



Deval L. Patrick
Governor

Timothy P. Murray
Lieutenant Governor

Kevin M. Burke
Secretary

The Commonwealth of Massachusetts

Department of Public Safety Board of Building Regulations and Standards

One Ashburton Place, Room 1301

Boston, Massachusetts 02108-1618

Phone (617) 727-7532 Fax (617) 227-1754

TTY (617) 727-0019

www.mass.gov/dps

Thomas G. Gatzunis, P.E.
Commissioner

Alexander MacLeod, R.A.
Chairman

Gary Moccia, P.E.
Vice Chairman

Robert Anderson
Administrator

Date: June 16, 2009

Name of Appellant: Kevin Hastings

Service Address: Sullivan Code Group
The Schrafft Center
529 Main Street, Suite 203
Boston, MA. 02129-1107

In reference to: Cambridge Public Library
359 Broadway
Cambridge, MA. 02139

Docket Number: 09-735

Property Address: Cambridge Public Library
359 Broadway
Cambridge, MA. 02139

Date of Hearing: 05-07-09

Enclosed please find a copy of the decision on the matter aforementioned.

Sincerely:

BUILDING CODE APPEALS BOARD

Patricia Barry, Clerk

cc: Building Code Appeals Board
Building Official

COMMONWEALTH OF MASSACHUSETTS
State Building Code (780 CMR) Appeals Board
Board's Ruling on Appeal¹

Docket No. 09-735

Appellant(s): City of Cambridge
represented by Kevin Hastings

vz.

Appellee(s): City/Town of Cambridge
David Byrne

Procedural History

This matter came before the State Building Code Appeals Board ("Board") on the Appellant's appeal filed pursuant to 780 CMR 122.1. In accordance with 780 CMR 122.3, the Appellant requested that the Board grant a variance from the 6th Edition of 780 CMR 904.2 and 906.2.1, for the Cambridge Public Library, 359 Broadway, Cambridge, MA. In accordance with GL c. 30A, §§10 & 11; GL c. 143, §100; 801 CMR 1.02 *et. seq.*; and 780 CMR 122.3.4, the Board convened a public hearing on May 7, 2009 where all interested parties were provided with an opportunity to testify and present evidence to the Board.

Kevin Hastings appeared and testified on behalf of the appellant. David Byrne and others were present as well as indicated on the sign in sheet on file at the Department of Public Safety.

Discussion

A motion was made to grant the Appellant's request for a variance from 6th Edition of 780 CMR 904.2 and 906.2.1, based on the testimony presented and that the vault will be constructed consistent with the intent of the 7th edition 780 CMR including meeting the ventilation requirements found in same. There was a second on the motion and a board vote was taken, which was unanimous.

Conclusion

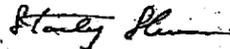
The Appellant's request for a variance from 6th Edition of 780 CMR 904.2, and 906.2.1, is hereby granted as described in the discussion above and so ordered² on this date: May 7, 009.



Douglas Semple



Timothee Rodrique



Stanley Shuman

¹ This is a concise version of the Board's decision. You may request a full written decision within 30 days of the date of this decision. Requests must be in writing and addressed to: Department of Public Safety, State Building Code Appeals Board, Program Coordinator, One Ashburton Place, Room 1301, Boston, MA 02108 ²In accordance with M.G.L. c. 30A, §14, any person aggrieved by this decision may appeal to the Superior Court within 30 days after the date of this decision.

STATE BUILDING CODE APPEALS BOARD SIGN-IN SHEET

Docket Number 09-735 Appellant Hastings Building Official Byme
 Hearing Date 05-07-09 Hearing Time 10:30 a.m.
 Appeals Board Members Shuman : Semple : Rodrigue

PLEASE PRINT LEGIBLY

<u>Name</u>	<u>Address</u>	<u>Telephone</u>
Jan Pendergast	234 Summer St. Boston MA 02117	617-423-7423
NEVIN HASTINGS	R. W. SHUMAN, 524 MATW ST., BOSTON MA 02118	617-337-9319
Stan Burne	City of Cambridge, OWNER	
Kevin Besseron	William Rawn Assoc	617-423-3470
David Byrns	831 MASS AVE Inspector	617-369-6130
KEVIN AMARO	WILLIAM RAWN ASSOC., 10 POST OFFICE SQ,	617-423-3470
Douglas Sample	BBRS	
Tim Fodoros	BBRS	
Stanley Shuman	BBRS	
Patricia Sam	BBRS	

STATE BUILDING CODE APPEALS BOARD

OPENING STATEMENT:

Mr. Chairman:

The date is: ⁷ May 6, 2009 the docket # is 09-735

The appellant is: Kevin Hastings, Sullivan Code Group

The Schrafft Center, 529 Main St., Suite 203, Boston, MA. 02129-1107

The property involved is:

Cambridge Public Library, 359 Broadway, Cambridge, MA. 02139

The appeal is based on the provisions of the 6th Edition of the State Building Code relative to: (Section/Table)

Relief desired:

780 CMR Sections 904.2, 906.2.1

DECISION: (Please complete this section at the hearing).

