

18 December 2020

Tony Marks
Victorian Planning Authority (VPA)
Level 25, 35 Collins Street
Melbourne VIC 3000

Dear Tony,

Proposal: Planning scheme amendments
Location/Project: draft amdt Cxxxhume - Craigieburn West Precinct Structure Plan -
Public Consultation
Melbourne Water reference: MWA-1192086
Referral Date: 17/11/2020
Closing/Response Date: 18/12/2020

Thank you for providing Melbourne Water with the opportunity to provide comment on the Craigieburn West Precinct Structure Plan (PSP) and the draft amendment to the Hume Planning Scheme.

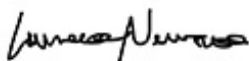
Our review of the Craigieburn West PSP and associated documents has aimed to ensure they reflect our requirements with respect to stormwater drainage, flood management and river health in accordance with our functions as Regional Drainage, Floodplain Management and Waterway Management Authority under the Water Act 1989.

Melbourne Water has worked closely with the Victorian Planning Authority in developing an appropriate drainage servicing strategy for this precinct, which will also be reflected in the updated versions of the Aitken Creek, Upper Brodies Creek and Yuroke Creek Development Services Schemes.

Melbourne Water is generally satisfied with the Craigieburn West PSP, however, we do have comments regarding the specifics of some of the guidelines and requirements proposed. Attached is a comments register which outlines the sections where alterations to the documents are required, and also provides general comments regarding the some of the proposed outcomes.

Should you require any further information please don't hesitate to contact myself on 03 9679 7183 or laurence.newcome@melbournewater.com.au

Kind Regards



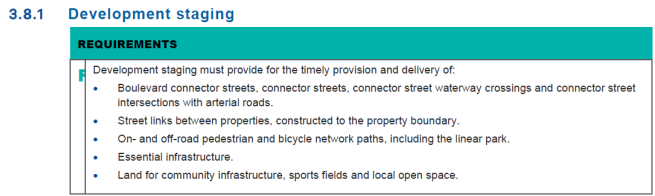
Laurence Newcome
Precinct Structure Planning Coordinator
Catchment Strategies and Services, Development Services

Project: draft Hume Planning Scheme Amendment Cxxxhume – Craigieburn West PSP
Status: Public Consultation
Close Date (external comments): Friday, 18/12/2020
Purpose: Melbourne Water Internal Stake-holder Collated Comments

Issue	Correction/Recommendation	Document Reference (Page/Section)	Melbourne Water Officer
The draft Future Urban Structure appears to include all alignments and land-takes relevant to the current versions of the Aitken Creek, Upper Brodies Creek and the Yuroke Creek Development Services Schemes.	N/A – General Comment	Craigieburn West PSP	Laurence Newcome
Correction to Terminology "Sodic and Dispersive"	References to "Sodic", "Dispersive" or "Sodic/Dispersive" should be updated to "Sodic and Dispersive" to appropriately reflect the soil types that require potential management/mitigation actions.	Craigieburn West PSP	Laurence Newcome
<p>Craigieburn West PSP - Page 10 - Section 2.2 Purpose</p> <p><i>"Facilitate the final drainage outcomes for to the development services scheme for the Aitken Creek, Yuroke Creek and Upper Brodies Creek catchments, including the protection of the Greenvale Reservoir."</i></p>	<p>Melbourne Water requests that the below updated wording be considered:</p> <p><i>"Facilitate the final drainage outcomes associated with the Aitken Creek, Yuroke Creek and Upper Brodies Creek Development Services Schemes, including outcomes associated with the protection of the Greenvale Reservoir."</i></p>	Craigieburn West PSP - Page 10 - Section 2.2 Purpose	Laurence Newcome
<p>Craigieburn West PSP - Page 11 - Section 2.3 Objectives - O4 Water, utilities & safety</p> <p>To facilitate safe, resilient and water sensitive urban environments in Craigieburn West that respond to climate change, bushfire management and final drainage outcomes including the protection of the Greenvale Reservoir Drinking Water Catchment.</p>	<p>The current wording does not appropriately reflect the protection requirements for the Greenvale Reservoir, as outlined in ESO-09 in the Hume Planning Scheme, noting that they aren't drainage specific protection requirements.</p> <p>Melbourne Water requests that the below updated wording be considered:</p> <p><i>"To facilitate safe, resilient and water sensitive urban environments in Craigieburn West that respond to climate change, bushfire management, drainage outcomes and the specific protection requirements relevant to the Greenvale Reservoir Drinking Water Catchment."</i></p>	Craigieburn West PSP - Page 11 - Section 2.3 Objectives - O4 Water, utilities & safety	Laurence Newcome

<p>Craigieburn West PSP - Page 16 - Section 3.1 - Housing, subdivision & built form - Guideline G6</p> <p><i>"Where subdivision does not propose a local street separating development, design and layout options should demonstrate:"</i></p>	<p>Melbourne Water requests that the below updated wording be considered:</p> <p><i>"Where a street separating development is not feasible, design and layout options should demonstrate:"</i></p>	<p>Craigieburn West PSP - Page 16 - Section 3.1 - Housing, subdivision & built form - Guideline G6</p>	<p>Ryan Van Den Hove</p>
<p>Craigieburn West PSP - Page 22 - Section 3.3.1 Integrated Water Management - Requirement R10</p> <p><i>"Stormwater conveyance and treatment (including interim solutions) must be designed to avoid or mitigate the risk of erosion from sodic/dispersive soils and in accordance with the relevant Development Services Scheme and Plan 6 to the satisfaction of Melbourne Water and the responsible authority."</i></p> <p><i>Note: this may result in variation to the Melbourne Water DSS as shown on Plan 6.</i></p>	<p>Melbourne Water requests that the below updated wording be considered:</p> <p><i>"Stormwater conveyance and treatment (including interim solutions) must be designed in accordance with the relevant Development Services Scheme and Plan 6 to the satisfaction of Melbourne Water and the responsible authority, and to avoid or mitigate the risk of erosion from sodic and dispersive soils</i></p> <p><i>Note: this may require a variation to the relevant DSS as shown on Plan 6"</i></p>	<p>Craigieburn West PSP - Page 22 - Section 3.3.1 Integrated Water Management - Requirement R10</p>	<p>Laurence Newcome</p>

