

Note*: 1. The distance buffers on the map were derived by creating offsets from the proposed project footprint.
 2. Existing buildings indicated include, but are not limited to residential, rural and commercial buildings.



- Legend
- Observable Points
 - WMNZ Landholding
 - Proposed Fill Valley
 - Te Araroa Trail
 - Warkworth to Wellsford Indicative Alignment

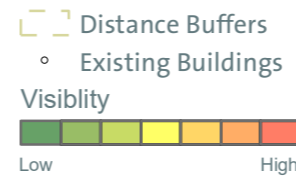
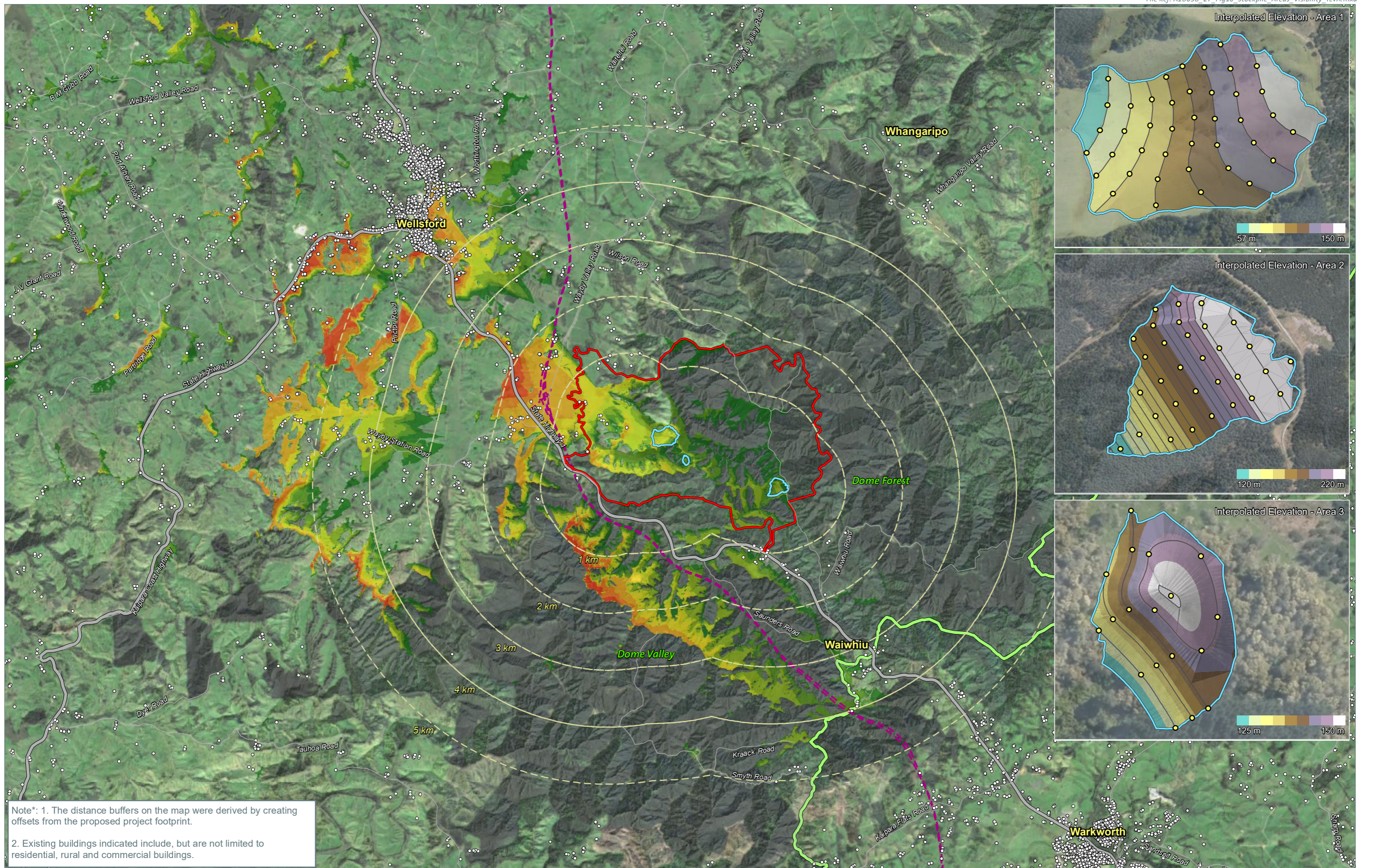