The Building Official supported/opposed the appeal filing:

Board members voted to:

Grant Appeal

Deny Appeal

Reason for approval/denial: _____

The decision was _____ unanimous/ objected to by: _____

Reason for objection: _____

Provisos (if any): _____

BOARD: _____

STATE BUILDING CODE APPEALS BOARD

DOCKET NUMBER: 09-735

PROPERTY ADDRESS: Cambridge Public Library, 359 Broadway, Cambridge

APPELLANT: Kevin Hastings

BUILDING OFFICIAL: David Byrne

(check one)

Item #	Item	Document Dated	Date Received	Appellant	Building Official
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

State Building Code Appeals Board

Summary to be filled out by Appeals Board Clerk

Pursuant to Docket no. (insert Docket no.) 09-735

Based on the following findings of fact/testimony:

1. _____
2. _____
3. _____
4. _____

A motion was made by (insert Board member name) Doug

A second was made by (insert Board member name) Stan

The motion is:

Motion was made by Doug to grant the variances

With the following conditions:

1. _____
2. _____
3. _____

The Board voted (to (check one) grant ___ or deny ___ the variance

from 780 CMR Sections (cite all sections that apply) 780 CMR Sections 904.2 + 906.2.1

Members voting for the motion: _____

Members voting against the motion: _____



The Commonwealth of Massachusetts

Department of Public Safety

Board of Building Regulations and Standards

One Ashburton Place, Room 1301

Boston, Massachusetts 02108-1618

Phone (617) 727-7532 Fax (617) 227-1754

TTY (617) 727-0019

www.mass.gov/dps

Deval L. Patrick
Governor

Timothy P. Murray
Lieutenant Governor

Kevin M. Burke
Secretary

Thomas G. Gatzunis, P.E.
Commissioner

Alexander MacLeod, R.A.
Chairman

Gary Moccia, P.E.
Vice Chairman

Robert Anderson
Administrator

29-Apr-09

Mr./Mrs. Kevin Hastings
The Schrafft Center, 529 Main St., Suite 203
Boston, MA. 02129-1107

Docket Number 09-735
Property Address Cambridge Public Library, 359 Broadway Cambridge, MA. 02139
Hearing Location 1380 Bay Street Taunton, MA. 02780
Hearing Date and Time 05-07-09 10:30 a.m.

Dear Mr./Mrs. Hastings

The appeal for the subject property has been scheduled to be heard on the hearing date and time and location indicated above. A map is enclosed for your convenience.

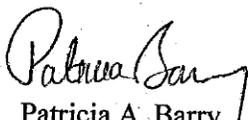
The State Building Code Appeals Board requires your presence or that of your representative at its hearing relative to the above case.

Please bring with you a copy of the record, including any plans, sketches, drawings, etc, that will help to give the Appeals Board grounds to adjudicate this appeal. The State Building Code Appeals Board hearings are held pursuant to 801 CMR 1.02 Informal Fair Hearing Rules.

NO POSTPONEMENTS OR REFUNDS WILL BE GRANTED. In order to reschedule an appeal case, you must first withdraw the original case and file a new application. A new application fee will be required.

Very truly yours,

THE STATE BUILDING CODE APPEALS BOARD


Patricia A. Barry
Coordinator



The Commonwealth of Massachusetts

Department of Public Safety

Board of Building Regulations and Standards

One Ashburton Place, Room 1301

Boston, Massachusetts 02108-1618

Phone (617) 727-7532 Fax (617) 227-1754

TTY (617) 727-0019

www.mass.gov/dps

Deval L. Patrick
Governor

Timothy P. Murray
Lieutenant Governor

Kevin M. Burke
Secretary

Thomas G. Gatzunis, P.E.
Commissioner

Alexander MacLeod, R.A.
Chairman

Gary Moccia, P.E.
Vice Chairman

Robert Anderson
Administrator

29-Apr-09

Mr./Mrs. Byrne
Building Commissioner
ISD, 831 Massachusetts Avenue
Cambridge, MA. 02139

Docket Number	09-735
Property Address	Cambridge Public Library, 359 Broadway Cambridge, MA. 02139
Hearing Location	1380 Bay Street Taunton, MA. 02780
Hearing Date and Time	05-07-09 10:30 a.m.

Dear Mr./Mrs. Byrne

The appeal for the subject property has been scheduled to be heard on the hearing date and time and location indicated above. A map is enclosed for your convenience.

The State Building Code Appeals Board requires your presence or that of your representative at its hearing relative to the above case.

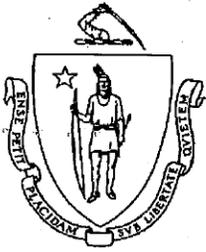
Please bring with you a copy of the record, including any plans, sketches, drawings, etc, that will help to give the Appeals Board grounds to adjudicate this appeal. The State Building Code Appeals Board hearings are held pursuant to 801 CMR 1.02 Informal Fair Hearing Rules.

NO POSTPONEMENTS OR REFUNDS WILL BE GRANTED. In order to reschedule an appeal case, you must first withdraw the original case and file a new application. A new application fee will be required.

