



# City of Cambridge

## Purchasing Department

Cynthia H. Griffin  
*Purchasing Agent*

**To:** All bidders  
**From:** City of Cambridge  
**Date:** August 23, 2010  
**Re:** File No. 5281, Central Square/Cambridge Highlands Surface Improvements and Erie Street Sewer Separation, Addendum No. 1

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Addendum No. 1 references two packages which consist of the following:

**Package one:**  
Consist of changes to the specifications, drawings and bid package.

**Package two:**  
Forms must be submitted with the bid. Please disregard the original forms that must be submitted with the bid and submit these forms.

All other details remain the same.

  
\_\_\_\_\_  
CYNTHIA H. GRIFFIN  
PURCHASING AGENT

ADDENDUM NO: 1



CITY OF CAMBRIDGE, MASSACHUSETTS  
CONTRACT DOCUMENTS AND SPECIFICATIONS  
FOR CONSTRUCTION OF  
CENTRAL SQUARE / CAMBRIDGE HIGHLANDS SURFACE IMPROVEMENTS  
AND ERIE STREET SEWER SEPARATION

**ADDENDUM NO. 1**

August 23, 2010

**I. GENERAL**

The attention of bidders submitting proposals for the above referenced project is called to the following Addendum to the Contract Documents and Specifications. This addendum is comprised of the following:

- Part II - Modifications to Specifications
- Part III - Modifications to Plans
- Part IV - Responses to Bidder's Written Questions
- Part V - Pre-Bid Conference
- Part VI - Attachments

The items described herein under Part II Modifications to Specifications, Part III Modifications to Plans, Part IV Responses to Bidder's Written Questions and Part VI Attachments, whether of omission, addition, substitution, or clarification, are all included in the proposed work. The items described in Part V Pre-Bid Conference are issued for purposes of directing the bidder to applicable sections of the Contract Documents, but do not modify or become part of the Contract Plans and Specifications.

This Addendum consists of the following page count:

- Parts I, II, III, IV, and V consist of 16 pages, numbered Pages 1 through 16.
- Part VI consists of 44 Pages

Inclusion of this Addendum must be acknowledged by inserting its number on page 1 of SECTION 00300 - FORM FOR GENERAL BID, in the Bid Documents. Failure to acknowledge any or all addenda in the above-specified bid may be cause for rejection of the bid by the Owner on the grounds that it is not responsive.

**II. MODIFICATIONS TO SPECIFICATIONS**

**A. BID PACKAGE**

- a. Modifications were made to SECTION 00300 – FORM FOR GENERAL BID. For consistency in handling these changes, **DELETE** the entire “CONTRACT DOCUMENTS TO BE SUBMITTED WITH THE BID” and **INSERT** the revised “CONTRACT DOCUMENTS TO BE SUBMITTED

WITH THE BID, REVISED – ADDENDUM No. 1”, as provided in Addendum #1, Part VI – ATTACHMENT-A.

**B. SECTION 00300 – FORM FOR GENERAL BID**

- a. **DELETE** the entire SECTION 00300 and **INSERT** the revised SECTION 00300 as provided in Addendum No. 1 – Part VI- ATTACHMENT – A.

**C. SECTION 01025 – MEASUREMENT AND PAYMENT**

- a. After the Measurement and Payment language for Bid Item 01025.2, **INSERT** “**Item 01025.3 Reconnect Drain Lateral (#42 Sunset Road)**”

**METHOD OF MEASUREMENT:**

Payment shall be based on the Lump Sum Price bid for this item in the proposal. Measurement for payment shall be based on the percent completion of the site based on the Contractor’s Schedule of Values and Construction Schedule as measured by the Owner or Engineer.

**BASIS OF PAYMENT/INCLUSION**

Under the Lump Sum Prices bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required for the complete procurement, installation, cleaning, and leakage testing/inspection of reconnecting drain laterals from sewer to drain, complete as indicated on the Drawings and Specifications, or as directed by the Owner or Engineer. The work includes furnishing, installing, and/or performing the following: sawcutting pavement; excavation of bituminous concrete; excavation; removal and disposal of clay, concrete, mortar, or brick in demolition or rehabilitation of underground utilities; transporting material to soil staging area; temporary excavation support consisting of trench boxes; capping of abandoned sewer lateral; abandonment, removal, and disposal of existing, abandoned, or relocated utility pipe and structures; sanitary sewer and/or storm drain flow handling; removal of groundwater from the trench; handling groundwater recharged back to the soil (handling and treatment of groundwater discharged under MWRA or RGP permit is paid under Bid Item 02140.1); filter fabric as required; bedding, including compaction; pipe of various diameters and material with fittings; placing and compacting suitable backfill material, including crushed stone and/or controlled density fill; grade and compact gravel pavement sub-base; compaction testing; 6” hot mix asphalt base course; and all incidental work not included for payment elsewhere.

**SPECIAL NOTES ON EXCLUSIONS:**

The following item(s) are not included for payment under respective items for this item: items defined and paid under other bid items.

**Item 01025.4 Reconnect Drain Lateral (#45 Sunset Road)**

**METHOD OF MEASUREMENT:**

Payment shall be based on the Lump Sum Price bid for this item in the

proposal. Measurement for payment shall be based on the percent completion of the site based on the Contractor's Schedule of Values and Construction Schedule as measured by the Owner or Engineer.

#### BASIS OF PAYMENT/INCLUSION

Under the Lump Sum Prices bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required for the complete procurement, installation, cleaning, and leakage testing/inspection of reconnecting drain laterals from sewer to drain, complete as indicated on the Drawings and Specifications, or as directed by the Owner or Engineer. The work includes furnishing, installing, and/or performing the following: sawcutting pavement; excavation of bituminous concrete; excavation; removal and disposal of clay, concrete, mortar, or brick in demolition or rehabilitation of underground utilities; transporting material to soil staging area; temporary excavation support consisting of trench boxes; capping of abandoned sewer lateral; abandonment, removal, and disposal of existing, abandoned, or relocated utility pipe and structures; sanitary sewer and/or storm drain flow handling; removal of groundwater from the trench; handling groundwater recharged back to the soil (handling and treatment of groundwater discharged under MWRA or RGP permit paid under Bid Item 02140.1); filter fabric as required; bedding, including compaction; pipe of various diameters and material with fittings; placing and compacting suitable backfill material, including crushed stone and/or controlled density fill; grade and compact gravel pavement sub-base; compaction testing; 6" hot mix asphalt base course; and all incidental work not included for payment elsewhere.

#### SPECIAL NOTES ON EXCLUSIONS:

The following item(s) are not included for payment under respective items for this item: items defined and paid under other bid items.

#### **Item 01025.5 Reconnect Drain Lateral (#39 Normandy Avenue)**

#### METHOD OF MEASUREMENT:

Payment shall be based on the Lump Sum Price bid for this item in the proposal. Measurement for payment shall be based on the percent completion of the site based on the Contractor's Schedule of Values and Construction Schedule as measured by the Owner or Engineer.

#### BASIS OF PAYMENT/INCLUSION

Under the Lump Sum Prices bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required for the complete procurement, installation, cleaning, and leakage testing/inspection of reconnecting drain laterals from sewer to drain, complete as indicated on the Drawings and Specifications, or as directed by the Owner or Engineer. The work includes furnishing, installing, and/or performing the following: sawcutting pavement; excavation of bituminous concrete; excavation; removal and disposal of clay, concrete, mortar, or brick in demolition or rehabilitation of

underground utilities; transporting material to soil staging area; temporary excavation support consisting of trench boxes; capping of abandoned sewer lateral; abandonment, removal, and disposal of existing, abandoned, or relocated utility pipe and structures; sanitary sewer and/or storm drain flow handling; removal of groundwater from the trench; handling groundwater recharged back to the soil (handling and treatment of groundwater discharged under MWRA or RGP permit paid under Bid Item 02140.1); filter fabric as required; bedding, including compaction; pipe of various diameters and material with fittings; placing and compacting suitable backfill material, including crushed stone and/or controlled density fill; grade and compact gravel pavement sub-base; compaction testing; 6" hot mix asphalt base course; fiberglass sectional lining of existing sewer and/or drain as indicated on the Drawings; and all incidental work not included for payment elsewhere.

**SPECIAL NOTES ON EXCLUSIONS:**

The following item(s) are not included for payment under respective items for this item: items defined and paid under other bid items.

**Item 01025.6 Reconnect Drain Lateral (#68 Normandy Avenue)**

**METHOD OF MEASUREMENT:**

Payment shall be based on the Lump Sum Price bid for this item in the proposal. Measurement for payment shall be based on the percent completion of the site based on the Contractor's Schedule of Values and Construction Schedule as measured by the Owner or Engineer.

**BASIS OF PAYMENT/INCLUSION**

Under the Lump Sum Prices bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required for the complete procurement, installation, cleaning, and leakage testing/inspection of reconnecting drain laterals from sewer to drain, complete as indicated on the Drawings and Specifications, or as directed by the Owner or Engineer. The work includes furnishing, installing, and/or performing the following: sawcutting pavement; excavation of bituminous concrete; excavation; removal and disposal of clay, concrete, mortar, or brick in demolition or rehabilitation of underground utilities; transporting material to soil staging area; temporary excavation support consisting of trench boxes; capping of abandoned sewer lateral; abandonment, removal, and disposal of existing, abandoned, or relocated utility pipe and structures; sanitary sewer and/or storm drain flow handling; removal of groundwater from the trench; handling groundwater recharged back to the soil (handling and treatment of groundwater discharged under MWRA or RGP permit paid under Bid Item 02140.1); coring into existing manhole and grouting new manhole connection to form watertight joint; filter fabric as required; bedding, including compaction; pipe of various diameters and material with fittings; placing and compacting suitable backfill material, including crushed stone and/or controlled density fill; grade and compact gravel pavement sub-base; compaction testing; 6" hot mix asphalt

base course; and all incidental work not included for payment elsewhere.

**SPECIAL NOTES ON EXCLUSIONS:**

The following item(s) are not included for payment under respective items for this item: items defined and paid under other bid items. ”

- b. **REPLACE** title “Item 01390.1 – Pre/Post Construction Survey (Internal and External)” with title “**Item 01390.1 – Pre/Post Construction Survey (External)**”
- c. After the Measurement and Payment language for Bid Item 01390.1 **INSERT** “**Item 01390.2 – Pre/Post Construction Survey (Internal)**”

**METHOD OF MEASUREMENT:**

Payment for Pre/Post Construction Survey shall be based on the Unit Price bid for this item in the proposal. Measurement for payment shall be a maximum of one half (1/2) the unit price value after all documents and similar items have been submitted to, and approved by the Engineer for the pre-construction survey phase of the work. The balance shall be paid to the Contractor upon the resolution of all outstanding personal property claims, and as measured and approved by the Engineer.

**BASIS OF PAYMENT/INCLUSION:**

Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required for pre/post construction survey as indicated in the Contract Documents. This work includes furnishing, installing and/or performing the following: conducting a pre-construction and post-construction survey as specified in the Contract Specifications; and all incidental work not included for payment elsewhere. ”

- d. **REPLACE** bid item number “Item 01500.1 – Registered Professional Land Surveyor” with bid item number “**Item 01400.1 – Registered Professional Land Surveyor**”
- e. **REPLACE** bid item number “Item 01500.2 – Test Pits” with bid item number “**Item 01500.1 – Test Pits**”
- f. After the Measurement and Payment language for Bid Item 01630.1 **INSERT** “**Item 01630.2 – Street Name Sign**”

**METHOD OF MEASUREMENT:**

Measurement for Payment for this item shall be based on the actual number of Street Name Signs installed as specified and indicated in the Contract Documents or as directed by the Engineer.

**BASIS OF PAYMENT**

Payment for this item shall be based on the unit price bid for this item in the proposal. Under the unit price for this item, the Contractor shall furnish all

labor, materials, tools, equipment, and incidentals required to install street name signs as shown on the Contract Drawings, where specified, or at the direction of the Engineer. The work includes, but is not limited to: securing street signs to traffic sign posts using specified hardware, brackets, and bolts.

**EXCLUSIONS:**

The following item(s) are not included for payment under this item and are included for payment elsewhere: traffic sign posts, which are paid for under item 01630.3.

**Item 01630.3 – Traffic Sign Post**

**METHOD OF MEASUREMENT:**

Measurement for Payment for this item shall be based on the actual number of Traffic Sign Posts installed as specified and indicated in the Contract Documents or as directed by the Engineer.

