**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**Region 1**
**5 Post Office Square, Suite 100**
**BOSTON, MA 02109-3912**

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

July 15, 2015

Mr. Todd J. McCabe, Project Executive
Consigli Construction Company
72 Summer Street
Milford, MA 01757

Re: Authorization to discharge under the Remediation General Permit (RGP) – for the Smith Campus Center of Harvard College site located in Cambridge, Massachusetts; Authorization # MAG910689

Dear Mr. McCabe:

Based on the review of a Notice of Intent (NOI) you submitted on behalf of the President and Fellows of Harvard College for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Please note the enclosed checklist includes parameters that were detected in your sampling and that may have exceeded Appendix III limits. Please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on a dilution factor range (DFR). Due to the dilution at the point of discharge of 112, the DFR applicable for this pollutant is equal to the greater than 100 dilution factor category established in the RGP. (See the RGP Appendix IV for Massachusetts facilities).

Therefore, the following limits will apply to the effluent of this treatment system: **chromium (+3) – 1710 ug/l, copper - 520 ug/l, iron - 5,000 ug/l, nickel – 2380 ug/l, silver – 115 ug/l, Total Suspended Solids (TSS) - 30 mg/l and a pH range of 6.5 – 8.3 standard units (s.u.). There is also a monitoring requirement for total chloride.**

This EPA general permit and authorization to discharge will expire on September 9, 2015. You have reported this project will terminate on September 1, 2015. Please be aware you are required to reapply for coverage after the EPA expired permit has been reissued, if your project is extended beyond the permit expiration date. The reissuance date as well as the reapplication submittal date will be posted on the EPA web site at that time. Also, regardless of your project termination date you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within thirty (30) days of the termination of the discharge.

Thank you in advance for your cooperation in this matter. Please contact George Papadopoulos at (617) 918-1579 or Papadopoulos.George@epa.gov, if you have any questions.

Sincerely,

Thelma Murphy

Thelma Murphy, Chief
Storm Water and Construction
Permits Section

Enclosure

cc: Robert Kubit, MassDEP
Sandra Saccone, President and Fellows of Harvard College
Elizabeth J. Christmas, Haley and Aldrich

**2010 Remediation General Permit**
**Summary of Monitoring Parameters[1]**

| | |
|---|---|
| **NPDES Authorization Number:** | **MAG910689** |
| Authorization Issued: | **July 15, 2015** |
| Facility/Site Name: | Smith Campus Center – Harvard College |
| Facility/Site Address: | |
| | Email address of owner: Sandra_saccone@harvard.edu |
| Legal Name of Operator: | Consigli Construction Company |
| Operator contact name, title, and Address: | Todd J. McCabe, Project Executive |
| | Email: |
| Estimated date of The Project Completion: | September 1, 2015 |
| Category and Sub-Category: | Contaminated Construction Dewatering Category– General Urban Fill Sites Subcategory |
| RGP Termination Date: | September 2015 |
| Receiving Water: | Charles River |
| | |

**Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples**

| | **Parameter** | **Effluent Limit/Method#/ML** (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit) |
|---|---|---|
| √ | **1. Total Suspended Solids (TSS)** | **30 milligrams/liter (mg/L) **, Me#160.2/ML5ug/L** |
| | 2. Total Residual Chlorine (TRC) [1] | Freshwater = 11 ug/L ** Saltwater = 7.5 ug/L **/ Me#330.5/ML 20ug/L |
| | 3. Total Petroleum Hydrocarbons (TPH) | 5.0 mg/L/ Me# 1664A/ML 5.0mg/L |
| | 4. Cyanide (CN) [2, 3] | Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/L **/ Me#335.4/ML 10ug/L |
| | 5. Benzene (B) | 5ug/L /50.0 ug/L for hydrostatic testing only/ Me#8260C/ML 2 ug/L |
| | 6. Toluene (T) | (limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L |
| | 7. Ethylbenzene (E) | (limited as ug/L total BTEX) Me#8260C/ ML 2ug/L |
| | 8. (m,p,o) Xylenes (X) | (limited as ug/L total BTEX) Me#8260C/ ML 2ug/L |
| | 9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) [4] | 100 ug/L/ Me#8260C/ ML 2ug/L |

