

7 July, 2023

Dear [REDACTED],

**Re: Direction made under condition A5 of Sydney Metro Western Sydney Airport project (SSI-10051) for Erosion and Sediment Control**

Reference is made to the Sydney Metro General Correspondence, *Sydney Metro WSA - SBT - Dept of Planning and Environment's Direction made under condition A5 of SMWSA Project (SSI-10051) for Erosion and Sediment Control* (Ref No: SMWSASBT-SMD-GEN000465) dated 9 June 2023.

The SBT Contractor provides the below status table in response to the actions undertaken by the SBT Contractor for the 5 June 2023, Planning Secretary's Directions to Sydney Metro.

Direction		Status 07/07/23
1	You shall submit to DPE a first audit of the erosion and sediment control measures (the measures) as installed on each active construction site comprising the Station Box and Tunnelling Stage of the project. The audit shall be conducted between 25 May and 30 June 2023 (inclusive) and submitted to DPE on or before 7 July 2023. This audit shall be conducted by a CPESC. The audit shall assess the adequacy of the measures having regard to Conditions E127 to E129 of SSI-10051 and the approved Soil and Water Management Subplan.	Audits of the implementation of ERSED controls at all off-airport sites were undertaken on 29 May and 9 June 2023. The audit was conducted by Andrew Macleod CPESC and Director of SEEC. <b>Report attached.</b>
2	You shall submit to DPE a second audit of the erosion and sediment control measures (the measures) as installed on each active construction site comprising the Station Box and Tunnelling Stage of the project. The audit shall be conducted within July 2023 and no less than 4 weeks after the first audit required by Direction 1. The second audit shall be submitted to DPE on or before 7 August 2023. This audit shall be conducted by a CPESC. The audit shall assess the adequacy of the measures having regard to Conditions E127 to E129 of SSI-10051 and the approved Soil and Water Management Subplan.	Andrew Macleod is scheduled to attend and assess the adequacy of the measures having regard to Conditions E127 to E129 of SSI-10051 and the approved Soil and Water Management Subplan on 27 July 2023 for the second audit. The report will subsequently be submitted to DPE on or before 7 August 2023.
3	If an audit prepared under Directions 1 or 2 identifies any deficiencies in the measures, you shall submit to DPE with that audit a detailed response to each deficiency including: - What rectification works are proposed to address the deficiency; and - The timeframe for the rectification works to be completed; and - Where relevant, justification for why recommendations of the CPESC will not be implemented.	The audit prepared under Direction 1 identified actions. A detailed response has been prepared and included with this correspondence. <b>Response Report attached.</b>
4	The audit and response required by this direction are to be provided to the Environmental Representatives for the project within 24 hours of submission to DPE.	Provided to Rui Henriques with this correspondence.
5	You shall publish this direction on the project website within 7 days. The document shall remain available to the public on the project website for the life of that website in accordance with the conditions of the Approval.	The direction was published on the below website within 7 days. <a href="#">CPB Contractors - Sydney Metro - Western Sydney Airport, Station Boxes and Tunnelling Works</a>
6	You shall publish the audits and responses required by this direction on the project website within 7 days of submitting them to DPE. The document shall remain available to the public on the project website for the life of that website as required by the conditions of SSI-10051.	This first audit and response is planned to be published on or before 14 July 2023 at <a href="#">CPB Contractors - Sydney Metro - Western Sydney Airport, Station Boxes and Tunnelling Works</a>

The SBT Contractor provides the following documents attached with this correspondence:

1. *Soil Conservationist Inspection of Erosion and Sediment Controls; Various Sites, Airport Metro SBT; 29 May and 9 June 2023*, dated 28 June 2023 (SMWSASBT-CPG-SWD-SW000-EN-RPT-295258)
2. *CPBGs Detailed Response to Audit Actions*. (SMWSASBT-CPG-SWD-SW000-EN-RPT-295257)

Yours sincerely,



Approvals, Environment & Sustainability Manager

Sydney Metro Western Sydney Airport  
Station Boxes and Tunnelling Works



STRATEGIC ENVIRONMENTAL  
AND ENGINEERING CONSULTING

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[www.seec.com.au](http://www.seec.com.au)

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CPBG JV

By email: [REDACTED]

our reference: 21000264-ESCR-04-06-20230628

your reference:

28 June 2023

CC: [REDACTED]

Dear [REDACTED]

**Soil Conservationist Inspection of Erosion and Sediment Controls;  
Various Sites, Airport Metro SBT; 29 May and 9 June 2023**

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On 29 May and 9 June 2023 I conducted an independent site inspection and audit of the erosion and sediment control measures across CPBG JV's Airport Metro SBT Project sites. During these inspections I was accompanied at various times by the Supervisors and environmental coordinators/advisors.

