

ASB design group

October 23, 2017

Town of Boxford Planning Board
7A Spofford Road
Boxford, MA. 01921

Re: **Summary Letter – Driveway Permit, Lot 4A, Silvermine Road**
Prepared For: Frank and Carol Mahoney

15 Silvermine Road
Boxford MA. 01921

Job No.: 2016-30
Map 10 Block 2 Lot 3

Dear Members:

On behalf, our client Frank and Carol Mahonet, **ASB** design group, LLC (ASB) is submitting this Summary Letter in regrades to the Driveway Permit (Lot 4A Silvermine Road) for your review, comment and approval. The submittal includes:

- Summary Driveway Permit Approval Letter,
- Driveway Permit Application
- Sheet DP1 – Driveway Permit Plan Dated: October 23, 2017

PROJECT OVERVIEW

The subject property (Lot 4A) is located on south side of Silvermine as shown on Sheet DP1. A Form A Plan was submitted and approved by the Boxford Planning Board on July 19, 2017 for the creation of Lot 4A. The Form A Plan was recorded at the South Essex Registry of Deeds on September 5, 2017 (Plan Book 461, Plan 65).

Lot 4A will be serviced by new driveway off Silvermine Road. The 327' long driveway will be 14' wide and paved.

The stormwater from the new driveway will be directed to a 3' wide drainage swale located on the westerly side of the driveway. Five landscape catch basins (CB 1-5) are located within the westerly drainage swale. The catch basins will collect and then direct the stormwater runoff into a 6" ADS perforated drainage pipe imbedded in ¾" stone (see Sheet DP1).

A second drainage swale has been placed on the eastly side of the proposed driveway. Three landscape catch basins (CB 6-8) are located within the drainage swale will collect and then direct the stormwater runoff generated from the up-gradient site to the infiltration trench.

ASB design group

363 boston street, route 1, topsfield, ma 01867
781.944.5606 www.asbdesigngroup.com

Catch Basins 5 and 6 are located at the intersection of Silvermine Road and the new driveway. Each of the catch basins are within a low area intended to prevent any water from flowing onto Silvermine Road

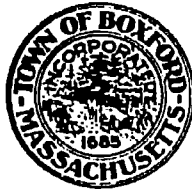
The driveway has a minimum of 50' of site distance in both directions (east and west) on Silvermine Road. A septic system has been submitted to the Boxford Board of Health for review and approval. There are no wetland resource areas associated with the proposed site.

If you have any questions and or concerns, please feel free to contact me at 978-500-8419
Sincerely,



ASB design group, LLC
Thad D. Berry, P.E.
Principal





**TOWN OF BOXFORD
PLANNING BOARD**

7A Spofford Road
Boxford, Massachusetts 01921
Phone: (978) 887-6000 x 191 Fax: (978) 887-0758
Email: rpovenmire@town.boxford.ma.us

APPLICATION FOR DRIVEWAY PERMIT

The purpose of this permit is to provide safe and adequate access for emergency and other vehicles from the public way to residential dwellings. It has been developed in accordance with §196-29 of the Boxford Zoning Bylaw. The applicant shall read the bylaw on the back of this page.

Name Frank Mahoney Date October 17, 2017

Driveway location/address Lot 4A Silvermine Road

Required Design Criteria	Compliance – Yes	No
1. Finished driveway width shall be no less than 9 feet	<u>X (14')</u>	<u> </u>
2. Grade for the first 25 feet of driveway from the public way – 3% or less	<u>X</u>	<u> </u>
3. 12% maximum slope along the centerline	<u>X</u>	<u> </u>
4. Any slope over 8% shall be paved	<u>X</u>	<u> </u>
5. Driveway apron should be 90° to the road	<u>X</u>	<u> </u>
6. Driveway apron should have curved flare radii of 6'	<u>X</u>	<u> </u>
7. No physical barriers on inside of driveway curves	<u>X</u>	<u> </u>
8. Rate of post-development runoff should not exceed pre-development runoff	<u>X</u>	<u> </u>
9. Water shall not flow from driveway onto road	<u>X</u>	<u> </u>
10. Sight distance shall exceed 50' in both directions	<u>X</u>	<u> </u>
11. Driveways longer than 500' shall have a turn-around	<u>N/A (327')</u>	<u> </u>
12. No cut or fill shall exceed 8' from the natural topography	<u>X</u>	<u> </u>
13. Shared driveways shall be no closer than 100' apart	<u>N/A</u>	<u> </u>
14. Shared portion of a driveway shall be no less than 12 feet	<u>N/A</u>	<u> </u>

The Superintendent of Public Works and Fire Chief may impose other conditions at their discretion to ensure safe access and to prevent any damage or dangerous situation(s) because of drainage, icing, etc. onto public roads. These conditions are indicated below.

Applicant Signature Frank A. Mahoney Date 17 OCT 2017

Planning Board Approval _____ Date _____

Conditions:

§196-29. Driveways

It shall be unlawful to install, construct, reconstruct or relocate any driveway without first obtaining a driveway permit from the Planning Board. Normal maintenance such as repairs and repaving shall be exempt provided repairs and repaving do not increase water runoff onto the public way or abutting lots.

