

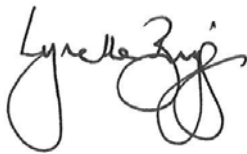
Project Approval

Section 75J of the *Environmental Planning and Assessment Act 1979*

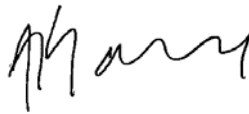
As delegate of the Minister for Planning, the Planning Assessment Commission of New South Wales approves the project application referred to in Schedule A, subject to the conditions in Schedules B to D.

These conditions are required to:

- prevent and/or minimise adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the Project.



Lynelle Briggs AO
Chair of the Commission



Abigail Goldberg
Member of the Commission



Garry West
Member of the Commission

Sydney

11 September 2015

SCHEDULE A

Application No:	05_0157
Proponent:	Moorebank Recyclers Pty Ltd
Approval Authority:	Minister for Planning
Land:	Lots 308, 309 and 310 DP 1118048 and Lot 6 DP 1065574 Newbridge Road, Moorebank
Project:	Moorebank Materials Recycling Facility

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DEFINITIONS

AHD	Australian Height Datum
BCA	Building Code of Australia
CEMP	Construction Environmental Management Plan
CCC	Community Consultative Committee
Construction	The demolition of buildings or works, the carrying out of works, including bulk earthworks, and erection of buildings and other infrastructure covered by this consent
Council	Liverpool City Council
Day	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
Department	Department of Planning and Environment
EA	Environmental Assessment titled <i>Environmental Assessment – Materials Recycling Facility</i> , prepared by Nexus Environmental Planning Pty Ltd, dated 19 February 2013
EPA	Environment Protection Authority
EP&A Act	<i>Environmental Planning & Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning & Assessment Regulation 2000</i>
EPL	Environment Protection Licence issued under the POEO Act
Feasible	Feasible relates to engineering considerations and what is practical to build
Heavy vehicle	Any vehicle with a gross vehicle mass of 5 tonnes or more
Incident	A set of circumstances that: <ul style="list-style-type: none"> causes or threatens to cause material harm to the environment; and/or breaches or exceeds the limits, criteria or performance measures in this approval
Noise barriers plan	Plan for noise barriers shown in Appendix D
NOW	NSW Office of Water
OEH	Office of Environment and Heritage
Operation	Operations are triggered by the receipt of waste
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
Product	Construction material recovered from waste by a process occurring on the site
Project Plans	Plans for the project in Appendix A
Proponent	Moorebank Recyclers Pty Ltd, or successor
Reasonable	Reasonable relates to the application of judgment in arriving at a decision, taking into account mitigation benefits, costs of mitigation versus benefits provided, community views and the nature and extent of potential improvements
RMS	Roads and Maritime Services
PPR	Preferred Project Report titled <i>Preferred Project Report – Materials Recycling Facility</i> , prepared by Nexus Environmental Planning Pty Ltd, dated 15 August 2013
Secretary	Secretary of the Department, or nominee
Site	Land referred to in Schedule A, as generally depicted by a red line in the plan in Appendix A
Site Auditor	As defined in the <i>Contaminated Land Management Act 1997</i>
Site Audit Statement	As defined in the <i>Contaminated Land Management Act 1997</i>
Site Audit Report	As defined in the <i>Contaminated Land Management Act 1997</i>
Statement of commitments	The Proponent's statement of commitments in Appendix B
Tpa	Tonnes per annum
Waste	As defined in the POEO Act

SCHEDULE B ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

- B1. The Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation or decommissioning of the project.

TERMS OF APPROVAL

- B2. The Proponent shall carry out the project generally in accordance with the:
- EA;
 - PPR;
 - statement of commitments (see Appendix B);
 - project plans;
 - noise barriers plan (see Appendix D); and
 - conditions of this approval.
- B3. If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.
- B4. The Proponent shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of:
- any audits, reports, plans, strategies, programs or correspondence that are submitted in accordance with this approval; and
 - the implementation of any actions or measures contained in these audits, reports, plans, strategies, programs or correspondence.

LIMITS OF APPROVAL

- B5. The Proponent must not receive more than 500,000 tpa of waste at the site.
- B6. The Proponent must not process more than 500,000 tpa of waste at the site.
- B7. The Proponent shall ensure that the stockpiles do not exceed the heights specified in Table 1.

Table 1: Maximum stockpile height

Stockpile	Maximum Height (AHD)
Waste	12.5 metres
Product	9.5 metres

DEVELOPMENT CONTRIBUTIONS

- B8. In accordance with Division 6 of Part 4 of the Act, the Proponent shall pay to Council monetary contributions calculated in accordance with the relevant Liverpool Contributions Plan. The monetary contributions shall be paid prior to the issue of a Construction Certificate for the project.

STRUCTURAL ADEQUACY

- B9. The Proponent shall ensure that all new buildings and structures are constructed in accordance with the relevant requirements of the BCA.

Notes:

- Under Part 4A of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for proposed building works.*
- Part 8 of the EP&A Regulation sets out the requirements for the certification of the Project.*

STATUTORY REQUIREMENTS

- B10. The Proponent shall ensure that all licences, permits and approvals are obtained and maintained as required throughout the life of the Project. No condition of this approval removes the obligation of the Proponent to obtain, renew or comply with such licences, permits or approvals.

PROTECTION OF PUBLIC INFRASTRUCTURE

- B11. The Proponent shall:
- repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the project; and

- b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the project.

OPERATION OF PLANT AND EQUIPMENT

- B12. The Proponent shall ensure that all plant and equipment used for the Project is:
- a) maintained in a proper and efficient condition; and
 - b) operated in a proper and efficient manner.

STAGED SUBMISSION OF PLANS OR PROGRAMS

- B13. With the approval of the Secretary, the Proponent may:
- a) submit any strategy, plan or program required by this consent on a progressive basis; and/or
 - b) combine any strategy, plan or program required by this consent.

REVISION OF PLANS AND PROGRAMS

- B14. The Proponent shall review, and if necessary revise, the plans and programs required under this approval to the satisfaction of the Secretary within three (3) months of:
- a) an Air Quality Validation Report under condition C8 of Schedule 3;
 - b) a Noise Validation Report under condition C16 of Schedule 3;
 - c) an incident report under condition D6 of Schedule 4;
 - d) an independent environmental audit under condition D8 of Schedule 4; or
 - e) a modification to the approval.

Note: This is to ensure the plans and programs are updated on a regular basis, and incorporate any recommended additional measures to improve the environmental performance of the project.

STAGING

- B15. The Proponent may elect to construct and/ or operate the project in stages. Where staging is proposed, the Proponent shall submit a Staging Report to the Secretary prior to the commencement of the first proposed stage. The Staging Report shall provide details of:
- a) how the project would be staged, including general details of work activities associated with each stage and the general timing of when each stage would commence; and
 - b) details of the relevant conditions of consent, which would apply to each stage and how these shall be complied with across and between the stages of the project.

Where staging of the project is proposed, these conditions of consent are only required to be complied with at the relevant time and to the extent that they are relevant to the specific stage(s).

The Proponent shall ensure that an updated Staging Report (or advice that no changes to staging are proposed) is submitted to the Secretary prior to the commencement of each stage, identifying any changes to the proposed staging or applicable conditions.

DISPUTE RESOLUTION

- B16. In the event that a dispute arises between the Proponent and Council or a public authority other than the Department, in relation to a specification or requirement applicable under this consent, the matter must be referred by either party to the Secretary, or if not resolved, to the Minister, whose determination of the dispute shall be final and binding to all parties. For the purpose of this condition, 'public authority' has the same meaning as provided under Section 4 of the EP&A Act.

SCHEDULE C ENVIRONMENTAL CONDITIONS

WASTE SCREENING AND ACCEPTANCE

- C1. The Proponent must:
- a) implement auditable procedures to:
 - screen incoming waste loads;
 - ensure that waste is not accepted at the site that is not permitted by the EPL; and
 - ensure that asbestos waste is not accepted at the site.
 - b) ensure that:
 - all waste that is controlled under a tracking system has the appropriate documentation prior to acceptance at the site; and
 - staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste such as asbestos.

METEOROLOGICAL MONITORING

- C2. For the life of the project, the Proponent shall ensure that there is a meteorological station in a suitable location on the site that complies with the latest version of the *Approved Methods for Sampling of Air Pollutants in New South Wales*. The meteorological station must be maintained so as to be capable of continuously monitoring air temperature, wind direction, wind speed, rainfall and relative humidity.

AIR QUALITY

Odour

- C3. The Proponent shall not cause or permit the emission of offensive odours from the site, as defined under Section 129 of the POEO Act.

Greenhouse Gas

- C4. The Proponent shall implement all reasonable and feasible measures to minimise the:
- a) energy use of the project; and
 - b) scope 1 and 2 greenhouse gas emissions of the project.

Air Quality Criteria

- C5. The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that the particulate matter emissions generated by the project do not cause exceedences of the criteria listed in Tables 2, 3 and 4 at any residence on privately-owned land.

Table 2: Long term impact assessment criteria for particulate matter

Pollutant	Averaging period	^d Criterion
Total suspended particulate (TSP) matter	Annual	^a 90 µg/m ³
Particulate matter < 10 µm (PM ₁₀)	Annual	^a 30 µg/m ³

Table 3: Short term impact assessment criterion for particulate matter

Pollutant	Averaging period	^d Criterion
Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m ³

Table 4: Long term impact assessment criteria for deposited dust

Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level
^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month

Notes to Tables 2-4:

- ^a Total impact (i.e. incremental increase in concentrations due to the project plus background concentrations due to other sources);
- ^b Incremental impact (i.e. incremental increase in concentrations due to the project on its own);
- ^c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: *Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method*;
- ^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents or any other activity agreed by the Secretary.

Air Quality Impact Mitigation

- C6. The Proponent shall:
- operate the project so that air quality impacts are minimised during all meteorological conditions; and
 - implement all reasonable and feasible measures to minimise dust emissions including, but not limited to:
 - water sprays for all external crushing, screening or sorting;
 - watering of stockpiles and exposed earth;
 - stabilising the perimeter bunds and other areas of exposed earth with vegetation;
 - ensuring heavy vehicle loads are covered at all times; and
 - maintaining trafficable areas to minimise wheel dust emissions and to ensure heavy vehicles leaving the site do not track dirt onto public roads.

Air Management

- C7. The Proponent shall prepare and implement an Air Quality Management Plan for the project to the satisfaction of the Secretary. The plan must:
- be prepared in consultation with the EPA, and be approved by the Secretary prior to the commencement of construction;
 - describe the measures that would be implemented to ensure:
 - all reasonable and feasible measures are employed to minimise dust emissions;
 - compliance with the relevant conditions of this approval and the EPL;
 - contingency measures are deployed to minimise impacts should an exceedence of the criteria occur or appear likely to occur;
 - include an Air Quality Monitoring Program to evaluate the performance of the project; and
 - include a protocol to determine the occurrence of an exceedence of the criteria in this approval and the EPL should an exceedence occur.

Air Quality Validation Reports

- C8. The Proponent shall prepare Air Quality Validation Reports for the project to the satisfaction of the Secretary. The reports must be prepared in consultation with the EPA by a qualified expert whose appointment has been endorsed by the Secretary. The first report must be prepared within 3 months of commencing operation and subsequent reports must be prepared every 6 months thereafter, or as otherwise agreed by the Secretary. The reports must:
- validate air quality impacts of the project in operation against predictions made in the EA, the criteria in this approval and the EPL; and
 - review the effectiveness of the Air Quality Management System and measures to minimise dust emissions and if necessary make recommendations to implement and prioritise additional measures.

NOISE AND VIBRATION

Construction and Operation Hours

- C9. The Proponent shall only carry out the project during the hours specified in Table 5, unless otherwise agreed to in writing by the Secretary.

Table 5: Construction and Operation Hours for the Project

Activity	Day	Time
Construction	Monday – Friday	7 am to 6 pm
	Saturday	8 am to 1 pm
	Sunday or Public Holidays	Nil
Operation	Monday - Friday	7 am to 6 pm
	Saturday	8 am to 1 pm
	Sunday or Public Holidays	Nil

- C10. Construction works outside of the work hours identified in Table 5 above may be undertaken in the following circumstances:
- works (excluding piling) that generate airborne noise that is no more than 5 dB(A) above rating background level at any residence in accordance with the ICNG;
 - for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons;
 - where it is required in an emergency to avoid the loss of lives, property and/or to prevent environmental harm; or
 - exceptional circumstances with the written agreement of the Secretary.

Noise criteria

- C11. The Proponent shall ensure that noise generated by the operation of the project does not exceed the noise criteria in Table 6.

Table 6: Operational noise criteria (dB(A))

Location	Criteria (Leq,15 min dBA)
1 (Malinya Crescent)	49
2 (Elouera Crescent), 3 (Martin Crescent)	48
4K (Georges Fair)	53
4N (Georges Fair), 4M (Georges Fair), 4S (Georges Fair)	52

Notes:

- To interpret the location referred to in Table 6, see the figure in Appendix C; and
- Noise generated by the project is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.

Vibration Criteria

- C12. The Proponent shall ensure that vibration resulting from the project does not exceed the continuous or impulsive vibration criteria in EPA's *Assessing Vibration: A Technical Guideline* (February 2006) at residential receivers.

Noise Mitigation

- C13. The Proponent shall:
- operate the project so that noise impacts are minimised during all meteorological conditions; and
 - implement all reasonable and feasible measures to minimise noise impacts including, but not limited to:
 - modified operation during adverse meteorology;
 - hydraulic dipper door snubbers on tip trucks;
 - wide band reversing alarms (or another suitable alternative) on trucks and other mobile plant;
 - erection of a 1.5m acoustic barrier along part of the length of the private haul route; and
 - full enclosure of fixed crushing and grinding equipment.

Noise Barriers

- C14. The Proponent shall install the noise barriers shown in the noise barriers plan (see Appendix D), or as modified to allow for the intersection treatment identified in Condition 21, to the satisfaction of the Secretary prior to the commencement of operation.

Noise Management Plan

- C15. The Proponent shall prepare and implement a Noise Management Plan for the Project to the satisfaction of the Secretary. The plan must:
- be prepared in consultation with the EPA, and be approved by the Secretary prior to the commencement of construction;
 - describe the measures that would be implemented to ensure:
 - all reasonable and feasible measures are employed to minimise noise impacts;
 - truck drivers are aware of suitable truck noise mitigation measures;
 - contingency measures are deployed to minimise impacts should an exceedence of the criteria occur or appear likely to occur; and
 - compliance with the relevant conditions of this approval and the EPL;
 - include a Noise Monitoring Program to evaluate the performance of the project; and
 - include a protocol to determine the occurrence of an exceedence of the criteria in this approval and the EPL should such an exceedence occur.

Noise Validation Reports

- C16. The Proponent shall prepare Noise Validation Reports for the project to the satisfaction of the Secretary. The reports must be prepared in consultation with the EPA by a qualified expert whose appointment has been endorsed by the Secretary. The first report must be prepared within 3 months of commencing operation and subsequent reports must be prepared every 6 months thereafter, or as otherwise agreed by the Secretary. The reports must:
- validate noise impacts of the project in operation against predictions made in the EA, the criteria in this approval and the EPL; and
 - review the effectiveness of the Noise Management System and measures to minimise noise impacts and if necessary make recommendations to implement and prioritise additional measures.

TRAFFIC AND TRANSPORT

Construction Access

- C17. The Proponent shall construct upgrades to the existing driveway off Newbridge Road for the purposes of construction traffic in accordance with RMS requirements and to the satisfaction of RMS.
- C18. The Proponent shall only use the existing driveway off Newbridge Road for the duration of the construction of access and intersection to Brickmakers Drive.

Construction Traffic Management Plan

- C19. The Proponent shall prepare and implement a Construction Traffic Management Plan for the project to the satisfaction of the Secretary. The plan must:
- a) be prepared in consultation with the RMS and Council, and be approved by the Secretary prior to the commencement of construction; and
 - b) detail construction vehicle routes, estimated heavy vehicle movements, hours of construction, access arrangements and traffic control.

Operational Traffic

- C20. The Proponent shall construct the new access and intersection to Brickmakers Drive in accordance with the requirements of condition C21 and to the satisfaction of Council, prior to the commencement of operation.
- C21. The intersection shall be controlled by a roundabout or alternative treatment, to safely facilitate access from the link road onto Brickmakers Drive. The intersection treatment shall be:
- a) designed by a suitably qualified person, in consultation with the Proponent, RMS and Council;
 - b) designed based on the most recent traffic data and include consideration of additional measures to be implemented to ensure traffic slows and adequate sight distances are able to be met;
 - c) designed with consideration given to the plans of the bridge and associated ramps (Appendix D); and
 - d) endorsed by a suitably qualified practitioner, in accordance with AS 2890.1 - 2004 and AS 2890.2 – 2002.
- C22. The Proponent shall ensure that heavy vehicles associated with the project do not travel on Governor Macquarie Drive or Maddecks Avenue in Moorebank.
- C23. The Proponent shall ensure that:
- a) site access, driveways and parking areas are constructed and maintained in accordance with the latest versions of AS 2890.1 and AS 2890.2;
 - b) the project does not result in any vehicles parking or queuing on the public road network or on private land;
 - c) all loading and unloading of heavy vehicles is carried out on-site;
 - d) all heavy vehicles associated with the project have their loads covered and do not track dirt onto public roads; and
 - e) all vehicles enter and leave the site in a forward direction via Brickmakers Drive.

Operational Traffic Management Plan

- C24. The Proponent shall prepare and implement an Operational Traffic Management Plan for the project to the satisfaction of the Secretary. The plan must:
- a) be prepared in consultation with RMS and Council, and be approved by the Secretary prior to the commencement of construction;
 - b) describe the measures that would be implemented to manage traffic generated by the project including:
 - identification of designated haul routes, site access, internal roads, turning areas, and parking; and
 - measures to minimise heavy vehicle noise impacts, including measures to minimise the impact of reversing alarms;
 - c) include a heavy vehicle driver Code of Conduct; and
 - d) include a protocol to monitor compliance with the traffic and transport requirements of this approval.

SOIL AND WATER

Discharge Limits

- C25. Except as may be expressly provided in an EPL for the site, the Proponent shall comply with Section 120 of the POEO Act.

Bunding and Storage of Liquids

- C26. The Proponent shall store all chemicals, fuels and oils used on site in appropriately banded areas in accordance with the requirements of all relevant Australian Standards, and/or the EPA's *Environmental Protection Manual: Technical Bulletin Bunding and Spill Management*.

Floodplain Management

- C27. The Proponent shall offset the loss of flood storage by way of compacting part of the former landfill in area 2.

Floodplain Management Plan

- C28. The Proponent shall prepare and implement a Floodplain Management Plan for the project to the satisfaction of the Secretary. The plan must:
- a) be approved by the Secretary prior to the commencement of construction;
 - b) set-out the geo-technical performance requirements for the compaction of area 2 to provide additional flood storage; and
 - c) describe the measures that would be implemented during construction to minimise flooding impacts.

Sewage Management

- C29. The Proponent shall install, operate and maintain an on-site sewage management system for the project in accordance with Council's requirements.

Stormwater Management

- C30. The Proponent shall to the satisfaction of the Secretary:
- a) operate a Stormwater Management System for the project, which has prepared in accordance with Council requirements; and
 - b) implement measures to manage stormwater impacts including, but not limited to:
 - clean water diversion and site separation into clean and dirty surface water areas;
 - sediment detention, water quality control and rainwater harvesting;
 - erosion and sediment control in accordance with *Managing Urban Stormwater – Soils and Construction Volume 1 (Landcom, 2004)*;
 - stabilisation and revegetation of areas of exposed earth; and
 - volume and quality control for any stormwater discharges.

Stormwater Management Plan

- C31. The Proponent shall prepare and implement a Stormwater Management Plan for the project to the satisfaction of the Secretary. The plan must:
- a) be prepared in consultation with Council and the EPA, and be approved by the Secretary prior to the commencement of construction;
 - b) describe the Stormwater Management System;
 - c) describe the measures that would be implement to ensure:
 - management of stormwater impacts; and
 - compliance with the relevant condition of this approval and the EPL;
 - d) include a Stormwater Monitoring Program to:
 - evaluate the performance of the project; and
 - support the Stormwater Management System.

Site Audit Statement

- C32. Upon completion of any earthworks on the site, the Proponent shall obtain a Site Audit Statement and a Site Audit Report from a Site Auditor, which demonstrates that the site is suitable for its intended use.

ONGOING LANDFILL MANAGEMENT

- C33. The Proponent shall prepare and implement a Landfill Management Plan (Operations Manual) for the project to the satisfaction of the Secretary. The plan must:
- a) be prepared by a suitably qualified expert, and be approved by the Secretary prior to the commencement of construction;
 - b) include geo-technical assessments of the final design of earthworks and building footings;
 - c) describe measures to ensure the ongoing integrity of the landfill and landfill cap;
 - d) set out a protocol to ensure the final design level of the project site is maintained;
 - e) describe measures to manage the migration of landfill gas to buildings; and
 - f) include a program of ongoing water table monitoring.

