

## Michele Decoteau

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**From:** Dennis Bechis <dennisbechis10@gmail.com>  
**Sent:** Monday, July 18, 2022 3:35 PM  
**To:** Eric Bernstein; rosie03033@yahoo.com; Michele Decoteau; michelebdecoteau@gmail.com  
**Cc:** Eric Pauer  
**Subject:** Letter to PB on Rough analysis of earth moving in Brookline center  
**Attachments:** cid4C430EEB-1F39-43AF-A704-D03B9AD06784.pdf; Brookline\_Town\_Center\_Project\_4.pdf.pdf

Hi Eric, Alan , Michele,

I understand the Monius property was on the June PB agenda and is on the July meeting agenda. I was not able to access the June recorded meeting so I do not know whether my letter to PB below was discussed then. In case it was not discussed, I would hope it could be discussed at this week's meeting.

The development, if approved, would irreversibly change the topography and landscape in Brookline's center by the act of removing an estimated 3 million cubic feet of soil requiring an estimated 11,000 dump trucks to transport the soil and rocks to some other location. This will be in addition to an unknown number of trucks carrying away tall trees that were cut. Clearly there is the issue of how the traffic will be managed in Brookline's center during construction as well as what steps may need to be implemented to reduce the impact to Brookline's road surfaces.

The second issue is that the removal of all these trees, rocks and soil and their replacement with impermeable surfaces ( roads, sidewalks, driveways, houses ) significantly reduces the absorption and storage of rainwater in the soil, trees and vegetation and dramatically increases the flow into the Nissitissit of not only rainwater, but also chemicals for deicing roads and sidewalks, and chemicals used on lawns. Unless this runoff issue is addressed, Brookline may get a lasting reputation for having laid waste to one of the few Wild and Scenic Rivers of New Hampshire.

Thank you in advance for reading this letter at the July PB meeting and asking for the developer to respond.

Thank you!

Best Regards,  
Dennis Bechis

Sent from my iPhone

Begin forwarded message:

**From:** Dennis Bechis <dennisbechis10@gmail.com>  
**Date:** April 21, 2022 at 1:48:25 PM EDT  
**To:** Alan Rosenberg <rosie03033@charter.net>, Brendan Denehy <bdenehy@brooklinenh.us>, Christopher Duncan <ctduncan212@gmail.com>, Eric Bernstein <eric.s.bernstein@gmail.com>, Eric Pauer <eric@pauerhome.com>, Kristen Austin <kristen@brooklinenh.us>, Ron Pelletier <nhibidcaller28@gmail.com>, Scott Grenier <scottygrenier@gmail.com>, Steve Russo <srusso@brooklinenh.us>  
**Cc:** Valerie Rearick <valerie@brooklinenh.us>  
**Subject:** Re: Rough analysis of earth moving in Brookline center

A further consideration is what steps shall/can the developer or the Town of Brookline take to restrict the volume and/or use of chemicals on lawns to destroy weeds or insects or chemicals on winter road surfaces, which chemicals may have a negative impact on flora, fauna, fish and other inhabitants and users of the Nissitissit Wild and Scenic River corridor and lead to the degradation or loss of this treasure and the loss of this honorable distinction for Brookline. It is to be noted that besides the Nissitissit, there are only 4 other rivers in New Hampshire that have been designated Wild and Scenic. The concern about future chemical impact to the Nissitissit is one part of the more immediate and larger concern over the impact to the Nissitissit River resulting from removal of immense volumes of trees, rocks and soil.

Sent from my iPhone

On Mar 16, 2022, at 11:34 PM, Dennis Bechis <dennisbechis10@gmail.com> wrote:

Dear Planning Board members,

The following is not time-urgent but should be considered at the next time the PB considers the development proposed for the center of Brookline.

I examined and did a rough analysis of the Meridian Land Services drawings for the proposed development. Unless I am mistaken, the graphic scale presented in the lower right corner of the 8.5"x15" drawings is in error. The scale should be 1 : 80 (IN:FT), not 1:40.

By slicing the lot at 80 foot separations (horizontal lines in 1st attachment) and noting the depth of soil to be removed at regular intervals of 80 feet (vertical lines) and by plotting the results, one can visualize the contours of soil that will need to be removed. In the 2nd attachment, the blue curves show the present topography of the land (peak at 268') along the horizontal slices while the red curves show the proposed elevation (245' ) of the building site after removal of soil and boulders. The 245' elevation matches that of Main Street near Sargent Road. From this analysis, one can estimate the volume of soil/boulders to be removed at 3 million cubic feet. Assuming a dump truck capacity of 270 cubic feet, this corresponds to 11,000 dump truck trips

through town to haul soil and boulders away.

