



Digitizing and Exposing the Cambridge Survey of Architectural History

Meta Partenheimer
Paul Cote

Cambridge Historical Commission
pbc Geographic Information Services



cultivating spatial intelligence®



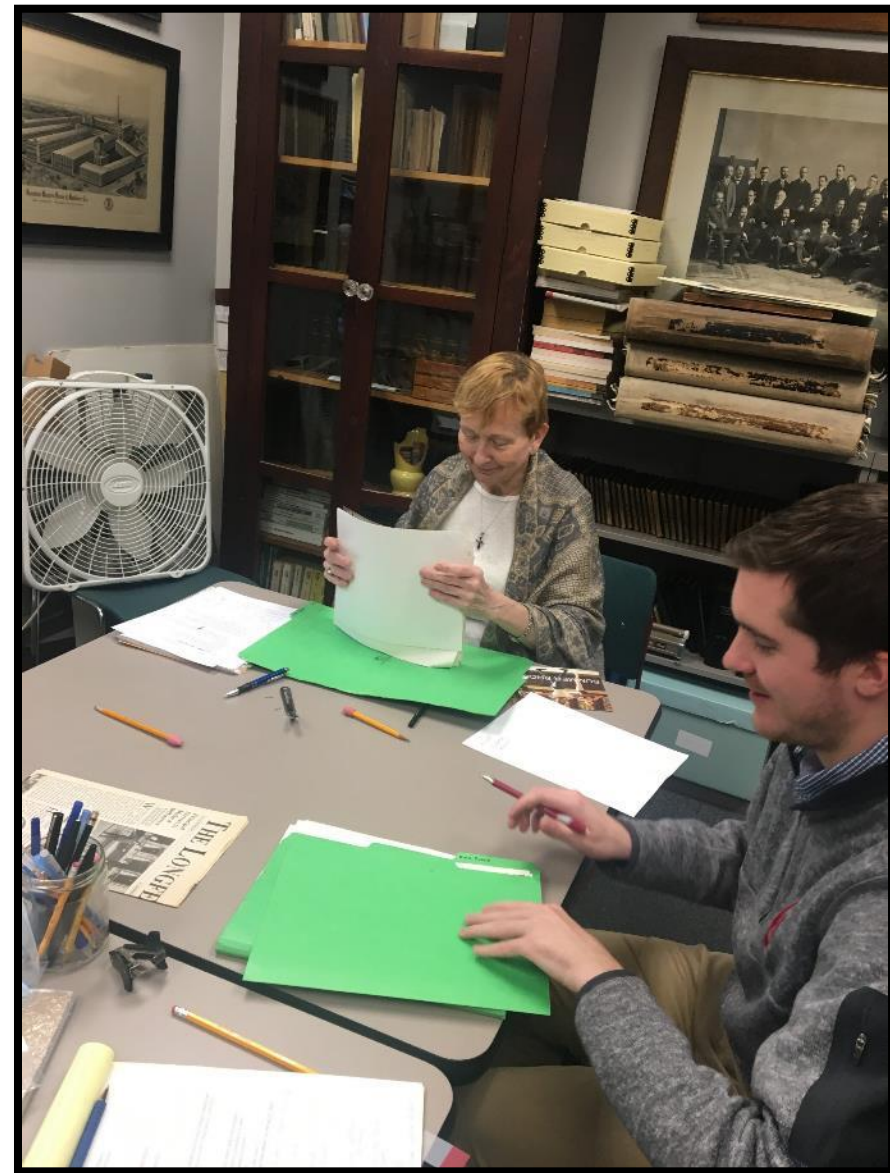


City housing survey ca. 1950





CHC book series *Survey of Architectural History in Cambridge*



CHC staff at work in 1989 and 2018

CAMBRIDGE ARCHITECTURAL INVENTORY

ON 1877 VIEW AS

ADDRESS: 127 Western AveUSE: residential commercial religiousSTORIES: 1 2 3 4 5TYPE: single double row duplex 3 decker double d tenement apartmentROOF: hip gable front gable flank mansard flatMATERIAL: frame brick SIDING: original subsequentPLACEMENT: narrow to street broad to street squareENTRANCE: flank front side front centerSTYLE: L. Geo. Grk. Rev. Brk. H. Mans. Med. Q. A. C. Rev. None+ None-ORNAMENT: little moderate elaborateDATE: 1790 1800 10 20 30 40 50 60 70 80 90 1900 10 20 30MAP: Blind on 1854 SD - 1896?REMODELING: drastic moderate minor CONDITION: poor fair good excellentIMPORTANCE TO SETTING: detrimental none moderate great INITIALED: AJK 11/71

DESCRIPTION:

Owner in 11/18/71 says that bldg looks old - fireplaces etc.3 fireplaces - be hive oven came out 1930'

16" ctrs.

Fireplaces 2 ft $\frac{1}{2}$ 5 ft long

rebuilt as SD in 1890's

24" ctrs / 2x4/4x4 throughout.

Mr. ANZARDOLE

Owned by Mr. DANE - 1833 - Hayward
Originaly. LOT PLANS

CAMBRIDGE ARCHITECTURAL INVENTORY

ADDRESS: 770 Mass AveUSE: residential commercial religious public - Post Office

STORIES: 1 2 3 4 5

TYPE: single double row duplex decker double d tenement apartment

ROOF: hip gable front gable flank mansard flat

MATERIAL: frame brick SIDING: original subsequent

PLACEMENT: narrow to street broad to street square

ENTRANCE: flank front side front center

STYLE: L. Geo. Grk. Rev. Brk. H. Mans. Med. Q. A. C. Rev. None+ None-

ORNAMENT: little moderate elaborate

DATE: 1790 1800 10 20 30 40 50 60 70 80 90 1900 10 20 30MAP: 30 → Charles R. Greco, architect, with Joseph D. Leland

REMODELING: drastic moderate minor CONDITION: poor fair good excellent

IMPORTANCE TO SETTING: detrimental none moderate great INITIALED: _____

DESCRIPTION:



327/ 3A



328/ 15A

16A

R. Cheek
7/1968143/ 29A-33A
Images/Cuts/Dimmiez/NEA 143-31A
Mass Ave 770
Post Office

Shady Hill
National Register District

Street Address Outbuildings?

2-4 Farnsworth Street

CHC Survey Form Building Date Building Permit #?

Cpl. Rev. 1927 #29228 (13 June 1927)

Daniel Cronin

Hail Survey Building Date Bldg Permit #/Tax Date/Deed Ref?

Daniel Cronin 1937 #29228

Atlas/Map Data Present? Owner Name Associated

1873 no

1886 no

1894 no

1903 no

1916 no

1930 yes Annie T. Caranci

House Book Data (attach sketch of plan)

Book and Page Date of Sketch

73, 61 July 18, 1927

City Directory (earliest or original owner)

Date Entry/Occupation

1926-27 Daniel Cronin / Mason
1928 Daniel Cronin / Real Estate
Home @ 45 Reservoir

ADDRESS: 18 Prescott St

1872-75

DATE	REF.	GRANTOR	GRANTEE	PRICE	DESCRIPTION
12 Oct 1872	1234-532	Trs. of Curtis	J. H. Littlefield George H. Lyon		see 16 Prescott St for origin of lot
12 Oct 1872	1234-534	Littlefield & Lyon	Curtis	<u>none</u>	
1872	Jan		George H. Lyon	[1000	cellar Prescott St & lot of Curtis 2000] all added in permit
1873	"		"	1000	cellar Prescott St & sold to W. B. Durant
			Wm B. Durant		[cellar & lot Prescott St of G. H. Lyons] all added in permit
			[Ely A. & Mary C. Ballou]		Prescott St Lyon lot of W. B. Durant all added in permit
5 July 1873	1269-215	Frank H. Littlefield of Curtis	George H. Lyon of Curtis	\$1	NE part of lot conv. by Curtis Trs. see 1234-532 NW - Prescott St 50' NE - Curtis 131' 2" SE - " 50' 1/2" SW - rest of lot, conv. by Lyon to Littlefield • 127' 2.44"

CAMBRIDGE HISTORICAL COMMISSION

RESEARCHER:

DATE:

Research Form

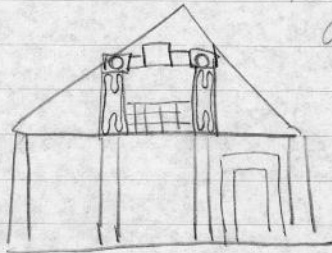


Photographed 500
visited 100 interiors

School of Architecture Library
Robinson Hall 300 additional photos^{xiii}

Plate XXX North Haverhill, N.H.
Stone house

1 1/2 story Grk Rev - wood gable
1st st four column colonnade
balcony between 2 ctrl columns
with pattern book enframingent
Tuscan
apparent wood railing