Two reports were issued to CPBG JV staff, one for each of the above inspection/audit dates.

This report serves as a consolidation of those initial two reports. This report was prepared to address the requirements for an audit of erosion and sediment control measures across the site, in accordance with a Direction Notice issued by the NSW Department of Planning and Environment (DPE) (DPE reference: SSI-10051, issued 5 June 2023).

In completing the audit and preparing this report, I undertook the following:

- An inspection of all active sites associated with CPBG JV's works on SSI-10051.

- An assessment of the adequacy of erosion and sediment control measures at each site, having regard to Approval Conditions E127 to E129 of SSI-10051 and the approved Soil and Water Management Plan.
- A comprehensive summary of recommendations for rectification, improvement, maintenance or repair where deficiencies were identified in the erosion and sediment control measures.
- Provision of positive feedback, where I believed measures warranted such feedback.
- Inclusion of suggested timings/priorities for closing out or implementing any recommendations, which were considerate of the weather forecast at the time of making those recommendations, and the relative risk of non-compliance with relevant Approval Conditions.



Overall, erosion and sediment control is mostly well-managed across the sites inspected/audited. Most of the issues I identified were relatively minor. However, I noted some high priority items at Orchard Hills that require more urgent attention. I also noted that, if significant rainfall was to be forecast, a number of actions and recommendations would become more urgent to address concerns regarding erosion and sediment control (in particular, clean and dirty water management) at the Aerotropolis site.


I am aware that there were concerns raised earlier this year regarding mud tracking at St Marys. These appear to have been addressed well, and I commend CPBG JV for their efforts on that issue.

The following table provides details of my recommendations/actions for ongoing compliance with Approval Conditions E127 to E129 of SSI-10051 and the approved Soil and Water Management Plan, along with some positive feedback as well.



Note that, the weather forecast at the time of undertaking this audit was taken into account when making recommendations in this report, and when assigning priorities to each recommendation.





No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
1.	St Marys	<p>Positive feedback:</p> <p>Excellent use of long-term ground cover (concrete) to create a stable site.</p>		Positive feedback	N/A
2.	St Marys	<p>Positive feedback:</p> <p>Excellent wheel wash facilities and appears to be working well. Little or no sediment tracking offsite.</p>		Positive feedback	N/A

No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
3.	St Marys	<p>Positive feedback:</p> <p>Multiple levels of control around pit in laydown yard.</p>		Positive feedback	N/A
4.	St Marys	<p>Runoff from the wheel wash trickles through the laydown yard and picks up small amounts of sediment on its way.</p>		<p>Continue to sweep the yard regularly and remove as much sediment as possible.</p> <p>Consider diverting runoff from the wheel wash to a sump close to the wheel wash for re-use or pumping to the WTP.</p>	Medium





No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
5.	St Marys	<p>Moxy haul road shows significant sediment build-up.</p> <p>Sumps are in place, but ongoing sweeping is required.</p>		<p>Continue to sweep this clean prior to forecast rainfall to minimise the amount of sediment that runs to the sump.</p> <p>No other action is required here – the controls in place are appropriate.</p>	Ongoing medium priority
6.	St Marys	<p>Sump at entrance to moxy haul road.</p> <p>Risk of dirty water splashing over the kerb and missing the sump.</p>		<p>Extend the concrete lip on top of the kerb along the alignment shown (and as discussed onsite). Raise it by about 100mm.</p>	Medium



