



Rip Rap Products

Both our Nordegg and Prairie Creek quarries have a wide variety of rip rap products. We sort the rip rap sized material from our blasted rock walls based on the Alberta Transportation Specifications for rip rap material. This material also meets all hardness and durability criteria required by Alberta Transportation, and is ideal for any erosion control or waterway work. It can also be used for decorative and erosion control purposes on bridge abutments and culvert ends.

Benefits of Fish Creek Excavating's Rip Rap Materials:

- Consistent sizing
- No plastics/organic material
- No fine materials
- 100% fractured faces
- High hardness and durability
- High aesthetic value

Alberta Transportation Class Size	Metric Size Range (Nominal Size)	Imperial Size Range (Nominal Size)	Nominal Mass (kg)*
Class 1M	125 – 300mm (175mm)	5 – 12" (7")	7 kg
Class 1	200 – 450mm (300mm)	8 – 18" (12")	40 kg
Class 2	300 – 800mm (500mm)	12 – 32" (20")	200 kg
Class 3	500 – 1,100mm (800mm)	20 – 44" (32")	700 kg

*Nominal mass shown is based on a spherical volume and standard density of 2,600kg/m³. Actual mass of material will vary per stone.

Fish Creek Excavating Rip Rap Properties

Requirement Description	AT Section 10 Requirement	Sample Test Results	Compliant
California Test 206 – Specific Gravity	>2.6	2.7	Yes
California Test 206 – Max Absorption	<2.0%	0.4%	Yes
California Test 229 – Durability Index	>51	93	Yes
California Test 229 – Durability Absorption Ratio	>23	66	Yes