

August 15, 1984

INTRODUCED BY CITY MANAGER ROBERT W. HEALY

AN ORDER CONCERNING APPROPRIATIONS FOR THE FISCAL YEAR BEGINNING JULY 1, 1984

ORDERED: That in addition to sums previously appropriated by the City Council for the fiscal period 1984-85 the following sum is hereby appropriated in the Public Investment Fund of the City of Cambridge:

FUNCTION	DEPARTMENT OR PROGRAM	SALARIES & WAGES	OTHER ORDINARY MAINTENANCE	TRAVEL & TRAINING	EXTRAORDINARY EXPENDITURES	APPROPRIATIONS
Community Maintenance and Development					15 000	15 000

BE IT FURTHER ORDERED: That the above appropriations in the Public Investment Fund to be financed by estimated revenues drawn from the following sources:

In City Council August 15, 1984.
Adopted by a yeas and nays vote:-
Yeas 9; Nays 0; Absent 0.
Attest:- Paul E. Healy, City Clerk.

FINANCING PLAN	REVENUE
MBTA Grant	15 000

A true copy;

ATTEST:-



City of Cambridge

MASSACHUSETTS

In City Council August 15, 1984

AGENDA ITEM NUMBER SEVENTEEN

RE: APPROPRIATION OF A \$15,000. GRANT FROM THE MBTA TO THE PUBLIC INVESTMENT
EXTRAORDINARY EXPENDITURE ACCOUNT

	YEA	NAY	ABSENT	PRESENT
Mr. Daniel J. Clinton	✓			
Mr. Thomas W. Danehy	✓			
Mr. Francis H. Duehay	✓			
Ms. Sandra Graham	✓			
Mr. David E. Sullivan	✓			
Mr. Walter J. Sullivan	✓			
Mr. Alfred Vellucci	✓			
Ms. Alice K. Wolf	✓			
Mayor Russell	✓			

9 0 0



CITY OF CAMBRIDGE
INTEROFFICE CORRESPONDENCE

To : Mr. Robert W. Healy
City Manager

Date : July 31, 1984

From : Everett R. Kennedy *ERK*
Commissioner of Public Works

Reference : PROGRESS REPORT

Subject : Cambridge City Dump Site

PURPOSE:

The purpose of this memorandum is to provide the city with an understanding of the current project status (including work performed to date) and remaining project milestones for the project completion. The following information is presented to demonstrate the logical progression of work (past, present to future) for the ultimate development of the site as a major athletic and recreation facility.

MAJOR WORK ACTIVITIES TO DATE

- 1978 Preliminary feasibility study completed which set the site master plan and landform configuration for the MBTA filling activities.
- 1978-1983 MBTA filling and grading activities including site monitoring activities for methane gas generation and settlement to create data base for future site development.
- June 1982 Site survey completed by City to monitor filling activities.
- Jan. 1983 Site design study completed by City utilizing site survey to evaluate proposed master plan. Anticipated site conditions from MBTA filling activities were evaluated and potential problem areas and additional data requirements identified. Major findings included:
1. Site grades did not match proposed 1978 Master Plan requiring significant grading and plan revisions.
 2. Methane gas generation would create poor conditions for establishment of vegetation.

3. Poor soil suitability for vegetation establishment would require extremely costly site preparation activities.
4. Substantial on-site stormwater retention would be required due to apparent inadequate capacities in area storm drains. Additional information was required on drainage system to provide site drainage design.
5. Significant site settlement would be expected over the next 20 years with approximately 50% occurring in the next 5 years.
6. Perimeter gas vent trench constructed by the MBTA appears to be effective. However, additional information was required on drainage system to provide site drainage design.
7. Existing wetland area has only minimum capacity as a stormwater retention area and should be regraded in accordance with the revised master plan regraded for improved use in site stormwater management.

April 1983
to Jan. 1984

Based on the findings, data requirements and recommendations of the design study, a comprehensive monitoring program was conducted to:

1. Determine capacities and potential of existing drainage system surrounding the dump site and develop preliminary design recommendations for stormwater management in terms of required off-site and on-site improvements.
2. Estimate maximum groundwater elevations at the site.
3. Estimate the relationship and potential impacts of the dump site on Fresh Pond via groundwater.
4. Collect additional field data on combustible gas levels beneath the site and document the performance of the existing vent trench with respect to preventing off-site migration of gases.

Findings of this comprehensive monitoring program were outlined in a report and presented to the City and DEQE for review and comment.

