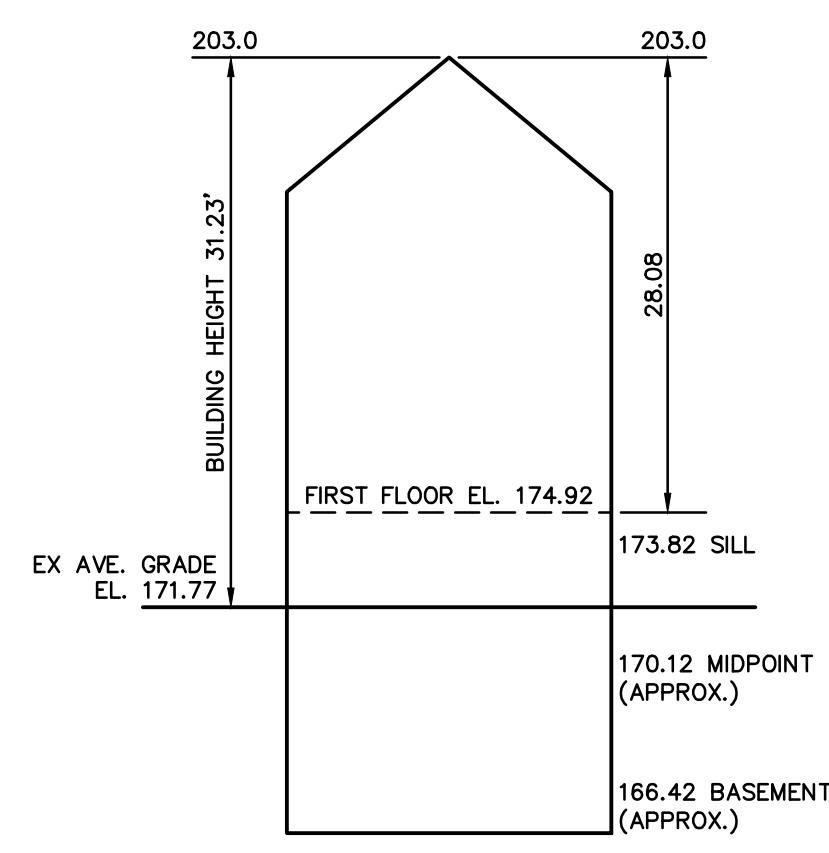
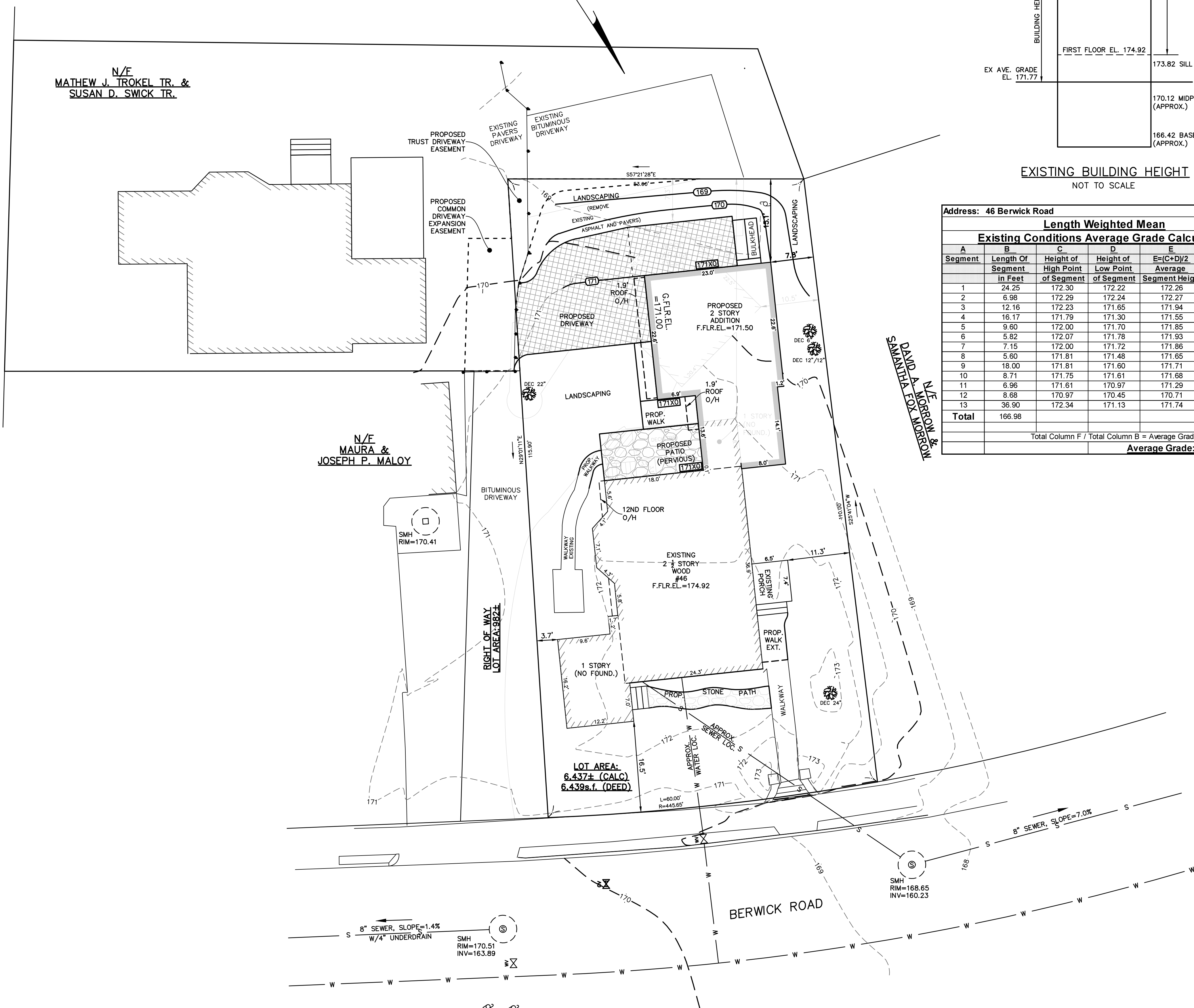


