



June 2011

ENVIRONMENTAL MANAGEMENT STRATEGY (EMS)
FENCING AND SECURITY PLAN

**Former QUARRY SITE AT OLD WALLGROVE ROAD EASTERN CREEK
MATERIALS PROCESSING CENTRE (MPC)
WASTE TRANSFER FACILITY associated with an adjacent
PROPOSED SOLID WASTE LANDFILL**

Document Control

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Controlled Copy No:	Issued by:
Issued To:	Original Issue Date:

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Date: June 2011	Position: Group General Counsel	Prepared by: LHBC

1 UNAUTHORISED ENTRY/ SECURITY OF THE SITE (Benchmark Technique Table BM 30)

CRITERIA

The relevant criteria is set out in condition Schedule 3 Condition 15 and Schedule 3 Condition 57 points f) and g) within Development Consent MP 06_0239 dated 22 November 2009.

Condition 15 states as follows:

The Proponent shall:

- a) prevent unauthorised entry to the site; and
- b) install and maintain a perimeter stock fence and lockable security gates on site.

Condition 57 states as follows:

The Proponent shall not install any signage or fencing on site without the written approval of the Director General. In seeking this approval the Proponent shall:

- f) submit detailed plans of the proposed signage or fencing, which have been prepared in consultation with Council; and
- g) demonstrate that the proposed signage or fencing is consistent with the relevant requirements from Council.

ACHIEVEMENT OF REQUIREMENTS

Table 1.1 lists the consent conditions under Condition 15; provides a summary of the current compliance status and provides recommendations to achieve compliance and to improve the presentation of the program.

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Table 1.1 Consent Conditions (Condition 15 of Schedule 3)

CONSENT REQUIREMENTS	COMPLIANCE STATUS
<i>The Proponent shall: a) prevent unauthorised entry to the site; and b) install and maintain a perimeter stock fence and lockable security gates on site.</i>	Complies Refer this Management Plan Complies Refer this Management Plan

Table 1.2 lists the consent conditions under Condition 57; provides a summary of the current compliance status and provides recommendations to achieve compliance and to improve the presentation of the program.

Table 1.2 Consent Conditions (Condition 57 of Schedule 3)

CONSENT REQUIREMENTS	COMPLIANCE STATUS
<i>The Proponent shall not install any signage or fencing on site without the written approval of the Director General. In seeking this approval the Proponent shall: f) submit detailed plans of the proposed signage or fencing, which have been prepared in consultation with Council; and g) demonstrate that the proposed signage or fencing is consistent with the relevant requirements from Council.</i>	Complies This Management Plan is the document with which approval is sought of the Director General No signage is currently proposed

