers, and welders to investigate the site, plug the existing outlet, and fit and test the new system under strict safety and environmental management systems.

Outcomes: Despite the continual wet weather and resulting rises in the dam water level, the site team was able to control the installation of the new system safely. This was especially difficult as the water quality was very poor, resulting in zero visibility for the underwater works. Consequently, all underwater works had to be carried out by feel alone.

Given these circumstances, the achievement of extremely tight tolerances in the construction and fitting of the riser and valves to the dam wall (at a depth of 11 metres) represented an exceptional accomplishment on the part of the dive teams and BMD.

Breakout Creek Wetlands Stage 2, Fulham, South Australia

Adelaide and Mount Lofty Ranges Natural Resources Management Board, \$3.1m, May 2008 – June 2011 (Laborer)

Scope: Up until the 1930's the River Torrens discharged into a swamp. Around this time a channel, accordingly named 'Breakout Creek', was cut through the sand hills providing an outlet to the sea. To improve water quality and riparian zones along the creek the client developed a concept plan with Stage 1 completed in 1999.

BMD was engaged to undertake Stage 2 of the plan which involved profiling the creek to create an extended wetlands and linear park for the enjoyment of the local community. Key deliverables included; Excavation of 40,000m³ of spoil and 8,000m³ of river silt, Removal of 28,000m³ of spoil, Construction of two 5m x 0.5m high concrete weirs, Construction of rock erosion aprons, Installation of gabion and reno erosion protection rock filled baskets, Laying of nearly 1.5 km of cement treated quarry rubble walking paths and over 0.5km of bitumen walking paths, Installation of viewing areas, Installation of 1.2km of horse fencing, and Planting of 65,000 native plants.

Outcomes: Achieved the client's concept design – enhancing the overall Torrens Valley Linear Park which stretches from the Adelaide foothills to the sea. Successfully managed high water flow events by segmenting the site with earth bunds and pumping water around the work area – a consequence of the site being located at the downstream end of one of Adelaide's significant watercourse catchments. Successfully managed 3,000 truck movements to and from site through a number of initiatives and an approved Traffic Management Plan.

Provided client with the flexibility to deliver the project under two separable portions – Separable Portion 1 March 2008 to May 2008, and re-mobilising on site for Separable Portion 2 February 2009 to September 2009.

Christies Beach Waste Water Treatment Plant Upgrade, Christies Beach, South Australia

SA Water, \$23m, January 2010 – May 2011 (Leading Hand)

Scope: The Christies Beach Waste Water Treatment Plant upgrade marks the third project BMD has undertaken for SA Water as part of their major plant upgrade. Previous contracts included the early works contract and outfall pipe construction. The project can be described as highly technical, involving nuanced engineering controls and rigid specification at every step.

The contract chiefly involved construction of newly activated sludge, membrane, and UV disinfection concrete tanks. Combined, these structures constitute the C Plant, which effectively doubles the capacity of the existing plant. Also essential to the project was the construction of roadworks along the perimeter of the site.

BMD supplied a range of services supporting water reticulation and process pipework, including installation of up to 900mm dia fibre reinforced pipes. The project landscaping package incorporated re-vegetation to aid in balancing the local ecosystem, as well as the creation of a pleasant coastal walking path for the continued enjoyment of the local community. The works comprised extensive sand dune rehabilitation following the obligatory deconstruction of dunes during the previous outfall pipe phase of the overall project.

Outcomes: Stabilisation of sand dunes along the stunning Christies Beach coastline.

Expansion of the Christies Beach Waste Water Treatment Plant to double capacity.

260,000 hours worked with an excellent safety record.

Christies Beach Waste Water Treatment Plant Outfall, Christies Beach, South Australia *SA Water, \$14.3m, February 2009 – April 2010 (Leading Hand)*

Scope: Commissioned in the early 1970s, the Christies Beach Waste Water Treatment Plant (WWTP) receives and treats wastewater from surrounding communities. Located in Adelaide's southern suburbs, SA Water is upgrading the plant to increase capacity and meet the expected growth of the area.