VISUAL AMENITY

Lighting

- C34. All external lighting associated with the Project shall be mounted, screened, and directed in such a manner so as not to create a nuisance to the surrounding environment, properties and roadways. The lighting shall be the minimum level of illumination necessary and shall comply with Australian Standard AS4282 1997 – Control of the Obtrusive Effects of Outdoor Lighting.

Signage

- C35. The Proponent shall not install any advertising or business signage on-site without the written approval of the Secretary.

Landscape Management Plan

- C36. The Proponent shall prepare and implement a Landscape Management Plan for the project to the satisfaction of the Secretary. The plan shall:
- a) be prepared in consultation with Council, and be approved by the Secretary prior to the commencement of construction;
 - b) detail the landscaping measures including vegetation that would be implemented to minimise the visual impact of the project, particularly from residences and public vantage points;
 - c) describe the measures to stabilise the perimeter mounds with vegetation; and
 - d) include measures for monitoring and maintenance of revegetated areas.

FLORA AND FAUNA

Biodiversity Offsets

- C37. The Proponent shall offset the removal of 0.27 hectares of River Flat Eucalypt Forest by purchasing and retiring 9 ecosystem credits of the appropriate type prior to the commencement of construction.

Biodiversity Management Plan

- C38. The proponent shall prepare and implement a Biodiversity Management Plan for the project to the satisfaction of the Secretary. The plan shall:
- a) be prepared in consultation with the OEH and approved by the Secretary prior to the commencement of construction;
 - b) include a biobanking assessment identifying the appropriate type of ecosystem credits to be purchased and retired to offset the project;
 - c) describe measures (using text, maps and diagrams) to be implemented to minimise impacts on flora and fauna during construction; and
 - d) include a protocol for identifying and fencing off the area of Ironbark Open Forest near the south west site boundary and any other vegetation this is to be retained

HERITAGE

- C39. In the event that an item of Aboriginal heritage is unexpectedly uncovered, the Proponent shall:
- a) immediately cease work in the vicinity of the item;
 - b) notify Police (in the case of human remains), the OEH and registered Aboriginal stakeholders; and
 - c) only recommence works authorised by Police and/or the OEH.

FIRE, FLOOD AND EMERGENCY RESPONSE

Fire Management

- C40. The Proponent shall:
- a) implement suitable measures to minimise the risk of fire on-site;
 - b) extinguish any fires on-site promptly; and
 - c) maintain adequate fire-fighting capacity on-site.

Flood Management

- C41. The Proponent shall:
- a) ensure the finished floor level of:
 - the office building is at least RL 6m AHD; and
 - any other building is at least RL 5.5m AHD;
 - b) only use building materials that can tolerate repeated immersion in floodwater below RL 6m AHD;
 - c) ensure any power point, control panel or other electrical item is installed above RL 6.5m AHD;
 - d) implement suitable measures to ensure mobile plant, other equipment, oils, fuels and other consumables are protected and/or secured during flooding; and
 - e) implement an early warning flood readiness and evacuation plan for the site.

Emergency Response Plan

- C42. The Proponent shall prepare and implement an emergency response plan for the site. The plan must:
- a) be submitted to the Secretary for approval prior to the commencement of construction;
 - b) be accessible on the site at all times;
 - c) include a risk assessment of likely incidents that could occur on-site (e.g. spills, explosion, fire and flood) based on the activities being undertaken, site risks and consequence to the receiving environment;
 - d) include the early warning flood readiness and evacuation plan for the site; and
 - e) document the systems and procedures to deal with the types of incidents identified including relevant incident notification procedures.

SCHEDULE D
ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

ENVIRONMENTAL MANAGEMENT

Construction Environment Management Plan

- D1. The Proponent shall prepare and implement a Construction Environmental Management Plan for the construction of the project to the satisfaction of the Secretary. The plan must:
- a) be prepared by a suitably qualified and experienced expert or team of experts;
 - b) be submitted to the Secretary for approval no later than 4 weeks prior to the commencement of construction of the project, or within an alternative timeframe agreed to in writing by the Secretary (see Condition D3 for management plan requirements);
 - c) identify the statutory licences, permits and approvals that apply to the project;
 - d) include a copy of all relevant management plans and monitoring programs relevant under this approval;
 - e) incorporate all relevant management and mitigation measures outlined in Appendix C of this approval;
 - f) outline all environmental management practices and procedures to be followed during construction and demolition works associated with the project;
 - g) describe all activities to be undertaken on the site during construction of the project, including a clear indication of construction stages;
 - h) detail how the environmental performance of the construction of the project will be monitored, and what actions will be taken to address identified adverse environmental impacts and issues, including (but not limited to):
 - air quality (see conditions C3 to C8);
 - noise and vibration (see conditions C9 to C16);
 - traffic and transport (see conditions C17 to C24);
 - soil and water (see conditions C25 to C31);
 - ongoing landfill management (see condition C33);
 - visual amenity (see conditions C34 to C36);
 - flora and fauna (see conditions C37 and C38);
 - heritage (see condition C39);
 - fire, flood and emergency response (see conditions C40 to C42).
 - i) describe the roles and responsibilities for all relevant employees involved in construction and demolition works associated with the project;
 - j) include arrangements for community consultation at key stages of the project;
 - k) include a complaints handling procedure during construction, demolition and operation; and,
 - l) include appropriate procedures to allow the regular review of the requirements of each plan to ensure that they are effective and allow for adaptive management to address contingencies that may arise over the life of the project.

The approval of a Construction Environmental Management Plan does not relieve the Proponent of any requirement associated with this approval. If there is an inconsistency with an approved Construction Environmental Management Plan and the conditions of this approval, the requirements of this approval prevail.

Note: Construction of the project shall not commence until the written approval is received from the Secretary.

Operational Environmental Management Plan

- D2. The Proponent shall prepare and implement an Operational Environmental Management Plan for the project to the satisfaction of the Secretary. This plan must:
- a) be submitted to and approved by the Secretary prior to the commencement of operation of the project (see Condition D3 for management plan requirements);
 - b) provide the strategic framework for environmental management of the project;
 - c) identify the statutory licences, permits and approval/approvals that apply to the project;
 - d) include a copy of all relevant management plans and monitoring programs under this approval;
 - e) consolidate all relevant management and mitigation measures for the existing operations that will continue to be implemented on site together with those outlined in Appendix C of this approval;
 - f) outline all environmental management practices and procedures that will followed during the operation of the project, including those that will continue to be implemented by the Proponent in respect of the existing operations;
 - g) include a description of all activities to be carried on the site during the operation of the project;
 - h) detail how the environmental performance of the operation of the project will be monitored, and what actions will be taken to address identified adverse environmental impacts, including (but not limited to):
 - air quality (see conditions C3 to C8);
 - noise and vibration (see conditions C9 to C16);
 - traffic and transport (see conditions C17 to C24);
 - soil and water (see conditions C25 to C31);

- ongoing landfill management (see condition C33);
- visual amenity (see conditions C34 to C36);
- flora and fauna (see conditions C37 and C38);
- heritage (see condition C39);
- fire, flood and emergency response (see conditions C40 to C42).
- describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;
- i) describe the procedures that will be implemented to:
 - keep the local community and relevant agencies informed about the operation and environmental performance of the project;
 - receive, handle, respond to, and record complaints;
 - resolve any disputes that may arise during the course of the project;
 - respond to any non-compliance; and
 - respond to emergencies; and
- j) include:
 - copies of any strategies, plans and programs approved under the conditions of this approval; and
 - a clear plan depicting all the monitoring required to be carried out under the conditions of this approval.

Management Plan Requirements

- D3. The Proponent shall ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include:
- a) detailed baseline data;
 - b) a description of:
 - the relevant statutory requirements (including any relevant approval, licence or lease conditions);
 - any relevant limits or performance measures/criteria; and
 - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures;
 - c) a description of the measures that will be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;
 - d) a program to monitor and report on the:
 - impacts and environmental performance of the project; and
 - effectiveness of any management measures (see (c) above);
 - e) a contingency plan to manage any unpredicted impacts and their consequences;
 - f) a program to investigate and implement ways to improve the environmental performance of the project over time;
 - g) a protocol for managing and reporting any:
 - incidents;
 - complaints;
 - non-compliances with statutory requirements; and
 - exceedences of the impact assessment criteria and/or performance criteria; and
 - h) a protocol for periodic review of the plan.

Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.

Annual Review

- D4. Within 1 year of the commencement of operations of the project, and annually thereafter, or as otherwise agreed in writing by the Secretary, the Proponent shall review the environmental performance of the project to the satisfaction of the Secretary. This review must:
- a) describe the project that was carried out in the previous calendar year, and the project that is proposed to be carried out over the current calendar year;
 - b) include a comprehensive review of the monitoring results and complaints records of the project over the previous calendar year, which includes a comparison of these results against:
 - the relevant statutory requirements, limits or performance measures/criteria;
 - the monitoring results of previous years; and
 - the relevant predictions in the EIS;
 - c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
 - d) identify any trends in the monitoring data over the life of the project;
 - e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and
 - f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the project.

Revision of Strategies, Plans & Programs

- D5. Within 3 months of the submission of an:
- annual review under condition D4 of this Schedule;
 - incident report under condition D6 of this Schedule;
 - audit report under condition D9 of this Schedule; and
 - any modifications to this approval,
- the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Secretary.

Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the Project.

REPORTING

Incident Reporting

- D6. The Proponent shall notify the Secretary and any other relevant agencies of any incident or potential incident with actual or potential significant off-site impacts on people or the biophysical environment associated with the project immediately after the Proponent becomes aware of the incident. Within 7 days of the date of this incident, the Proponent shall provide the Secretary and any relevant agencies with a detailed report on the incident.

Regular Reporting

- D7. The Proponent shall provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval.

INDEPENDENT ENVIRONMENTAL AUDIT

- D8. Within a year of the commencement of operation of the project, and every 3 years thereafter, unless the Secretary directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must:
- be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
 - include consultation with the relevant agencies;
 - assess the environmental performance of the project and whether it is complying with the relevant requirements in this approval and any relevant statutory licences, permits and approval/approvals that apply to the project (including any assessment, plan or program required under these approvals);
 - review the adequacy of any approved strategy, plan or program required under these approvals; and
 - recommend measures or actions to improve the environmental performance of the project, and/or any assessment, plan or program required under these approvals.

Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.

- D9. Within 3 months of commissioning this audit, or as otherwise agreed by the Secretary, the Proponent shall submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.

ACCESS TO INFORMATION

- D10. The Proponent shall, unless otherwise agreed to in writing by the Secretary:
- make the following information publicly available on its website:
 - the EIS;
 - current statutory approvals for the project;
 - approved strategies, plans or programs;
 - a summary of the monitoring results of the project, which have been reported in accordance with the various plans and programs approved under the conditions of this approval;
 - a complaints register, updated on a quarterly basis;
 - copies of any annual reviews (over the last 5 years);
 - any independent environmental audit, and the Proponent's response to the recommendations in any audit; and
 - any other matter required by the Secretary; and
 - keep this information up-to-date.

APPENDIX A – PROJECT PLANS

DRAWING SCHEDULE

CONCRETE RECYCLERS PLANT FACILITY NEWBRIDGE ROAD MOOREBANK

TITLE	SCALE	DWG NO.	ISSUE
COVER SHEET	NTS	00	A
PROPOSED OVERALL REGRADED CONTOUR PLAN	1:2000	01	A
PROPOSED SITE CONTROLS	1:2000	02	A
PROPOSED OVERALL SITE PLAN	1:2000	03	A
PROPOSED DETAILED SITE PLAN	1:1000	04	A
PROPOSED SITE SECTIONS SHEET 1	1:500	05	A
PROPOSED SITE SECTIONS SHEET 2	1:500	06	A
OFFICE FLOOR AND WEIGHBRIDGES - PLAN	1:100	07	A
OFFICE FLOOR AND WEIGHBRIDGES - SECTIONS AND ELEVATIONS	1:100	08	A
STAFF LUNCH ROOM / AMENITIES - PLAN	1:100	09	A
STAFF LUNCH ROOM / AMENITIES - SECTIONS AND ELEVATIONS	1:100	10	A
WHEEL WASH STRUCTURE - PLAN	1:100	11	A
WORKSHOP BUILDING - PLAN	1:100	12	A
WORKSHOP BUILDING - SECTIONS AND ELEVATIONS	1:100	13	A
PRIMARY CRUSHER SHED - PLAN	1:100	14	A
PRIMARY CRUSHER SHED - SECTIONS AND ELEVATIONS	1:100	15	A
SECONDARY CRUSHER SHED & SCREEN SHED 1 - PLAN	1:100	16	A
SECONDARY CRUSHER SHED & SCREEN SHED 1 - SECTIONS AND ELEVATIONS	1:100	17	A
SCREEN SHED 2 - PLAN	1:100	18	A
SCREEN SHED 2 - SECTIONS AND ELEVATIONS	1:100	19	A
WORKSHOP SHED - PLAN	1:100	20	A
WORKSHOP SHED - SECTIONS AND ELEVATIONS	1:100	21	A

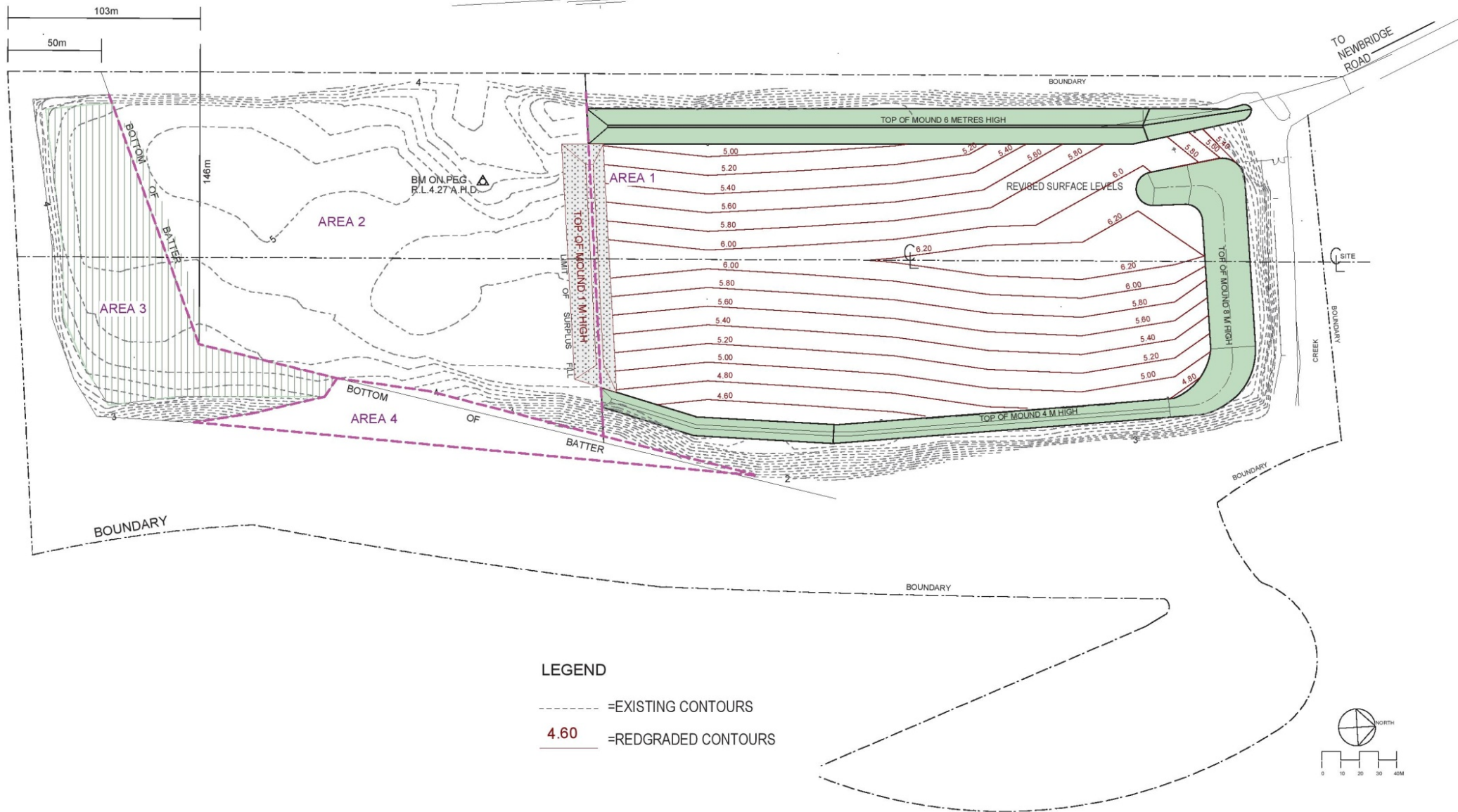
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						PROJECT ADDRESS: CONCRETE RECYCLERS NEWBRIDGE ROAD MOOREBANK	DESIGN	LMA	JOB No.
							DRAWN	JK	5018-13
							CHECKED	EMMC	DATE FIRST ISSUED JULY 2013
									OF
									ISSUE
									A



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plot date: 7/25/13
file name: 5018-13_250713-KC.docx



LEGEND

----- =EXISTING CONTOURS
4.60 =REDGRADED CONTOURS

ISSUE	DATE	APPROVED	COMMENTS
A	25.07.13	KC	FOR SUBMISSION

SURVEY BY:
 ASHER McNEIL & PARTNERS
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 EMAIL: steve@ahserconsulting.com.au
 plot date: 7/25/13
 file name: 5018-13_250713-KC.dwg

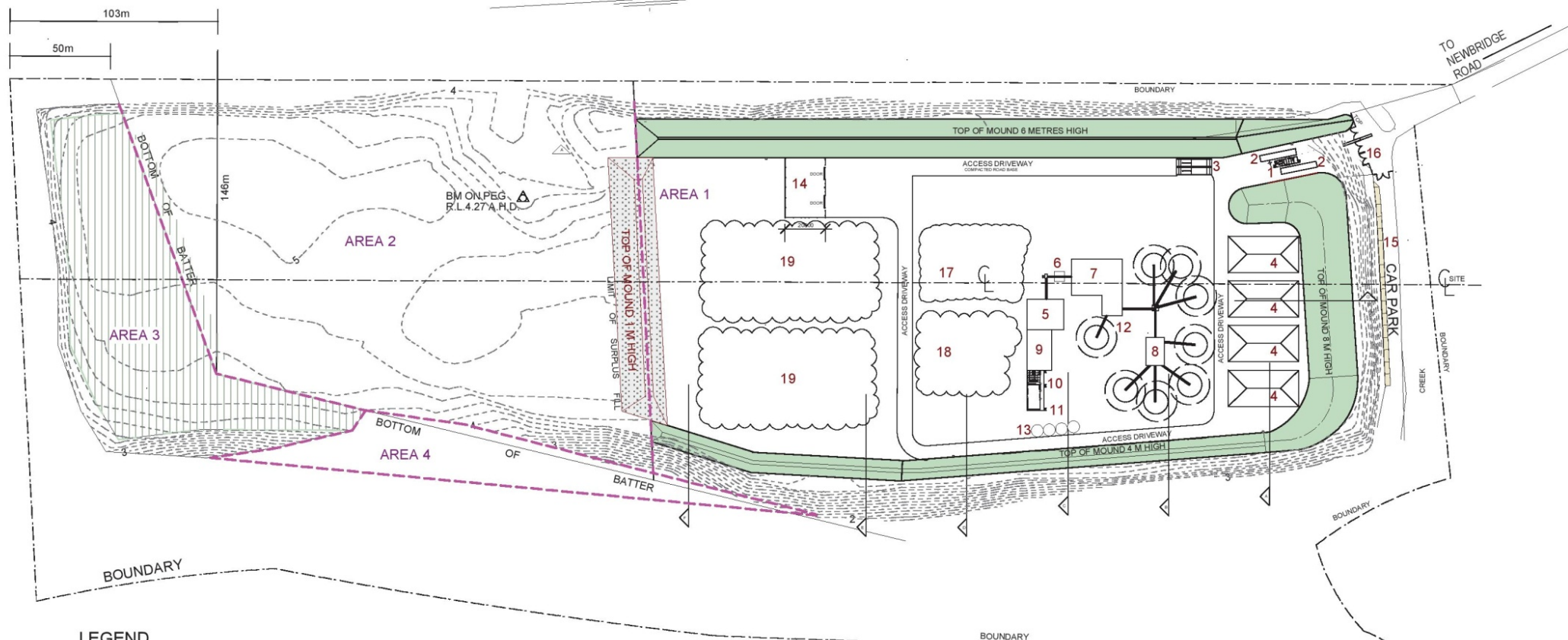


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 BRENT LAWSON
 CONCRETE RECYCLERS
 THACKERAY STREET CAMELLIA NSW 2142
 PROJECT ADDRESS:
 CONCRETE RECYCLERS
 NEWBRIDGE ROAD MOOREBANK

PROPOSED OVERALL REGRADED CONTOUR PLAN

SCALE		PASSED		DATE		
1:2000 @ A3		EMMC		25.07.13		
DESIGN	LMA	JOB No.		SHEET No.		ISSUE
DRAWN	KC	5018-13		01		
CHECKED	EMMC	DATE FIRST ISSUED: JULY 2013		OF		