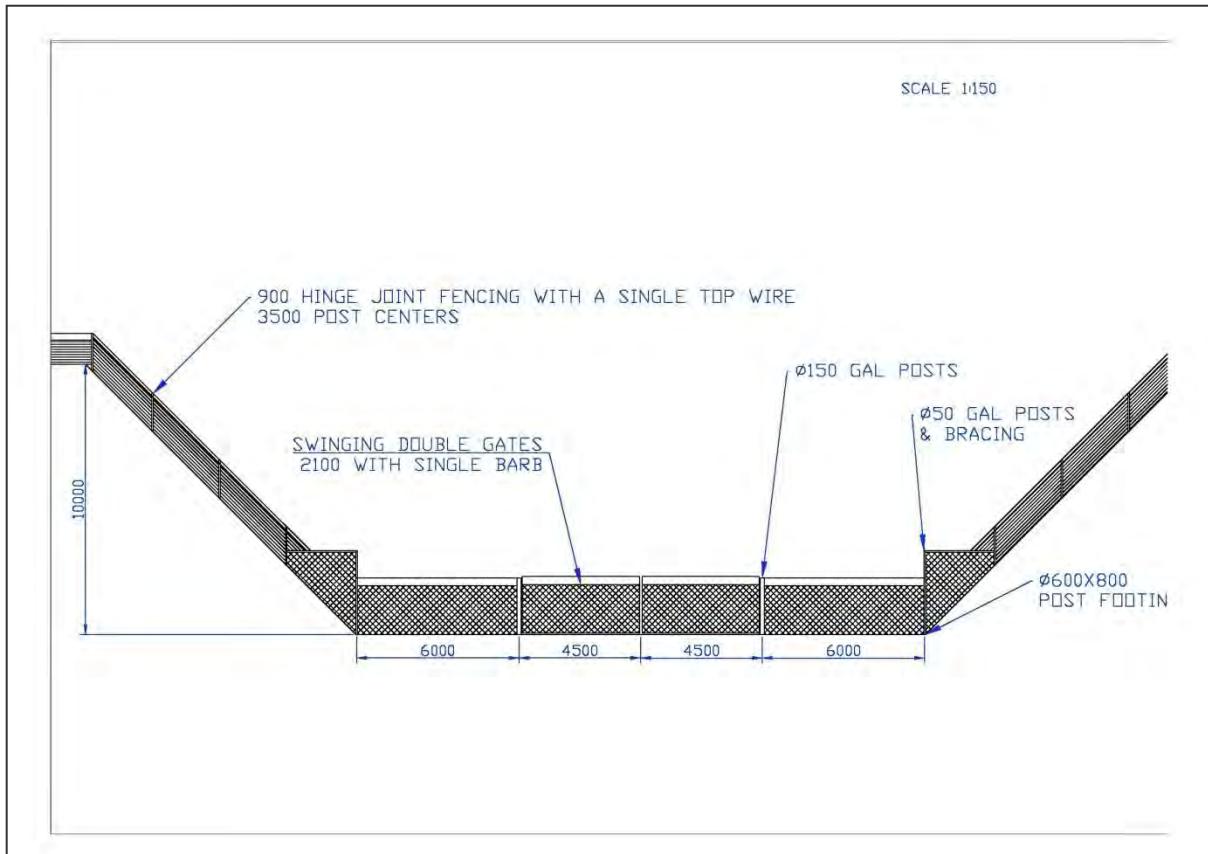
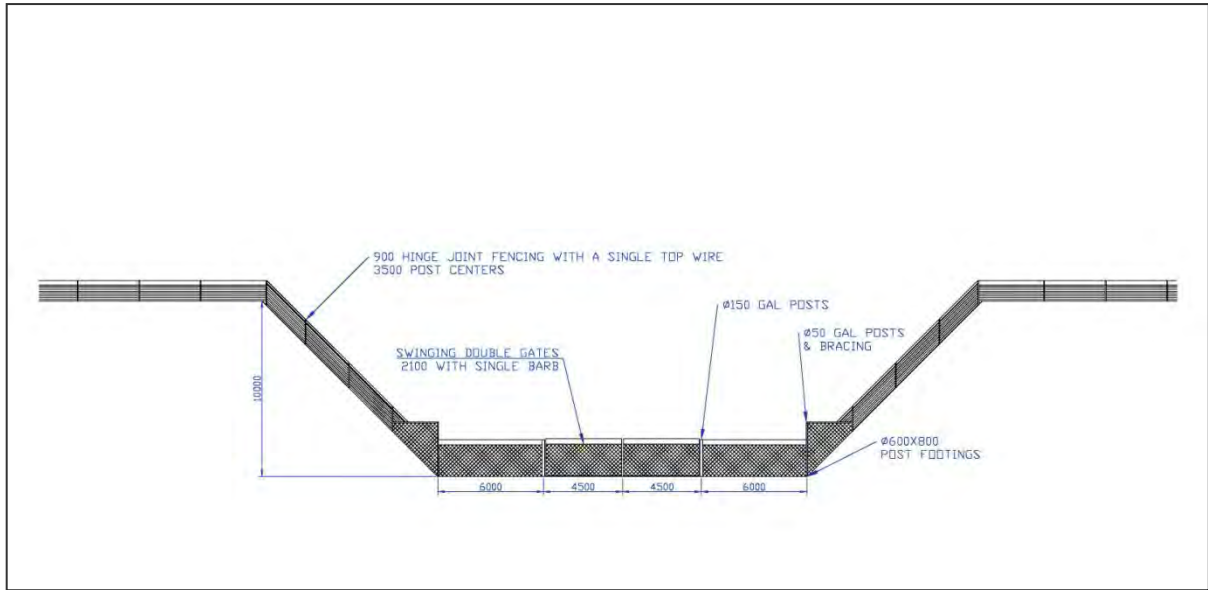
The Fence Control Plan (FCP) comprises four components:

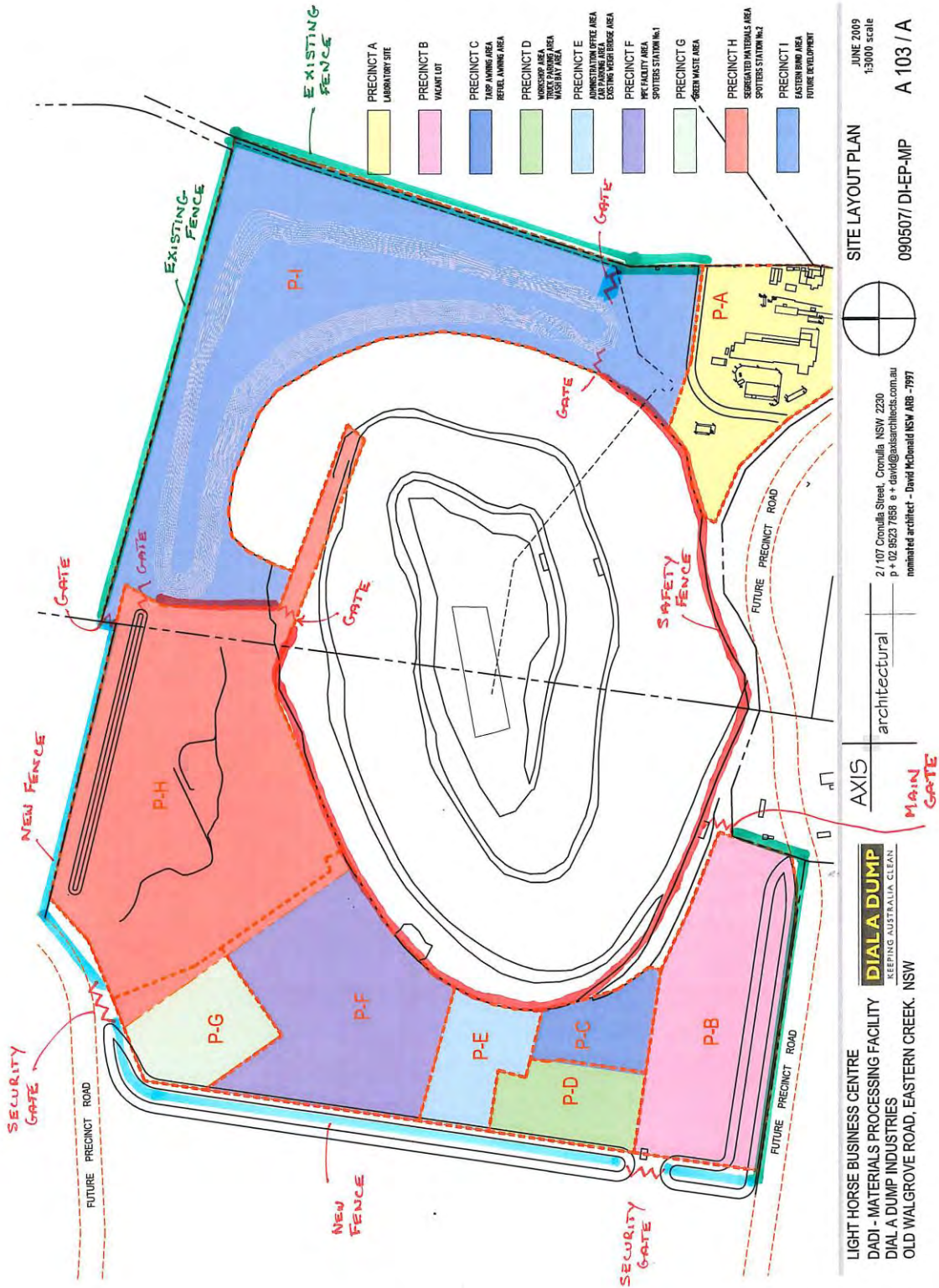
1. Operational Area Perimeter Berms as per Schedule 3 clause 55 parts a), b) and d) of the Development Consent;
2. Perimeter Stock Fencing as per Schedule 3 Clause 15 of the Development Consent;
3. Entry Road Earthen Safety Bunds and
4. Quarry Void Safety Fencing.

As per the Schedule 3 clause 55 parts a) b) and d), LHBC are required to construct and maintain amenity berms to a height of no less than 10 metres in locations as set out in appendix 1 (Site plan A 101/E) of the Development Consent.

The site is rendered largely inaccessible by the steepness of the slopes and that it is surrounded by significant bunds or berms.

Gaps between the berms will be bridged by fences and gates which will be kept locked at all times when the facility is not operating (refer following drawings).





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EXISTING ACCESS GATES

Existing lockable Security Access Gates are located and shown numbered on the Site Plan.

- (1) Current Entry Point
- (2) Northern Entry Point
- (3) Haul Road Entry Point



EXISTING STOCK FENCES

LHBC is required to fence the perimeter of the site in stock fencing in accordance with Schedule 3 Clause 15 of the Development Consent.

The line of existing fences is marked in Green against the Site Plan A 103/E above.

LHBC will make good and secure all existing stock fences.

