

Meeting Minutes

Ravenhall Drainage Workshop

Meeting date: 31/03/2026

Meeting time: 10:00am – 12:00pm

Location: Microsoft Team Meeting

Chairperson: Ava Rafatnejad (Melbourne Water)

Attendees: **Stakeholders and Landowners:**
VicTrack, TransGrid, Pelmin Properties, Melton City, Parks Victoria, Department of Justice, DEECA, DTP/VPA, Cogency/Cleanaway, Dexu, Boral, Melbourne Water

Note taker: Ekaterina Pronina (Melbourne Water)

Agenda items The workshop main focus is to bring together affected stakeholders and key landowners in Ravenhall and Laverton Creek to present critical drainage interface issues across the catchment. This workshop addresses the complexities, constraints, risks and opportunities in Laverton Creek catchment.

The workshop will focus on the Melbourne Water's proposed drainage investigation outcomes, highlighting key interface locations in Laverton Creek Outfall Area that needs to be resolved prior the commencement of any precinct planning processes (Figure 1).

The workshop will also provide opportunity for participants to share feedback and raise any outstanding questions for discussion and further resolutions.

The overall deliverable for these workshops is the formal letter to VPA/DTP with the written assumptions based on the resolution outcomes from these sessions.

Presenters **Melbourne Water** – Catchment Planning and Engineering (CPE) Team

David Reginato – Senior Manager
Ian Pham – Acting Regional Manager
Freda Mahmoudnasab – Senior Engineer
Ava Rafatnejad – Acting Principal Engineer

Boral – Ravenhall Logistics Precinct
Cameron McMeeken

DEXUS

Andrew McDonald

Discussion

1. Workshop's Purpose:

- Workshop will address the constraints and complexities for the Ravenhall and Laverton Creek Catchments at the key interface locations (Figure 1).
- Workshop will focus on determining and discussing of key technical assumptions boundaries
- Workshop will address current Melbourne Water's review, which is based on the development submissions, internal review and modelling incorporating key constraints and conditions that have been identified for Ravenhall and Laverton Creek Catchments.
- Goal is to discuss assumptions between key landowners and stakeholders while continuing to seek and gather feedback from stakeholders/ landowners and to promote further engagement.