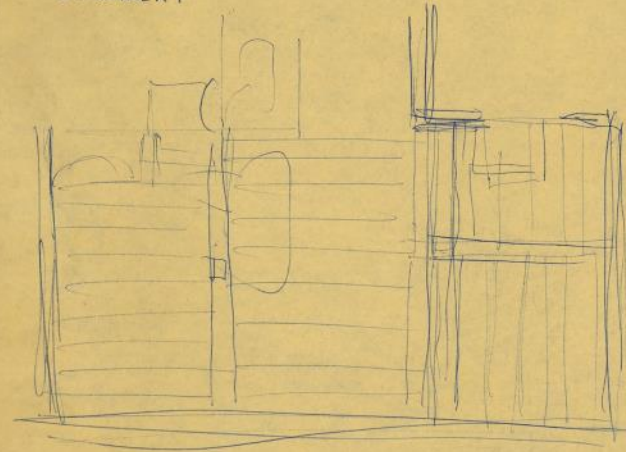


7 Waterhouse St.

inspected 1/9/67
photos taken by
B. Orr

Waterhouse house

basement

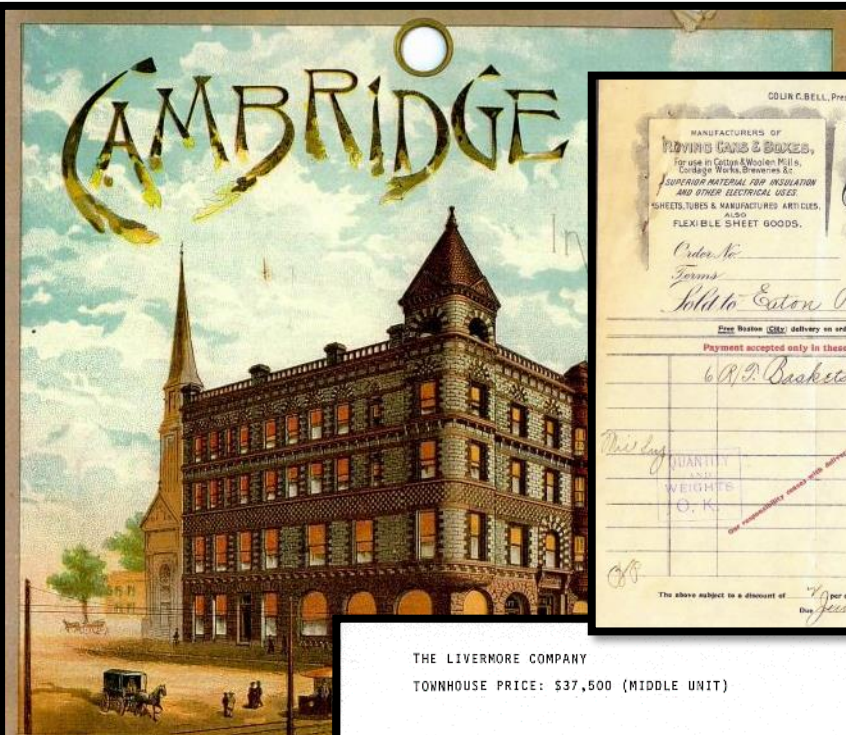


fand. more or less continuous - as far as it goes
but framing different in two halves

first floor similarly framed

framing in right hand room
against orig. wall

right-hand rooms 18th c. panelling
left-hand (earlier) rooms -
simple Fed / GR mantels



COUN. C. BELL, Pres. & Treas.

MANUFACTURERS OF
FIBRE GLASS & BAKES,
For use in Cans & Wooden Pails,
Corkage Works, Breweries &c.
SUPERIOR MATERIAL FOR INSULATION
AND OTHER ELECTRICAL USES.
SHEETS, TUBES & MANUFACTURED ARTICLES,
ALSO
FLEXIBLE SHEET GOODS.

LAMINAR FIBRE COMPANY
OFFICE & FACTORY, TANNERY ST.,
NORTH CAMBRIDGE, MASS.
LONG DISTANCE TELEPHONE, ARLINGTON, W44.

Order to
Terms
Sold to: *Eaton Rapids Woolen Mills*
North Cambridge, Mass. MAY 20 1901

Free Return *Order* delivery on orders of \$5 or more, under \$5, ten cents per parcel will be charged. Shipped via *Ex.*

Payment accepted only in these funds, viz.: New England, New York, Philadelphia, Baltimore.

6 B.D. Baskets 50" x 24"	3.35	14.10
Grate	35	14.45
See me		71
		14.16

QUANTITY
WEIGHTS
O. K.

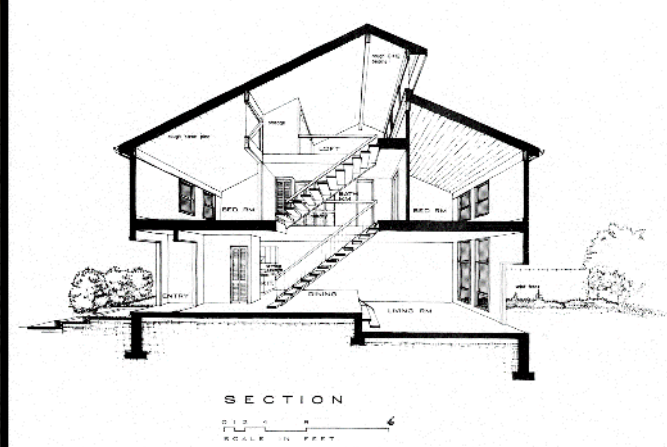
PAID JUN 5 - 1901

The above subject to a discount of *4%* per cent., if check is mailed not later than *June 30*. After that date, it will be *graciously met*.
This *price* and subject thereto to draft without notice.

EVERY ROOM A VIEW

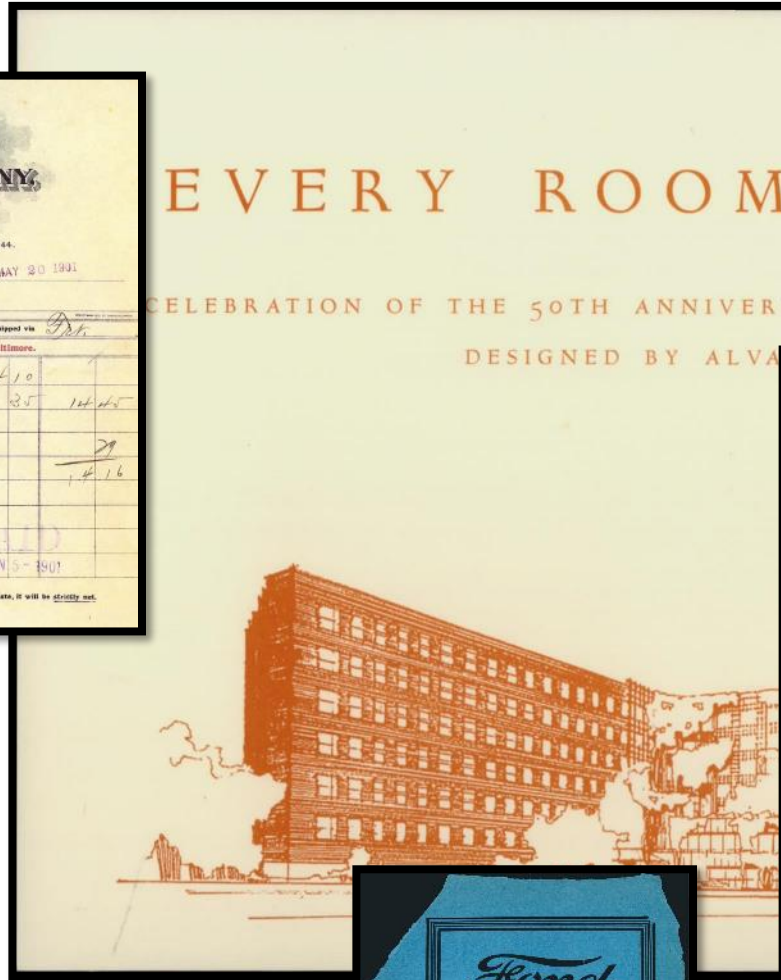
CELEBRATION OF THE 50TH ANNIVERSARY OF MIT'S BAKER HOUSE,
DESIGNED BY ALVA

THE LIVERMORE COMPANY
TOWNHOUSE PRICE: \$37,500 (MIDDLE UNIT)



JANUARY.							APRIL.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	1	2	3	4	..	..	1	2	3	4	5	6
5	6	7	8	9	10	11	6	7	8	9	10	11	12
12	13	14	15	16	17	18	13	14	15	16	17	18	19
19	20	21	22	23	24	25	20	21	22	23	24	25	26
26	27	28	29	30	31	..	27	28	29	30	..	..	..
FEBRUARY.							MAY.						
..	..	..	..	..	1	..	..	..	..	1	2	3	4
2	3	4	5	6	7	8	4	5	6	7	8	9	10
9	10	11	12	13	14	15	11	12	13	14	15	16	17
16	17	18	19	20	21	22	18	19	20	21	22	23	24
23	24	25	26	27	28	..	25	26	27	28	29	30	31
MARCH.							JUNE.						
..	..	..	..	..	1	..	..	..	..	1	2	3	4
2	3	4	5	6	7	8	4	5	6	7	8	9	10
9	10	11	12	13	14	15	11	12	13	14	15	16	17
16	17	18	19	20	21	22	18	19	20	21	22	23	24
23	24	25	26	27	28	29	25	26	27	28	29	30	..
30	31	..	..	..	..	..	..	..	..	..	..	..	..