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
7.	St Marys	<p>Positive feedback:</p> <p>Stockpiling is only occurring on the south side of the ridge in the concrete pad.</p> <p>This ensures that all sediment-laden runoff from the stockpiling area runs to the nib wall, not off to the north.</p>		Positive feedback	N/A
8.	St Marys	<p>Nib wall is working well to trap dirty water runoff from the stockpiling area.</p> <p>However, no materials should be stored here – they reduce the capacity of the sump created by the nib wall.</p>		Remove materials and bin from the nib wall sump area.	Medium



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
9.	St Marys	Sprinklers for dust suppression are great, but they throw a coarse spray. Should be a fine mist.		Adjust the sprinkler heads to a fine mist.	Low
10.	Orchard Hills	Clean water drain ripped up by recent works.		<p>Spray this area with polymer binder and seed.</p> <p>(Note that photo evidence was provided by CPBG JV staff that this has been closed out already)</p>	Closed out

No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
11.	Orchard Hills	<p>Fabric is incorrectly laid.</p> <p>Needs to be lapped correctly, similar to roof tiles.</p>		<p>Lap the fabric correctly so that water won't go under the fabric.</p> <p>Upslope fabric must go over the downslope fabric.</p> <p>Note that the chutes are fine otherwise – there's no need for rock as well.</p>	Medium
12.	Orchard Hills	<p>Basin capacity needs to be checked to ensure it meets the ESCP minimum.</p>		<p>Basin has accumulated plenty of sediment, and needs to be de-silted if the capacity falls below the minimum required under the ESCP.</p> <p>Check capacity against the ESCP.</p>	Medium





No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
13.	Orchard Hills	<p>Backside of the stockpile site:</p> <p>Inadequate installation of silt fence – not dug in properly.</p> <p>And</p> <p>Stockpiles require ground cover to reduce the risk of erosion.</p>		<p>Install the silt fence properly – trench it firmly into the ground to at least 150mm.</p> <p>And</p> <p>Spray the backside (east face) of the stockpile with polymer binder.</p>	<p>High</p> <p>High</p>
14.	Orchard Hills	Runoff from part of the stockpile would miss the basin.		<p>Extend the bund as shown to ensure that as much as possible of the stockpile will direct runoff to the basin.</p> <p>(Note: photo provided by CPBG JV staff to demonstrate this has already been closed out)</p>	Closed out





No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
15.	Orchard Hills	NE sediment basin spillway has a silt fence across it.		Re-jig the silt fence along the sides of the rock-lined spillway as shown in red.  Remove the silt fence from across the rock spillway.	Low
16.	Orchard Hills	Eastern haul road – silt fences not dug in properly.		Install the silt fence properly – trench it firmly into the ground to at least 150mm	Medium





No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
17.	Orchard Hills	<p>Eastern haul road:</p> <p>Coir logs require minor housekeeping.</p> <p>And</p> <p>Polymer binder is good but top-dressing it on the road makes it slippery and it doesn't last very long. Use an alternative methodology to get better results.</p>		<p>Tidy up the controls along this edge so they provide adequate filtering of dirty water runoff from the haul road.</p> <p>And</p> <p>In future, blend the trafficable polymer into the road by:</p> <ol style="list-style-type: none"> <li>1. Ripping the road to 100mm with a grader or a toothed excavator bucket.</li> <li>2. Spraying the trafficable binder (e.g. Vital HR), then</li> <li>3. Rolling the road to blend the polymer binder and the road material together.</li> </ol>	<p>Meduim</p> <p>Low</p>
18.	Orchard Hills	<p>Positive feedback:</p> <p>Good use of ground covers to establish clean water flowpaths.</p>		Positive feedback	N/A



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
19.	Orchard Hills, far south of the site	Minimal controls in place along the southern boundary.  Silt fences are poorly installed.		Ensure silt fences are properly installed:  Trench them in at least 150mm deep. Returns at 20m intervals  Posts at 2.5m centres (metal posts) or 1.5m centres (wooden posts)	High
20.	Orchard Hills, just north of Lansdowne Rd	Positive feedback:  Good use of a temporary sump to detain dirty site water		Positive feedback	N/A



