

**HOPKINTON SCHOOL COMMITTEE**  
**Thursday, March 19, 2015**  
**Regular Meeting 7:00 PM**  
**Middle School Library**  
**AGENDA**

**I. Pledge of Allegiance**

**II. Public Comments: 7:00**

**III. Reports to the School Committee**

- A. 7:10 – 7:15: High School Student Advisory Council Representative
- B. 7:15 – 7:20: Superintendent’s Report – Dr. MacLeod
- C. 7:20 – 7:25: School Committee Chair Report
- D. 7:25 – 7:30: ESBC – Mr. Grazino
- E. 7:30 – 7:40: HCA Easement Report – Mr. Joseph

**IV. New Business** – No new business this meeting

**V. Old Business**

- A. 7:40 – 7:55: High School and Hopkins School Roof Updates – Mr. Dumas
- B. 7:55 – 8:05: Elementary School Start Times – Dr. MacLeod [action required]

**VI. Public Comments: 8:05**

**VII. Items by Consensus: 8:15**

- A. The Superintendent recommends the School Committee vote to approve the Operating Budget & Other Funds Warrant #15-047 in the amount of \$213,749.69
- B. The Superintendent recommends the School Committee vote to approve the High School Student Activities Warrant #15-048 in the amount of 5,242.82.
- C. The Superintendent recommends the School Committee vote to approve \$1,900.03 from the “The Sky’s the Limit” fundraiser be placed in the Middle School Gift Account as indicated in the agenda materials.
- D. The Superintendent recommends the School Committee vote to approve \$452.12 from Targets “Take Charge of Education” program be placed in the Hopkins School Gift Account as indicated in the agenda materials.

**VIII. Adjournment**

**IX. Next Meetings**

Thursday, April 2, 2015 @ 7:00 PM  
Thursday, April 16, 2015 @ 7:00 PM

Middle School Library – Regular Meeting  
Middle School Library – Regular Meeting

Hopkinton School Committee  
*Guidelines for the Public*

***“All meetings of the School Committee, except Executive Sessions, shall be open to the Public”.***

**School Committee Operational Goals**

The School Committee is responsible to the people for whose benefit the school system has been established. The Committee's current decisions will influence the course of education in our schools for years to come. The Committee and each of its members must look to the future and to the needs of all people more than the average citizen finds necessary. This requires a comprehensive perspective and long-range planning in addition to attention to immediate problems.

The School Committee's primary responsibility is to establish those purposes, programs, and procedures that will best produce the educational achievement needed by our students. The Committee is charged with accomplishing this while also being responsible for wise management of resources available to the school system. The Committee must fulfill these responsibilities by functioning primarily as a legislative body to formulate and adopt policy, by selecting an executive officer to implement policy, and by evaluating the results.

Massachusetts General Laws govern much of the operations and procedures of the school committee. The policies and guidelines contained herein offer greater guidance for the Hopkinton School Committee. *(Policy BA)*

**Availability of Meeting Materials**

Copies of the agenda and any materials that are considered public information may be obtained through the Superintendent's office at a fair and reasonable cost per page. Citizens wishing to obtain an agenda prior to the scheduled meeting should do so before the close of business on the day of the meeting. *(Policy BE)*

For the public's convenience, agendas for regular meetings are generally posted on the school district's website before the date of the meeting. Key presentations are generally posted after the meeting and minutes are posted within a reasonable time frame after the school committee votes to approve them. The district website is [www.hopkinton.k12.ma.us](http://www.hopkinton.k12.ma.us).

**Public Comment**

The School Committee welcomes citizens of the District to attend its meetings so that they may become better acquainted with the operations and programs of our local public schools.

If citizens would like to comment to the School Committee, they may do so by mail, email or phone at any time. Contact information is available through the Superintendent's Office.

In order for all citizens to have a chance to be heard and to ensure the ability of the Committee to conduct the district's business in an orderly manner, the committee will follow the rules as established in its policy BEDH, titled "Public Participation At Committee Meetings."

The Committee will welcome comments from the public at regular meetings on both agenda and non-agenda items during a public comment period specifically set on the agenda. *(Policy BEDH)*



February 11, 2015

Woburn, MA 01801-1851  
Tel: (781) 933-3711 Fax: (781) 287-1277  
Email: lep@lindeneng.com

Hopkinton Center for the Arts  
C/o Mr. Chuck Joseph  
RE/MAX Executive Realty  
22 South Street, Suite 203  
Hopkinton, MA 01748

RE: Report on Fire Protection System Calculations, Hopkinton Center for the Arts  
98 Hayden Rowe Street, Hopkinton, MA

Dear Mr. Joseph:

This correspondence is in regard to the system modelling and analysis performed by our firm for the above referenced project. The purpose of the work was to assess the potential connection of the fire protection water supply for the Hopkinton Center for the Arts building to the existing water system for the adjacent Hopkinton High School. The existing water system for the High School was designed by me when I was at Martinage Engineering Associates, Inc. in 1998-1999. The system was installed and tested in 2000-2001.