The WWTP new outfall pipe was one of multiple projects being undertaken at the plant. Now commissioned, the new pipe discharges excess treated effluent in line with new environmental protection guidelines. It is partially buried on the sea floor and extends some 650 metres from the shore. Key deliverables included; 670m DN 1,200mm outfall pipe including 100 diffusers distributed over 250m, De-aeration structure for new outfall, Rosette type diffuser on the discharge of the existing outfall, Cathodic protection system for new outfall, High flow control chamber for new and existing outfalls, Connections of the upgraded system to the existing Willunga Basin Diversion chamber, and All associated pipework, concrete and electrical works.

BMD engaged Smithbridge Australia as a joint venture partner to develop and execute the pipe delivery methodology.

Outcomes: Adopted a 'J' curve pipe configuration involving smaller pipe strings that overcame steep on-site grade issues and could be better handled within the limited site area.

Adopted an innovative delivery method that involved a 180 metre temporary bridge, adjacent sheet pile cofferdam, and shore-based winch pulling through an offshore anchor.

Executed a well planned launch sequence that continued without interruption for seven days (and nights) until the pipe lay in its final position on the seabed.

Developed and coated pipes with an ultrahigh slump concrete (up to 250mm) to counteract pipe buoyancy.

BMD was winner of the 2010 CCF Earth Award (South Australia) – Category 3, Projects \$5 million to \$20 million.

Christies Beach Waste Water Treatment Plant Early Works, Christies Beach, South Australia

SA Water, \$7m, January 2009 – September 2009 (Laborer)

Scope: Commissioned in the early 1970s, the Christies Beach Waste Water Treatment Plant (WWTP) receives and treats wastewater from surrounding communities and businesses. Located in Adelaide's southern suburbs, SA Water is currently undertaking a major upgrade of the plant to increase capacity and meet the expected growth of the area.

Part of the overall WWTP upgrade, this Early Works package (Contract C01) involved construction of a new dewatering / sludge building (water retaining structure); new high voltage switchboard room; bulk earthworks and construction of new roads including a new entry road; termination of existing / redundant services; installation of new services (stormwater, sewer, electrical, communication, potable water and recycled water); and landscaping.

Outcomes: Managed all works within the confines of the operational WWTP including critical traffic management and safety issues. Acknowledged by the client for achieving a high quality finish across the water retaining structures. Successfully coordinated resources, access and program as one of six concurrent projects being undertaken at the plant.

BMD was further engaged to deliver the \$14 million new outfall (Contract C04) which ran concurrently and commenced in February 2009.

Port Wakefield Road Upgrade, Bolivar, South Australia

Department for Transport, Energy & Infrastructure, \$26.3m, February 2008 – February 2009 (Laborer)

Scope: This upgrade project was designed to enhance capacity and improve safety on the 12km length of Port Wakefield Road that connects the new Northern Expressway with the Port River Expressway. The existing road was a dual, two lane carriageway that carried 40,000 vehicles per day.

Early in the project, DTEI requested an acceleration of the works. Following detailed revised planning and reallocation of resources, the value of the works completed in the first five months was increased to 60% above the original program. Works involved widening existing roads to create turnout and acceleration lanes, reinstatement of pavements, upgrading of major intersections, road lighting and traffic signals, bridge and barrier upgrades, new wearing course, and deep lift pavement. Major quantities included 70,000 tonnes of deep lift asphalt and 22,000 tonnes SMA wearing course. Liaison with neighbouring businesses and traffic management was a major component of the works. Identification, protection and upgrading of underground services all within an environmental management plan also required careful and constant attention.

Outcomes: During the acceleration workshop BMD proposed design changes that resulted in significant time savings, productivity increases and a stronger pavement. Work was completed within the original project time frame and budget. The entire project was undertaken free of local property owner complaints or interruption to services. Construction was successfully conducted around a large number of existing services without any damage.