LEGEND

- | | | | |
|---|--------------------------------------|----|------------------------------|
| 1 | OFFICE | 10 | TOILETS |
| 2 | WEIGH BRIDGE | 11 | STAFF LUNCHROOM |
| 3 | WHEEL WASH | 12 | MATERIAL PRODUCT |
| 4 | STOCK PILES- 4M HIGH | 13 | STORM WATER TANKS |
| 5 | PRIMARY CRUSHER SHED | 14 | LARGE WORKSHOP SHED |
| 6 | PICKING SHED | 15 | CAR PARK |
| 7 | SECONDARY CRUSHER SHED/SCREEN SHED 1 | 16 | NEW FENCE GATES |
| 8 | SCREEN SHED 2 | 17 | BRICK RUBBLE- 7M HIGH |
| 9 | WORKSHOP | 18 | CONCRETE RUBBLE- 7M HIGH |
| | | 19 | UNCRUSHED STOCKPILE- 7M HIGH |

----- =EXISTING CONTOURS

ISSUE	DATE	APPD	COMMENTS
A	25.07.13	KC	FOR SUBMISSION

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plot date: 7/25/13
file name: 5018-13_250713-KC.dwg



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SUITE 8
871 PACIFIC HIGHWAY
CHATSWOOD N.S.W. 2067



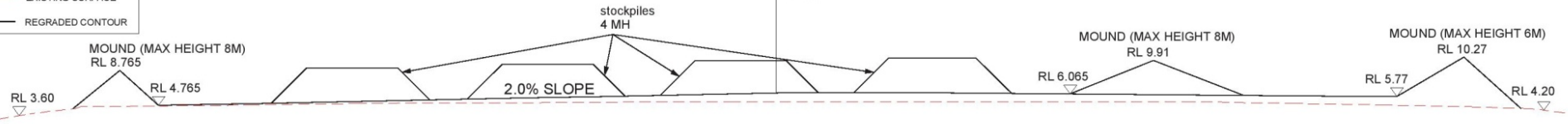
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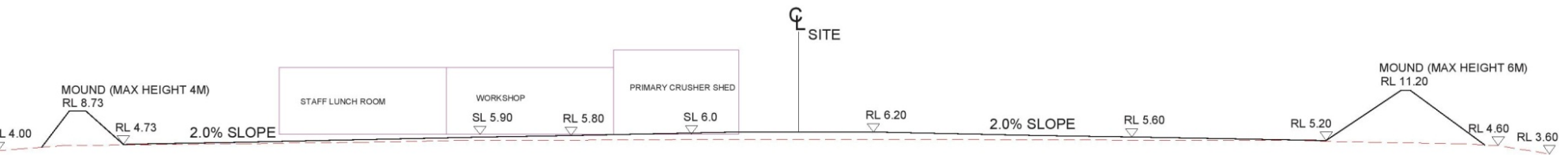
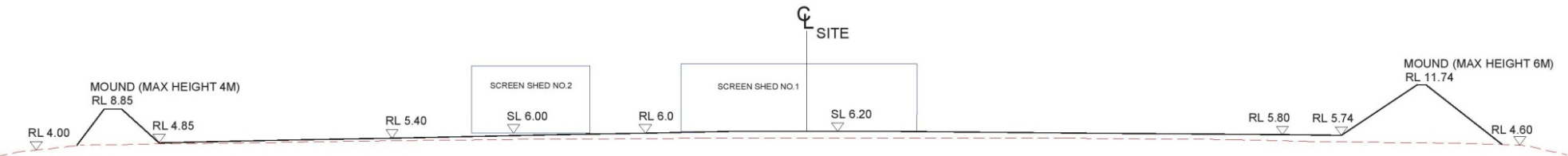
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CONCRETE RECYCLERS
NEWMBRIDGE ROAD MOOREBANK
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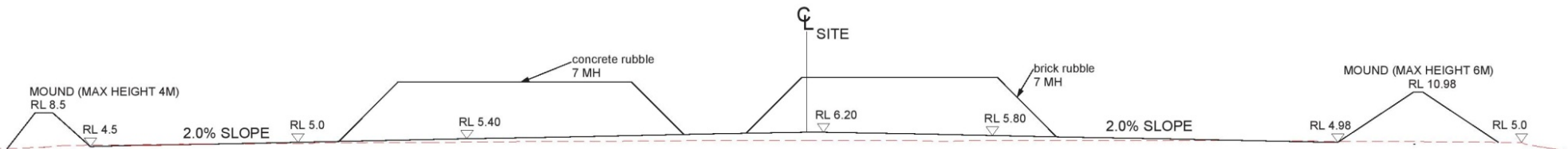
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— REGRADED CONTOUR



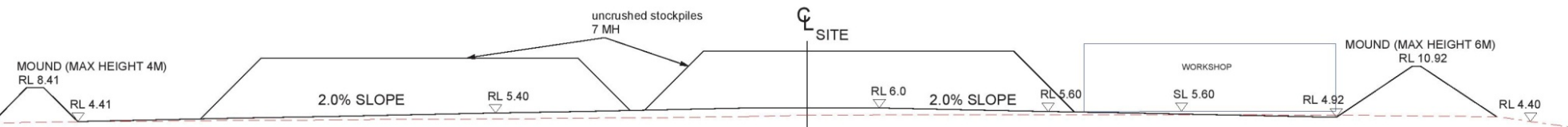
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CROSS SECTION C



CROSS SECTION D



CROSS SECTION E

ISSUE	DATE	APPD	COMMENTS
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plot date: 7/25/13
file name: 5018-13_250713-KC.dwg



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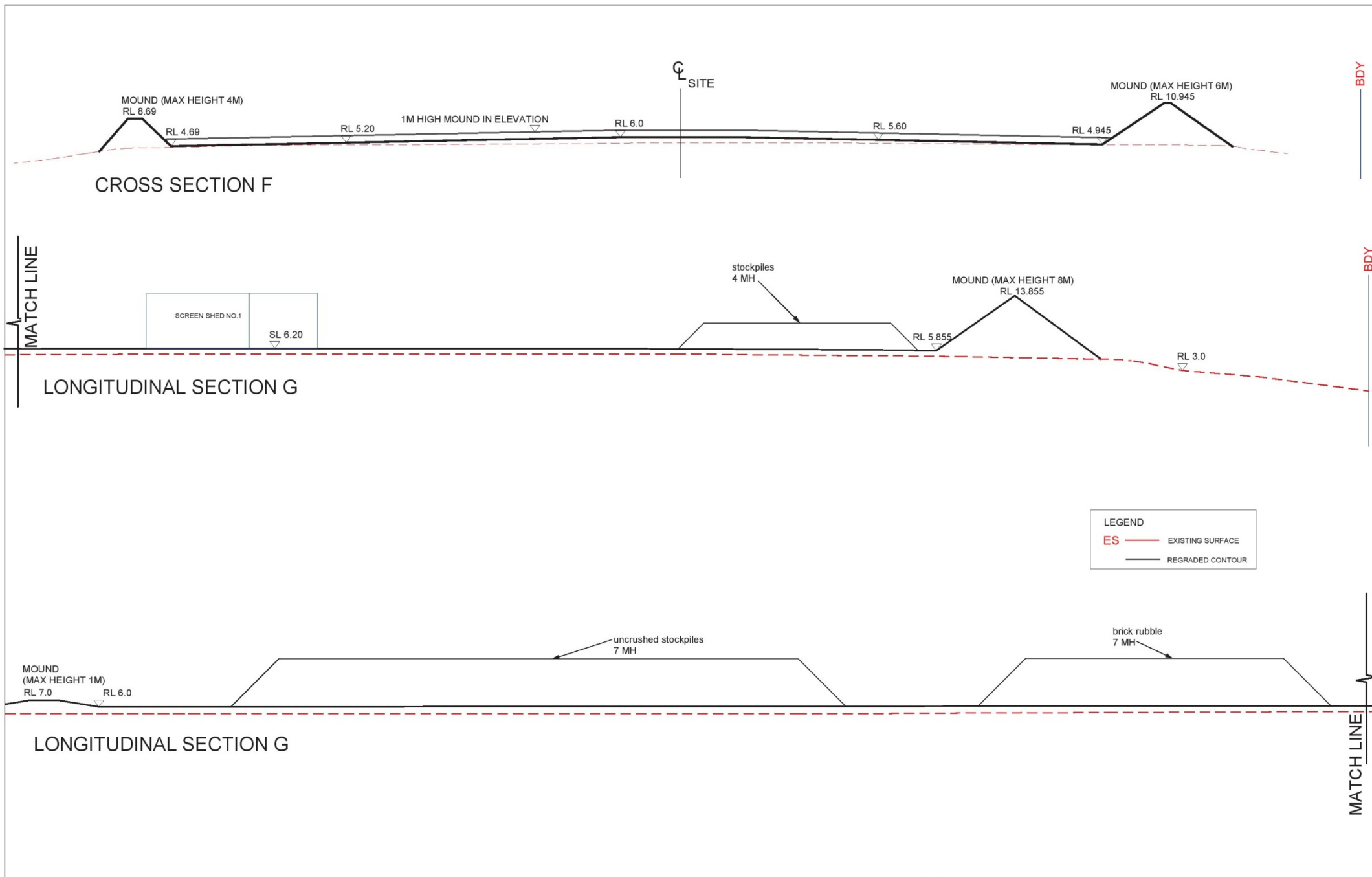
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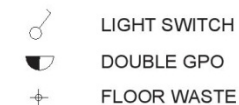
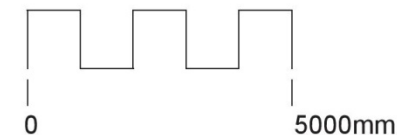
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CONCRETE RECYCLERS
NEVBRIDGE ROAD MOOREBANK

PROPOSED SITE SECTIONS SHEET 1

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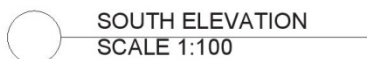
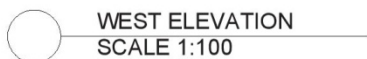


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A	25.07.13	KC	FOR SUBMISSION	ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@ahserconsulting.com.au				CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICA MARSHALL MCCLELLAND NO. 6513				BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142		1:500 @ A3	EMMC	25.07.13
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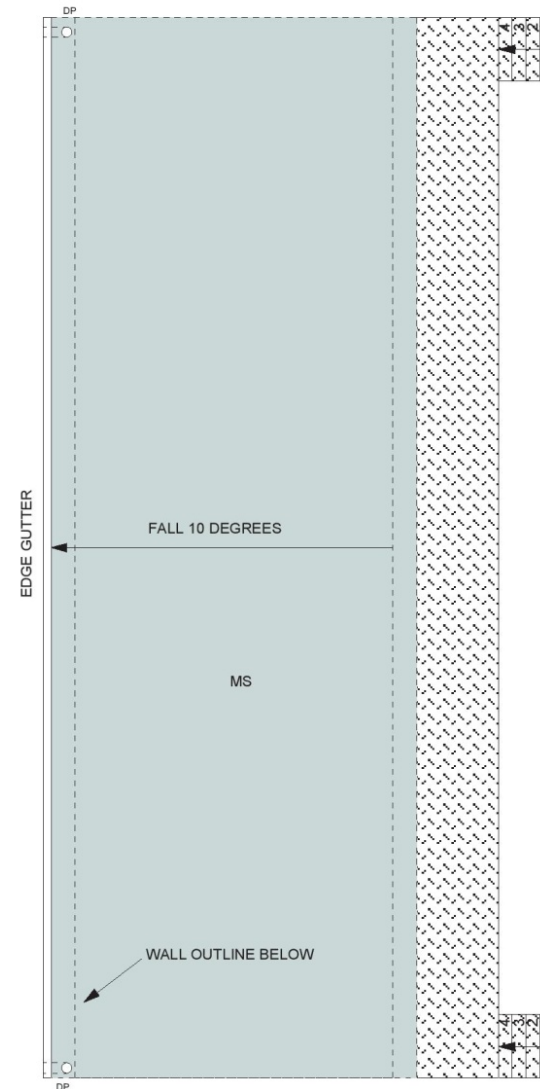
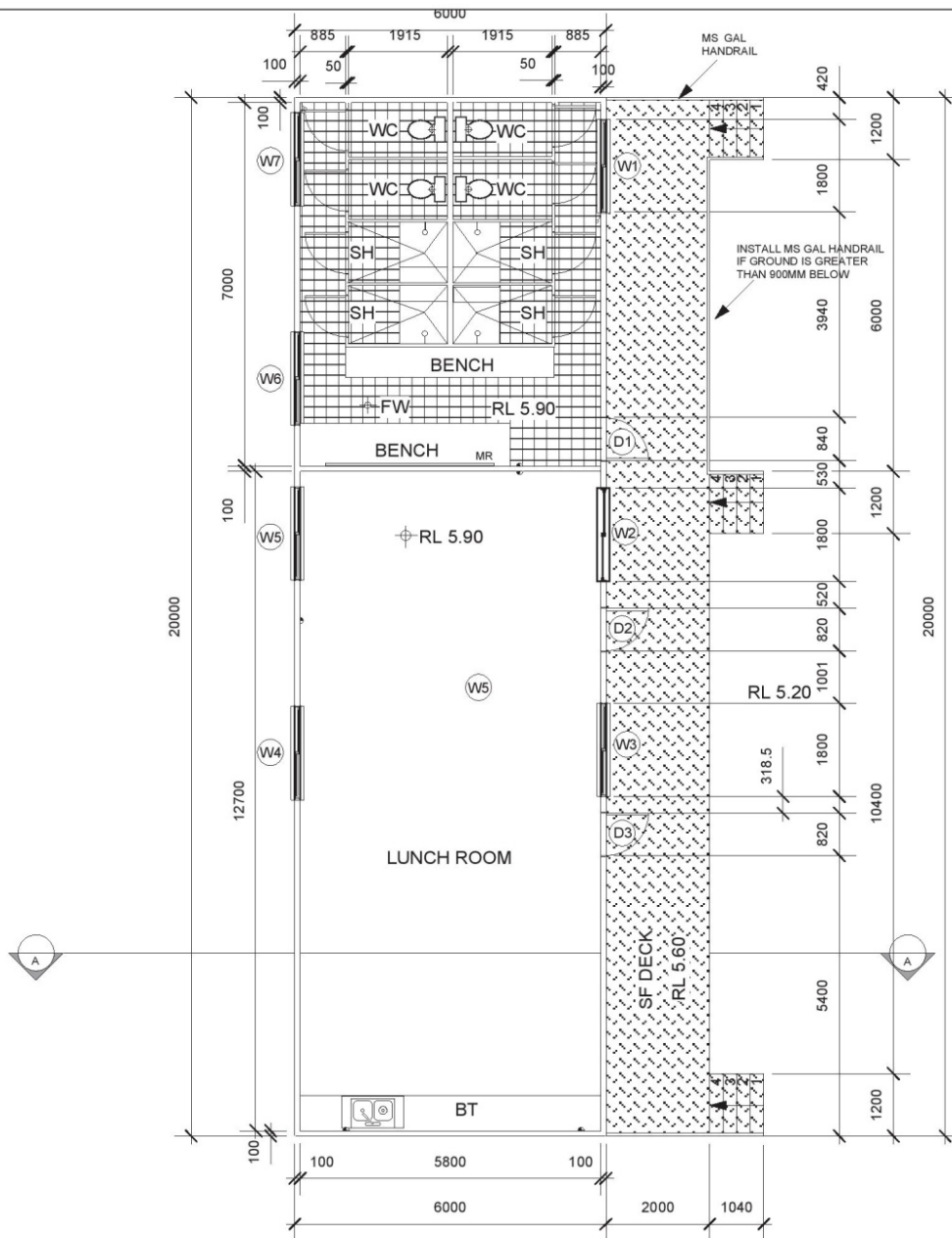


ROOF PLAN
SCALE 1:100

ISSUE	DATE	APPD	COMMENTS	SURVEY BY: ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@asherconsulting.com.au	 THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS	LYLE MARSHALL & ASSOCIATES PTY. LTD. CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND, NO. 6513 SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W. 2087 phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@aol.com  The Association of Consulting Engineers Australia www.lylemarshallandassociates.info	CLIENT: BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142	SCALE 1:100 @ A3	PASSED EMMC	DATE 25.07.13
A	25.07.13	KC	FOR SUBMISSION	plot date: 7/25/13 plot name: 8018-13_160713_KC.dwg			DESIGN DRAWN CHECKED DATE FIRST ISSUED JULY 2013	LMA KC EMMC	JOB NO 5018-13	SHEET NO 07



ISSUE				DATE	APPD	COMMENTS	SURVEY BY:	 MEMBER THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS	LYLE MARSHALL & ASSOCIATES PTY. LTD. CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND, NO. 6513 SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W. 2087 phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@aol.com.au web: www.lylemarshallandassociates.info	 The Association of Consulting Engineers Australia www.aeca.org.au	CLIENT:	SCALE	PASSED	DATE		
A	25.07.13	KC	FOR SUBMISSION	ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@ahserconsulting.com.au	BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142	1:100 @ A3	EMMC				25.07.13					
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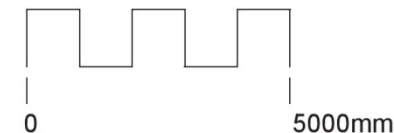


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				plot date: 7/25/13 file name: 5018-13_250713-KC-v02	phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@ozemail.com.au web: www.lylemarshallandassociates.info	CHECKED EMMC	DATE FIRST ISSUED JULY 2013	OF A

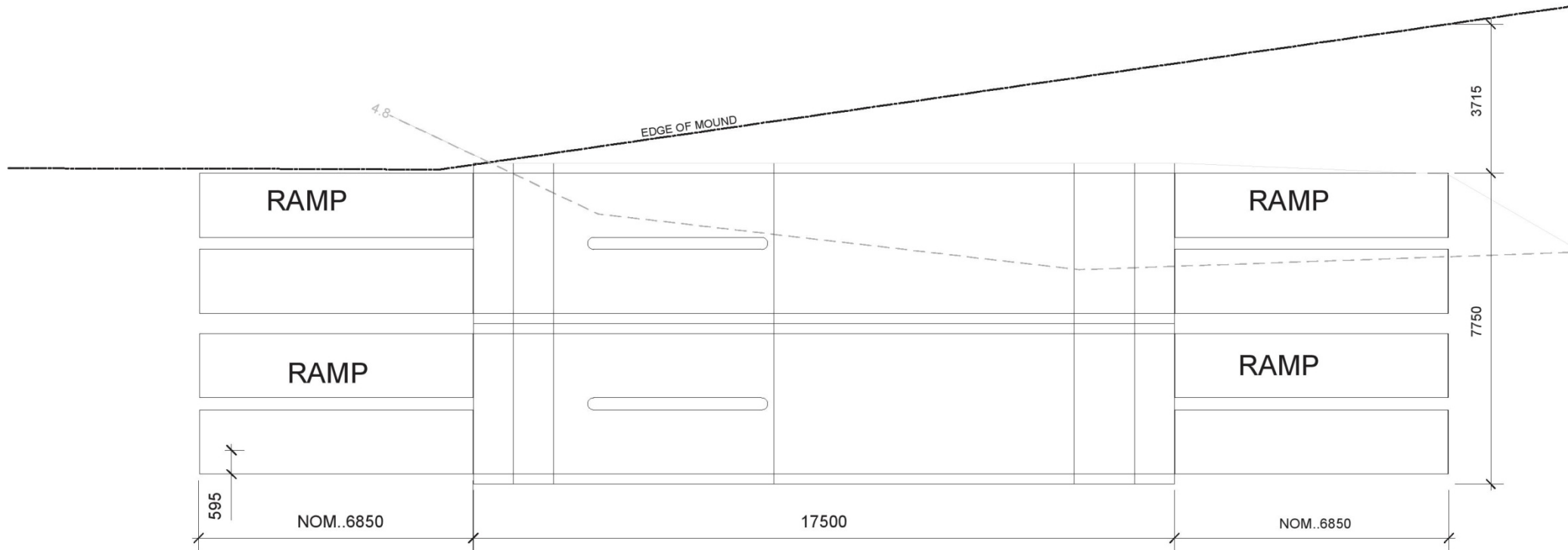


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 CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS
 NOMINATED ARCHITECT: ERICA MARSHALL MCCLELLAND - NO. 8513