Figure 9: Visibility Analysis of the Proposed Fill Valley

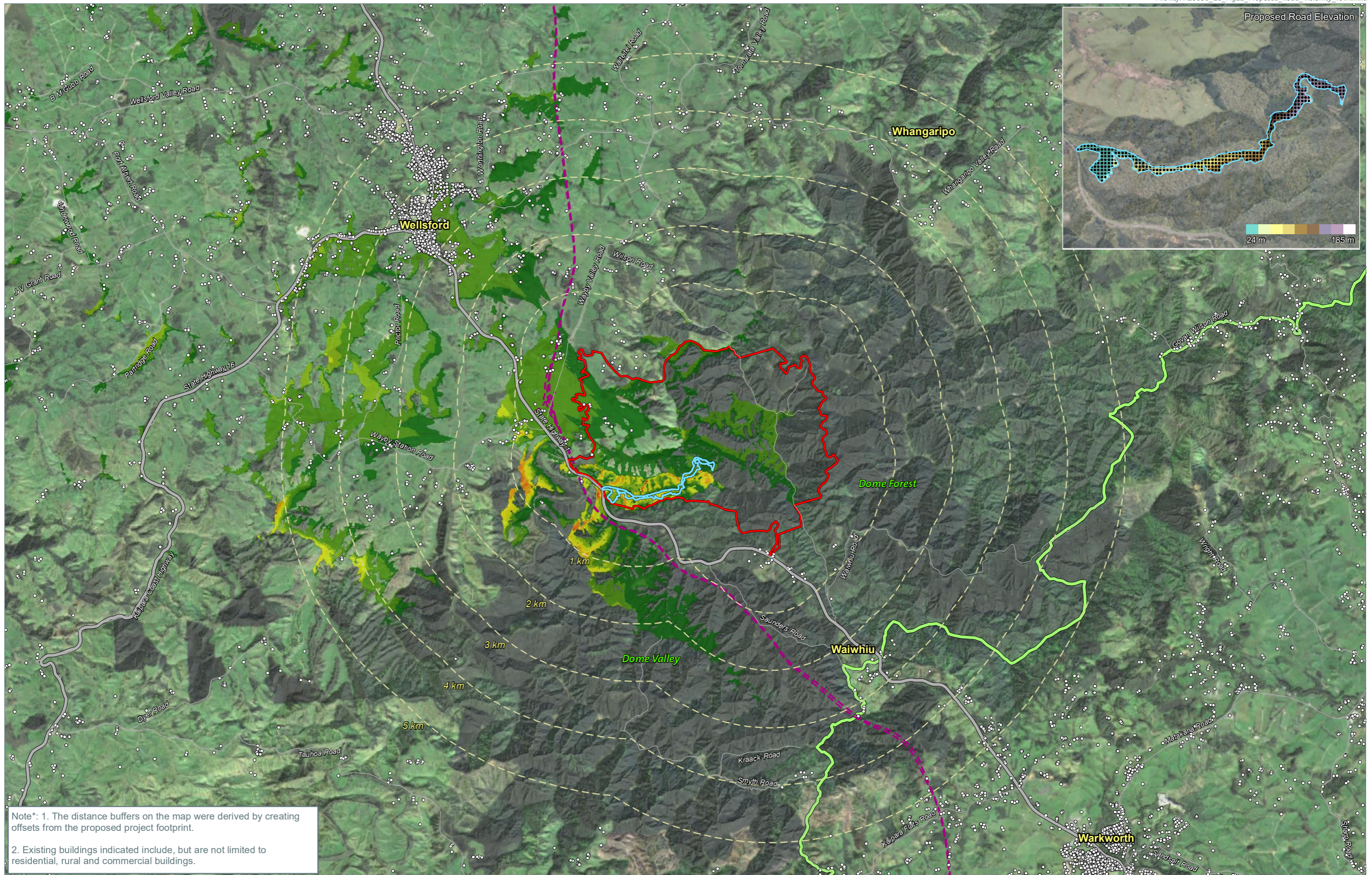


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- Legend
- Observable Points
 - WMNZ Landholding
 - Stockpile Areas
 - Te Araroa Trail
 - Warkworth to Wellsford Indicative Alignment
 - Distance Buffers
 - Existing Buildings
 - Visibility**
 - Low High

Figure 10: Visibility Analysis of the Proposed Stockpile Areas



Note*: 1. The distance buffers on the map were derived by creating offsets from the proposed project footprint.
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- Legend
- Observable Points
 - ▭ Proposed Road Extent
 - ▭ WMNZ Landholding
 - ▬ Te Araroa Trail
 - ▬ Warkworth to Wellsford Indicative Alignment