Very truly yours,

THE STATE BUILDING CODE APPEALS BOARD

Patricia A. Barry
Coordinator



The Commonwealth of Massachusetts

Department of Public Safety

Board of Building Regulations and Standards

One Ashburton Place, Room 1301

Boston, Massachusetts 02108-1618

Phone (617) 727-7532 Fax (617) 227-1754

TTY (617) 727-0019

www.mass.gov/dps

Deval L. Patrick
Governor

Timothy P. Murray
Lieutenant Governor

Kevin M. Burke
Secretary

Thomas G. Gatzunis, P.E.
Commissioner

Alexander MacLeod, R.A.
Chairman

Gary Moccla, P.E.
Vice Chairman

Robert Anderson
Administrator

29-Apr-09

Chief Gerald R. Reardon
491 Broadway
Cambridge, MA 02138

Docket Number	09-735
Property Address	Cambridge Public Library, 359 Broadway Cambridge, MA. 02139
Hearing Location	1380 Bay Street Taunton, MA. 02780
Hearing Date and Time	05-07-09 10:30 a.m.

Dear Chief Gerald R. Reardon

The appeal for the subject property has been scheduled to be heard on the hearing date and time and location indicated above. A map is enclosed for your convenience.

This notice is forwarded to you by the State Building Code Appeals Board as a courtesy. You are not compelled to attend but are encouraged to do so if you have a particular interest in the case.

If you have any questions relative to the above referenced appeal, please contact your BUILDING OFFICIAL.

Very truly yours,

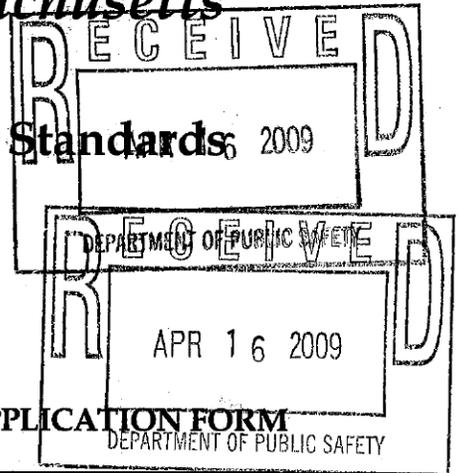
THE STATE BUILDING CODE APPEALS BOARD

Patricia A. Barry
Coordinator



The Commonwealth of Massachusetts

Department of Public Safety
 Board of Building Regulations and Standards, 2009
 One Ashburton Place, Room 1301
 Boston, Massachusetts 02108-1618
 Phone (617) 727-7532
 Fax (617) 227-1754



STATE BUILDING CODE APPEALS BOARD APPEAL APPLICATION FORM

DEPARTMENT OF PUBLIC SAFETY

DOCET NUMBER (State Use Only)	09-735	DATE	April 15, 2009
----------------------------------	--------	------	----------------

The undersigned hereby appeals to the State Board of Building Regulations and Standards from the decision of the following person. (Please fill-in the name of the appropriate municipal or state building inspector or other authority. Also, Also indicate if this is a request for a *hearing de novo* (new hearing) relative to a decision of a municipal appeals board.)

Building Official from the City/Town of:	Cambridge David Byrne
Board of Appeals from the City/Town of: (Request for <i>hearing de novo</i>)	
State Building Official:	
Other:	

Please mark the appropriate box indicating the requested action to be considered by Appeals Board members.

Variance	<input checked="" type="checkbox"/>	Order	<input type="checkbox"/>	Direction	<input type="checkbox"/>
Interpretation	<input type="checkbox"/>	Failure to Act	<input type="checkbox"/>	Other	<input type="checkbox"/>
STATE USE ONLY					
Fee Received	150.00				
Check Number	21433				
Received By	P. B. M.				

(This section must be completed or the application will be returned.)

Has the building or structure been the subject of an appeal by this or any other appeals board previous to this filing?

No Yes If, yes, please indicate the date of the previous appeal, whether the matter was heard before a local or state appeals board, the code section that was at issue, and the specifics of the decision (i.e. a variance was granted/not granted).

Please take care to submit all written supporting documentation with this application to allow time for review. However, Board members reserve the right to continue proceedings if such material warrant extensive review.

Please provide a brief description of the desired relief below. Additional information may be attached if space is not sufficient. All appropriate code sections that are subject to appeal must be identified in the description.

780 CMR Sections 904.2 and 906.2.1 relief sought to allow the omission of sprinkler protection in an new electrical transformer vault. (See attached for additional information).

Please complete the following section completely and accurately.

Name of Appellant:	Kevin S. Hastings	Representing:	Architect - William Rawn Associates
Address For Service	R. W. Sullivan, Inc. The Schrafft Center		
	529 Main Street, Suite 203 Boston, MA 02129-1107		
Telephone Number:	617-337-9319	Fax Number:	617-523-8016
Address of Subject Property (if different from service address):	Cambridge Public Library		
	359 Broadway Cambridge, Massachusetts		
What is appellant's connection to subject property?	Consultant / Owner's Representative		


Signature of Appellant and/or Representative

Kevin S. Hastings
Please Print Name Legibly

Please return applications to:
Program Manager, Board of Appeals
Board of Building Regulations and Standards - One Ashburton Place, Room 1301
Boston, MA 02108-1618

DESCRIPTION OF BUILDING OR STRUCTURE RELATIVE TO THE MASSACHUSETTS STATE BUILDING CODE (7th EDITION): (Check as appropriate)

Do not complete the tables below for one and two family dwellings. Proceed to section entitled "Brief Description of the Proposed Work".