LIVERMORE
TOWN HOUSES



Ephemera

Ford
THE UNIVERSAL CAR

CAMBRIDGE MOTOR CO.
Authorized Ford Agents

Come to the Authorized Agent for
Your new Ford Car, your Service,
Repairs and Parts.

OLD FORD BUILDING
125 MASSACHUSETTS AVENUE
Telephone Cambridge 2400

A small illustration of a vintage Ford car.

THE DUNSTER CAFE

An illustration of the interior of a cafe. Two men are seated at a table, one holding a cup. The background shows shelves with various items and a hanging lantern.

Charles A. Holt, Proprietor.
Cambridge, Mass.

Middlesex Lounge¹⁴

315 Massachusetts Avenue

One of the last remaining hip-hop and techno-oriented dance clubs in Cambridge, Middlesex has also hosted several queer-specific nights over the past decade. Currently, the lounge hosts every other occurrence of *Houseboi*, a bimonthly party described as "a genderqueer dance party for humans and their friends" that swaps between Middlesex Lounge and Oberon. Until this past October, the bar also hosted one of Boston's longest-running dance parties on Thursday nights, *Make It New*, which hosted many queer DJ's from outside Boston amongst its lineups.



Figure 28 (Left): Outside of Middlesex Lounge. (Source: <https://www.facebook.com/middlesexlounge/>)

Figure 29 (Right): Poster for Houseboi, a queer party held regularly at Middlesex. (Source: <https://www.facebook.com/middlesexlounge/photos/rep0st-shampayne8-houseboi-is-t0night-at-middlesexlounge-in-cambridge-special-gu/2284462221569133/>)



See LGBTQ+ Folder

Walk 0.2 more miles on Massachusetts Avenue. The building where Paradise used to be will be on your right, at the intersection with Albany Street.



1868 Sanborn



1885 Sanborn

CHA Corcoran Park Modernization

Project Overview - Cambridge Community Development Dept (CDD)

Presentation Draft | March 6, 2024

studio g architects
building sustainable communities

kmdg

CORCORAN PARK
PROJECT OVERVIEW

Nexus Engineering

03-05-2024

TCHA
Cambridge Housing & Community Development Authority

Sustainability + Resiliency: Flooding

Table 1: Flood Resiliency Standards: Finished Floor Elevation (FFE)

Description of Space	Long-Term Flood Elevations (LTFE)	First-Cut of Cambridge Vertical Datum (check)	Notes
New Occupiable Space	10% of LTFE	38.3	Date of LTFE:
New Habitable Space	1% of LTFE	41.6	Date of LTFE:
All Building Areas	10% of LTFE	38.3	Date of LTFE:

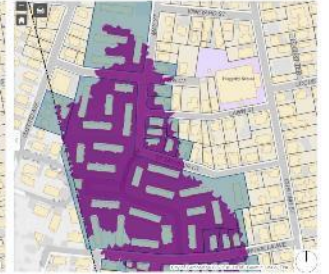
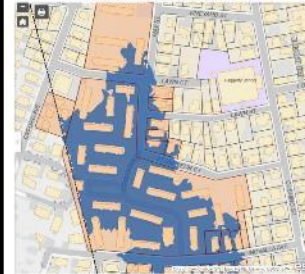


+/- 3' of standing water on August 8, 2023

2030 100-YEAR STORM IMPACT

2070 10-YEAR STORM

2070 100-YEAR STORM IMPACT



studio g architects
building sustainable communities

kmdg

CORCORAN PARK
PROJECT OVERVIEW

Nexus Engineering

03-06-2024

TCHA
Cambridge Housing & Community Development Authority

Supplemental Material

102-97

ADDITIONAL WARD FIVE BUILDINGS.

J. P. Nolan began early in the spring an apartment house at 47 Sacramento street. It is a wooden structure. It is 25 by 41, and three stories. N. A. Enwright was the builder.

At Nos. 38, 100 and 102 Reed street, E. R. Dix has been an active operator in the construction of three wooden dwellings. Each is 21 by 36, and one and one-half stories in height. Charles Cutter drew Mr. Dix's plans.

The new wooden dwelling on Walden street, for which a permit was issued in the mid-winter, is owned jointly by Messrs. Henry Waugh and Orin Watson. It is 21 by 36, two and one-half stories. E. Buckley, architect, and O. Watson, builder, were the effective combination in the work.

David Robert is the owner and builder of a wooden dwelling at 3 Madison avenue. It is a two and one-half story house, 25 by 30.

An early summer building permit was that granted to Bernard McBride for a wooden dwelling at 4 Donnell street. The permit is for a building of two stories, 24x32. Melanson Bros. were the builders.

Among the very latest ward five building projects is a house for Annie M. Boyle, at 21 Andrews street, four stories, and 11 by 18 by 36. Edward Moses builds from plans drawn by Prescott & Sidebottom, of Boston.

Ralph N. Dow drew the plans and Danoune Bros. did the building for Catherine Normoye's wooden three-family apartment house at 11 Madison street. It was begun this summer. It is 30 by 30 by 50, three stories.

Miss Lura L. Page is building a double house on Frost street. C. H. McClure is her architect, and Wellington Fillmore & Co. have the contract for building. Miss Page is a sister of Mr. Wesley L. Page.

The West End car house on Massachusetts avenue, is not far from its completion. It has been the scene of busy work since it was begun in the spring. It is a large affair, as shown by its dimensions.

slons, 106 by 44 by 388, one story. It is built of brick. West End architects and builders have carried on the work. The house is carefully designed to meet the demand that has long been pressing for a suitable place to stall cars in this part of the city.

Mr. Warren K. Blodgett's new residence at 7 Acacia street, was completed in the early winter. Dwight & Chandler drew the plans. Bellamy & Harris were the builders, and Brock Bros. the plumbers.

417 STATE BUILDING

42 212 REED ST NW

LOC LINK

3 MADISON AVE NW

11 DONNELL ST NW

LOC LINK

11 MADISON AVE OC

6 FROST ST NW

2369 MASS AVE NW

7 ACACIA ST OC

13

Desirable Property
FOR SALE.

Mr. Charles E. Tibbetts, being about to go to California to reside, offers his

Residence, Horses, Carriages, Furniture, Ice Privilege and Ice House for sale at a bargain.

The House is situated at the corner of Mead street and Cogswell avenue, and numbered 30 Mead street; contains ten rooms (including bath-room), furnace, cemented cellar, gas, soapstone sink in kitchen, washroom with soapstone tubs, water closet in cellar, kitchen range, and all the conveniences that could be asked for; with 4,500 feet of land.

The Furniture consists of many desirable pieces of modern design.

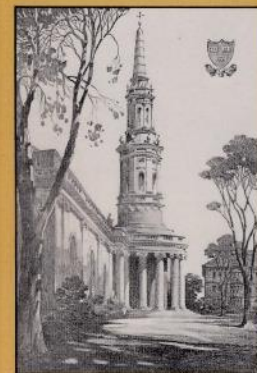
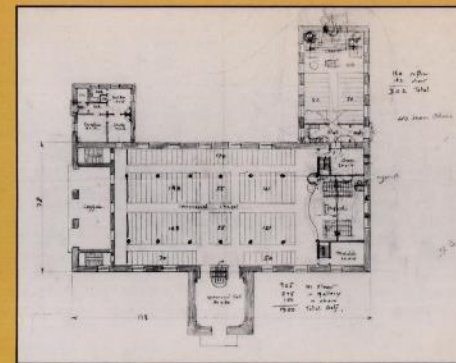
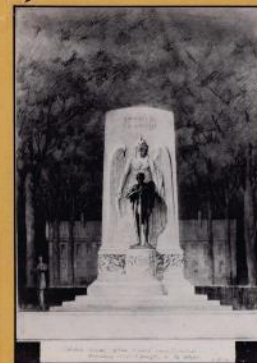
Also to be sold: A Lot of Land, in the rear of the house, containing 15,000 feet, on which is situated a shed and stable, with accommodations for seven horses; artesian well on premises.

Several horses, harnesses and carriages are included in the property for sale.

The Ice Privilege is located at the foot of Spruce street, North Cambridge, and is one of the best to be found. The ice houses are new and have a capacity for 5,500 ton, containing improved hoisting machinery put in last fall.

The above desirable property will be sold at fair figures, on application to the owner, C. E. TIBBETTS, 30 Mead street, or L. M. HANNUM, Cambridgeport.

CC July 16, 1887



Design process. Above, left, an early memorial proposal for a "shaft" to be placed in front of University Hall. The colonnade and tower of the first design for Memorial Church (far left) were recognizably derived from St. Paul, Deptford, 1712-30 (middle, left). Like this London church, Harvard's was to have been of stone. The plan (above) also changed: as first envisaged, the chapel was not in the chancel position. As built, Memorial Church's interior is reminiscent in several respects of Wren's St. Stephen's, Walbrook, London (lower left).

We take the Yard very much for granted, forgetting the situation in Lowell's day, when Dean Edgell could write, in *The American Architecture of Today* (1928):

What a nightmare confronts the future planner of Harvard. Our admirable forebearers had little idea of planning an architectural ensemble. . . . There is not a building really on axis with anything else. Almost no coherent arrangement can be found for new buildings. . . . To make matters worse a peaceful village (Harvard Square) has turned into a bustling city.

