

**Date** 13/03/2020  
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**Subject** Proposed MAUW/MADR Stockpile and Processing Locations

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### Purpose

The purpose of this memo is to provide an assessment of a proposed stockpile and processing site required for the Moorebank Avenue Upgrade Works (MAUW) / Moorebank Avenue Diversion Road (MADR) construction being delivered as part of the Moorebank Precinct East (MPE) Stage 2 Project (SSD 7628).

The proposed stockpile and processing site would be established along the western edge of the MPE Stage 2 construction boundary and extend approximately 200 m west into the Moorebank Precinct West (MPW) Stage 2 (SSD 7709). The assessment has been performed against the requirements of SSD 7628 CoC B149(b), relating to minor ancillary facilities.

### Background

A Request for Minor Amendment (RfMA) (MPES2-RfMA-028 MAUW/MADR Stockpiles) was prepared to enable the establishment of additional material stockpile sites within the MPE Stage 2 construction footprint. MPES2-RfMA-028 assessed the location of the additional material stockpile sites within the MPE Stage 2 construction footprint against the criteria of CoC B147 (ancillary facilities) and determined that these sites were consistent with the requirements of CoC B147. This RfMA was subsequently approved by the Environmental Representative (ER) on 29 January 2020.

MPES2-RfMA-028 identified that the amount of spoil stockpiling space on the MPE Stage 2 site was limited such that it was impacting the progress of warehouse construction activities. Therefore, the need for additional material stockpiling space adjacent to the MAUW/MADR construction footprint was identified to enable construction activities associated with MAUW/MADR to commence.

### Justification

The need to provide another site that would provide additional material stockpile and processing capacity adjacent to the MAUW/MADR footprint is required to:

- Address RMS design requirements for MAUW/MADR, which has specified a safety run off zone be built along the length of the diversion road. This has resulted in the embankment area for the diversion road to be widened to the full extent of the MAUW construction footprint leaving no available room for long term stockpiling
- Enable beneficial reuse of site won materials (e.g. topsoil), significantly reducing the amount of heavy vehicle movements that would otherwise be required to export the material and then import new material when required
- Provide a reduction in heavy vehicles movements to/from the site, providing a beneficial environmental outcome with regards to traffic, noise, air quality and sustainability

