

Haan, Scott M.

From: Thompson, Ron J.
Sent: Friday, August 27, 2004 8:56 AM
To: Haan, Scott M.
Subject: FW: Estimate of Fill Quantities - Lot 7B, Blk 2, Sea View Heights
Importance: High

Please file in folder.

-----Original Message-----

From: Shrader, Steve D.
Sent: Wednesday, August 25, 2004 5:54 PM
To: Thompson, Ron J.; Frost, Jack L.; Stubbs, James R.
Cc: Holtan, Howard C.
Subject: Estimate of Fill Quantities - Lot 7B, Blk 2, Sea View Heights
Importance: High

I met on-site with Inspector Jim Stubbs this afternoon. Together we paced off the fill area on Lot 7B and estimated the heights of fill around the perimeter of the fill area.

I estimate the on-site fill volume to be in range of 40,000 to 45,000 cubic yards. The Lori Drive fill volume is estimated to be in range of 1600 cubic yards.

Assumptions include:

- All horizontal measurements were made by pacing at the top of the fill pad;
- The "fill pad" was squared off to facilitate field pacing and calculations;
- Heights of fill are visual estimates;
- Assumes a planar surface beneath the fill areas, i.e., no adjustment or allowance made for terrain features such as depressions, humps, swales, etc.
- Volumes DO NOT include 10'± high conical pile in southeast corner of fill pad or the active fill piles below the house under construction.
- Side slopes were estimated to be about 1 horizontal to 1 vertical (1:1), except the easterly side slope was estimated slightly flatter (1½:1) due to a terrace part way down.

And now for the exculpatory language:

These "measurements" are not sufficiently accurate to unequivocally state that there are at least 40,000 cubic yards of fill on-site. But in my judgment, the volume of fill significantly exceeds 21,000 cubic yards.

For a more accurate determination, I recommend that the site be cross-sectioned and compared to existing topographic mapping to better estimate fill quantities. Should you elect to have this done, I would be very interested in these quantities.

I hope that this estimate meets your needs and the level of effort we discussed this morning. If you need to discuss further, don't hesitate to holler.

Steve

Steve Shrader, P.E.
Project Management & Engineering Dept.
343-8159
343-8088 (fax)
shradersd@muni.org