| | Parameter | Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit) |
|---|---|---|
| | 10. Ethylene Dibromide (EDB) (1,2- Dibromoethane) | 0.05 ug/l/ Me#8260C/ ML 10ug/L |
| | 11. Methyl-tert-Butyl Ether (MtBE) | 70.0 ug/l/Me#8260C/ML 10ug/L |
| | 12.tert-Butyl Alcohol (TBA) (TertiaryButanol) | Monitor Only(ug/L)/Me#8260C/ML 10ug/L |
| | 13. tert-Amyl Methyl Ether (TAME) | Monitor Only(ug/L)/Me#8260C/ML 10ug/L |
| | 14. Naphthalene [5] | 20 ug/L /Me#8260C/ML 2ug/L |
| | 15. Carbon Tetrachloride | 4.4 ug/L /Me#8260C/ ML 5ug/L |
| | 16. 1,2 Dichlorobenzene (o-DCB) | 600 ug/L /Me#8260C/ ML 5ug/L |
| | 17. 1,3 Dichlorobenzene (m-DCB) | 320 ug/L /Me#8260C/ ML 5ug/L |
| | 18. 1,4 Dichlorobenzene (p-DCB) | 5.0 ug/L /Me#8260C/ ML 5ug/L |
| | 18a. Total dichlorobenzene | 763 ug/L - NH only /Me#8260C/ ML 5ug/L |
| | 19. 1,1 Dichloroethane (DCA) | 70 ug/L /Me#8260C/ ML 5ug/L |
| | 20. 1,2 Dichloroethane (DCA) | 5.0 ug/L /Me#8260C/ ML 5ug/L |
| | 21. 1,1 Dichloroethene (DCE) | 3.2 ug/L/Me#8260C/ ML 5ug/L |
| | 22. cis-1,2 Dichloroethene (DCE) | 70 ug/L/Me#8260C/ ML 5ug/L |
| | 23. Methylene Chloride | 4.6 ug/L/Me#8260C/ ML 5ug/L |
| | 24. Tetrachloroethene (PCE) | 5.0 ug/L/Me#8260C/ ML 5ug/L |
| | 25. 1,1,1 Trichloro-ethane (TCA) | 200 ug/L/Me#8260C/ ML 5ug/L |
| | 26. 1,1,2 Trichloro-ethane (TCA) | 5.0 ug/L /Me#8260C/ ML 5ug/L |
| | 27. Trichloroethene (TCE) | 5.0 ug/L /Me#8260C/ ML 5ug/L |
| | 28. Vinyl Chloride (Chloroethene) | 2.0 ug/L /Me#8260C/ ML 5ug/L |
| | 29. Acetone | Monitor Only(ug/L)/Me#8260C/ML 50ug/L |
| | 30. 1,4 Dioxane | Monitor Only /Me#1624C/ML 50ug/L |
| | 31. Total Phenols | 300 ug/L Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L |
| | 32. Pentachlorophenol (PCP) | 1.0 ug/L /Me#8270D/ML 5ug/L,Me#604 &625/ML 10ug/L |
| | 33. Total Phthalates (Phthalate esters) [6] | 3.0 ug/L ** /Me#8270D/ML 5ug/L, Me#606/ML 10ug/L& Me#625/ML 5ug/L |
| | 34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate] | 6.0 ug/L /Me#8270D/ML 5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L |
| | 35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH) | 10.0 ug/L |
| | a. Benzo(a) Anthracene [7] | 0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L |

| | Parameter | Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit) |
|---|---|---|
| | b. Benzo(a) Pyrene [7] | 0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L |
| | c. Benzo(b)Fluoranthene [7] | 0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L |
| | d. Benzo(k)Fluoranthene [7] | 0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L |
| | e. Chrysene [7] | 0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L |
| | f. Dibenzo(a,h)anthracene [7] | 0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L |
| | g. Indeno(1,2,3-cd) Pyrene [7] | 0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML5ug/L |
| | 36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH) | 100 ug/L |
| | h. Acenaphthene | X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | i. Acenaphthylene | X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | j. Anthracene | X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | k. Benzo(ghi) Perylene | X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | l. Fluoranthene | X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | m. Fluorene | X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | n. Naphthalene [5] | 20 ug/l / Me#8270/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | o. Phenanthrene | X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | p. Pyrene | X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L |
| | 37. Total Polychlorinated Biphenyls (PCBs) [8, 9] | 0.000064 ug/L/Me# 608/ ML 0.5 ug/L |
| √ | **38. Chloride** | **Monitor only/Me# 300.0/ ML 100 ug/L** |

| | Metal Parameters | Total Recoverable Metal Limit H [10] = 50 mg/l CaCO3, Units = ug/l Freshwater Limits | Minimum level=ML[11] |
|---|---|---|---|
| | 39. Antimony | 5.6 | 10 |
| | 40. Arsenic ** | 10 | 20 |
| | 41. Cadmium ** | 0.2 | 10 |
| √ | **42. Chromium III (trivalent) ** ** | **1710** | **15** |
| | 43. Chromium VI (hexavalent) ** | 11.4 | 10 |
| √ | **44. Copper ** ** | **520** | **15** |
| | 45. Lead ** | 1.3 | 20 |
| | 46. Mercury ** | 0.9 | 02 |
| √ | **47. Nickel ** ** | **2380** | **20** |
| | 48. Selenium ** | 5 | 20 |
| √ | **49. Silver** | **115** | **10** |
| | 50. Zinc ** | 66.6 | 15 |
| √ | **51. Iron** | **5000** | **20** |

| | Other Parameters | Limit |
|---|---|---|
| √ | **52. Instantaneous Flow** | **Site specific in CFS** |
| √ | **53. Total Flow** | **Site specific in CFS** |
| √ | **54. pH Range for Class A & Class B Waters in MA** | **6.5-8.3; 1/Month/Grab[12]** |
| | 55. pH Range for Class SA & Class SB Waters in MA | 6.5-8.5; 1/Month/Grab[12] |
| | 56. pH Range for Class B Waters in NH | 6.5-8; 1/Month/Grab[12] |
| | 57. Daily maximum temperature - Warm water fisheries | 83°F; 1/Month/Grab[13] |
| | 58. Daily maximum temperature - Cold water fisheries | 68°F; 1/Month/Grab[13] |
| | 59. Maximum Change in Temperature in MA - Any Class A water body | 1.5°F; 1/Month/Grab[13] |
| | 60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water | 5°F; 1/Month/Grab[13] |
| | 61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds | 3°F; 1/Month/Grab[13] |
| | 62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal | 1.5°F; 1/Month/Grab[13] |
| | 63. Maximum Change in Temperature in MA – Any Class SB water body - July to September | 1.5°F; 1/Month/Grab[13] |
| | 64. Maximum Change in Temperature in MA –Any Class SB water body - October to June | 4°F; 1/Month/Grab[13] |

Footnotes:

[1] Although the maximum values for TRC are 11 ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).

[2] Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.

[3] Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).