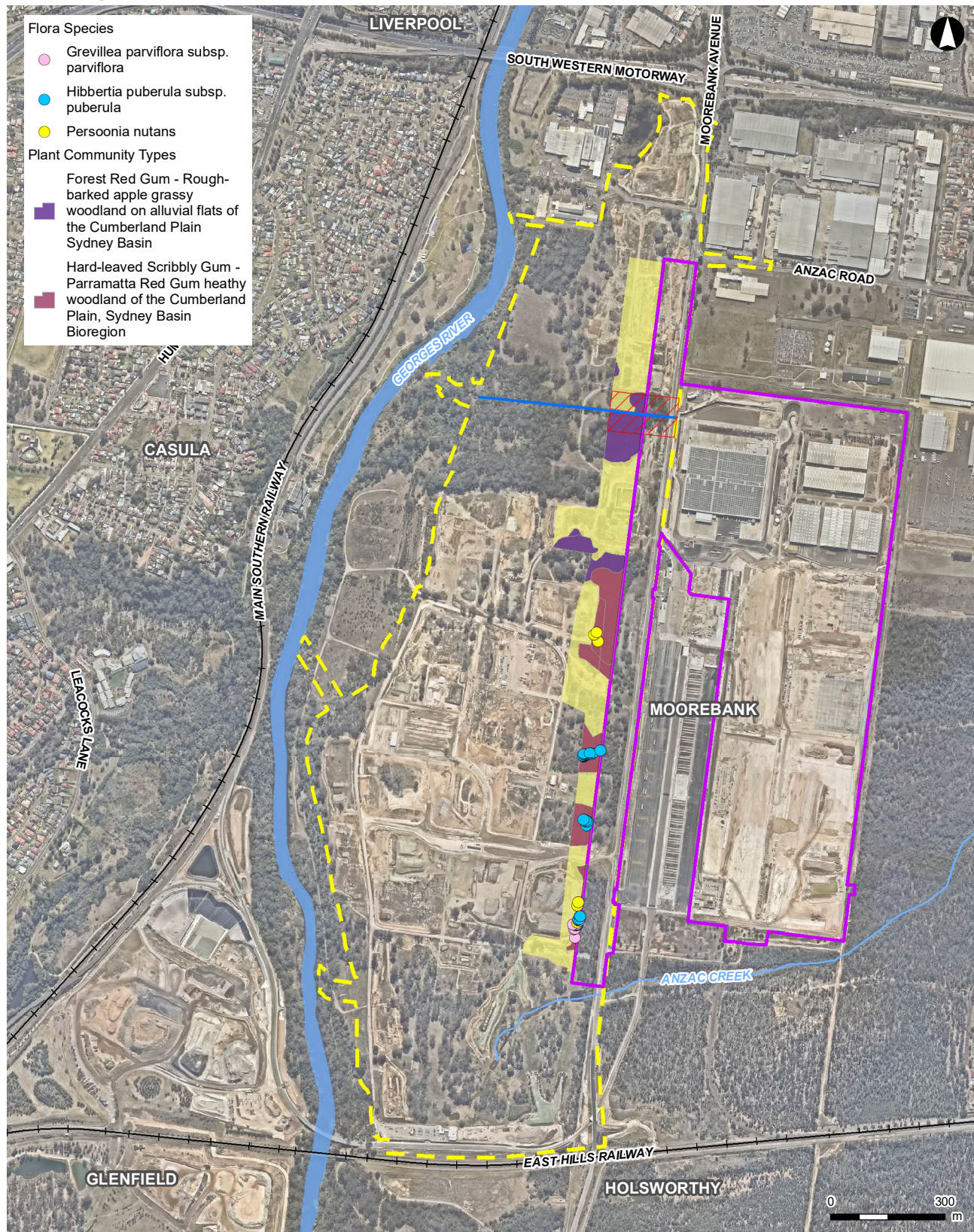
- Provide flexibility of additional stockpile and processing sites adjacent to the progressive construction of MAUW/MADR
- Increase stockpile and processing capacity to provide materials required for MAUW/MADR construction works whilst maintaining appropriate access to MAUW/MADR construction area
- Increase stockpile and processing sites in close proximity to MAUW/MADR construction area
- Reduce double handling that may result in reduced air quality, noise and traffic impacts.

#### **Location of Stockpile Sites**

The proposed stockpiling and processing site is located adjacent to the MPE Stage 2 construction footprint, within the MPW Stage 2 (SSD 7709) construction footprint. Figure 1 identifies the location of the proposed stockpile and processing sites.



## MPE Stage 2 RfMA 036





## Assessment

Table 1 provides an assessment of the proposed material stockpiles and processing sites against the requirements of B149 (b) (minor ancillary facilities).

Table 1 B149(b) Assessment

CoC B149 (b) requirement	Assessment
(i) Minimal amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with:	
<ul style="list-style-type: none"> <li>ICNG (DECC 2009)</li> </ul>	<p>The proposed stockpile processing site will be located in areas that were included in noise and vibration investigations undertaken as part of the MPW Stage 2 EIS.</p> <p>These investigations revealed that construction levels comply with established noise management levels (NMLs) at all sensitive receivers. No additional plant and equipment over and above what were assessed within the EIS is proposed to be utilised.</p> <p>Existing management measures detailed in the approved MPE Stage 2 Construction Noise and Vibration Management Plan will be implemented to manage any potential noise and vibration impacts associated with the proposed stockpile and processing sites. Therefore, it is considered that the establishment of the proposed stockpile and processing sites will have a negligible impact on surrounding residences and businesses and be in accordance with the ICNG (DECC 2009).</p>
<ul style="list-style-type: none"> <li>traffic and access impacts</li> </ul>	<p>The proposed stockpile site is located adjacent to the MPE Stage 2 construction footprint. Access to the proposed stockpile sites would be via an existing MPE Stage 2 construction access point on Moorebank Avenue at Chatham Avenue. The proposed stockpile sites would not increase the amount of spoil or heavy vehicles permitted to access the Project site.</p> <p>With the implementation of existing management measures detailed in the approved MPE Stage 2 Construction Traffic and Access Management Plan, it is considered that the establishment of the proposed stockpile and processing sites will have a negligible traffic and access impact on surrounding businesses and residences.</p>
<ul style="list-style-type: none"> <li>dust and odour impacts</li> </ul>	<p>The proposed stockpile and processing site would not increase the amount of material permissible to be imported per day i.e. 22,000 m<sup>3</sup>, the overall total amount of material permitted by the MPE Stage 2 (SSD 7628) development consent or the number of heavy vehicles accessing the MPE Stage 2 Project site per day.</p> <p>Whilst it would increase the area of dust generating activities, the same plant and equipment used in modelling undertaken as part of the MPE Stage 2 EIS concluded that air emissions at all sensitive receivers is below established air quality criteria.</p>