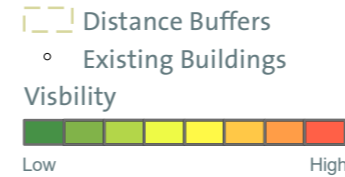
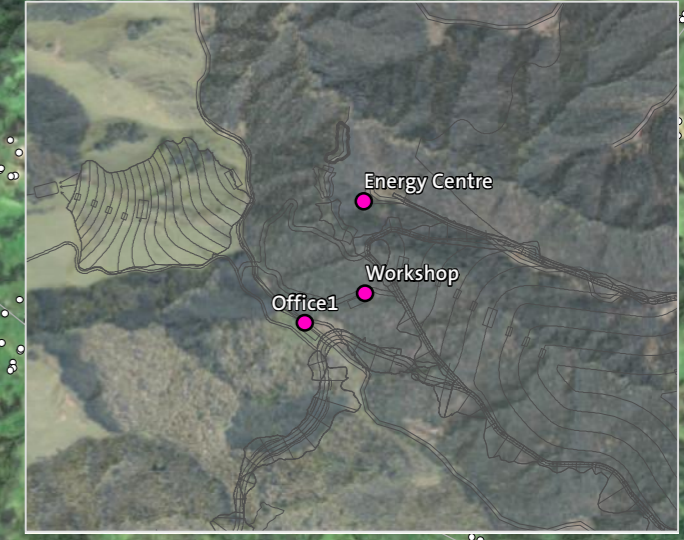
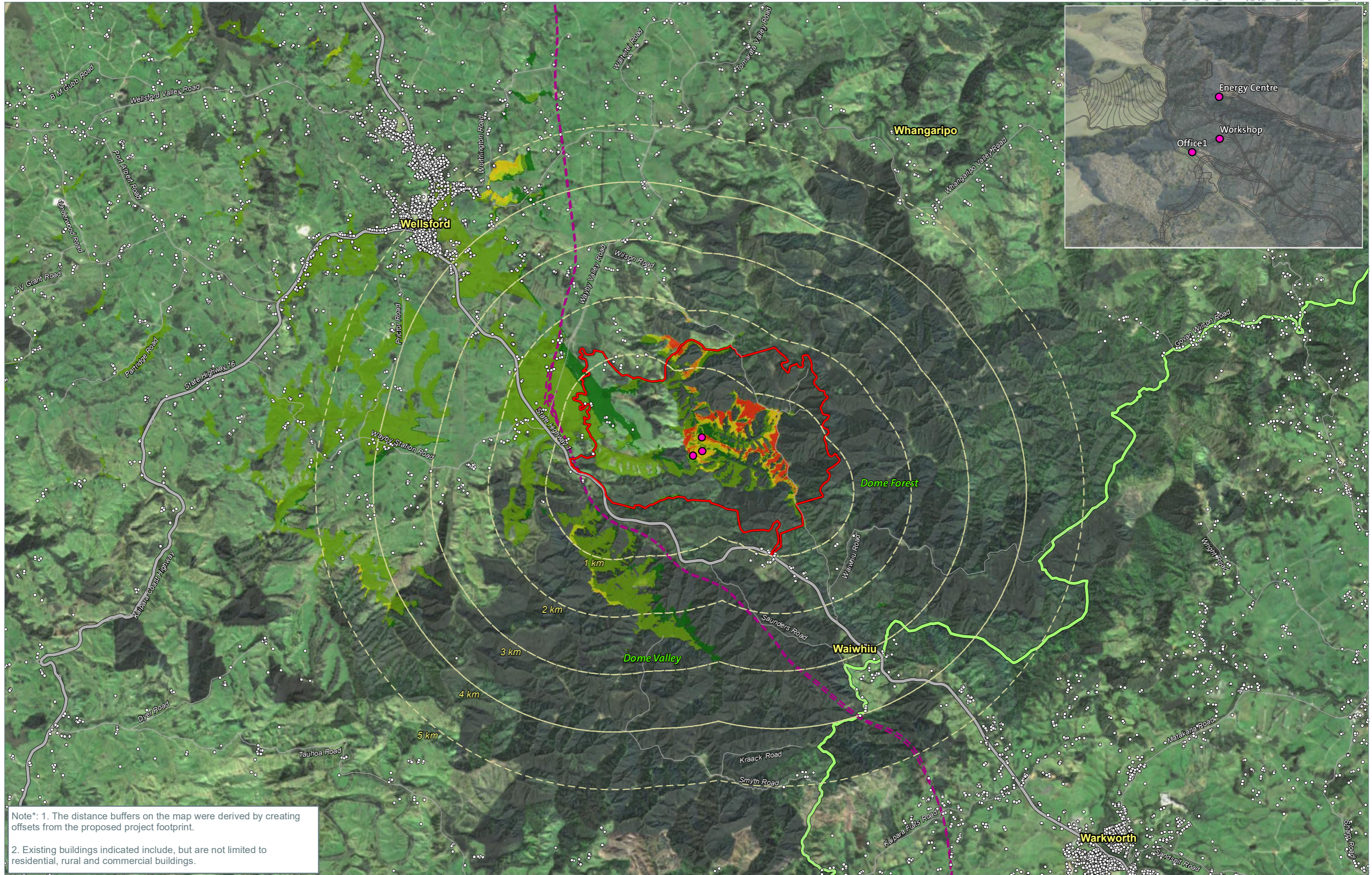