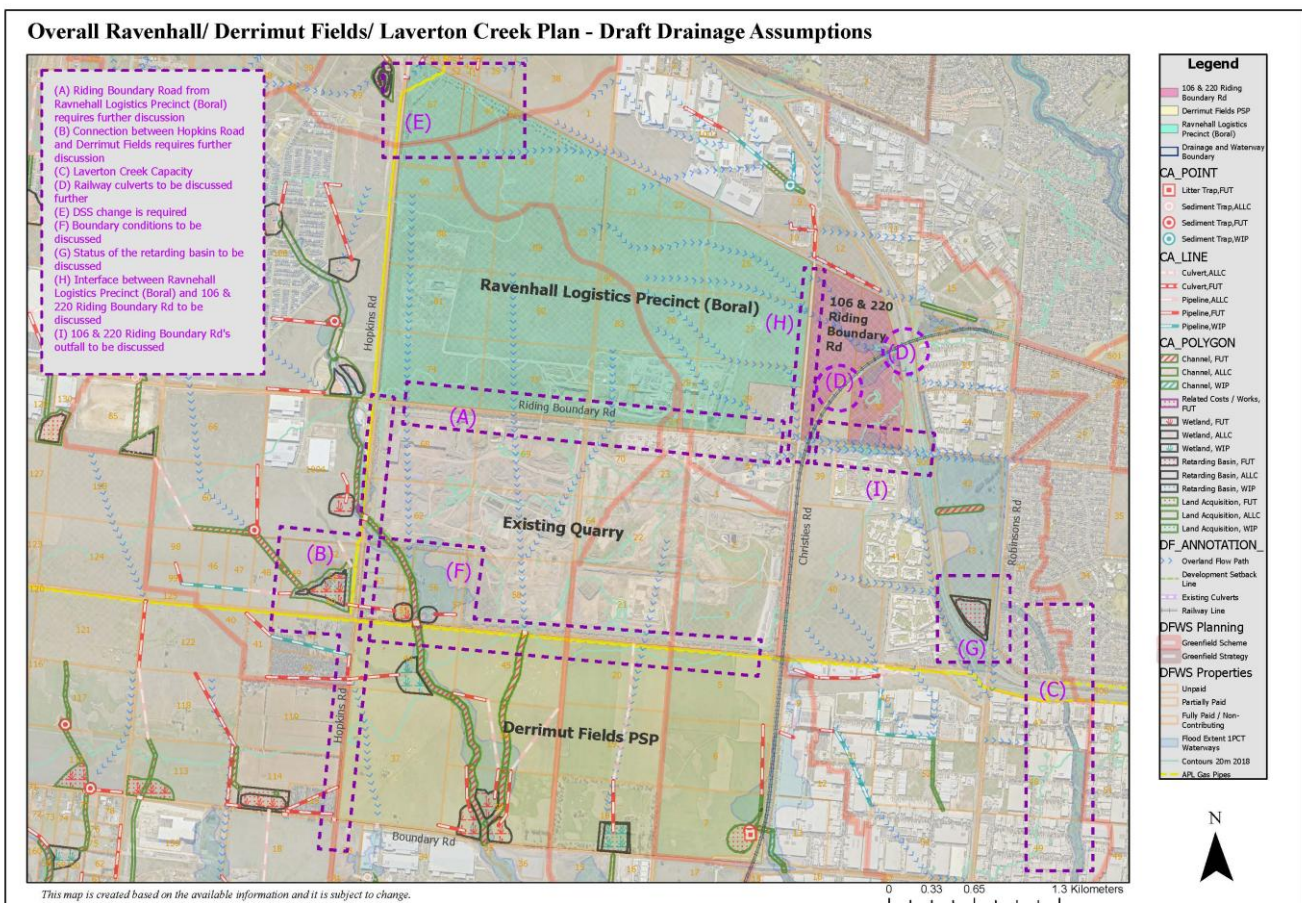


Figure 1. Draft Drainage Assumptions for overall Ravenhall, Derrimut fields and Laverton creek.

2. Location (E): DSS boundary change proposal

- The main objective for the location E is to propose alignment of PSP and DSS boundary, while ensuring that no flows from Boral site will contribute to Warrawee's site.

- Cameron McMeeken on behalf of Boral presented an update on the catchment, touching on existing and developed conditions, Cleanaway site, conservation area and south eastern outfall. The main takeaways are:
 - Cameron McMeeken had supported the DSS boundary change at the Ravenhall Logistic Precinct
 - Developed conditions is retarding or maintaining to existing flows.
 - Conservation area: the 10% AEP flow to be conveyed by pipe and diverted away from conservation area, and the rainfall events higher than 10% AEP will be conveyed through conservation zone.
 - The Boral site is to be outfalled via existing Christies Road culverts downstream
 - South Eastern Outfall will outfall via both road and railway culverts
- Stakeholder/Landowner Feedback:
 - James Kirby (Melton City)– mentioned that Warrawee PSP has not yet commenced
 - Inneke De Villiers (VPA/DTP) – responded that Warrawee PSP includes a submitted ILGS and is in progress.
 - Cameron McMeeken (Boral) – had provided confirmation that they have covered everything from Boral as part of their presentation and supported the DSS boundary change in the North-Western Corner of the Boral Site.
 - Melbourne Water is supportive of the realignment of DSS boundary to align with the Boral Boundary presented.

3. Location (H): Incorporating Various Interfaces

- The main objectives for the location H are to discuss the outfall from Boral Site, Cristies Road culverts; to understand both MSA area and TransGrid's design conditions. Additionally, the flow conveyance upstream and downstream of TransGrid's site is to be discussed as well.
- Andrew McDonald on behalf of DexuS have presented an update on the catchments both the DexuS site and the external drainage catchments. The main takeaways are:
 - The developed flows will be retarded to the pre-developed flows
 - DexuS is looking forward towards future progress, especially upstream and downstream of their site. Additionally, are looking forward to the flood modelling downstream of DexuS site.
- Stakeholder/Landowner Feedback:
 - Cameron McMeeken (Boral) confirmed that they can assist with the modelling for the MSA conservation area.