2181429776.dwg (Z-2018)

LEGEND

BUILDING	
PROPERTY LINE W/ BEARING DISTANCE	S81°56'34"E 116.23'
CONTOUR	- 70 -
STOCKADE FENCE	
CHAINLINK FENCE	
PICKET FENCE	
SEWER LINE	S
DRAIN LINE	D
WATER LINE	W
GAS LINE	G
GAS VALVE	
WATER VALVE	
DRAIN MANHOLE	
SEWER MANHOLE	
CATCH BASIN	
UTILITY POLE	
LIGHT POLE	
DECIDUOUS TREE	DEC. 22"
CONIFEROUS TREE	CON. 12"

SAXON ROAD

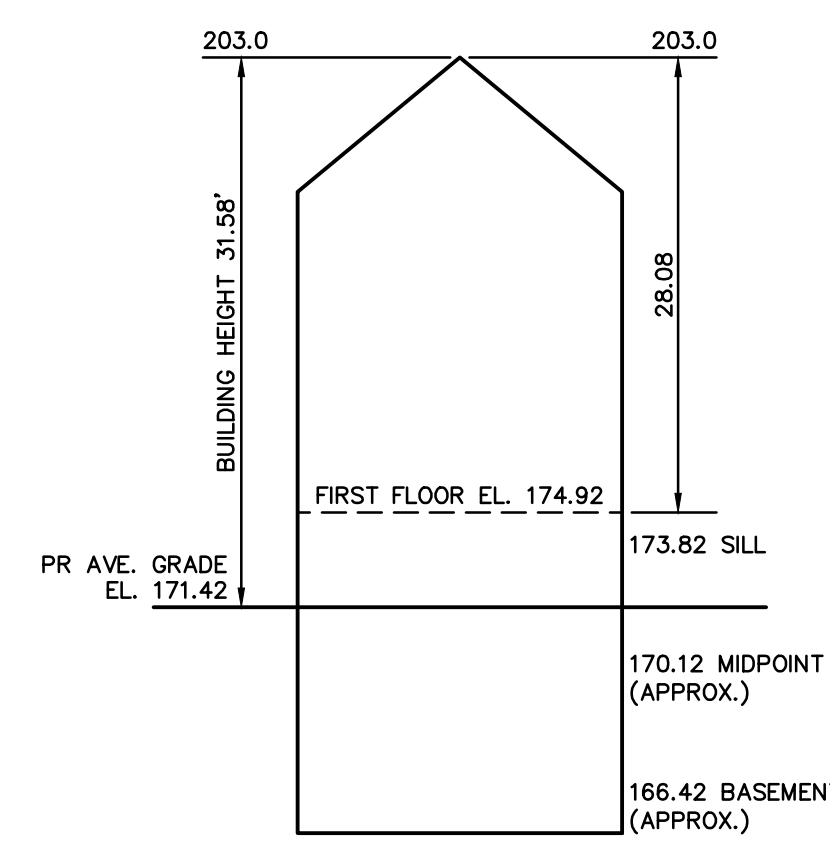


Address: 46 Berwick Road

**Length Weighted Mean
Existing Conditions Average Grade Calculation**

Segment	Length Of Segment in Feet	Height of High Point of Segment	Height of Low Point of Segment	E=(C+D)/2 Segment Height	F=BxE
1	24.25	172.30	172.22	172.26	4177.31 Sq. Ft.
2	6.98	172.29	172.24	172.27	1202.41 Sq. Ft.
3	12.16	172.23	171.65	171.94	2090.79 Sq. Ft.
4	16.17	171.79	171.30	171.55	2773.88 Sq. Ft.
5	9.60	172.00	171.70	171.85	1649.76 Sq. Ft.
6	5.82	172.07	171.78	171.93	1000.60 Sq. Ft.
7	7.15	172.00	171.72	171.86	1228.80 Sq. Ft.
8	5.60	171.81	171.48	171.65	961.21 Sq. Ft.
9	18.00	171.81	171.60	171.71	3090.69 Sq. Ft.
10	8.71	171.75	171.61	171.68	1495.33 Sq. Ft.
11	6.96	171.61	170.97	171.29	1192.18 Sq. Ft.
12	8.68	170.97	170.45	170.71	1481.76 Sq. Ft.
13	36.90	172.34	171.13	171.74	6337.02 Sq. Ft.
Total	166.98				28681.75 Sq. Ft.

Total Column F / Total Column B = Average Grade
Average Grade: 171.77'



Address: 46 Berwick Road

**Length Weighted Mean
Proposed Conditions Average Grade Calculation**

Segment	Length Of Segment in Feet	Height of High Point of Segment	Height of Low Point of Segment	E=(C+D)/2 Segment Height	F=BxE
1	24.25	172.30	172.22	172.26	4177.31 Sq. Ft.
2	6.98	172.29	172.24	172.27	1202.41 Sq. Ft.
3	12.16	172.23	171.65	171.94	2090.79 Sq. Ft.
4	16.17	171.79	171.30	171.55	2773.88 Sq. Ft.