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
21.	Orchard Hills	The proposed vegetation removal along the eastern boundary should include mulch bunds (or earth bunds) along the eastern edge.		If possible, reuse the mulched vegetation to create a mulch bund at least 500mm high along the eastern edge of the cleared area.	Low
22.	Orchard Hills	Swale drain along western edge, south of Lansdowne Road is suitable as is, and does not need to be stabilised further.		No action required.	N/A



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
23.	Aerotropolis	<p>The upslope catchment is being developed now, which will dramatically increase the amount of run-on into the Aerotropolis site.</p> <p>The clean water drain is still not complete.</p>		<p>The clean water drain should be completed and lined as soon as practicable.</p> <p>There is currently little or no rain on the forecast, so this is not a significant issue at this time. However, if the forecast changes and significant rain is likely, the present setup of this drain is likely to contribute to:</p> <ul style="list-style-type: none"> <li>A. A high risk of dirty water discharging from the site; and</li> <li>B. Additional volumes of water for the project to have to floc, test and discharge.</li> </ul> <p>Completing this drain will take time, so should be prioritized as much as practicable.</p>	High
24.	Aerotropolis	Clean water drain not lined. As a result, any water in this drain must be managed as dirty water.		<p>If this drain needs to be vegetated, it will need to be veneered with topsoil prior to seeding.</p> <p>Alternatively, a compost blanket could be sprayed onto the drain (note that the cost of compost blanket is generally quite high and the lead time could be long because of the quantities of compost that are required).</p> <p>A biodegradable mat or mesh (e.g. jute mesh) should be placed over the topsoil or compost blanket in the invert of the channel.</p> <p>If the channel doesn't require vegetation, consider just using thick jutemat (700gsm), shotcrete or concrete canvas (or a similar GCCM)</p>	High



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
25.	Aerotropolis	<p>Stockpiles in the southern corner are not ground covered as per Blue Book guidelines.</p> <p>Note that this is a low risk in terms of sediment pollution, but is a potential non-conformance.</p>		Spray the stockpiles with soil binder (or an alternative ground cover)	Low
26.	Aerotropolis	<p>Sediment basin spillway is not complete and doesn't extend to the boundary.</p>		Extend the spillway all the way to the boundary discharge point, and fully line the spillway.	Low

No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
27.	Aerotropolis	Spillway poorly constructed – the rock has filled up the swale.		Re-dig the spillway so that the finished level of the rock creates a trapezoidal profile and the water will flow in the channel, not around the sides of it.	Low
28.	Aerotropolis	Stockpile adjacent to the basin blocks a large amount of site water from reaching the basin.		Remove this stockpile and form up the drain to direct all site water into the basin.	Medium



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
29.	Aerotropolis	Dirty water runoff from this batter would flow to the low point, where there are only minimal controls.		Finish off the batter, veneer it with topsoil and vegetate it.	Medium
30.	Aerotropolis	Stockpile adjacent to the basin blocks a large amount of site water from reaching the basin.		Remove the stockpile and form up the drain to direct all site water into the basin.	Medium

No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
31.	Bringelly	<p>Positive feedback:</p> <p>Basin appears to be stable, well-constructed and is being maintained appropriately.</p>		Positive feedback	N/A
32.	Bringelly	<p>Positive feedback:</p> <p>Good use of lined dirty water drains to direct site runoff into the basin.</p>		Positive feedback	N/A



No	Location	Details	Photo (if Applicable)	Action or Recommendation	Priority (at the time of inspection)
33.	Bringelly	<p>Stockpiles in the western corner are not ground covered as per Blue Book guidelines.</p> <p>Note that this is a low risk in terms of sediment pollution, but is a potential non-conformance.</p>		Spray the stockpiles with soil binder (or an alternative ground cover)	Low



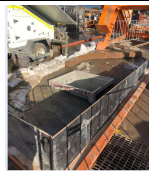









If you would like to discuss any aspect of this report, please feel free to contact me on [REDACTED] or [REDACTED] or [REDACTED]




Yours faithfully,

[REDACTED]

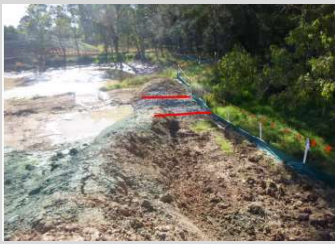







[REDACTED]






[REDACTED]





