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**MICHAEL J. MAZZUCCO, P.C.**

**CIVIL ENGINEER**

50 TA'AGAN POINT ROAD  
DANBURY, CONNECTICUT 06811

(203)744-0057  
FAX 797-9438

July 12, 2004

Common Council  
City of Danbury  
155 Dear Hill Avenue  
Danbury, CT 06810

RE: Resubdivision 11 Virginia Avenue (Construction Consultants, LLC)  
Planning Code No. SUB 0305

Dear Councilmen:

Pursuant to a letter from the engineering department I hereby request approval for the City to accept a fire hydrant that will be installed by the developer when the above referenced lots are built. This request came from a letter dated June 3, 2004 from Patricia A. Ellsworth, P.E., Assistant City Engineer.

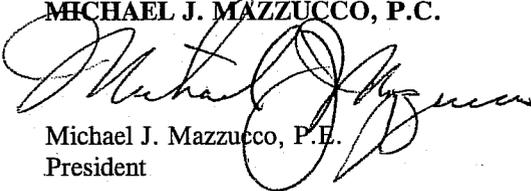
As noted in Item C of said letter, of which a copy is attached, Common Council approval is required as well as a Bill of Sale for the hydrant after it is found to be acceptable. It is understood that all costs associated with permits and the installation related to the hydrant will be the responsibility of the developer.

The newly proposed hydrant will be located in front of the proposed lots in the area of 11 Virginia Avenue.

If you have any questions regarding this proposal and request, please do not hesitate to give me a call.

Sincerely,

**MICHAEL J. MAZZUCCO, P.C.**



Michael J. Mazzucco, P.E.  
President

cc: P. Ellsworth, P.E.  
C. DaCunha



# CITY OF DANBURY

155 DEER HILL AVENUE  
DANBURY, CONNECTICUT 06810

ENGINEERING DEPARTMENT  
(203) 797-4641  
FAX (203) 796-1586

WILLIAM J. BUCKLEY, JR., P.E.  
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER

June 3, 2004

Mr. Dennis Elpern  
Planning Director  
City of Danbury  
155 Deer Hill Avenue  
Danbury, CT 06810

Dear Mr. Elpern:

**Proposed Resubdivision**  
11 Virginia Avenue  
Planning Code No. SUB 0305  
Assessor's Lot No. J11232, J11233, J11255-J11260

This office has reviewed the set of plans dated March 24, 2004 submitted to us on March 30, 2004.

We offer the following comments:

**A. Storm Drainage**

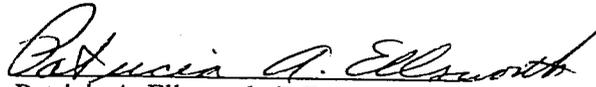
1. Pre-development and post-development runoff calculations for the proposed site based on a 25-year storm frequency are to be submitted for our review. Also, pipe sizing calculations for all proposed storm drainage pipes are to be submitted for review.
2. A note should be added to the plans stating the minimum pipe size, pipe type and minimum slope for the proposed roof drains.
3. Are we correct to assume that the detention galleries will drain completely between storm events given that the invert elevation of the outlet pipe is above the bottom elevation of the proposed detention galleries? The results of the proposed percolation and deep hole tests in the vicinity of the proposed galleries are to be submitted to us for review prior to construction. If the results of the tests show that the detention galleries will not drain between storms, the engineer may need to revise his calculations or design to agree with actual field conditions.

**B. Driveways and Sidewalks**

1. Concrete sidewalks and concrete curbing are to be installed along the frontages of the proposed lots on Virginia Avenue.

2. Concrete driveway aprons are required along the frontages of the proposed lots on Virginia Avenue. The sidewalk grades are to be carried across the driveways.
  3. How is it proposed to handle the existing driveway that serves House No. 13 (Boswell) that is partially located on Lot #3?
- C. Common Council approval will be required for the proposed fire hydrant. A Bill of Sale will need to be provided to the City after the fire hydrant is installed and found to be acceptable.
- D. Two three (3') feet high retaining walls are proposed. We remind the developer and engineer that if the walls end up being over three feet in height, they are to be designed by and constructed under the supervision of a State of Connecticut licensed professional engineer or architect.

Very truly yours,

  
Patricia A. Ellsworth, P.E.  
Assistant City Engineer

PAE/bcm

C: William Buckley, Jr., P.E.  
Mario Ricoszi, P.E.  
Francis Lollie  
Chris DeCunha, Construction Consultants  
Mike Mazzucco, P.E.