**BASIS OF PAYMENT**

Payment for this item shall be based on the unit price bid for this item in the proposal. Under the unit price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to install traffic sign posts as shown on the Contract Drawings, where specified, or at the direction of the Engineer. The work includes, but is not limited to: excavation, furnish and placement of concrete and/or sand, compaction, furnishing and placing steel channel post and mounting system.

**EXCLUSIONS:**

The following item(s) are not included for payment under this item and are included for payment elsewhere: Street Name Signs, which are paid for under item 01630.2. ”

**D. SECTION 01390 – PRE CONSTRUCTION SURVEY**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**E. SECTION 01400 – QUALITY CONTROL**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**F. SECTION 01500 – TEMPORARY FACILITIES AND CONTROLS**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**G. SECTION 01505 – MOBILIZATION**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**H. SECTION 01570 – MAINTENANCE AND PROTECTION OF TRAFFIC**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**I. SECTION 01630 – RESTORATION OF GROUNDS AND CLEANING UP**

- a. After ‘ITEM 01630.1 MEMORIAL SIGN REMOVED AND RESET EACH’  
**INSERT** ‘ITEM 01630.2 STREET NAME SIGN EACH’  
**INSERT** ‘ITEM 01630.3 TRAFFIC SIGN POST EACH’

- b. at the end of PART 1 – GENERAL  
**DELETE** the section entitled “Compensation”

- c. at the end of PART 1 – GENERAL after the paragraph ending with the sentence “...(\$750.00) per sign.”  
**INSERT** the section:  
**‘ITEM 01630.2 STREET NAME SIGN EACH**

Work to be done under this item shall conform to the relevant provisions of Section 828 of Standard Specifications and to the following:

Street name signs shall conform to City of Cambridge specifications, and shall be 9” high. Signs shall be 24” to 36” long, depending on the length of legend required.) Lettering shall be 5”-6” height FHWA series B lettering. Signs shall have white high intensity lettering on green EC film.

The location, number and legend of new signs which are required shall be as shown on the Drawings or as directed by the Engineer.”

- d. After insertion of section detailed in II.C.c  
**INSERT** the section:  
**‘ITEM 01630.3 TRAFFIC SIGN POST EACH**

Work to be done under this item shall consist of:

- Furnishing and installing new traffic sign posts as shown on the Drawings, as directed by the Engineer and in conformance with City of Cambridge Department of Traffic, Parking and Transportation specifications.

**New Posts:** New traffic sign posts shall be galvanized steel flanged channel sign support systems for the mounting of traffic signs, street name signs and safety devices as manufactured by Franklin Steel or EZE-Erect or equal.

**Note well: It is critical that traffic sign posts not impede accessible pedestrian access.** The Contractor shall install sign posts in locations shown on the Drawings, and at additional locations as directed by the

Engineer, prior to installation of sidewalk. In general, sign posts located in landscaped areas shall be located 24" from the front of curb face. Sign posts located in sidewalk areas shall be located at the back of sidewalk. All sign post locations shall be verified in the field with the Engineer prior to placement.

The Contractor shall install into the ground a 3' long – 3 lbs/ft galvanized steel flange channel post base with the top of base 8" above sidewalk grade and attach using mounting system by Franklin Steel or EZE-Erect or equal safety system to a 10' long – 2 lbs/ft galvanized steel flange channel post.

Post base shall be installed into a cored 2 1/4" hole in newly placed concrete (or HMA base in brick areas) with hole around post base filled in with sand. As an alternative, concrete or HMA may be placed directly around the post base.

Care shall be taken to install sign post bases in the appropriate direction for sign attachments and proper viewing. All signs shall be installed as high as possible on post with no sign being lower than 7 feet from final sidewalk grade. Sign bases shall be protected with safety barriers prior to installation of signposts. The Contractor shall install signposts and attach signs within 24 hours after sidewalk installation."

- e. After 'PART 3 – EXECUTION (Not Used)' **INSERT**  
'PART 4 – COMPENSATION (Refer to Section 01025)'

**J. SECTION 02015 – GEOTECHNICAL INSTRUMENTATION AND MONITORING**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with  
'PART 4 – COMPENSATION (Refer to Section 01025)'

**K. SECTION 02080 – SOIL AND FILL MANAGEMENT**

- a. **DELETE** the entire PART 4.3 – PAYMENT ITEMS and **REPLACE** with  
'PART 4.3 – PAYMENT ITEMS (Refer to Section 01025)'

**L. SECTION 02095 – TRANSPORTATION AND DISPOSAL OF SOIL AND FILL**

- a. **DELETE** the entire PART 4.3 – PAYMENT ITEMS and **REPLACE** with  
'PART 4.3 – PAYMENT ITEMS (Refer to Section 01025)'

**M. SECTION 02100 – SITE PREPARATION**

- a. In PART 1- GENERAL after item 7 ending with the sentence "...City Tree Warden"  
**DELETE** 'METHOD OF MEASUREMENT' and the paragraph beneath it and **DELETE** 'BASIS OF PAYMENT' and the paragraph beneath it.

- b. In PART 1- GENERAL

**DELETE** ‘Item 02100.2 – Remove and Dispose of Tree Grate’ and the two paragraphs beneath it titled METHOD OF MEASUREMENT and BASIS OF PAYMENT/INCLUSIONS

- c. In PART 1- GENERAL after the section titled ‘Inspection, Remedies, and Acceptance’ and ending with the sentence “...these Contract Documents.)”  
**DELETE** ‘METHOD OF MEASUREMENT’ and the paragraph beneath it and **DELETE** ‘BASIS OF PAYMENT’ and the paragraph beneath it.
- d. At the end of Section 02100  
**INSERT**  
‘PART 2 – PRODUCTS (Not Used)’  
‘PART 3 – EXECUTION (Not Used)’  
‘PART 4 – COMPENSATION (Refer to Section 01025)’

**N. SECTION 02140 – DEWATERING**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**O. SECTION 02210 – EARTH EXCAVATION, BACKFILL, FILL, AND GRADING**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**P. SECTION 02500 – PAVING AND SURFACING**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**Q. SECTION 02524 – CURBS, GUTTERS, AND WALKS**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**R. SECTION 02577 – PAVEMENT MARKINGS**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**S. SECTION 02950 – TREE PLANTING**

- a. **DELETE** the entire PART 4 – COMPENSATION and **REPLACE** with ‘PART 4 – COMPENSATION (Refer to Section 01025)’

**III. MODIFICATIONS TO PLANS**

**A. Figure CB-1 and CB-2**

- a. **INSERT** Figure CB-1 and CB-2 found in Part VI – ATTACHMENTS – B.1

**B. SHEET R-3**

- a. **DELETE** the entire sheet and **REPLACE** with sheet ‘ADD1 R-3’ found in

Part VI – ATTACHMENTS – B.2

**C. SHEET R-4**

- a. **DELETE** the entire sheet and **REPLACE** with sheet ‘ADD1 R-4’ found in Part VI – ATTACHMENTS – B.2

**D. Figure WCR-1**

- a. **INSERT** Figure WCR-1 found in Part VI – ATTACHMENTS – B.3

Work related to additional sidewalk and wheelchair ramp restoration work, as well as the reconnection of catchbasin laterals from sewer to drain, is being added to the contract via this addendum. Drawings for added scope items can be found in Part VI – ATTACHMENTS - B.

**IV. RESPONSES TO BIDDER’S WRITTEN QUESTIONS**

No written questions were submitted to Cambridge Purchasing Department before 4:00 p.m. on August 17, 2010.

**V. PRE-BID CONFERENCE**

The Pre-Bid conference was held at 2 pm on August 16, 2010 at the office of Cambridge Department of Public Works. The Agenda and Sign-In Sheet for the Pre-Bid Conference are included at the end of this section.

The City’s Representatives made the following comments.

#1: Bidders were reminded that their bids must be inserted into the LOCK BOX at the Cambridge Purchasing Department by the deadline specified in SECTION 0020 – Invitation to Bid.

#2: Bidders were reminded to include Subcontractor Forms from SECTION 00314, SECTION 00320, AND SECTION 00324 with their bid. If subcontractors are not identified at the time of the bid, Bidder should state so on the forms and include the forms with their bid.

#3: Specialty stones, such slate, blue stone, and flag stone, which are not reused as part of the work of this contract shall be remain the property of the Owner and shall be transported to a location designated by the Owner.

#4 It is the intent of the contract to maximize the reuse of existing excavated soils where possible in accordance with SECTION 02080 – Soil and Fill Management. This may require that excavated soils be segregated so as not to cross contaminate soils from different locations. Surplus material must be tested and disposed in accordance with specifications.

#5. Contractor must coordinate with utilities.

#6. Contractor must coordinate with MBTA for temporary relocation of bus stops and bus routes and with Cambridge Traffic Department on temporary relocation of parking meters.

The following questions were asked by attendees at the meeting:

Question #1: Can existing soils be reused?

Answer #1: Existing materials can be reused if they meet the quality criteria specified in the Contract Documents.

Question #2: How much sidewalk can be torn up at one time and how much trench can be torn up at one time.?

Answer #2: Experience has shown that the length of sidewalk that can be torn up at one time is controlled by the need to provide and maintain safe temporary pedestrian by-pass corridors. Similarly, experience has shown that the maximum trench that can be opened at one time is usually controlled by the need to provide and maintain safe temporary traffic management and access to properties.

Question #3: Is there any restriction as to when and where the work is to be done?

Answer #3: Contractor's attention is directed to SECTION 00825A-SPECIAL CONDITIONS where Article 2 – Special Considerations and Notices, Paragraph j states the following:

“The work location detailed on Sheets R-1 through R-8 (Massachusetts Avenue) is a high priority location for the City. The Contractor is required to coordinate any and all construction with owners that hold a City sidewalk business use license from the City. Coordination shall include, but be limited to, scheduling work to accommodate the sidewalk business use and assisting the license holder in moving temporary facilities appurtenant to the sidewalk business use. This coordination with sidewalk business use license holders shall be considered incidental to work performed under this contract.”

and where Article 7 – Sequence of Work, states in part the following:

“The work location detailed on Sheets R-1 through R-8 (Massachusetts Avenue) is a high priority location for the City. The work under this contract must start at the Massachusetts Avenue location on the start date established in the Notice to Proceed. The Contractor must give written notice to all property owners at the Massachusetts Avenue location at least 5 business days prior to the start of the work at this location”.

The Agenda and Sign-in Sheet for the Pre-Bid conference are included hereafter:

**Cambridge Department of Public Works  
Cambridge, MA**

***Central Square/Cambridge Highlands Surface  
Improvements and Erie Street Sewer Separation***

***PRE-BID CONFERENCE***

August 16, 2010, 2:00 P.M.  
Offices of the Cambridge Department of Public Works  
Main Conference Room  
147 Hampshire Street  
Cambridge, MA 02139



- 
1. Introductions and Sign In
  2. Bidding
    - a. Date, Time, and Location of Bid Opening, Section 0020
    - b. Bid opening is currently scheduled for 2pm, Thursday, August 26<sup>th</sup>
    - c. Deadline for submitting questions is Tuesday August 17, 2010, 4pm, to the Cambridge Purchasing Dept.
    - d. Anticipate 1 addendum, to be issued later this week
    - e. Original and one copy of BID PACKAGE must be submitted
    - f. Bids must be inserted into LOCK BOX at Purchasing Department by the deadline specified in the Invitation to Bid.
  3. Time of Completion, Section 00100, Page 6 ...548 days
  4. Bid Submittal Requirements - Review Bid Check List
    - a. Americans with Disabilities Act certification, Section 00220
    - b. Forms for General Bid, Section 00300
    - c. Bid Bond, Section 00310
    - d. Minority Business Enterprise Requirements, Section 00311
    - e. Statement of Bidder's Qualifications, Section 00312

- f. General Contractor’s Certification Form, Section 00313
  - g. Subcontractor Certification Form, Section 00314
  - h. Projected Workforce Certification, Section 00315
  - i. Cambridge Responsible Employer Plan – General Contractor Certification Form, Section 00316
  - j. Cambridge Responsible Employer Plan – Subcontractor Certification Form, Section 00320
  - k. CORI Compliance Form Section 00322
  - l. OSHA General Contractor Certification Form Section 00323
  - m. OSHA Subcontractor Certification Form Section 00324
5. Existing Conditions and Design Intent
- a. Site Locations
  - b. Surface Characteristics
    - i. Mixture of brick and concrete sidewalks and bituminous streets in residential and commercial areas
    - ii. Provide surface restoration of degraded sidewalks and wheelchair ramps per Architectural Access Board requirements and re-pave selected streets and/or intersections.
  - c. Subsurface System
    - i. Over-under drain and sewer system with common manholes
    - ii. Separate the interconnections between sewers and drains so that stormwater can be removed from the sewer system and safely discharged to the Charles River, while at the same time reducing stormwater inflow to the MWRA sewer system.
6. General Description of Proposed Work
- a. Surface Restoration
    - i. Conduct pre- and post-construction surveys of all properties within 15-ft of the work zone
    - ii. Reconstruct brick and concrete sidewalks and concrete wheelchair ramps per AAB requirements in areas affected by previous sewer separation work at various locations.
    - iii. Provide grind & overlay of bituminous streets affected by previous sewer separation work at various locations.
    - iv. Restore other surface features per construction documents, including signs, bike racks, telephones, trees grates, etc.