No.	Location	SEEC Audit Report Comment	SEEC Photo (If Applicable)	SEEC Audit Report Recommendation	Open / Closed	CPBG Response / Action taken	Rectification works proposed (if not complete)	Timeframe	Justification for non response, where applicable	CPBG Update - Photo Evidence
4	St Marys	Runoff from the wheel wash trickles through the laydown yard and picks up small amounts of sediment on its way.		Consider diverting runoff from the wheel wash to a sump close to the wheel wash for re-use or pumping to the WTP sump.	In progress	A permanent diversion for this area is currently being designed and scheduled for completion by the 14th July 2023. In the interim, the maintenance schedule has been increased to ensure ersed controls are checked on a daily basis. Additional ERSED controls have been installed in this area. Pit blockers, Cair logs (inspected daily and replaced if required)	A Permanent contaminated water diversion is currently being constructed (50% complete). The sump will capture runoff from the wheel wash, stockpiles and haul roads. This runoff will be directed into the newly constructed sump. Water from the sump will be pumped to the Water Treatment Plant (WTP).	Target date for the permanent diversion: <b>14th July 2023</b> Interim measure: Completed and ongoing	N/A	 
5	St Marys	Moxy haul road shows significant sediment build-up. Sumps are in place, but ongoing sweeping is required.		Continue to sweep this clean prior to forecast rainfall to minimise the amount of sediment that runs to the sump	Closed	A dedicated yard supervisor has been engaged and instructed to ensure the area is well maintained at all times. The Street sweeper and water cart onsite have been instructed to continuously monitor this area.	N/A	N/A	N/A	 
6	St Marys	Sump at entrance to moxy haul road. Risk of dirty water splashing over the kerb and missing the sump.		Extend the concrete lip on top of the kerb along the alignment shown (and as discussed onsite). Raise it by about 100mm.	In progress	The extension of the concrete lip along the kerb is being constructed as part of the drainage sump redesign.	Completion of the bund will be completed during permanent diversion works (line item no. 4)	Target date: <b>14th July 2023</b>	N/A	
8	St Marys	Nib wall is working well to trap dirty water runoff from the stockpiling area. However, no materials should be stored here – they reduce the capacity of the sump created by the nib wall.		Remove materials and bin from the nib wall sump area.	Closed	Items have been removed as per recommendation. The Yard supervisor has been instructed to keep this area free from bins and materials.	N/A	N/A	N/A	
9	St Marys	Sprinklers for dust suppression are great, but they throw a coarse spray. Should be a fine mist.		Adjust the sprinkler heads to a fine mist.	Closed	Sprinkler heads were adjusted however the finer mist was ineffective so the sprinklers have been set back to a jet spray. We shall continue to monitor performance of the sprinklers and adjust as required. There have not been any community dust complaints.	N/A	N/A	N/A	

10	Orchard Hills	Clean water drain ripped up by recent works.		Spray this area with polymer binder and seed.	Closed	The area has been seeded and polymer-sprayed and will be monitored to ensure the seed takes.	N/A	N/A	N/A	
11	Orchard Hills	Fabric is incorrectly laid. Needs to be lapped correctly, similar to roof tiles.		Spray this area with polymer binder and seed.	Closed	The Fabric has been installed as per recommendation and the batters have been sprayed with polymer binder.	N/A	N/A	N/A	
12	Orchard Hills	Basin capacity needs to be checked to ensure it meets the ESCP minimum.		Basin has accumulated plenty of sediment, and needs to be de-silted if the capacity falls below the minimum required under the ESCP. Check capacity against the ESCP.	In progress	The sediment basin is being maintained and will be surveyed week ending 14th July to ensure capacity meets the minimum required under the ESCP.	Subject to survey results the sediment basin capacity will be adjusted to meet the ESCP minimum requirement.	14th July 2023	N/A	
13	Orchard Hills	Backside of the stockpile site: Inadequate installation of silt fence – not dug in properly. And Stockpiles require ground cover to reduce the risk of erosion.		Install the silt fence properly – trench it firmly into the ground to at least 150mm. And Spray the backside (east face) of the stockpile with polymer binder.	In progress.	The silt fence has been repaired and reinstalled and polymer is being applied to the earth batter. The stockpile is currently being sprayed and will have mulch applied as ground cover to all flat surfaces.	The silt fence has been replaced to meet specifications. A polymer is currently being applied to all batters and is 90% complete.	Mulch application scheduled for 10th-11th July 2023 The Polymer application is due for completion by the 14th July 2023.	N/A	
14	Orchard Hills	Runoff from part of the stockpile would miss the basin.		Extend the bund as shown to ensure that as much as possible of the stockpile will direct runoff to the basin.	Closed	The bund has been extended allowing water to flow from the batter to the basin.	N/A	N/A	N/A	