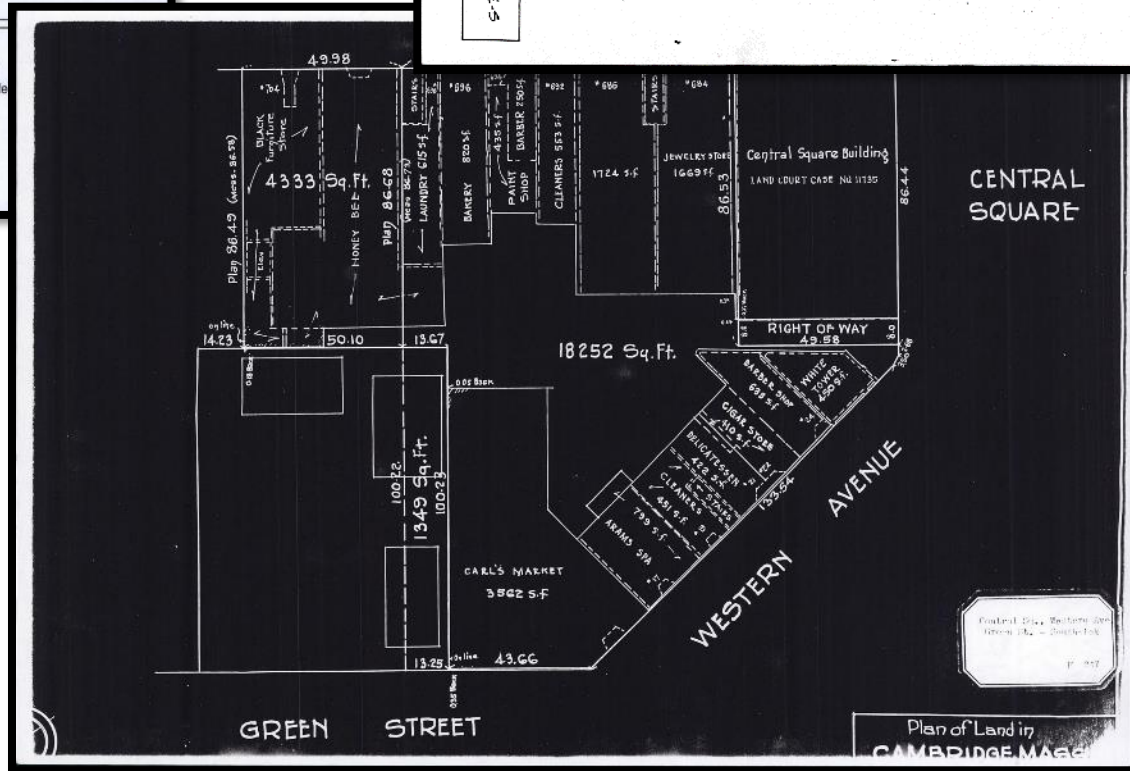
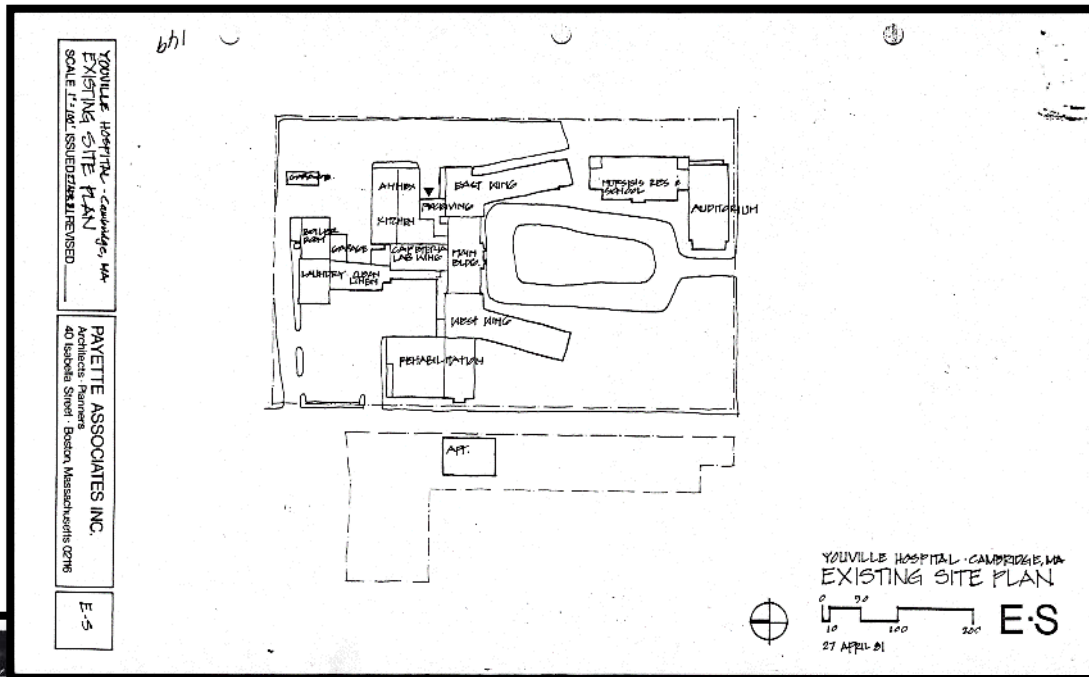
Memorial Church is a brilliant stroke with which two centuries of building were indeed persuaded into harmony and given a peaceful setting. For example, one of the most arresting parts of the church is the memorial transept and portico. As architectural historian J.D. Forbes pointed out in 1958 in his article on the Coolidge firm in the *Journal of the Society of Architectural Historians*, such a transept is "certainly without historical precedent." That it was an inspiration of broad sig-

nificance is noted by Bainbridge Bunting and Robert H. Nylander in their *Old Cambridge*, where they remark:

How infinitely better is the design, placement, and scale of [Memorial Church] than was that of Appleton Chapel . . . on the same site. . . . the tower with the portico at its base on axis with Widener serves to define the limits of the quadrangle, and together they form the "scene" and "cave" of a great unroofed theatre. . . . The enormous Doric portico . . . is wisely scaled to the ponderous colonnade of Widener.

The other stroke of genius in formulating a cohesive and unified feeling within Harvard Yard was the series of seven structures along Massachusetts Avenue which effectively "cloister" the Yard and screen out the noise and the visual disarray of Harvard Square.

Another striking feature is the church's tower, which seems too tall for so long and low a building, until one imagines a heavier feature. Just as the building itself was designed to organize the Yard, the tower was designed to work with its fellows along the river—the



Plans

Longfellow house

The US House Interior Committee approved a measure, already passed by the US Senate, that appropriates \$588,600 for preservation of the Henry Wadsworth Longfellow House on Brattle Street, Cambridge. Longfellow occupied the house from 1837-1882.

GLOBE 8/18/72
BILLS SIGNED 10/9/72

Congress of the United States House of Representatives Washington, D.C. 20515

May 16, 1972

Ms. Amy Cohn
Cambridge Historical
Commission
57 Inman Street
Cambridge, MA 02139

Dear Ms. Cohn:

This is in response to your recent request asking the status of legislation to establish the Longfellow National Historic Site in Cambridge.

I am happy to inform you that this legislation passed the Senate on March 23, 1972, and was referred to the House Committee on Interior and Insular Affairs. I am hopeful that the Committee will act during this session of Congress, but I am unable to specify when this action might occur. Once this legislation is passed by the House and signed by the President, the effect of the legislation takes place immediately. I trust you will find this information helpful.

With every good wish,

Sincerely,

Thomas P. O'Neill, Jr.
Thomas P. O'Neill, Jr.
Member of Congress

jg

COMMITTEE
RULES

RHN-

6/5/70
Longfellow
Apparently a fence was yellow with
white posts after its dark
period in Longfellow days and before
its present dark color—
see attached recollections of Mrs.
Luther (born 1903) and Charles Eliot
(born 1899).

I still agree with your conclusions.

RBR

P.S. — Mr. Wolfe sent your report
to Edwin Small, who also agrees
with you. Park Service is aiming
for an 1882 date.

RINDGE MANUAL TRAINING SCHOOL.

COR. BROADWAY AND IRVING STREET.

CHARLES H. MORSE,
Head Master.

CAMBRIDGE, MASS. June 19, 1899.

Dear Sir:-

Please find enclosed two tickets to our tenth annual "public day."

Knowing that you must soon decide which High School your son will attend next year, I enclose our course of study for your examination, and you will pardon me if I say that this school offers unusual advantages to boys contemplating attending the Institute of Technology or the Lawrence Scientific School. The general course will be made much more popular than heretofore by the introduction of a course in electricity in connection with the work in Laboratory Physics. The course in English is also particularly strong.

This school is now a separate high school, and all the academic work will be done in the Annex building connected with the main building, saving the marching to the English High School, which, in stormy weather, has been a serious objection.

Trusting that you will be able to come for an hour at least on Friday, June 24, I remain,

Yours truly,

Chas H Morse

Head Master.