- v. Per the construction plans, some areas designated for improvements require a detailed topographic survey and design to be undertaken by the Engineer. Final grading plans will be developed and delivered to the Contractor during the construction phase at a date to be determined.
- b. Sewer Separation
  - i. Separation of 3 common manholes on Erie Street, which includes:
    1. conversion of existing common manhole to SMHs
    2. installing new DMHs and associated RCP drains and fittings
    3. new catchbasins
- c. Soil and Waste Management  
City's LSP will review Contractor's management and disposal plan, review Contractor's documentation and reports, prepare LSP letters, obtain City's signoff.
- d. Permits -Section 01060  
Contractor will be responsible for obtaining all permits. DPW has submitted a draft MWRA 8M permit but Contractor shall obtain the final permit from MWRA.
- e. Work Hours  
Normal Work: hours 7am to 4 pm
- f. Tree Protection  
All trees within the work zone or in vicinity of work zone where there is a potential for damaging the trees must be protected
- g. Coordination with Utilities
- h. Coordination with Property Owners and Local Businesses
  1. Joint effort by City and Contractor
  2. DPW to produce Addendum with sequencing requirements for surface restoration at selected properties in Central Square
- i. Traffic Management  
Contractor will be responsible for designing detailed traffic management plans and coordination with MBTA bus routes and bus stops, City traffic (parking meters)
- j. Schedule of Values – Section 01301  
Requiring detail breakdown for the lump sum prices.

#### Questions and Answers/Comments

SIGN - IN SHEET for PREBID MEETING			
Project:	Central Square/Cambridge Highlands Surface Improvements and Erie Street Sewer Separation		
Owner:	City of Cambridge Dept. of Public Works, 147 Hampshire St, Cambridge, MA		
Date:	August 16, 2010 2pm		
Person Name	Agency/Company Name and Address	Telecommunication	Email Address
DENNIS CARR	MWH 12 FARNSWORTH ST, 2ND FL BOSTON, MA 02210	Tel: 617-314-7102 Cell: 617-554-8692 Fax: 617-314-7150	dennis.carr@mwh-global.com
Matt Wilson	MWH 12 Farnsworth Boston MA 02210	Tel: 617-314-7100 Cell: Fax:	matthew.a.wilson@mwh-global.com
Pete McKenney	Gorwin Pump 89 Stockholm Rd Boston CT 06714	Tel: 860-889-2845 Cell: 860-625-3960 Fax: 860-889-0673	pete.mckenney@judwinpumps.com
Moh Azizi	BRIDGES LLC. 28 SUTTON CORSE WACANT, MA.	Tel: 978-687-1800 Cell: 978-877-5004 Fax: 978-687-1844	M05A21400@Yahoo.Com.
Tom Ritchie	Witchamachia Coast 923 COMMERCIAL ST MALDEN MA 02148	Tel: 781-322-1955 Cell: 781-322-1944 Fax:	thomas.ritchie@sejcon.com
Tom Ritchie	KLEINFELDER/SEA 215 FIRST ST CAMBRIDGE, MA 02139	Tel: 781-591-6906 Cell: Fax:	
Katry Waters	PRC 147 Hampshire	Tel: 617-349-4751 Cell: Fax:	Kwaters@CambridgeMa.org

SIGN - IN SHEET for PREBID MEETING			
Project: Central Square/Cambridge Highlands Surface Improvements and Erie Street Sewer Separation			
Owner: City of Cambridge Dept. of Public Works, 147 Hampshire St, Cambridge, MA			
Date: August 16, 2010 2pm			
Person Name	Agency/Company Name and Address	Telecommunication	Email Address
Anthony Fucini	STEAD CONSTRUCTION	Tel: 617 406 8340 Cell: 781 380 8330 Fax: 781 381 0188	STANON.CONSTRUCTION@MAIL
		Tel:	
		Cell:	
		Fax:	
		Tel:	
		Cell:	
		Fax:	
		Tel:	
		Cell:	
		Fax:	
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		Tel:	
		Cell:	
		Fax:	

**VI. ATTACHMENTS**

**ATTACHMENT-A “CONTRACT DOCUMENTS TO BE SUBMITTED WITH THE  
BID – REVISED – ADDENDUM No. 1”**

**(SEPARATELY BOUND DOCUMENT)**

**ATTACHMENT-B DRAWINGS**

**Attachment B.1 ‘Figure CB-1’  
‘Figure CB-2’**

**Attachment B.2 Sheet ‘ADD1 R-3’  
Sheet ‘ADD1 R-4’**

**Attachment B.3 ‘Figure WCR-1’**

**CONTRACT DOCUMENTS  
TO BE SUBMITTED WITH THE BID  
REVISED - ADDENDUM No. 1  
(Attachment A)**



**Central Square / Cambridge Highlands Surface Improvements and Erie Street Sewer Separation**



**CITY OF CAMBRIDGE  
PUBLIC WORKS DEPARTMENT  
July 2010**

**Americans With Disabilities Act (42 U.S.C. 12131)  
Section 504 of the Rehabilitation Act of 1973**

The Americans with Disabilities Act (the "Act") applies to all employers of fifteen or more employees. All vendors that are subject to the Act must comply with its provisions. In further compliance with the Act, all Contractors who enter into contracts with the City are prohibited from discrimination against the City's employees, regardless of the size of the Contractor.

The Act protects against discrimination on the basis of "disability", which is defined as a physical or mental impairment that substantially limits at least one "major life activity"; discrimination against a person having a history or record of such impairment; and discrimination against an individual regarded - even if inaccurately - as having such an impairment. The Act also expressly prohibits discrimination that is based on an individual's relationship or association with a disabled person.

The bidder shall not discriminate against any qualified employee or job applicant with a disability and will make the activities, programs and services covered by any contract awarded through this procurement readily accessible to and usable by individuals with disabilities. To be qualified for a job, or to avail oneself of the bidder's services, the individual with the disability must meet the essential eligibility requirements for receipt of the bidder's services or participation in the bidder's programs or activities with or without: 1) reasonable modifications to the bidder's rules, policies and practices; 2) removal of architectural, communication, or transportation barriers; or, 3) provisions of auxiliary aids and services.

By submitting its bid, the bidder certifies to the City of Cambridge that it understands and will comply with all applicable provisions of the Act, including compliance with applicable provisions of Section 504 of the Rehabilitation Act of 1973, if the bidder is receiving federal funds.

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals

As required by M.G.L. c. 62C, §49A, the undersigned certifies under the penalties of perjury that the bidder has complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

Date: \_\_\_\_\_

---

Print Name of Person signing Bid

---

Signature and Title

FORM FOR GENERAL BID

To the Awarding Authority: CITY OF CAMBRIDGE, MASSACHUSETTS

A. The undersigned proposes to furnish all labor and materials required for

Central Square/Cambridge Highlands Surface Improvements and  
Erie Street Sewer Separation

CAMBRIDGE, MA

in accordance with the accompanying plans and specifications including all Labor and Materials, for the contract price specified below, subject to additions and deductions according to the terms of the specifications.

B. QUALITY REQUIREMENTS

The City of Cambridge will reject any bid that does not meet the quality requirements. A "no" response or a failure to respond to any of the following quality requirements will result in a rejection of your bid.

The bidder may utilize subcontractors' qualifications for responding to the quality requirements. However, the bidder is specifically advised that any person, firm or other party to whom it proposes to award a subcontract under the terms of this contract must be acceptable to the owner and to the Commonwealth of Massachusetts.

The bidder must provide references including telephone number and contact names from at least three locations where they are currently providing the same services. References will be used in determining the responsibility of the bidder. The city reserves the right to use itself as a reference.

- |  |     |    |
|--|-----|----|
| 1. Bidder has been in the business of performing reconstruction of sewers, drains, water mains, sidewalks, and roadways for municipalities or public utilities for at least three (3) years.         | YES | NO |
| 2. Bidder has equipment and personnel available to respond within four (4) hours to emergency calls relating to work of this contract 24 hours a day, 7 days a week, throughout the contract period. | YES | NO |

C. This bid includes addenda numbered \_\_\_\_\_

D. The Proposed Contract Price is \_\_\_\_\_

\_\_\_\_\_ DOLLARS

(\$ \_\_\_\_\_)

E. The subdivision of the Proposed Contract Price is as follows: **(All quantities are approximate)**

(SEE FOLLOWING PAGES)

Bidder's Name \_\_\_\_\_

Central Square/Cambridge Highlands  
Surface Improvements and Erie Street Sewer Separation  
Addendum No. 1