ADDITIONAL/NEW PERIMETER STOCK FENCING

Where stock fencing does not exist LHBC will install it to the specification shown below longitudinally along the finished and landscaped berms.

To prevent unauthorised entry and to ensure security new additional lockable security gates will be installed.

Stock fencing is required by Condition 15 of the Consent and where it is not installed will be installed along the top of the earthen bunds preventing access by animals or humans. Stock fencing in these areas does not delineate the boundary and nor do they abut a Precinct Road. They are not required therefore to meet the requirements of the Precinct Plan in relation to fences.

ADDITIONAL/NEW SECURITY FENCING

Where it does not already exist additional security fencing [to Blacktown Council specification] shall be installed connecting the Security gates to the nearest stock fence provided that the Security.

Fence shall continue unless it can connect to a stock fence installed on ground not less than 1 metre higher than the highest point of the security gates (refer diagrams on page 5 of this Management Plan).

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The proposed fence line is to be constructed from 2.4m (1.8m out of ground) 50mm OD galvanised steel pipes @ 3000mm spacings 1800mm chainmesh, with black plastic coating where the fence adjoins a precinct road.

There are to be 3 tension wires, all 2.5mm high tensile Waratah “Ezytye” wire. Two wires are to be placed along the top and bottom extremities of the chainmesh and the third is to be run and strained along the mid section. The chainmesh is to be clipped to these tension wires at no more than 300mm lineal spacing.

STOCK LINE FENCE CONSTRUCTION SPECIFICATIONS

The fence line will comprise of 1650mm Black Waratah star posts at 3500mm spacings, 100mm galvanised 2100mm Waratah “Easyslot” strainer posts and “Adjusta” stays will be used on either side of all gate openings, all corners with acute angles of less than 120 degrees and at least every 200m.

The fence will consist of 900mm “Hingedjoint” netting with a plain wire at the top line of the netting and a single 2.5mm plain wire in the top penetration of the post.

ADDITIONAL/NEW SECURITY ACCESS GATES

Western access between Western Operational Area Berm and the South Western Operation Berm,- Northern Access between the Amenity Screen walls. as shown in Light Blue on Site Plan A 103/A above.

GATE SPECIFICATION

The proposed gate construction is to be engineered from 110mm galvanised steel tube main gate posts with twin 2100mm long x 4500mm wide swinging gates engineered to meet all relevant Australian standards.

The gate frames will be made from 50mm galvanised then poly coated or black painted steel tube to which will be attached 2100mm high black, poly coated chain wire mesh. as meets Blacktown City Council’s requirements for Lots covered under SEPP 59.

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The gates and adjacent fences do not connect or abut Precinct roads but nevertheless will be constructed to meet the requirements of the Precinct Plan.

ENTRY ROAD EARTHEN SAFETY BUNDS

Along the southern perimeter Lots 1 and 4 DP 1145808 there is an existing earthen bund which denotes the boundary between Lots 1, 4 and Lot 5 [owned by Hanson Construction Materials].

The roadway area 25 m wide of variable width is a right of carriageway marked "H" on the Deposited Plan.

The Lots benefitted and burdened are shown on the s88B Instrument lodged with the plan and provides an accessway into the Project Facility and also to the Hanson Asphalt operation (part of Lot 5).

The existing Earthen Safety Bunds will be retained with signposted access points for the entry and egress of vehicles onto and from the Right of Carriageway.

QUARRY VOID SAFETY FENCE

LHBC will construct a 1.8m high chainmesh fence along the exposed perimeter of the quarry void, tying into the existing locked gates located at the steep sections of the existing North Eastern bund wall.

The line of this proposed fence is shown as a Red line marked against Site Plan A 103/A above.

The fence would be constructed the entire perimeter of the exposed section of the quarry lip and the proposed fence line is to be constructed from 2.4m (1.8m out of ground) 50mm OD galvanised steel pipes @ 3000mm spacing with standard galvanised 1800mm chainmesh.

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There are to be 3 tension wires, all 2.5mm high tensile Waratah “Ezytye” wire. Two wires are to be placed along the top and bottom extremities of the chainmesh and the third is to be run and strained along the mid section. The chainmesh is to be clipped to these tension wires at no more than 300mm lineal spacing.

This fence is not a boundary fence and nor does it abut a Precinct road. It therefore is not required to meet the requirements of the Eastern Creek Precinct Plan.

The landfill operator has made adequate arrangements for security monitoring for the site during the period outside normal operating hours. This includes regular after hours security patrols of the entire site, TV surveillance , alarm monitoring and appropriate alarm response capability.