5	9.60	172.00	171.70	171.85	1649.76 Sq. Ft.
6	5.82	172.07	171.78	171.93	1000.60 Sq. Ft.
7	7.15	172.00	171.72	171.86	1228.80 Sq. Ft.
8	5.60	171.81	171.48	171.65	961.21 Sq. Ft.
9	18.00	171.81	171.60	171.71	3078.00 Sq. Ft.
10	13.60	171.00	171.00	171.00	2325.60 Sq. Ft.
11	6.90	171.00	171.00	171.00	1179.90 Sq. Ft.
12	22.60	171.00	171.00	171.00	3864.60 Sq. Ft.
13	23.00	171.00	171.00	171.00	3933.00 Sq. Ft.
14	22.60	170.05	169.90	169.98	3841.44 Sq. Ft.
15	14.10	170.89	170.04	170.47	2403.56 Sq. Ft.
16	8.00	171.35	170.96	171.16	1369.24 Sq. Ft.
17	36.90	172.64	172.19	172.42	6362.11 Sq. Ft.
Total	253.43				43442.21 Sq. Ft.

Total Column F / Total Column B = Average Grade
Average Grade: 171.42'

IMPERVIOUS AREA

LOT AREA	6,437.0 s.f.
EXISTING IMPERVIOUS AREA	3,137.4 s.f.
PROPOSED IMPERVIOUS AREA	3,215.0 s.f.
4% LOT AREA	257.5 s.f.
INCREASE IN IMPERVIOUS AREA	77.6 s.f.
77.6s.f. < 257.5s.f. (DRAINAGE NOT REQUIRED)	

ZONING CHART
NEWTON, MASSACHUSETTS

ZONE: SR-2(OLD) SUBMISSION: BUILDING PERMIT

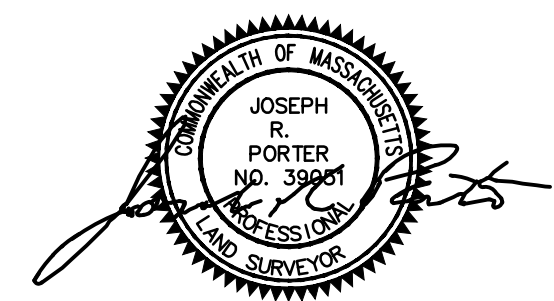
REGULATION	REQUIRED	EXISTING	PROPOSED
LOT AREA	10,000s.f.	6,437±s.f.*	N/C
LOT FRONTAGE	80.0'	60.0'*	N/C
FRONT SETBACK	25.0'	16.5'*	N/C
SIDE SETBACK	7.5'	3.7'*	N/C
REAR SETBACK	15.0'	4.3.3'	15.0'
BUILDING HEIGHT	36.0'	31.23'	31.58'
AVERAGE GRADE	-	171.77	171.42
LOT COVERAGE	30.0%	26.7%	29.9%
OPEN SPACE	50.0%	54.5%	58.6%

*DOES NOT MEET REQUIREMENTS

TOPOGRAPHIC SITE PLAN
NEWTON, MASSACHUSETTS
SHOWING PROPOSED CONDITIONS AT
#46 BERWICK ROAD

SCALE: 1in.=10ft. DATE: AUGUST 21, 2018;
REVISED: NOVEMBER 14, 2018;
NOVEMBER 19, 2018

PROJECT: 218142



VTP
ASSOCIATES
INC.

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

SHEET 1 OF 1

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