FORM FOR GENERAL BID

00300-1

BID ITEMS

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
01025.1	1	Lump Sum	Site 1 – Erie Street (S29COM0050) _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01025.2	1	Lump Sum	Site 2 – Erie Street and Pearl Street (S29COM0055 & S29COM0065) _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01025.3	1	Lump Sum	Reconnect Drain Lateral (#42 Sunset Road) _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01025.4	1	Lump Sum	Reconnect Drain Lateral (#45 Sunset Road) _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01025.5	1	Lump Sum	Reconnect Drain Lateral (#39 Normandy Avenue) _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01025.6	1	Lump Sum	Reconnect Drain Lateral (#68 Normandy Avenue) _____ Dollars (\$ _____) Per Lump Sum	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
01105.1	1	Lump Sum	Rodent Control _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01200.1	1	Lump Sum	Temporary Utility Support and Coordination _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01390.1	134	Each	Pre/Post Construction Survey (External) _____ Dollars (\$ _____) Per Each	\$ _____
01390.2	3	Each	Pre/Post Construction Survey (Internal) _____ Dollars (\$ _____) Per Each	\$ _____
01400.1	1	Lump Sum	Registered Professional Land Surveyor _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01500.1	25	Cubic Yards	Test Pits _____ Dollars (\$ _____) Per Cubic Yard	\$ _____
01505.1	1	Lump Sum	Mobilization (not to exceed 5% of Total Amount Bid) _____ Dollars (\$ _____) Per Lump Sum	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
01568.1	1	Lump Sum	Erosion and Sediment Control _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01570.1	1	Lump Sum	Traffic and Pedestrian Management _____ Dollars (\$ _____) Per Lump Sum	\$ _____
01570.2	24	Unit Weeks	Variable Message Board _____ Dollars (\$ _____) Per Week	\$ _____
01570.3	400	Square Feet	Safety Signage for Construction Operations _____ Dollars (\$ _____) Per Square Foot	\$ _____
01630.1	5	Each	Memorial Sign and Removed and Reset _____ Dollars (\$ _____) Per Each	\$ _____
01630.2	6	Each	Street Name Sign _____ Dollars (\$ _____) Per Each	\$ _____
01630.3	25	Each	Traffic Sign Post _____ Dollars (\$ _____) Per Each	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02015.1	1	Lump Sum	Geotechnical Instrumentation and Monitoring _____ Dollars (\$ _____) Per Lump Sum	\$ _____
02080.1	1	Lump Sum	OHM – Soil and Fill Management <b>Twenty Thousand and 00/100 +</b> _____ = _____ Dollars (\$ <b>20,000.00 +</b> _____ = _____) Per Lump Sum	\$ _____
02080.2	18	Cubic Yards	OHM – Handling Suspected Asbestos-Contaminated Soil/Fill <b>Fifty and 00/100 +</b> _____ = _____ Dollars (\$ <b>50.00 +</b> _____ = _____) Per Cubic Yard	\$ _____
02080.3	18	Cubic Yards	OHM – Handle/Characterize Unknown Materials <b>Fifty and 00/100 +</b> _____ = _____ Dollars (\$ <b>50.00 +</b> _____ = _____) Per Cubic Yard	\$ _____
02080.4	402	Cubic Yard	OHM – Reuse Soil/Fill as On-site Common Fill <b>Ten and 00/100 +</b> _____ = _____ Dollars (\$ <b>10.00 +</b> _____ = _____) Per Cubic Yard	\$ _____
02095.1	18	Tons	OHM – Disposal of Soil – Impacted <RCS-1 (Class A-2) <b>Ten and 00/100 +</b> _____ = _____ Dollars (\$ <b>10.00 +</b> _____ = _____) Per Ton	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02095.2	720	Tons	OHM – Disposal of Soil – Daily Cover Unlined Landfill (Class B-1) <b>Ten and 00/100 +</b> _____ = _____ Dollars (\$ <b>10.00 +</b> _____ = _____) Per Ton	\$ _____
02095.3	90	Tons	OHM – Disposal of Soil – Daily Cover Lined Landfill (Class B-2) <b>Twenty and 00/100 +</b> _____ = _____ Dollars (\$ <b>20.00 +</b> _____ = _____) Per Ton	\$ _____
02095.4	90	Tons	OHM – Non-Hazardous Solid Waste Asphalt Batching In-State (Class B-3) <b>Twenty and 00/100 +</b> _____ = _____ Dollars (\$ <b>20.00 +</b> _____ = _____) Per Ton	\$ _____
02095.5	18	Tons	OHM – Non Hazardous Solid Waste Thermal Treatment (Class B-4) <b>Thirty and 00/100 +</b> _____ = _____ Dollars (\$ <b>30.00 +</b> _____ = _____) Per Ton	\$ _____
02095.6	18	Tons	OHM – Non Hazardous Solid Waste Recycle (Class B-5) <b>Thirty and 00/100 +</b> _____ = _____ Dollars (\$ <b>30.00 +</b> _____ = _____) Per Ton	\$ _____
02095.7	54	Tons	OHM – Non Hazardous Solid Waste (Class B-6) <b>Forty and 00/100 +</b> _____ = _____ Dollars (\$ <b>40.00 +</b> _____ = _____) Per Ton	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
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FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02095.8	18	Tons	OHM – Disposal of Soil – Treat and Dispose of Toxic Lead Soil RCRA Hazardous Waste (Class C-1) <b>Eighty and 00/100 +</b> _____ = _____ Dollars (\$ <b>80.00 +</b> _____ = _____) Per Ton	\$ _____
02095.9	18	Tons	OHM – Disposal of RCRA Hazardous Waste (Class C-2) <b>One Hundred and 00/100 +</b> _____ = _____ Dollars (\$ <b>100.00 +</b> _____ = _____) Per Ton	\$ _____
02095.10	18	Tons	OHM – Disposal of Asbestos Waste <b>Eighty and 00/100 +</b> _____ = _____ Dollars (\$ <b>80.00 +</b> _____ = _____) Per Ton	\$ _____
02095.11	18	Tons	OHM – Disposal of PCB/TSCA Contaminated Soils <b>One Hundred and 00/100 +</b> _____ = _____ Dollars (\$ <b>100.00 +</b> _____ = _____) Per Ton	\$ _____
02100.1	210	Each	Tree Protection and Maintenance _____ Dollars (\$ _____) Per Each	\$ _____
02100.2	35	Each	Tree Grate Removal and Disposal _____ Dollars (\$ _____) Per Each	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
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FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02100.3	210	Each	Tree Pruning _____ Dollars (\$ _____) Per Each	\$ _____
02140.1	10	Days	Treatment of Construction Dewatering _____ Dollars (\$ _____) Per Day	\$ _____
02210.1	30	Cubic Yards	Gravel Borrow _____ Dollars (\$ _____) Per Cubic Yard	\$ _____
02210.2	30	Cubic Yards	Controlled Density Fill – Excavatable _____ Dollars (\$ _____) Per Cubic Yard	\$ _____
02210.3	10	Cubic Yards	Crushed Stone _____ Dollars (\$ _____) Per Cubic Yard	\$ _____
02500.1	36,850	Square Yards	Cold Planing, 0-in to 3-in, Full and Partial Width _____ Dollars (\$ _____) Per Square Yard	\$ _____
02500.2	4130	Tons	Hot Mix Asphalt Top Course _____ Dollars (\$ _____) Per Ton	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02500.3	2330	Linear Feet	Hot Poured Rubberized Asphalt Sealer _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02500.4	2330	Linear Feet	Bituminous Concrete Infrared Pavement Sealing _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02500.5	75	Tons	6-in Bituminous Concrete Trench Pavement _____ Dollars (\$ _____) Per Ton	\$ _____
02500.6	500	Tons	Hot Mix Asphalt for Miscellaneous Work _____ Dollars (\$ _____) Per Ton	\$ _____
02500.7	9900	Linear Feet	Sawcutting Asphalt Pavement _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02524.1	3230	Square Yards	4-in Cement Concrete Sidewalks _____ Dollars (\$ _____) Per Square Yard	\$ _____
02524.2	1080	Square Yards	6-in Cement Concrete Sidewalks at Driveways _____ Dollars (\$ _____) Per Square Yard	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02524.3	1230	Square Yards	6-in Cement Concrete Pedestrian Ramps _____ Dollars (\$ _____) Per Square Yard	\$ _____
02524.4	1100	Square Yards	Wire Cut Bricks on 4-in Hot Mix Asphalt Base _____ Dollars (\$ _____) Per Square Yard	\$ _____
02524.5	3740	Linear Feet	Remove and Reset Granite Curb (Straight and Curved) _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02524.6	1445	Linear Feet	Remove and Reset Granite Transition Curb for Pedestrian Ramps (Straight and Curved) _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02524.7	100	Linear Feet	New Granite Curb Type VA3 (Straight and Curved) _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02524.8	30	Linear Feet	New Granite Transition Curb for Pedestrian Ramps (Straight and Curved) _____ Dollars (\$ _____) Per Linear Foot	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
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FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02524.9	100	Square Yards	Cast-In-Place Detectable Tile _____ Dollars (\$ _____) Per Square Yard	\$ _____
02524.10	5	Each	Surface Mounted Bicycle Rack - Concrete _____ Dollars (\$ _____) Per Each	\$ _____
02524.11	5	Each	Surface Mounted Bicycle Rack - Brick _____ Dollars (\$ _____) Per Each	\$ _____
02577.1	4600	Linear Feet	4-in to 8-in Reflectorized Pavement Markings – White/Yellow Thermoplastic _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02577.2	790	Linear Feet	12-in Reflectorized Pavement Markings – White Thermoplastic _____ Dollars (\$ _____) Per Linear Foot	\$ _____
02577.3	3020	Linear Feet	24-in Reflectorized Pavement Markings – White Thermoplastic _____ Dollars (\$ _____) Per Linear Foot	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Item #	Estimated Quantity	Units	Description of the Work and Unit Price Bid Written in Words and Numbers	Amount
02950.1	30	Each	Tree Planting (2 1/2" – 3" Caliper) _____ Dollars (\$ _____) Per Each	\$ _____

Bidder's Name \_\_\_\_\_  
 Central Square/Cambridge Highlands Surface Improvements and  
 Erie Street Sewer Separation  
 Addendum No. 1

FORM FOR GENERAL BID

Total amount of BID based on Engineer's estimate of quantities for Items 01025.1 through 02590.1, inclusive:

\_\_\_\_\_  
(Amount in Words)

\_\_\_\_\_  
(Amount in Figures)

Write the amount of the BID, in words and numbers, in the spaces provided for the Proposed Contract Price on Page 00300-1 of the Form for General Bid.

- F. The undersigned agrees if selected as General Contractor, within ten (10) working days after presentation thereof by the City, the Contractor will:
  - 1. Execute a contract in accordance with the terms of this general bid;
  - 2. Furnish a performance bond and a labor and materials or payment bond;
    - a. of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the City;
    - b. in the sum of one hundred percent of the contract price;
    - c. premiums for each are to be paid by the General Contractor.
  - 3. provide an Insurance certificate specifying the City of Cambridge as **Additional Insured**, complying with the Insurance requirements set forth herein in the General Terms and Conditions of the contract, Article 8.
- G. Bidder understands that the Owner reserves the right to reject any or all bids and to waive any minor informalities in the bidding prices.
- H. Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.
- I. The bidder hereby certifies it shall comply with the minority workforce ratios and specific action contained in the Cambridge Employment Plan, the Cambridge Responsible Employer Plan, the Living Wage Ordinance, the Supplemental Equal Employment Opportunity Program, and the Americans with Disabilities Act,. The contractor receiving the award of the contract shall be required to obtain from each of its subcontractors and submit to the contracting or administering agency prior to the performance of any work under said contract a certification by said subcontractor, regardless of tier, that it will comply with same.
- J. The bidder agrees that this bid shall be good and may not be withdrawn for a period of 90 days after the scheduled closing time for receiving bids.
- K. The bid security attached in the sum of \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_)  
 is to become the property of the Owner in the event the contract and bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Bidder's Name \_\_\_\_\_  
Central Square/Cambridge Highlands  
Surface Improvements and Erie Street Sewer Separation  
Addendum No. 1

FORM FOR GENERAL BID

00300-13

The undersigned certifies that it possesses the skill, ability and integrity necessary for the faithful performance of the work; that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and who, where the provisions of section 8B of chapter 29 apply, shall have been determined to be qualified thereunder; and who obtains within 10 days of the notification of contract award the security by bond required under section 29 of chapter 149; provided that for the purposes of this section the term "security by bond" shall mean the bond of a surety company qualified to do business under the laws of the commonwealth and satisfactory to the awarding authority.

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the "person" shall mean any natural person, joint venture, business, partnership, corporation, or other business or legal entity.

"I certify under the penalties of perjury that I have complied with all of the laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and contractors, and withholding and remitting child support".

The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provision of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

Date \_\_\_\_\_

BY: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Name of General Bidder)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(City and State)

Bidder's Name \_\_\_\_\_

Central Square/Cambridge Highlands  
Surface Improvements and Erie Street Sewer Separation  
Addendum No. 1

FORM FOR GENERAL BID

00300-14

CITY OF CAMBRIDGE, MASSACHUSETTS

**BID BOND**

We, the undersigned \_\_\_\_\_ as Principal, and \_\_\_\_\_, as Surety, are hereby held and firmly bound unto the CITY OF CAMBRIDGE, a municipality in the County of Middlesex and Commonwealth of Massachusetts, in the penal sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), for the payment of which, well and truly to be made. We hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that the Principal has submitted to the City of Cambridge, Massachusetts, a certain Bid attached hereto and hereby made a part hereof for the Project describe as .

If the Principal fails to perform his/her/its agreement to execute a contract and furnish a performance bond and a labor and materials or payment bond as stated in his/her/its bid in accordance with the applicable state statute or fails in all other respects to perform the agreement created by the acceptance of said bid, his/her/its bid deposit shall become and be the property of the City of Cambridge as liquidated damages.

If said Bid shall be rejected because of death, disability, bona fide clerical or mechanical error of a substantial nature, or other similar unforeseen circumstances affecting the Principal, his/her/its bid bond shall be returned to him/her/it.

The Surety, for value received, hereby agrees that its obligations and its bond shall in no way be impaired or affected by an extension of the time in which the City of Cambridge may accept such bid and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and have caused this bond to be signed by their proper officers on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

\_\_\_\_\_  
SEAL

\_\_\_\_\_  
PRINCIPAL

\_\_\_\_\_  
SEAL

\_\_\_\_\_  
SURETY

## MINORITY BUSINESS ENTERPRISE REQUIREMENTS

### GENERAL

On June 30, 1983 the city of Cambridge put into effect a city wide Minority Business Enterprise (MBE) Program. To comply with the requirements of this program, a general contractor must submit the appropriate MBE Forms with its bid. The process is explained below. Failure to meet the requirements may result in automatic disqualification of the bidder. Upon request or upon its own initiative, the City may grant an extension of time for submission of the appropriate MBE Forms. Extensions shall be granted only upon a finding by the City that the bidder's failure to submit the appropriate MBE forms was excusable.

