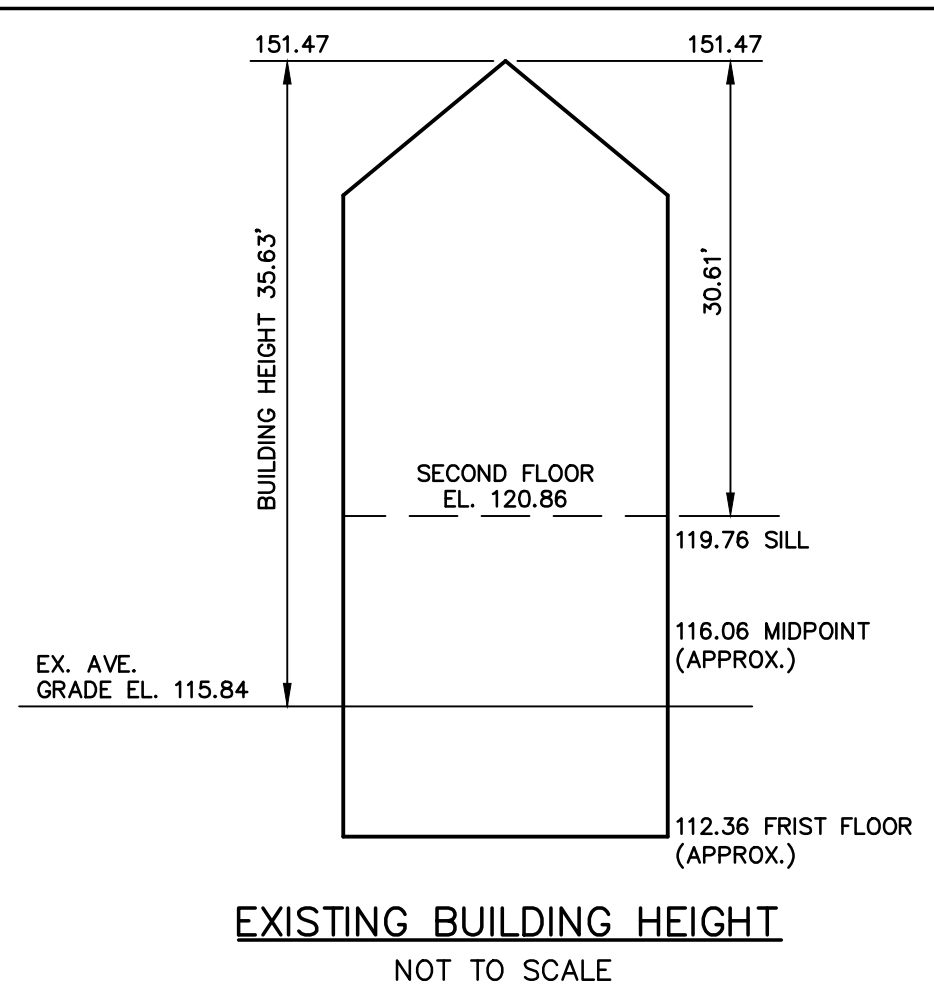


210197_18.dwg (2/2018)

