

# **Mountain Ash Limited Partnership Summit Pit**

SLR Project No: 212.06650.00006

April 2021





#### Stripping and Grading Plan

Mountain Ash Limited Partnership Rocky View County, Alberta SLR Project No: 212.06650.00006

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for

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April 2021

This document has been prepared by SLR Canada. The material and data in this report were prepared under the supervision and direction of the undersigned.

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#### 1.0 INTRODUCTION

Mountain Ash Limited Partnership (Mountain Ash) is planning to develop the Summit Pit (the Project) along Highway 567 within NW and SW 31-026-03 W5M, northeast of the Town of Cochrane, in Rocky View County (RVC), Alberta (Figure 1). The Project will encompass approximately 208 acres (84 ha) excluding existing road rights-of-way. Mountain Ash is applying for Phase 1 of a six-phase mining plan. This land is currently owned by 1410266 Alberta Ltd. (a general partner of Mountain Ash). Summit Pit received land use and a master site development plan (MSDP) approval on March 2, 2021 (Land Use Bylaw C-8051-2020).

#### 2.0 STRIPPING AND GRADING ACTIVITIES

The portion of the pit to be used shall be cleared and grubbed, and the area from which materials are to be taken shall be stripped of topsoil and overburden as provided in Section 3 and outlined in the soil conservation and reclamation plan. Stripping at the site shall consist of the removal, after clearing and grubbing, of the surface material and overburden which is unsuitable for the kind of material to be borrowed or produced for use. Materials from stripping, to be used later as provided on the site reclamation plan, shall be deposited within the pit at such a location as not to interfere with future development within the site.

Before placing aggregates upon the stockpile site, the site shall be cleared of vegetation, trees, stumps, brush, rocks, or other debris and the ground leveled to a smooth, firm, uniform surface. The debris resulting from clearing and preparing the site shall be disposed of according to the vegetation and soil management plan and outlined in Bylaw C-8051-2020.

All Stripping and grading activities will follow Bylaw C-8051-2020 as issued and commitments made under the visual screening plan, erosion and sedimentation control plan and the Soils Conservation plan.

## 3.0 QUANTITIES

Table 1 Quantities of Non-Mineral Materials to be Stripped

Phase	Surface Area	Topsoil	Subsoil	Overburden	Total	Average Overburden Thickness
1	138,958 m²	34,740 m³	27,792 m³	322,182 m³	384,714 m³	2.32 m
2	151,950 m²	37,987 m³	30,390 m³	503,843 m³	572,220 m³	3.32 m
3	152,053 m²	38,013 m³	30,411 m³	747,321 m³	815,744 m³	4.91 m
4	116,958 m²	29,239 m³	23,392 m³	396,206 m³	448,837 m³	3.39 m
5	159,617 m²	39,904 m³	31,923 m³	418,809 m³	490,637 m³	2.62 m
6	84,179 m²	21,045 m³	16,836 m³	333,627 m³	371,507 m³	3.96 m
Total	803,715 m <sup>2</sup>	200,929 m³	160,743 m³	2,721,988 m³	3,083,660 m³	3.39 m

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Table 2 Quantities of Materials used to Reclaim Site Post Mining

Phase	Surface Area	Topsoil	Subsoil	Overburden & Rejects (@15% Gravel)	Total
1	138,250 m²	34,562 m³	27,650 m³	1,771,835 m³	1,834,047 m³
2	152,319 m²	38,080 m³	30,464 m³	433,853 m³	502,396 m³
3	152,783 m²	38,196 m³	30,557 m³	908,427 m³	977,180 m³
4	117,069 m²	29,267 m³	23,414 m³	476,242 m³	528,923 m³
5	159,401 m²	39,850 m³	31,880 m³	349,914 m³	421,644 m³
6	83,687 m²	20,922 m³	16,737 m³	284,330 m³	321,989 m³
Total	803,509 m²	200,877 m³	160,702 m³	4,224,601 m³	4,586,180 m³

#### 4.0 STATEMENT OF LIMITATIONS

This report has been prepared and the work referred to in this report has been undertaken by SLR for Mountain Ash Limited Partnership., hereafter referred to as the "Client". The report has been prepared in accordance with the Scope of Work and agreement between SLR and the Client. It is intended for the sole and exclusive use of the Client. Other than by the Client and as set out herein, copying or distribution of this report or use of or reliance on the information contained herein, in whole or in part, is not permitted without the express written permission of SLR.

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