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ROBIN GORENBERG

June 27, 2013

Linda Finucane, Clerk  
Board of Aldermen  
City of Newton  
1000 Commonwealth Avenue  
Newton, MA.

RECEIVED  
Newton City Clerk  
2013 JUL -1 PM 12:35  
David A. Olson, Clerk  
Newton, MA 02459

Re: 170 Needham Street

Dear Linda;

Enclosed is the Building Height Exhibit for the filing for 170 Needham Street.

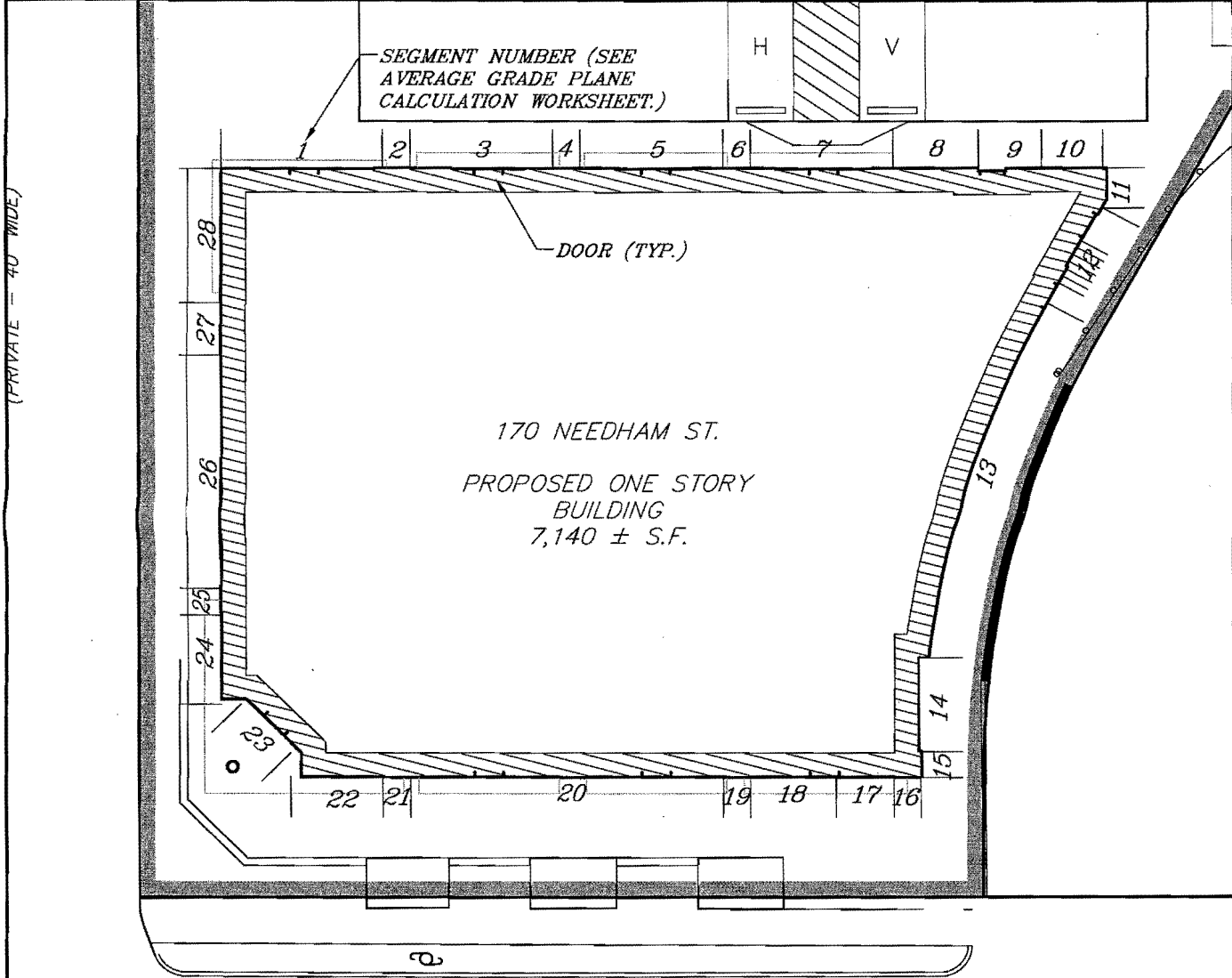
Very truly yours,



Alan J. Schlesinger

AJS:dnb

Cc: Alexandra Ananth



170 NEEDHAM ST.  
 PROPOSED ONE STORY  
 BUILDING  
 7,140 ± S.F.

**NEEDHAM STREET**  
 (PUBLIC - 60' WIDE)


FIRST FLOOR ELEVATION	110.0
HIGHEST RIDGE ELEVATION	134.5
AVERAGE GRADE PLANE ELEVATION	110.0
MAX. PERMITTED RIDGE ELEVATION	146.0

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DATE: 06/26/13 SCALE: 1" = 20'

170 NEEDHAM ST.  
 NEWTON, MA

**BUILDING  
 HEIGHT  
 EXHIBIT**

**KELLY ENGINEERING GROUP, INC.**  
 CIVIL ENGINEERING CONSULTANTS  

 0 CAMPANELLI DRIVE • BRAINTREE • MA 02184  
 PHONE: 781 843 4333 FAX: 781 843 0028  
 2013-028-M100-BLDG-HT

# ORDINANCE #Z-90 – AVERAGE GRADE PLANE

June 6, 2011

BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF NEWTON AS FOLLOWS:

That the Revised Ordinances of Newton, Massachusetts, 2007, as amended, be and are hereby further amended with respect to Chapter 30 Zoning Section 30-1, **Definitions**, as follows:

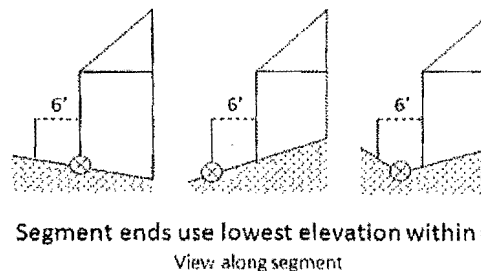
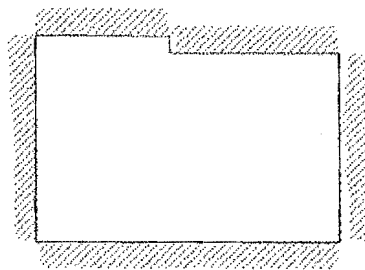
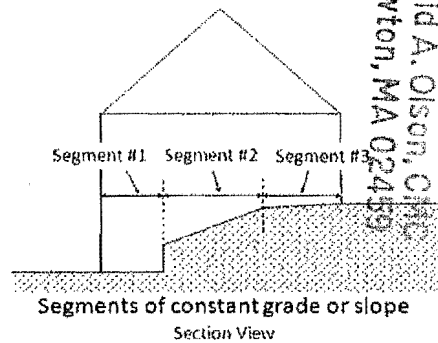
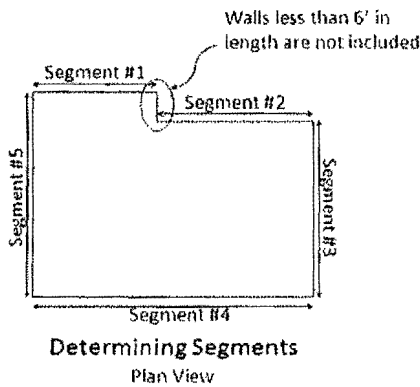
1. Delete the title and text and diagrams of the definition of "Grade Plane" in their entirety and insert in place thereof the following language and diagrams:

*Grade Plane, Average:* A horizontal reference plane for a building as a whole representing the average of finished grade elevations around the perimeter of a building, as determined by the length-weighted mean formula below. All walls of length greater than six feet shall be included in segments of consistent grade or slope.

$$\frac{\sum [(e1 + e2) L] \times L}{P}$$

Where:

- $\Sigma$  sums the weighted average grades of all segments;
- e1 and e2 are the elevations of the finished ground level at the respective ends of each segment, determined as the lowest point at each end of the segment within six feet of the foundation or the lot line, whichever is closer;
- L is the corresponding horizontal length of the segment; and
- P is total horizontal length of all segments.



David A. Olson, Clerk  
Newton, MA 02459

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Newton City Clerk