Oct. 1983
to Jan. 1984

Second site survey was conducted to evaluate final site grades. Significant problem areas were identified where site grades were not in conformance with master plan elevations and were creating additional drainage problem areas. In addition, excess site fill would require significant and costly site regrading to accommodate proposed facilities.

April 1984
to Present

MBTA conducted subsurface investigations as requested by the City to document depth of fill and fill characteristics for direction of site regrading to accommodate facilities. Additional survey to document test pit elevations and locations is presently being accomplished.

June 1984

The MBTA agreed to provide additional site grading activities as required to provide an interim on-site drainage system and accommodate proposed future facilities. A series of meetings involving "T" and City officials have been held to date this year to develop plans for final grading and termination of "T" contractual activities on the site. It is anticipated that all "T" work will be completed during 1984.

PROPOSED WORK ACTIVITIES

The following items have been outlined as major project milestones which will be required prior to construction to the proposed facility.

- Design of an interim grading and drainage plan to be utilized by the City to direct the MBTA in final grading of the site prior to site acceptance by the City. The purpose of the plan is to reduce drainage problems by on-site redirection and retention of storm water. The directed grading activities

will be based on accommodating facilities as outlined in the revised Master Plan while providing required immediate storm water control in improvements to reduce area drainage problems. A number of flooding conditions have occurred during the past two years impacting properties on Bellis Circle, Sherman and New Streets. New building construction on New Street will be adversely effected by any sizeable storm lending additional impetuous to new water control measures as soon as possible. The ten thousand dollars (\$10,000) appropriation request is necessary to fund the early completion of the interim grading and drainage plan.

- Identification of State and Federal grant programs for potential partial funding of proposed improvements as outlined in the Master Plan. This will include discussions with appropriate agencies to identify eligible items, funding limitations and grant application strategies.

- Development of Phase I improvements plan and preliminary cost estimate for use in grant applications(s). The large difference between the anticipated project development costs and existing (or potential) project budget requires phased project implementation. Certain items are required in Phase I to alleviate unacceptable conditions, such as site drainage, while others will need to be prioritized by the City. It would appear that the following items would make-up Phase I improvements:
 - a. Site drainage including pathway damage system, detention area and New Street drainage.
 - b. Site preparation including (capping if required) grading of subgrade gravel fill, loam and seed to establish the surface and prevent erosion.
 - c. New Street reconstruction including drainage and limited utility service for required site maintenance and fire protection.

- d. Crushed stone parking area and access road.
 - e. Installation of concrete bounds to be utilized in monitoring of future settlement annually.
 - f. Limited recreation/athletic field improvements in accordance with the Master Plan dependent on availability of funding and community priorities.
-
- . Utilization of the preliminary design in presentations to agencies and commission for obtaining concurrence on required permits and final design requirements.
 - . Development of a limited annual monitoring program for methane gas, groundwater quality and settlement as required by DEQE.
 - . Consider development of demonstration turf and plant plots on-site to establish required site preparation for establishment of acceptable site revegetation.
 - . Development of final design documents based on available funding including successful grants.
 - . Obtain permits and approvals as required for project implementation.
 - . Advertisement and bid of proposed Phase I improvements.

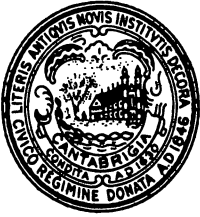
cc: Kathy Spiegelman, Assistant City Manager
for Community Development
Richard Easler, Transportation Coordinator
Community Development
John Kissida, Camp, Dresser & McKee, Inc.
Joan Lastovica, City Engineer

[Faint, illegible text]

RECEIVED

'84 AUG 1 AM 9 16

CAMBRIDGE COMMUNITY
DEVELOPMENT DEPT.



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
Tel. 498-9011

EXECUTIVE DEPARTMENT
ROBERT W. HEALY
City Manager

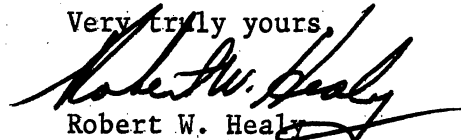
August 15, 1984

To the Honorable, the City Council:

Attached is an order requesting the appropriation of a grant from the MBTA for \$15,000 to the Public Investment Extraordinary Expenditure account to provide funds to prepare the final grading plan for the dump and ensure that the required regrading is undertaken in accordance with that plan.

Passage of the enclosed order is recommended.

Very truly yours,


Robert W. Healy
City Manager

RWH/b

F 268

Re: appropriation of a grant of \$15,000.
from the MBTA to the Public Investment
Extraordinary Expenditure Account.

In City Council,

August 15, 1984

8/15/84

MR
A

Order

Adopted

9-0-0