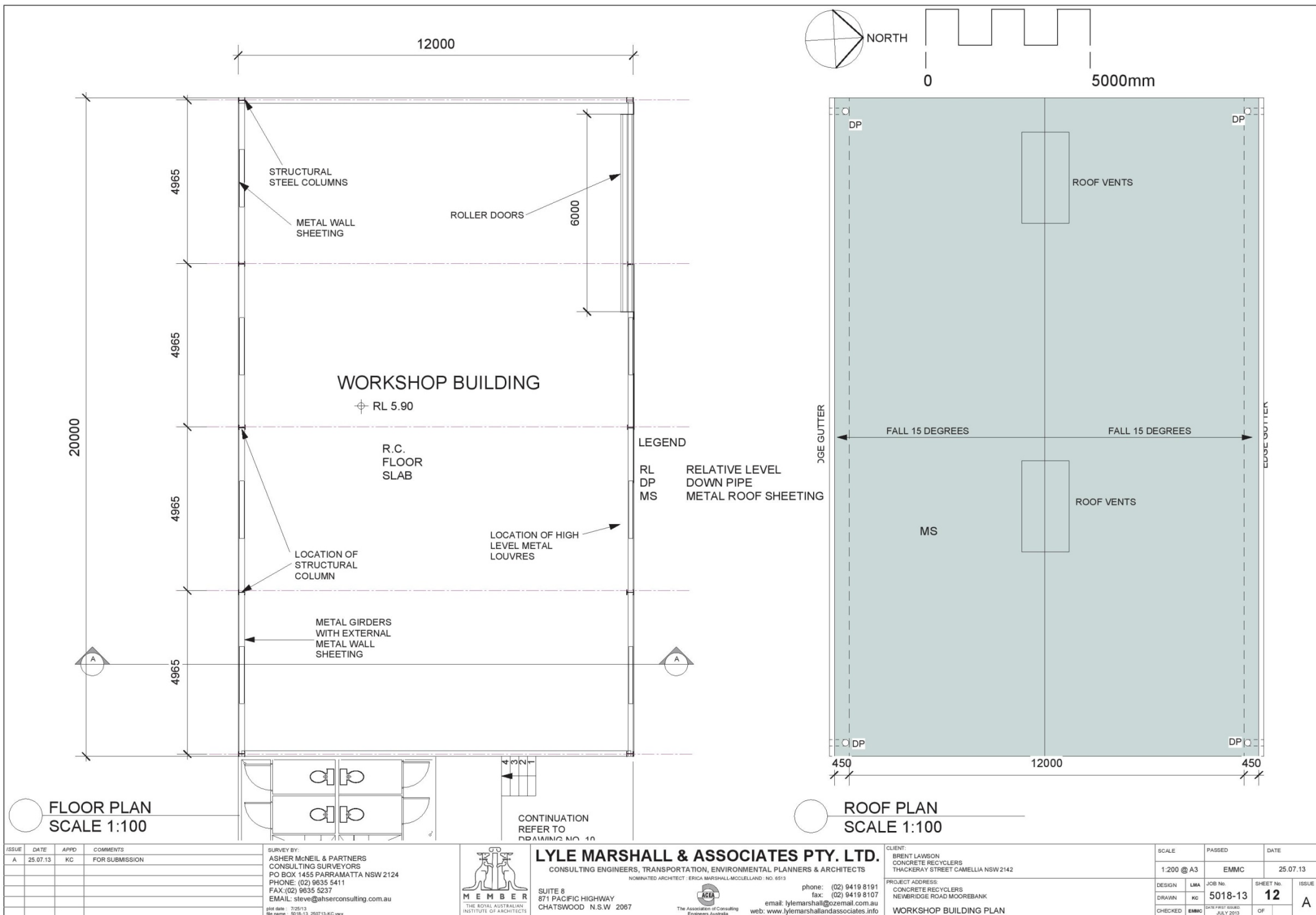
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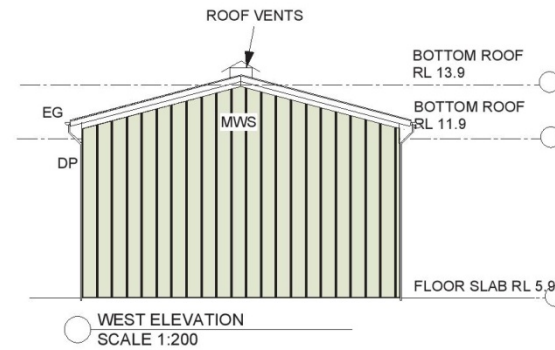
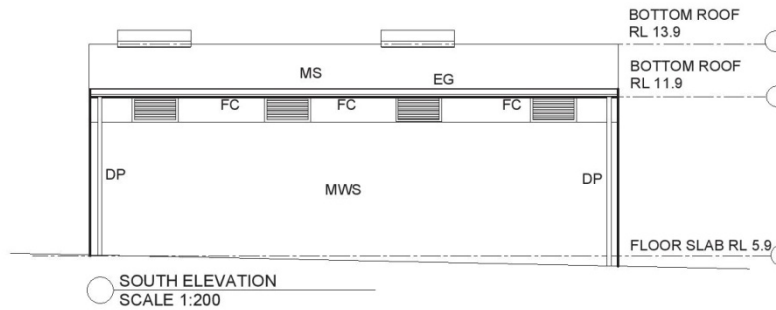
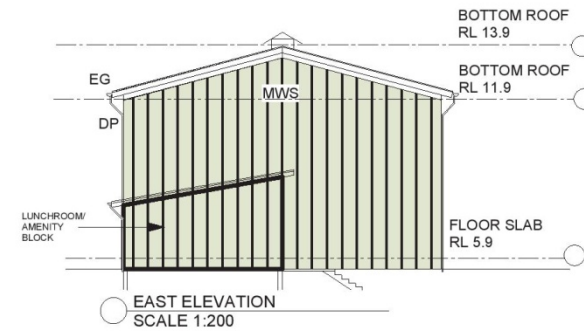
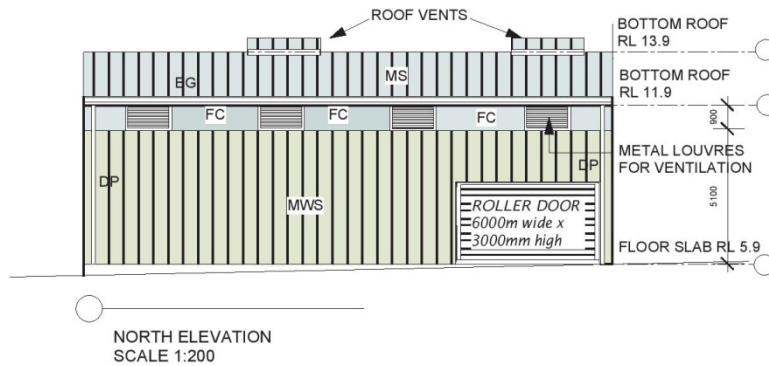


ISSUE	DATE	APPD	COMMENTS	SURVEY BY: ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@asherconsulting.com.au		LYLE MARSHALL & ASSOCIATES PTY. LTD. CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND, NO. 6513 SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W. 2067  The Association of Consulting Engineers (Australia) phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@zomail.com.au web: www.lylemarshallandassociates.info	CLIENT: BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142	SCALE 1:100 @ A3	PASSED EMMC	DATE 25.07.13		
A	25.07.13	KC	FOR SUBMISSION					PROJECT ADDRESS: CONCRETE RECYCLERS STAFFORD ROAD MOOREBANK	DESIGN LMA	JOB NO 5018-13	SHEET NO 10	ISSUE A
								DRAWN JK CHECKED EMMC	DATE FIRST REVISION JULY 2013	OF		
							STAFF LUNCH ROOM / AMENITIES SECTION AND ELEVATIONS					



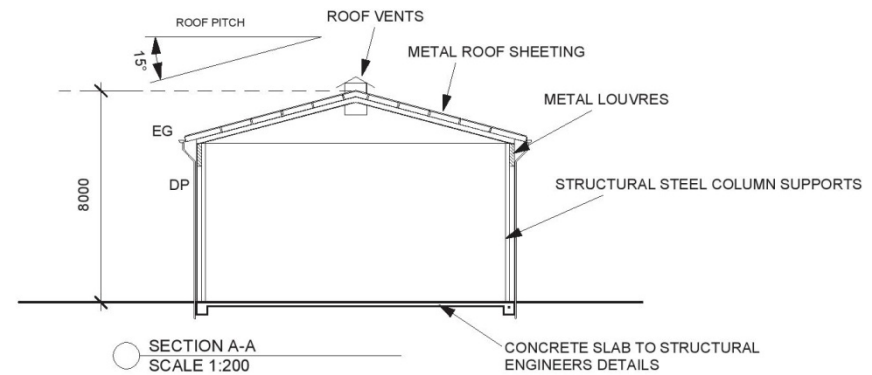
ISSUE	DATE	APPD	COMMENTS	SURVEY BY: ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 Email: stene@asherconsulting.com.au	 M E M B E R THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS	LYLE MARSHALL & ASSOCIATES PTY. LTD. CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICK MARSHALL-MCCLELLAND: NO. 8313 SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W 2087 phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@aemmail.com.au web: www.lylemarshallandassociates.info	 The Association of Consulting Engineers Australia web: www.aria.org.au	CIENT: BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142 PROJECT ADDRESS: CONCRETE RECYCLERS NEWBRIDGE ROAD MOOREBANK WHEEL WASH STRUCTURE PLANS AND SECTIONS	SCALE	PASSED	DATE	DESIGN	LMA	JOB No.	sheet	ISSUE
A	25.07.13	KC	FOR SUBMISSION	1:100 @ A3					EMMC	25.07.13	DRAWN					
				plot date: 7/25/13 file name: 5018-13_250713_KC.dwg								CHECKED	EMMC FIRST ISSUED JULY 2013	CF		





LEGEND

- MWS Metal wall sheet (Colorbond Wilderness Green)
 MS Metal Roof Sheeting - (Colourbond Bushland)
 EG Edge Gutter
 DP Down Pipe

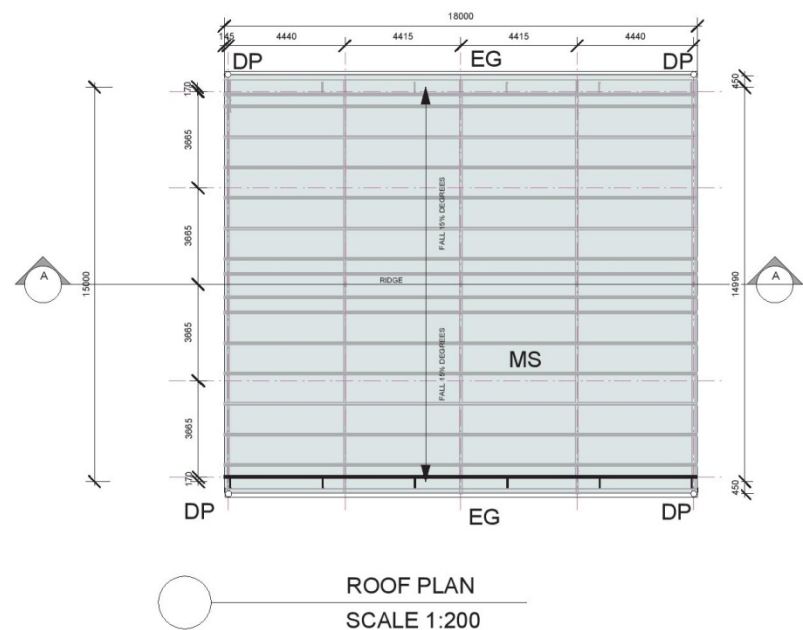
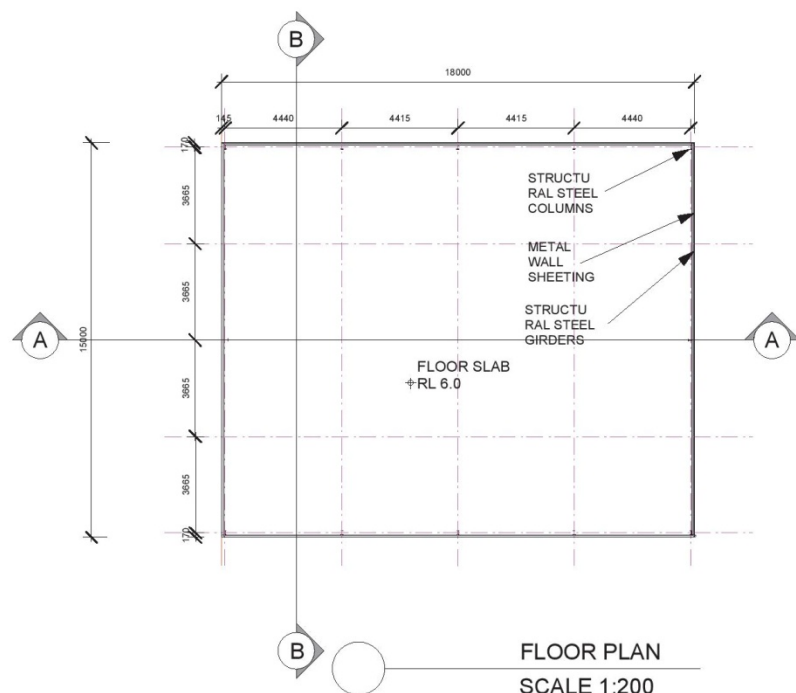
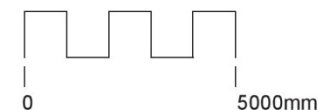


ISSUE	DATE	APPD	COMMENTS	SURVEY BY:	CLIENT:	SCALE	PASSED	DATE
A	25.07.13	KC	FOR SUBMISSION	ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@ahserconsulting.com.au p14 date: 7/25/13 file name: 5018-13_250713-KC.vsw	BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142 PROJECT ADDRESS: CONCRETE RECYCLERS NEWMIDGE ROAD MOOREBANK WORKSHOP BUILDING SECTIONS AND ELEVATIONS	1:200 @ A3	EMMC	25.07.13
DESIGN	LMA	JOB No.	SHEET No.	ISSUE				
DRAWN	KC	5018-13	13	A				
CHECKED	EMMC	DATE FIRST ISSUED JULY 2013	OF					



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 CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS
 NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND, NO. 8913
 SUITE 8
 871 PACIFIC HIGHWAY
 CHATSWOOD N.S.W. 2067
 phone: (02) 9419 8191
 fax: (02) 9419 8107
 email: lylemarshall@ozemail.com.au
 web: www.lylemarshallandassociates.info





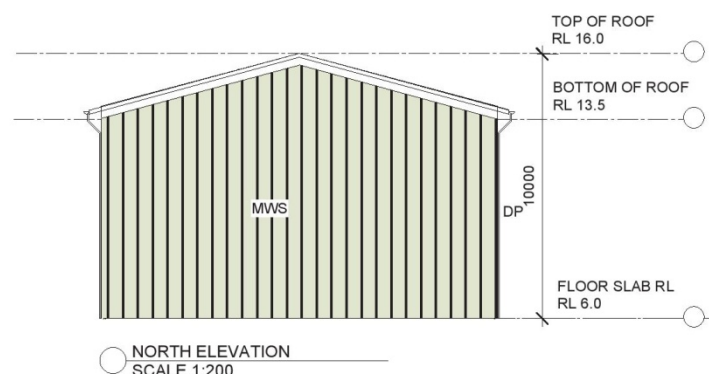
NOTE

DETAIL BY OTHERS
OVERALL DIMENSIONS AND STRUCTURE
SHOWN BE DETAILED FURTHER BY MANUFACTURERS

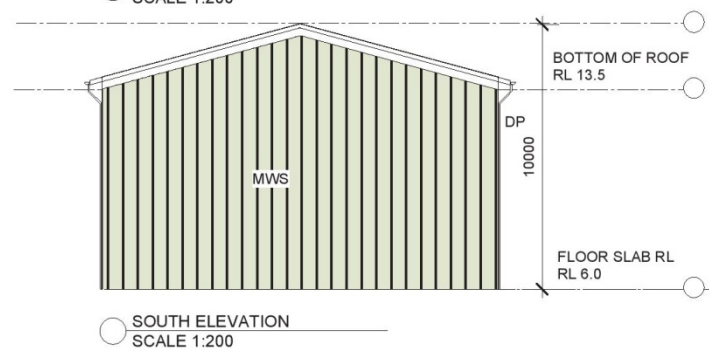
LEGEND

- MWS Metal wall sheet (Colorbond Wilderness Green)
MS Metal Roof Sheetting - (Colourbond Bushland)
EG Edge Gutter
DP Down Pipe

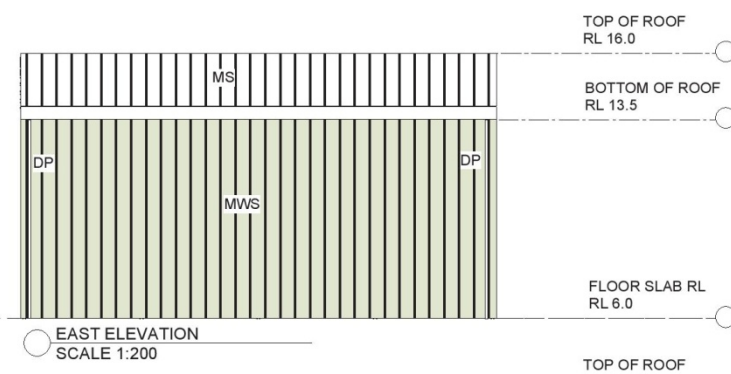
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				SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W 2067	PROJECT ADDRESS: CONCRETE RECYCLERS NEWBRIDGE ROAD MOOREBANK	DESIGN LMA	JOB No.	SHEET No.
				MEMBER THE AUSTRALIAN INSTITUTE OF ARCHITECTS	phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@ozemail.com.au web: www.lylemarshallandassociates.info	DRAWN KC	5018-13	14
				lot date: 7/25/13 file name: 5018-13_250713-KC.vex	THE ASSOCIATION OF CONSULTING ENGINEERS AUSTRALIA	CHECKED EMMC	DATE FIRST ISSUED JULY 2013	OF
								A



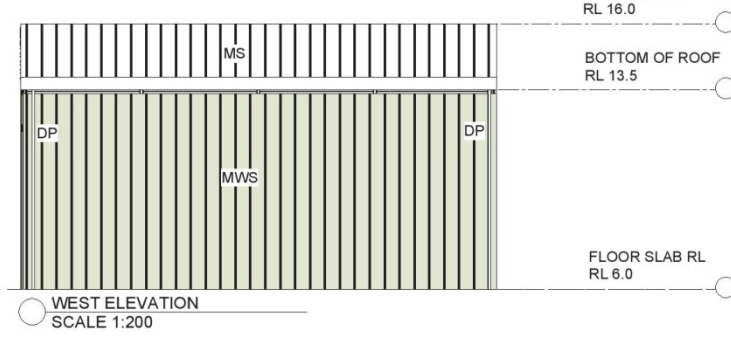
NORTH ELEVATION
SCALE 1:200



SOUTH ELEVATION
SCALE 1:200



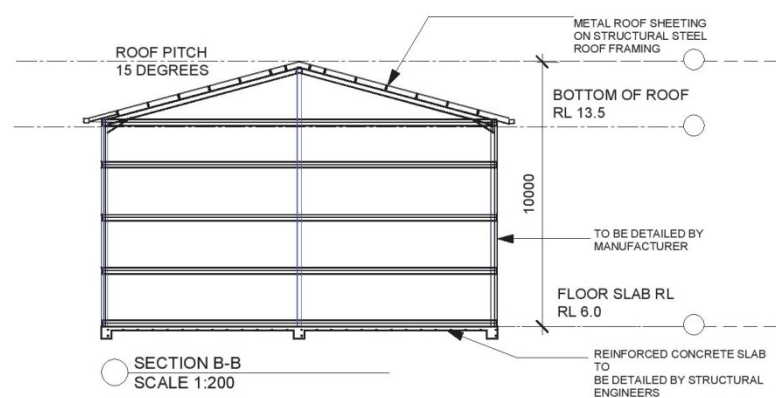
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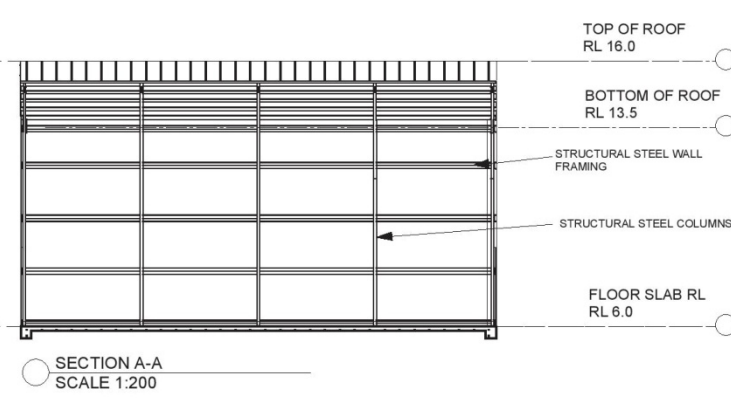
WEST ELEVATION
SCALE 1:200

LEGEND

- MWS Metal wall sheet
(Colorbond Wilderness Green)
- MS Metal Roof Sheetting
(Colourbond Bushland)
- EG Edge Gutter
- DP Down Pipe