Northgate Development Stage 3 Parts 1 & 2, Northgate, South Australia

CIC & LMC Joint Venture, \$4.3m, February 2008 – November 2008 (Laborer)

Scope: Located 15 minutes from Adelaide's CBD, the Northgate development will ultimately consist of 800 housing allotments and extensive parklands. BMD Constructions was contracted to undertake Stage 3, Parts 1 and 2, which involved the construction of 111 allotments and site entrances. Key deliverables included the construction of pavement roadways; water and sewer reticulation; and electrical services, including cabling, conduits, street lightings, and switching cubicles.

With the long-term view of the community in mind, the design involved the direct runoff of stormwater towards the parklands where water will be harvested to maintain both the parklands and streetscape.

BMD key deliverables included; construction of flexible and rigid pavement roadways, construction of water and sewer reticulation, installation of recycled water conduits, construction of electrical services such as cabling, **conduits, street lighting and switching cubicles, and installation of communication conduits and gas supply.**

Outcomes: Maintained a high level of environmental awareness during construction including dust and water monitoring.

Approached the project from the community's perspective, with consideration given to local traffic, noise, and construction emissions during the works period.

At project completion, the team had established the beginnings of a collaborative five year plan between the client, BMD Constructions, Council, SA Water, Electricity Trust of South Australia (ETSA), Opticom and Origin to successfully roll out this residential development initiative

Summary of previous experience

Project	Client	Value
Gawler Place Redevelopment	City of Adelaide	\$8.2M
NHPT Temple Stage 3B	NHPT Association of Australia	\$5.7M
Parafield Park'n'Ride	DPTI	\$3.2M
Kangaroo Island Road Resheeting Stage 7 PMCA	DPTI	\$2.2M

Upper Yorke Peninsula Overtaking Lanes 2B/2H	Downer EDI (DPTI)	\$2.7M
Sturt Highway Overtaking Lanes Package 1	DPTI	\$2.4M
Sturt Highway Overtaking Lanes Package 2	DPTI	\$2.0M
London Street Bridge Replacement	City of Port Lincoln	\$4.5M
Riverview Stage 1	Actium	\$2.0M
Angus Views Stage 1	Linder Developments	\$2.0M
Mannum School STEM Upgrade D&C	DPTI	\$2.6M
Kangaroo Island Airport Upgrade –Airside A.2-Runway Overlay & Extension, SA	Kangaroo Island Council	\$6.0M
Murray Bridge North School STEM Upgrade	DPTI	\$1.0M
Woodforde Stage 1 Redevelopment, SA	Starfish Developments	\$5M
City of Charles Sturt - Bikeway & Boardwalk Construction, SA	City of Charles Sturt,	\$4.5M
Ceduna Truck Refuelling Facility, SA	PUMA Energy	\$1.5M
T2T Alliance Stormwater Installation, SA	T2T Alliance	\$2M
Woodbridge Angle Vale Stage 1-4, SA	Actium Developments	\$7.0m
Newenham Estate Stage 1A/1B, Stage 2, 3A, 3B, Intersection and Headworks, SA	Burke Urban	\$8.1m
City of Playford Northern CBD Upgrade, SA	City of Playford	\$7.1M
Two Wells (Longview) Stage 1&2, SA	Weeks Development,	\$2.2m
Humbug Scrub Roundabout, SA	Department of Transport, Planning & Infrastructure	\$1.7m
ANZAC Centenary Memorial Walk, SA	DPTI	\$8.25m
Bluetongue Creek Drain, SA	Lend Lease Communities	\$1.1M
Kauri Parade Sporting Complex, City of Holdfast Bay, SA	City of Holdfast Bay	\$4.7m
Henley Square Redevelopment	City of Charles Sturt	\$8.15m
Aston Hills Stage 1	Lanser Communities	\$5.6m
Mount Barker Park and Ride Facility	Department of Planning, Transport and Infrastructure	\$3.6m
The Pines Hockey Stadium Upgrade	Department of Planning, Transport and Infrastructure	\$2.5m
RAAF Edinburgh HC1, Stages 1- 4	Department of Defence	\$38m
Sturt River Dam Remediation Project	Adelaide & Mount Lofty Ranges Natural Resources Management Board	\$0.3m
Breakout Creek Wetlands Stage 2	Adelaide & Mount Lofty Ranges Natural Resources Management Board	\$3.1m
Christies Beach Waste Water Treatment Plant Upgrade	SA Water	\$23m
Christies Beach Waste Water Treatment Plant Outfall	SA Water	\$14.3m
Christies Beach Waste Water Treatment Plant Early Works	SA Water	\$7m