DESCRIPTION OF PROPOSED WORK (check all applicable)

New Construction <input checked="" type="checkbox"/>	Existing Building	Repair(s)	Alteration(s)	Addition
Accessory Bldg.	Demolition	Other Specify: _____		

Brief Description of Proposed Work:

The Cambridge Public Library is demolishing the 1967 addition and constructing a new three story addition on the east side of the existing building (all constructed of Type 3A construction). Also, a new one story underground parking garage is also being constructed of Type 2C construction, separated from the other buildings by a firewall.

USE GROUP AND CONSTRUCTION TYPE

USE GROUP (Circle appropriate Use Group)				CONSTRUCTION TYPE	
<u>A Assembly</u>	A-1	A-2	<u>A-3</u>	1A	
	A-4	A-5		1B	
<u>B Business</u>				2A	
E Educational				2B	
F Factory	F-1	F-2		2C	X
H High Hazard				3A	X
I Institutional	I-1	I-2	I-3	3B	
M Mercantile				4	
R Residential	R-1	R-2	R-3	5A	
<u>S Storage</u>	<u>S-1</u>	S-2		5B	
U Utility	Specify: _____				
M Mixed Use	Specify: _____				
S Special Use	Specify: _____				

COMPLETE THIS SECTION IF EXISTING BUILDING UNDERGOING RENOVATIONS, ADDITIONS AND/OR CHANGE IN USE

Existing Use Group: <u>A-3, B, & S-1</u>	Proposed Use Group: <u>A-3, B, & S-1</u>
Existing Hazard Index (780 CMR 34): <u>5, 3, & 2</u>	Proposed Hazard Index (780 CMR 34): <u>5, 3, & 2</u>

BUILDING HEIGHT AND AREA

BUILDING AREA	Existing (if applicable)	Proposed
Number of Floors or stories include basement levels	5	5
Floor Area per Floor (sf)	25,000 ft ² (approx.)	25,000 ft ² (approx.)
Total Area (sf)	74,000 ft ² (approx.)	74,000 ft ² (approx.)
Total Height (ft)	57 ft. (approx.)	57+ ft. (approx.)

Brief Description of the Proposed Work:

Please see attachment.

STATE BUILDING CODE APPEALS BOARD
Service Notice

I, Kevin S. Hastings, as _____ Representative _____ for the

Appellant/Petitioner William Rawn Associates in an appeal filed with the State

Building Code Appeals Board on April 15, 2009

HEREBY SWEAR UNDER THE PAINS AND PENALTIES OF PERJURY THAT IN ACCORDANCE WITH THE PROCEDURES ADOPTED BY THE STATE BOARD OF BUILDING REGULATIONS AND STANDARDS AND SECTION 122.3.1 OF THE STATE BUILDING CODE, I SERVED OR CAUSED TO BE SERVED, A COPY OF THIS APPEAL APPLICATION ON THE FOLLOWING PERSON(S) IN THE FOLLOWING MANNER:

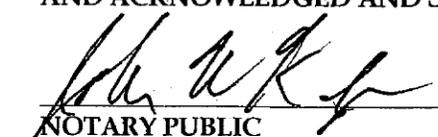
	NAME AND ADDRESS OF PERSON OR AGENCY SERVED	METHOD OF SERVICE	DATE OF SERVICE
1	David Byrne City of Cambridge Inspectional Services Department 831 Massachusetts Avenue Cambridge, Massachusetts 02139	Certified Mail with Return Receipt	April 15, 2009
2	Captain Sandy Francis Cambridge Fire Department - Bureau of Fire Prevention 491 Broadway Cambridge, Massachusetts 02138	Certified Mail with Return Receipt	April 15, 2009
3			


Signature: Appellant or Petitioner

On the 15th Day of April 2009 PERSONALLY APPEARED

BEFORE ME THE ABOVE NAMED Kevin S. Hastings
(Type or Print the Name of the Appellant)

AND ACKNOWLEDGED AND SWORE THE ABOVE STATEMENTS TO BE TRUE.


NOTARY PUBLIC

Nov, 23, 2012
MY COMMISSION EXPIRES

**Cambridge Public Library
359 Broadway, Cambridge
State Building Code Appeals Board Attachment**

Project Summary: The original building of the Cambridge Public Library will be renovated in its entirety. The 1967 west side addition will be totally demolished and replaced with a new three story addition on the east side of the existing building. A new one story underground parking garage has also been constructed. The plans also include a new transformer vault, which can only be accessed via the underground parking garage (see attached plans).

Code Requirement: 780 CMR 904.2 and 906.2.1 (NFPA 13): The entire building including the vault is required to be protected with sprinkler protection.

Relief Requested: Omit sprinkler protection in renovated electrical transformer vault as required by NSTAR.