Correspondence



Union Street, general views

between Market and Hampshire Streets:



360/30 31 32

looking north



30/6A



360/27 28 29

looking south

between Hampshire and Lincoln Streets:



360/18 19 20

looking north



360/21 22 23



360/24 25 26

looking south

35 Clarendon Ave.



236/25



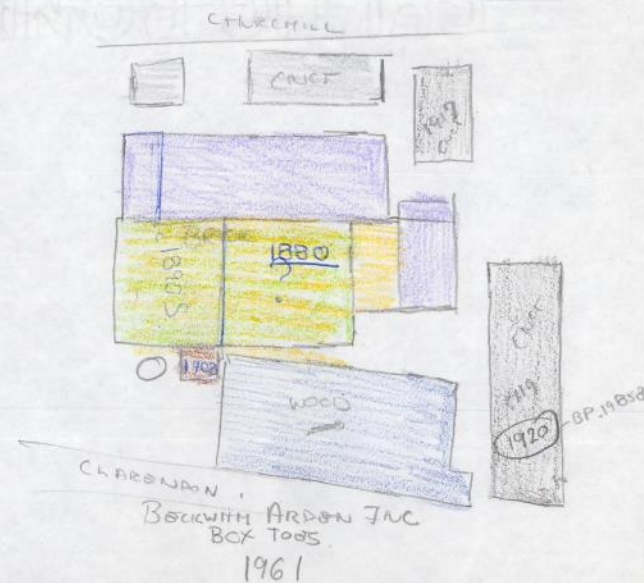
236/27

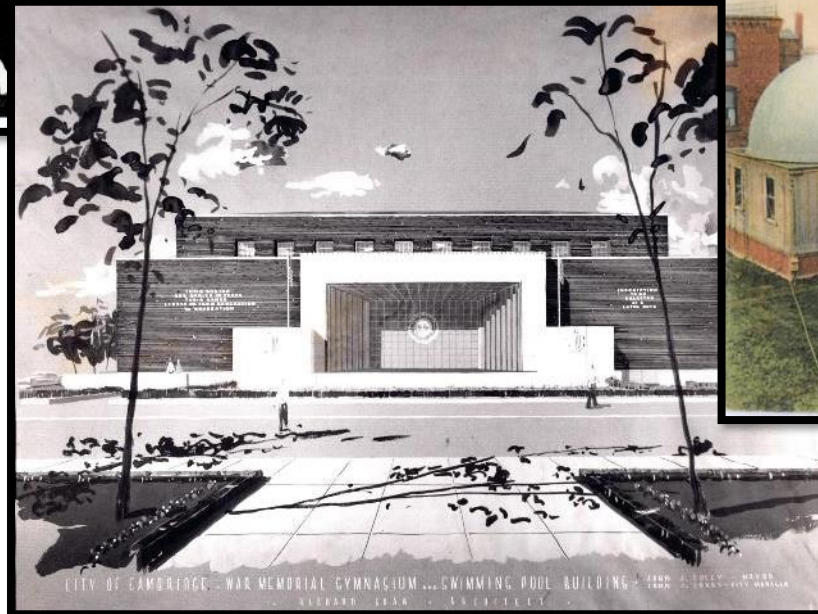
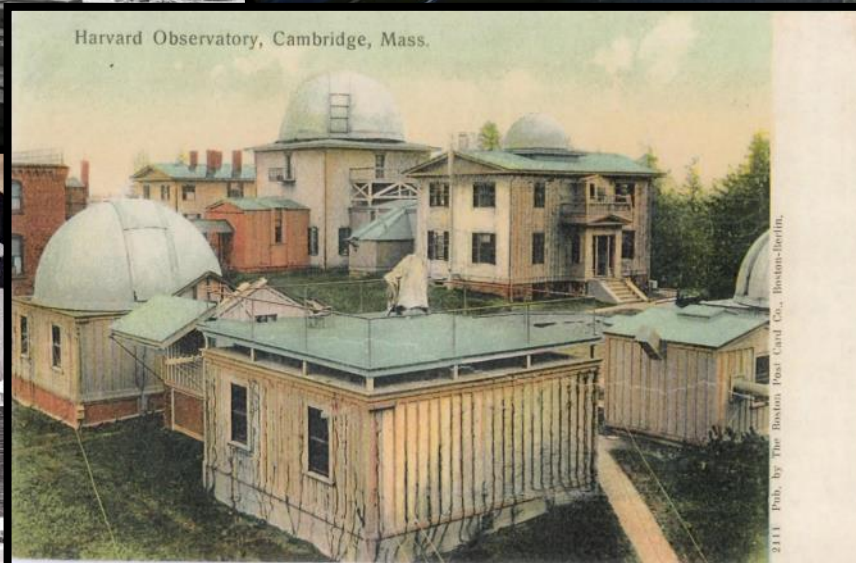
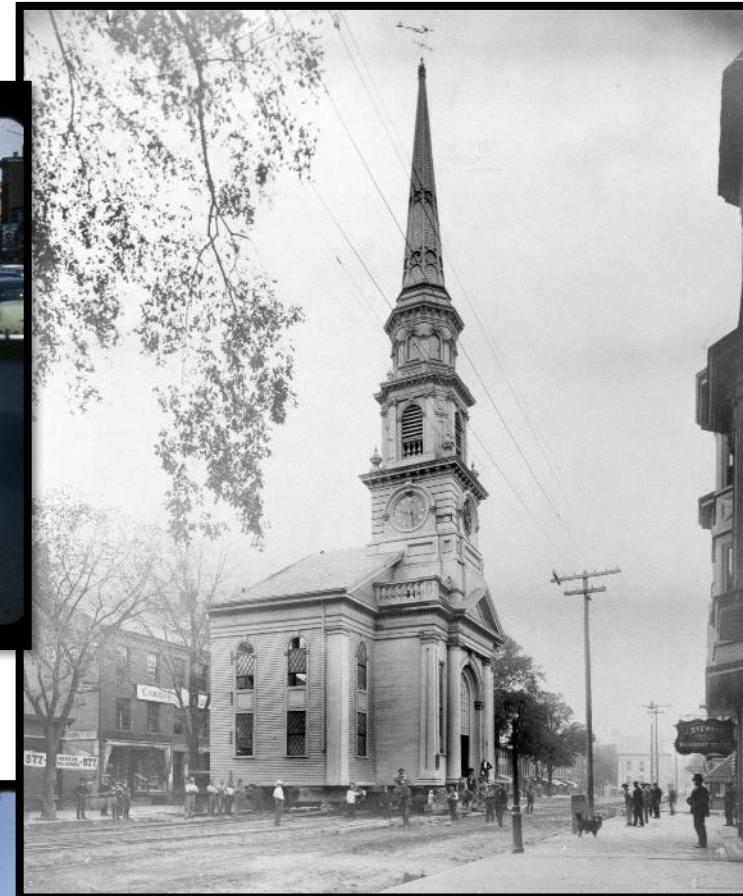