Port Wakefield Road Upgrade	Department of Transport, Energy & Infrastructure	\$26.3m
Northgate Development Stage 3 Parts 1 & 2	CIC & LMC Joint Venture	\$4.3m



Edwin has over 9 years experience working in the civil construction industry as a site engineer and an estimator. Having worked in South Australia, Western Australia and Queensland, meeting local statutory bodies' specifications, Edwin has developed a high attention to detail and invaluable sense of communication.

Edwin has managed quality assurance, coalition and the delivery of manufacturers data reports on a wide variety of projects including, but not limited to, the construction of roads, rail embankments, bridges, tailings dams and concrete structures.

Having worked in strict environmental conditions, Edwin is committed to zero harm in regards to safety and the environment.

Qualifications: Bachelor of Engineering (Hons) – Civil and Water, University of South Australia

Years in Industry: 9

Detailed Project Experience

Angus Views Stage 1, Angaston, SA

Linder Developments, \$2.0M, January 2018 – April 2018

Scope: The project involves the headworks provision of a new intersection to provide access to the new developments as well as the construction of stormwater detention structures and 22 Residential Allotments with associated sewer, stormwater, watermain, CST and road pavements

Woodbridge Stage 1-4, Angle Vale, SA

Actium Developments, \$7.0M, December 2016 – May 2018

Scope: The Construction of a 29 Lot Residential Subdivision and major infrastructure headworks on Heaslip Road, Angle Vale. The project requires the fast tracked construction of external gas, sewer, water, stormwater and electrical/NBN headworks and road reconstruction as well as the construction and landscaping of 3 major detention basins, The stage incorporates approximately 1.05km of kerbing & 400Lm footpath works, 1.1km each of Sewer & stormwater, 0.85km of watermain, specialist detention basins containing 910m³ of Gabion Retaining walls, 8,000m² of Jute Matting, 16,000m³ of earthworks cut to fill and 3,500m² of asphalt and pavement works. An 8m Deep Precast Fully Automated Sewerage Pump Station is also being installed as part of the Sewerage Headworks for the project. A \$0.2M Electrical and NBN Package was also installed.

Newenham Estate Stage 1A&1B/Stage 2/3A, 3B, Intersection & Headworks, Mt Barker, SA

Burke Urban, \$8.1M, February 2016 – May 2018

Scope: Construction of the first 4 stages of a 630 lot subdivision including the provision of a DPTI intersection and a flood mitigation bund containing sewer/water headworks infrastructure. The stages incorporated approximately 3.5km of kerbing & footpath works, 3.5km of Sewer & stormwater, 3km of watermain, specialist detention basins, 70,000m³ of earthworks cut to fill and 10,000m² of asphalt and pavement works. A \$1.4m Electrical and NBN Package was also installed.

Longview Estate Stages 1&2 Intersection & Headworks, Two Wells, SA

Weeks Development, \$2.6M, June 2016 – October 2017

Scope: To construct the first stages of an 80 lot subdivision including the provision of a DPTI intersection and sewer/water headworks. The stages incorporated approximately 1km of kerbing & footpath works, 0.5kmm of stormwater, 0.5km of watermain, specialist detention basins, 14,000m³ of earthworks cut to fill, 20,000m³ treatment of uncontrolled fill and 2,000m² of asphalt and pavement works.