Supporting Argument: The vault will be constructed similar to other vaults given the same relief and consistent with the intent of the 7th Edition of the Massachusetts State Building Code (780 CMR 903.2 Exception 6). These additional construction and protection measures include:

1. All electrical cables in vault are flame retardant.
2. Three hour vault rating.
3. The vault is less than 2,400 ft². The actual vault size is approximately 525 ft².
4. Vault is located 1 story below grade. Access is through the underground parking garage via the vehicle ramp or stair leading directly to grade. Although a dedicated 2-hour rated passage leading to the vault is not provided, the entire garage is separated from the occupied portion of the building by 2 hour rated construction. In our opinion the proposed access meets the intent of the code and provides a route with superior ventilation for emergency personnel when compared to a confined passageway.
5. Independent exhaust on emergency power provided for the vault.
6. Smoke detection within vault connected to building fire alarm system.
7. Less-flammable insulating fluid used in transformers.
8. No storage in vault.
9. Fire Department has a planned course of action in emergency event.
10. Access to vault is limited to utility personnel (NSTAR).
11. The vault will have a new sloped floor and containment system to control any potential leaks.



CITY OF CAMBRIDGE
INSPECTIONAL SERVICES DEPARTMENT 831 MASS. AVE.
CAMBRIDGE, MASSACHUSETTS 02139 (617) 349-6100

Ranjit Singanayagam
Commissioner

April 14, 2009

City of Cambridge
C/O Alan Burne
449 Broadway
Cambridge, MA 02138

RE: 449 Broadway, Cambridge, MA – Public Library.

Dear Mr. Burne,

The fire suppression system must be provided throughout all portions of the building including the electrical vault space. It is a violation of the 904.2 and 906.2.1 of the Massachusetts State Building Code.

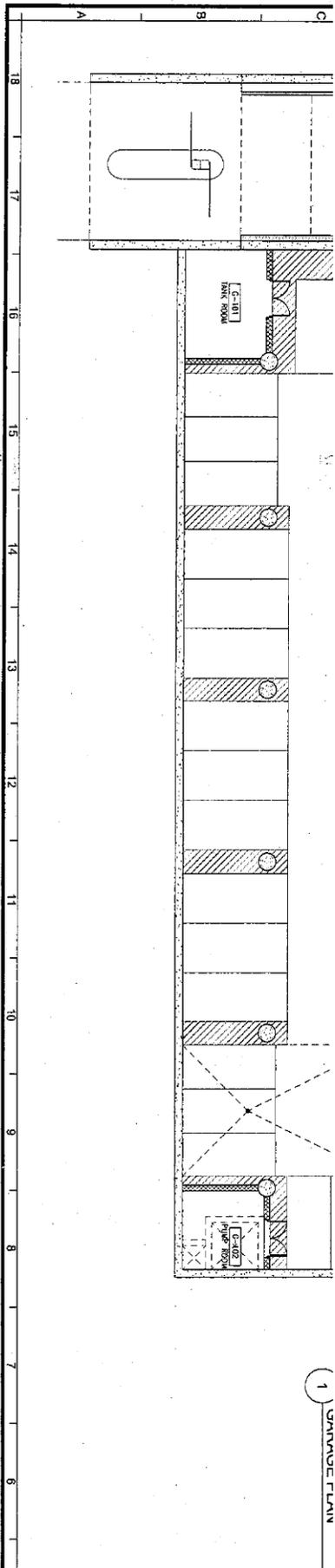
If you wish to appeal my decision on this matter, it must be made to the Board of Building Regulations & Standards, 1 Ashburton Place, Room 1301, Boston Ma 02108-1618.

Thank you in advance for your cooperation in this matter and if you have any questions, you may call me at 617-349-6130.