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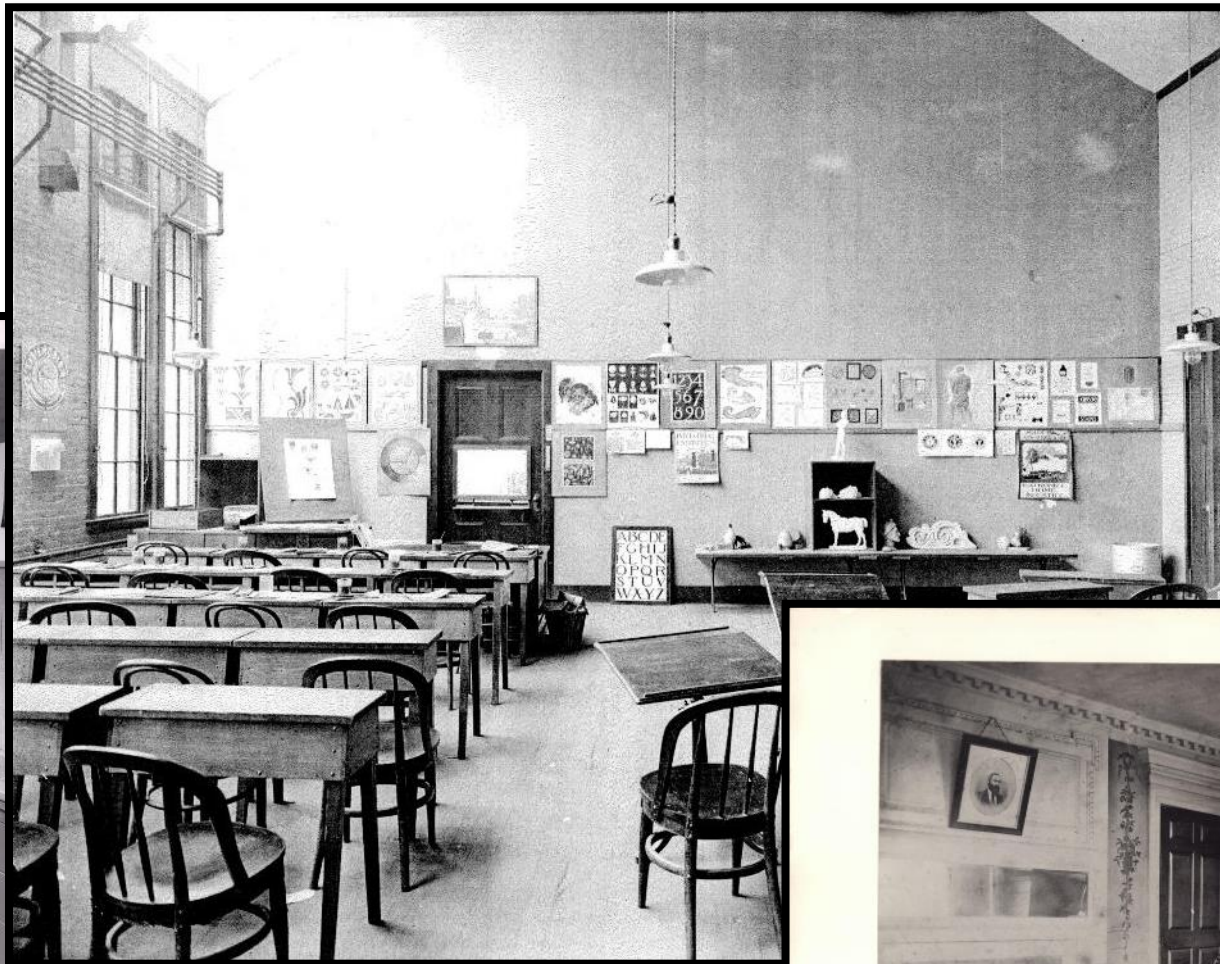
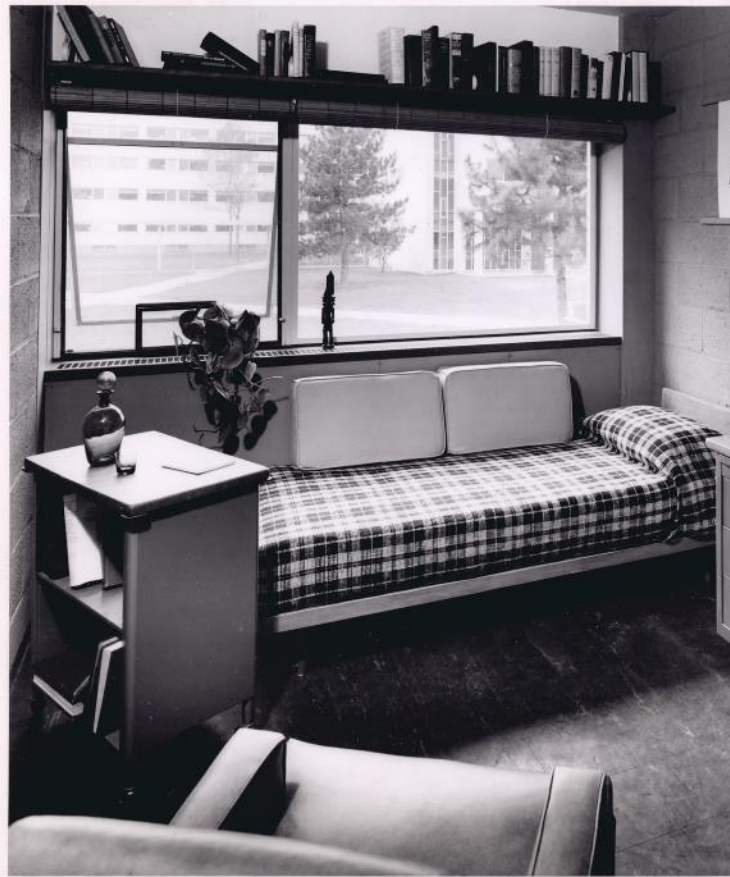


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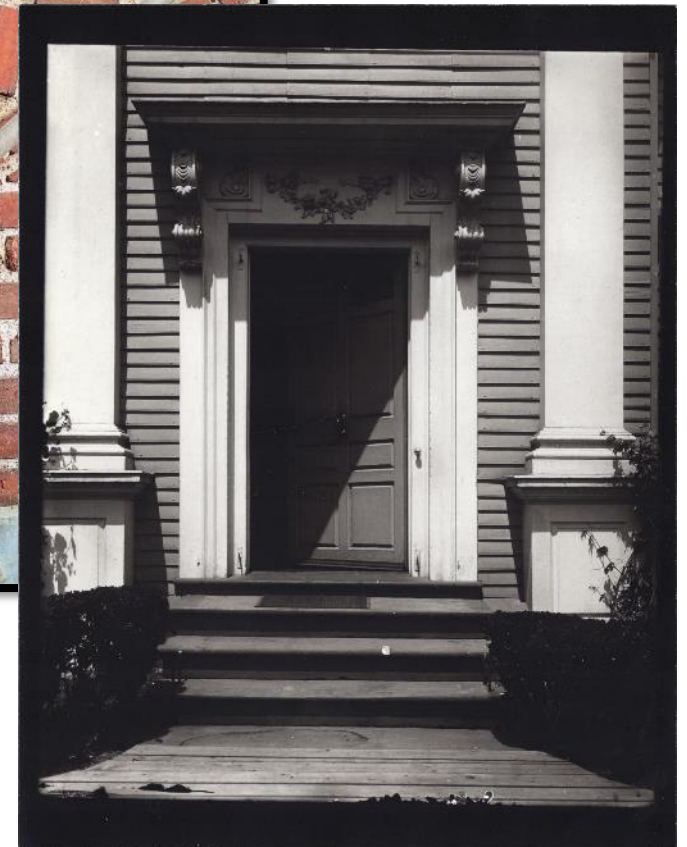
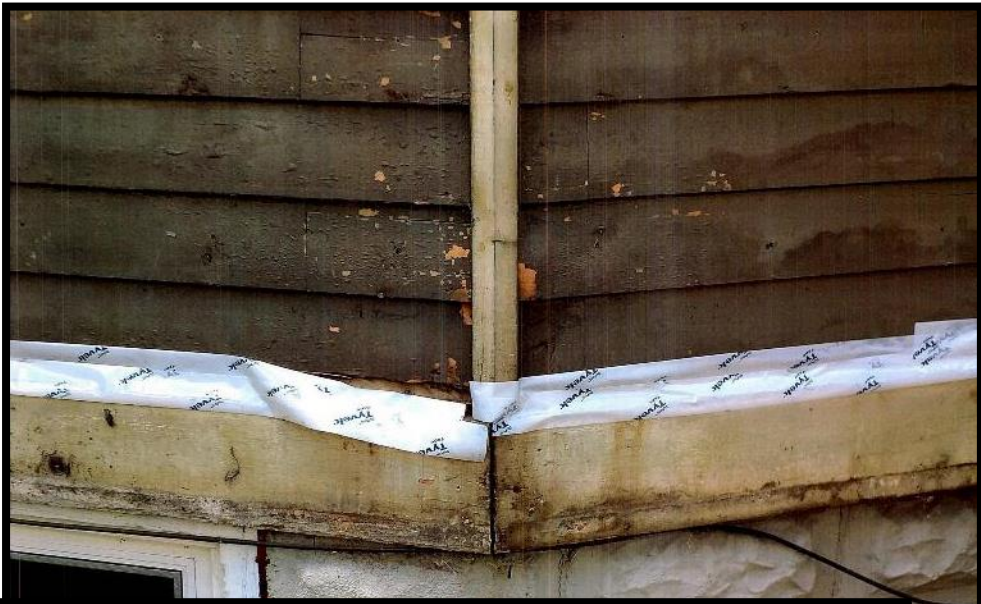


Views – Exterior View



Mrs. Manning's Bedroom.
The original paper is on the walls.

Views – Interior View



Views – Detail View

Organization of the Physical Collection

The organization of the architectural survey as file folders was designed in the mid 1960s

It is inherently geographical with

- File drawers organized by district
- Folders colored by district
- Folders labeled by Address Range, Place Name, and Subject
- Each document labeled with specific address.



38 File drawers of documentation about Cambridge Buildings

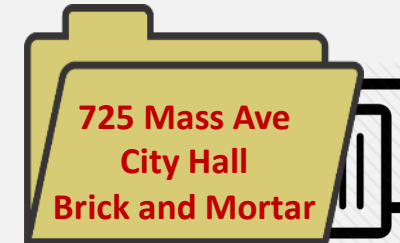
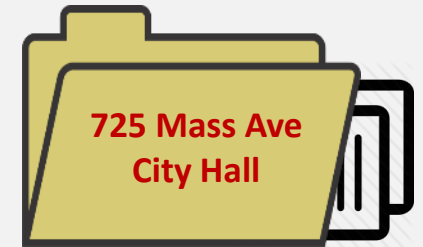
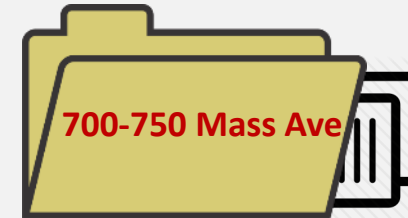
2000 Folders,
Ranges of buildings, Specific
named places / Subjects

18,000 Places
(Addresses or Named Places)

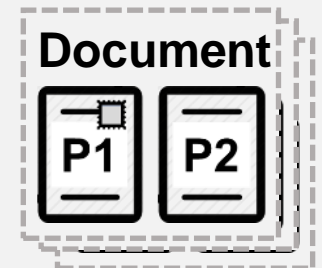
90,000 Distinct Documents

130,000 Pages

Digitization Step 1:
Prepare batches of folders for
scanning.



