

1 MacKays to Peka Peka Expressway

North of Waikanae River

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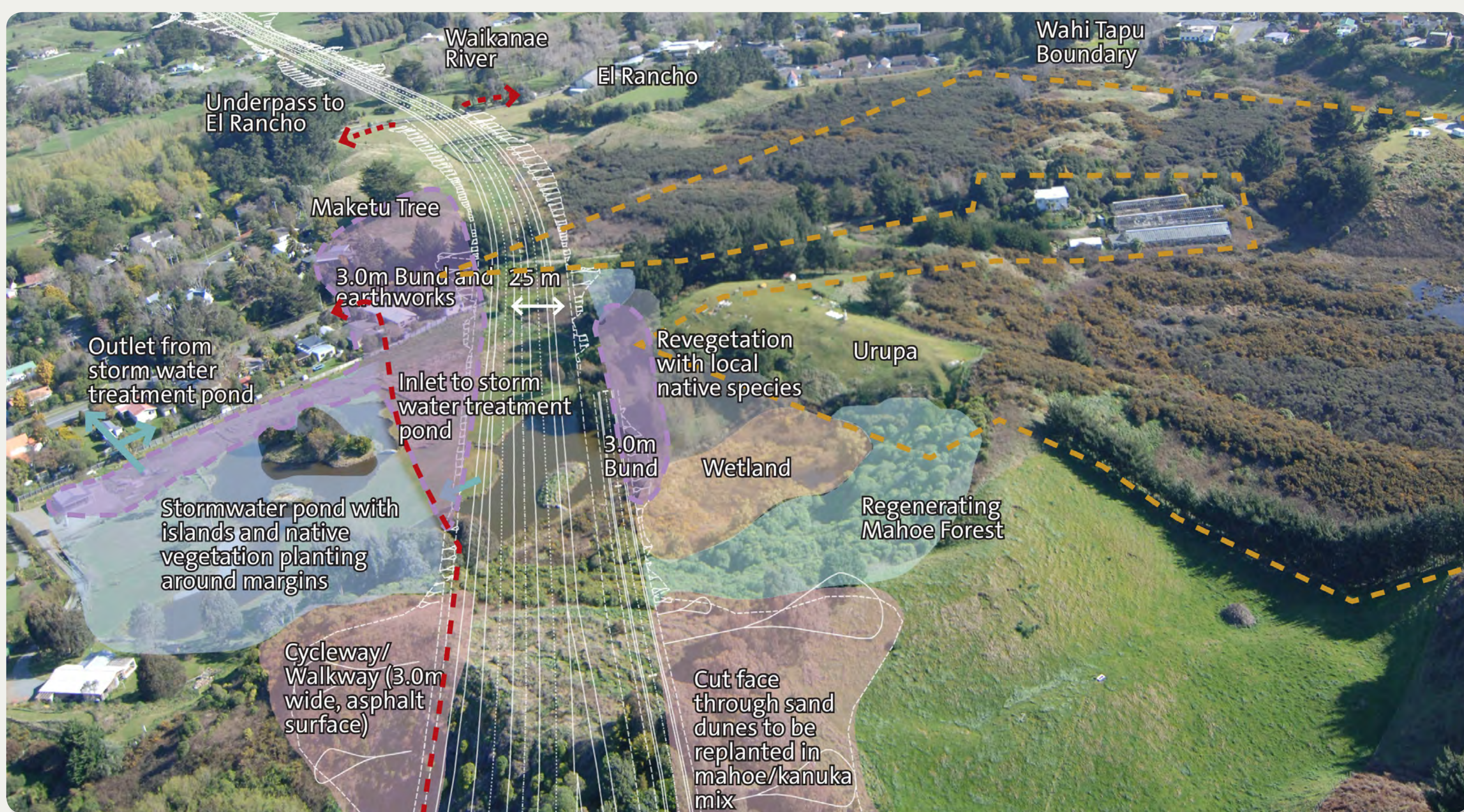
North of Waikanae River the expressway will curve around in a cutting on the west side of the Maketu tree. It will then run east of the high dune system.

The expressway follows the toe of this dune passing through the man-made ponds – at this point it is about 16m below the urupa (burial grounds). Past the urupa the expressway will be cut through the dune which faces east before proceeding to Te Moana Road.

The expressway runs to the east of the urupa but passes across a corner of the wāhi tapu area.

Considerations

- Rehabilitating the land by carefully reshaping affected dunes to forms that reflect the local landscape character.
- Retaining as much of the existing wetland areas as possible, extending them and replanting with locally-sourced native plant species to recognise the visual amenity, cultural, habitat and water management functions.
- Retaining areas of regenerating native forest and wherever possible extending, and joining existing areas and enhancing them to recognise their value as habitat and visual amenity.
- The use of noise barriers, bunds (earth mounds) and planting to recognise effects of the expressway on adjacent residential properties on Puriri and Kauri Roads.
- Working to determine the appropriate design including construction processes and protocols, to recognise that the wider area has cultural and archaeological significance.



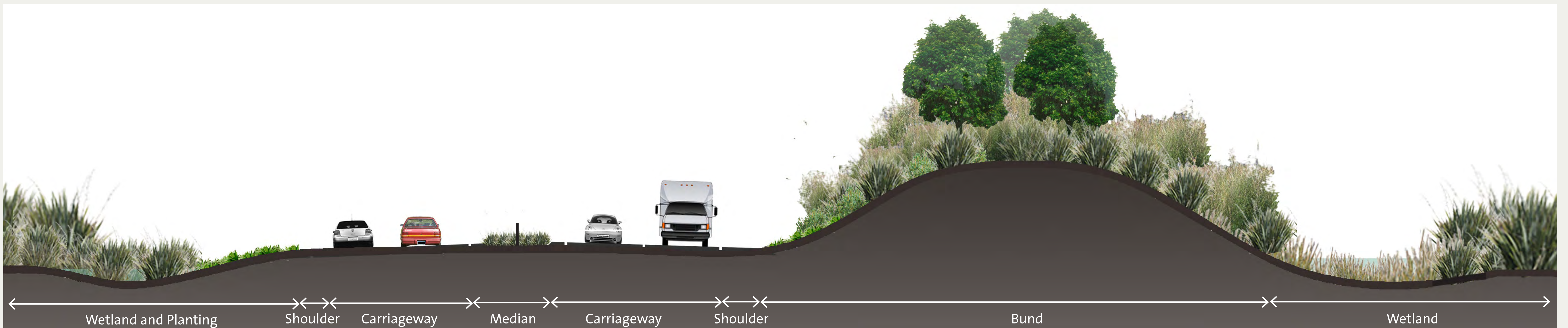
Aerial view looking south showing mitigation concept of stormwater wetland, existing wetland enhancement and revegetation.



Indicative aerial view of the expressway looking south. The urupa is visible on the grassed dune hilltop - before mitigation work.



The mitigation treatment includes the natural shaping of landforms and replanting with dense native planting. Noise barriers - bunds and walls - will also be incorporated in some areas with their design to respond to the adjacent property. The wetland areas will be extended and enhanced, and will have a stormwater management function.



Indicative cross section below the wāhi tapu area.