At the next PB meeting where the development is discussed, I would hope we can hear how the development would be conducted with acceptable impact to Brookline's roads and the traffic near Sargent Road and Main Street. The volume to be removed - which will permanently change the topological profile of Brookline - is also of concern for potential impacts to the underlying aquifer and to the Nissitissit Wild and Scenic River.

Best Regards,  
Dennis Bechis



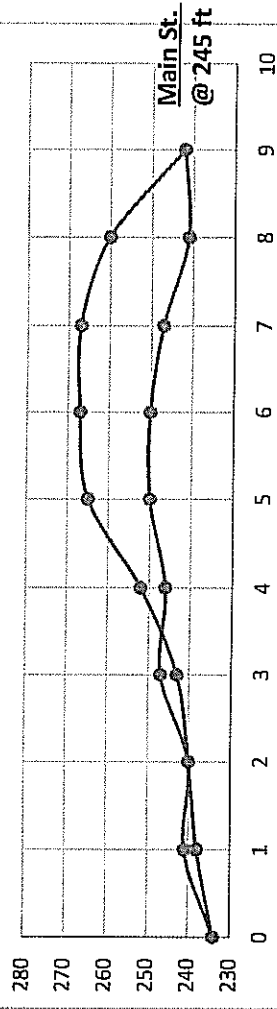
Y	X	PRE	POST	DELTA Z
1	0	232	232	0
1	1	232	232	0
1	2	232	232	0
1	3	230	230	0
1	4	240	240	0
1	5	256	256	0
1	6	266	266	0
1	7	260	260	0
1	8	248	248	0
1	9	232	232	0
2	0	234	234	0
2	1	238	241	-3
2	2	240	240	0
2	3	243	247	-4
2	4	252	246	6
2	5	265	250	15
2	6	267	250	17
2	7	267	247	20
2	8	260	241	19
2	9	242	242	0
3	0	232	232	0
3	1	236	236	0
3	2	238.5	240	-1.5
3	3	248	244	4
3	4	268	246	22
3	5	268	246	22
3	6	266	247	19
3	7	266	246	20
3	8	260	237	23
3	9	241	241	0

Calculation of drops in elevation PRE- and POST construction at X-intervals of 80 feet along Y-slices separated by 80 feet (see penciled grid on Meridian Land Services grading plan) (Note: Main Street lies near X=10; y=0,1, and=7 slices not used) (Note: one inch on 11"x15" map = 80 feet on land)

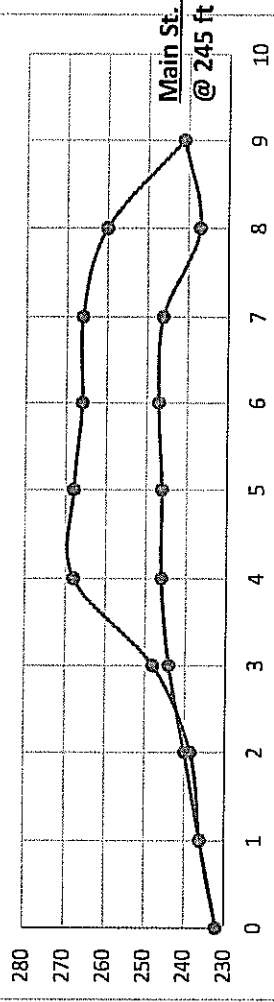
~ 3 million cu ft total volume of soil, boulders, rocks removed