Adelaide Airport Terminal 1 Expansion Project, Adelaide SA

Lend Lease, \$4.4M, March 2014 – April 2014, Civil Site Engineer

Scope: As a part of the expansion of Terminal 1, this project included the demolition and upgrade of existing pavements, kerbs and gutters, and medians to carpark.

Dugald River Project, Cloncurry QLD

Metal Mineral Group (MMG), \$17M, January 2013 – January 2014, Civil Site Engineer

Scope: Construction of 9.5km of mine access road (sealed), construction of 80m long bridge, installation of 2No. x 3m high, 3-5 cells culverts in a 20m span, installations of couple of box & pipe culverts, construction 2.5km of mine to village road sealed (village on top of the hill), installation of guardrails, installation of road signs, construction of intersection of mine access road to highway.

Solomon Spur Rail Embankment Project, Pilbara WA

Fortescue Metals Group, \$36M, October 2012 – January 2013, Civil Site Engineer

Scope: Construction of 22km of rail embankment for the Solomon Spur Rail project for the new FMG T155 expansion project. The project involved 500,000m³ of earth fill, subballast capping and pavement fill as well as over 6km of steel culvert structure. The work was undertaken over a 24-hour continuous period to meet the tight deadlines by the client to facilitate the first train to Port.

Peculiar Knob Project, Near Coober Pedy SA

Arrium Mining, \$35M, August 2011 – October 2012, Civil Site Engineer

Scope: Construction of 97km of haul road to service Peculiar Knob Mine site. The works included the construction of heavy haul road for heavy axle loads and extreme wheel loading from truck movements. The pavements in areas exceeded 700mm thick and all material was selectively sourced, won, processed and crushed to DPTI specifications where applicable. Also constructed were turkey's nests, various hardstand for crushing and ROM and under path/bridge structure on the Stuart Highway.

Prominent Hill Tailings Storage Facility Uplift Project, Prominent Hill SA

OZ Minerals, \$8M, January 2011 – August 2011, Civil Site Engineer

Scope: Uplift to existing clay liner tailings storage facility. The works involved raising the existing 6m high wall, 6m wide, 5.4km long by 5m high. The clay liner wall had to be placed and compacted to required relative density standards and strict moisture variance from optimum.

Tailings Disposal Upgrade – Pipe Trace Project, Olympic Dam SA

BHP Billiton, \$15M, April 2010 – October 2010, Civil Site Engineer

Scope: Construction of a new pipe alignment corridor for the new tailing dam construction. The construction of the clay lined pipeline corridor, with an approximate width of 30m, included bulk earthworks (more than 200,000m³), clay liner works, concrete works and road works. Incorporated within these works was the construction of 3 large culverts, 1 multiple arch road crossing (more than 2m in diameter), miscellaneous concrete slabs, pipe anchors blocks and retaining wall structures. The road crossing involved extensive planning to coordinate the construction of 6m wide by 3m high reinforced concrete culverts weighing more than 28 tones, whilst minimising the delays due to road closures and performing the works in a safe and efficient manner.

State Aquatic Centre and GP Plus Health Care Centre, Adelaide SA

Candetti Construction, \$4M, December 2009 – April 2010, Civil Site Engineer

Scope: The South Australia Aquatic and Leisure Centre at Marion hosts a 50m competition swimming pool, a 55m diving and water polo pool and 1000m² of leisure and recreational water. Along with the construction of roads and pavements, this project included bulk excavations and the removal of approximately 30,000m³ of material, detailed excavations (for the pools) and backfilling of footings, columns and retaining walls.

Jacinth-Ambrosia Mine Project, 270km West of Ceduna SA

Iluka Resources and Jacinth-Ambrosia Alliance, \$50M, February 2009 – September 2009, Civil Site Engineer

Scope: Located 270km West of Ceduna in the Eucla Basin, the Jacinth-Ambrosia mine is one of the world's largest mineral sand mines. This project included the construction of a permanent village for 300 personnel, a 2km airstrip, over 92km of major roadworks, a process water dam, an environmental dam and 14km of underground services for a process facility. Despite the strict environmental conditions due to its location on a national park, the project was completed 6 months ahead of schedule with no LTI's or environmental breaches. The project achieved multiple awards from various industry bodies.

