



Hanson Blackwattle Bay Erosion & Sediment Control Plan

Prepared by
Liberty Industrial Pty Ltd

For



Lot 5, DP 1064339, 1/1A Bridge Road Glebe NSW

Revision No.	Revision Date	Authority	Changes
A	09.03.2020	SZ	First Draft
B	25.03.2020	SZ	Second Review
00	06.04.2020	RB	Issued for Use

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1 PURPOSE

This guide/summary provides an easy reference and is not intended to replace or override statutory regulations. It describes the proposed erosion and sediment controls to be used on the Hanson Blackwattle Bay Demolition Project.

2 LOCATION

The site is located at 1A Bridge Road, Glebe NSW 2037

3 PROCESS

- Hazardous Materials Removal
- Demolition of Nominated Above Ground Infrastructure

4 PLANT

Excavators, equipment and heavy transport that may impact on erosion and sediment.

5 INSTRUCTION

5.1 EROSION AND SEDIMENT CONTROLS

The implementation of erosion and sediment controls shall be determined by on-site conditions at the time of possession. Sediment control measures will be implemented prior to, or in conjunction with the commencement of operations on the Hanson Black Wattle Bay site. All sediment and erosion controls shall be in accordance with NSW EPA Managing Urban, Stormwater, Soils, Construction Vol1 & Vol2 (Blue Book).

During work, erosion and sediment controls shall be adjusted and maintained until completion of the job or stabilization of the area is achieved (e.g. concrete slabs, compaction, sediment barriers, landscaping etc.).

The fundamentals upon which erosion and sediment controls shall be designed are as follows:

- Storm water shall be managed to protect downstream water quality;
- Mitigate against the potential erosion and subsequent sedimentation; and
- Adequate and appropriate drainage and pollution control measures installed to treat run-off from disturbed areas of the site.

The Erosion and Sediment Control Plan shall comply with the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 – Part 7 (Demolition Code).

5.2 MECHANICAL CONTROLS

The following suggests a variety of methods which can be implemented to control erosion and sediment:

- Divert storm water from off-site around the areas to prevent contaminating waterways;
- Minimise run-off velocities;
- Ground soil movement carried out progressively;
- Silt fences or bunds on the downstream side of ground disturbance, and diversion bunds on the upstream side (installed a minimum of two meters from the toe of storage stacks and demolition works);
- Restrict site vehicles and plant to the defined roadways and work areas to prevent the unnecessary destabilisation of surfaces.

5.3 IMPLEMENTATION

Storm water within the site shall be directed to sediment control devices. The structures should be capable of sustaining their designed flow velocity to prevent erosion.

Water and sediment will be controlled by ensuring that all existing drains will be kept clear of rubble to remain operational during the works. Sediment filter fabric and sediment buns will be installed across and around the drain inlets to prevent sediment run off. Where the demolition of the structure will create sediment runoff to areas other than to the existing drains then sediment fencing (if required) will be established at the perimeter of the works.

Existing hardstands will be utilised for truck ingress and egress to the site and will be regularly kept clean of demolition debris to ensure no material is tracked onto public footpaths and roads.

No construction traffic shall be allowed outside the marked construction site except at designated entry and exit points.

Plant operators shall be given instructions regarding the extent of the demolition site, and the meaning of site markings (e.g. protected trees) prior to the commencement of works.

Cattle Grid will only be used at the site entry once the concrete demolition work starts. Liberty Industrial will utilise Cattle Grid between Gate 1 and Gate 3 as required according to the demolition activity and the arrangement of truck management.

5.4 MONITORING

Erosion & Sediment Control Plan shall be monitored for effectiveness. These control plan shall be continually updated as required. The maps shall be located in the site office. Below is an initial pre-establishment controls map. This will be updated to reflect installed controls once fully established on site.

The Project/Site Manager shall appoint a suitably qualified worker to inspect all catchment devices, when rain is expected, and after each rain event.

The monitoring program shall include the following (as applicable):-

- Regularly inspections of all erosion, drainage and sediment control structures for structural integrity and capacity;
- Regularly cleaning/desilting of sediment control devices to maintain design capacity;
- Emptying water from the sediment traps as soon as possible after rainfall in preparation for subsequent rainfall and prevention of mosquitoes;
- Inspection and testing the quality of water discharges from the site to ensure compliance with regulatory environmental requirements as prescribed in the management plan;
- Inspecting the storm water management devices, particularly following major rainfall events to ensure that these devices are in good working order; and
- Sedimentation and Erosion instruction is regularly reviewed and amended as required;
- Covering of hauled materials, wetting-down loads, reducing load sizes to reduce the risk air-borne contamination;
- Where practical water from run-off basins should be re-used for dust control or compaction; and
- Adequately designed facilities for machinery and truck wash-down before they leaving the site for entry onto sealed public roads.
- The water course surrounding the site will be regularly monitored during the demolition process to ensure no sediment shall be discharged in to the water way surrounding the site.

6 APPENDIX A - EROSION & SEDIMENT CONTROL PLAN

Please refer to MP 08 - Appendix A - Soil and Erosion Control Plan rev00