~ 11,000 # of dump truck trips to haul away soil and rock

Land Profile Pre Post slice y=2



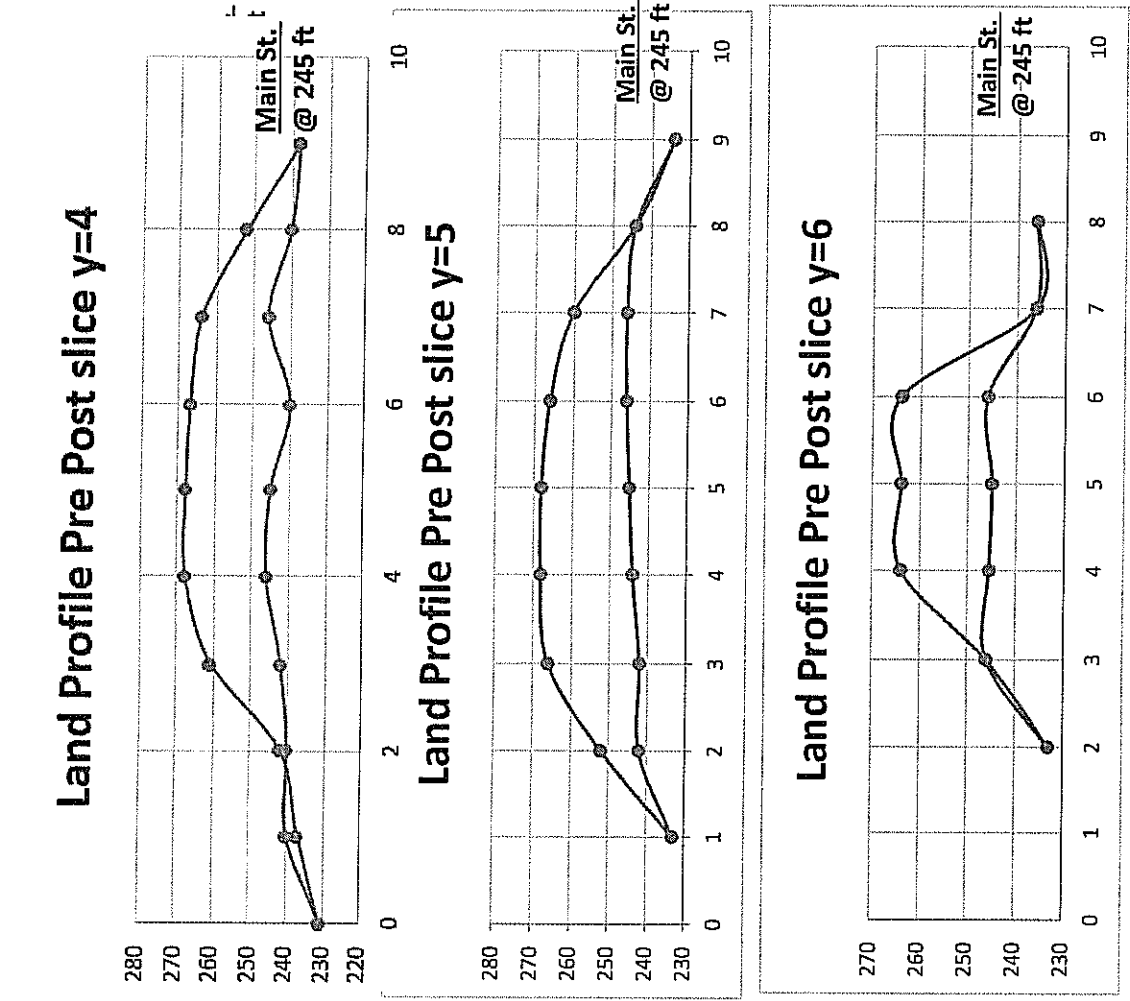
Land Profile Pre Post slice y=3



4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6

231 237 242 261 268 268 267 264 252 238 233 252 266 268 266 260 244 234 233 246 264 264 264 264 236 236

0 -3 2 19 22 23 27 18 12 0 0 0 10 24 24 23 20 14 0 0 0 0 0 0 0 18.5 19 18 0 0 0



Y	X	PRE	POST	DELTA Z
7	0			0
7	1			0
7	2	230	230	0
7	3	232	232	0
7	4	234	234	0
7	5	238	238	0
7	6	246	246	0
7	7	235	235	0
7	8	232	232	0
7	9			0

Main St.  
@ 245 ft

Total of DELTA Z's 469

TOTAL VOLUME REMOVED 3,001,600 Cu Ft

Typical dump truck load 270 Cu Ft

Total # dump trucks of soil, boilders,... 11,117

y=0 slice not used

Y	X	PRE	POST	DELTA Z
0	0	230	230	0
0	1	230	230	0
0	2	230	230	0
0	3	233	233	0
0	4	244	244	0
0	5	255	255	0
0	6	255	255	0
0	7	266	266	0
0	8	258	258	0
0	9	244	244	0