### PROCEDURE

Steps you should take to comply with the City's MBE requirements are as follows:

1. Secure a copy of the State Office for Minority and Women Owned Business Assistance (SOMWBA) Certified Minority/Women Business Directory. Only MBE firms approved by SOMWBA will be accepted by the City of Cambridge. Copies of the directory are available at the City's Purchasing Department.
2. Attempt to develop a bid that includes at least ten percent (10%) of your total bid price in the form of work subcontracted to (or materials purchased from) one or more Minority Businesses.
3. To make the attempt to secure at least 10% Minority business participation, you (the General Contractor) must contact as many of the subcontractors or suppliers in the SOMWBA directory as necessary. Please note that MBE FORM #3 - CONTRACT REQUEST-FOR-EXTENSION and MBE FORM #4 - INFORMATION ON UNSUCCESSFUL MBE CONTACT require you to provide a list of each firm contacted and other related information.
4. If you are successful in securing 10% or more Minority Business participation, you must:
  - A: Complete and submit MBE FORM #1 CONTRACTOR CERTIFICATION OF COMPLIANCE.
  - B: Have your participating Minority Business each fill out MBE FORM #2 - LETTER OF INTENT TO PARTICIPATE, to be submitted with your bid.
5. If, after contacting all SOMWBA-approved firms in the trades or materials categories you should include in your bid, you have not been able to secure 10% Minority business participation, then complete and submit with your bid MBE FORM #3 - CONTRACTOR REQUEST FOR EXTENSION and MBE FORM #4 - INFORMATION ON UNSUCCESSFUL MBE CONTACT.
6. If you have any questions about the above steps, please call Duane Brown, Minority Business Compliance Officer, at (617) 349-4332.

# MINORITY BUSINESS ENTERPRISE PROGRAM

## COMPLIANCE DETAILS

PERCENTAGE OF MBE PARTICIPATION - percentage of MBE participation shall be that percentage of the total bid price represented by the amount to be paid to MBE(s). The General Bidder's compliance with the percentage requirement shall continue to be determined by reference to the above-described method throughout the term of the contract, even though the actual may be greater or less than the bid price. The General Bidder shall submit to the Minority Business Compliance Officer signed copies of its subcontracts with all MBE's involved in meeting the percentage of Minority Business Enterprise Requirement.

ROLE of the MBE REVIEW COMMITTEE - The MBE Review Committee shall have referred to it by the Purchasing Agent and the Minority Business Compliance Officer all questions of interpretation of the MBE Program that arise during the Program's operation. The MBE Review Committee shall have the responsibility and authority to respond with binding answers to these questions. It also has the responsibility and authority to recommend to the City Manager whatever improvements it believes can be made in the program, based on operating experience.

CHANGES OF MBE STATUS - Any change or substitution of the officers or stockholders in a participating MBE company that reduces the minority ownership or control to less than the requisite percentage will immediately rescind the MBE designation previously given by SOMWBA. The General Bidder (Prime Contractor) shall immediately notify the Minority Business Compliance Officer upon learning of such a change in MBE status. In this event, the Prime Contractor shall submit to the Minority Business Compliance Officer a revised Contractor Certification of Compliance with MBE Requirements, showing how the lost MBE participation will be replaced.

## SANCTIONS

- A. If the Prime Contractor does not comply with the terms of the Minority Business Enterprise requirements of the contract, the City may (1) suspend any payment for the activity that should have been performed by the MBE pursuant to the contract, or (2) require specific performance of the Prime Contractor's obligation by requiring the Prime Contractor to sub contract with any MBE for any contract or specialty item at the contract price established for that item in the proposal submitted by the Prime Contractor.
- B. To the extent that the Prime Contractor has not Complied with the MBE requirements of the contract, the City may retain an amount determined by multiplying the bid price of this contract by the required percentage of MBE participation, less the amount of paid to MBEs for work performed under the contract and any payments already suspended under "A" above.
- C. In addition, or as an alternative, to the remedies under "A" and "B" above, the City may suspend, terminate, or cancel this contract, in whole or in part, or may call upon the Prime Contractor's surety to perform all terms and conditions in the contract, unless the Prime Contractor is able to demonstrate its compliance with the MBE requirements, and may

- further deny to the Prime Contractor the right to participate in any future contracts awarded by the City for a period of up to three years.
- D. In any proceeding involving the imposition of sanctions by the City, no sanctions shall be imposed if the City finds that the Prime Contractor has taken every possible measure to comply with MBE requirements, or that some other justifiable reason exists for waiving the MBE requirements in whole or part.
  - E. Any bidder or contractor shall provide such information as is necessary in the judgement of the City to ascertain its compliance with the MBE Requirements.
  - F. No sanctions shall be imposed by the City except in an adjudicatory proceeding under Chapter 30A of the General Laws.
  - G. A Prime Contractor shall have the right to request suspension of any sanctions imposed by the City upon showing that it is once again in compliance with the MBE Requirements.

CONTRACTOR CERTIFICATION OF COMPLIANCE  
Minority Business Enterprise Requirements

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Name & Address of Participating Minority Bus. Enterprises	Name of Participant	Dollar Value Participation
--	---------------------	-------------------------------

The below-signed bidder certifies that it will honor the above Minority Business Enterprise Commitment and that it understands that a breach of this commitment constitutes a breach of the contract.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. GRAND TOTAL FOR MINORITY BUSINESS COMMITMENT

\$ \_\_\_\_\_

8. PERCENTAGE MBE PARTICIPATION (Line 7 divided by total bid price)

% \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
General Contractor

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Business Address

LETTER OF INTENT TO PARTICIPATE  
Minority Business Enterprise Requirements

TO: \_\_\_\_\_  
(Name of General Bidder)

1. My company intends to perform work under the above-identified contract as:

- \_\_\_\_\_ an individual
- \_\_\_\_\_ a partnership
- \_\_\_\_\_ a corporation
- \_\_\_\_\_ a joint venture with \_\_\_\_\_
- \_\_\_\_\_ other (explain) \_\_\_\_\_

2. My company has been certified by the State Office of Minority and Women-Owned Business Assistance (SOMWBA) as a Minority Business Enterprise and is listed as such in the most recently issued SOMWBA Minority/Women Business Directory. I hereby certify that my company's qualification as a Minority Business Enterprise have not changed since its application was submitted to SOMWBA. I further certify that my company will give immediate notification in writing to both SOMWBA and your Company in the event that its minority ownership, control, or management should change.

3. My company understands that if your company is awarded the contract, your company intends to enter into an agreement with my company to perform the activity described below for the prices indicated. My firm also understands that your firm, as General Bidder, will make substitutions and quantity changes only as allowed or required by the provisions of the contract with the City of Cambridge.

Item No.	Description of My Company's Activity	Quantity	Unit Price	Amount

TOTAL AMOUNT \_\_\_\_\_

\*Description of Activity should include notations such as "Labor Only", "Material Only", etc.

\_\_\_\_\_  
Date

\_\_\_\_\_  
MBE Name

\_\_\_\_\_  
MBE Authorized Signature

\_\_\_\_\_  
Business Address

**FORM**  
**3**  
**M.B.E.**

**CONTRACTOR REQUEST FOR EXTENSION**

Minority Business Enterprise Requirements

CONTRACTOR REQUEST-FOR-EXTENSION OF MINORITY BUSINESS ENTERPRISE REQUIREMENTS

The below-signed General Bidder certifies that it made a good faith effort to develop the required \_\_\_\_\_ % Minority Business Enterprise participation in this contract, but was able to develop only \_\_\_\_\_ %.

The below-signed General Bidder further certifies that it contacted the below-listed firms from the SOMWBA MINORITY/WOMEN BUSINESS DIRECTORY available for viewing at the City of Cambridge Purchasing Department with the Bidding Documents; that said contracts were bona fide efforts to develop the required Minority Business Enterprise participation in the above-identified contract but were unsuccessful due to circumstances beyond the control of the General Bidder; and that the information given on the following pages about each contract has made is accurate and complete.

MBE Companies Contacted

- |           |           |
|-----------|-----------|
| 1. _____  | 11. _____ |
| 2. _____  | 12. _____ |
| 3. _____  | 13. _____ |
| 4. _____  | 14. _____ |
| 5. _____  | 15. _____ |
| 6. _____  | 16. _____ |
| 7. _____  | 17. _____ |
| 8. _____  | 18. _____ |
| 9. _____  | 19. _____ |
| 10. _____ | 20. _____ |

The below-signed General Bidder therefore requests that the City of Cambridge grant an extension of ten working days in order to provide the General Bidder and opportunity to secure the required percentage of Minority Business participation.

\_\_\_\_\_  
Date

\_\_\_\_\_  
General Contractor

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Business Address

**FORM**  
**4**  
**M.B.E.**

**INFORMATION ON UNSUCCESSFUL MBE CONTACT**

Minority Business Enterprise Requirements

Additional copies of this information form shall be prepared by the General Bidder in the quantity necessary to comply with bidding requirements.

ITEM NO. ON REQUEST-FOR-EXTENSION \_\_\_\_\_

NAME OF MBE COMPANY CONTACTED \_\_\_\_\_

ADDRESS OF " " \_\_\_\_\_

TELEPHONE NO. " " \_\_\_\_\_

DATE OF INITIAL CONTACT \_\_\_\_\_

HOW WAS CONTACT MADE? (Check appropriate answer) TELEPHONE \_\_\_\_ IN PERSON

SUB-CONTRACT WORK OFFERED TO THIS MBE COMPANY

\_\_\_\_\_  
\_\_\_\_\_

RESULT OF CONTACT (Check appropriate answer) MBE FIRM DECLINED JOB \_\_\_\_\_;

MBE FIRM OFFERED TO DO JOB AT PRICE OF \$ \_\_\_\_\_, WHICH WAS

DETERMINED BY OUR COMPANY TO BE TO HIGH \_\_\_\_\_; MBE COMPANY OFFERED

TO DO THE JOB AT A PRICE OF \$ \_\_\_\_\_, WHICH WAS

SATISFACTORY, BUT THE MBE COMPANY WAS JUDGED BY OUR COMPANY TO BE

UNQUALIFIED FOR THE JOB \_\_\_\_\_.

NAME AND TITLE OF THE MBE COMPANY OFFICER WHO CAN VERIFY ABOVE

INFORMATION AS TO MBE COMPANY'S RESPONSE

\_\_\_\_\_  
\_\_\_\_\_

It is certified herewith by the below-signed officer of the General Bidder that the above information is accurate and complete.

\_\_\_\_\_  
Date

\_\_\_\_\_  
General Contractor

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_

\_\_\_\_\_  
Business Address

**SECTION 00312**

**STATEMENT OF BIDDER'S QUALIFICATIONS**

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information it desires.

1. The names, titles, residences of all persons and parties interested in this Proposal as principals are as follows:

Note: Give the first and last names in full. In the case of corporation, give names of officers and directors; in the case of a partnership, give names of all partners.

IMPORTANT: Be sure residences are listed below.

Name	Title	Home Address
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. When organized.

\_\_\_\_\_

3. If a corporation, where incorporated.

\_\_\_\_\_

4. How many years have you been engaged in the **construction and rehabilitation of sewerage and drainage systems, including the reconstruction of roadways and Architectural Access Board compliant sidewalks** under your present firm or trade name?

\_\_\_\_\_  
\_\_\_\_\_

Bidder's Name: \_\_\_\_\_

5. What projects similar to this one is your organization currently performing? Provide the following information:

Name and Address of Owner for Whom Work is Being Done	Whether Work Being Done as Contractor or Sub-contractor	Description of Work	Approximate Amount of Contract	Approximate Completion Date of Work
---	---	---------------------	--------------------------------	-------------------------------------

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6. What is the general nature of work normally performed by your company?

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7. Has your present organization ever failed to complete any work awarded to it? If so, state when, where, and why.

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8. Has your present organization ever defaulted on a contract? If so, state when, where, and why.

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Bidder's Name: \_\_\_\_\_

9. What project has your present organization completed of character similar to that proposed?  
Provide the following information:

Name and Address of Owner for Whom Work is Being Done	Whether Work Being Done as Contractor or Sub-contractor	Description of Work	Approximate Amount of Contract	Approximate Completion Date of Work
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10. Pre-qualification Requirements

THE CITY OF CAMBRIDGE WILL REJECT ANY BID THAT DOES NOT MEET ALL OF THE FOLLOWING QUALITY REQUIREMENTS. A "NO" RESPONSE OR A FAILURE TO RESPOND WILL RESULT IN A REJECTION OF YOUR BID.

