

Joe

12/14/14

This Paper will help

11 Summary of Hurd

Ry. Hearing - When through

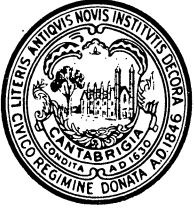
with hearing add to

list of Comm. matters 14

Mary

Please put this in
communication list for
12/14/81. It has to do with
the parking hearing.

Thanks,
Joe



CITY OF CAMBRIDGE

57 INMAN STREET, CAMBRIDGE, MASSACHUSETTS 02139 TEL. 498-9042

DEPARTMENT OF
TRAFFIC & PARKING

December 8, 1981

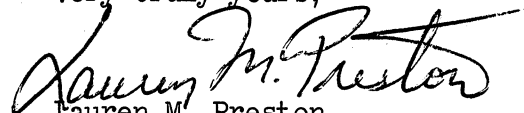
George Teso
Director

Mayor Francis Duehay
City Hall
795 Massachusetts Avenue
Cambridge, Massachusetts 02139
Attn: Mayor's Committee on
Parking and Pedestrianization

Dear Mayor Duehay:

Attached is a report on parking spaces both on and off-street in the Harvard Square Business District. Numbers include before any construction began for the Red Line Construction, during the construction of Parcel I B and Mt. Auburn Place and after all construction is completed.

Very truly yours,


Lauren M. Preston
Traffic Engineer

LMP:rd

Enc.

HARVARD SQUARE BUSINESS DISTRICT PARKING

On-Street parking before construction of the Red Line Extension, Parcel 1B and Mt. Auburn Place was 559, one hour metered spaces. Turnover was generally 4.5 vehicles per space with a 93% use. Therefore vehicle stay = 2.1 hours or more than double the legal one hour limit. This meant there were effectively 2520 parking spaces. After all construction is complete, there will be 405 curb meter spaces in Harvard Square Business District. By increasing the turnover to about 6.5 vehicles per space (1.5 hour vehicle stay*) and keeping the 93% use factor, there will still be 2520 effective parking spaces. If we can cut the vehicle stay below $1\frac{1}{2}$ hours average there would be even more spaces. The maximum metered curb parking possible is 4050 spaces/day if all spaces were full and vehicles stayed one hour.

$$405 \times 10 \div 1.5 \times 93\% = 2511 \text{ spaces/day}$$

$$405 \times 10 \div 1.25 \times 93\% = 3013 \text{ spaces/day}$$

Off-Street parking before the beginning of the Red Line construction was 705 spaces. During 1978-1979 Harvard University made some changes in the operation of the Holyoke Center Garage and the parking lot at the Quincy Square Gulf Station. They also tore down the building on the Church Street lot. These changes resulted in an additional 138 parking spaces.

When Red Line construction began the Municipal Lot at Flagstaff Park was closed with a loss of 38 spaces. Shortly after this the MBTA, the State and the City agreed on enlarging the Municipal Parking Lot at Bennett Street thus added 186 spaces. At the present time there is a total of 1029 off-street parking spaces.

When construction of Parcel 1B and Mt. Auburn Place begins, there will be a loss of 700 off-street parking spaces with 450 spaces being replaced once construction is complete. There is a possibility of using 200 spaces at Harvard University's Business School Parking Lot on a temporary basis for the general public, but the details remain to be worked out.

*This decrease in vehicle stay will be due to an increase in enforcement, fines and collection rate.

