

Matter	Key Points
Current landscape character of the site and surrounds	<p>The current landscape character of the proposed quarry and surrounds as identified within section 4.0 in my evidence remains unchanged.</p> <ol style="list-style-type: none">1) The receiving environment of the proposed quarry forms part of the lower plains landscape which is predominantly flat, except where broken in places by river beds. The landscape is predominantly rural in nature with activities including both intensive and pastoral farming. Large open paddocks are often delineated with exotic shelter belts, providing dense screening.2) The openness of the rural Templeton area surrounding the proposed quarry, with expansive views towards the Southern Alps, is greatly valued by residents and the wider community.3) Although a modified landscape, I consider that the receiving environment of the proposed quarry has a moderate level of landscape character and visual amenity due to the open rural character.
Potential Effects on Landscape Character	<p>The potential effects on landscape character of the proposed quarry as identified within section 5.0 in my evidence remains unchanged.</p> <ol style="list-style-type: none">4) The potential effects will be during the establishment phase of the proposed quarry while mitigation planting is establishing.5) As full screening of the earth bunds is achieved, the potential adverse impact on landscape character will decrease.6) Post rehabilitation, as the end use of the site is unknown, there is a risk that established shelter belts surrounding the proposed quarry could be removed exposing earth bunds or the alterations to the topography resulting from extraction activities. There is a possibility of a significant depression being exposed in a relatively flat landscape.

<p>Potential Effects on Visual Amenity</p>	<p>The potential effects on visual amenity of the proposed quarry as identified within section 5.0 in my evidence remains unchanged.</p> <p>7) The open views of the rural landscape will be adversely affected by the proposed quarry. In my opinion, earth bunds are not an expected feature in the rural open plains landscape, they are an un - natural, modified feature that signals an activity is occurring behind them.</p> <p>8) Mitigation planting will need to provide full screening of the earth bunds and the quarrying activity taking place behind them, particularly in locations where there are no existing established shelter belts.</p> <p>9) The adverse effects of the proposed quarry on both landscape character and visual amenity will be greatest during the establishment period until the earth bunds are fully screened with shelter belt planting.</p>
<p>Recommended Mitigation</p>	<p>My position on the recommended mitigation provided by the applicant has changed as a result of expert conferencing. The JWS incorporates the majority of concerns raised within sections 6.0, 7.0, 8.0 and 10 in my evidence, these sections will no longer be relevant if what has been agreed within the JWS in relation to the bund and planting is accepted by the Commissioners.</p> <p>The following has been agreed to within the JWS;</p> <p>10) The bund should be constructed in its entirety prior to the commencement of Stage 1 quarrying activities as per the application.</p> <p>11) The following changes should be made to conditions and the Landscape Management Plan:</p> <p style="padding-left: 40px;">(i) Condition 13f, 80% grass cover required. The condition would now read <i>‘The grassed bunds shall be watered, when required to suppress potential dust until a grass cover has been established. An 80% grass cover is to be maintained on earth bunds at all times during quarry operations.’</i></p>

	<p>(ii) Under 5.2 of the Landscape Management Plan, the establishment period is to remain at 2 years, however the temporary irrigation system must be maintained for a minimum of 5 years following planting.</p> <p>12) An additional line of shelter belt planting should be established where there are no existing established shelter belts. The additional row of shelter belt planting be added to Row 3 (refer to Edge Treatment D, page 22 of LVIA Graphic supplement) and that the rows are offset from one another.</p> <p>13) The critical means to establish and manage the planting is through the Landscape Management Plan (LMP). The matters addressed in paragraph 70(a-f) of Mr Robertson’s evidence are to be incorporated into the Certified LMP.</p> <p>14) If the above recommendations agreed within the JWS are accepted by the Commissioners, in particular, extending the irrigation period to 5 years to assist with plant establishment in a harsh open environment, and an additional line of shelter belt planting to ensure a faster and denser planting is established on boundaries where there are currently no existing shelter belts, then the recommendations within sections 8.2 (b) and 9.2 in my evidence will no longer be relevant.</p>
<p>Post Rehabilitation</p>	<p>Post Rehabilitation, the final land use is unknown. It is also unknown if the earth bunds will be retained or not.</p> <p>15) The JWS recommends the following in regards to boundary treatment post rehabilitation:</p> <p>The bund should be removed once operations of the quarry ceases, and as part of the rehabilitation plan. The Edge Treatment planting should remain in place until the bunds are removed and establishment of grass cover is achieved over any disturbed land. This should be reflected in a condition of consent. A possible wording of this condition is: <i>‘Once operations of the quarry cease, the perimeter bunds are to be removed as part of the rehabilitation works. The edge treatment plantings (shelter belts) shall remain until grass cover has established over any disturbed land’.</i></p> <p>16) If the Commissioner’s decision includes the recommended condition as per the JWS, the concerns I have raised in section 9.3 in my evidence will no longer be relevant as this condition would give certainty against adverse effects until quarry operations cease. Bund material could be used to soften the edges of the quarry excavation.</p> <p>17) If the recommended condition is not accepted by the Commissioners, the recommendation in section 9.3 in my evidence, that the existing</p>

	<p>and proposed shelter belts should be retained post rehabilitation to ensure any potential adverse landscape character effects are limited remains unchanged.</p> <p>18) This may be achieved by requiring a covenant so that any future land owner must retain the shelter belts, or replace them in the event of their removal or failure.</p>
Recommended Amendments to Consent Conditions	<p>Following expert conferencing the recommended consent condition amendments within section 10 of my evidence are no longer relevant, they have been covered by the recommendations in the JWS.</p>