- Jonathon Mclean (Alluvium) confirms the challenging aspects of the MSA area, stating that conservation area is expected to have a drier conditions as there is no natural waterway within the conservation area. Jonathon Mclean had supported the idea of piping the minor events as the best solution, however mentioned that it would be challenging to achieve pre-development flows within the conservation area.
- Julia (DEECA) supported the idea of early modelling as it would provide the information to feed the regime conditions for the MSA area. Additionally, the hydrological regime suggested by DECCA is the flow needs to be maintained to pre- developed flows within the MSA and any potential disturbance within the conservation are to be avoided. Any proposed changes to hydrology would need to be assessed and reviewed with the models.
- Robert Asquith (Cogency) is supportive of the continuing progress and collaboration on the area.
- Ian Pham (Melbourne Water) – discussed the downstream conditions, where the flows from Boral and TransGrid site will discharge into the Christies Rd culverts and Rail culverts. Ian highlighted the importance of understanding how the culverts' levels and site levels will work together.
- David Reginato (Melbourne Water) - discussed the existing permit for TransGrid site and that this property will be treated as an existing condition.

4. Location (A): Riding Boundary Rd Interface

- The main objective for the Location A is to understand/ confirm the outfalls locations along Riding Boundary Rd and the scheme boundary, while confirming how much flow is going to Derrimut Fields and Laverton Creek.
- Stakeholder/Landowner Feedback:
 - David Reginato (MW) – highlighted the urgency and importance of locking in the boundary and catchment conditions at the Boral site, while setting the right flow assumptions such as what flow is going south and what's going east.
 - Cameron McMeeken (Boral) – stated that the main constrain is the future Cleanaway site (Quarry), as it will be filled above existing levels. However, based on Boral catchment analysis Boral have completed, and the indicative outfall locations presented; Cameron suggested that these presented locations are the best outfall locations.
 - Andrew Green (WSP) – expressed interest in the Riding Boundary Rd outfall discussion, highlighting the fact that a portion of quarry

catchment flows are draining to the north and the south-east and stated that major flows are likely to flow along the Riding Boundary Rd.

- Adrew Green (WSP) suggested to keep in mind that there might be additional railway culvert crossing that may be required, calling for further outfall investigation at South-East corner.
- Ian Pham (MW) – agreed that Adnrew (WSP) had shared important information and asked for future plans and contacts to be shared with MW to better understand the Cleanaway area and the outfall options.
- David Reginato (MW) clarified that this is developer run funding with an overall goal to use the existing/current infrastructure. However, David highlighted the importance of understanding or setting the right assumptions is primary objective of these workshops.
- Timothy Cowdroy (TransGrid) – asked for the flows to be managed or kept away from TransGrid site due to high voltage transmission underground.
- Inoka Habakkala Kankanamge Dona (Melton City) – asked a question regarding why the DSS is not showing any assets yet.
- David Reginato (MW) provided a response, which stated that the funding model is only for downstream as Boral and Dexus are doing their own stormwater treatment. However, the stormwater quality and retarding will not be negotiable and will be sort out through the PSP process.

5. Location (D): Railway Culverts

- The main objective for the Location (D) is to confirm the culvert connection from Christis Rd culverts to the existing railway culverts, levels and conveyance methods.
- Stakeholder/Landowner Feedback:
 - Iain Macinnes (VicTrack) covered the requirements regarding the area, mentioning that the existing culverts will be utilised by the upstream catchments and two more culverts have already been built that can be utilised for the additional flows downstream.
 - David Reginato (MW) – encouraged the idea of sharing suggestions/ideas/solutions and encourage to engage further.

6. Laverton Creek Investigation

- The main objective is to share the flood modelling and investigation done by Melbourne Water to inform the existing flood conditions for the area.