[4] BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.

[5] Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.

[6] The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
*Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.*

[7] Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.

[8] In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

[9]Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).

[10] Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.

[11] Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).

[12] pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.

[13] Temperature sampling per Method 170.1

Haley & Aldrich, Inc.
465 Medford St.
Suite 2200
Boston, MA 02129
617.886.7400

25 June 2015
File No. 41383-001

US Environmental Protection Agency - Region 1
Industrial NPDES Permits (CIP)
5 Post Office Square
Mail Code OEP06-4
Boston, Massachusetts 02109-3912

Attention: Remediation General Permit NOI Processing

Subject: Notice of Intent (NOI) for NPDES Remediation General Permit Temporary Construction Dewatering
Smith Campus Center
1350 Massachusetts Avenue
Cambridge, Massachusetts

Ladies and Gentlemen:

On behalf of our client, the President and Fellows of Harvard College (Harvard College), and in accordance with the National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP) in Massachusetts, MAG910000, this letter submits a Notice of Intent (NOI) and the applicable documentation as required by the US Environmental Protection Agency (EPA) for temporary construction site dewatering under the RGP.

**SITE HISTORY**

According to the City of Cambridge Assessing Department, the site was originally developed by Harvard College in 1873 with the construction of Holyoke House. The Holyoke Center was constructed on the site between 1961 and 1966, and the building has been occupied by retail space, offices, a medical center, and parking. The Holyoke Center was renamed the Richard A. and Susan F. Smith Campus Center in 2013.

**CURRENT SITE CONDITIONS**

The site is currently the location of the Smith Campus Center, occupied by commercial and retail space on the first floor and offices above. A two-level parking garage is located beneath the building. The site consists of the approximately 31,200 square foot footprint of the building. It is bordered by Dunster Street to the west, Holyoke Street to the east, Mount Auburn Street to the south, and Massachusetts Avenue followed by Harvard Yard to the north. The general site location is shown on Figure 1, Site Location Plan.

**PROPOSED ACTIVITY REQUIRING TEMPORARY DEWATERING**

In July 2015, two (2) test pits are proposed to be excavated in the lowest level of the parking garage. The subsurface explorations are being conducted to evaluate the existing foundation configuration. The test pit excavations are expected to take two weeks or less and will require temporary dewatering.

**REGULATORY BACKGROUND**

This site is not currently managed under the Massachusetts Contingency Plan (MCP).

**GROUNDWATER SAMPLING AND ANALYSIS**

In support of the NOI, Haley & Aldrich collected one (1) lab filtered groundwater sample from the sump pit of the existing underdrain system below the parking garage on 16 June 2015. The collected groundwater sample was submitted to Alpha Analytical, Inc. of Westborough, Massachusetts (Alpha Analytical), a MassDEP certified laboratory for analysis, for NPDES permit parameters including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total and dissolved metals, polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), total suspended solids (TSS), total and residual chloride, total and amenable cyanide, and total phenolics.

The analytical results for the groundwater sample indicated that the tested compounds were below the applicable NPDES RGP Category III Effluent Limits and MCP RCGW-2 Reportable Concentrations with the exception of chromium, copper, nickel, selenium, and silver. These compounds were below MCP RCGW-2 Reportable Concentrations, and the dissolved concentrations of chromium, copper, nickel, and silver were below NPDES RGP Category III Effluent Limits. The dissolved concentration of selenium was above NPDES RGP Category III Effluent Limits. The results of water quality testing conducted for this NOI are summarized in Table I. The location of the sump pit is shown on Figure 1.

**MANAGEMENT OF DEWATERING EFFLUENT**

During the test pit excavations in July 2015 and during construction in 2016, it will be necessary to perform temporary dewatering to control groundwater seepage to enable construction in-the-dry. On average, we estimate effluent discharge rates of about 5 to 50 gallons per minute (gpm) or less, with occasional peak flows of approximately 70 gpm during significant precipitation events. Temporary dewatering will be conducted from sumps located in excavations.

As part of the dewatering, an effluent treatment system will be designed by the Contractor to meet NPDES RGP discharge criteria. Prior to discharge, collected water will be routed through a sedimentation tank and a bag filter, at a minimum, to remove suspended solids and undissolved chemical constituents. The Proposed Treatment System Schematic is included as Figure 2. Construction dewatering under this RGP NOI will include piping and discharging to storm drains near the site that are managed by the City of Cambridge. The storm drains travel south/southeast and

ultimately discharge into the Charles River. The proposed discharge routes are shown on Figure 3, Proposed Dewatering Discharge Route.

**DISCHARGE START DATE AND LENGTH OF DISCHARGE**

Test pits are currently anticipated to begin on 6 July 2015 and are estimated to take up to two (2) weeks to complete.

**DILUTION FACTOR APPLICATION FOR METALS**

A Dilution Factor (DF) was calculated for the detected levels of total metals greater than the applicable effluent limits. The DF was calculated using the following equation:

$$DF = (Q_d + Q_s)/Q_d$$

where $Q_d$ is the maximum discharge flow rate, assumed to be 70 gallons per minute (GPM) or approximately 0.16 cubic feet per second (cfs), and $Q_s$ is the receiving water flow rate, minimum for 7 consecutive days with a recurrence interval of 10 years, assumed to be 17.7 cfs based on data collected by the United States Geological Survey (USGS) and published in the "Clean Charles 2005 Water Quality Report, 2003 Core Monitoring Report" prepared by the US EPA Office of Environmental Measurement and Evaluation dated November 2004. Using these assumed values, the DF is equal to 111.6.

