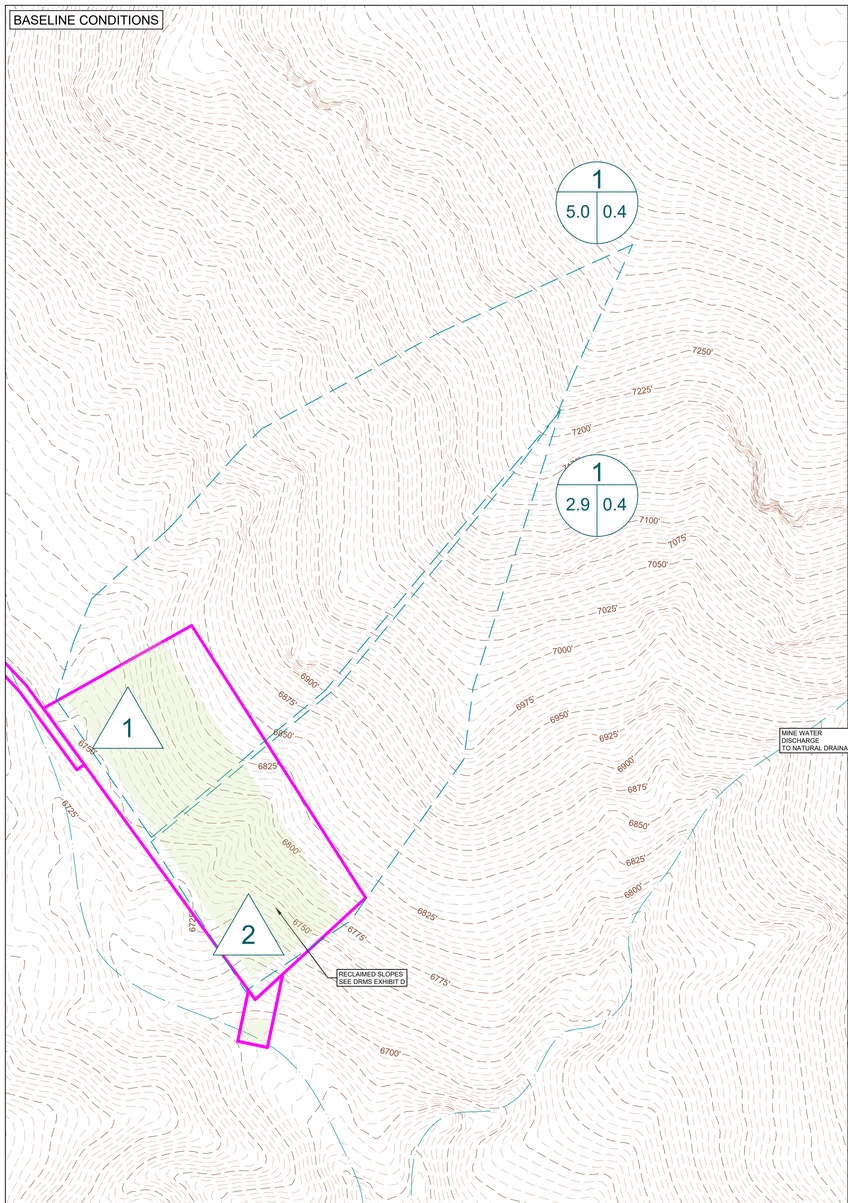

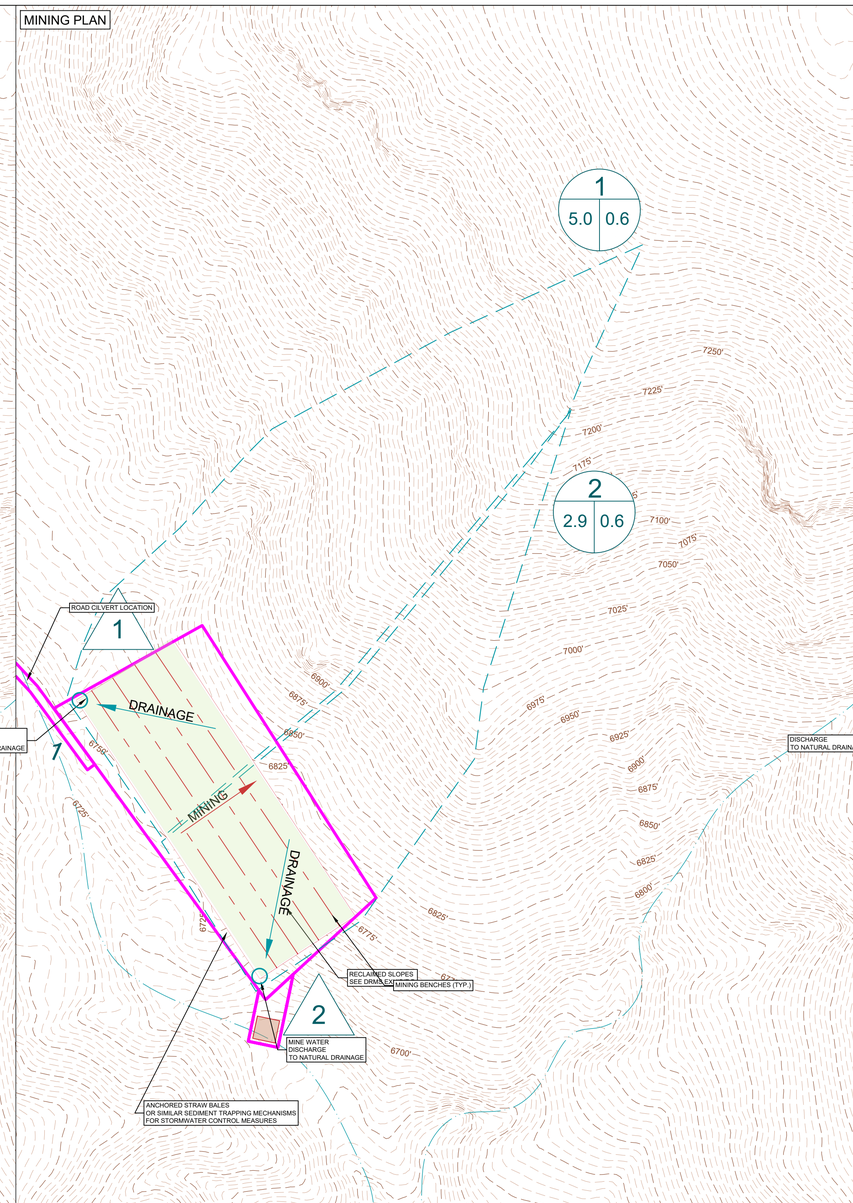

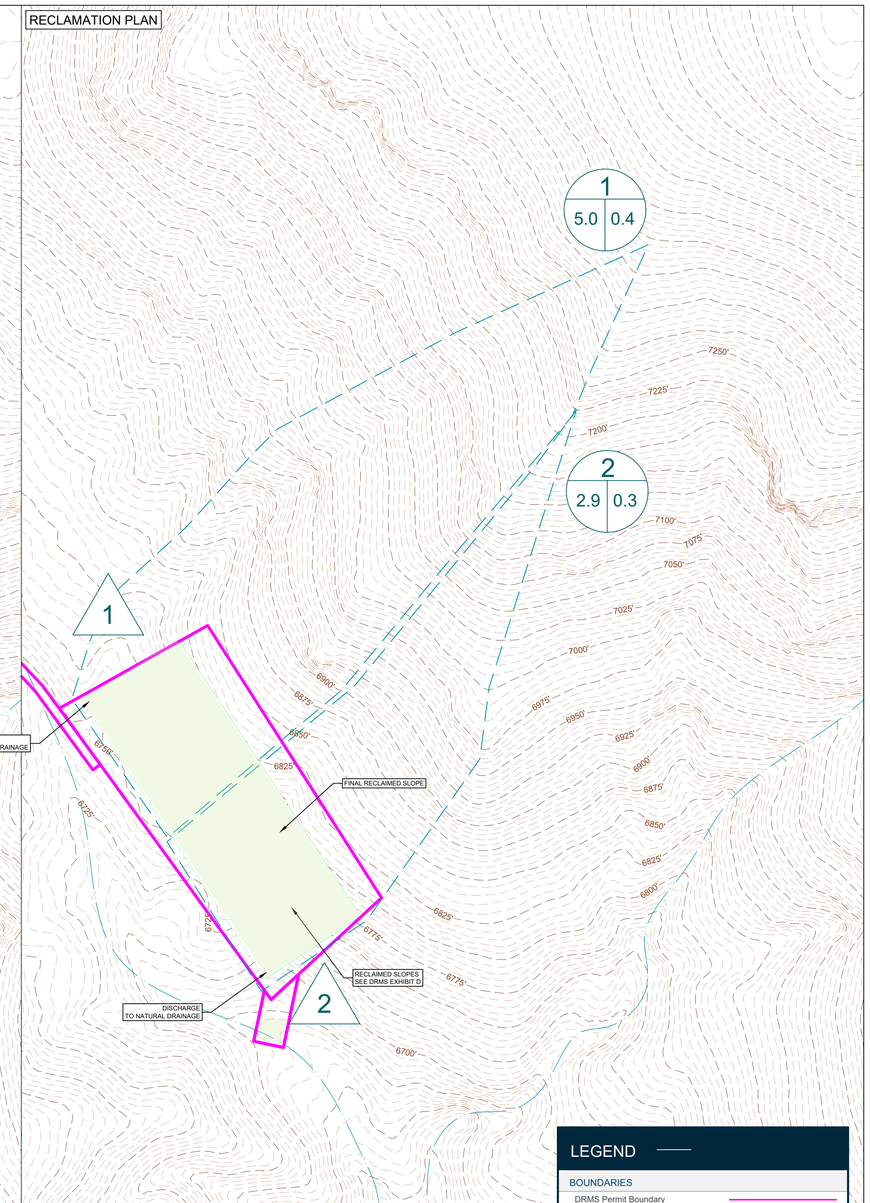

G-1 Hydrology Map

Brown Quarry

DRMS Permit Number: M-2024-023 — **Defiance Stone Company LLC**

Mine Entry Location:	Latitude: 39.65932	Longitude: -107.32890
State: CO	County: Eagle	Nearest Town: Gypsum
Section: 34	Township: 4S	Range: 86W PM: 6th
Major Watershed:	Colorado River	

Map Scale: 1"= 700

0 700 1400

Map Georeferencing Information: **Datum: NAD83** **Projection: CO CENTRAL**