<p>Craigieburn West PSP - Page 22 - Section 3.3.1 Integrated Water Management - Requirement R11</p> <p><i>"Final designs and boundaries of constructed wetlands, retarding basins, stormwater quality treatment infrastructure, and associated paths, boardwalks, bridges, and planting, must include appropriate treatments to provide protection for dispersive soils where these are present and be designed to the satisfaction of both Melbourne Water and the responsible Authority."</i></p>	<p>Melbourne Water requests that the below updated wording be considered:</p> <p><i>"The final layout and design of constructed wetlands, retarding basins, stormwater quality treatment infrastructure, and associated paths, boardwalks, bridges, and planting, must be designed to the satisfaction of Melbourne Water and the responsible authority, and include appropriate considerations to mitigate the risk of erosion from sodic and dispersive soils"</i></p>	<p>Craigieburn West PSP - Page 22 - Section 3.3.1 Integrated Water Management - Requirement R11</p>	<p>Laurence Newcome</p>
<p>Craigieburn West PSP - Page 22 - Section 3.3.1 Integrated Water Management - Guideline G22</p> <p><i>"Where practical, development should include integrated water management initiatives to reduce reliance on potable water and increase the utilisation of storm and wastewater contributing to a sustainable urban environment."</i></p>	<p>Melbourne Water requests that the below updated wording be considered:</p> <p><i>"Where practical, development should include integrated water management initiatives to reduce reliance on potable water and increase the utilisation of stormwater and wastewater contributing to a sustainable urban environment."</i></p>	<p>Craigieburn West PSP - Page 22 - Section 3.3.1 Integrated Water Management - Guideline G22</p>	<p>Laurence Newcome</p>
<p>Craigieburn West PSP - Page 23 - Section 3.3.1 Integrated Water Management - Guideline G29</p>	<p>Melbourne Water requests that the below dot point be added to Guideline G29:</p> <ul style="list-style-type: none"> <i>Minor instream stabilisation to support pool and riffle structure and reduce risk of disturbance of reconstruction or erosion.</i> 	<p>Craigieburn West PSP - Page 23 - Section 3.3.1 Integrated Water Management - Guideline G29</p>	<p>Katy Marriott</p>
<p>Craigieburn West PSP - Page 25 - Table 3: Water Infrastructure</p>	<p>Update "DSS Gap" to "Gap Catchment (Non DSS)"</p>	<p>Craigieburn West PSP - Page 25 - Table 3: Water Infrastructure</p>	<p>Laurence Newcome</p>

<p>Craigieburn West PSP - Page 27 - Section 3.3.3 Bushfire management & safety - Guideline G39</p> <p><i>Where a setback is required from a bushfire hazard, the setback should be provided on public land where practical.</i></p>	<p>This buffer/set-back needs to be located external to Melbourne Water's Drainage Reserves and Waterway Corridors, noting that Aitken Creek currently contains native grassland and this guideline will potentially place a significant additional maintenance burden on Melbourne Water. Melbourne Water also requests further guidance as to how this requirement specifically relates to the scattered trees in close proximity to Aitken Creek.</p>	<p>Craigieburn West PSP - Page 27 - Section 3.3.3 Bushfire management & safety - Guideline G39</p>	<p>Katy Marriott</p>
<p>Craigieburn West PSP - Page 27 - Section 3.3.3 Bushfire management & safety - Guideline G41</p> <p><i>Landscape design and plant selection in open spaces, including waterways and drainage corridors, should not increase bushfire risk.</i></p>	<p>The outcome of this guideline is somewhat ambiguous for drainage reserves and waterways, Melbourne Water requests further details regarding the intent of this guideline, noting that many of our constructed waterways feature indigenous species.</p>	<p>Craigieburn West PSP - Page 27 - Section 3.3.3 Bushfire management & safety - Guideline G41</p>	<p>Katy Marriott</p>
<p>Craigieburn West PSP - Page 41 - Section 3.8.1 Development Staging - Requirements Table</p>	<p>Please note the below formatting error for this table:</p> 	<p>Craigieburn West PSP - Page 41 - Section 3.8.1 Development Staging - Requirements Table</p>	<p>Laurence Newcome</p>
<p>Explanatory Report - Page 4</p> <p><i>"Drainage infrastructure will be upgraded to cater for urban development and allow for natural flows into retarding basins or wetlands."</i></p>	<p>Melbourne Water requests that the below updated wording be considered:</p> <p><i>"Drainage infrastructure appropriate to cater for the urbanisation of this precinct will be provided for a component of development. This will include stormwater quality treatment assets and retarding basins as required."</i></p>	<p>Explanatory Report - Page 4</p>	<p>Laurence Newcome</p>

<p>Explanatory Report - Page 5</p> <p><i>"Existing waterways will be retained and improved to cater for increased surface water flows resulting from increased hard surface area associated with urban development. Waterways will be complemented by water treatment facilities, wetlands and retarding basins to ensure water flowing through and out of the precinct is conveyed safely and is of a high quality."</i></p>	<p>Update "water treatment facilities, wetlands" to "stormwater quality treatment assets"</p>	<p>Explanatory Report - Page 5</p>	<p>Laurence Newcome</p>
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