Using a DF equal to 111.6 and according to Appendix IV of the Remediation General Permit, the limitation for the calculated dilution factor for selenium is 0.408 mg/L, which would be sufficient to meet the necessary discharge criteria. If testing of the dewatering effluent indicates that the selenium concentration is greater than 0.408 mg/L, then additional pretreatment of the dewatering effluent will be included as necessary to remove dissolved metals as shown on Figure 2.

**APPENDICES**

The completed "Suggested Notice of Intent" (NOI) form as provided in the RGP is enclosed in Appendix A. The site owner is the President and Fellows of Harvard College. The site operator and the construction manager is Consigli Construction Co., Inc. (Consigli). Consigli will hire a subcontractor to conduct the site work, including the dewatering activities. Haley & Aldrich will monitor the Contractor's dewatering activities on behalf of Harvard College. In accordance with the requirements for this NOI submission, Consigli (as the construction manager) is listed as the permittee for this NPDES RGP, and has signed the NOI form.

A Best Management Practices Plan (BMPP), which outlines the proposed discharge operations covered under the RGP, is included in Appendix B. Appendices C and D include Endangered Species Act and National Register of Historic Places Documentation, respectively. Appendix E provides copies of the groundwater testing laboratory data reports for samples obtained by Haley & Aldrich. Appendix F provides the Permit Application to be submitted separately to the City of Cambridge.

**CLOSING**

Thank you very much for your consideration of this NOI. Please feel free to contact us should you wish to discuss the information contained herein or if you need additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

Elizabeth J. Christmas
Staff Engineer

Bryan P. Sweeney, P.E.
Senior Vice President

Attachments:

| | |
|---|---|
| Table I | Summary of Groundwater Quality Data |
| Figure 1 | Site Location Plan |
| Figure 2 | Proposed Treatment System Schematic |
| Figure 3 | Proposed Dewatering Effluent Discharge Route (Parts 1 & 2) |
| Appendix A | Notice of Intent (NOI) for Remediation General Permit (RGP) |
| Appendix B | Best Management Practices Plan (BMPP) |
| Appendix C | Endangered Species Act Documentation |
| Appendix D | National Register of Historic Places and Massachusetts Historical Commission Documentation |
| Appendix E | Laboratory Data Reports |
| Appendix F | Copy of Cambridge Discharge and Dewatering Permit |

c: President and Fellows of Harvard College; Attn: Sandra Saccone
Arcadis: Attn: Peter Gugliotta
Harvard EH&S; Attn: Aaron Townsley
Consigli; Attn: Robert Tess

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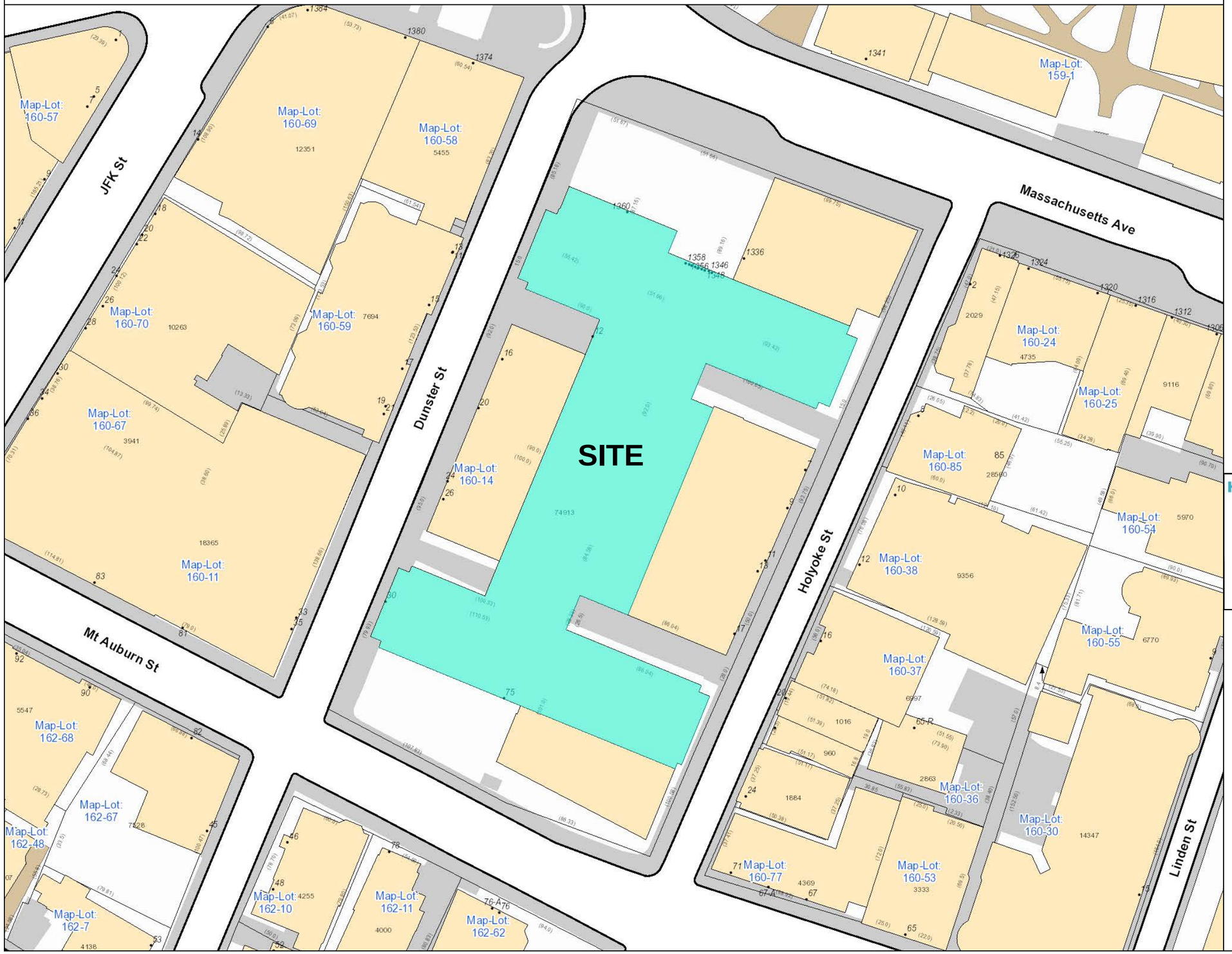
**TABLE I**
SUMMARY OF GROUNDWATER QUALITY DATA
SMITH CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MA
FILE NO. 41383-001