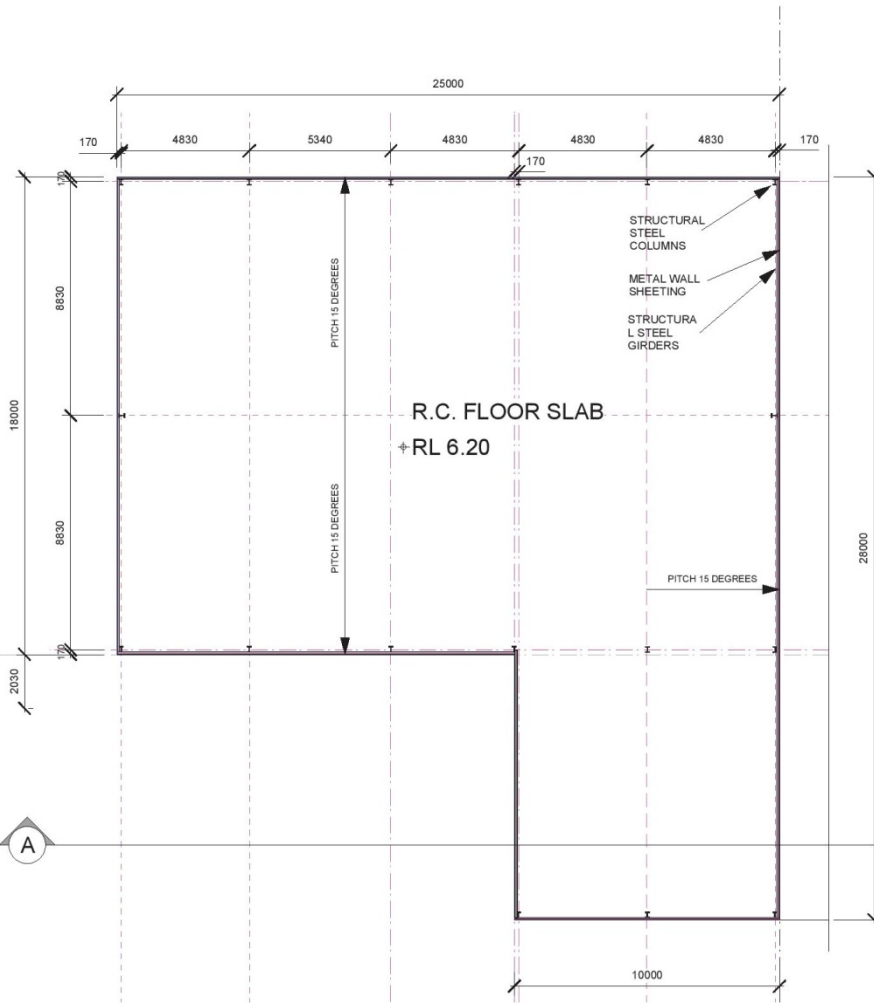
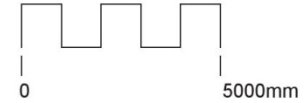


SECTION B-B
SCALE 1:200



SECTION A-A
SCALE 1:200

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 MEMBER THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS		LYLE MARSHALL & ASSOCIATES PTY. LTD. CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND: NO. 6513																																																																						
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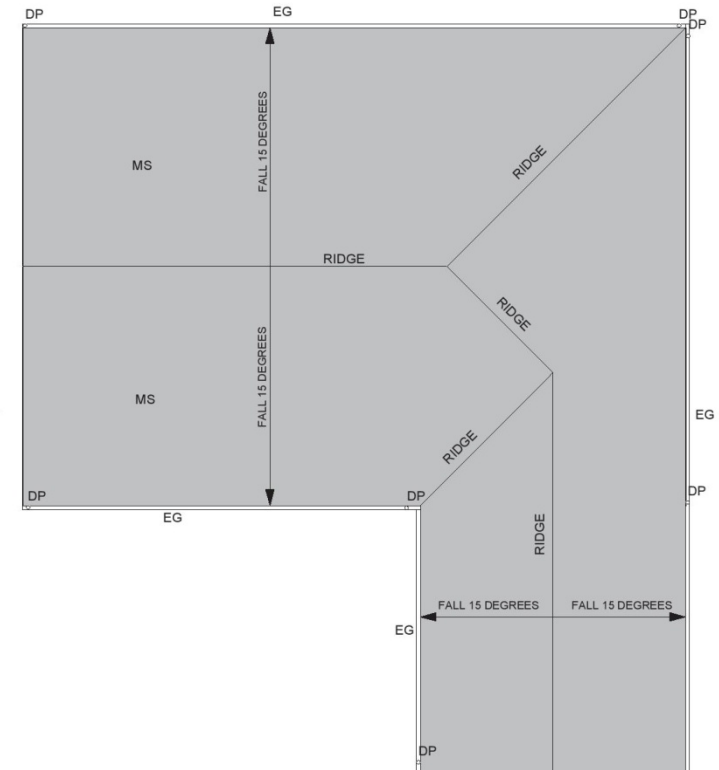
LEGEND

MWS Metal wall sheet
(Colorbond Wilderness Green)

MS Metal Roof Sheetting -
(Colourbond Bushland)

EG Edge Gutter

DP Down Pipe



FLOOR PLAN
SCALE 1:200

DETAIL BY OTHERS
OVERALL DIMENSIONS AND STRUCTURE SHOWN
TO BE DETAILED WITH THE EQUIPMENT BY MANUFACTURER

ROOF PLAN
SCALE 1:200

ISSUE	DATE	APPD	COMMENTS
A	25.07.13	KC	FOR SUBMISSION

SURVEY BY:
ASHER McNEIL & PARTNERS
CONSULTING SURVEYORS
PO BOX 1455 PARRAMATTA NSW 2124
PHONE: (02) 9635 5411
FAX: (02) 9635 5237
EMAIL: steve@ahserconsulting.com.au

plot date: 7/25/13
file name: 5018-13_250713.kic.wcx



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CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS
NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND: NO. 6513

SUITE 8
871 PACIFIC HIGHWAY
CHATSWOOD N.S.W 2067



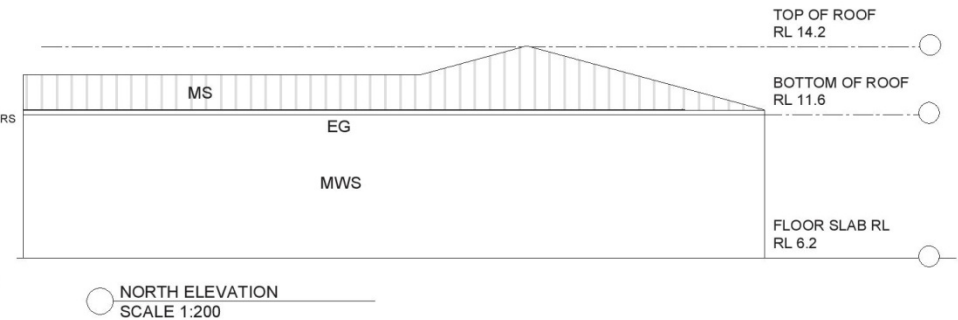
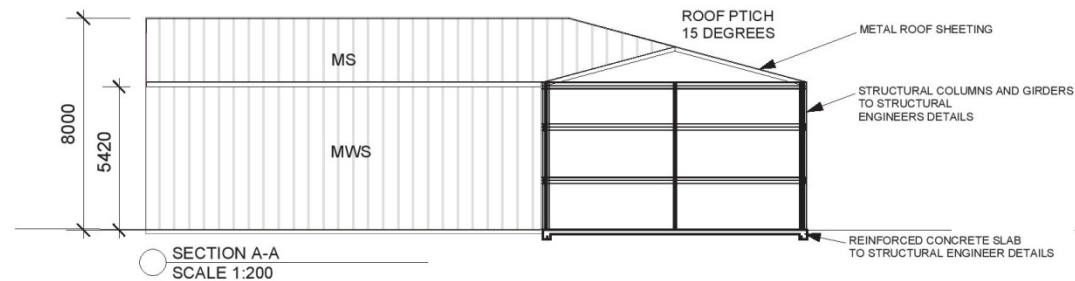
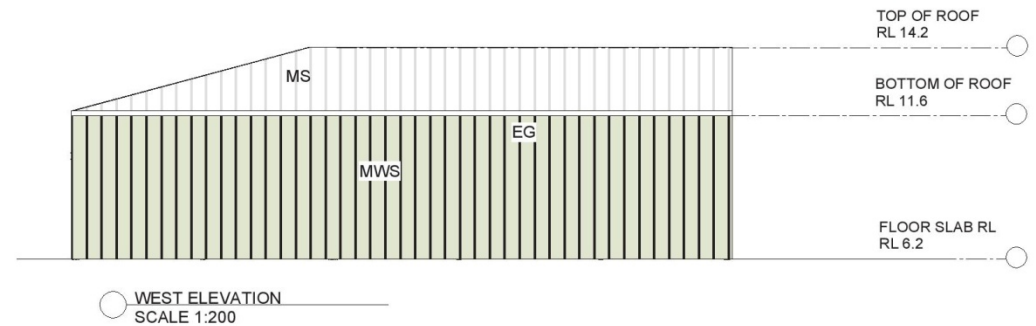
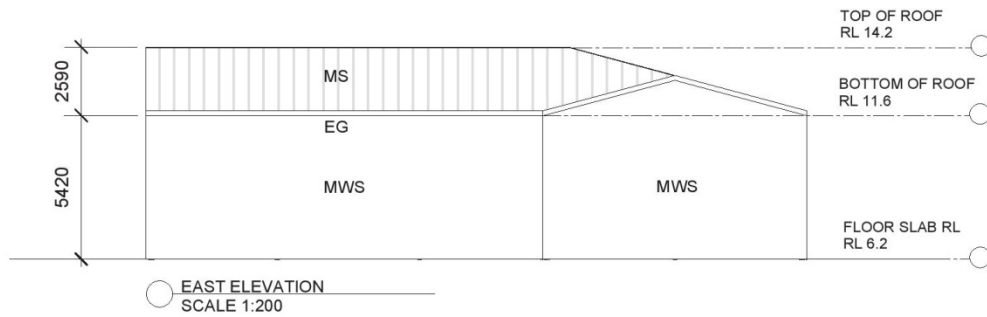
phone: (02) 9419 8191
fax: (02) 9419 8107
email: lylemarshall@ozemail.com.au
web: www.lylemarshallandassociates.info

CLIENT:
BRENT LAWSON
CONCRETE RECYCLERS
THACKERAY STREET CAMELLIA NSW 2142

PROJECT ADDRESS:
CONCRETE RECYCLERS
NEWBRIDGE ROAD MOOREBANK

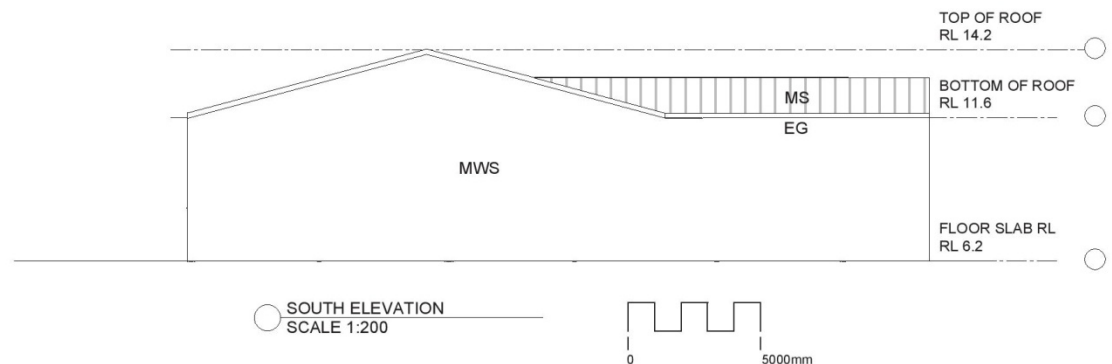
SECONDARY CRUSHER SHED AND SCREEN SHED NO1 PLAN

SCALE	PASSED	DATE
1:200 @ A3	EMMC	25.07.13
DESIGN	LMA	JOB No.
DRAWN	KC	5018-13
CHECKED	EMMC	DATE FIRST ISSUED
		JULY 2013
		OF
		ISSUE
		16
		A



LEGEND

- MWS Metal wall sheet (Colorbond Wilderness Green)
- MS Metal Roof Sheet - (Colourbond Bushland)
- EG Edge Gutter
- DP Down Pipe



ISSUE	DATE	APPD	COMMENTS
A	25.07.13	KC	FOR SUBMISSION

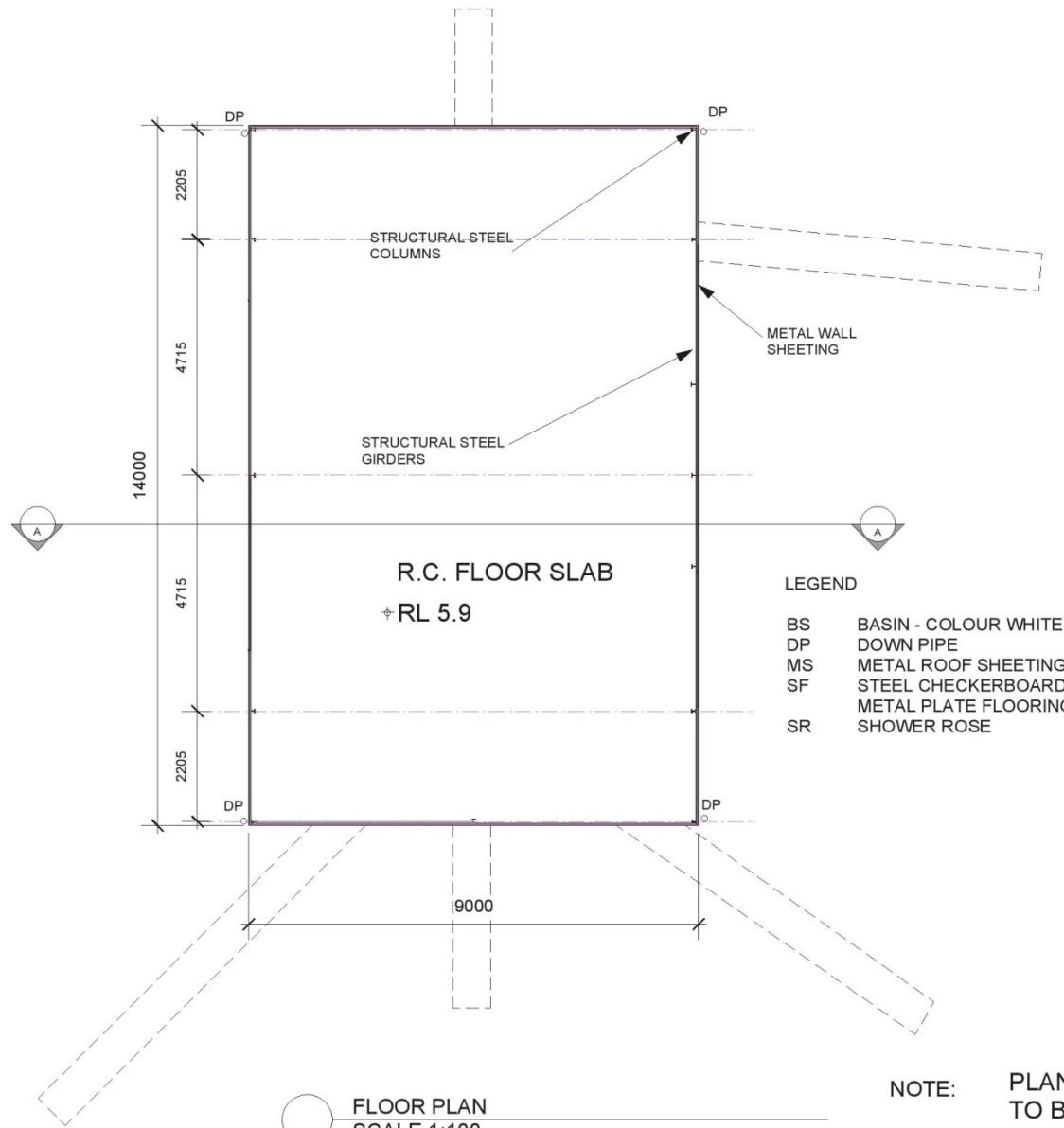
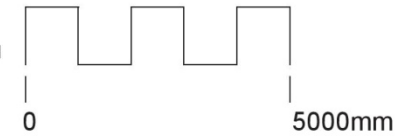
SURVEY BY:
ASHER McNEIL & PARTNERS
CONSULTING SURVEYORS
PO BOX 1455 PARRAMATTA NSW 2124
PHONE: (02) 9635 5411
FAX: (02) 9635 5237
EMAIL: steve@ahserconsulting.com.au
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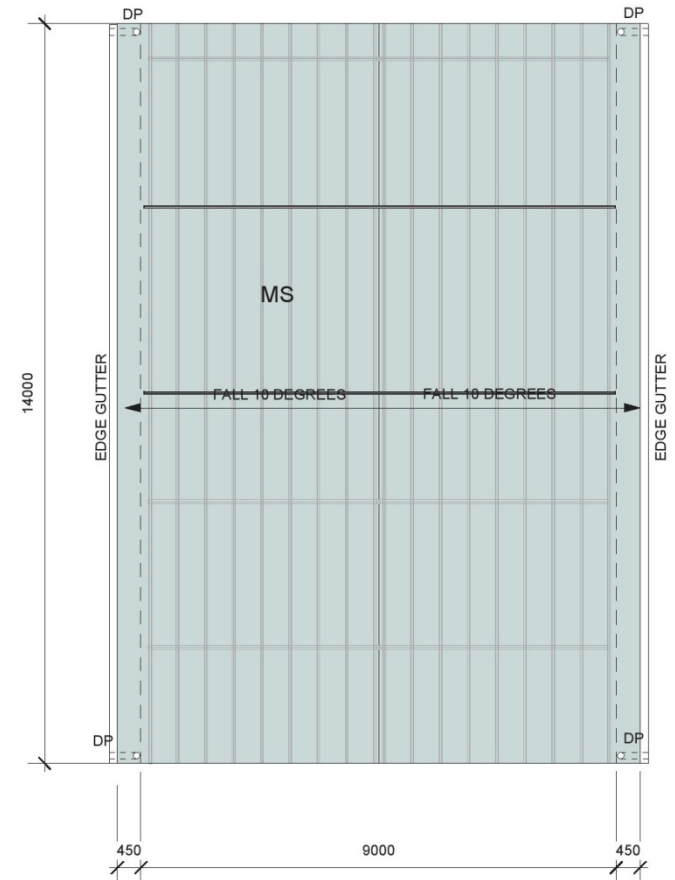
LYLE MARSHALL & ASSOCIATES PTY. LTD.
CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS
NOMINATED ARCHITECT: ERICA MARSHALL/MCCLELLAND NO. 6513
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CHATSWOOD N.S.W 2067

CLIENT:
BRENT LAWSON
CONCRETE RECYCLERS
THACKERAY STREET CAMELLIA NSW 2142
PROJECT ADDRESS:
CONCRETE RECYCLERS
NEWMIDGEE ROAD MOOREBANK
SECONDARY CRUSHER SHED AND SCREEN SHED NO1 SECTION
AND ELEVATIONS

SCALE		PASSED		DATE		
1:200 @ A3		EMMC		25.07.13		
DESIGN	LMA	JOB No.		SHEET No.		ISSUE
DRAWN	KC	5018-13		17		
CHECKED	EMMC	DATE FIRST ISSUED JULY 2013		OF		



FLOOR PLAN
SCALE 1:100



ROOF PLAN
SCALE 1:100

NOTE: PLAN ONLY SHOWING OVERALL DIMENSIONS, MATERIALS TO BE DETAILED BY OTHERS

ISSUE	DATE	APPD	COMMENTS	SURVEY BY:	CLIENT:	SCALE	PASSED	DATE
A	1/10/13	By		ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@ahserconsulting.com.au	BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142	1:100 @ A3	EMMC	25.07.13
					PROJECT ADDRESS: CONCRETE RECYCLERS NEWBRIDGE ROAD MOOREBANK	DESIGN LMA	JOB No.	SHEET No.
						DRAWN JK	5018-13	18
					SCREEN SHED NO 2 PLAN	CHECKED EMMC	DATE FIRST ISSUED JULY 2013	OF
								ISSUE A