Cover Sheet for Each folder
Order & Label Documents
Send to BosScans in Banker
Boxes



Scanning Workflow & Naming Scheme

After ordering the files.
Sequences of folders were packed
into bounding boxes to send to
BosScans for scanning

Filenames are constructed of
Address_Index.tif

There are a lot of other rules
about unconventional addresses.

BosScans did an excellent job
following our file-naming formula.



Ordered File Names:

4-8_Massachusetts_Ave_0001.tif
4-8_Massachusetts_Ave_0002.tif
...
14-20_Massachusetts_Ave_0003.tif

725 Mass Ave
City Hall



795_Mass_Ave_00
01.tif



795_Mass_Ave_00
02.tif



795_Mass_Ave_00
03.tif



795_Mass_Ave_00
04.tif



795_Mass_Ave_00
05.tif



795_Mass_Ave_00
06.tif



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08.tif



795_Mass_Ave_00
09.tif



795_Mass_Ave_00
10.tif

CDASH Document Type Codes

The digital collection system relies on titles, and tags to help users find information of interest.

We created a category scheme of document types that can be evaluated quickly by just looking at the previews tiles for files.

95 percent of all documents in the Building Files collection fit into one of these categories.

These categories allow us to set many useful keywords and generate meaningful default titles for each document upon our initial upload into the system.

Text Document Type Codes

AI - Architectural Inventory Form
HS - Historic Building Survey
RF - Research Form
RN - Research Notes
CD - Correspondence
OB - Official Business
AM - Published Material
EP - Ephemera (Pamphlet, Program, Ads)
UC - Unclassified

Image Document Type Codes

PI - Interior View
PE - Exterior View
PB - Birds-Eye View
PV - Plan View
PD - Detail View
PC - Contact Sheet

Itemization, Rough Sort and Application of Logical File Names

The rough sort and pagination is accomplished by a tool-kit we call the CDASH Itemizer.

The user browses a folder of scans in Windows Explorer. Large Thumbnails. Pages belonging to a document are selected, dragged and dropped onto the appropriate renaming tool.

- Street Name Spelling is validated or repaired based on our street listing.
- Media files are renamed, with codes that assigning an Item Type, Item ID and Page Number.

These renamed files are now ready for geo-coding and application of automatically assigned titles and tags.

Select Document Pages

Initial Scan Names
336_Cambridge_St_001.tif
336_Cambridge_St_002.tif

Drag and Drop

Assign New Logical File Names:
336_Cambridge_St_001p001-PE.tif
336_Cambridge_St_001p002-PE.tif

Hand-off to Paul

Translating the Physical Collection to Omeka-S

Digesting Folders and Files

Batches of re-named image files in their folders are divided into batches having on average 35 folders and 3500 pages each.

Each batch is processed with python crawler that validates the image files, and builds a manifest of the batch-collection. This process also generates titles and metadata based on Address – Place Name - Document Type.

CDASH Schema / Ontology

- Folders
- Places (Addresses and Named)
- Documents
- Media

Four CSV tables preserve the hierarchal relationships among the elements in each batch.

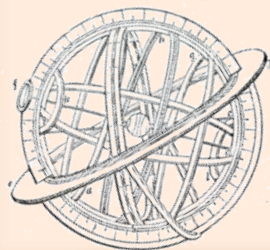


Address Item Page Type

795_Massachusetts_Ave_0094p001-VE.tif
795_Massachusetts_Ave_0094p002-VE.tif

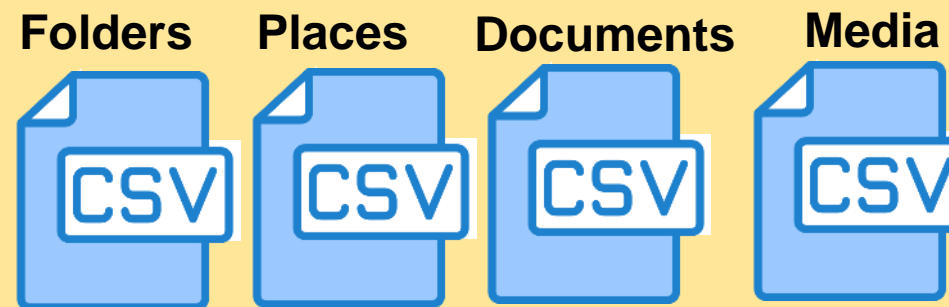


Python: File Crawler
Image Validator
Geocoding
Index-Builder



GIS Linking
Human Adjustment

Collection Manifest (per batch)



Live CDASH Demonstration visit

cdash.cambridgema.gov

CDASH Tools, Theme and Omeka Schema:

We created a **fork of the Omeka CSV Bulk Loader** that allows for repeated uploads of batches with our manifest files.

The CDASH Omeka schema creates a hierarchy of specialized Omeka entities

CDASH Omeka Schema

- **Folders – Omeka Item Sets**
- **Places – Omeka Items** (Place Template)
- **Documents – Omeka Items** (DocTemplate)

This Schema / Ontology preserves the organization and serendipitous discovery afforded by the physical file-system.
AND MORE!

The screenshot displays the CDASH Digital Architectural Survey and History website. The header features the Cambridge Historical Commission logo and the site title. A search bar is present. The main content area shows a map of 795 Massachusetts Ave - City Hall, with a sidebar for map controls (Base Maps, Map Overlays) and a list of linked resources. The linked resources include Architectural Inventory Forms, Contact Sheets, and Correspondence.

795 Massachusetts Ave - City Hall

Place Item : 795 Massachusetts Ave - City Hall
Place Type : Building
Place Name : [City Hall](#)
Folder: [795 Mass Ave City Hall](#)
[795 Mass Ave City Hall Tower Clock](#)
[795 Mass Ave Paint and Mortar Studies](#)

Neighborhood : Mid-Cambridge
Research District : Mid-Cambridge
Place Use : Institutional

Linked resources

- [795 Massachusetts Ave - City Hall - Architectural Inventory Form](#)
- [795 Massachusetts Ave - City Hall - Architectural Inventory Form](#)
- [795 Massachusetts Ave - City Hall - Contact Sheet](#)
- [795 Massachusetts Ave - City Hall - Contact Sheet](#)
- [795 Massachusetts Ave - City Hall - Contact Sheet](#)
- [795 Massachusetts Ave - City Hall - Contact Sheet](#)
- [795 Massachusetts Ave - City Hall - Correspondence](#)
- [795 Massachusetts Ave - City Hall - Correspondence](#)

