



## San Rafael Rock Quarry - Rip Rap

Class VIII Rock Slope Protection

*Meets all specifications of Section 72 of the 2023 CA Department of Transportation Standard Specifications. This material shall be free of clay, dirt, organic matter and other deleterious materials.*

| <u>Rock Gradation</u> | <u>Typical Gradation</u> | <u>Specification</u> |
|-----------------------|--------------------------|----------------------|
| d <sub>100</sub>      | 38"                      | = or < 48"           |
| d <sub>50</sub>       | 30"                      | 28.5"-34.5"          |
| d <sub>15</sub>       | 25"                      | 18.5"-26"            |

| <u>Quality characteristic</u>       | <u>Result</u> | <u>Specification</u> |
|-------------------------------------|---------------|----------------------|
| Apparent specific gravity (CTM 206) | 2.68          | >2.5                 |
| Absorption (CTM 206)                | 0.4           | <4.2%                |
| Durability index (CTM 229)          | 56            | >52                  |

NOTE: All third-party sampling of aggregate for the purpose of specification compliance shall be performed in accordance with California Test Method 125. Testing of these materials for compliance purposes shall be done in accordance with applicable California Department of Transportation test methods and practices.

*Matthew James*

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Quality Control