Survey Source: N/A	**Drawn by:** 01/31/25	Date: 08/01/25
Imagery Source: Bing	**Checked by:** BEL	Date: 08/01/25
Survey Date: N/A	**Approved by:** BEL	Date: 08/01/25
Imagery Date: ----		

File Name: Brown Stone Quarry 250801

COLORADO LICENSED
BRIAN E. LAMBERT
47151
08/04/25
PROFESSIONAL ENGINEER

3375 West Powers Circle
Littleton, CO USA 80123
(303)-346-5196
info@lewicki.biz

Stormwater Runoff

Condition	Basin	Area (acres)	Event	Peak Runoff (CFS)	Runoff Vol. (acre-ft)
Baseline	1	4.98	100-YR, 24-HR	15.58	0.021
Baseline	2	2.86	100-YR, 24-HR	8.949	0.012
Mining	1	4.98	100-YR, 24-HR	20.51	0.085
Mining	2	2.86	100-YR, 24-HR	11.78	0.049
Reclaimed	1	4.98	100-YR, 24-HR	13.67	0.057
Reclaimed	2	2.86	100-YR, 24-HR	7.85	0.032

LEGEND

BOUNDARIES

DRMS Permit Boundary
Stormwater Control Measure

ROADS AND RELATED FEATURES

Highway
Light duty road, paved

DRAINAGE DATA

Basin — 1 — 62.6 | 0.2 — Area (acres) — Composite Runoff Coefficient — Basin Destination — 1

Drainage Direction
Drainage Basin

Contours

Index
Intermediate