THE BIDDER MAY UTILIZE SUBCONTRACTOR'S QUALIFICATIONS FOR RESPONDING TO QUALITY REQUIREMENTS. HOWEVER, THE BIDDER IS SPECIFICALLY ADVISED THAT ANY PERSON, FIRM OR OTHER PARTY TO WHOM IT PROPOSES TO AWARD A SUBCONTRACT UNDER THE TERMS OF THIS CONTRACT MUST BE ACCEPTABLE TO THE OWNER AND TO THE COMMONWEALTH OF MASSACHUSETTS.

- |    |  |     |    |
|----|--|-----|----|
| 1. | Bidder has worked under contract with the Commonwealth of Massachusetts or City of Cambridge within the past five (5) years to perform bituminous concrete excavation by cold-planing, full depth excavation and placement of roadway pavement meeting the 1988 MHD Standard Specifications. | YES | NO |
| 2. | Bidder has paving equipment with a spreader which is a minimum of ten (10) feet wide, two (2) mechanical and rubber tire rollers weighing a minimum of ten (10) tons each and back up equipment in the event of breakdown.   | YES | NO |
| 3. | Bidder has an emulsion truck equipped with a tachometer pressure gauge, volume measuring devices and a thermometer for reading the temperature of tank contents.   | YES | NO |
| 4. | Bidder has appropriate equipment and tools and competent personnel to perform the work of this contract and will submit employee qualifications if requested by the Office of the City Engineer  | YES | NO |
| 5. | Bidder has a minimum of three (3) years of Municipal experience in thermoplastic pavement markings work.   | YES | NO |

Bidder's Name: \_\_\_\_\_

- |    |   |     |    |
|----|---|-----|----|
| 6. | Bidder has performed sidewalk reconstruction and pedestrian ramps in conformance with the Massachusetts Architectural Access Board regulations. | YES | NO |
| 7. | It is true that the Bidder is currently not in bankruptcy.  | YES | NO |
| 8. | Bidder can provide, upon request, proof of financial solvency.  | YES | NO |

11. Background and experience of the principal member of your organization, including the officers.

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12. Who will be the contractor's on site project manager? State such person's qualifications. Also list names of employees who will be participating in this contract and their qualifications (years of experience, etc.).

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13. Give below the name and address of one or more banks which have information that would enable them to advise regarding the financial ability of your company.

Name of Bank	Address
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14. Federal Identification No.

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15. Name, Signature, and Title of officer preparing this proposal.

Name \_\_\_\_\_

Signature \_\_\_\_\_

Title \_\_\_\_\_

Bidder's Name: \_\_\_\_\_

16. The undersigned hereby authorizes and requests any person, firm or corporation to furnish any information requested by the Cambridge Department of Public Works in verification of the recitals comprising this Statement of Bidder's Qualifications.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_

(Signature)

Tel. No. \_\_\_\_\_

BY \_\_\_\_\_

Title \_\_\_\_\_

State of \_\_\_\_\_)

as:

County of \_\_\_\_\_)

\_\_\_\_\_, being duly sworn,

deposes and says that he is

\_\_\_\_\_ of

\_\_\_\_\_

(Name of Organization)

and that the answers to the foregoing questions and all statements therein contained are true and correct.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_

(Notary Public)

My commission expires \_\_\_\_\_, 20\_\_

Bidder's Name: \_\_\_\_\_

Central Square/Cambridge Highlands STATEMENT OF BIDDER'S QUALIFICATIONS  
Surface Improvements and Erie Street Sewer Separation  
Addendum No. 1

00312-5

General Contractor's Certification

A contractor will not be eligible for award of a contract unless such contractor has submitted the following certification, which is deemed a part of the resulting contract:

**GENERAL CONTRACTOR'S**  
**CERTIFICATION**

\_\_\_\_\_ certifies that:  
(General Contractor)

1. it shall obtain from each of its subcontractors and submit to the contracting or administering agency prior to the performance of any work under said subcontract a certification by each subcontractor, regardless of tier, that it will comply with the minority/women/resident workforce ratio;
2. it read, understands and shall comply with the Minority/Women/Resident hiring requirements set forth in the Cambridge Employment Plan, Cambridge Municipal Code §2.66.060, et seq.;
3. it is aware that failure to comply with the Cambridge Employment Plan will result in, at minimum, the following: 1) it will be ineligible to bid for future contracts with the City of Cambridge and 2) the City of Cambridge will notify DCAM of such failure which may affect the contractor's future qualification to bid for public contracts throughout the commonwealth.
4. it has read, understands and shall comply with all the pertinent provisions of the Americans with Disabilities Act and will be subject to sanctions for failure to do so.
5. it has read, understands and shall comply with all the provisions of the Supplemental Equal Employment Opportunity Anti-Discrimination and Affirmative Action Program and will be subject to sanctions for failure to do so.

Signed under the penalties of perjury:

\_\_\_\_\_  
Signature of authorized representative of contractor

\_\_\_\_\_  
Print name of authorized representative of contractor

Dated: \_\_\_\_\_

SECTION 00314  
SUBCONTRACTOR'S CERTIFICATION

Prior to the award of any subcontract, regardless of tier, the prospective subcontractor must execute and submit to the General Contractor the following certification, which will be deemed a part of the resulting subcontract:

**SUBCONTRACTOR'S CERTIFICATION**

\_\_\_\_\_ (Subcontractor) certifies that:

1. it will obtain from each of its subcontractors prior to the award of any subcontract under this subcontract the subcontractor certification required by these bid conditions;
2. it read, understands and shall comply with the Minority/Women/Resident hiring requirements set forth in Cambridge Municipal Code 2.66.060, et seq.;
3. it is aware that failure to comply with the Cambridge Employment Plan will result in, at minimum, the following: 1) it will be ineligible to bid for future contracts with the City of Cambridge, and 2) the City of Cambridge will notify DCAM of such failure which may affect the contractor's future qualification to bid for public contracts throughout the Commonwealth;
4. it has read, understands and shall comply with all the pertinent provisions of the Americans with Disabilities Act and will be subject to sanctions for failure to do so;
5. it has read, understands and shall comply with all the provisions of the Supplemental Equal Employment Opportunity Anti-Discrimination and Affirmative Action Program and will be subject to sanctions for failure to do so;
6. it intends to use the following listed construction trades in the work under contract.

\_\_\_\_\_  
\_\_\_\_\_

Signed under the penalty of perjury.

\_\_\_\_\_  
Signature of authorized representative of subcontractor

\_\_\_\_\_  
Print name of authorized representative of subcontractor

\_\_\_\_\_  
Dated

In order to ensure that the subcontractor's certification becomes part of all subcontracts under the prime contract, no subcontract shall be executed until an authorized representative of the City agency (or agencies) administering this project or the Affirmative Action Officer has determined, in writing, that the said certification has been incorporated in such subcontract, regardless of tier. Any subcontract executed without such written approval shall be void.



SECTION 00316  
CREP GENERAL CONTRACTOR'S CERTIFICATION FORM

**CAMBRIDGE RESPONSIBLE EMPLOYER PLAN**

GENERAL CONTRACTOR'S CERTIFICATION - BID FORM

\_\_\_\_\_ hereby certifies that it, (Name of General Bidder)  
and all its subcontractors who are not filed sub bidders shall:

- (1) comply with the Cambridge Employment Plan as it currently exists and as it may be, from time to time, amended, and specifically shall comply with the worker hours requirements of §2.66.060(A);
- (2) comply with the obligations established under M.G.L. c.149 and G.L. c30§39M to pay the appropriate lawful prevailing wage rates to its employees;
- (3) maintain or participate in a bona fide apprentice training program as defined by c.23 §§ 11H and 11I for each apprenticeable trade or occupation represented in its workforce that is approved by the Division of Apprentice Training of the Department of Labor and Industries and shall abide by the apprentice to journeymen ratio for each trade prescribed therein in the performance of the contract;
- (4) furnish, at its expense, hospitalization and medical benefits for all its employees employed on the project and/or coverage at least comparable in value to the hospitalization and medical benefits provided by the health and welfare plans in the applicable craft recognized by M.G.L. c.149, §26 and G.L. c30§39M in establishing minimum wage rates;
- (5) maintain appropriate industrial accident insurance coverage for all its employees employed on the project in accordance with M.G.L. c.152;
- (6) properly classify employees as employees rather than independent contractors and treat them accordingly for purposes of workers' compensation insurance, unemployment taxes, social security taxes and income tax withholding; and
- (7) certify under oath and in writing on a weekly basis for the entire duration of its work on the project, that it is in compliance with the above obligations.

Signed under the penalties of perjury. \_\_\_\_\_ (date)

\_\_\_\_\_  
Signature of authorized representative of contractor

\_\_\_\_\_  
Print name of authorized representative of contractor

**THIS CERTIFICATE APPLIES ONLY TO GENERAL BIDS OVER \$100,000 INCLUDING  
ALL ALTERNATES, IF ANY.**

**RETURN THIS FORM WITH YOUR BID**

CREP GENERAL CONTRACTOR  
CERTIFICATION – WEEKLY FORM  
00316-1

**CAMBRIDGE RESPONSIBLE EMPLOYER PLAN**  
**NON-FILED SUB-CONTRACTOR'S CERTIFICATION - BID FORM**

\_\_\_\_\_ hereby certifies that it shall:  
(Name of Sub-Contractor)

(1) comply with the Cambridge Employment Plan as it currently exists and as it may be, from time to time, amended, and specifically shall comply with the worker hours requirements of §2.66.060(A);

(2) comply with the obligations established under M.G.L. c.149 and G.L. c30§39M to pay the appropriate lawful prevailing wage rates to its employees;

(3) maintain or participate in a bona fide apprentice training program as defined by c.23 §§ 11H and 11I for each apprenticable trade or occupation represented in its workforce that is approved by the Division of Apprentice Training of the Department of Labor and Industries and shall abide by the apprentice to journeymen ratio for each trade prescribed therein in the performance of the contract;

(4) furnish, at its expense, hospitalization and medical benefits for all its employees employed on the project and/or coverage at least comparable in value to the hospitalization and medical benefits provided by the health and welfare plans in the applicable craft recognized by M.G.L. c.149, §26 and G.L. c30§39M in establishing minimum wage rates;

(5) maintain appropriate industrial accident insurance coverage for all its employees employed on the project in accordance with M.G.L. c.152;

(6) properly classify employees as employees rather than independent contractors and treat them accordingly for purposes of workers' compensation insurance, unemployment taxes, social security taxes and income tax withholding; and

(7) certify under oath and in writing on a weekly basis for the entire duration of its work on the project, that it is in compliance with the above obligations.

Signed under the penalties of perjury. \_\_\_\_\_(date)

\_\_\_\_\_  
Signature of authorized representative of contractor

\_\_\_\_\_  
Print name of authorized representative of contractor

THIS CERTIFICATE APPLIES ONLY TO SUB-BIDS OVER \$25,000 INCLUDING ALL ALTERNATES, IF ANY.

**RETURN THIS FORM WITH YOUR BID**

**CORI COMPLIANCE FORM**

Persons and businesses supplying goods and/or services to the City of Cambridge (“Vendors”), who are required by law to perform CORI checks, are further required by Section 2.112.060 of the Cambridge Municipal Code to employ fair policies, practices and standards relating to the screening and identification of persons with criminal backgrounds through the CORI system. Such Vendors, when entering into contracts with the City of Cambridge, must affirm that their policies, practices and standards regarding CORI information are consistent with the policies, practices and standards employed by the City of Cambridge as set forth in the City of Cambridge CORI Policy (“CORI Policy”) attached hereto.

CERTIFICATION

The undersigned certifies under penalties of perjury that the Vendor employs CORI related policies, practices and standards that are consistent with the provisions of the attached CORI Policy. **All Vendors must check one of the three lines below.**

1. \_\_\_\_\_ CORI checks are not performed on any Applicants.
2. \_\_\_\_\_ CORI checks are performed on some or all Applicants. The Vendor, by affixing a signature below, affirms under penalties of perjury that its CORI policies, practices and standards are consistent with the policies, practices and standards set forth in the attached CORI Policy.
3. \_\_\_\_\_ CORI checks are performed on some or all Applicants. The Vendor’s CORI policies, practices and standards are not consistent with the attached CORI Policy. Please explain on a separate sheet of paper.