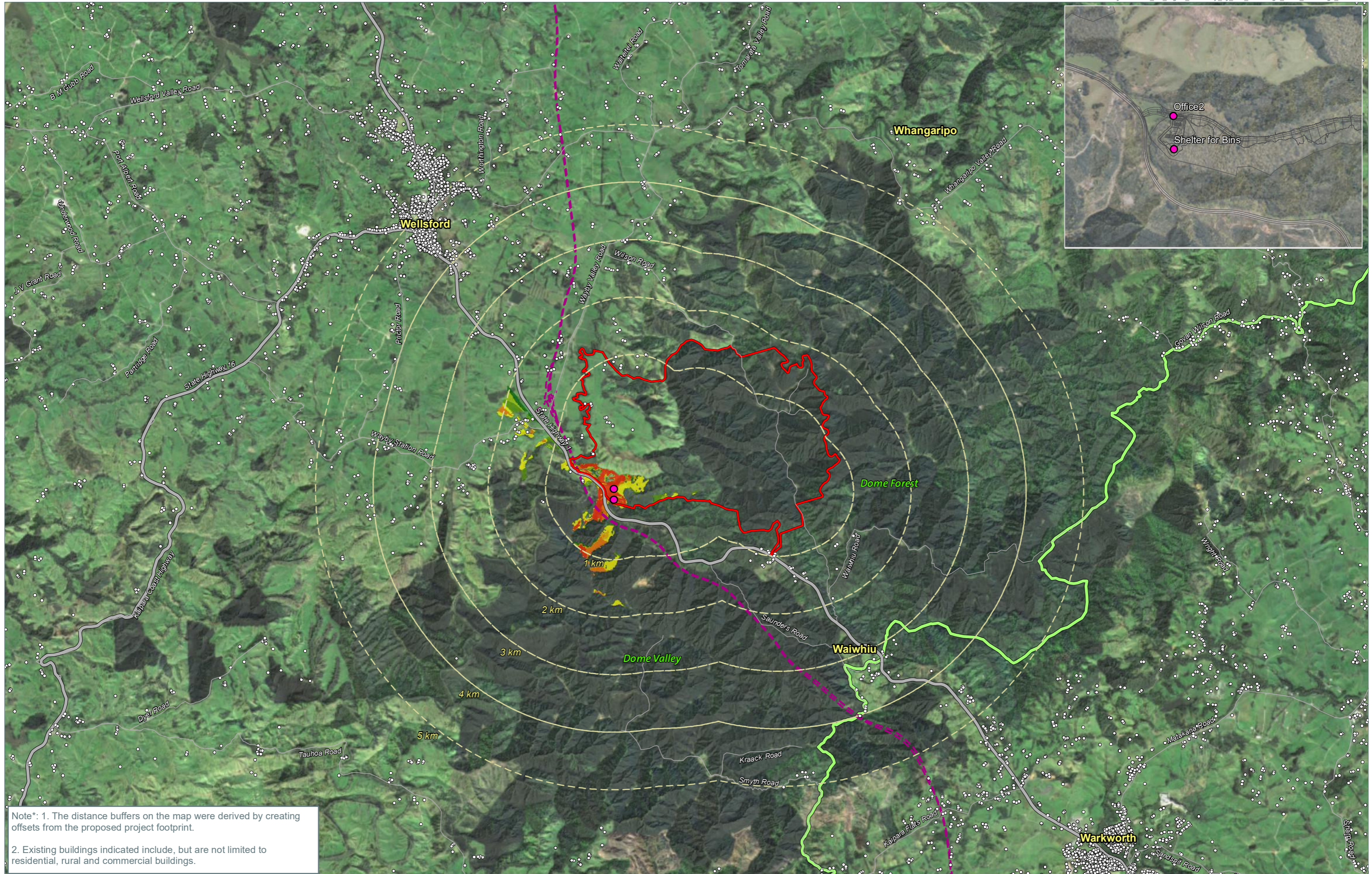