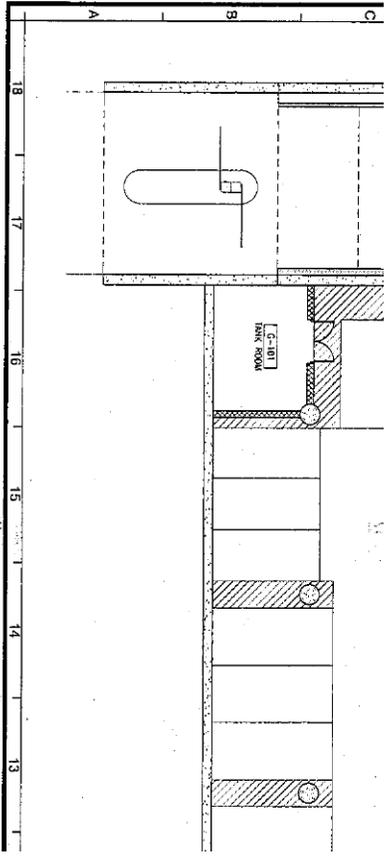
Sincerely,

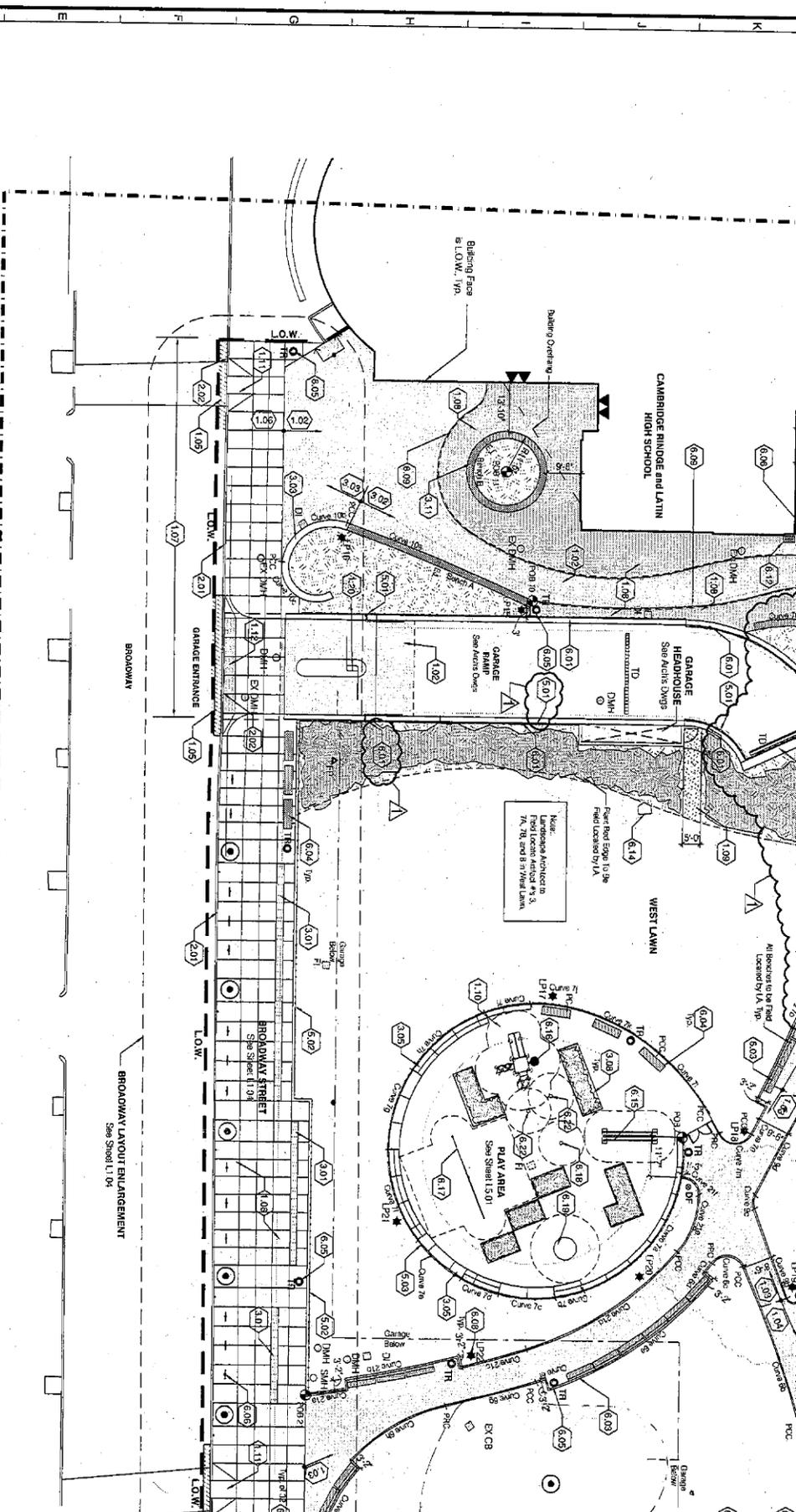
David M. Byrne
Senior Building Inspector