\_\_\_\_\_  
(Typed or printed name of person  
signing quotation, bid or Proposal)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
(Name of Business)

**NOTE:**

**The City Manager, in his sole discretion may grant a waiver to any Vendor on a contract by contract basis.**

**Instructions for Completing CORI Compliance Form:**

**A Vendor should not check Line 1 unless it performs NO CORI checks on ANY applicant. A Vendor who checks Line 2 certifies that the Vendor’s CORI policy conforms to the policies, practices and standards set forth in the City’s CORI Policy. A Vendor with a CORI policy that does NOT conform to the City’s CORI Policy must check Line 3 and explain the reasons for its nonconformance in writing. Vendors, who check Line 3, will not be permitted to enter into contracts with the City, absent a waiver by the City Manager.**

SECTION 00323  
OSHA GENERAL CONTRACTOR CERTIFICATION FORM

**Chapter 306 of the Acts of 2004**  
**An Act Relative to the Health and Safety on Construction Projects**

GENERAL CONTRACTOR'S CERTIFICATION - BID FORM

\_\_\_\_\_ (Name of General Bidder) hereby certifies that it, and all its subcontractors who are not filed sub bidders shall:

- (1) who shall certify that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is a least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee.

Signed under the penalties of perjury. \_\_\_\_\_(date)

\_\_\_\_\_  
Signature of authorized representative of contractor

\_\_\_\_\_  
Print name of authorized representative of contractor

**RETURN THIS FORM WITH YOUR BID**

SECTION 00324  
OSHA SUBCONTRACTOR CERTIFICATION FORM

**Chapter 306 of the Acts of 2004**  
**An Act Relative to the Health and Safety on Construction Projects**

NON-FILED SUBBIDDERS CERTIFICATION - BID FORM

\_\_\_\_\_ (Name of Sub Bidder) hereby certifies that it, and all its subcontractors who are not filed subbidders shall:

- (1) who shall certify that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report each employee.

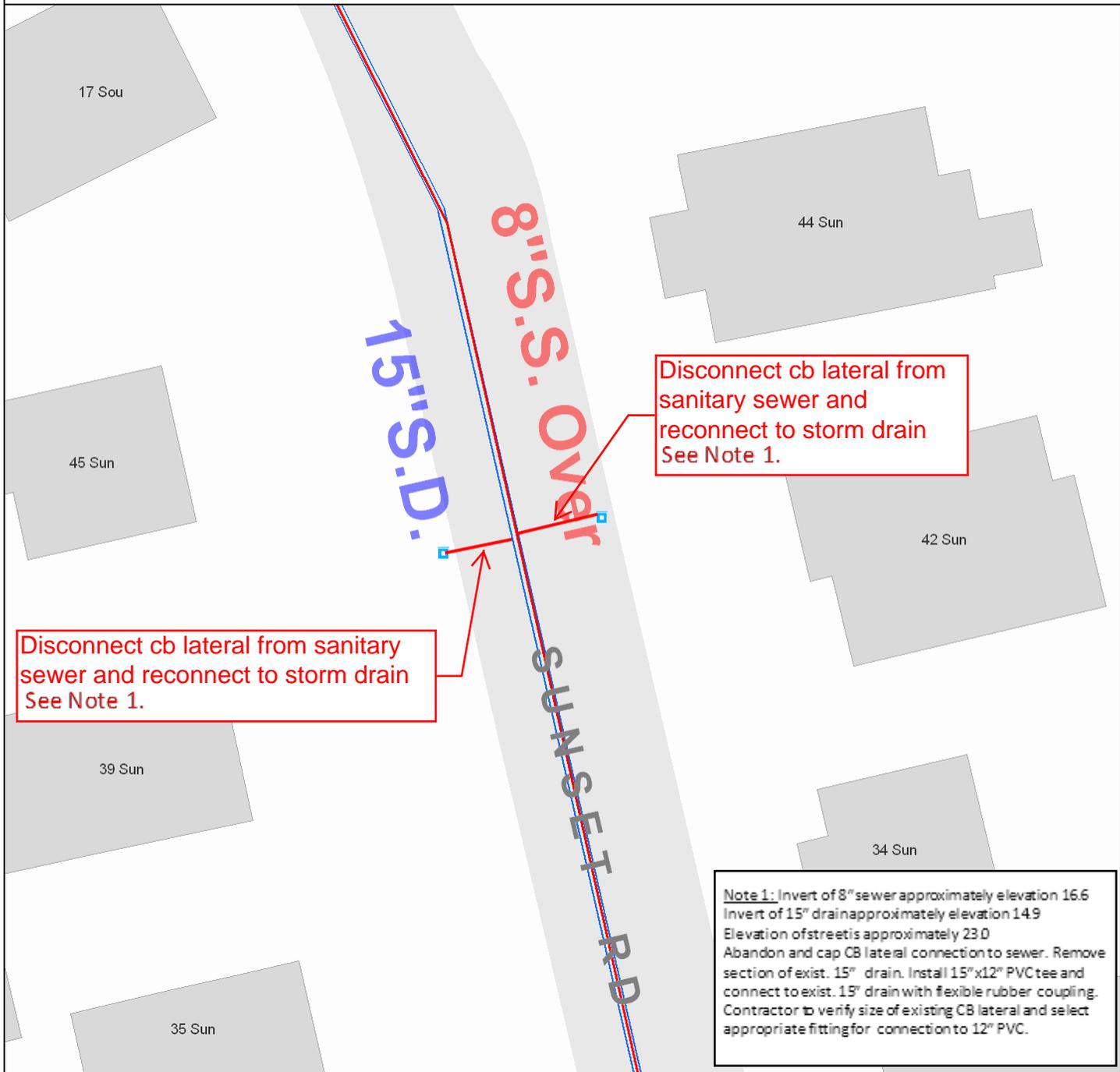
Signed under the penalties of perjury. \_\_\_\_\_ (date)

\_\_\_\_\_  
Signature of authorized representative of contractor

\_\_\_\_\_  
Print name of authorized representative of contractor

**RETURN THIS FORM WITH YOUR BID**

# Catch Basin Reconnection Sheet 1 of 2



**Note 1:** Invert of 8" sewer approximately elevation 16.6  
 Invert of 15" drain approximately elevation 14.9  
 Elevation of street is approximately 23.0  
 Abandon and cap CB lateral connection to sewer. Remove section of exist. 15" drain. Install 15"x12" PVC tee and connect to exist. 15" drain with flexible rubber coupling. Contractor to verify size of existing CB lateral and select appropriate fitting for connection to 12" PVC.



City of Cambridge  
 Massachusetts

All data is provided for graphic representation only. The City of Cambridge expressly disclaims all warranties of any type, expressed or implied, including, but not limited to, any warranty as to the accuracy of the data, merchantability, or fitness for a particular purpose.

- |  |   |
|--|---|
| <p><b>Outfalls</b></p> <ul style="list-style-type: none"> <li>● Stormwater</li> <li>● Combined Sewer Overflow</li> <li>● Abandoned</li> </ul> <p><b>Pumping Structures</b></p> <ul style="list-style-type: none"> <li>■ Pump Station</li> <li>■ Lift Station</li> </ul> <p><b>Manholes</b></p> <ul style="list-style-type: none"> <li>● Stormwater</li> <li>● Sewage</li> <li>● Combined Sewage</li> <li>● Abandoned</li> </ul> <p><b>Lampholes</b></p> <ul style="list-style-type: none"> <li>● Stormwater</li> <li>● Sewage</li> </ul> <p><b>Catchbasins</b></p> <ul style="list-style-type: none"> <li>■ Standard Sump</li> <li>■ Drop Inlet</li> <li>● Area Drain</li> <li>● Drywell</li> <li>■ Oil/Water Separator</li> <li>■ Abandoned</li> <li>— Trench Drains</li> </ul> | <p><b>Service Laterals</b></p> <ul style="list-style-type: none"> <li>— Combined Wastewater, In</li> <li>— Stormwater</li> <li>— Sewage</li> <li>--- Abandoned</li> </ul> <p><b>Force Mains</b></p> <ul style="list-style-type: none"> <li>— Combined Wastewater</li> <li>— Sewage</li> <li>— Storm Runoff</li> </ul> <p><b>MWRA Mains</b></p> <ul style="list-style-type: none"> <li>— Abandoned</li> <li>— In Service</li> </ul> <p><b>Underground Structures</b></p> <ul style="list-style-type: none"> <li>■ Stormwater</li> <li>■ Sewage</li> <li>■ Combined Sewage</li> </ul> |
|--|---|

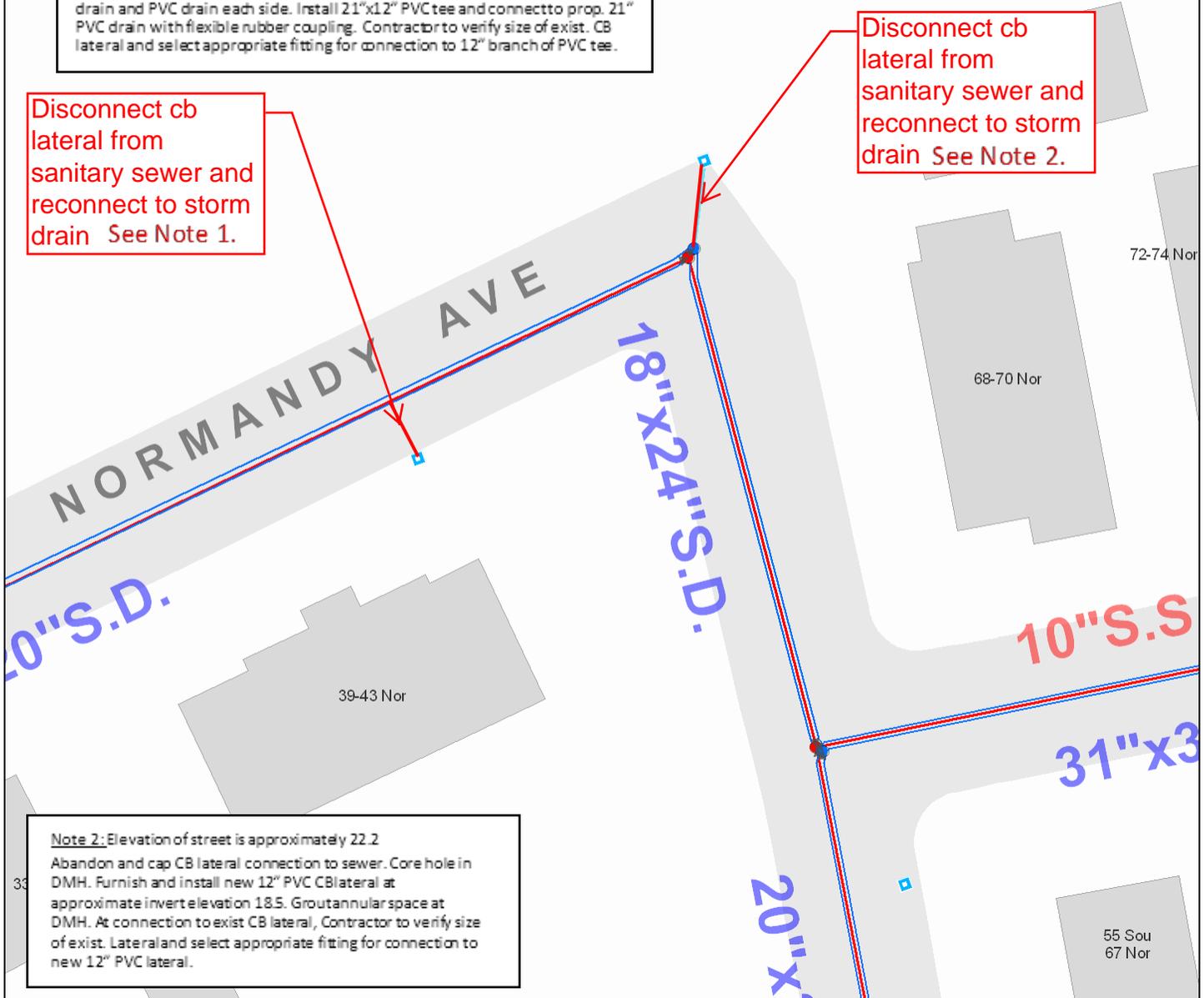
FIGURE CB-1

## Catch Basin Reconnection Sheet 2 of 2

**Note 1:** Invert of exist 8" sewer approximately elevation 15.5  
 Invert of exist. 18" x20" drain approximately elevation 13.2  
 Elevation of street is approximately 22.5  
 Abandon and cap CB lateral connection to sewer. Remove section of exist. 18" x20" drain. About spool pieces of 21" PVC flush against remaining drain each side. Install 5-ft long segmental fiberglass liner to span seam between exist drain and PVC drain each side. Install 21"x12" PVC tee and connect to prop. 21" PVC drain with flexible rubber coupling. Contractor to verify size of exist. CB lateral and select appropriate fitting for connection to 12" branch of PVC tee.

