

## Barings – Access Estate

### BURTONS Contractors

Erosion and Sediment Inspection Report  
 Inspection Date: 23 January 2025

Attendees:

- Bradley Cole
- Mustafa Ak
- Ben Bracken
- Philip Grech

**CPESC Auditor:** Bradley Cole (CPESC #7645)

**Signature:** 

Instructions:

- Where an item is not applicable, N/A is to be placed in the comments box.
- Where a non-conformance is identified, a brief explanation is to be provided in the comments box.
- The completed checklist and details of any corrective are to be provided to the Environment Manager for action and rectification timeframes agreed.

☒ **Project ESCP cited**

Requirement / Aspect	Yes/ No (Y/N)	Comment
<b>General</b>		
Were previous audit actions closed out in agreed timeframes?	Y	No outstanding actions from the previous December site inspections remain open.
Has an approved ESCP been prepared for the work area?	Y	ESCP for the development has been prepared and implemented. Minor updates for progress of works are to be undertaken with progression of works.
Are construction permits and approvals in place?	Y	Works are undertaken in accordance with approval.
Are basin / discharge records recorded and available?	N/A	Basins are constructed with no discharge from site undertaken during the month.
Are internal / self-assessments being undertaken and documented?	Y	Burttons Contractors personnel undertake internal assessments.
Are weather records / monitoring being undertaken and recorded?	Y	Site weather records are maintained from local weather station (Horsley Park AWS).
Is the relevant monitoring being undertaken?	Y	Site monitoring in accordance with the CEMP is being undertaken.
Is the site generally tidy and well organised?	Y	Minimal waste / rubbish and initial Lot 2 earthworks has commenced.
Is disturbance being minimised?	Y	The site is established under the current works staging with the commencement of earthworks on Lot 2. ESC elements are installed and operating effectively.
Is all work (including storage and stockpiling) within the identified project boundary?	Y	All works are contained within the Project boundary.

Requirement / Aspect	Yes/ No (Y/N)	Comment
<b>Erosion and Sediment Controls</b>		
Are measures installed as per ESCP?	Y	The site has controls implemented as per the ESCP.
Are measures installed correctly (i.e. sizing, effective)?	Y	Controls are implemented to accommodate site conditions.
Are entry / exit controls in place and effective?	Y	Site entry is stable with aggregate entry and access road from the Mirvac road side.
Are offsite water diversions in place?	Y	The site is largely bound by external drainage swales / berms for the management of off site water as per the ESCP.
Are drains functional (unblocked, connected)?	Y	Drains were in place and effective.
Are controls maintained (i.e. sediment accumulation, wear and tear, consistent with work progression)?	Y	Controls are established and maintained.
Is sediment fence installed correctly and intact?	Y	Sediment fence installation is trenched in an effective.
Are traps installed appropriately and maintained (i.e. free of sediment accumulation)?	Y	Check controls are installed along the internal drainage areas for sediment traps.
Is dirty water collected in appropriate locations for management?	Y	Water from recent rainfall events is contained in site sediment basins and detention ponds / former farm dams. Water is to be transferred to the sediment basin for management / treatment.
<b>Basins</b>		
Are basins installed as per ESCP?	Y	Basins are installed for active work areas with additional retention areas for the former dam locations.
Are appropriate identification / markers present at basin locations?	N/A	No markers in basins. Type B basins implemented
Are basins walls and inlets stable and operational?	Y	Basin walls are stable and fabric covered.
Are spillways stable and operational?	Y	Basins are operational and constructed as per Type B basin standard design
Do basins currently hold water?	Y	Basins currently hold water from transfer events. Basins are being actively managed and reviewed for operation.
Has rainfall occurred in past 5 days? (10 days for operational sediment basin)	Y	48.2mm of rainfall has occurred in the preceding 5 days – (Horsley Park AWS)
Has any overflow occurred?	N	No basin overflow has occurred.
Has water been treated/tested?	Y	Basin auto dosing units are in place and operating.
Are sediment levels below 60% of allowable levels?	Y	Basins are newly constructed and have retained sediment in the forebay as per the basin design.
Has sediment removal occurred? And has sediment been appropriately managed?	N	Basins are newly constructed and sediment removal has not been undertaken this month.



## GENERAL SITE CONDITION NOTE

The ESC inspection undertaken on the Barings Access Estate Site reviewed the progression of earthworks associated with Lot 2 and the maintenance of erosion and sediment controls under the occupation of Burtons Contractors for the month of January.

A review of all site activity including the implementation of catch drains, filling activities associated with the former farm dam and operation of the AB2 basin as detailed in the approved erosion and sediment control plan for the Project. The current water management activities and the proposed new location for the site facilities were also inspected. The inspection assessed the effectiveness of the existing controls and where relevant proposed potential modifications to the existing ESC measures for improved management and effective construction practices.

The access to the site has altered to the northern entry location now that earthworks have altered elevations to allow for vehicle passage removing the access for Mamre Road thereby improving vehicle safety. The new access has implemented crushed aggregates and a shaker grid for management of tracking and has a sediment basin adjacent to the roadway for runoff management.

Dust and water management on site are performing well with minimal visible dust observed from heavy vehicle movements. Loal drainage swales are installed with check controls for water transfer were installed effectively. Water carts were operating during the inspection with a focus on active work areas a haul routes.

The earthworks for Lot 2 have increase elevations to facilitate the runoff entry to the Basin AB2 decreasing the dependence on the sump arrangements. Water it transferred to the basin from detention areas on the site to facilitate water treatment in Basin AB2.



The site is very tidy and organized and is well presented with designated access routes and signage. Controls are maintained and appear effective. The site is forecasting the continuation of earthworks for Lot 2 and progression of site activity to design.

The installed controls are working well for effective sedimentation control with minor alterations proposed for the progression of fill activities.

**The following corrective actions have been identified during the inspection. Actions are to be closed out in the agreed timeframe and evidence documenting the close out of the actions provided to the auditor for verification.**

Timeframe reference: L – Low (7 days), M – Medium (3 days), H – High (1 day), I – Immediate

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
<p>REC-001</p> <p>Recommendation</p> <p>Water in Basin AB2 appears discolored in the main bay which his likely due to pumping rate from detention areas on site and ineffective treatment. Water should be recycled through the treatment unit or flocked to reduce sediment load.</p>		L		
<p>REC-002</p> <p>Recommendation</p> <p>The southern end of the weir wall has a low point where water is concentrating and scouring the wall. This should be blocked (i.e. sandbag) to engage the full width of the weir and improve treatment.</p>		L		

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
<p>OB-001</p> <p>Observation</p> <p>The former dam dewatering location has been removed with the bund wall extended the length of the site frontage to Mamre Road.</p>		N/A		
<p>OB-002</p> <p>Observation</p> <p>Fill placement is being undertaken in the Lot 2 development area following the decommissioning of the former dam.</p>		N/A		



Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
OB-003 Observation The new access is constructed with the adjacent basin being completed.		N/A		

The below section is to be completed by the Environment Manger / Site Construction Manager following completion of the identified actions.

I certify that all identified actions have been addressed and closed out in the agreed timeframe as documented above.

Name:	
Signature:	
Date:	