

T.SPURKLAND P.E.

203 WEST 15TH AVENUE SUITE 203
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June 28, 2004

Scott M. Haan
MOA Building Safety Division
P.O. Box 196650
Anchorage, AK 99519-6650

00-6083
SUBMITTAL

AUG 24 2004

Subject: Fill/Grading Permit # 00-6083
Del Isabelle

On Saturday morning, June 26, 2004, I assisted Del Isabelle in measuring the top surface of the fill placed as of this date under this permit. We determined that the fill area outside of the road way was 12,000 square feet with an average depth of fill of at least 20 feet, and a fill slope of 1:1. The bottom area of this fill is 17,000 square feet.

The road and driveway section of the fill is 320 feet in length, with a 30 foot wide driving surface. The top area of the driveway is 9600 square feet. The depth of this section of fill is also 20 feet with a 1:1 fill slope, giving a bottom area of 18,200 square feet.

We can obtain an order of magnitude for the fill placed so far by using the average end area method of earthwork computations. For the road/ driveway this computation yields a fill amount of 10,300 cubic yards. Similarly, the amount of fill placed outside the drive area computes to 10,600 cubic yards, for a total of 20,900 yards. This is 7,000 yards less than Isabelle's estimate of 28,165 yards, but his estimate is based on truck count of unconsolidated materials. A discrepancy of 30% between compacted volume and truck count volume is not unreasonable.

I hope this will satisfy your concern regarding the amount of fill having been placed at this time.

Yours truly,

T. Spurkland
Tobben/Spurkland P.E.

Yours truly,