

Kingsgrove Noise Barrier Design

In response to local community and stakeholder feedback a number of changes have been made to the noise barrier design in Kingsgrove. Feedback was sought from the community and stakeholders during the following activities:

- Exhibition of the New M5 Environmental Impact Statement (EIS) from November 2015 to January 2016
- Consultation on noise barrier options adjacent to Rosebank Avenue, Armitree and Glamis streets in November 2016
- Exhibition of the New M5 Urban Design and Landscape Management Plan in April 2017
- Consultation on noise barrier options adjacent to Kirrang Street, Beverly Hills in June 2017.

During these consultation activities, local community members indicated a preference for non-transparent noise walls in areas adjacent to residential streets and requested the reinstatement of the noise mound adjacent to Rosebank, Armitree and Glamis streets.

Further information on the noise barrier design is provided in the key plan over the page.

Construction of the noise barriers on retaining walls along the eastbound carriageway will take place progressively over the coming months.

Update on noise mound design

In November 2016, feedback was sought from the community about the noise barrier design near Rosebank Avenue, Armitree and Glamis streets. Three noise barrier options were presented to the community.

Local community feedback demonstrated a preference for Option 1, constructing a noise mound similar to the mound that existed prior to the start of New M5 construction. The preferred solution was developed further in consultation with stakeholders including Roads and Maritime Services (RMS) and Canterbury Bankstown Council. Noise and engineering assessments were also carried out to develop the design of the noise mound.

As a result of engagement with the community, key stakeholders and detailed design development, a landscaped noise mound with low height solid concrete noise walls will be constructed in this area. This option balances the amount of flat open space to be returned to the community at the end of construction with the screening benefits of a mound.

Landscaping and urban design features associated with the mound will be detailed in an appendix to the New M5 Urban Design and Landscape Plan once finalised.



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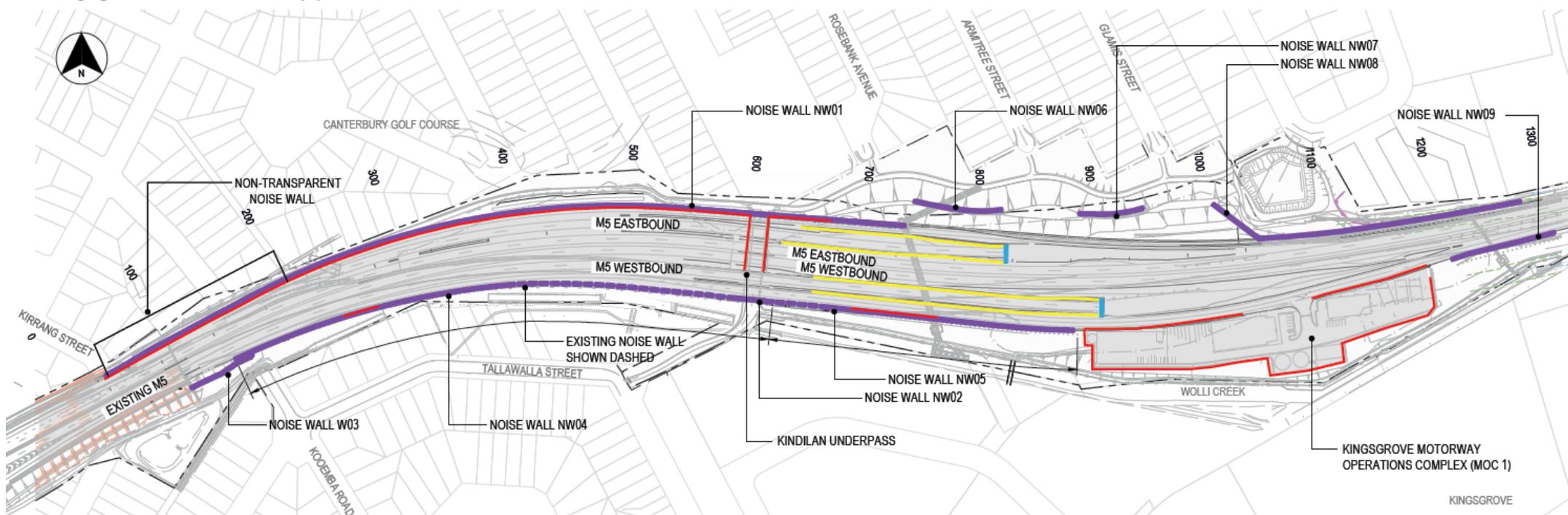


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Kingsgrove noise barrier key plan



Noise Wall	Material Type
NW01	Non-transparent acrylic noise wall on a retaining wall near Kirrang Street North, Beverly Hills.
NW02	Transparent acrylic noise wall on structure.
NW03, NW04, NW05, NW06, NW07, NW08, NW09	Solid concrete noise wall.

LEGEND

- PROJECT BOUNDARY
- DIVE WALL APPROACH
- PORTAL WALL
- RETAINING WALL
- NOISE WALL



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Noise mound cross section view

