

Ranch Quarry Surface Mine

Project Summary

An approximate 70 acre open pit rock quarry is proposed off of South Pass Road in Sumas, Washington. The proposed quarry will be comprised of a portion of five parent parcels which total approximately 108 acres, all located within the Mineral Resource Lands (MRL) overlay district. A parcel summary table is provided below.

Parcel Number	Ownership	Parcel Size	Zoning
400518 479443 0000	Cascade Madera, LLC	~10 acres	Rural Forestry
400518 488379 0000	Siper Ag, LLC	~25.4 acres	Rural Forestry
400518 466281 0000	Beli Acres, LLC	~20.64 acres	Rural Forestry
400517 049475 0000	H&H Investment Properties, LLC	~20.37 acres	R10A
400517 118447 0000	Siper Ag, LLC	~32.20 acres	R10A

The subject property is located along the north side of South Pass Road and west of Frost Road. As indicated on the accompanying preliminary plan set, the proposed mine access will be via an easement over an existing driveway located east of the proposed mine on Assessor Parcels 400517 200503 and 400517 220470. The proposed mining access is approximately 400 feet west of the intersection of South Pass and Frost Road.

Mining and Reclamation

The existing topography of the proposing mining site ranges from 600 feet to approximately 900 feet in elevation. The proposed depth of mining activity will range from 350 feet down to approximately 50 feet in depth, from the peak of the existing grade to the finished reclamation grade. Segmental mining and reclamation is proposed from east to west, and will be divided into three segments. It is estimated there will be approximately 13,743,113 cubic yards of excavation volume material associated with the quarry. Please see preliminary mining and reclamation plan set prepared by Pacific Surveying and Engineering dated December 19, 2022.

There will be rock sorting and crushing activities to occur on the site in addition to the mining operations. There will be approximately three employees on site during mining operations, and approximately 25 trucks entering and exiting the site per day with mined material.

Geologic Hazard Review WCC 16.16.320

A Geologic Hazard review was prepared by Element Solutions in April of 2022, and the findings indicate that the existing and proposed slopes within and adjacent to the site do not pose an unacceptable level of risk to the site or surrounding areas. A copy of the report is provided with the submittal materials.

Aquifer Recharge Area Evaluation WCC 16.16.510

Canyon Environmental Group, LLC has performed a preliminary Aquifer Recharge Area Evaluation for the proposed surface mine. Their conclusion is that the proposed mine will not likely significantly impact the Saar Creek Critical Aquifer Recharge Area or the South Saar Creek Critical Aquifer Recharge Area. Please see accompanying report dated December 19, 2022.

Wetland Delineation and Habitat Conservation Area (HCA) Assessment WCC 16.16.610

A Wetland Delineation and HCA assessment and Impact Assessment has been prepared by Collin Van Slyke of Northwest Ecological Services in December 2022. There were seven wetlands identified within the project vicinity, five of which are within the proposed mining boundaries. There are no proposed direct impacts to the wetlands, however indirect impacts are anticipated as a result of the proposed surface mine. Please see accompanying reports for additional information.