| **LOCATION**<br>**SAMPLING DATE**<br><br>**LAB SAMPLE ID** | **MCP 2014 RCGW-2**<br><br>**Reportable Concentrations (mg/L)** | **NPDES RGP**<br><br>**Category III Freshwater Criteria (mg/L)** | **Massachusetts Dilution**<br><br>**Factor Limitations (mg/L)** | **SUMP-1**<br>**6/16/2015**<br>**L1513528-01 / L1513528-01 R1** |
|---|---|---|---|---|
| **Volatile Organic Compounds (mg/L)** | | | | |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.002 | 0.00005 | NA | ND(0.00001) |
| 1,2-Dibromo-3-chloropropane (DBCP) | 1 | NA | NA | ND(0.00001) |
| 1,4-Dioxane | 6 | Monitor Only | NA | ND(0.003) |
| Total BTEX | NA | 0.1 | NA | ND |
| Total VOCs | NA | NA | NA | ND |
| **Semivolatile Organic Compounds (mg/L)** | | | | |
| Total Group I PAHs | NA | 0.01 | NA | ND |
| Total Group II PAHs | NA | 0.1 | NA | ND |
| Total SVOCs | NA | NA | NA | ND |
| **Semivolatile Organic Compounds - SIM (mg/L)** | | | | |
| Total Group I PAHs | NA | 0.01 | NA | ND |
| Total Group II PAHs | NA | 0.1 | NA | ND |
| Total SVOCs | NA | NA | NA | ND |
| **Total Petroleum Hydrocarbons (mg/L)** | | | | |
| TPH | 5 | 5 | NA | ND(4) |
| **Total Metals (mg/L)** | | | | |
| Antimony | 8 | 0.0056 | 0.141 | 0.0046 |
| Arsenic | 0.9 | 0.01 | 0.54 | 0.001 |
| Cadmium | 0.004 | 0.0002 | 0.02 | **ND(0.0002)** |
| Chromium | 0.3 | 0.0488 | 1.71 | **0.1522** |
| Chromium VI (Hexavalent) | 0.3 | 0.0114 | 1.14 | ND(0.01) |
| Copper | 100 | 0.0052 | 0.52 | **0.0059** |
| Iron | NA | 1 | 5 | 0.81 |
| Lead | 0.01 | 0.0013 | 0.132 | 0.0006 |
| Mercury | 0.02 | 0.0009 | 0.0023 | ND(0.0002) |
| Nickel | 0.2 | 0.029 | 2.38 | **0.1278** |
| Selenium | 0.1 | 0.005 | 0.408 | **0.007** |
| Silver | 0.007 | 0.0012 | 0.115 | **0.0026** |
| Zinc | 0.9 | 0.0666 | 1.48 | ND(0.01) |
| **Dissolved Metals (mg/L)** | | | | |
| Antimony | 8 | 0.0056 | 0.141 | 0.0047 |
| Arsenic | 0.9 | 0.01 | 0.54 | 0.0009 |
| Cadmium | 0.004 | 0.0002 | 0.02 | **ND(0.0002)** |
| Chromium | 0.3 | 0.0488 | 1.71 | 0.0055 |
| Copper | 100 | 0.0052 | 0.52 | 0.0038 |
| Iron | NA | 1 | 5 | ND(0.05) |
| Lead | 0.01 | 0.0013 | 0.132 | ND(0.0005) |
| Mercury | 0.02 | 0.0009 | 0.0023 | ND(0.0002) |
| Nickel | 0.2 | 0.029 | 2.38 | 0.0034 |
| Selenium | 0.1 | 0.005 | 0.408 | **0.006** |
| Silver | 0.007 | 0.0012 | 0.115 | ND(0.0004) |
| Zinc | 0.9 | 0.0666 | 1.48 | ND(0.01) |
| **Polychlorinated Biphenyls (mg/L)** | | | | |
| Total PCBs | 0.005 | 0.000000064 | NA | ND |
| **Other (mg/L)** | | | | |
| Total Suspended Solids (TSS) | NA | 30 | NA | ND(5) |
| Cyanide, Total | 0.03 | 0.0052 | NA | ND(0.005) |
| Cyanide (amenable) | 0.03 | 0.0052 | NA | **ND(0.01)** |
| Cyanide (available) | 0.03 | 0.0052 | NA | ND(0.005) |
| Chloride (total) | NA | Monitor Only | Monitor Only | 1740 |
| Chlorine (residual) | NA | 0.011 | NA | **ND(0.02)** |
| pH | NA | NA | NA | 8.2 |
| Total Phenols | NA | 0.3 | NA | ND(0.03) |

**Notes & Abbreviations**
mg/L: milligrams per liter
ND (1.0): Not detected, value is the reporting limit
NA: not applicable, no standard available
1. **BOLD** values exceed applicable NPDES RGP Criteria at **zero** dilution.
2. Only values detected on the dates indicated are shown.
3. Dilution factor limitations estimated for >100 Dilution Factor Range.




