

MetroWest Engineering, Inc.

Existing Grade Plane & Allowable Building Height Calculation

Prepared for: Teng Li

Prepared By: MetroWest Engineering Inc, 09/20/2016

405 North Avenue in Weston MA 02493

<u>Building Line</u>	<u>e1 (ft.)</u>	<u>e2 (ft.)</u>	<u>e (avg.)</u>	<u>L (ft.)</u>	<u>e (avg)*L</u>
1 2	157.0	161.3	159.2	27.5	4376.6
2 3	161.3	167.8	164.6	27.5	4525.1
3 4	167.8	173.8	170.8	27.5	4697.0
4 5	173.8	174.4	174.1	27.5	4787.8
5 6	174.4	174.7	174.6	27.5	4800.1
6 7	174.7	175.8	175.3	34.5	6046.1
7 8	175.8	177.4	176.6	34.5	6092.7
8 9	177.4	175.0	176.2	34.5	6078.9
9 10	175.0	169.2	172.1	34.5	5937.5
10 11	169.2	170.8	170.0	30.0	5100.0
11 12	170.8	172.5	171.7	20.0	3433.0
12 13	172.5	169.1	170.8	20.0	3416.0
13 14	169.1	167.5	168.3	20.0	3366.0
14 15	167.5	165.6	166.6	20.0	3331.0
15 16	165.6	163.7	164.7	20.0	3293.0
16 17	163.7	163.2	163.5	20.0	3269.0
17 18	163.2	161.3	162.3	24.5	3975.1
18 19	161.3	158.4	159.9	24.5	3916.3
19 1	158.4	157.0	157.7	24.5	3863.7
			Sum	499.0	84304.9

Conversion from N.G.V.D. 1929 DATUM TO N.A.V.D. 1988 DTUM = -0.79'

	N.G.V.D. 1929 DATUM	N.A.V.D. 1988 DATUM
Perimeter (ft.)	499.0	498.2
Exist.Ave.Grade Plane prior to Disturbance (ft.)	168.9	168.2
Maximum Allowable Building Elevation (ft.)	205.9	205.2
Proposed First Floor F.F. (ft.)	169.2	168.4
Proposed Ridge Height (ft.)	203.5	202.7



Rob A. Gemma 10/20/16

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