Summary of previous experience

Project	Client	Value
Angus Views Stage 1	Linder Developments	\$2.0M
Woodbridge Angle Vale Stage 1-4, SA	Actium Developments	\$7.0m
Newenham Estate Stage 1A/1B, Stage 2, 3A, 3B, Intersection and Headworks, SA	Burke Urban	\$8.1m
Two Wells (Longview) Stage 1&2, SA	Weeks Development,	\$2.2m
Adelaide Airport Terminal 1 Expansion Project	Lend Lease	\$4.4M
Dugald River Project	Metal Mineral Group (MMG)	\$17M
Solomon Spur Rail Embankment Project	Fortescue Metals Group	\$36M
Peculiar Knob Project	Arrium Mining	\$35M
Prominent Hill Tailings Storage Facility Uplift Project	OZ Minerals	\$8M
Tailings Disposal Upgrade – Pipe Trace Project	BHP Billiton	\$15M
State Aquatic Centre and GP Plus Health Care Centre	Candetti Construction	\$4M
Jacinth-Ambrosia Mine Project	Iluka Resources and Jacinth-Ambrosia Alliance	\$50M

TENDER AF18/291 SUMMARY

Caroline Landfill Development: Construction of Cell 3C

Tender Evaluation Scores

Name of Tenderer	Evaluator 1	Evaluator 2	Evaluator 3	Average Score	Ranking
BMD Constructions Pty Ltd	105	108	105	106	2
Gambier Earth Movers Pty Ltd	126	112.5	115	118	1

Pricing (attached)

Name of Tenderer	Total
BMD Constructions Pty Ltd	\$791,769.39
Gambier Earth Movers Pty Ltd	\$889,414.93

Value for Money

Name of Tenderer	Tendered Value exc GST (TV)	Evaluation Score (ES)	TV ÷ ES = Value for Money	Final Ranking
BMD Constructions Pty Ltd	\$791,769.39	106	7469.52	1
Gambier Earth Movers Pty Ltd	\$889,414.93	118	7537.41	2

Tender Response Snapshot:

BMD Constructions Pty Ltd

- Experienced in civil works however no direct experience provided in relation to landfills.
- Value chain management considerations and ideas for cost savings for both parties.
- *“Establishment and management of a borrow pit within the delta sand and stone borrow pit has allowed for a significant reduction in cartage rates”.*
- *“Methodology has allowed for reductions in the program based on plan/resource selection – scrapers/land-planes will be suitable for removal of in-situ site-won material, negating requirements for an excavator and trucks/moxies”.*
- Incorporated the use of a compactor for construction of intermediate clay layers which negates the requirement for graders and pad-foot rollers, ultimately improving safety and reducing the program.
- Will explore the option of drainage aggregate placement prior to trenching and laying of HDPE leachate pipe, streamlining the operation.

Gambier Earth Movers Pty Ltd

- Experience building previous landfills.
- Clay is available and accessible, though accessibility to the clay source is partly weather dependent.
- Local company which employs local people, low cost of mobilisation and no accommodation expense – further, they can respond in the event of an emergency or at short notice.
- Fully staffed and equipped modern workshop including a service trailer; with this trailer GEM can do a basic service of all machinery on-site, meaning that there is less down time due to transportation.
- *“All raw materials required are sourced from GEM's own quarrying network, ensuring benefits gained from using these resources are invested back into the region”.*
- *“Through the utilisation of Topcon GPS machine control equipment, where possible, and through the application of LPS/GPS, to limit material wastage, increase production and reduce labour and minimising survey costs resulting in a project cost saving”.*



Schedule 12

Statement of Conformity

If the Tender does not comply with all the requirements of the Tender Documents, the Tenderer must list below all areas of non-conformity, partial conformity or alternative offer and the reasons therefore.

