



**LOT COVERAGE:**  
 EXIST. = 14.4%  
 PROP. = 17.4%

**OPEN SPACE:**  
 EXIST. = 79.4%  
 PROP. = 74.7%

**EXIST. & PROPOSED GRADE PLANE AVERAGE CALCULATIONS FOR:**  
 148 Auburndale Ave, Newton

Segment	Elev 1	Elev 2	E1+E2	Dist.	(E1+E2)/2xDist.
1	59.3	59.9	119.2	39.7	2366.1
2	59.9	59.1	119.0	26.5	1576.8
3	59.1	58.8	117.9	27.7	1632.9
4	58.8	58.5	117.3	8.0	469.2
5	58.5	58.3	116.8	12.0	700.8
6	58.3	59.3	117.6	34.5	2028.6
			<b>Sum =</b>	<b>148.4</b>	<b>8774.4</b>

**Average Grade = 59.1**  
 Sum E / Sum D



*STEPHEN E. DAVIS*

I CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY AND THE LATEST PLANS AND DEEDS OF RECORD.

DATE: 8/24/2021; REV. 6/28/2022, 8/5/2022 PROJECT # 6211

**PROPOSED ADDITION PLAN**  
 # 148 AUBURNDALE AVE.  
 NEWTON, MA  
 MIDDLESEX COUNTY  
 AS PREPARED FOR  
**CHRISTOPHER S. RUTAN**

**CHENEY**  
**ENGINEERING, LLC**  
 53 MELLEEN STREET  
 NEEDHAM, MA 02494  
 TEL. 781-444-2188  
 admin@cheney-eng.com