DMB/mp



1 GARAGE FLOOR

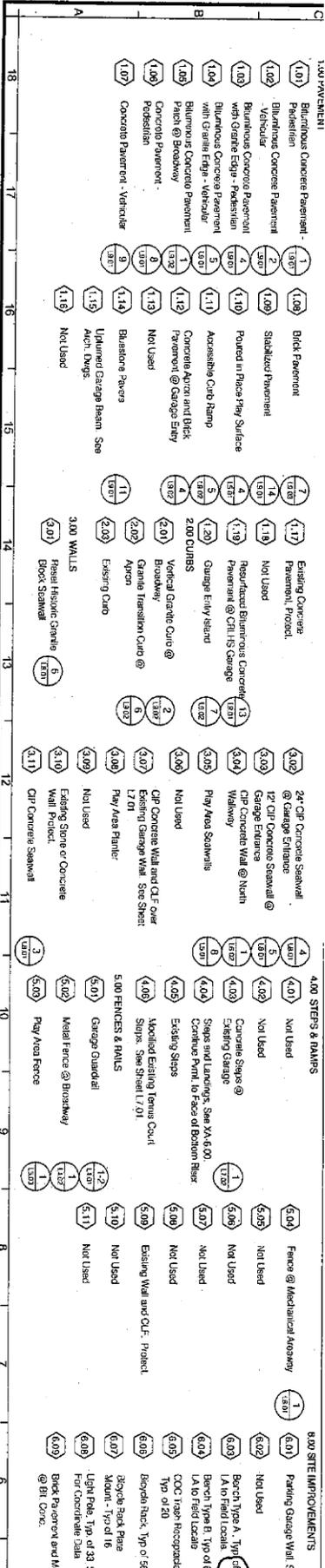




MATERIALS KEY LEGEND

1.00 PAVEMENT		4.00 STRETS & RAMPS		8.00 SITE IMPROVEMENTS	
1.01	Biluminous Concrete Pavement - Pedestrian	4.01	Not Used	8.01	Parking Garage Wall Seal
1.02	Biluminous Concrete Pavement - Vehicular	4.02	Not Used	8.02	Not Used
1.03	Biluminous Concrete Pavement with Granite Edge - Pedestrian	4.03	Concrete Slugs @ Existing Garage	8.03	Boron Type A, Typ of 30
1.04	Biluminous Concrete Pavement with Granite Edge - Vehicular	4.04	Slugs and Landings, See YA 6.00	8.04	Boron Type B, Typ of 6
1.05	Biluminous Concrete Pavement Patch @ Breakway	4.05	Continue Pave to Face of Bottom River	8.05	LA to Field Level
1.06	Concrete Pavement - Pedestrian	4.06	Existing Slugs	8.06	COCC Trap Rectangular, Typ of 20
1.07	Concrete Pavement - Vehicular	4.07	Modelled Existing Tennis Court Slugs, See Sheet 1.01	8.07	Borach Slugs, Typ of 56
1.08	Bi-Ed Pavement	4.08	Not Used	8.08	3/4" Cycle Slab, Phase Mount, Typ of 16
1.09	Stalco/Pavement	4.09	Garage Gravel	8.09	Light Pave, Typ of 33 Ss For Concrete Data
1.10	Poured in Place Fly Slabs	4.10	Not Used	8.10	Back Pavement and Material @ Bl. Cove
1.11	Accessible Curb Ramp	4.11	Existing Wall and O.L.F. Project		
1.12	Concrete Acorn and Thick Pavement @ Garage Slab	4.12	Not Used		
1.13	Not Used	4.13	Not Used		
1.14	Blasted Slabs	4.14	Not Used		
1.15	Upturned Garage Beam, See Acorn Slugs	4.15	Not Used		
1.16	Not Used	4.16	Not Used		
1.17	Existing Concrete Pavement, Frost	4.17	Not Used		
1.18	Not Used	4.18	Not Used		
1.19	Resistant Biluminous Concrete Pavement @ CILLUS Garage	4.19	Play Area Sealings		
1.20	Garage Slab, Fly Slab	4.20	Not Used		
1.21	Vertical Granite Curb @ Breakway	4.21	Not Used		
1.22	Granite Transition Curb @ Apron	4.22	Not Used		
1.23	Existing Curb	4.23	Not Used		
1.24	Vertical Granite Curb @ Breakway	4.24	Not Used		
1.25	Granite Transition Curb @ Apron	4.25	Not Used		
1.26	Existing Curb	4.26	Not Used		
1.27	Vertical Granite Curb @ Breakway	4.27	Not Used		
1.28	Granite Transition Curb @ Apron	4.28	Not Used		
1.29	Existing Curb	4.29	Not Used		
1.30	Vertical Granite Curb @ Breakway	4.30	Not Used		
1.31	Granite Transition Curb @ Apron	4.31	Not Used		
1.32	Existing Curb	4.32	Not Used		
1.33	Vertical Granite Curb @ Breakway	4.33	Not Used		
1.34	Granite Transition Curb @ Apron	4.34	Not Used		
1.35	Existing Curb	4.35	Not Used		
1.36	Vertical Granite Curb @ Breakway	4.36	Not Used		
1.37	Granite Transition Curb @ Apron	4.37	Not Used		
1.38	Existing Curb	4.38	Not Used		
1.39	Vertical Granite Curb @ Breakway	4.39	Not Used		
1.40	Granite Transition Curb @ Apron	4.40	Not Used		
1.41	Existing Curb	4.41	Not Used		
1.42	Vertical Granite Curb @ Breakway	4.42	Not Used		
1.43	Granite Transition Curb @ Apron	4.43	Not Used		
1.44	Existing Curb	4.44	Not Used		
1.45	Vertical Granite Curb @ Breakway	4.45	Not Used		
1.46	Granite Transition Curb @ Apron	4.46	Not Used		
1.47	Existing Curb	4.47	Not Used		
1.48	Vertical Granite Curb @ Breakway	4.48	Not Used		
1.49	Granite Transition Curb @ Apron	4.49	Not Used		
1.50	Existing Curb	4.50	Not Used		
1.51	Vertical Granite Curb @ Breakway	4.51	Not Used		
1.52	Granite Transition Curb @ Apron	4.52	Not Used		
1.53	Existing Curb	4.53	Not Used		
1.54	Vertical Granite Curb @ Breakway	4.54	Not Used		
1.55	Granite Transition Curb @ Apron	4.55	Not Used		
1.56	Existing Curb	4.56	Not Used		
1.57	Vertical Granite Curb @ Breakway	4.57	Not Used		
1.58	Granite Transition Curb @ Apron	4.58	Not Used		
1.59	Existing Curb	4.59	Not Used		
1.60	Vertical Granite Curb @ Breakway	4.60	Not Used		
1.61	Granite Transition Curb @ Apron	4.61	Not Used		
1.62	Existing Curb	4.62	Not Used		
1.63	Vertical Granite Curb @ Breakway	4.63	Not Used		
1.64	Granite Transition Curb @ Apron	4.64	Not Used		
1.65	Existing Curb	4.65	Not Used		
1.66	Vertical Granite Curb @ Breakway	4.66	Not Used		
1.67	Granite Transition Curb @ Apron	4.67	Not Used		
1.68	Existing Curb	4.68	Not Used		
1.69	Vertical Granite Curb @ Breakway	4.69	Not Used		
1.70	Granite Transition Curb @ Apron	4.70	Not Used		
1.71	Existing Curb	4.71	Not Used		
1.72	Vertical Granite Curb @ Breakway	4.72	Not Used		
1.73	Granite Transition Curb @ Apron	4.73	Not Used		
1.74	Existing Curb	4.74	Not Used		
1.75	Vertical Granite Curb @ Breakway	4.75	Not Used		
1.76	Granite Transition Curb @ Apron	4.76	Not Used		
1.77	Existing Curb	4.77	Not Used		
1.78	Vertical Granite Curb @ Breakway	4.78	Not Used		
1.79	Granite Transition Curb @ Apron	4.79	Not Used		
1.80	Existing Curb	4.80	Not Used		
1.81	Vertical Granite Curb @ Breakway	4.81	Not Used		
1.82	Granite Transition Curb @ Apron	4.82	Not Used		
1.83	Existing Curb	4.83	Not Used		
1.84	Vertical Granite Curb @ Breakway	4.84	Not Used		
1.85	Granite Transition Curb @ Apron	4.85	Not Used		
1.86	Existing Curb	4.86	Not Used		
1.87	Vertical Granite Curb @ Breakway	4.87	Not Used		
1.88	Granite Transition Curb @ Apron	4.88	Not Used		
1.89	Existing Curb	4.89	Not Used		
1.90	Vertical Granite Curb @ Breakway	4.90	Not Used		
1.91	Granite Transition Curb @ Apron	4.91	Not Used		
1.92	Existing Curb	4.92	Not Used		
1.93	Vertical Granite Curb @ Breakway	4.93	Not Used		
1.94	Granite Transition Curb @ Apron	4.94	Not Used		
1.95	Existing Curb	4.95	Not Used		
1.96	Vertical Granite Curb @ Breakway	4.96	Not Used		
1.97	Granite Transition Curb @ Apron	4.97	Not Used		
1.98	Existing Curb	4.98	Not Used		
1.99	Vertical Granite Curb @ Breakway	4.99	Not Used		
1.100	Granite Transition Curb @ Apron	4.100	Not Used		

