

Appendix A: Disposal Sites

General

- 10.1 The amount of fill requiring disposal as determined by calculation is 115,000m³. During the earthmoving operation, the excess excavated material will be disposed of at approved disposal site locations. In addition, at some locations additional material may be added to the disposal sites to aid localised shaping with the adjacent ground to blend in the construction works.
- 10.2 A number of possible disposal sites have been identified and examples of these are described below. The required area to dispose of the surplus is 350m square for a disposal depth of 1m. Site disposal areas to accommodate this landscaping fill are available. The extent and amount of fill at disposal locations will be reviewed and determined during the detailed design phase and reconfirmed prior to construction. During the detailed design process an ecologist and geotechnical engineer or engineering geologist will also inspect the disposal sites and assess the selected ones for general suitability. Investigations will be carried out as necessary to allow this assessment.
- 10.3 All of the proposed disposal sites can be accessed from the main access road. In addition, these sites are generally located either on flat ridges surrounded by limestone pavements or at the upper ends of dry valleys and gullies.
- 10.4 The disposal sites have been chosen to avoid ecologically sensitive areas. Consequently, areas of native vegetation and rock pavement have been avoided and the disposal sites will be located on sites that are vegetated with grass and are generally grazed by sheep and cattle.

Disposal area at base of access road

- 10.5 The disposal area for access road surplus disposal is sited at the foot of the access road just before the road begins to climb up the hill. This area is to the east of the road at Station 400m to 700m and is marked up on drawing Z1357201/60. The station numbers are distances from the start of the road and are shown on the plans of the road at right angles to the road centreline. A photograph of the area is shown below.



Disposal site at base of access road

- 10.6 The site is screened from the north and west by the terrain and from the south and Mt Cass Road by trees. The site is open to the east as shown in the photos. The disposal area will be stripped of topsoil, slopes benched, underdrainage placed in gullies and the surplus fill placed and shaped to reflect the existing landform. A silt trap would be placed in the gully to the east of the fill site for sediment control and when the fill is complete the top soil will be re-spread over the fill and re-established as pasture. Disposal volumes in this area are in the order of 30,000m³ but other sites along the ridge road will be used to reduce the haul distance for surplus from the ridge road earthworks.

Ridge Road disposal site at Station 100

- 10.7 There is a suitable disposal site to the north of the proposed road at Station 100. This is a large area of gently sloping land. The proposed area is shown in the photograph below. Disposal volumes in this area are in the order of 7,500m³ (150m x 50m x 1m).



Possible disposal site at St 100

- 10.8 This site is more visible than the others but offers a wide expanse of gently sloping land. Fill depths would average about 1m depth so as not to significantly alter the existing landforms.

Ridge road disposal site at St 2700

- 10.9 Disposal at this site could be achieved by placing the surplus fill on both sides of the road and filling along the gully but away from the gully edges. The gully is well shielded by terrain as shown in the photograph below.



Gully at St 2700

- 10.10 Disposal quantities in this gully at 2m deep are approximately 12,000m³ (200m x 30m x 2m). This fill would be contoured, topsoiled, and planted.

Ridge road disposal site at St 3050

- 10.11 Disposal at this site could again be achieved by placing the surplus fill on both sides of the road and filling along the gully but away from the gully edges. The gully is again well shielded by terrain as shown in the photograph below.



Gully at St 3050

- 10.12 Disposal quantities in this gully at 2m deep are approximately 4,000m³ (100m x 20m x 2m). This fill would be contoured, topsoiled, and planted.

Ridge road disposal site at St 3325

- 10.13 This site is a gully which the proposed road passes through on a deep fill section. Disposal at this site could be achieved by locally flattening the batter slopes and placing the surplus fill on both sides of the road and within the gully but away from the gully edges. The gully is well shielded by terrain as shown in the photograph below.

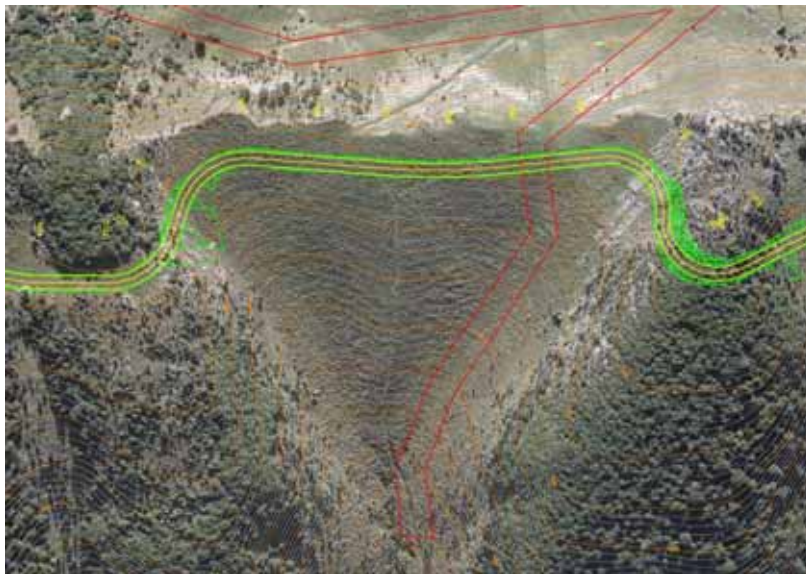


Gully at St 3325

- 10.14 There are sinkholes in this gully and the fill will need to stop short of these sinkholes or the sinkholes sealed prior to fill placement over. Volumes available to dispose in this area are dependant on the approach taken to the sinkholes.