**LEGEND**

- Addresse
- Rail
- Building Footprints
- Parcels

Paved Surfaces

- Paved Roads
- Bridges
- Unpaved Roads
- Unpaved Parking
- Sidewalks
- Driveways
- Alleys
- Other Paved Surface
- Public Footpath

HALEY ALDRICH

SMITH CAMPUS CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

## SITE LOCATION PLAN

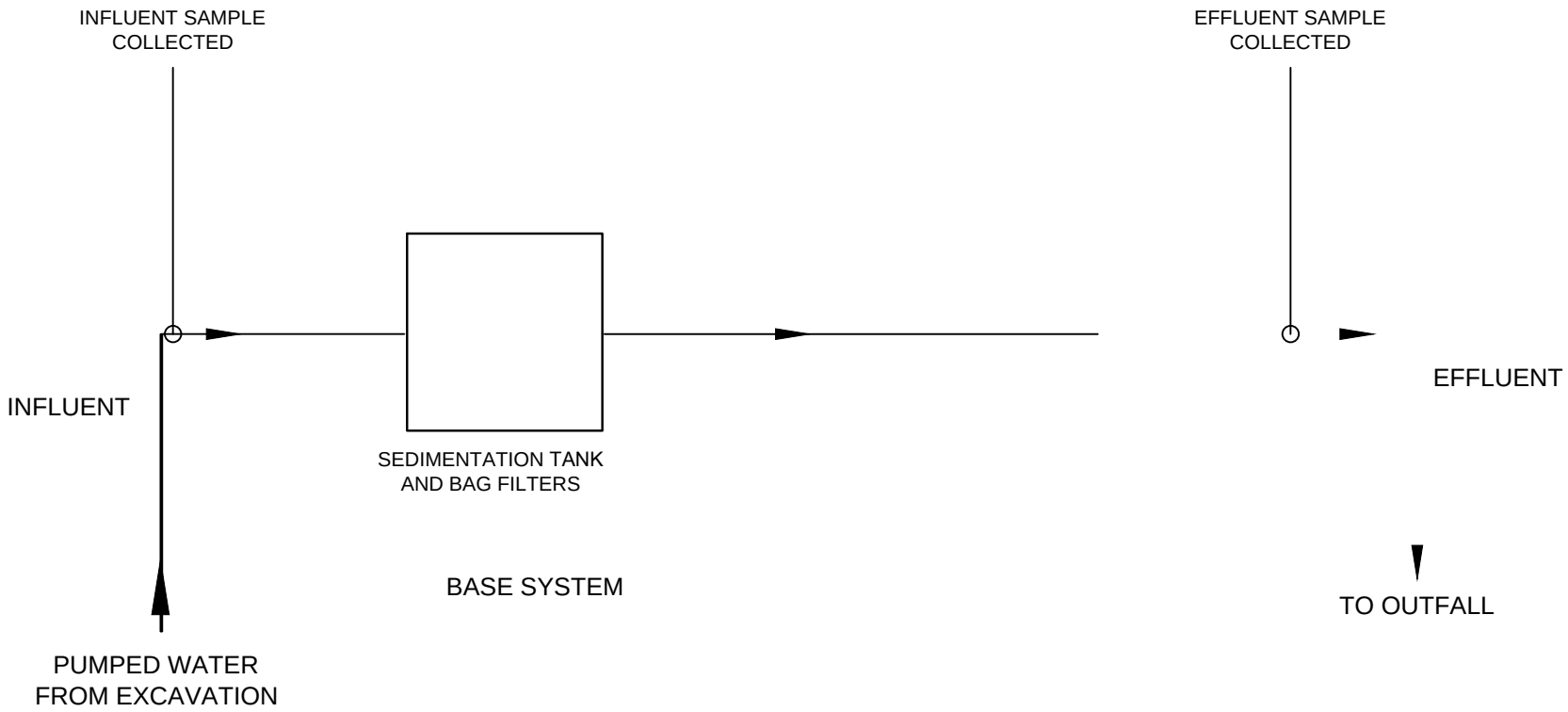
SCALE: AS SHOWN
JUNE 2015

FIGURE 1

City of Cambridge
Massachusetts

1" = 54 ft

ERVIN, DAYNA Printed: November 20, 2014 Layout: A011
Drawing: J:\GRAPHICS\38247\38247-004-A011.DWG




LEGEND:

DIRECTION OF FLOW

NOTE:

1. DETAILS OF TREATMENT SYSTEM MAY VARY FROM SYSTEM INDICATED ABOVE. SPECIFIC MEANS AND METHODS OF TREATMENT TO BE SELECTED BY CONTRACTOR. WATER WILL BE TREATED TO MEET REQUIRED EFFLUENT STANDARDS.