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Powered by Omeka-S



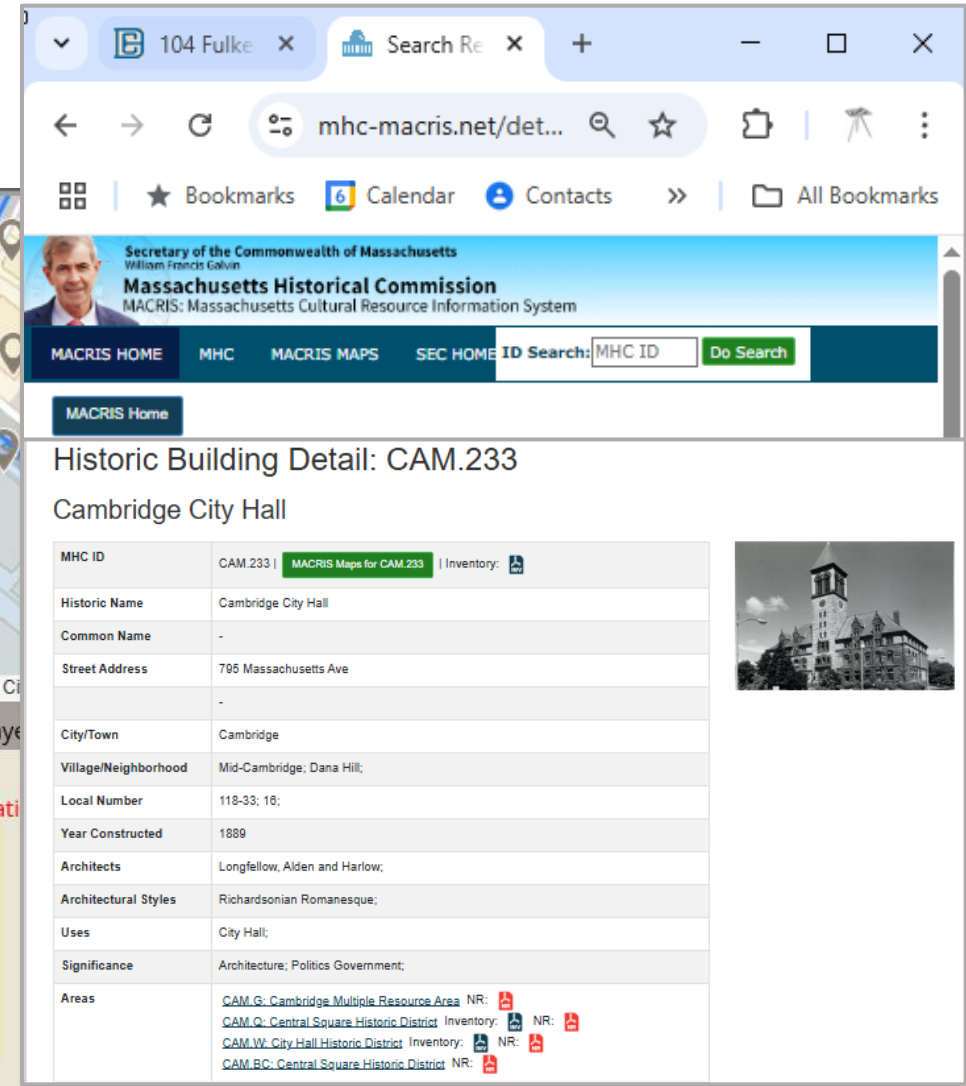
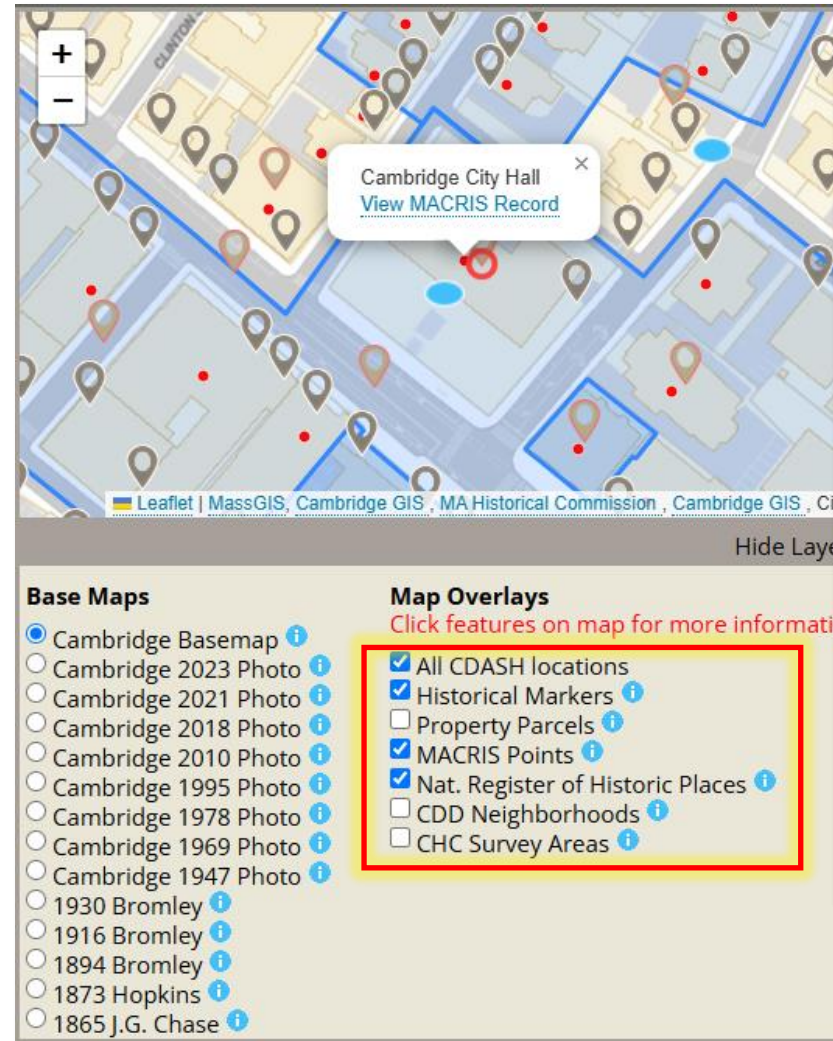
Geographical Referencing: The Original Linked Data!

The standard Omeka-S Mapping Module allows for geolocating items.

The CDASH Theme adds a map window that employs Leaflet.js to display the location of all the **Place items** on the map.

The magic of geographical referencing and Web Feature Services allows us to add other geolocated data shared by other institutions. **It all registers automatically! For Free!**

Our CDASH locations are available as a geo-JSON service ready to be displayed on your map application. Ask us how!




Antique Maps – Historical Aerial Photos --- Filling in the Gaps between individual resources

Along with vector-based web feature services, there is an increasing number of antique maps and aerial photos that have been precisely georeferenced and shared by local institutions as raster **Web Map Services**.

Cartographic display of georeferenced data creates new information by associating and filling in the gaps between formerly independent observations!

Geographical Referencing is the coolest and most powerful form of linked data. People have been linking data this way for 2200 years! **Hats off to Hipparchus of Rhodes!** (190-120 BC)



These buildings don't exist any more

Map interface showing various layers and a list of historical maps. The '1930 Bromley' map is highlighted.

Base Maps

- ☐ Cambridge Basemap
- ☐ Cambridge 2023 Photo
- ☐ Cambridge 2021 Photo
- ☐ Cambridge 2018 Photo
- ☐ Cambridge 2010 Photo
- ☐ Cambridge 1995 Photo
- ☐ Cambridge 1978 Photo
- ☐ Cambridge 1969 Photo
- ☐ Cambridge 1947 Photo
- ☒ 1930 Bromley
- ☐ 1916 Bromley
- ☐ 1894 Bromley
- ☐ 1873 Hopkins
- ☐ 1865 J.G. Chase

Map Overlays

Click features on map for more information.

- ☒ All CDASH locations
- ☐ Historical Markers
- ☐ Property Parcels
- ☐ MACRIS Points
- ☐ Nat. Register of Historic Places
- ☐ CDD Neighborhoods
- ☐ CHS Survey Areas

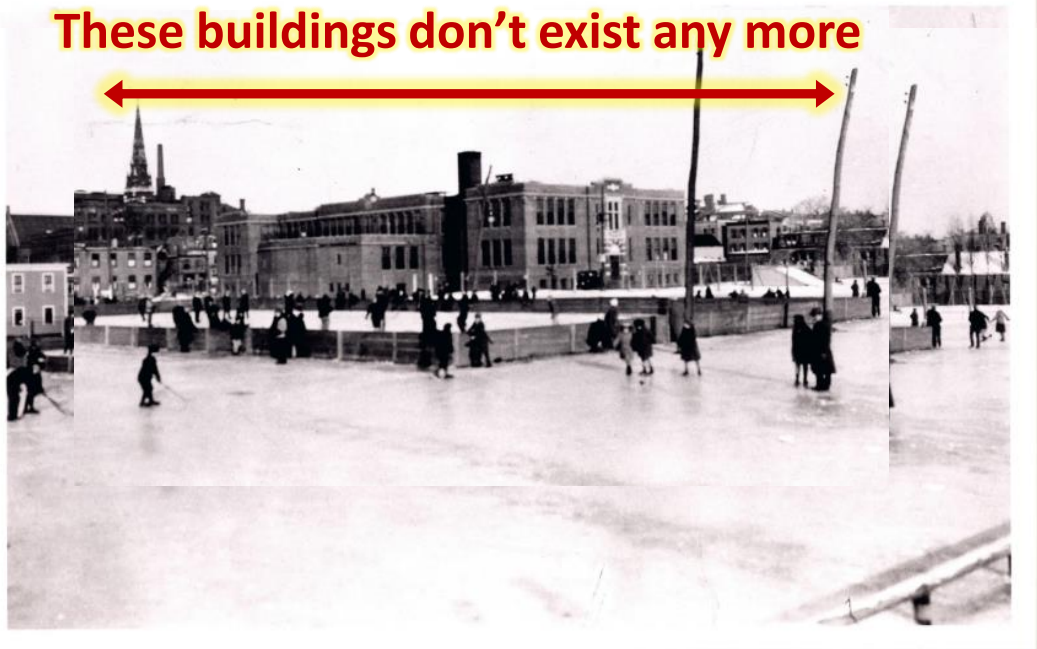
Shared by MapWarper.org

104 Fulkerson St - Ahern Field - Exterior View

Document Type : Exterior View
Pages : 2
Rights : Rights status not evaluated.

Neighborhood : East Cambridge
Research District : East Cambridge
Citation : Cambridge Historical Commission, Digital Architectural Survey and History.

Place Item : [104 Fulkerson St - Ahern Field](#)
Folder: [Thorndike Ahern Field](#)



These buildings don't exist any more

Historical aerial photograph of Ahern Field, showing the field and surrounding buildings. A red arrow points to buildings that no longer exist.

<< Drag to Expand / Shrink. Powered by Omeka-S

Lets Geo-Temporally Reference Everything we Can!

The Cambridge Historical Commission and pbcGIS have spent many years extending Omeka with:

- Python file digestion and geocoding tools
- Custom Bulk Loader
- Resource Templates & Vocabularies
- Omeka Theme with Map Window
- Integrating external map services
- Docker resources for setting up a development and production instance
- An architecture for hosting all of this in the Microsoft Azure Cloud
- An enterprise level stewardship and governance model
- Documentation.

Far from perfect, and involves a few hacks. But it would be a great starting place for others – and we would love to be a part of an extended the geomanities community!!

To Do:

- Finish digesting & uploading
- Make it work on small screens with mobile GPS
- AI - based file sorting and document grouping??

For You:

- CDASH is LIVE Check it OUT!
- @ cdash.cambridgema.gov
- Download CDASH Tools and Theme @ github.com/c-dash
- [Visit our documentation:](#) and get this slideshow!

Get in Touch!

- Talk to us at the poster session!
- Meta: mpartenheimer@cambridgema.gov
- Paul: paulbcote@gmail.com

Bonus Slide! Omeka in Azure Cloud (detail)

