

Specification Aggregates Quarry Amendment
Exhibit S (Rule 6.4.19) – Permanent Man-made Structures

Martin Marietta has identified the following structures within 200 feet of the existing permit boundary, as shown in Pre-Mining Map Exhibit C1:

Structure	Owner	Date Structure Agreement Sent
Heritage Square Entrance Road	Martin Marietta Materials Real Estate Investments	N/A
Magic Mountain Reservoir Dam and Spillway	HSMM, LLC, a wholly owned subsidiary of Martin Marietta	N/A
Magic Mountain Reservoir Culvert	HSMM, LLC, a wholly owned subsidiary of Martin Marietta	N/A
Pump House at Magic Mountain Reservoir	HSMM, LLC, a wholly owned subsidiary of Martin Marietta	N/A
Tanks North of Permit Boundary	HSMM, LLC, a wholly owned subsidiary of Martin Marietta	N/A
Barbed Wire Fence on East Side of Highway 40	Jefferson County Open Space	4/13/2022
Bike Path – East of permit boundary	Dinosaur Ridge Metropolitan District	4/13/2022
Avalanche Harley Davidson Building and Parking Lot	AHD Real Estate LLC	4/13/2022
Parking Lot and Building	Aurum Golden, LLC	4/13/2022
Parking Lot – Red Rocks Origin Hotel	Golden Hotel Group LLC	4/13/2022
Retaining Wall	Gateway Land Investments, LLC	4/13/2022
Overhead Electric Line – Along Highway 40 and servicing the quarry; and Barbed Wire Fence on East Side of Hwy 40	Public Service Company of Colorado	4/13/2022
US Highway 40	Colorado Department of Transportation	4/13/2022

All of these structures are more than 200 feet from the additional 64.13 acres of land being added by this amendment. Additionally, all of these structures are more than 200 feet from the actual mine excavation.

The Geotechnical Stability Report prepared by Schnabel Engineering and attached in Exhibit 6.5 demonstrates that the slope angles of the mine plan and reclamation plan meet the required factor of safety requirements to protect off-site structures.

Martin Marietta also commissioned a Blast Impact Analysis by Vibra-Tech Engineers in April 2021 that concluded: *“The analysis has shown that based upon the ground vibration and air overpressure levels that were recorded in 2020, if those blasts were migrated to the closest point on the mining extraction boundary, the ground vibration and air overpressure levels would meet the criteria discussed in this report. Predicted ground vibration levels were found to be at 0.18 in./sec or lower which is 36% of the*

allowable limit at 0.5 in/sec. Average air overpressure levels were found to be below 0.005157 psi (125 dB) which is 39.8% of the allowable limit of 0.01295 psi (133 dB). In our opinion, Martin Marietta can blast in the proposed extraction area to the south of the current Spec Agg quarry with no adverse effect on surrounding structures and residents from ground or air vibrations."

The Blast Impact Analysis is also appended to Exhibit 6.5 of this permit application.

Though the Geotechnical Stability Report and the Blast Impact Analysis together demonstrate that these structures will not be damaged by activities occurring at the mining operation, Martin Marietta has requested notarized agreements from the owners of the structures, using the agreement format provided by the DRMS. These will be provided to DRMS once they are executed by both parties.