LEGAL PARKING SPACES

<u>LOCATION</u>	<u>BEFORE</u>	<u>DURING</u>	<u>AFTER</u>
Appian Way	15	15	15
Bow St.	40	40	40
Boylston St.	52	52(-21 1B)	31
Brattle St.	44	44(-17 RL)	27
Church St.	35	35	35
DeWolfe St.	39	39	39
Dunster St.	25	25(-4RL)	21
Eliot St.	58(-48RL)	10(-10 1B)	0
Farwell Pl.	6	6	6
Garden St.	24(-20 RL)	4(+11 RL)	15 min.
Holyoke St.	15	15	15
Linden St.	11	11	11
Mass. Ave. N. Harvard Sq.	29(-29 RL)	0	0
Mass. Ave. S. Harvard Sq.	43(-15 RL)	28(+15 RL)	43
Mt. Auburn St.	59	59(-16 MP)	43 min.
Plympton St.	33	33	33
Quincy St.	25	25	25
Story St.	6	6	6
On-Street Total	559 (-112 RL)	447 $\begin{pmatrix} -47 \text{ 1B\&MP} \\ +5 \text{ RL} \end{pmatrix}$	405
Lot #1 Flagstaff Park	35 (-35 RL)	0	0
Gulf Station Quincy Square	54 (+16 HU)	70*	70*
Lot #2 Harvard Motel	40	40	40
Church St. Lot	66 (+66 HU)	132	132
Holyoke Center	31	87*	87*
University Pl. Pk. Lot (Mt. Auburn PL)	350	350 (-250 MP)	100
Bennett St. Municipal Pkg. Lot	<u>129 (+221 RL)</u>	<u>350</u>	<u>350</u>
Off-Street Total	705 (+186 RL) (+138 HU)	1029 (-250 MP)	779

*Stack Parking

SUMMARY HARVARD SQUARE PARKING

	<u>BEFORE</u>	<u>AFTER</u>	<u>DIFFERENCE</u>
On-Street	559	405	- 154
Off-Street	<u>705</u>	<u>779</u>	+ <u>74</u>
Total	1264	1184	- 80