HALEY ALDRICH

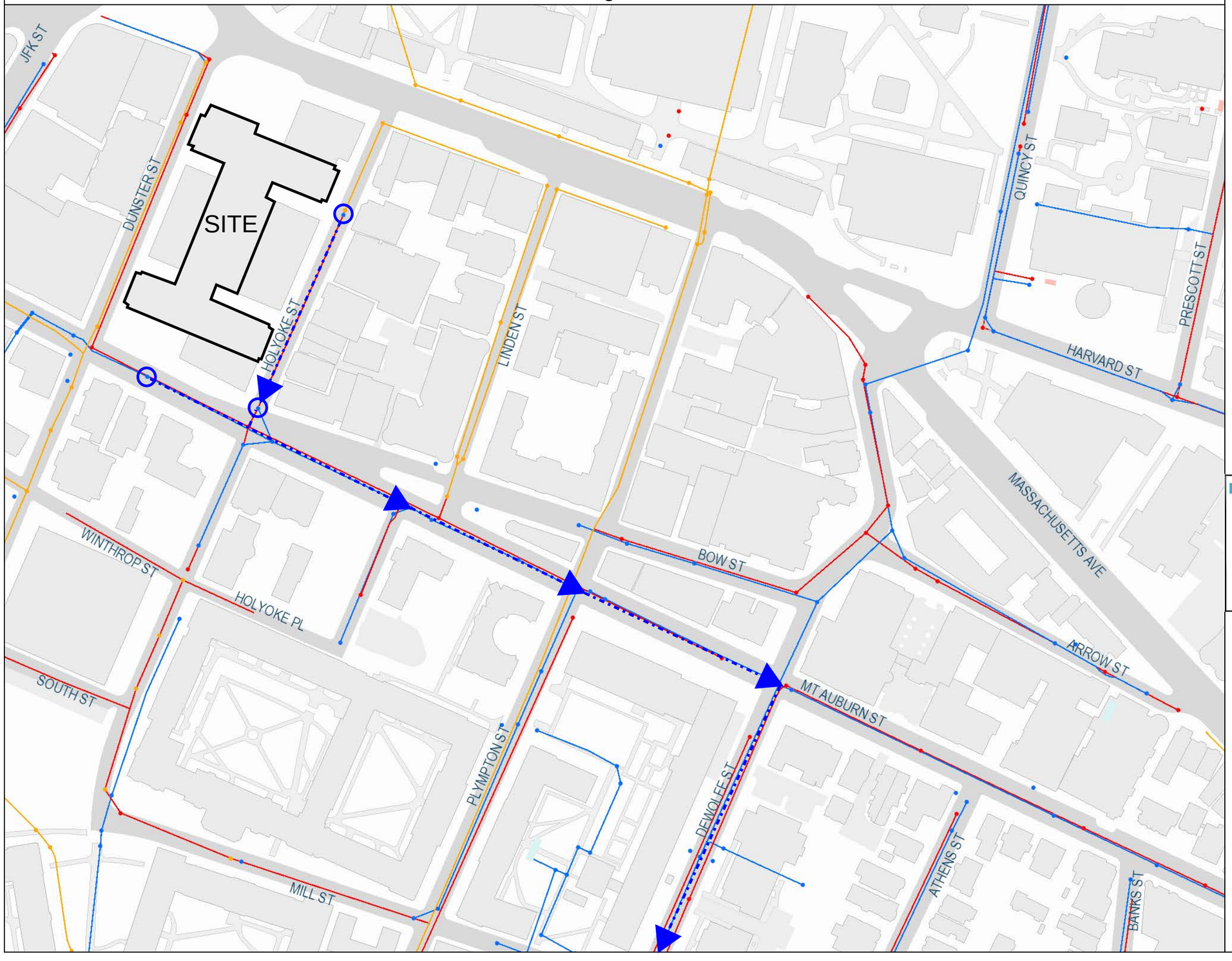
SMITH CAMPUS CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

# PROPOSED TREATMENT SYSTEM SCHEMATIC

SCALE: AS SHOWN
JUNE 2015

FIGURE 2

# Site and Discharge Location: Part 1




## LEGEND

Gravity Mai
- Stormwater
- Sewage
- Combined Sewage
- Abandoned

Zoom Three Paved Surfaces
- Paved Roads
- Other Paved Surface
- Bridges
- Public Footpath

PROPOSED DISCHARGE CONNECTION

PROPOSED DISCHARGE ROUTE - STORMWATER PIPES

HALEY ALDRICH

SMITH CAMPUS CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

PROPOSED DEWATERING EFFLUENT DISCHARGE ROUTE (PART 1)