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CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS
NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND, NO. 8913
SUITE 8
871 PACIFIC HIGHWAY
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phone: (02) 9419 8191
fax: (02) 9419 8107
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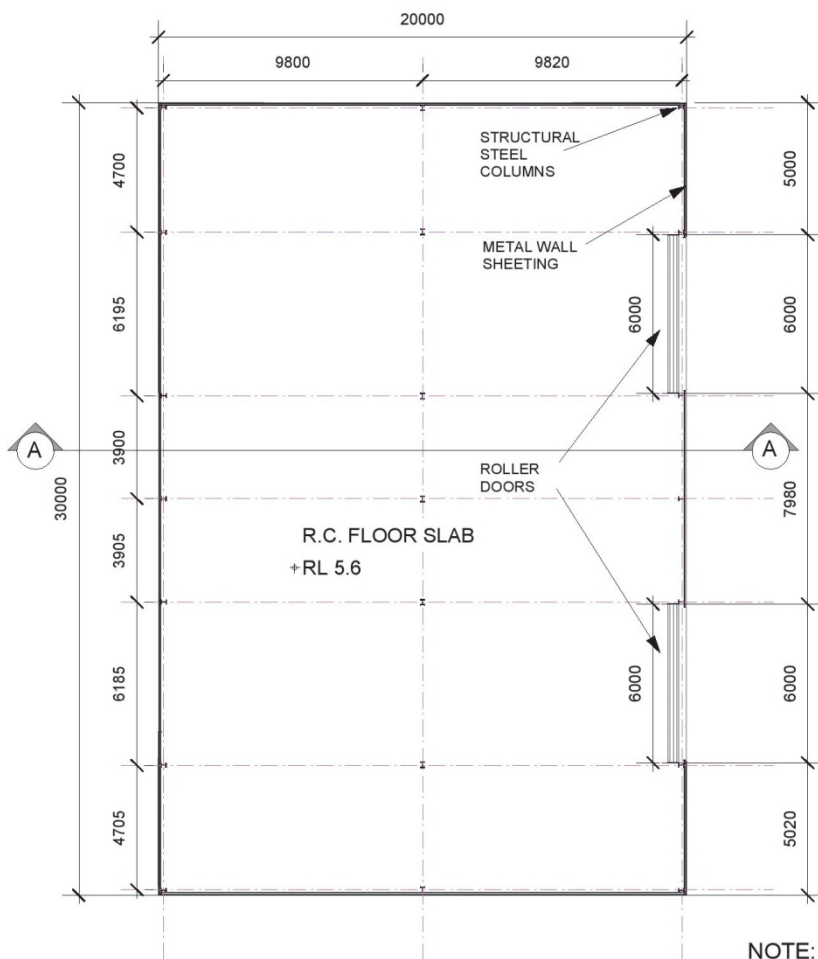




SECTION A-A
SCALE 1:200

REINFORCED CONCRETE SLAB TO STRUCTURAL ENGINEERS DETAILS

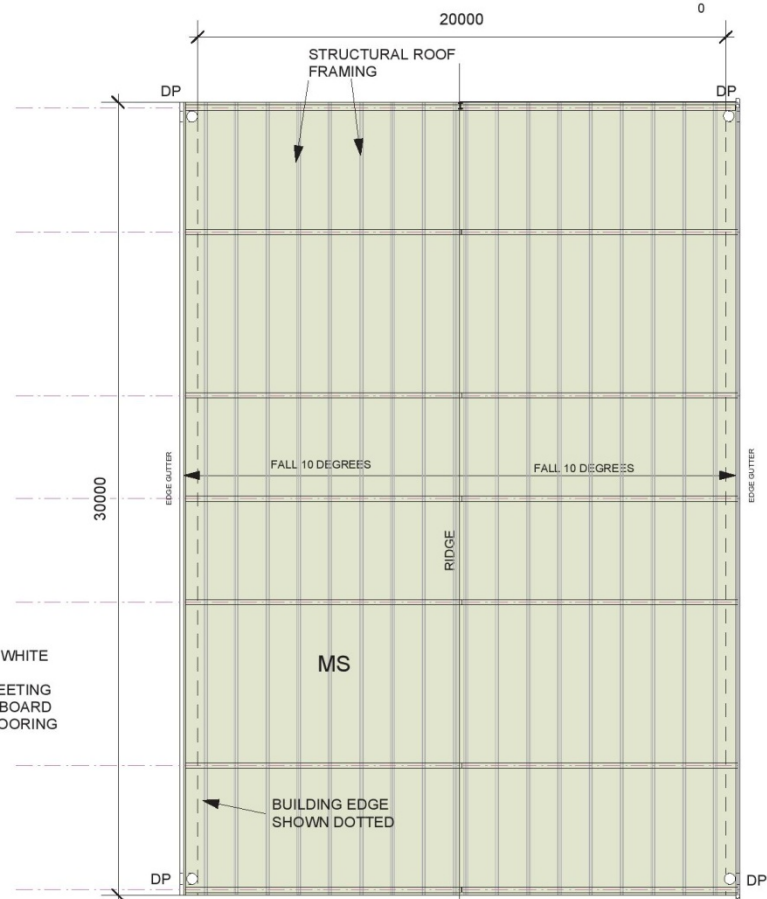
ISSUE	DATE	APPD	COMMENTS	SURVEY BY: ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@asherconsulting.com.au	 MEMBER THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS	LYLE MARSHALL & ASSOCIATES PTY. LTD. CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND NO. 6513 SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W 2067 phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@ozemail.com.au web: www.lylemarshallandassociates.info	CLIENT: BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142 PROJECT ADDRESS: CONCRETE RECYCLERS NEWBERIDGE ROAD MOOREBANK SCREEN SHED NO 2 SECTION AND ELEVATIONS	SCALE	PASSED	DATE
A	25.07.13	KC	FOR SUBMISSION	DESIGN DRAWN CHECKED				LMA KC KC	JOB No: 5018-13	SHEET No. 19



PLAN ONLY
DETAIL BY OTHERS

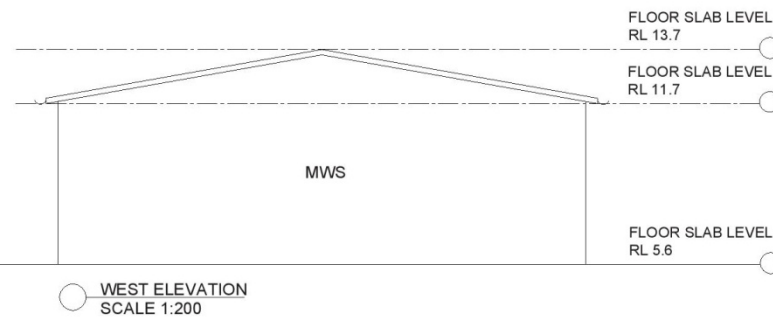
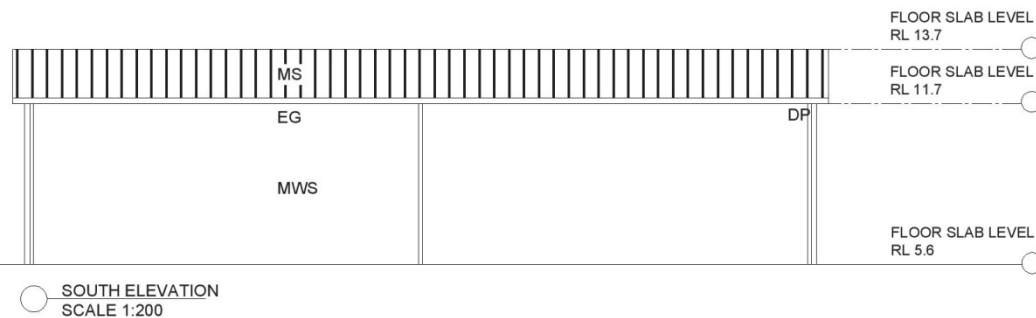
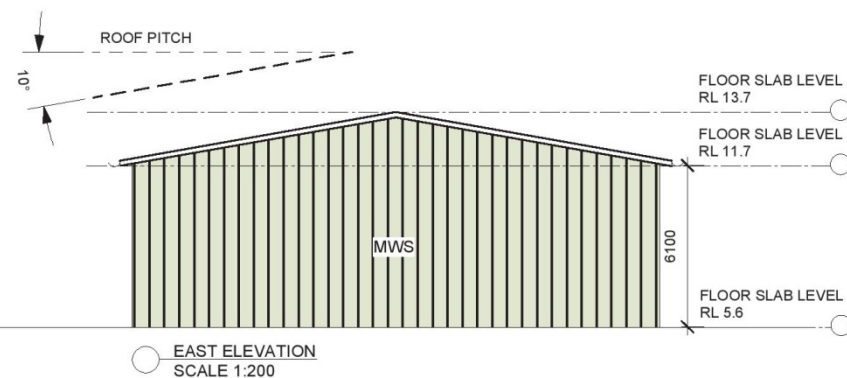
FLOOR PLAN
SCALE 1:200

NOTE:
PLAN ONLY
DETAIL TO BE DONE BY MANUFACTURER

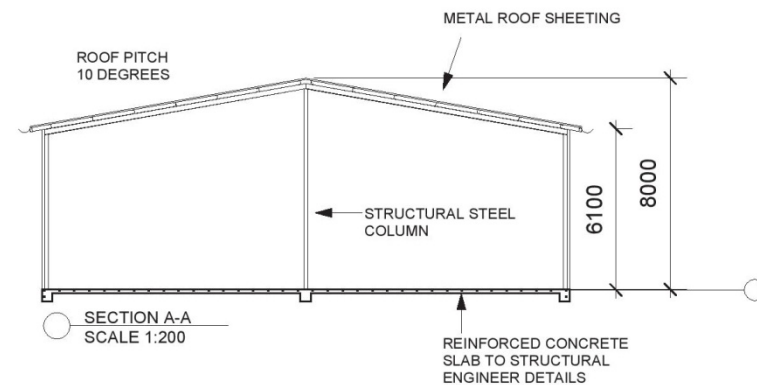


ROOF PLAN
SCALE 1:200

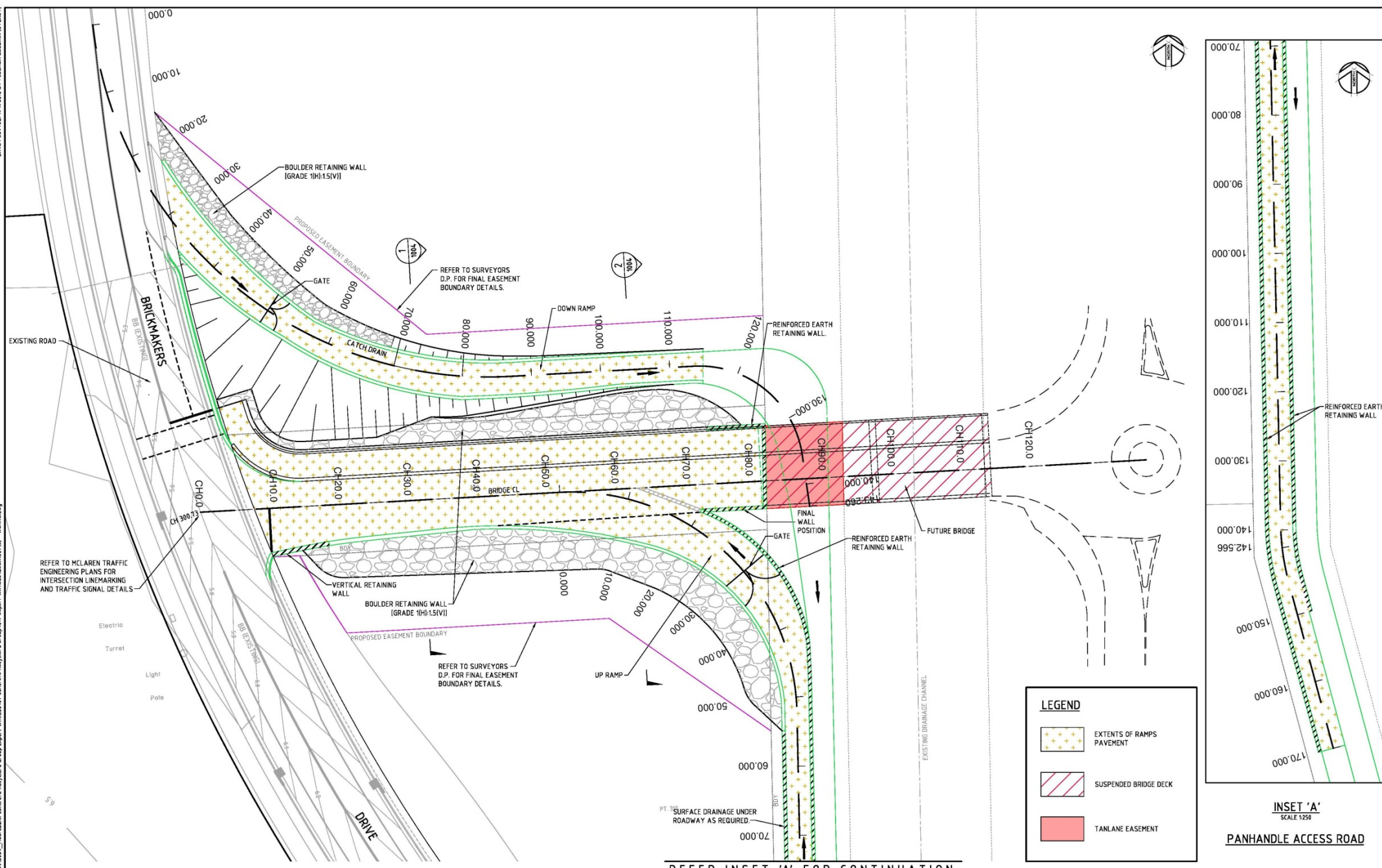
ISSUE	DATE	APPD	COMMENTS	SURVEY BY:	LYLE MARSHALL & ASSOCIATES PTY. LTD.				CLIENT:	SCALE	PASSED	DATE	
A	25.07.13	KC	FOR SUBMISSION	ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@ahserconsulting.com.au	CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS				BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142	1:200 @ A3	EMMC	25.07.13	
				NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND NO. 8913				PROJECT ADDRESS: CONCRETE RECYCLERS NEWMIDGE ROAD MOOREBANK	DESIGN	LMA	JOB NO.	SHEET NO.	ISSUE
				SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W 2067				phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@ozemail.com.au web: www.lylemarshallandassociates.info	DRAWN	KC	5018-13	20	A
				MEMBER THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS				CHECKED	EMMC	DATE FIRST ISSUED JULY 2013	OF		
				The Association of Consulting Engineers Australia				WORKSHOP SHED PLAN					



MWS	Metal wall sheet (Colorbond Wilderness Green)
MS	Metal Roof Sheetting - (Colourbond Bushland)
EG	Edge Gutter
DP	Down Pipe



ISSUE	DATE	APPD	COMMENTS	SURVEY BY:	 MEMBER THE ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS	LYLE MARSHALL & ASSOCIATES PTY. LTD. CONSULTING ENGINEERS, TRANSPORTATION, ENVIRONMENTAL PLANNERS & ARCHITECTS NOMINATED ARCHITECT: ERICA MARSHALL-MCCLELLAND, NO. 6513 SUITE 8 871 PACIFIC HIGHWAY CHATSWOOD N.S.W. 2067 phone: (02) 9419 8191 fax: (02) 9419 8107 email: lylemarshall@zemail.com.au web: www.lylemarshallandassociates.info	CLIENT: BRENT LAWSON CONCRETE RECYCLERS THACKERAY STREET CAMELLIA NSW 2142 PROJECT ADDRESS: CONCRETE RECYCLERS NEWBERG ROAD MOOREBANK WORKSHOP SHED ELEVATIONS AND SECTIONS	SCALE	PASSED	DATE		
A	25.07.13	KC	FOR SUBMISSION	ASHER McNEIL & PARTNERS CONSULTING SURVEYORS PO BOX 1455 PARRAMATTA NSW 2124 PHONE: (02) 9635 5411 FAX: (02) 9635 5237 EMAIL: steve@asherconsulting.com.au				1:200 @ A3	EMMC	25.07.13		
				plot date: 7/25/13 plot name: 5018-13, 5017-13, KC, new				DESIGN	LMA	JOB NO	SHEET NO	ISSUE
								DRAWN	KC	5018-13	21	A
								CHECKED	EMMC	DRAWN FIRST REVIEW JULY 2013	OF	



L	15.08.13	RE-ISSUED FOR INFORMATION	J.B	D.K
K	05.08.13	RE-ISSUED FOR INFORMATION	J.C	D.K
J	05.08.13	RE-ISSUED FOR INFORMATION	J.C	D.K
H	31.07.13	RE-ISSUED FOR INFORMATION	J.C	D.K
G	30.07.13	RE-ISSUED FOR INFORMATION	J.C	D.K
F	29.07.13	RE-ISSUED FOR INFORMATION	D.B	J.C
E	26.07.13	RE-ISSUED FOR INFORMATION	J.C	D.K
D	16.07.13	RE-ISSUED FOR INFORMATION	D.B	D.K
C	28.06.13	RE-ISSUED FOR INFORMATION	D.B	D.K
Rev	Date	Description	Drawn	Appr



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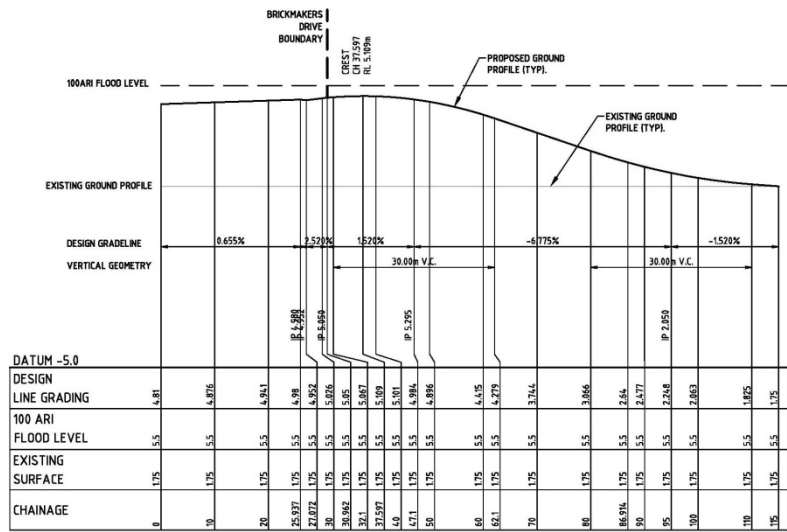


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Checked J.C	Date JUN'13
Designed J.C	Date JUN'13
Verified D.K	Date JUN'13
Approved D.K	Date JUN'13

Client **CONCRETE RECYCLERS GROUP**

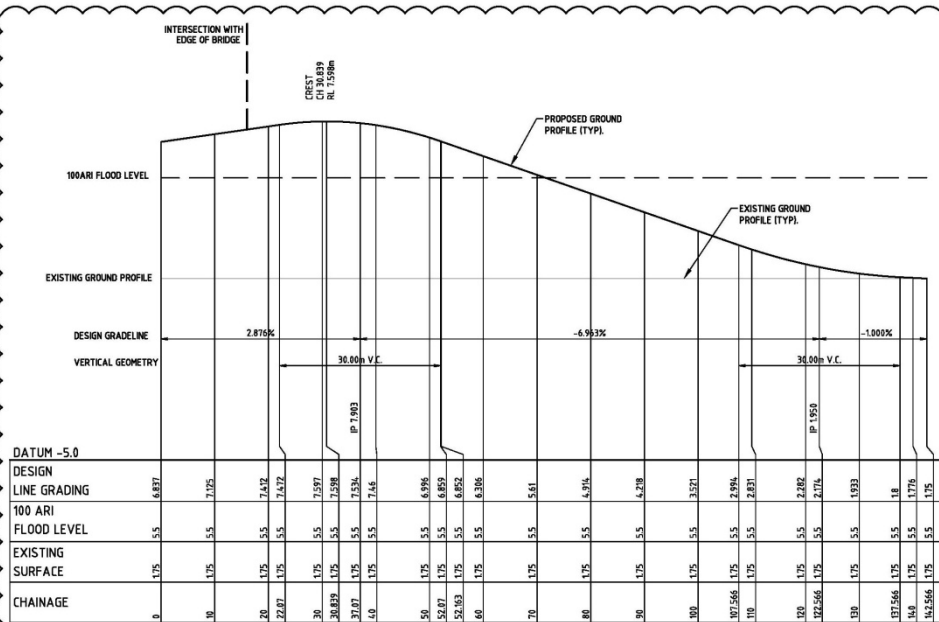
SITE PLAN

FOR INFORMATION			
Date	JUN'13	Datum	AHD
Scale	1:250	Size	A1
Drawing Number	SK1001		Revision
			L



