

Michele Decoteau

From: Trevor Yandow <TRYandow@meridianlandservices.com>
Sent: Thursday, August 25, 2022 2:43 PM
To: Michele Decoteau
Cc: Randolph Haight; Jay Chrystal
Subject: RE: Cut and Fill estimate for H-42 in Brookline
Attachments: 03077.05 Cut Fill Calculation 220825.txt

Good afternoon Michele,

Attached is a cut/fill calculation for the proposed site. The net material takeoff is approximately 102,000 cubic yards of cut in order to bring the site down to grade.

If you need anything else or have questions, please let me know.

Have a wonderful evening.

Best Regards,

Trevor R. Yandow, PE
Project Manager

Meridian Land Services, Inc.
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From: Michele Decoteau <mdecoteau@brooklinenh.us>
Sent: Tuesday, August 23, 2022 9:36 AM
To: Trevor Yandow <TRYandow@meridianlandservices.com>
Subject: Cut and Fill estimate for H-42 in Brookline

Hello Trevor,

Can you give me an estimate of the amount of material you expect to be needed to be removed from the HOP development on H-42? Everyone is making a good guess, but you could probably could make a very good, reasonably-accurate, guess.

Thank you!
Michele

Michele Decoteau
Town Planner
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Brookline, NH 03033
(603) 673-8855 x215
Preferred pronouns: she/her/hers

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Volumes by Triangulation (Prisms)

Thu Aug 25 09:09:36 2022

Existing Surface: H:\MLS\03077\dtm\EG5\EG5-ENG.tin

Final Surface: H:\MLS\03077\3077.05\0_Drawings\ENG\Carlson

Data\Surfaces\220722_FG.tin

Cut volume: 3,020,413.1 C.F., 111,867.15 C.Y.

Fill volume: 270,774.7 C.F., 10,028.69 C.Y.

Area in Cut : 174,567.6 S.F., 4.01 Acres

Area in Fill: 67,761.0 S.F., 1.56 Acres

Total inclusion area: 242,328.7 S.F., 5.56 Acres

Average Cut Depth: 17.30 feet

Average Fill Depth: 4.00 feet

Cut to Fill ratio: 11.15

Export Volume: 101,838.5 C.Y.

Elevation Change To Reach Balance: 11.347

Volume Change Per .1 ft: 897.5 C.Y.

Cut (C.Y.) / Area (acres): 20108.78

Fill (C.Y.) / Area (acres): 1802.72

Max Cut: 27.297 at 30840.122,27602.472

Max Fill: 9.574 at 30449.604,27507.622