Figure 11: Visibility Analysis of the Proposed Road

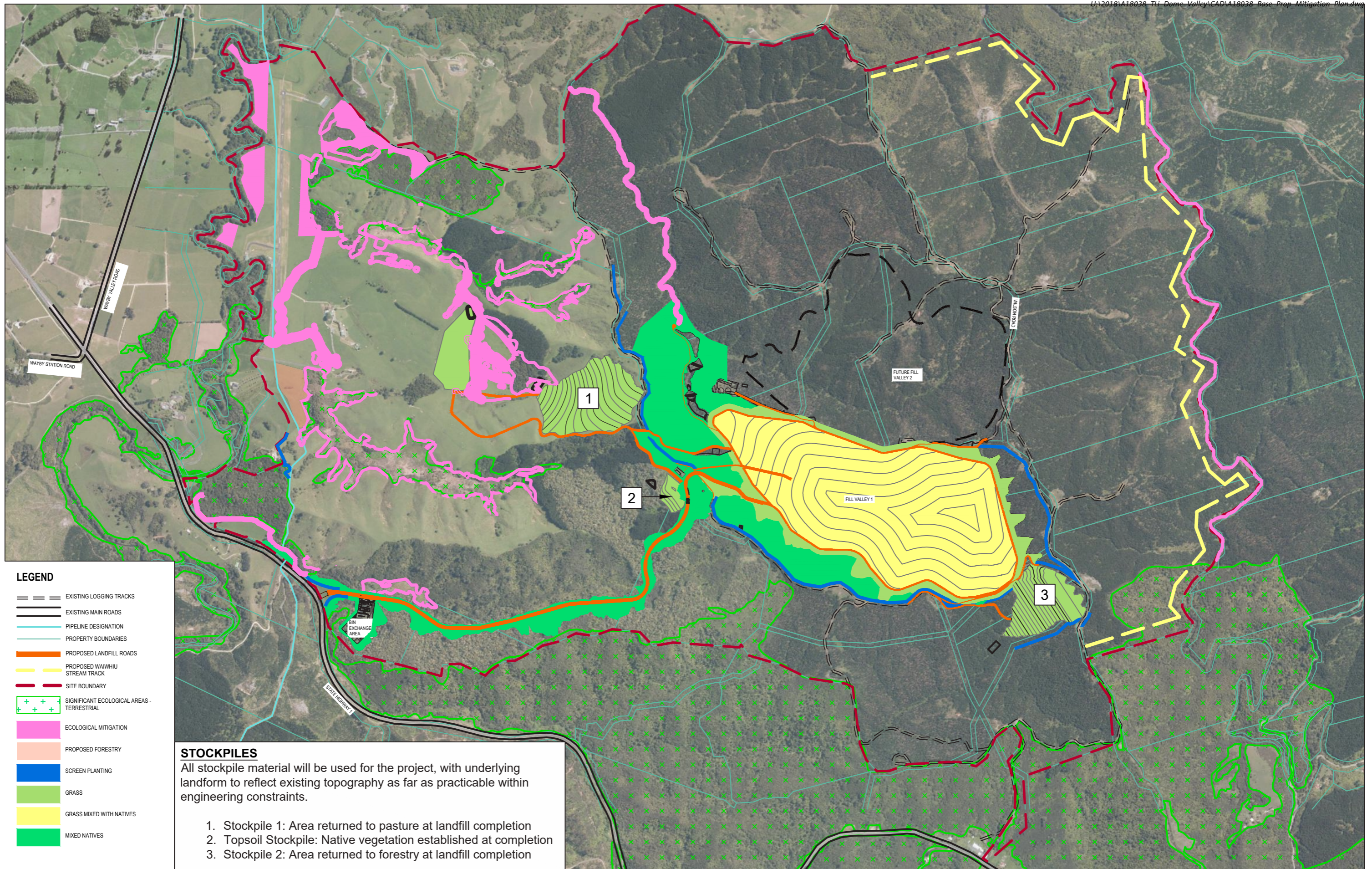


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Figure 13: Visibility Analysis of the Bin Exchange Area Buildings