15	Orchard Hills	NE sediment basin spillway has a silt fence across it.		Re-jig the silt fence along the sides of the rock-lined spillway as shown in red. Remove the silt fence from across the rock spillway.	Closed	The silt fence has been modified as per recommendation and removed from across the spillway.	N/A	N/A	N/A	
16	Orchard Hills	Eastern haul road –silt fences not dug in properly		Install the silt fence properly – trench it firmly into the ground to at least 150mm	Closed	The silt fence has been reinstated and dug into the ground as per specifications.	N/A	N/A	N/A	
17	Orchard Hills	Eastern haul road: Coir logs require minor housekeeping. And Polymer binder is good but topdressing it on the road makes it slippery and it doesn't last very long. Use an alternative methodology to get better results.		Tidy up the controls along this edge so they provide adequate filtering of dirty water runoff from the haul road. And In future, blend the trafficable polymer into the road by: 1. Ripping the road to 100mm with a grader or a toothed excavator bucket. 2. Spraying the trafficable binder (e.g. Vital HR), then 3. Rolling the road to blend the polymer binder and the road material together.	In progress	All coir Logs have been replaced and are now inspected daily.	A Polymer application is scheduled for this road by 21 st July 2023.	Control tidy completed. Polymer application to road: <b>21st July 2023</b>	N/A	
19	Orchard Hills	Minimal controls in place along the southern boundary. Silt fences are poorly installed.		Ensure silt fences are properly installed: Trench them in at least 150mm deep. Returns at 20m intervals Posts at 2.5m centres (metal posts) or 1.5m centres (wooden posts)	In progress	The Silt fence replacement has been planned.	Silt fences along the southern boundary are to be reinstated or replaced before the 14th July 2023.	<b>14th July 2023</b>	N/A	
21	Orchard Hills	The proposed vegetation removal along the eastern boundary should include mulch bunds (or earth bunds) along the eastern edge.		If possible, reuse the mulched vegetation to create a mulch bund at least 500mm high along the eastern edge of the cleared area.	Closed	The mulch bund has been constructed as per recommendation.	N/A	Complete.	N/A	