Using the information available to us, we prepared a model of the potential connection to the High School water system and we analyzed a few scenarios for the system. The water system layout used for the modelling was based on the final design plans as we do not have as-built plans of the water piping. In addition, we presently do not have any actual testing for present fire and domestic pump functional capabilities and no actual testing for pipe "C" factors.

Therefore the calculations were based on the assumption that the pumps are continuing to function in accordance with the original specifications and the water system piping is in good condition. Other assumptions used in the calculations are as follows:

- The calculations assume that the suction pressure for the fire and domestic pump system is 0 psi (tank nearly empty, same assumption as for the high school design)
- The calculations assume that the domestic pumping system in the water booster station is functioning as designed and is capable of delivering the peak domestic demand for the High School at the 110 psi design pressure;

Hopkinton Center for the Arts, c/o Mr. Chuck Joseph

RE: Report on Fire Protection System Calculations, Hopkinton Center for the Arts  
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- The calculations assume that the fire pump in the water booster station is functioning as designed and is capable of delivering the 2,500 gpm design flow for the High School at the 110 psi design pressure;
- The calculations assume that both the fire and domestic pump systems function coincidentally (as originally designed);
- The calculations assume that all the valves in the water system are fully open;
- The calculations assume that the Hazen Williams C factor (resistance to flow) for the water system pipe was 110 (new ductile iron pipe has a C of 140 to as high as 160);
- The calculations assume that the Hazen Williams C factor for the water system pipe was 100 for the worst case scenario analysis;
- The calculations assume that the High School peak domestic flow was 600 gpm (the original design value) and occurs coincidentally with a fire event at the Arts Center. The results DO NOT assume coincident fire events at the Arts Center and the High School;
- The calculations assume that the Arts Center Fire Flow demand is 650 gpm (provided by your Engineers) and we added 2 hose streams at 250 gpm each to that flow for a total flow of 1,150 gpm;
- The calculations assume that no domestic flow for the Arts Center would be taken from the new pipe (fire flow only);
- For the worst case scenario the calculations assume a High School peak domestic flow increased to 650 gpm, the Arts Center Fire Flow demand increased to 750 gpm and we added 3 hose streams at 250 gpm each (for a total flow to the Arts Center of 1,500 gpm);
- The calculations assume that the High School survey information and the elevations for the Arts Center are on the same elevation DATUM (which appears to be the case from an examination of the plans);
- All results for the Arts Center are reported relative to the Arts Center first floor grade we were given (539.35) at a point just outside of the building.

Based on all the above assumptions and parameters, the general scenario results indicate a residual pressure of 95 psi in the system reported at the Arts Center (Pipe C = 110, H.S. domestic

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flow = 600 gpm, Arts Center fire flow = 650 gpm + 2 x 250 gpm hose streams). Based on all the above the worst case scenario results indicate a residual pressure of 82 psi in the system reported at the Arts Center (Pipe C = 100, H.S. domestic flow = 650 gpm, Arts Center fire flow = 750 gpm + 3 x 250 gpm hose streams).

Please note that the results reported do not include any piping and fitting losses from outside the building to the first floor through the sprinkler piping (such as valves, check valves, bends, pipe size reductions and piping). Also please note that the results obtained in the field through testing will likely be better than the results predicted herein. The modeling results are necessarily (as public safety is involved) based on a number of conservative assumptions most of which will not exist when actual testing is performed.

I believe that your sprinkler design engineers were looking for a residual pressure of 80 psi. Based on the above it appears that this can likely be achieved provided the pumping systems are presently functioning as designed and the piping system is in good condition.

The above modelling and calculation results can be refined when the fire pump and pipe c factor testing is completed. I would expect that the pumping systems are functioning as intended by the design and that the pipe C factors are better than we used in the calculations.

Please feel free to call us if you have any questions regarding the results of the modelling.

Very truly yours,

**LINDEN ENGINEERING PARTNERS, LLC**



William A. Jones, Sr. Partner



Richard G. Cutts, P.E., President



# MEMORANDUM

**TO:** Cathy MacLeod  
Superintendent of Schools

**FROM:** Alan M. Keller  
Principal, Middle School

**DATE:** March 6, 2015

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On behalf of Hopkinton Middle School, please accept the following checks listed below in the amount of \$1,000 to be deposited into the Middle School Gift Account #1239 for "The Sky's the Limit" Courtyard Project.

Dr. Steven Perryman, OD  
Hopkinton Vision Center  
10 Cedar Street  
Hopkinton, MA 01748

\$1,000.00



# Memo

✓ **To:** Dr. Cathy MacLeod  
**From:** Tim Kearnan  
**CC:** School Committee; Debbie Bartolomeo  
**Date:** 3/4/2015  
**Re:** Gift Account Deposit – Acct. No. 240006 579900 HOPGA

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Edward Hopkins School would like to ask the School Committee to please accept Check No. 2680417 in the amount of \$452.12, which is to be deposited into the Hopkins School Gift Account, No. 240006 579900 HOPGA. This money was earned by friends of Hopkins' who participate in Target's *Take Charge of Education* program.

Thank you.

A handwritten signature in black ink, appearing to be 'Tim Kearnan', with a long horizontal line extending to the right.