Address: #58 Rochester Road

Length Weighted Mean Existing Average Grade Calculation

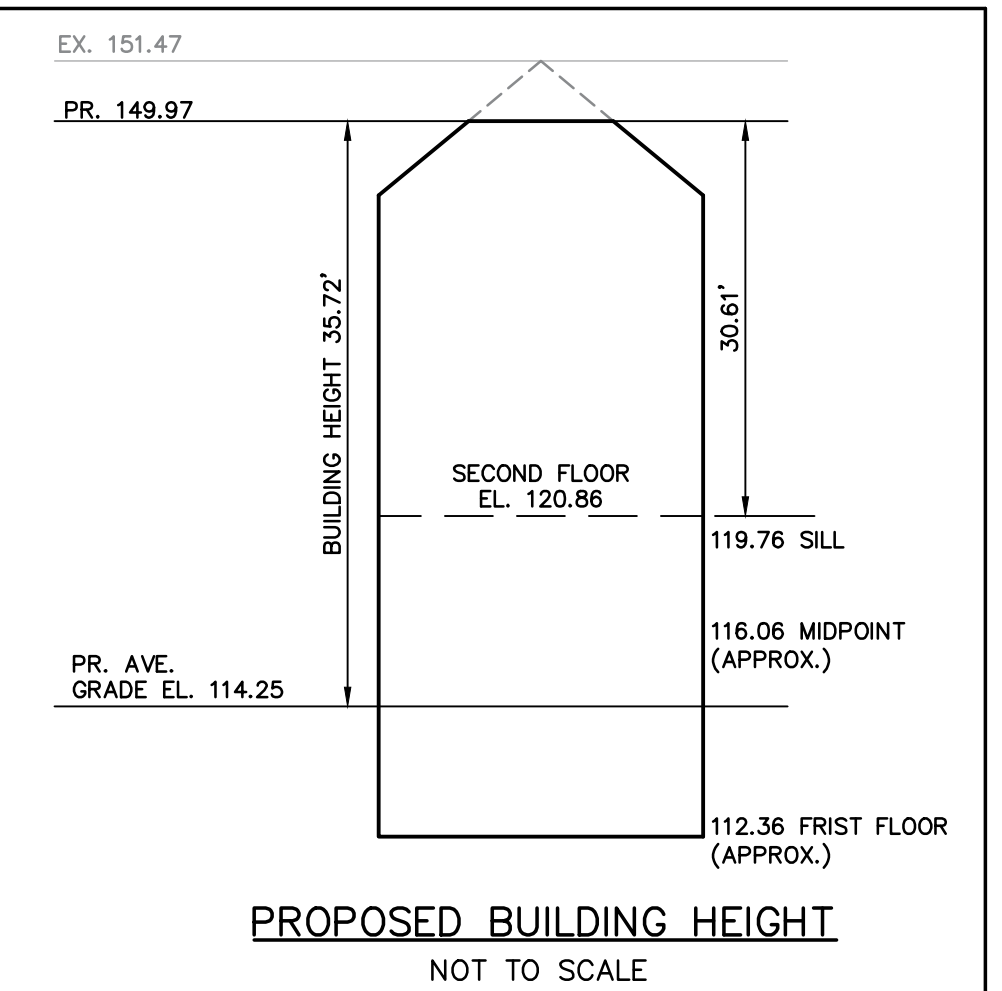
Segment	A	B	C	D	E	F
Segment	Length Of Segment in Feet	Height of High Point of Segment	Height of Low Point of Segment	Eq(C+D)/2 Average Segment Height	F=BxE	
1	23.10	120.00	120.00	120.00	2772.00 Sq. Ft.	
2	15.00	120.43	120.03	120.23	1803.45 Sq. Ft.	
3	8.90	120.60	120.49	120.65	1073.74 Sq. Ft.	
4	13.00	119.99	119.42	119.71	1755.58 Sq. Ft.	
5	12.20	119.09	117.08	118.09	1440.64 Sq. Ft.	
6	20.00	116.38	113.39	114.89	2297.70 Sq. Ft.	
7	12.30	112.69	112.43	112.56	1384.49 Sq. Ft.	
8	6.50	113.82	112.31	113.07	734.92 Sq. Ft.	
9	23.00	111.96	111.30	111.63	3237.27 Sq. Ft.	
10	23.10	112.23	111.63	111.93	2585.58 Sq. Ft.	
11	25.10	112.07	111.48	111.78	2805.55 Sq. Ft.	
Total	165.10				19125.37 Sq. Ft.	
Total Column F / Total Column B = Average Grade						
Average Grade: 115.84'						