A. Driveways for detached single-family houses shall comply with the following:

1. Layouts and configurations shall avoid excessive curves, switchbacks, and slopes to provide optimal safety for access to and from the dwelling site.
2. To the extent possible, the driveway apron shall be aligned at ninety degrees (90°) to the road and have curved flare radii of six feet (6') between the road and drive.
3. No person or persons shall cut or destroy any tree on Town property (right-of-way along side of the road), without first obtaining the approval of the Boxford Planning Board and the Boxford Tree Warden. No person or persons shall remove, alter, or destroy any stone wall on or bordering Town property (right-of-way along side of the road) without first obtaining the approval of the Boxford Planning Board in accordance with the Scenic Road bylaw.

B. Single driveways shall meet the following standards.

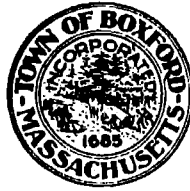
1. All single driveways shall have a finished width no less than nine feet (9').
2. The first twenty-five feet (25') in from the paved portion of the public way shall have a maximum slope of three percent (3%); the maximum driveway slope along the centerline shall be twelve percent (12%); any slopes over eight percent (8%) shall be paved. To preserve the stability of the existing natural topography, no cut or fill in excess of eight feet (8') of the natural topography shall be allowed within the limits of the driveway cross section.
3. The slope grade shall allow rapid emergency access during normal weather conditions. No physical barrier shall be located on the inside of the curves that could impede fire truck or emergency vehicle access.
4. The rate of runoff during construction and post-development shall not exceed the rate of pre-development runoff.
5. After driveway completion, water runoff from the new driveway shall not be allowed to enter onto the public right-of-way and abutting property at any time.
6. The Planning Board may impose conditions on the construction, re-construction or relocation of a driveway at their discretion to ensure safe access onto public roads and to prevent any damage or dangerous situation(s) due to drainage, icing, or other hazards. The conditions may incorporate recommendations made by the Fire Chief, Police Chief and Superintendent of Public Works.
7. The Superintendent of Public Works and Fire Chief may impose other conditions at their discretion to ensure safe access and to prevent any damage or dangerous situation(s) because of drainage, icing, etc. onto public roads.
8. Sight distance entering the public way, shall be fifty feet (50') in either direction to the best extent possible.
9. During construction, no debris shall be left on the road or shoulder; nor shall drainage structures, culverts, or ditches be blocked or impeded at any time.
10. All driveways longer than five hundred feet (500') shall have a turn-around location within twenty-five feet (25') of the dwelling for large vehicle turnaround.
11. Driveways shall conform to all other rules and regulations of the Town of Boxford.

C. Shared Driveways shall conform to all the regulations as set forth in Subsection B and §196-13B (11) (m) of the Zoning Bylaw, plus the following:

1. The shared driveway shall not enter the roadway at a point separated by less than one hundred feet (100') (centerline to centerline) from any other driveway or intersection.
2. The shared portion of the driveway shall have a finished width no less than twelve feet (12') plus a one foot (1') level shoulder on either side.

D. Application

1. The driveway location, layout, slopes, drainage, and associated improvements, shall be shown on a plan prepared by a professional architect, engineer, or landscape architect. The Planning Board at its sole discretion may waive the requirements for a driveway site plan.
2. Four copies of the plan shall be submitted to the Planning Board for review. The Planning Board may circulate the copies to the Fire Chief, Police Chief, and the Superintendent of Public Works.
3. The Fire Chief, Police Chief, and the Superintendent of Public Works may return recommendations within 14 days to the Planning Board. If no recommendations are received within 14 days to the Planning Board, the official failing to submit a report shall be deemed to have approved the proposed work on the driveway.



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APPLICATION FOR DRIVEWAY PERMIT

Fire Chief Brian Geiger
Police Chief James Riter
DPW Superintendent John Dold

The attached driveway permit has been submitted for review by the Planning Board. Could you please review the plans and send any comments and suggested conditions to me by: _____

Thanks,

Ross Povenmire,
Boxford Planning Board Administrator

Ross Povenmire

From: Michael Soltys
Sent: Tuesday, November 07, 2017 1:49 PM
To: Ross Povenmire
Cc: Brian Geiger
Subject: Driveway Plans

Good afternoon Mr. Povenmire,

The Boxford Fire Department has no issues or concerns with either of the driveway plans reviewed for 48 Boren Lane or 15 Silvermine Rd.

Have a nice day

Lieutenant Michael Soltys
Boxford Fire Department
Fire Prevention
msoltys@town.boxford.ma.us
1-978-887-5725

[Boxford Fire Facebook Page](#)

Ross Povenmire

From: John Dold
Sent: Monday, November 06, 2017 11:42 AM
To: Ross Povenmire
Subject: Lot 4A Silvermine

Ross,
I have reviewed the Application for Driveway Permit for Lot 4A Silvermine Road, Frank Mahoney. I also reviewed a plan, DP-1, prepared by ASB Design Group for the property. I have the following comments for each of the Required Design Criteria:

- 1.) OK
- 2.) OK
- 3.) OK, 9% max slope from my calculation
- 4.) OK
- 5.) OK
- 6.) Plan shows a 20 foot radius for the curve of the driveway apron, not 6'
- 7.) OK
- 8.) OK The drawing indicates an extensive drainage plan for the driveway. My assumption is that the contractor will adhere to the Notes on the Plan, especially Note #5, "Existing soils should be evaluated to ensure proper structural and permeability specifications." Suggestion: Stipulate that driveway drainage be inspected by Town and ASB Design Group during construction.
- 9.) OK
- 10.) OK
- 11.) N/A
- 12.) OK
- 13.) N/A
- 14.) N/A

John

John C. Dold, PE
Town of Boxford, Massachusetts
DPW Superintendent/Town Engineer
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Fax 978-352-5558
Mobile 978-375-1711