

Proposed Conditions Average Grade Calculation								
Δ	R	C						
<u>a</u> ament	Length Of	Height of	Height of	E=(C+D)/2	E=By F			
egment	Segment	High Point		Average				
	in Feet	of Segment	of Segment	Segment Height				
1	11 36	164.67	163.20	163.94	1862 30 Sa Et			
2	6.90	164.54	164.27	164.41	1134 39 Sq. Ft			
3	9.30	164.54	164.45	164.50	1529 80 Sq. Ft			
4	15.95	164.02	163.14	163.58	2609 10 Sq. Ft			
5	12.80	163.05	162.24	162.65	2081 86 Sq. Ft			
6	11.00	162.26	161.50	161.88	1780 68 Sg. Ft			
7	20.20	161.50	161.10	161.30	3258 26 Sg. Ft			
8	11.00	161.00	161.00	161.05	1771 55 Sg. Ft			
9	6.50	161.10	161.00	161.05	1046 83 Sg. Ft			
10	25.50	161.10	161.00	161.05	4106.78 Sa Ft			
11	0.60	161.50	161.00	161.25	96.75 Sa. Ft			
12	26.60	161.00	159.10	160.05	4257.33 Sq. Ft			
13	14 00	158.30	158 20	158 25	2215 50 Sg. Ft			
14	4.00	161.00	158.10	159.55	638.20 Sq. Ft.			
15	13.40	158.30	158.00	158.15	2119.21 Sq. Ft			
16	5 60	157.80	157 70	157 75	883 40 Sq. Ft			
17	4 80	161.00	158.00	159 50	765 60 Sq. Ft			
18	5 60	161.50	157 70	159 60	893 76 Sq. Ft			
19	25.30	157.70	157.00	157.35	3980 96 Sg. Et			
20	1 00	157.00	157.00	157.00	157 00 Sq. Ft			
21	18 70	153 10	152.20	152.65	2854 56 Sg. Ft			
22	45.60	152.00	151.90	151.95	6928 92 Sq. Ft			
23	66.50	152.00	151.00	151.50	10074 75 Sg. Ft			
24	27 40	153.00	152.00	152.50	4178 50 Sg. Et			
25	4 80	153 50	153.00	153 25	735 60 Sq. Ft			
26	6.20	154.00	153 50	153 75	953 25 Sq. Ft			
27	3 30	153 50	152.00	152 75	504 08 Sq. Ft			
28	15.90	151.60	151 50	151.55	2409 65 Sg. Et			
29	1.00	157.00	157.00	157.00	157.00 Sa. Ft			
30	3.20	157.10	156.90	157.00	502.40 Sa. Ft			
31	6.00	158.00	157.20	157.60	945.60 Sq. Ft.			
32	13.80	159.00	157.50	158.25	2183.85 Sa. Ft			
33	5.00	158.50	156.60	157.55	787.75 Sa. Ft.			
34	8.10	156.10	156.00	156.05	1264.01 Sq. Ft			
35	6.50	156.10	156.00	156.05	1014.33 Sq. Ft			
36	1.00	160.20	160.20	160.20	160.20 Sq. Ft.			
37	14.10	160.50	160.00	160.25	2259.53 Sq. Ft			
38	12.20	162.00	161.10	161.55	1970.91 Sq. Ft			
39	14.90	162.30	162.30	162.30	2418.27 Sq. Ft			
40	6.00	163.20	162.30	162.75	976.50 Sq. Ft.			
Total	511.61				80468.88 Sq. F			
		Total Column F	/ Total Column B :	 = Average Grade				



SCALE: 1" = 10'





2019 VTP ASSOCIATES, INC.

Address:#	145 Warren Str	eet, Newton				32.3 28.1
	Ler	ngth Weighte	d Mean - On	e Building		토누
	Propose	d Conditions	Average Gr	ade Calculatio	on	
A	В	C	D	E	F	T T 0 0
Segment	Length Of	Height of	Height of	E=(C+D)/2	F=BxE	
	<u>Segment</u>	High Point	Low Point	<u>Average</u>		
	<u>in Feet</u>	of Segment	of Segment	Segment Height	-	
1	11.36	164.67	163.20	163.94	1862.30 Sq. Ft.	SD CP
2	6.90	164.54	164.27	164.41	1134.39 Sq. Ft.	H A
3	9.30	164.54	164.45	164.50	1529.80 Sq. Ft.	
4	15.95	164.02	163.14	163.58	2609.10 Sq. Ft.	
5	12.60	163.05	162.24	162.00	2001.00 Sy. Fl.	
7	20.20	162.20		161.00	3258 26 Sa Ft	
8	11 00	161.00	161.00	161.05	1771.55 Sg. Ft	EA. AVE. GRADE EL. 101.07
9	6.50	161.10	161.00	161.05	1046.83 Sa. Ft.	
10	25.50	161.10	161.00	161.05	4106.78 Sa. Ft.	
11	0.60	161.50	161.00	161.25	96.75 Sq. Ft.	
12	26.60	161.00	159.10	160.05	4257.33 Sq. Ft.	
13	14.00	158.30	158.20	158.25	2215.50 Sq. Ft.	PR. AVE. GRADE EL. 157.29
14	4.00	161.00	158.10	159.55	638.20 Sq. Ft.	
15	13.40	158.30	158.00	158.15	2119.21 Sq. Ft.	
16	5.60	157.80	157.70	157.75	883.40 Sq. Ft.	
17	4.80	161.00	158.00	159.50	765.60 Sq. Ft.	
18	5.60	161.50	157.70	159.60	893.76 Sq. Ft.	
19	25.30	157.70	157.00	157.35	3980.96 Sq. Ft.	PI
20	1.00	157.00	157.00	157.00	157.00 Sq. Ft.	
21	18.70	153.10	152.20	152.65	2854.56 Sq. Ft.	
22	45.60	152.00	151.90	151.95	6928.92 Sq. Ft.	
23	27.40	152.00	152.00	151.50	4178 50 Sq. Ft.	
24	4 80	153.50	153.00	153.25	735.60 Sq. Ft	F
26	6.20	154.00	153.50	153.75	953.25 Sq. Ft.	f
27	3.30	153.50	152.00	152.75	504.08 Sq. Ft.	
28	15.90	151.60	151.50	151.55	2409.65 Sq. Ft.	
29	1.00	157.00	157.00	157.00	157.00 Sq. Ft.	
30	3.20	157.10	156.90	157.00	502.40 Sq. Ft.	21
31	6.00	158.00	157.20	157.60	945.60 Sq. Ft.	27
32	13.80	159.00	157.50	158.25	2183.85 Sq. Ft.	
33	5.00	158.50	156.60	157.55	787.75 Sq. Ft.	
34	8.10	156.10	156.00	156.05	1264.01 Sq. Ft.	
35	6.50	156.10	156.00	156.05	1014.33 Sq. Ft.	Ň
36	1.00	160.20	160.20	160.20	160.20 Sq. Ft.	
3/	14.10	160.50	160.00	160.25	2259.53 Sq. Ft.	Ē
<u>ა</u> გ	12.20	162.00	161.10	161.55	19/0.91 Sq. Ft.	
40	6.00	163.20	162.30	162.30	976.50 Sq. Ft.	
Total	511.61				80468.88 Sq. Ft.	
		Tetel Oct and E				
		Iotal Column F	/ Total Column B :	= Average Grade		

