

The top surfaces of these storage areas will be maintained with a very slight grade away from the outslope so as to minimize runoff running over the outslope, thus controlling erosion. Runoff generated from the outslopes of the overburden/interburden storage areas will be controlled by armoring placed within the contact between the pile and the native slope (essentially forming a triangular channel-type feature), and by installing a rip-rapped energy dissipater at the toe (Figure 2a). As all of the topsoil will be salvaged for final reclamation, only minimal quantities of fine-grained particles will be placed in the dumps. Broken rock material has a very low siltation potential and will effectively encapsulate the finer material initially placed in the overburden/interburden storage areas, as noted above. The coarser materials will typically end up near the toe of the expanding fills as the dump sites are filled to their maximum capacity. The concentration of coarse materials at the toe of the fills provides a natural energy dissipater for storm runoff from the faces of the dumps. Typical design drawings are included in Figure 2a. These structures, as with all site best management practices (BMPs), will be maintained to ensure that they are functional. See further discussions below in Section 109.4.

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When the overburden/interburden storage areas are filled to capacity, their exposed faces will be contoured (to an overall slope of 2.5-3H:1V) to blend in with adjacent canyon wall slopes as indicated on the Reclaimed Mine Contour Plan (Figure 9). Short segments within the overall slope will be steeper than the overall slope, however no portion of the reclaimed slopes will be steeper than 35°. Both the overall slope and any individual slope segments will be well below 45°.

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106.3. Disturbance

The following acreages will be disturbed by mining (see Figure 2 for their locations):

Table 1: Disturbance Areas

Facility	Area
Plant Site including Office and Processing facilities	15 acres
Plant perimeter road	5.5 acres
Haul Road Segment #1	5.5 acres
Haul Road Segment #2	0 acres*
Haul Road Segment #3	3.0 acres
Haul Road Segment #4	0 acres**
Haul Road Segment #5	3.0 acres
North (Opening) Pit	62 acres
West Pit	31 acres
Overburden/interburden storage area 1	36 acres
Overburden/interburden storage area 2	34 acres

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Topsoil storage areas	18 acres
Total	213 acres

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* Acres for Haul Road Segment #2 are integral to Overburden/interburden storage area 1;
 ** Acres for Haul Road Segment #4 are integral to Overburden/interburden storage area 2.

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