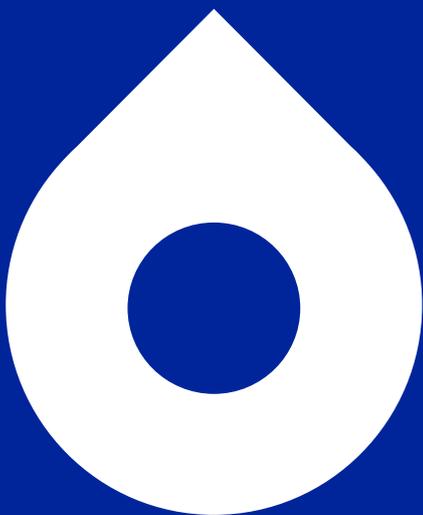


# Mamre Road Precinct - Integrated Stormwater Scheme Plan update

May 2024





# Acknowledgement of Country

Wianamatta, or 'Mother's Place' is a complex water system that travels from Dharawal Country in the south, through Dharug Country in the Aerotropolis. It is made of an interconnected network of ephemeral creeks and resource rich, swampy Country, also known as wetlands.

Through impacts of colonisation and agricultural land use, these water systems have been fragmented and damaged. As the future of Aerotropolis changes, it is vital we commit to healing and revitalising water on Country.

# Updates from December 2023 to May 2024

Sydney Water have been reviewing the Mamre Road Precinct Integrated Stormwater Scheme Plan (the scheme plan) and made changes to:

- 1) Improve transparency by including the recycled water network and associated assets to one integrated scheme plan
- 2) Improving the efficiency of the basins by ensuring the optimal asset depths and layouts
- 3) Maximising RE1 land within the precinct by reducing Sydney Water asset footprints on RE1 land
- 4) Reducing the Development Service Plan (DSP) costs by reducing severance risk.

## Main changes

The main changes to the scheme are summarised below and include the main outcomes achieved.

Basin no.	Change from Dec23 to May24	Outcomes
Basin 1	<ul style="list-style-type: none"> <li>• Removed pond and added pond volume to Basin 2</li> <li>• Moved basin infrastructure off RE1 land</li> <li>• Addition of overland flow path to South Creek</li> </ul>	<ul style="list-style-type: none"> <li>• Free up approximately 7,000m<sup>2</sup> RE1 land</li> <li>• Reduce construction cost</li> </ul>
Basin 2	<ul style="list-style-type: none"> <li>• Basin 1 storage pond footprint added to Basin 2</li> <li>• Basin 2 pond deepened to ensure the Kemps Creek and South Creek clusters achieve the required quantity targets</li> <li>• Moved majority of footprint off RE1 land</li> </ul>	<ul style="list-style-type: none"> <li>• Improve efficiency of Basin 2</li> <li>• Free up 7,000m<sup>2</sup> RE1 land</li> </ul>
Basin 3	<ul style="list-style-type: none"> <li>• Pond is deeper and total area reduced by removing skinny portion connecting Basin 4 bioretention to pond</li> <li>• Pipe connecting Basin 4 bioretention to Basin 3 pond</li> </ul>	<ul style="list-style-type: none"> <li>• Free up approximately 4,000m<sup>2</sup> RE1 land by reducing pond area</li> <li>• Improve cost efficiency of the basin</li> </ul>
Basin 4	<ul style="list-style-type: none"> <li>• Upstream channel moved to northern boundary of lot and connect to basin 4 without major diversion</li> <li>• Bioretention/wetland can sit higher in landscape allowing Basin 2 and 3 to sit higher in landscape creating more volume.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce excavation and improve cost efficiency</li> </ul>
Basin 6	<ul style="list-style-type: none"> <li>• No change at this point.</li> </ul>	<ul style="list-style-type: none"> <li>• No impact</li> </ul>
Basin 7	<ul style="list-style-type: none"> <li>• Significantly larger within the 1% AEP area to offset for Basin 9</li> <li>• Reduce footprint on RE1 land</li> </ul>	<ul style="list-style-type: none"> <li>• Larger asset but increased efficient use of flood prone land</li> <li>• Free up RE1 land</li> </ul>
Basin 9	<ul style="list-style-type: none"> <li>• Significantly larger to allow removal of Basin 11 and fix issues with MUSIC model raised in Technical Working Group findings</li> <li>• Increase basin footprint on RE1 land but ensuring RE1 continuity</li> <li>• Addition of overland flow path to South Creek</li> </ul>	<ul style="list-style-type: none"> <li>• More efficient use of flood prone land</li> <li>• Net increase of basin on RE1 land by approximately 550m<sup>2</sup></li> </ul>
Basin 11	<ul style="list-style-type: none"> <li>• Removed to reduce risk of severance compensation</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce risk of higher DSP costs</li> </ul>



Basin 12	<ul style="list-style-type: none"><li>No change at this point</li></ul>	<ul style="list-style-type: none"><li>No impact</li></ul>
Basin 13	<ul style="list-style-type: none"><li>Pond deepened to compensate for removal of Basin 11</li></ul>	<ul style="list-style-type: none"><li>Improve efficiency of Basin 13</li></ul>
Basin 14	<ul style="list-style-type: none"><li>Pond deepened to compensate for removal of Basin 11</li></ul>	<ul style="list-style-type: none"><li>Improve efficiency of Basin 14</li></ul>
Basin 16 to 31	<ul style="list-style-type: none"><li>No significant changes.</li></ul>	<ul style="list-style-type: none"><li>No impact</li></ul>

The only other change to the stormwater infrastructure is updating of the channel within GPT's Yirabana East development that has a stormwater channel with a 40m wide riparian corridor surrounding it, as a NRAR requirement.

## Future changes to the Scheme Plan

### Will the Scheme Plan be updated in the future?

The Mamre Road Precinct Integrated Stormwater Scheme is now final and no further updates to the Scheme Plan are expected unless:

- There are substantial changes to the basin layout/footprint that may affect other sites.
- There are substantial changes to the trunk drainage channel alignments.
- Changes are required as part of the Development Servicing Plan registration with IPART.

Sydney Water will update the Scheme Plan when required by statutory requirement or at our discretion if there is sufficient change to the scheme. Questions regarding potential changes to channels or basins in can be directed to Sydney Water through the case manager or via email ([WesternSydney@sydneywater.com.au](mailto:WesternSydney@sydneywater.com.au)).