CoC B149 (b) requirement	Assessment
	With the implementation of existing management measures detailed in the approved MPE Stage 2 Construction Air Quality Management Plan, it is considered that the establishment of the proposed stockpile and processing sites will have a negligible impact on surrounding businesses and residences.
<ul style="list-style-type: none"> <li>visual (including light spill impacts)</li> </ul>	<p>The proposed stockpile and processing site would place and store spoil material within the MPW Stage 2 footprint. Stockpiling and storage of spoil was considered within the visual impact assessment undertaken as part of the MPW Stage 2 EIS.</p> <p>Due to the existing vegetation screening and distance of the stockpile and processing sites from surrounding sensitive receivers it is considered that the proposed stockpile and processing sites would have a negligible visual impact on surrounding residences and businesses.</p>
(ii) minimal environmental impact with respect to:	
<ul style="list-style-type: none"> <li>Waste management and</li> </ul>	<p>The proposed stockpile and processing site would not introduce additional waste materials or increase the amount of stockpile material than that already considered within the MPE Stage 2 EIS and/or development consent.</p> <p>Therefore, it is considered that the establishment of the proposed stockpile and processing sites would have a minimal impact on waste management.</p>
<ul style="list-style-type: none"> <li>Flooding</li> </ul>	<p>The proposed stockpile and processing site is located in areas that have been identified as non-flood prone areas and will not be affected by a 1 % Annual Exceedance Probability (AEP) design event.</p> <p>Where stockpile sites are required in flood prone areas, this will only be permitted with the installation of robust erosion and sediment controls that would adequately protect the stockpile area during a flood event. Flows would be directed to the nearest on-site detention basin to avoid or minimise, to the greatest extent practicable, adverse flood impacts on the surrounding area. The construction of on-site detention basins, if required, will be undertaken early in the construction program of the MAUW/MADR works.</p> <p>The proposed stockpile and processing site will be managed in accordance with the approved MPE Stage 2 Construction Spoil Management and Construction Soil and Water Management Plan.</p>
(iii) no impacts on:	
<ul style="list-style-type: none"> <li>Biodiversity</li> </ul>	No additional vegetation is required to be cleared under SSD-7268 for the establishment of the proposed stockpile and processing sites..
<ul style="list-style-type: none"> <li>Soil and water</li> </ul>	The proposed stockpile and processing sites would store and stockpile material. Management measures detailed in the approved MPE Stage 2 Construction Soil and Water Management Plan would be implemented to manage any potential soil and water impacts from the proposed stockpile and processing sites.

CoC B149 (b) requirement	Assessment
	In addition, Progressive Erosion Sediment Control Plans will be developed by the Construction Contractor in line with the requirements outlined in the approved MPE Stage 2 Erosion Sediment Control Plan.
<ul style="list-style-type: none"> <li>Heritage items beyond those already approved under other terms of this approval</li> </ul>	<p>The proposed stockpile and processing sites will be located in areas that were included in both indigenous and non-indigenous site surveys as part of the MPE Stage 2 and MPW Stage 2 EIS'.</p> <p>Previously recorded indigenous heritage sites as identified within the MPW Stage 2 (SSD 7709) Construction Heritage Management Plan would continue to have an exclusion zone around them and be isolated from works.</p> <p>Therefore, it is considered that the establishment of the proposed stockpile and processing sites would not have any impact on heritage items identified, assessed and approved under the MPW Stage 2 EIS approval.</p>

### Conclusion

Upon ER acceptance of this memo, an RfMA will be submitted to the ER for approval identifying any changes required to the CEMP and subplans as a result of inclusion of the minor ancillary facility.