Ridge road disposal site at St 3750

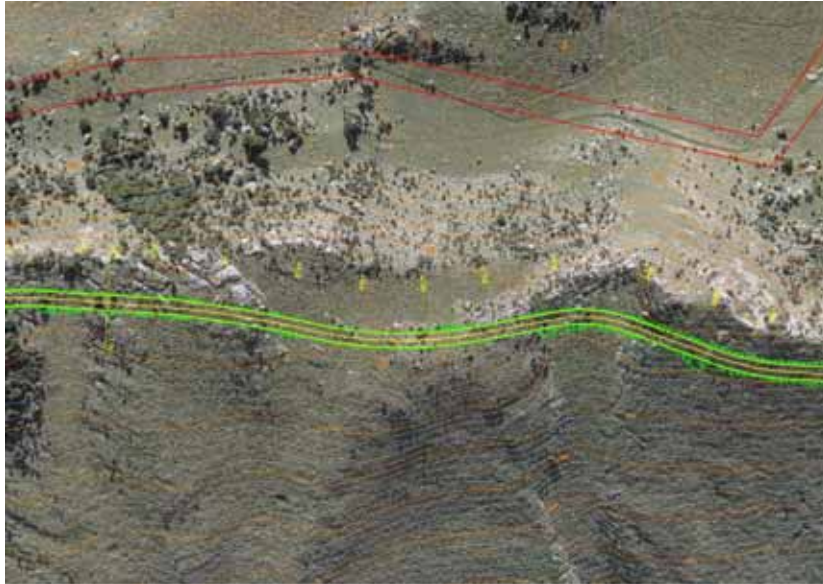
- 10.15 There is a suitable disposal site to the south of the proposed road at Station 3750. This is a large triangular shaped gully. The proposed area can be seen in the aerial photograph below. Disposal volumes in this area are in the order of 30,000m³.



Gully at St 3750

Ridge road disposal site at St 4650

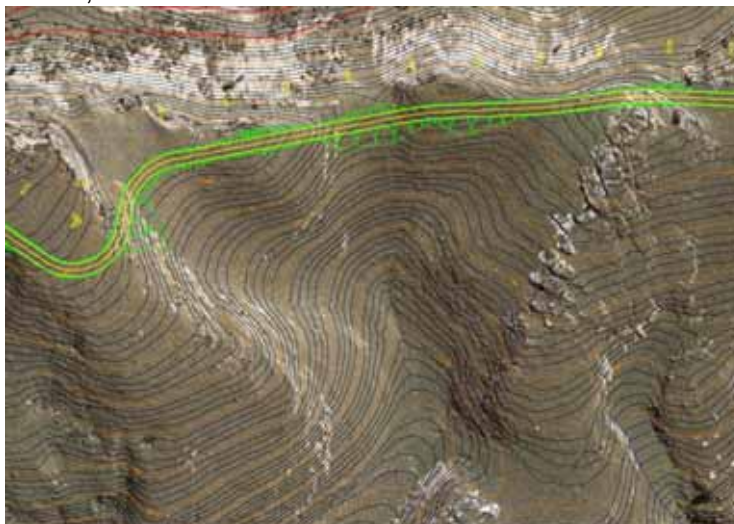
- 10.16 Surplus fill can be placed on the gently sloping ramp on the north side of the road at Station 4650. The proposed area can be seen in the aerial photograph below. Disposal volumes in this area are in the order of 6,000m³ (200m x 30m x 1m).



Gently sloping land to north of road at St 4650

Ridge road disposal site at St 5500

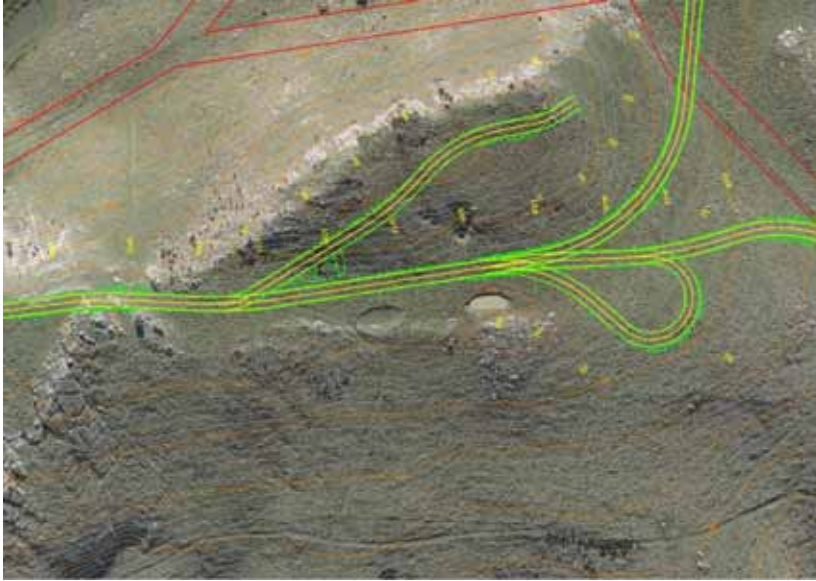
- 10.17 There is a suitable disposal site to the south of the proposed road at Station 5500. This is a large triangular shaped gully. Whilst the central section is steep the two side gullies will form suitable areas for disposal. The proposed area can be seen in the aerial photograph below. Disposal volumes in this area are in the order of 20,000m³.



Gully at St 5500

Ridge road disposal site at St 6200

- 10.18 Fill can also be placed on the long narrow flat area alongside the road at Station 6200. The proposed area can be seen in the aerial photograph below. Disposal volumes in this area are in the order of 9,000m³ (300m x 20m x 1.5m).



Long flat narrow area adjacent to road at St 6200