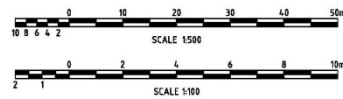
LONGITUDINAL SECTION DOWN RAMP

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION UP RAMP

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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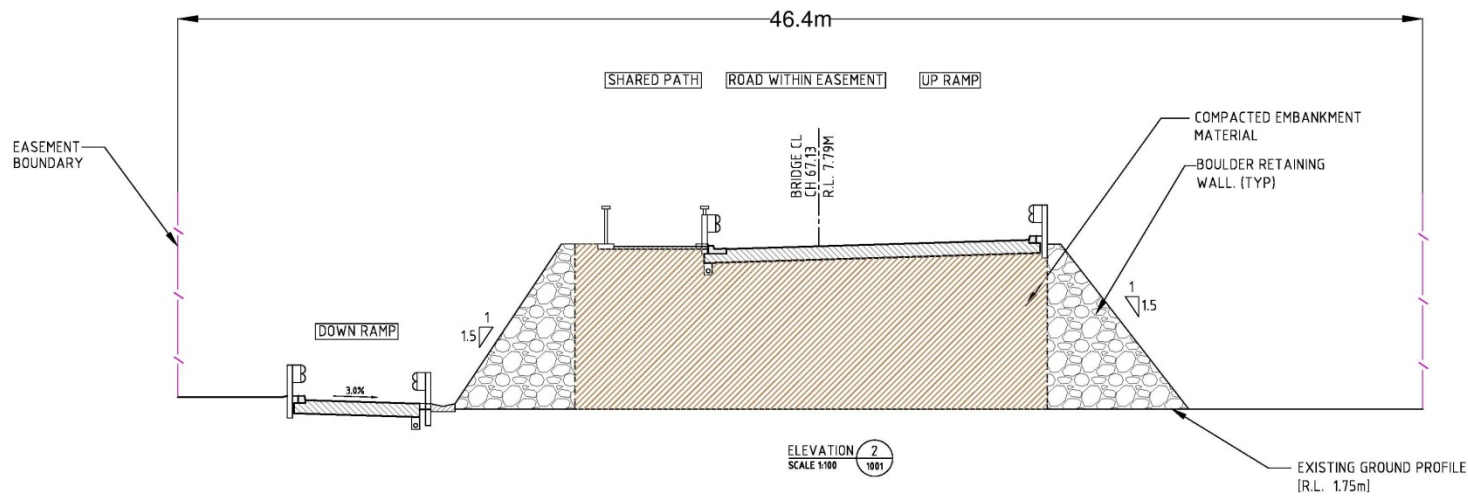
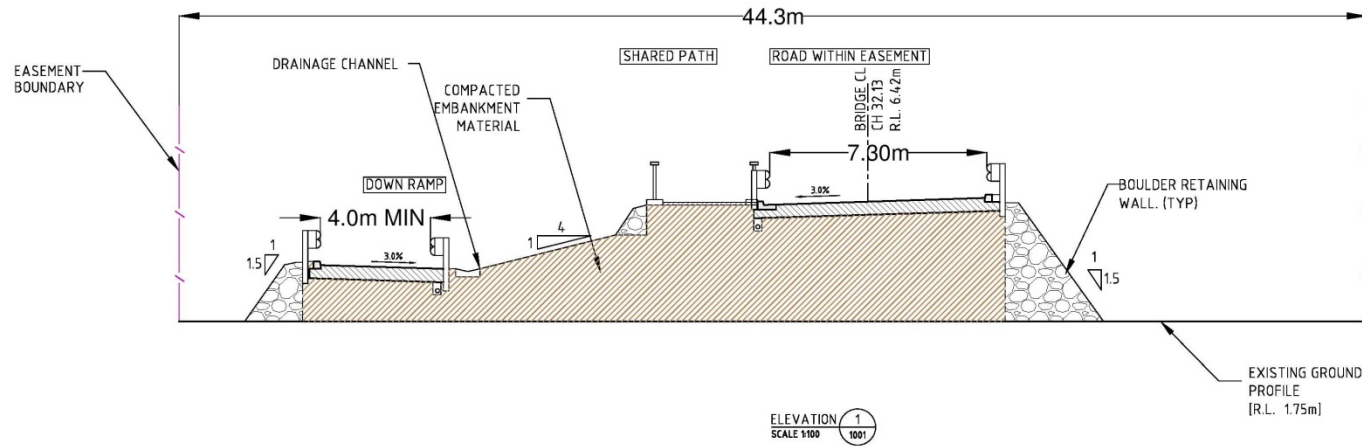


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Checked J.C.	Date JUN'13
Designed J.C.	Date JUN'13
Verified D.K.	Date JUN'13
Approved D.K.	Date JUN'13

CONCRETE RECYCLERS GROUP

LONGITUDINAL SECTIONS

FOR INFORMATION			
Date JUN'13	Datum AHD	Scale AS SHOWN	Sheet A1
Drawing Number SK1003			Revision E



Rev	Date	Description	Drawn	Appr.
C	15.08.13	ISSUED FOR INFORMATION	J.B.	D.K.
C	05.08.13	ISSUED FOR INFORMATION	J.C.	D.K.
C	31.07.13	ISSUED FOR INFORMATION	J.C.	J.C.
B	30.07.13	ISSUED FOR INFORMATION	J.C.	J.C.
A	16.07.13	ISSUED FOR INFORMATION	J.C.	J.C.



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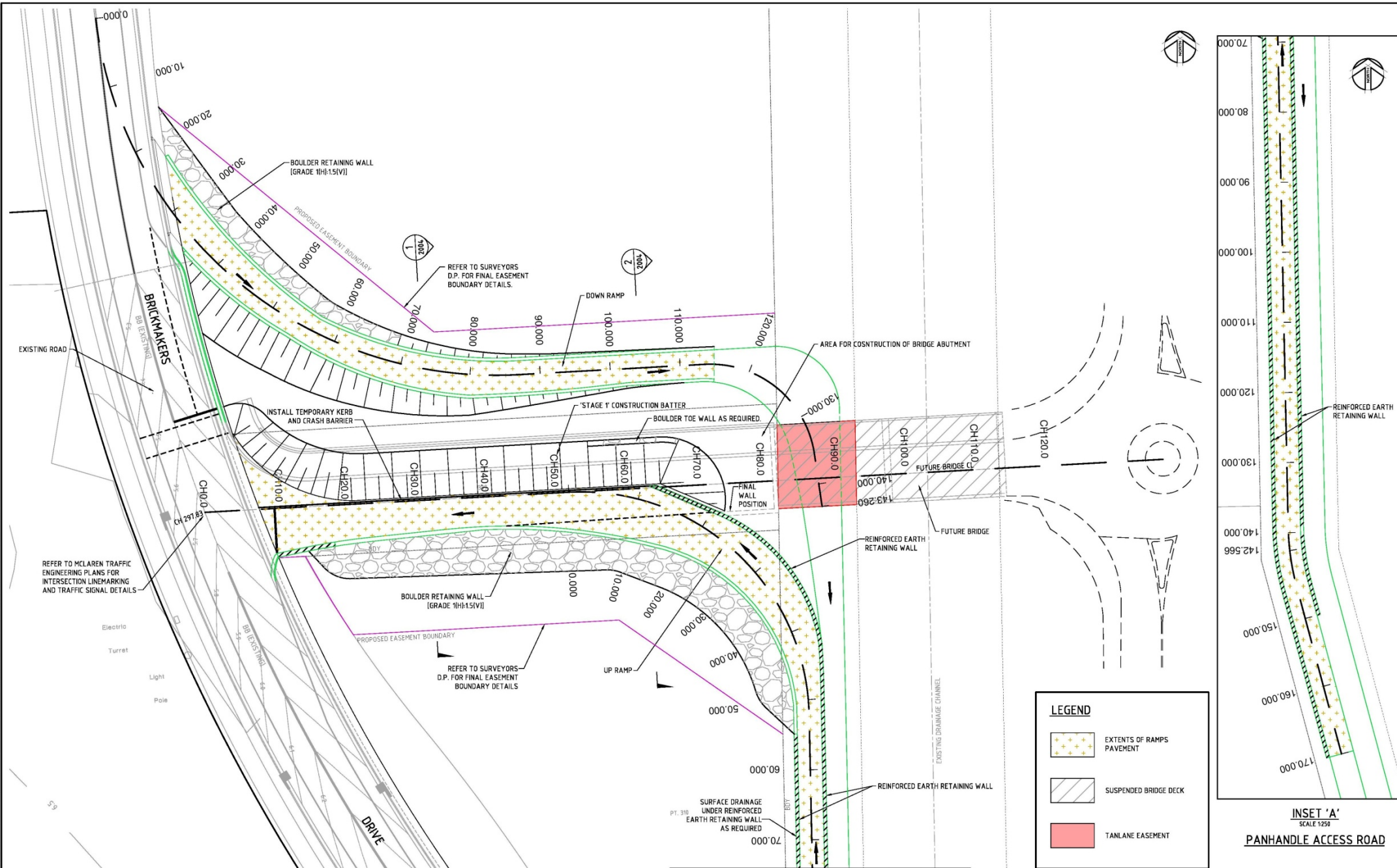
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Designed J.C.	Date JULY'13
Verified D.K.	Date JULY'13
Approved D.K.	Date JULY'13

Client **CONCRETE RECYCLERS GROUP**

CROSS-SECTIONS

FOR INFORMATION				
Date JULY'13	Datum AHD	Scale 1:100	Size A1	Revision E
Drawing Number SK1004				

ON A1 ORIGINAL



D	15.08.13	ISSUED FOR INFORMATION	J.B	D.K.	
C	05.08.13	ISSUED FOR INFORMATION	J.C	D.K.	
B	05.08.13	ISSUED FOR INFORMATION	J.C	D.K.	
A	02.08.13	ISSUED FOR INFORMATION	J.C	D.K.	
Rev	Date	Description	Drawn	Appr.	



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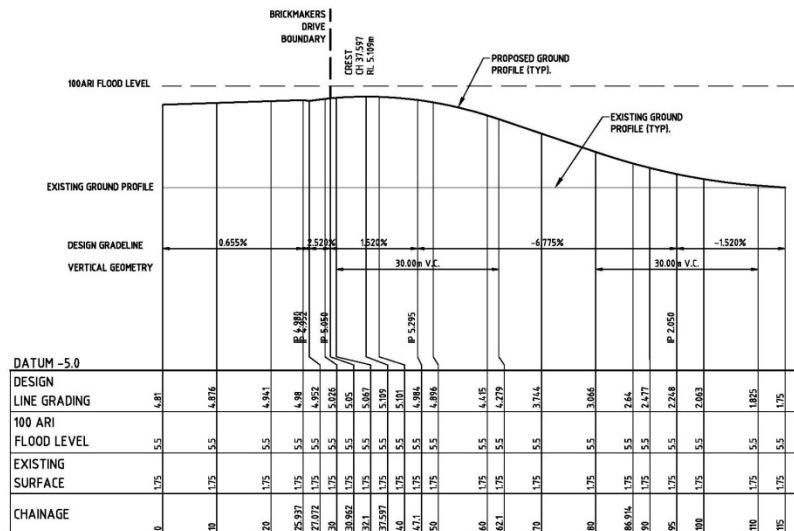
ABN: 95 001 145 035
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Designed J.C	Date AUG'13
Verified D.K	Date AUG'13
Approved D.K	Date AUG'13

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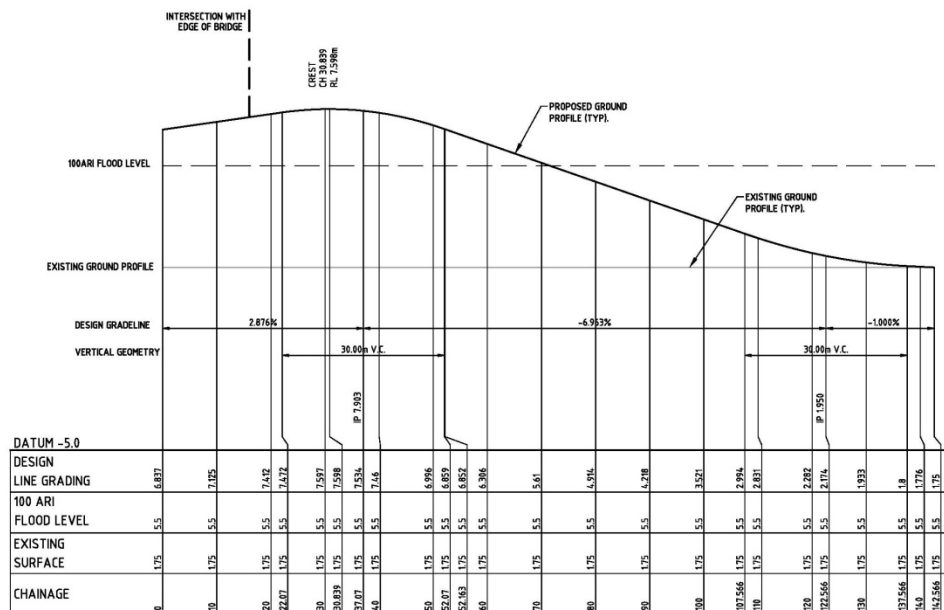
'STAGE 1' CONSTRUCTION PLAN

FOR INFORMATION			
Date	Date	Scale	Size
AUG'13	AHD	1:250	A1
Drawing Number			Revision
SK2001			D



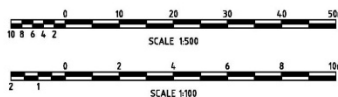
LONGITUDINAL SECTION DOWN RAMP

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION UP RAMP

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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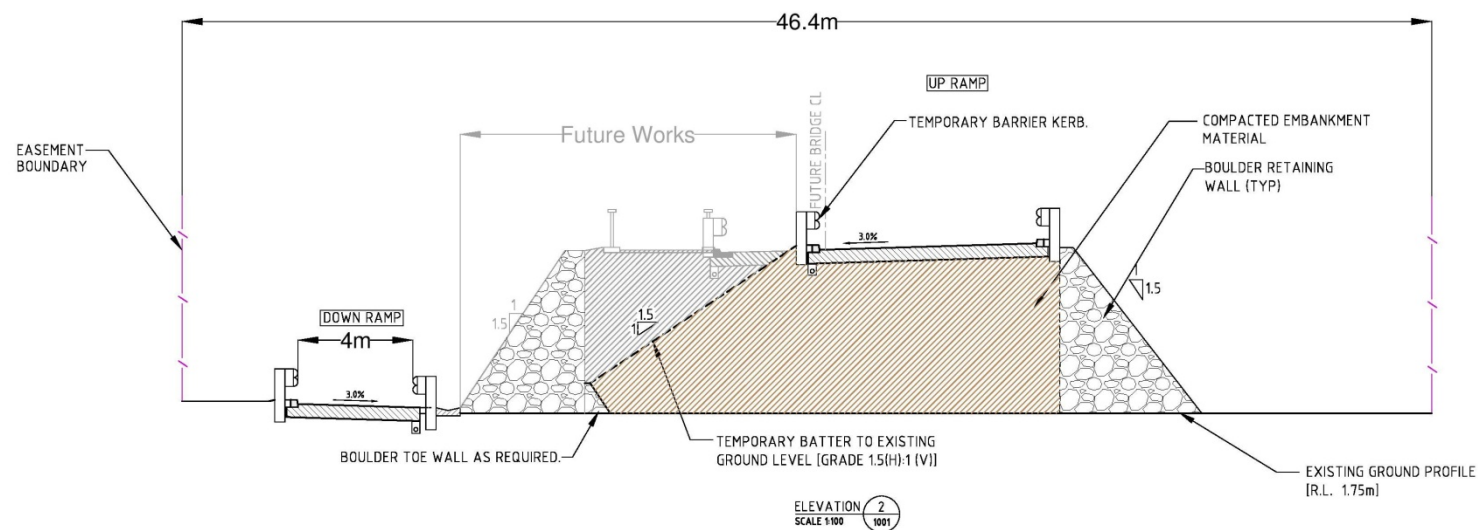
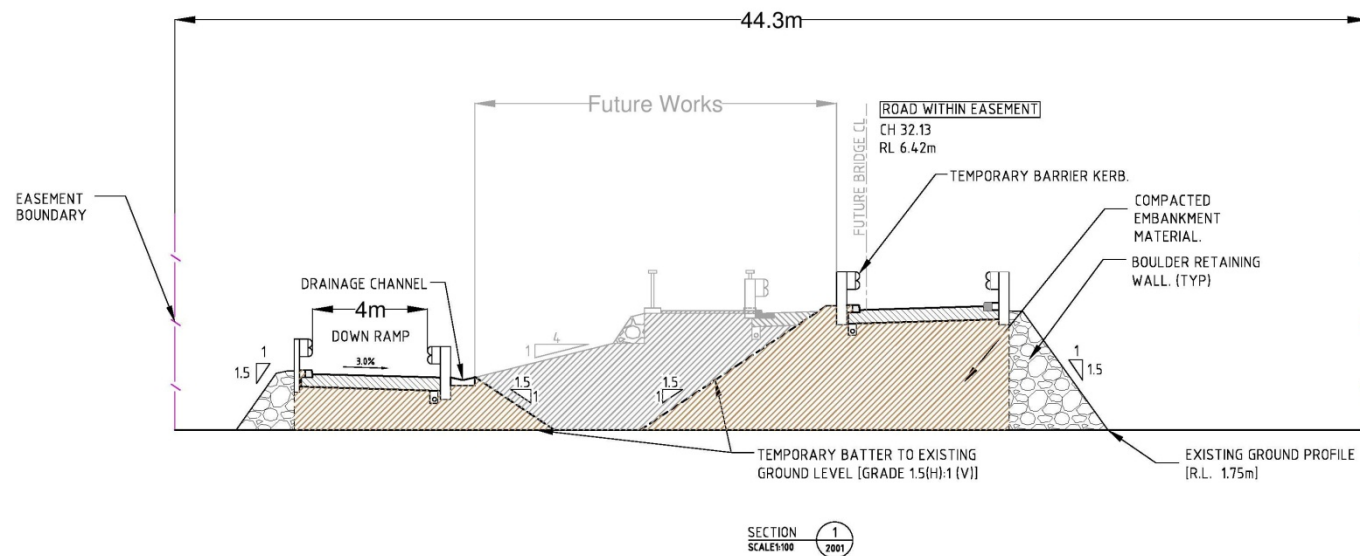
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Designed J.C	Date AUG'13
Verified D.K	Date AUG'13
Approved D.K	Date AUG'13

Client **CONCRETE RECYCLERS GROUP**

'STAGE 1' LONGITUDINAL SECTIONS

FOR INFORMATION			
Date	Datum	Scale	Size
AUG'13	AHD	AS SHOWN	A1
Drawing Number			Revision
SK2003			A

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Designed J.C	Date AUG'13
Verified D.K	Date AUG'13
Approved D.K	Date AUG'13

13 Client CONCRETE RECYCLERS GROUP

'STAGE 1' CROSS-SECTIONS

FOR INFORMATION			
Date	Datum	Scale	Size
AUG'13	AHD	1:100	A1
Drawing Number			Revision
SK2004			C

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150mm ON A1 ORIGINAL

Part 4

STATEMENT OF COMMITMENTS

4.1 Introduction

The Director-General's Requirements stipulate that the Environmental Assessment must contain:

A draft Statement of Commitments, outlining environmental management, mitigation and monitoring measures.

Following is a Statement of Commitments which describes the management measures which Concrete Recyclers is prepared to implement with regard to the environmental management of the Site, and the mitigation and monitoring of potential environmental impacts associated with the operation of the proposed Materials Recycling Facility. The Statement of Commitments differs from that which was included as Part 13 of the Environmental Assessment as exhibited in that it accommodates the amended proposal for access to the Materials Recycling Facility as described in **Part 3** of this report.

Concrete Recyclers is committed to the following objectives:

- To provide a long term, fully licensed Materials Recycling Facility capable of recycling waste from the building and construction industry.
- To protect the health of site workers and the general public, and ensure business viability by compliance with relevant legislation, standards and regulating authorities.
- To ensure site operations do not significantly impact on potential environmental receptors and comply with the following environmental legislation:
 - the *Environmental Planning and Assessment Act 1979*, and
 - the *Protection of the Environment Operations Act 1997*.
- To ensure that new technologies are implemented in relation to resource recovery and environmental management of the Materials Recycling Facility throughout its life.
- To encourage and facilitate community participation in the recycling of building and construction waste.
- To protect the surrounding environment through the implementation and management of environmental controls and contingency measures.

- To operate the Materials Recycling Facility in a manner which is sympathetic to the amenity of the area in which it is located.

4.2 General Commitments

1. The Project will be undertaken in accordance with the Project Application and the Environmental Assessment prepared by Nexus Environmental Planning Pty Ltd, including accompanying appendices, as amended as detailed in the Preferred Project Report.

2. The Project will be undertaken in accordance with the following drawings:

Lyle Marshall and Associates Pty Ltd

Drawings 5018-13-01 to 21, Issue A, Dated 15 July 2013.

Cardno Series 2000 Stage 1 Construction Plans

Drawing SK 2001, Revision D

Drawing SK 2003, Revision A

Drawing SK 2004, Revision C

3. The Project will be conducted and operated in accordance with this Statement of Commitments.
4. Concrete Recyclers will develop a program of informing the NSW Department of Planning and Infrastructure, the NSW Office of Environment and Heritage, and Liverpool City Council of construction staging and operation of the Materials Recycling Facility throughout the development process.
5. Concrete Recyclers will obtain the necessary approvals and permits to undertake both construction and operation of the Materials Recycling Facility.
6. A copy of the approved and certified plans, specifications and documents, including conditions of approval will be kept on the Site at all times.
7. All building works will be carried out in accordance with the Building Code of Australia.

4.3 Environmental Management Plan

An Environmental Management Plan (**EMP**) will be developed for both the construction and operation stages of the Materials Recycling Facility.

The key principles of the EMP will be to provide:

- An environmental management tool for the construction and operation of the proposed Materials Recycling Facility.
- A means of identifying baselines for monitoring the impact of the Materials Recycling Facility.
- An outline of reporting requirements associated with the Materials Recycling Facility.
- The processes for interaction between Concrete Recyclers and the relevant government authorities.
- The means by which compliance with the Director-General's requirements and the requirements of the Environmental Protection Licence will be achieved.