The Tender must be read to disregard and render void any area of the Tender which is non-conforming, partially conforming or an alternative offer except to the extent detailed in this Schedule.

If any non-compliance is determined to be unacceptable, the Tender may not be further considered.

NC = Non-conforming

PC = Partial conforming

AO = Alternate offer

Area of non-conformity and reason	NC/PC/AO
<i>Please refer Below for BMD's list of Clarifications and Exclusions pertaining to our submission</i>	

Tender Qualifications

A complete list of assumptions, conditions and exceptions forming our submission and qualifying our tender is provided below.

The following notes are to be read as part of our offer for this tender which is submitted on the following basis:

1. BMD seek to establish mutually agreeable contract conditions, specifically pertaining but not limited to –
 - Securities – BMD have made allowance for the provision of 2 x 2.5% of Contract Value AAA rated, unconditional insurance bonds for security of the works
 - BMD are entitled to EOTs for late payment of approved progress claims
2. BMD have allowed to remove 300mm interim cover material from the existing clay layer (as per tender documentation), this depth and associated volume shall be verified by survey and BMD are to be reimbursed for removal of additional material (if required)
3. BMD have assumed 0.4m of clay liner has already been constructed by others (as per tender documentation), this depth and associated volume shall be verified by survey and BMD are to be reimbursed for importation, placement and compaction of additional material (if required)
4. BMD have allowed for placement of Bidim A34 geofabric (6m x 150m rolls), with edges secured using drainage aggregate. Whilst rolls will overlap, no additional allowance has been included for stitching or welding of the geofabric.



5. BMD have assumed that construction water will be supplied free of charge
6. BMD have assumed that any water within Cell 3C (prior to mobilisation) has been pumped out, and that the area has sufficiently dried-out before the commencement of works
7. BMD have adopted rates for drainage aggregate from Gambier Earth Movers (GEM). Given GEM are our direct competitor, BMD feel as though significant savings could be explored from the City of Mount Gambier Council directly supplying the product, i.e. removing this from the contract scope entirely
8. BMD have assumed that the Council and EPA commissioning/approval of Cell 3C prior to removal of the Northern and Eastern bunds will happen simultaneously with completion of works, i.e. without delaying the remainder of the contracted scope (as reflected within BMD's Tender Program)
9. Whilst BMD have made allowance for rehabilitation of disturbed areas, no allowance has been made for hydroseeding, re-vegetation, etc.

Exclusions

1. As per Clause 1.6 Scope of Works within the Construction Quality Assurance Plan, BMD have allowed for subgrade preparation on the Western batter only, having assumed that the Southern batter has been completed (incl. testing, survey and level 1 approval) by others
2. BMD have allowed to remove internal (temporary) bunds between Cells 3C and 3A only, including connection of HDPE leachate lateral/main pipework between cells, backfill (300mm depth) with drainage aggregate cover material and placement of Bidim A34 geotextile. No allowance has been made to perform this scope between Cells 3A and 3B



Schedule 19

Pricing

Please provide fixed lump sum pricing.

All prices must be listed exclusive of GST.

Cell 3C

1. Excavation of existing 300mm cover material and stockpiling onsite.	\$7,069.53
2. Cost to condition, test and replace top layer of existing clay as required.	\$29,336.34
3. Cost to supply, transport and install clay liner to Cell 3C.	\$282,843.51
4. Cost to supply, transport and install drainage layer (including aggregate, pipes and geotextile).	\$414,178.26
5. Miscellaneous costs to balance with lump sum price	\$58,341.75
6. Level 1 Supervision of Earthworks	Incl. within Items 1-5
TOTAL	\$791,769.39



Our ref: 180741BD

24/08/2018

City of Mount Gambier

Attention: Mr Daryl Morgan

**RE: CONFIDENTIAL – TENDER AF18/291 – Caroline Landfill Development
Construction of Cell 3C.**

Thank you for the opportunity to provide a tender for the Caroline Landfill Development, Construction of Cell 3C.