Address: #58 Rochester Road

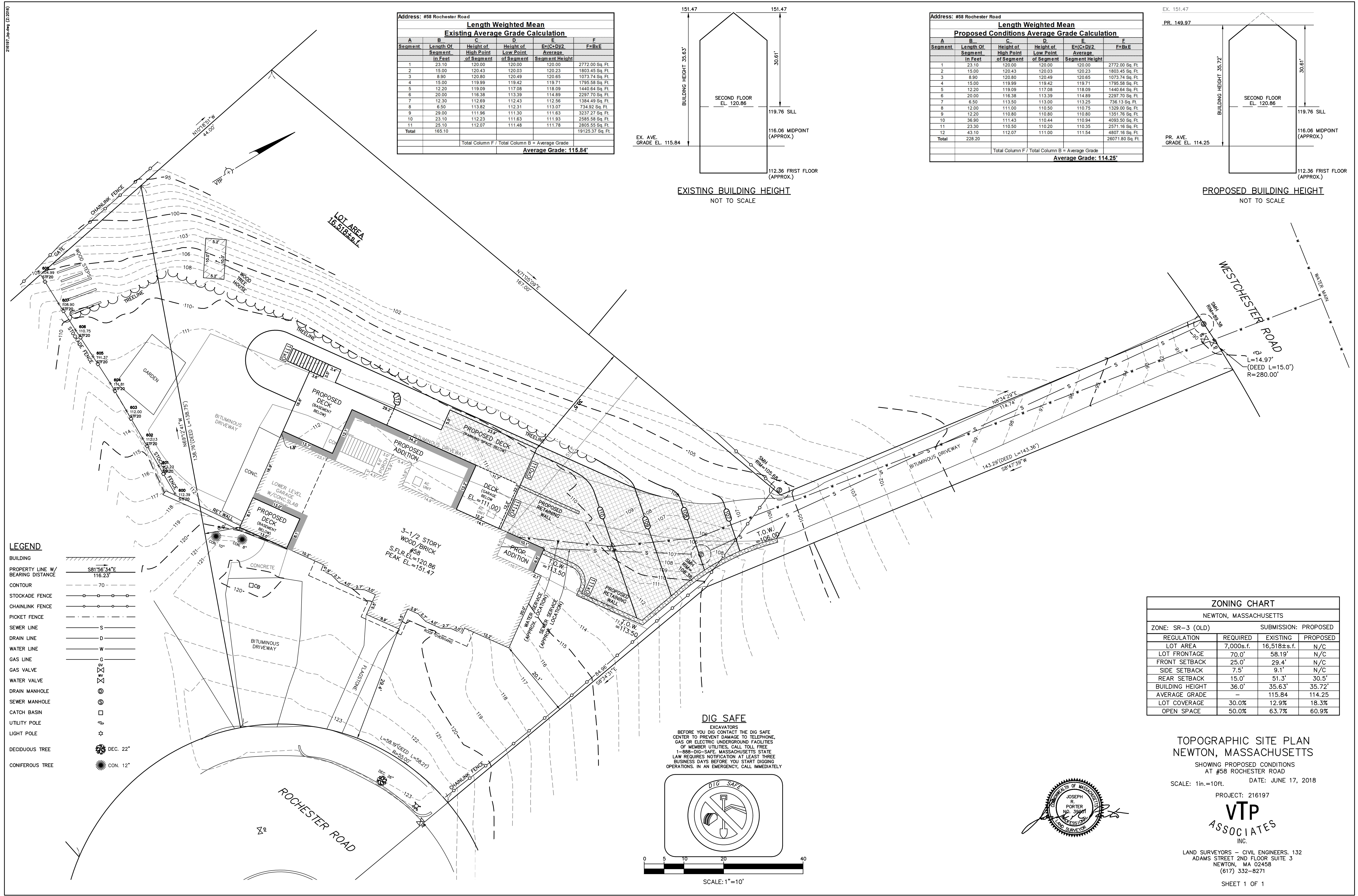
Length Weighted Mean Proposed Conditions Average Grade Calculation