- Freda Mahmoudnasab (MW) presented the result of flood investigation. The main takeaways are:
 - Backflow affects the flood area
 - The flood model is to inform the quantify of the infrastructure that is required to elevate the current flooding.
 - There are several bottle legs along the Laverton creek and the water is retarding naturally faster than it can drain downstream
 - The solution of the flooding mitigation needs to engage the entire downstream
 - Flooding concentrates at the three main location
 - Dexu – limited downstream drainage capacity and backing up
 - Robinsons Retarding Basin – water storage spills ones is full
 - Freeway and railway crossings – restricted drainage paths
 - Implications for the PSP:
 - With the drainage works delivered: potentially result in less conservative drainage performance criteria
 - Without the drainage works: potentially result in more conservative drainage criteria to avoid worsening downstream flooding impacts
- Ian Pham (MW) highlighted the key drainage works: the retarding basin and the 1800mm pipes/or channel along the freeway, however it is preliminary and is depending on the environmental restrictions.
- David Reginato (MW) – brought up the challenge of the Retarding Basin location for this area, however stated that Pelmin properties is potential perfect location for the retarding basin

7. Location (I): 106 & 220 Riding Boundary Rd's outfall

- The main objective for the Location (I) is to understand the development expectations at Pelmin Site and DTP, with regards to flow amount and outfall location. Additionally, there is opportunity to discuss Robinsons Retarding Basin and increasing the number of 1800mm pipes/channel for the conveyance.
- Stakeholder/Landowner Feedback:
 - Thomas Pollock (Pelmin Properties) – stated that they are at the information gathering stage, however highlighted that they are aware that there are potential impacts to their site and asked for their site not to be prejudiced.
 - Nigel Smith (DTP) – shared that Cristies and Ballarat Rd will be updated with the duplicate of additional lanes, however with 10-15 years plan.

- James C Bateman (DJCS) – wondered whether there are any risks to their site, as to the west of the prison facility there is some potential for the future land development.

8. Location (G): Status of the Retarding Basin

- Main objective for the Location G is to confirm the feasibility of the location for the Retarding Basin considering the insufficient storage, excavation issues, inflow/outflows, status of the sewer line and environmental investigations.
- Stakeholder/Landowner Investigations:
 - Greta Porras (MW) confirmed that MW have received correspondence from GWW and confirmed that it is an early stage for the sewer proposal. Greta mentioned possibility for GWW to join future workshops to gain further understanding from GWW side.
 - Ian Pham (MW) proposed an opportunity for the landowner/stakeholder engagement at Location G, with regards to level of capacity and infrastructure required.
 - Alex Macleod (Parks Victoria) – expressed interest in existing culverts and reserve within Location G, touching on the interest to know exactly where the proposed/final assets would be and their impacts on the area.

Summary of Presentation

- Summary Assumptions for each location:
 - (E): confirm the boundary change
 - (A): confirm the flow conveyance and the connections to downstream/upstream properties
 - (H): confirm the boundary conditions, invert levels and asset type
 - (D): review of existing railway culvert capacity
 - (I): confirm the conveyance flows and asset type
 - (G): confirm the design of the retarding basin required, opportunity to engage on the process.
- The main goal of these workshops is to collaborate and determine the key assumptions and boundary conditions which will inform the formal letter to VPA/DTP.
- Melbourne Water is keen to receive feedback and to provide opportunity for stakeholders and landowners to engage.
- Melbourne Water will continue the work, surveys and environmental investigations.
- The Ravenhall Precinct is complex and each location has its own challenges.

- Stakeholders/ Landowners are encouraged to share feedback on the drainage assumptions and processes.
- Overall, very good engagement from each stakeholder and landowner throughout the workshop.

Action Item

Future meetings	Person responsible	Deadline
Organisation of future separate meetings (if required)	Melbourne Water	TBC
Formal Letter to VPA/DTP	Person responsible	Deadline
Melbourne Water to continue the work on the Letter to VPA/DTP with established written assumptions based on workshops	Melbourne Water	TBC
Landowners'/ Stakeholders' Feedback	Person responsible	Deadline
Landowners and stakeholders are to provide feedback through email and/or through "Let's Talk" page; when it is established.	Landowners/ Stakeholders	TBC
