

CONSTRUCTION MANAGEMENT PLAN



MOUNTAIN ASH
• LIMITED PARTNERSHIP •

SUMMIT PIT
PHASE 1 DEVELOPMENT PERMIT APPLICATION

APRIL 2021

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1.0 Construction Management Activities

Construction management activities are broken down into two categories:

- Onsite construction, and

Each of these construction activities may proceed once a conditional development permit has been issued. All on-site construction activities will be managed by Mountain Ash Limited Partnership (MALP), while offsite construction related activities will be managed for MALP by others. All offsite related construction activities will be completed first, followed by onsite related construction and development.

It is expected that the County will require a detailed Construction Management Plan be provided by the contracting engineer as a condition of development permit approval at each phase of the Project. For the purposes of the Phase 1 development permit application, the following is a summary of how construction activities for the required on and off-site improvements are expected to be implemented in accordance with the development permit approval conditions.

1.1 Off-Site Improvements

Highway 567 / Range Road 40 Intersection Upgrade & Paving of ± 200 m Portion of Range Road 40

START: Upon receipt of an approved development permit with Conditions Prior to Issuance.

- One (1) week notice will be given to residents located within ±1,600 m of the Project area
- Construction Manager: WATT Consulting Group, Transportation Engineer
- Tender Authority: WATT Consulting Group
- Owner: Alberta Transportation / Rocky View County
- Development Authority: Rocky View Council
- Duration: Day 0 to Day 12
- Critical Path: Start to Finish

1.2 On-Site Improvements

All onsite construction management activities will be managed and tendered by MALP

Activities related to the development and construction of the Summit Pit include landscape maintenance including weed maintenance, infrastructure maintenance which includes removing tracked-out debris from paved surfaces, watering of internal haul routes, gravel crushing and stockpiling, aggregate loading, scaling of aggregate products for sale and delivery, and progressive reclamation of prior disturbances.

START: Once off-site improvements have been completed and inspected by AT and RVC.

Activity 1: Stripping and Grading of Scale Area/Refuelling Area – Berm Construction

- Topsoil will be stripped and placed along the south side of wetland area. Area to be stripped is 100 m x 150 m adjacent to Range Road 40. (± 1 day)

Activity 2: Stripping and Grading of Internal Access Road to Phase 1 – Berm Construction

- Topsoil will be stripped and placed along south and east side of wetland area. (± 1 day)
- Internal road begins at the scale area and is stripped ± 8 m wide and ± 650 m long to provide access to the Phase 1 mining and excavation area. (± 3 days)

Activity 3: Stripping of Phase 1 - Berm Construction

- Topsoil will be stripped and placed along south boundary of Phase 1, Phase 6 and possibly east property line if there is a surplus of material. (± 3 days)
- Overburden stripped and placed along Phase 1 and Phase 6 south boundary and possibly east property line if there is a surplus of material. (± 3 days)

Activity 4: Prepare Subgrade (Scale Area, and Internal Access Road)

- Compaction equipment will be used to prepare the clay subgrades for both scale area and internal haul road. (± 4 days).

- Run power, underground, from Range Road 40 power line to scale location. (± 2 days)

Activity 5: Place, compact and Grade Gravel Base (Scale Area and Access Road)

- Screen or import, place, grade, water and compact D6-80mm gravel subbase. Lift 350mm. (± 7 days)
- Crush or import, place, water and compact D2-40mm or D2-25mm gravel base. Lift 120mm. (± 7 days)
- Final Grade and apply Calcium Chloride to all gravel surfaces. (± 2 days).

Activity 6: Pave Scale Area and Install Scale Infrastructure

- Pave scale infrastructure area, 100m x 50m. Lift 125mm, City of Calgary Commercial B Mix or other mix specified by RVC. (± 1 day)
- Pour concrete footings, install Portable Scale (85ft) and Scale House/Shack. (± 14 days days)

Activity 7: Hydroseed Berms and Landscaping

- Hydroseed berms and plant trees, shrubs, and perennials along Highway 567. (± 7 days)
- Install Summit Pit sign. (± 1 day)

Total duration of all onsite construction activities from start to finish is estimated at ± 26 days. No aggregate materials will be sold or removed from the site until a final approvals are obtained from Rocky View County and Alberta Environment.