The following documentation has been included as part of the Tender Submission:

- Items of Note and General Conditions of Tender
- Completed Tender Forms and Schedules (Schedules 1-16).
- Schedule Attachments
 - Schedule 4 – Licences and Accreditation Attachments
 - Schedule 6 – Work Health Safety and Risk Management Attachments
 - Schedule 7 – Environmental Management Systems Attachments
 - Schedule 8 – Quality Systems Attachments
 - Schedule 13 – Organisation Structure, Facilities and Resources Attachments
 - Schedule 16 – Implementation Schedule and Transition Plan Attachments

Items of Note and General Conditions of Tender

- NO ALLOWANCE has been made to remove an existing ponded/pooled water from site. It is expected that the client shall make every reasonable effort to ensure that any ponded rainfall runoff, ponded seepage water and excess leachate has been removed and the substrata (Clay Liner) is of a moisture content which facilitates the commencement of works at the time of mobilisation.
- NO ALLOWANCE has been made for hard rock in costings for ANY excavations. Hard rock is interpreted by Gambier Earth Movers as material found in ledges, masses, boulders, bedded deposited and/or conglomerate deposits that cannot be efficiently removed via commonly accepted bulk excavation methods (i.e. via a 20T excavator bucket or ripper tyne, or Komatsu 275 Dozer tynes or equivalent) and requires a rock breaker, jack hammer, rock drilling and/or blasting. If hard rock is encountered Gambier Earth Movers will immediately notify the client/superintendent and a variation will be sought for the additional work(s) required at the rate given in the Schedule of Unit Rates and Quantities.

GAMBIER EARTH MOVERS PTY LTD

City of Mount Gambier Tender AF18/291
Caroline Landfill Development
Construction of Cell 3C



- NO ALLOWANCE has been made for the removal of groundwater in the any of the excavations required for the project completion due to unknown ground strata and water table depth.
- NO ALLOWANCE has been made to retest source materials to be used in the construction prior to mobilisation. Gambier Earth Movers Pty Ltd shall provide every assistance to the client to obtain samples for testing upon request. The cost for these tests shall be covered by the principle as part of the Level 1 Supervision.
- ALLOWANCE has been made to stockpile the excavated interim material fill from Cell 3C to the South of work area, on the existing stockpile.
- ALLOWANCE has been made to stockpile clay to be used in the clay liner construction to the western side of the work area
- ALLOWANCE has been made for 5 days of lost time due to extreme weather events in this tender schedule / construction time frame.
- Gambier Earth Movers Pty Ltd shall make every reasonable effort to ensure clay source is accessible and clay usable prior to mobilisation from proposed excavation site. Should this become a schedule / time frame issue Gambier Earth Movers Pty Ltd shall discuss with the City of Mount Gambier Representative at the earliest possible convenience.

We trust our tender submission meets with your approval. However if you have any queries regarding our submission, please do not hesitate to contact me (08) 8725 4093 or 0423 647 610.

Yours faithfully

GAMBIER EARTH MOVERS PTY LTD

A handwritten signature in black ink, appearing to read 'Adam Maywald', written in a cursive style.

Adam Maywald

Engineering Manager

Schedule 19 Pricing

Please provide fixed lump sum pricing.

All prices must be listed exclusive of GST.

Cell 3C

1. Excavation of existing 300mm cover material and stockpiling onsite.	\$36,569.50
2. Cost to condition, test and replace top layer of existing clay as required.	\$24.81/m ³ .
3. Cost to supply, transport and install clay liner to Cell 3C.	\$424,273.78
4. Cost to supply, transport and install drainage layer (including aggregate, pipes and geotextile).	\$290,753.14
5. Miscellaneous costs to balance with lump sum price.	\$79,174.33
6. Level 1 Supervision of Earthworks	\$58,644.18
TOTAL	\$889,414.93