Disconnect cb lateral from sanitary sewer and reconnect to storm drain See Note 1.

Disconnect cb lateral from sanitary sewer and reconnect to storm drain See Note 2.



**Note 2:** Elevation of street is approximately 22.2  
 Abandon and cap CB lateral connection to sewer. Core hole in DMH. Furnish and install new 12" PVC CB lateral at approximate invert elevation 18.5. Grout annular space at DMH. At connection to exist CB lateral, Contractor to verify size of exist. Lateral and select appropriate fitting for connection to new 12" PVC lateral.



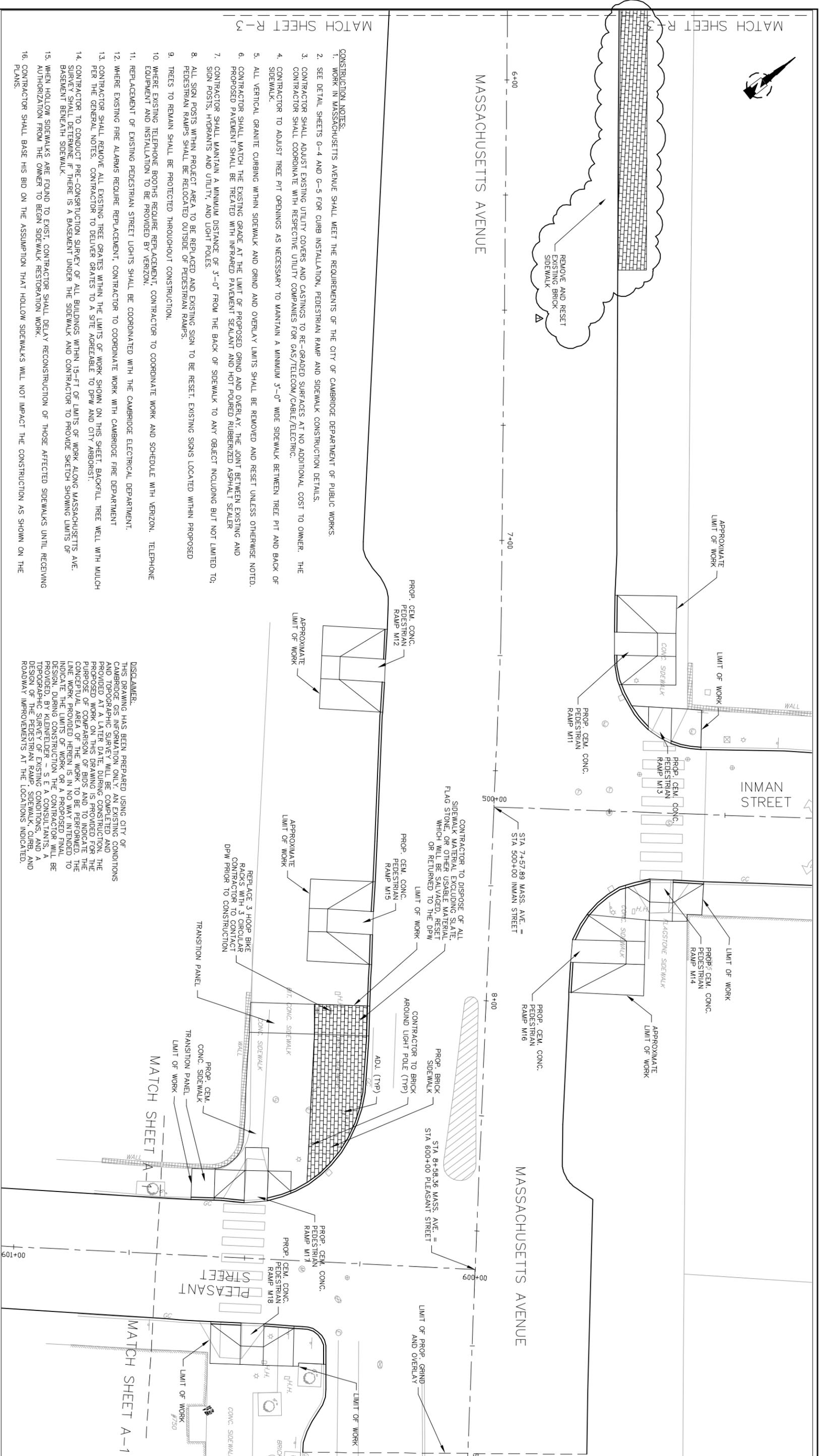
City of Cambridge  
 Massachusetts

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|---|---|
| <p><b>Outfalls</b></p> <ul style="list-style-type: none"> <li>● Stormwater</li> <li>● Combined Sewer Overflow</li> <li>● Abandoned</li> </ul> <p><b>Pumping Structures</b></p> <ul style="list-style-type: none"> <li>■ Pump Station</li> <li>■ Lift Station</li> </ul> <p><b>Manholes</b></p> <ul style="list-style-type: none"> <li>● Stormwater</li> <li>● Sewage</li> <li>● Combined Sewage</li> <li>● Abandoned</li> </ul> <p><b>Lampoles</b></p> <ul style="list-style-type: none"> <li>● Stormwater</li> <li>● Sewage</li> </ul> <p><b>Catchbasins</b></p> <ul style="list-style-type: none"> <li>■ Standard Sump</li> <li>■ Drop Inlet</li> <li>● Area Drain</li> <li>● Drywell</li> <li>■ Oil/Water Separator</li> <li>■ Abandoned</li> <li>— Trench Drains</li> </ul> | <p><b>Service Laterals</b></p> <ul style="list-style-type: none"> <li>— Combined Wastewater, In</li> <li>— Stormwater</li> <li>— Sewage</li> <li>— Abandoned</li> </ul> <p><b>Force Mains</b></p> <ul style="list-style-type: none"> <li>— Combined Wastewater</li> <li>— Sewage</li> <li>— Storm Runoff</li> </ul> <p><b>MWRA Mains</b></p> <ul style="list-style-type: none"> <li>— Abandoned</li> <li>— In Service</li> </ul> <p><b>Underground Structures</b></p> <ul style="list-style-type: none"> <li>■ Stormwater</li> <li>■ Sewage</li> <li>■ Combined Sewage</li> </ul> |
|---|---|

All data is provided for graphic representation only. The City of Cambridge expressly disclaims all warranties of any type, expressed or implied, including, but not limited to, any warranty as to the accuracy of the data, merchantability, or fitness for a particular purpose.

FIGURE CB-2





- CONSTRUCTION NOTES:**
1. WORK IN MASSACHUSETTS AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
  2. SEE DETAIL SHEETS G-4 AND G-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP AND SIDEWALK CONSTRUCTION DETAILS.
  3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
  4. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK.
  5. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK AND GRIND AND OVERLAY LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
  6. CONTRACTOR SHALL MATCH THE EXISTING GRADE AT THE LIMIT OF PROPOSED GRIND AND OVERLAY. THE JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE TREATED WITH INFRARED PAVEMENT SEALANT AND HOT Poured RUBBERIZED ASPHALT SEALER
  7. CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE OF 3'-0" FROM THE BACK OF SIDEWALK TO ANY OBJECT INCLUDING BUT NOT LIMITED TO: SIGN POSTS, HYDRANTS AND UTILITY, AND LIGHT POLES.
  8. ALL SIGN POSTS WITHIN PROJECT AREA TO BE REPLACED AND EXISTING SIGN TO BE RESET. EXISTING SIGNS LOCATED WITHIN PROPOSED PEDESTRIAN RAMPS SHALL BE RELOCATED OUTSIDE OF PEDESTRIAN RAMPS.
  9. TREES TO REMAIN SHALL BE PROTECTED THROUGHOUT CONSTRUCTION.
  10. WHERE EXISTING TELEPHONE BOOTHS REQUIRE REPLACEMENT, CONTRACTOR TO COORDINATE WORK AND SCHEDULE WITH VERIZON. TELEPHONE EQUIPMENT AND INSTALLATION TO BE PROVIDED BY VERIZON.
  11. REPLACEMENT OF EXISTING PEDESTRIAN STREET LIGHTS SHALL BE COORDINATED WITH THE CAMBRIDGE ELECTRICAL DEPARTMENT.
  12. WHERE EXISTING FIRE ALARMS REQUIRE REPLACEMENT, CONTRACTOR TO COORDINATE WORK WITH CAMBRIDGE FIRE DEPARTMENT
  13. CONTRACTOR SHALL REMOVE ALL EXISTING TREE GRATES WITHIN THE LIMITS OF WORK SHOWN ON THIS SHEET. BACKFILL TREE WELL WITH MULCH PER THE GENERAL NOTES. CONTRACTOR TO DELIVER GRATES TO A SITE AGREABLE TO DPW AND CITY ARBORIST.
  14. CONTRACTOR TO CONDUCT PRE-CONSTRUCTION SURVEY OF ALL BUILDINGS WITHIN 15-FT OF LIMITS OF WORK ALONG MASSACHUSETTS AVE. SURVEY SHALL DETERMINE IF THERE IS A BASEMENT UNDER THE SIDEWALK AND CONTRACTOR TO PROVIDE SKETCH SHOWING LIMITS OF BASEMENT BENEATH SIDEWALK.
  15. WHEN HOLLOW SIDEWALKS ARE FOUND TO EXIST, CONTRACTOR SHALL DELAY RECONSTRUCTION OF THOSE AFFECTED SIDEWALKS UNTIL RECEIVING AUTHORIZATION FROM THE OWNER TO BEGIN SIDEWALK RESTORATION WORK.
  16. CONTRACTOR SHALL BASE HIS BID ON THE ASSUMPTION THAT HOLLOW SIDEWALKS WILL NOT IMPACT THE CONSTRUCTION AS SHOWN ON THE PLANS.

**DISCLAIMER:**  
 THIS DRAWING HAS BEEN PREPARED USING CITY OF CAMBRIDGE GIS INFORMATION. ONLY AN EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY WILL BE COMPLETED AND PROVIDED AT A LATER DATE. DURING CONSTRUCTION, THE PROPOSED WORK ON THIS DRAWING IS PROVIDED FOR THE PURPOSE OF COMPARISON OF BIDS AND TO INDICATE THE CONCEPTUAL AREA OF THE WORK TO BE PERFORMED. THE LINE WORK PROVIDED HEREIN IS IN NO WAY INTENDED TO INDICATE THE LIMITS OF WORK OR A PROPOSED FINAL DESIGN. DURING CONSTRUCTION THE CONTRACTOR WILL BE PROVIDED, BY KLEINFELDER - S E A CONSULTANTS, A TOPOGRAPHIC SURVEY OF EXISTING CONDITIONS, AND A DESIGN OF THE PEDESTRIAN RAMP, SIDEWALK, CURB, AND ROADWAY IMPROVEMENTS AT THE LOCATIONS INDICATED.



**ISSUED FOR  
 BID JUNE 2010**

**S E A**  
**SEA CONSULTANTS INC.**  
 Scamini Engineering  
 CONCORD, NEW HAMPSHIRE  
 CAMBRIDGE, MASSACHUSETTS  
 ROCKY HILL, CONNECTICUT  
 FRAMINGHAM, MASSACHUSETTS

**MWH**  
 BOSTON  
 MASSACHUSETTS

Scale	AS NOTED
Date	JUNE 2010
Job No.	2007108134
Designed by	TLMW
Drawn by	TLMW
Checked by	TUJMSFJ
Approved by	JJS
Modifications to limit of brick sidewalk	
Description	
Revisions	

**THE STORM**  
 Cambridge  
 Dept. of Public Works

Client: CITY OF CAMBRIDGE, MA  
 Project: CENTRAL SQUARE/CAMBRIDGE HIGHLANDS SURFACE IMPROVEMENTS AND ERIE STREET SEWER SEPARATION  
 Drawing: MASSACHUSETTS AVENUE-CONSTRUCTION PLAN  
 Sheet: ADD1R-4  
 9 OF 9  
 File No.:

