

**Drilling & Blasting** 

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## To whom it may concern:

The proposed borrow site near GPS Coords: 44°10'40.97"N, 116°59'47.60"W exists currently as a gently to steeply sloping across the majority of the property. Prior to this field investigation, the eastern hillside portion of the property had been stripped of organics and topsoil. Several test pits and trenches have been excavated to expose underlying materials. This quantity estimate is based on the excavations and depth to aggregate data gathered.

Borrow pit one as depicted in appendix a, extends roughly 1,000' East to West and 1,500' North to South, the test pits in this area revealed 20' of viable borrow material, equating to  $\sim$ 2.4m tons expected borrow using 160 lbs/ft $^3$ .

Borrow pit two as depicted in appendix a, extends roughly 700' North to South and 500' East to West, test pits indicate similar geology as borrow pit 1 including approximately 20' deep of borrow material, equating to ~560k tons expected borrow also using 160 lbs/ft^3.

Additionally there are two misc gravel piles as depicted in appendix a, these two piles are partially exposed and/or mined, due to inconsistent geology the estimates for these areas are ~100k tons.

Through the borrow process it can be expected for a variance of ~25% of actual quantity, affected by both geology, quality testing, and processing gain or loss.

Signed,

Nicholas Cunningham

Petra Drilling and Blasting