The EMP will contain sub-sections which will provide details of the management of the Materials Recycling Facility to minimise potential impacts discussed in the Environmental Assessment and Preferred Project Report. Sub-sections of the EMP will include:

- Induction and Training.
- An Erosion and Sediment Control Plan which will cover both establishment and operation of the Materials Recycling Facility.
- A Construction and Operational Noise Management Plan which will detail measures to minimise acoustic impact during establishment and operation.
- An Air Quality Management Plan which will detail measures to be employed to minimise air quality impacts during both establishment and operation.
- A Waste Management Plan.
- A Stormwater Management Plan.
- A Traffic Management Plan.
- A Bushfire Control Plan
- A Complaints Management Plan.
- Hazard Reduction.

Following are drafts of the relevant sections of the EMP, refinement of which will be undertaken following receipt of consent for the proposed development.

TITLE	EMP 1 - INDUCTION AND TRAINING
Consent/Licence Ref.	Insert relevant Conditions of Consent. Insert relevant POEO Licence Conditions.
Objectives	To ensure all persons working on the site are aware of their environmental obligations, site environmental issues and control measures, as well as roles and responsibilities.
Procedures	<ol style="list-style-type: none"> 1. Environmental induction for all employees and contractors before starting work. Induction to cover the following issues: <ol style="list-style-type: none"> (i) requirements of the EMP; (ii) specific environmental issues on the site and control measures; (iii) roles and responsibilities for environmental management, and (iv) environmental incident procedures. 2. Retraining sessions within one month of changes to relevant sections of the EMP. 3. Retraining sessions within one month to persons identified by <i>Complaints Register</i> as not conforming to procedures. 4. All truck drivers entering the site for the first time to be provided with the <i>Site Induction for Drivers</i> form.
Monitoring	Status of inductions to be checked monthly.
Reporting	Record of all inductions and retraining, including name and date provided, to be retained on site.
Responsible Person	Environmental Officer responsible for ensuring all persons working on the site are properly inducted and retraining provided as required.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 2 - EROSION AND SEDIMENT CONTROL
Consent/Licence Ref.	Insert relevant Conditions of Consent. Insert relevant POEO Licence Conditions.
Objectives	To minimise and manage erosion and sedimentation on the site and ensure that sediment laden runoff is not discharged from the site.
Procedures	<ol style="list-style-type: none"> 1. Construct all internal access tracks as per the Report of Evans and Peck as contained in Attachment 14 of the Preferred Project report and relevant EPA requirements. 2. Divert runoff to sediment basins, sediment traps and catch ponds as a primary means of sediment trapping before water is discharged to main tank storage. 3. Inspect drainage and sediment controls monthly and conduct maintenance as required to ensure effectiveness. Where erosion is observed to be occurring, implement rehabilitation/stabilisation measures. 4. Implement and maintain silt fence. Fence to be maintained along boundary.
Monitoring	Monthly inspection of all drainage and sediment controls on site, including water storage, pumps and pipes.
Reporting	As required by Conditions/Licence.
Responsible Person	Environmental Officer or person(s) authorised by Environmental Officer.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 3 - NOISE MANAGEMENT PLAN
Consent/Licence Ref.	<p>Insert relevant Conditions of Consent.</p> <p>Insert relevant POEO Licence Conditions.</p>
Objectives	<p>To ensure that construction and operation noise complies with EPA regulations.</p> <p>To minimise impact of noise on surrounding residents.</p> <p>To ensure employees are not subject to noise levels above those specified in the OH&S legislation.</p>
Procedures	<ol style="list-style-type: none"> 1. Consult with the industrial facility on the northern boundary in relation to higher noise levels near the boundary during the establishment phase of the development. 2. Minimise works near the northern boundary of the site wherever feasible. 3. Standard construction work hours will be as follows: <ul style="list-style-type: none"> • Monday to Friday 7:00am to 6:00pm. • Saturday 8:00am to 1:00pm. • No work on Sundays or public holiday. 4. Ensure mobile plant used is fitted with residential grade silencers. 5. At all times, but particularly prior to 7:00am, trucks should be loaded in a quiet manner by placing rather than dropping material into trucks. 6. Plant based at the site must incorporate "quacker" style reversing alarms. 7. Trucks with traditional "beep beep" alarms will not reverse on the site prior to 7:00am. 8. The approved bund on the northern boundary of the operational area of the site will be raised from the approved 4 metres to 8 metres. 9. The approved bund on the western boundary of the operational area of the site will be raised from the approved 4 metres to 6 metres. 10. When Georges Fair is occupied in release areas 5D and 5E, background noise levels will be measured and appropriate intrusiveness limits established for weekdays and Saturdays. 11. If lower background noise levels (and lower intrusive criteria) at Georges Fair indicate noise attenuation measures such as noise barriers are needed to control noise from truck movements then, subject to EPA requirements, noise barriers will be constructed at appropriate locations along the access road and ramps. 12. Moorebank Recyclers will manage its hourly / daily truck movements to remain within the intrusiveness criteria at all residences until any barriers deemed necessary by the EPA are built.
Monitoring	As required by Conditions/Licence.

Reporting	As required by Conditions/Licence.
Responsible Person	Environmental Officer to organise monitoring and reporting as required. Truck drivers responsible for required actions to reduce noise.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 4 - AIR QUALITY MANAGEMENT PLAN
Consent/Licence Ref.	<p>Insert relevant Conditions of Consent.</p> <p>Insert relevant POEO Licence Conditions.</p>
Objectives	<p>To minimise dust generation and air pollution to prevent impact on surrounding residences and comply with the following ambient goals:</p> <p>(i) dust deposition - 4g/m²/month (annual average);</p> <p>(ii) PM₁₀ - 50µg/m³ (average for rolling 24 hour period) or 30µg/m³ (annual average).</p> <p>To ensure employees are not subject to dust levels above those specified in the OH&S legislation.</p>
Procedures	<p>A proactive and reactive air quality management plan (AQMP) would be developed and implemented in accordance with Department of Planning and Infrastructure and NSW EPA requirements. The AQMP will detail the following:</p> <ul style="list-style-type: none"> The dust emission controls to be applied on site. Dust monitoring to be undertaken. Wind speed and wind direction triggers with associated mitigation measures to be implemented during adverse weather conditions. <p>Dust emission controls which would be applied to operations at the site. In summary, the following controls would be used:</p> <ul style="list-style-type: none"> Delivery trucks entering and leaving site on sealed access road: <ul style="list-style-type: none"> Tar sealed Regular water application Sweeping Delivery trucks entering and leaving site on unsealed internal roads: <ul style="list-style-type: none"> Cement stabilised road base Regular water application to road surface Vehicles unloading to tipping zone stockpiles: <ul style="list-style-type: none"> Water sprays/fog canon Primary crushing: <ul style="list-style-type: none"> Wet suppression and indoors Secondary crushing: <ul style="list-style-type: none"> Wet suppression and indoors Screening: <ul style="list-style-type: none"> Wet suppression and indoors Loading to product stockpiles from conveyors: <ul style="list-style-type: none"> Water sprays Loading from product stockpiles to trucks: <ul style="list-style-type: none"> Material already high moisture content from processing/water sprays as required

	<ul style="list-style-type: none"> Product trucks on paved surfaces entering/leaving site: <ul style="list-style-type: none"> Tar sealed Regular water application Sweeping Product trucks on unpaved surfaces entering/leaving site: <ul style="list-style-type: none"> Cement stabilised road base Regular water application to road surface Wind erosion from tipping stockpiles: <ul style="list-style-type: none"> Water sprays/surface crusting Wind erosion from product stockpiles: <ul style="list-style-type: none"> Water sprays/surface crusting Wind erosion from open areas: <ul style="list-style-type: none"> Water sprays/surface crusting Maintain dust suppression devices to all processing equipment. Maintain the sprinkler system including fine sprays on the conveyors of the processing plant and stockpile sprinklers. Stockpiles used for visual and/or acoustic mitigation to be planted with a non-invasive vegetation cover. 20 km/hr speed limit on internal, unsealed access tracks to minimise dust generation. All loaded vehicles entering and leaving the site to be covered. Regular maintenance of mobile and fixed equipment to minimise exhaust emissions. <p>Asbestos Management</p> <p>Asbestos management would be undertaken in accordance with Workcover NSW guide <i>Management of asbestos in recycled construction and demolition waste</i>. In addition, Concrete Recyclers will:</p> <ul style="list-style-type: none"> advise suppliers that asbestos and asbestos-containing material will not be accepted. incorporate a 'no asbestos' clause in contracts. install highly visible signs indicating that NO ASBESTOS in C&D waste will be accepted. ensures that workers who receive and inspect C&D materials are trained and provided with suitable equipment to complete their tasks. have a site safety plan which documents a safe system of work.
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	<p>Stockpile Management</p> <p>Dust emissions from the stockpiles will be managed as summarised below:</p> <ul style="list-style-type: none"> • All aggregates will be kept damp. • Uncrushed brick and concrete and sandstone: <ul style="list-style-type: none"> - Water sprays/foggers will be applied to the material as each load tips to the uncrushed/brick rubble/concrete rubble stockpiles. - Additional water will be sprayed over the stockpiles, a surface crust then forms which prevents dust emissions due to wind erosion. - Water sprays will be used when loading from the stockpiles to the primary crusher. • Crushed road base (product): <ul style="list-style-type: none"> - The material will be moist when it exits the crusher and is loaded to the product stockpiles. - Due to the inherent moisture of the material, a surface crust then forms which prevents dust emissions due to wind erosion. - Irrigation-type water sprays/foggers will be used during the load-out process. <p>The facility would only receive non-putrescible waste materials. Putrescible waste can be defined as organic material which is capable of being decomposed which often leads to the release of an offensive odour. Non-putrescible material is material which cannot be decomposed by microorganisms and, hence, would not generate this odour. The type of non-putrescible material likely to be received on-site may include concrete, bricks, asphalt, sandstone and sand from the building and construction industry. All loads would be inspected prior to entering the Site and if any putrescible waste is found, the load would be rejected.</p>
Monitoring	<p>As required by Conditions/Licence.</p> <p>It is envisaged that the monitoring would include the following:</p> <ul style="list-style-type: none"> • On-site meteorological station. • Real-time monitoring of PM₁₀ concentrations air quality in the vicinity of the residences predicted to be most impacted by the operations. An additional monitor would also be located to the south of the site. Analysis of the data from these two monitoring locations, in combination with meteorological data, will enable the Project contribution to measured concentrations to be determined. It is proposed that the real-time monitoring would be completed for a limited period of time to demonstrate that the Project is not adversely impacting the local air quality.
Reporting	As required by Conditions/Licence.
Responsible Person	<ol style="list-style-type: none"> 1. Drivers responsible for adherence to speed limits, covering loads, regular vehicle maintenance. 2. Site supervisor responsible for ensuring processing plant operator(s) maintain dust suppression equipment on the plant.

	3. Environmental Officer or person(s) authorised by Environmental Officer responsible for dust and air quality monitoring and reporting, implementation of dust suppression controls.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 5 - WASTE MANAGEMENT PLAN
Consent/Licence Ref.	<p>Insert relevant Conditions of Consent.</p> <p>Insert relevant POEO Licence Conditions.</p>
Objectives	To minimise waste generated, maximise reuse and recycling, and ensure wastes are managed effectively to minimise impact on the environment.
Procedures	<ol style="list-style-type: none"> 1. Maintain separate receptacles for paper, aluminium, glass, plastic and general domestic waste. 2. Recyclables (paper, aluminium, glass and plastic) to be collected and taken to a recycling depot. 3. Non-recyclable waste to be disposed of at registered landfill. 4. No putrescible material to be disposed of on site. 5. No waste generated outside site to be stored, treated, processed, or disposed on site except as permitted by a licence. 6. Maintain on-site sewage storage facility. 7. Encouragement of employees to adopt waste-reducing practices. 8. Apart from visual inspections of waste as it arrives at the site, it is a requirement of the EPA that all material leaving the site complies with the POEO (Waste) Regulation 2005 - General Exemption Under Part 6, Clause 51 and 51A "The Recovered Aggregate Exemption 2010" or "The Excavated Natural Material Exemption 2008". These exemptions detail both the processes which must be adhered to and the chemical testing program required to allow the material leaving the site to be applied to land. These exemptions are to be utilised and complied with as part of the operation of the facility.
Monitoring	Monthly inspection of on-site sorting and storage of recyclables.
Reporting	As required by Conditions/Licence.
Responsible Person	<p>All staff are responsible for correct management and disposal of waste.</p> <p>Environmental Officer to educate new staff of waste minimisation procedures.</p>
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 6 - STORMWATER MANAGEMENT PLAN
Consent/Licence Ref.	Insert relevant Conditions of Consent. Insert relevant POEO Licence Conditions.
Objectives	To ensure discharge of stormwater from the site is clear of sediment, downstream ecosystems are protected, on-site re-use of water is maximised.
Procedures	<ol style="list-style-type: none"> 1. Install and maintain water management structures as per Attachment 14 of the Preferred Project Report to contain and treat all rainfall and runoff. 2. Erosion and sediment control works to be implemented in accordance with EMP 2. 3. Minimise the area of disturbance. 4. Install tank farm to store stormwater collected on the site for re-use in dust mitigation. 5. Testing of stormwater discharge after completion of the site preparation to confirm that the pH is within acceptable limits.
Monitoring	As required by Conditions/Licence.
Reporting	As required by Conditions/Licence.
Responsible Person	Environmental Officer or person(s) authorised by Environmental Officer.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 7 - TRAFFIC MANAGEMENT PLAN
Consent/Licence Ref.	Insert relevant Conditions of Consent. Insert relevant POEO Licence Conditions.
Objectives	To minimise the impact of trucks on the local road network and local residents, and to comply with approved access and vehicle movements.
Procedures	<ol style="list-style-type: none"> 1. All new truck drivers to be provided with <i>Site Induction for Drivers</i> form at the site entrance. 2. Drivers provided with Site Traffic Management Policy. 3. All loads must be fully covered prior to leaving the site. 4. 20 km/hr speed limit on internal road. 5. All vehicles are to enter and leave the site in a forward direction.
Monitoring	<ol style="list-style-type: none"> 1. All loads to be inspected at site entrance to make sure they are covered. 2. Complaints register to be used to record traffic management complaints.
Reporting	As required by Conditions/Licence.
Responsible Person	<ol style="list-style-type: none"> 1. Environmental Officer responsible for weekly inspections of site entrance for sand/clay accumulation, monthly inspections of road pavements for damage condition. 2. Truck drivers responsible to comply with permitted hours of operation.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 8 - BUSHFIRE CONTROL
Consent/Licence Ref.	<p>Insert relevant Conditions of Consent.</p> <p>Insert relevant POEO Licence Conditions.</p>
Objectives	<p>To:</p> <ul style="list-style-type: none"> • afford occupants of any building adequate protection from exposure to a bush fire; • provide for a defensible space to be located around buildings; • provide appropriate separation between a hazard and buildings which, in combination with other measures, prevent direct flame contact and material ignition; • ensure that safe operational access and egress for emergency service personnel and residents is available; • provide for ongoing management and maintenance of bush fire protection measures, including fuel loads in the asset protection zone (APZ); and • ensure that utility services are adequate to meet the needs of firefighters (and others assisting in bush fire fighting).
Procedures	<p>The following measures will be employed for bushfire fighting purposes:</p> <ol style="list-style-type: none"> 1. Two onsite water storage tanks will be provided, each with a maintained capacity of 5000L. One shall be located near the weighbridge offices and another near the staff lunch rooms and workshop. 2. Where an on-site water supply is provided, a suitable connection for firefighting purposes will be made available and located within the inner protection area (IPA) and away from the building. An Rural Fire Service standard 65mm metal Storz outlet with a gate or ball valve will be provided. The gate or ball valve, pipes and tank penetration are adequate for full 50mm inner diameter water flow through the Storz fitting and are metal rather than plastic. 3. Exposed, above ground tanks will be manufactured of concrete or metal and raised tanks will have their stands protected. 4. A Pump will be provided to supply water for fire suppression activities and be a minimum 5hp or 3kW (petrol or diesel powered). 5. Pumps for the water tank will be adequately shielded from potential bush fire threat. 6. All above ground water and gas service pipes/outlets/fittings external to the building will be metal, including and up to any taps. 7. Electrical transmission lines will be located underground.

	<p>8. Overhead electrical transmission lines will be installed with short pole spacing (30 metres), unless crossing gullies, gorges or riparian areas; and no part of a tree is to be closer to a power line than the distance set out in accordance with the specifications in 'Vegetation Safety Clearances' issued by Energy Australia.</p> <p>9. Reticulated or bottled gas will be installed and maintained in accordance with Australian Standard AS/NZS 1596:2002: 'The storage and handling of LP gas' and the requirements of relevant authorities. Gas cylinders kept close to the building shall have release valves directed away from the building and be located at least 2 metres away from any combustible material. Connections to and from gas cylinders are to be metal.</p> <p>10. At the commencement of building works and in perpetuity the property around the proposed buildings to a distance of 25 metres or to the boundary where insufficient, will be maintained as an inner protection area as outlined in Section 4.1.3 of Appendix 5 of <i>Planning for Bush Fire Protection 2006</i> and the NSW Rural Fire Service's document <i>Standards for asset protection zones</i>.</p> <p>11. Water, electricity and gas supplies will to comply with sections 4.1.3 of <i>Planning for Bush Fire Protection 2006</i>.</p> <p>12. The proposed building would be protected from ember attack by enclosing all openings (excluding roof tile spaces) or covering openings with a non-corrosive metal screen. Where applicable this includes sub floor area, openable windows, doors, vents, weepholes and eaves.</p>
Monitoring	Status of bushfire fighting equipment to be checked monthly.
Reporting	Record of all incidents of bushfire.
Responsible Person	Environmental Officer responsible for ensuring all persons working on the site are properly inducted and retraining provided as required.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 9 - COMPLAINTS MANAGEMENT
Consent/Licence Ref.	<p>Insert relevant Conditions of Consent.</p> <p>Insert relevant POEO Licence Conditions.</p>
Objectives	To ensure any site problems brought to the attention of Concrete Recyclers by the local community and/or relevant authorities are documented and acted upon to avoid re-occurrence.
Procedures	<ol style="list-style-type: none"> 1. Complaints telephone number signposted at front gate. Telephone number, along with postal and email address for complaints advertised on website. 2. All complaints/concerns raised by local community/relevant authorities to be recorded on <i>Complaints Register</i> by Environmental Officer. <i>Complaints register</i> to be retained on site. 3. All complaints to be brought to the attention of the Environmental Officer immediately. 4. Environmental Officer to identify and initiate appropriate action in response to complaint and follow-up contact with complainant. 5. Any complaints received to be reviewed to ascertain if site management requires amendment.
Monitoring	<ol style="list-style-type: none"> 1. All complaints to be recorded on <i>Complaints Register</i>. 2. <i>Complaints Register</i> to be checked monthly.
Reporting	Summary of complaints to the EPA as part of Annual Return for Licence.
Responsible Person	<ol style="list-style-type: none"> 1. All persons who receive telephone complaints are responsible for completing the <i>Complaints Register</i> and notifying the Environmental Officer within 24 hours. 2. Environmental Officer responsible for initiating follow-up action and contact with complainant.
Information/References	Insert relevant EMPs and Policies.

TITLE	EMP 10 - HAZARD REDUCTION
Consent/Licence Ref.	Insert relevant Conditions of Consent. Insert relevant POEO Licence Conditions.
Objectives	To ensure any potential hazards are mitigated.
Procedures	<ol style="list-style-type: none"> 1. Spill kits in the storage shed and adjacent to the diesel fuel tanks will be installed. 2. Staff will be trained in spill cleanup procedures and use of the spill kits at the Site. 3. A dry powder fire extinguisher will be installed in the shed and adjacent to the diesel fuel tanks. 4. Staff at the Site will be trained in the use of first attack fire fighting. 5. A procedure for the refuelling of mobile plant will be developed and refuelling operations will be performed no closer than 12 metres to the Site boundary. 6. Operational plant will be located no closer than 25 metres to the Site boundary.
Monitoring	<ol style="list-style-type: none"> 1. All incidents will be recorded detailing measures taken to mitigate impact. 2. Spill kits and firefighting equipment to be checked monthly.
Reporting	Summary of incidents to the EPA as part of Annual Return for Licence.
Responsible Person	<ol style="list-style-type: none"> 1. Environmental Officer responsible for initiating follow-up action and monitoring of equipment.
Information/References	Insert relevant EMPs and Policies.

4.4 Monitoring and Reporting

During both the construction and operational stages of the development, environmental reporting is essential to ensure that the facility operates within the parameters set down in both the consent for the development and the relevant legislation and licences which guide the operation of the facility.

Reporting will include details of:

- The parties who are responsible for the on-site Management Plan at the Site.
- The methods of communication with regard to matters contained in the EMP.

- Contact details of those responsible for the operation of the EMP.
- Compliance reports.
- Remedial action taken as a result of the reporting on an incident.
- Details of auditing carried on in compliance of consent and licence conditions.
- Details of any monitoring such as air quality, acoustic monitoring and groundwater monitoring.

APPENDIX C – RECEIVER LOCATIONS



[illegible]