18 17 16 15 14 13 12 11 10 9 8 7 6



1.00 PAVEMENT

- 1.01 Bituminous Concrete Pavement - Pedestrian
- 1.02 Bituminous Concrete Pavement - Vehicular
- 1.03 Bituminous Concrete Pavement with Granite Edge - Pedestrian
- 1.04 Bituminous Concrete Pavement with Granite Edge - Vehicular
- 1.05 Bituminous Concrete Pavement Patch @ Breakway
- 1.06 Concrete Pavement - Pedestrian
- 1.07 Concrete Pavement - Vehicular

- 1.08 Brick Pavement
- 1.09 Stabilized Pavement
- 1.10 Paved in Piles-Play Surface
- 1.11 Accessible Curb Ramp
- 1.12 Concrete Acorn and Block Pavement @ Garage Entry
- 1.13 Not Used
- 1.14 Balastone Pavers
- 1.15 Uphomed Garage Beam, See Arch. Drawg.
- 1.16 Not Used

3.00 WALLS

- 3.01 Panel Heavy Granite Block Seawall
- 3.02 Existing Concrete Pavement, Project
- 3.03 Not Used
- 3.04 Resurfaced Bituminous Concrete Pavement @ CTR US Garage
- 3.05 Garage E-Fly Island
- 3.06 200 CURBS
- 3.07 Vertical Granite Curb @ Breakway
- 3.08 Granite Transition Curb @ Apron
- 3.09 Existing Curb

4.00 STEPS & RAMPS

- 4.01 24" C/P Concrete Seawall @ Garage Entrance
- 4.02 12" C/P Concrete Seawall @ Garage Entrance
- 4.03 C/P Concrete Wall @ North Walkway
- 4.04 Play Area Seawalls
- 4.05 Not Used
- 4.06 C/P Concrete Wall and C/P over Existing Garage Wall, See Sheet L 7.01
- 4.07 Play Area Finish
- 4.08 Not Used
- 4.09 Existing Stone or Concrete Wall Project.
- 4.10 C/P Concrete Seawall

8.00 SITE IMPROVEMENTS

- 8.01 Parking Garage Wall Seal
- 8.02 Not Used
- 8.03 Bench Type A, Typ of 34
- 8.04 Bench Type B, Typ of 6
- 8.05 LA to Field Locate
- 8.06 COC Trip Rectangular, Typ of 20
- 8.07 Bench Type, Typ of 56
- 8.08 Bicycle Rack, Phase
- 8.09 Light Pole, Typ of 33
- 8.10 For Concrete Data
- 8.11 Back Pavement and Mark @ BI Core.