RL - Change Due to Red Line Construction

l B - Change Due to Construction of Parcel l B

M P - Change Due to Construction of Mt. Auburn Place

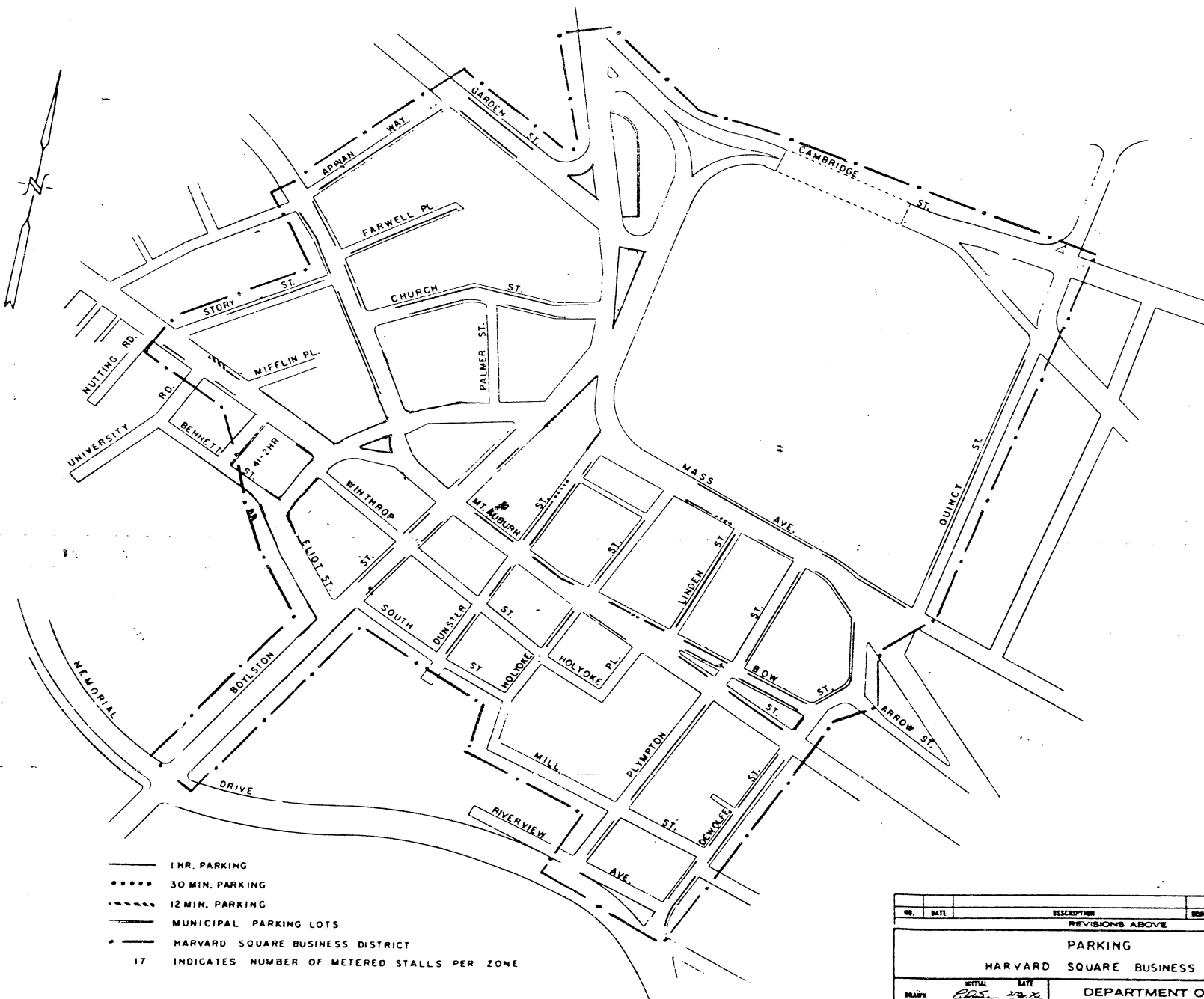
H.U. - Change Due to Harvard University

ON-STREET PARKING

On-Street Parking before Construction	=	559	1 Hr. spaces
Loss Due to Red Line Construction		<u>- 112</u>	
On-Street Parking during Red Line Construction	=	447	1 Hr. spaces
Gain After Red Line Complete		+ 5	
Loss Due to 1 B & Mt. Auburn Place		<u>- 47</u>	
Total Minimum On-Street Parking after All Construction is complete	=	405	1 Hr. spaces

OFF-STREET PARKING

Off-Street Parking before Construction	=	705	spaces
Gain Due to change in operation policy By Harvard University		138	
Gain due to MBTA		<u>+ 186</u>	
Off-Street Parking During Red Line Construction	=	1029	spaces
Loss During 1 B and Mt. Auburn Place construction	=	<u>- 700</u>	
Off-Street Parking During 1 B and Mt. Auburn Place Construction		329	spaces
Off-Street Parking Across River at Business School (Temporary)		<u>+ 200</u>	
		+ 529	Spaces
Public Parking 1 B		+ 350	
Public Parking University Pl.		+ 100	
Public Parking Business School Lot		<u>- 200</u>	
Total Off-Street Parking			
After Red Line, 1 B and Mt. Auburn Place Construction is complete		779	spaces



- 1 HR. PARKING
- 30 MIN. PARKING
- - - - - 12 MIN. PARKING
- M MUNICIPAL PARKING LOTS
- HARVARD SQUARE BUSINESS DISTRICT
- 17 INDICATES NUMBER OF METERED STALLS PER ZONE

NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED	DATE
REVISIONS ABOVE						
PARKING HARVARD SQUARE BUSINESS DISTRICT						
INITIAL		DATE	DRAWING NO.			
DESIGNED		DATE	PK-C-0802			
CHECKED		DATE	SCALE 1"=200'			
DESIGNED		DATE	SHEET NO. 1 OF 1			
DEPARTMENT OF TRAFFIC AND PARKING			CITY OF CAMBRIDGE			

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