Segment	A	B	C	D	E	F
Segment	Length Of Segment in Feet	Height of High Point of Segment	Height of Low Point of Segment	Eq(C+D)/2 Average Segment Height	F=BxE	
1	23.10	120.00	120.00	120.00	2772.00 Sq. Ft.	
2	15.00	120.43	120.03	120.23	1803.45 Sq. Ft.	
3	8.90	120.80	120.49	120.65	1073.74 Sq. Ft.	
4	15.00	119.99	119.42	119.71	1755.58 Sq. Ft.	
5	12.20	119.09	117.08	118.09	1440.64 Sq. Ft.	
6	20.00	116.38	113.39	114.89	2297.70 Sq. Ft.	
7	6.50	113.50	113.00	113.25	736.13 Sq. Ft.	
8	12.00	111.00	110.50	110.75	1329.00 Sq. Ft.	
9	12.20	110.80	110.80	110.80	1351.76 Sq. Ft.	
10	36.90	111.43	110.44	110.94	4093.50 Sq. Ft.	
11	23.30	110.50	110.20	110.35	2571.16 Sq. Ft.	
12	43.10	112.07	111.00	111.54	4807.16 Sq. Ft.	
Total	228.20				28071.80 Sq. Ft.	
Total Column F / Total Column B = Average Grade						
Average Grade: 114.25'						



LEGEND

- BUILDING
- PROPERTY LINE W/ BEARING DISTANCE
- CONTOUR
- STOCKADE FENCE
- CHAINLINK FENCE
- PICKET FENCE
- SEWER LINE
- DRAIN LINE
- WATER LINE
- GAS LINE
- GAS VALVE
- WATER VALVE
- DRAIN MANHOLE
- SEWER MANHOLE
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- DECIDUOUS TREE
- CONIFEROUS TREE



DIG SAFE

EXCAVATORS BEFORE YOU DIG CONTACT THE DIG SAFE CENTER TO PREVENT DAMAGE TO TELEPHONE, GAS OR ELECTRIC UNDERGROUND FACILITIES OF MEMBER UTILITIES. CALL TOLL FREE 1-888-DIG-SAFE. MASSACHUSETTS STATE LAW REQUIRES NOTIFICATION AT LEAST THREE BUSINESS DAYS BEFORE YOU START DIGGING OPERATIONS. IN AN EMERGENCY, CALL IMMEDIATELY



ZONING CHART

NEWTON, MASSACHUSETTS

ZONE:	SR-3 (OLD)	SUBMISSION:	PROPOSED
REGULATION	REQUIRED	EXISTING	PROPOSED
LOT AREA	7,000s.f.	16,518±s.f.	N/C
LOT FRONTAGE	70.0'	58.19'	N/C
FRONT SETBACK	25.0'	29.4'	N/C
SIDE SETBACK	7.5'	9.1'	N/C
REAR SETBACK	15.0'	51.3'	30.5'
BUILDING HEIGHT	36.0'	35.63'	35.72'
AVERAGE GRADE	-	115.84	114.25
LOT COVERAGE	30.0%	12.9%	18.3%
OPEN SPACE	50.0%	63.7%	60.9%

TOPOGRAPHIC SITE PLAN
NEWTON, MASSACHUSETTS

SHOWING PROPOSED CONDITIONS
AT #58 ROCHESTER ROAD

SCALE: 1in.=10ft. DATE: JUNE 17, 2018

PROJECT: 216197

VTP
ASSOCIATES
INC.

LAND SURVEYORS - CIVIL ENGINEERS. 132
ADAMS STREET 2ND FLOOR SUITE 3
NEWTON, MA 02458
(617) 332-8271

SHEET 1 OF 1