23	Aerotropolis	The upslope catchment is being developed now, which will dramatically increase the amount of run-on into the Aerotropolis site. The clean water drain is still not complete.		The clean water drain should be completed and lined as soon as practicable. There is currently little or no rain on the forecast, so this is not a significant issue at this time. However, if the forecast changes and significant rain is likely, the present setup of this drain is likely to contribute to:  A. A high risk of dirty water discharging from the site; and B. Additional volumes of water for the project to have to flocculate, test and discharge. Completing this drain will take time, so should be prioritized as much as practicable.	In progress	Sampling is underway and access will be unlikely until late July at this stage.	The clean water drain will be completed and lined as per the recommendation however works have been delayed due to access issues and friable asbestos contamination. The clean water swale drain will be lined with Jute matting and hand seeded as soon as the entirety of the drain is accessible (27 July 2023)	Target date for hydroseeding: <b>27th July 2023</b>	N/A	
24	Aerotropolis	Clean water drain not lined. As a result, any water in this drain must be managed as dirty water.		If this drain needs to be vegetated, it will need to be veneered with topsoil prior to seeding. Alternatively, a compost blanket could be sprayed onto the drain (note that the cost of a compost blanket is generally quite high and the lead time could be long because of the quantities of compost that are required). A biodegradable mat or mesh (e.g. jute mesh) should be placed over the topsoil or compost blanket in the invert of the channel. If the channel doesn't require vegetation, consider just using thick jute mat (700gsm), shotcrete or concrete canvas (or a similar GCCM)	In progress	Load out of the stockpiled ACM material has commenced and the lining of the drain will commence as soon as access to the entirety of the drain can be maintained.	The clean water drain will be completed and lined as soon as per the recommendation, however, due to a number of site constraints, largely the location of the ACM stockpile, the swale drain in the southern portion of the site is inaccessible. Swale drain to be lined and seeded once accessible however no later than the 27th July.	Target date for works: <b>27th July 2023</b>	N/A	
25	Aerotropolis	Stockpiles in the southern corner are not ground covered as per Blue Book guidelines. Note that this is a low risk in terms of sediment pollution, but is a potential non-conformance.		Spray the stockpiles with soil binder (or an alternative ground cover)	In progress	The polymer is booked for application on the 14th July 2023.	The polymer is booked for application on the 14th July 2023.	<b>14th July 2023.</b>	N/A	
26	Aerotropolis	Sediment basin spillway is not complete and doesn't extend to the boundary.		Extend the spillway all the way to the boundary discharge point, and fully line the spillway.	In progress	This spillway is not yet active as a basin has currently been established at the end of the clean water swale drain. Prior to this basin being utilised, the spillway will be extended to connect to the future clean water swale drain.	The spillway is to be extended prior to the basin becoming active.	<b>1st August 2023</b>	N/A	
27	Aerotropolis	Spillway poorly constructed – the rock has filled up the swale.		Re-dig the spillway so that the finished level of the rock creates a trapezoidal profile and the water will flow in the channel, not around the sides of it.	Closed	This Channel has been excavated to design levels. Rock check dams have been reshaped to direct flows to the centre of the spillway.	N/A	Complete.	N/A	

28	Aerotropolis	Stockpile adjacent to the basin blocks a large amount of site water from reaching the basin.		Remove this stockpile and form up the drain to direct all site water into the basin.	In progress	Given that this material has been sourced from the Medium Impact Area, as per Section 11.7 of the RAP, these materials cannot be reused in low impact areas or areas identified for future open space land uses. As such, the intention for this material is to use it to establish diversion bunds around the future clean water swale in the southern portion of the site. The access constraints detailed in Item No. 23 of this report apply to this area. The stockpile will be removed as soon as access allows.	Work will be undertaken once the area is accessible.	Target completion <b>28th July 2023</b>	N/A	
29	Aerotropolis	Dirty water runoff from this batter would flow to the low point, where there are only minimal controls.		Finish off the batter, veneer it with topsoil and vegetate it.	In progress	The grassed area in this image is an ACM remediation area. Once the material in this area has been stripped, a batter will be formed and stabilised. Stripping of the topsoil impacted material is expected to be complete by the 14/07/2023. Once ACM removal is complete, the batter will be extended to the site boundary where the ACM material is to be removed and appropriately stabilised. Target completion for this action is 17/07/2023 - 21/07/2023. It should be noted that a substantial bund has been formed at the top of the existing batter to limit flows to this area should a rain event occur prior to works being completed in this area.	Once ACM removal is complete, the batter will be extended to the site boundary where the ACM material is to be removed and appropriately stabilised. Target completion for this action is 17/07/2023 - 21/07/2023.	Target completion <b>17th - 21st July 2023</b>	N/A	
30	Aerotropolis	Stockpile adjacent to the basin blocks a large amount of site water from reaching the basin.		Remove the stockpile and form up the drain to direct all site water into the basin	In progress	At the time this image was taken, the stockpile visible in the image was formed intentionally to break up the catchment and limit flows to the remediation area adjacent the eastern boundary of the site. Excavation of the drain is progressing however completion is reliant on the removal of the stockpile noted in Item No. 28.	Stockpile to be removed and drain to be completed as soon as practical.	Target completion <b>28th July 2023</b>	N/A	
33	Bringelly	Stockpiles in the western corner are not ground covered as per Blue Book guidelines. Note that this is a low risk in terms of sediment pollution, but is a potential non-conformance		Spray the stockpiles with soil binder (or an alternative ground cover)	Closed	Stockpile has been seeded and jute mesh has been applied.	N/A	Completed	N/A	