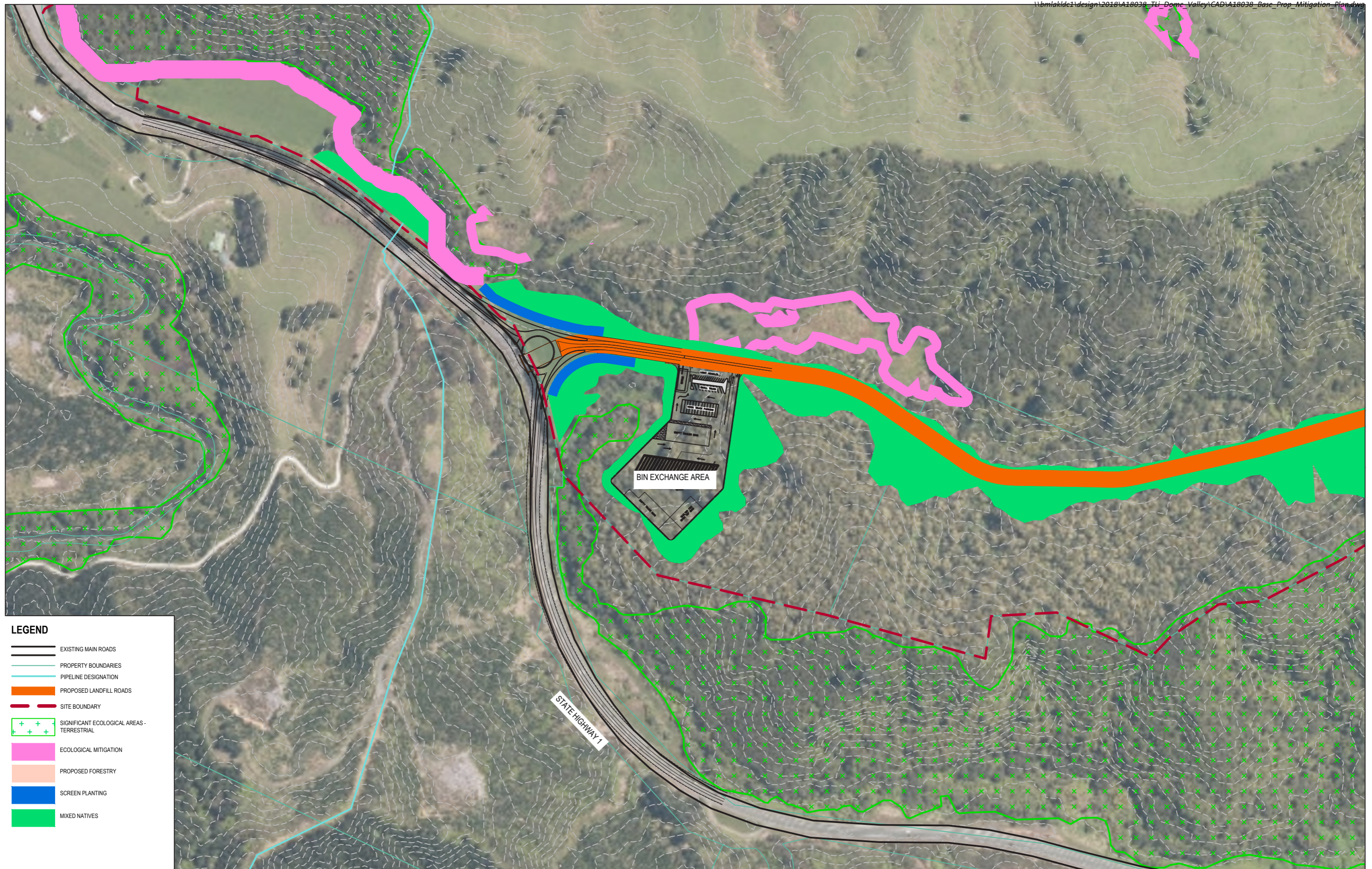


LEGEND











- == == == EXISTING LOGGING TRACKS
- == == == EXISTING MAIN ROADS
- == == == PIPELINE DESIGNATION
- == == == PROPERTY BOUNDARIES
- == == == PROPOSED LANDFILL ROADS
- == == == PROPOSED WAIWHIU STREAM TRACK
- == == == SITE BOUNDARY
- + + + SIGNIFICANT ECOLOGICAL AREAS - TERRESTRIAL
- ECOLOGICAL MITIGATION
- PROPOSED FORESTRY
- SCREEN PLANTING
- GRASS
- GRASS MIXED WITH NATIVES
- MIXED NATIVES

STOCKPILES
 All stockpile material will be used for the project, with underlying landform to reflect existing topography as far as practicable within engineering constraints.

1. Stockpile 1: Area returned to pasture at landfill completion
2. Topsoil Stockpile: Native vegetation established at completion
3. Stockpile 2: Area returned to forestry at landfill completion



LEGEND

-  EXISTING MAIN ROADS
-  PROPERTY BOUNDARIES
-  PIPELINE DESIGNATION
-  PROPOSED LANDFILL ROADS
-  SITE BOUNDARY
-  SIGNIFICANT ECOLOGICAL AREAS - TERRESTRIAL
-  ECOLOGICAL MITIGATION
-  PROPOSED FORESTRY
-  SCREEN PLANTING
-  MIXED NATIVES