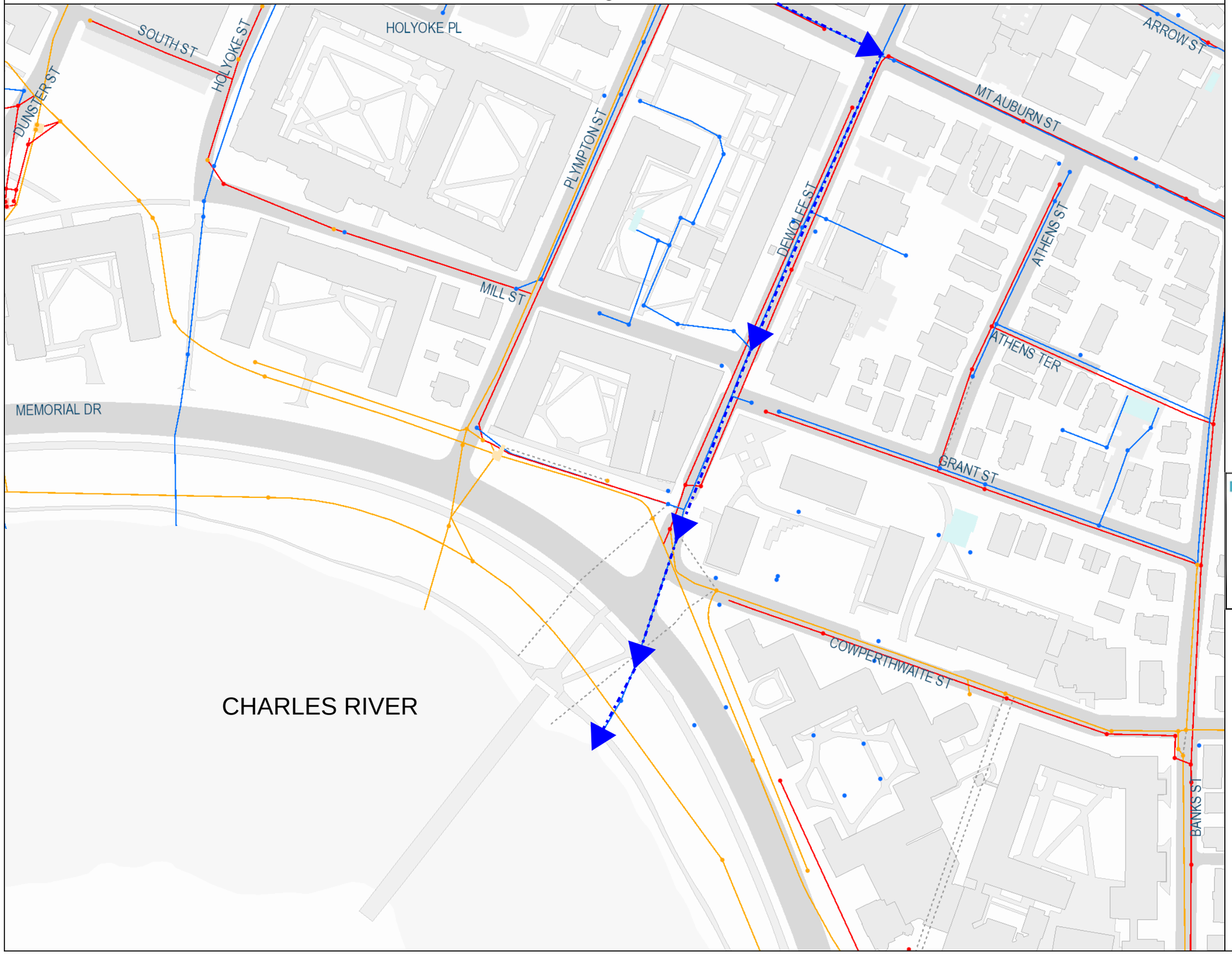
SCALE: AS SHOWN
JUNE 2015

FIGURE 3

City of Cambridge
Massachusetts

1" = 123 ft

# Site and Discharge Location: Part 2




## LEGEND

Gravity Mai
- Stormwater
- Sewage
- Combined Sewage
- Abandoned

Zoom Three Paved Surfaces
- Paved Roads
- Other Paved Surface
- Bridges
- Public Footpath

PROPOSED DISCHARGE CONNECTION

PROPOSED DISCHARGE ROUTE - STORMWATER PIPES

HALEY ALDRICH

SMITH CAMPUS CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

PROPOSED DEWATERING EFFLUENT DISCHARGE ROUTE (PART 2)

SCALE: AS SHOWN
JUNE 2015

FIGURE 3

City of Cambridge
Massachusetts

1" = 123 ft

**APPENDIX A**

**Notice of Intent (NOI) for Remediation General Permit (RGP)**

**B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit**

**1. General facility/site information.** Please provide the following information about the site:

| | | | | |
|---|---|---|---|---|
| a) Name of **facility/site**: Smith Campus Center | | **Facility/site** mailing address: | | |
| Location of **facility/site**:<br>longitude: -71.118856<br>latitude: 42.372710 | Facility SIC code(s): A221 | Street: 1350 Massachusetts Avenue | | |
| b) Name of **facility/site owner:** Sandra Saccone | | Town: Cambridge | | |
| Email address of facility/site owner: sandra_saccone@harvard.edu | | State: MA | Zip: 02138-0000 | County: Middlesex |
| Telephone no. of facility/site **owner**: 617-495-4148 | | | | |
| Fax no. of facility/site **owner**: | | **Owner** is (check one): 1. Federal ○ 2. State/Tribal ○ 3. Private ○ 4. Other ◉ if so, describe: Institution | | |
| Address of **owner** (if different from site): | | | | |
| Street: | | | | |
| Town: | State: | Zip: | County: | |
| c) Legal name of **operator**: Consigli Construction Co | **Operator** telephone no: 508-473-2580 | **Operator** fax no.: | **Operator** email: | |
| **Operator** contact name and title: Robert Tess | | | | |
| Address of **operator** (if different from owner): | Street: 72 Summer Street | | | |
| Town: Milford | State: MA | Zip: 01757 | County: Worcester | |

d) Check Y for "yes" or N for "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Y__ N__, if Y, number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y__ N__, if Y, date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y__ N__
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y__ N__

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y__ N__
If Y, please list:
1. site identification # assigned by the state of NH or MA:
2. permit or license # assigned:
3. state agency contact information: name, location, and telephone number:

f) Is the site/facility covered by any other EPA permit, including:
1. Multi-Sector General Permit? Y__ N__,
if Y, number:
2. Final Dewatering General Permit? Y__ N__,
if Y, number:
3. EPA Construction General Permit? Y__ N__,
if Y, number:
4. Individual NPDES permit? Y__ N__,
if Y, number:
5. any other water quality related individual or general permit? Y__ N__, if Y, number:

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y__ N__

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

| **Activity Category** | **Activity Sub-Category** |
|---|---|
| I - Petroleum Related Site Remediation | A. Gasoline Only Sites ☐<br>B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐<br>C. Petroleum Sites with Additional Contamination ☐ |
| II - Non Petroleum Site Remediation | A. Volatile Organic Compound (VOC) Only Sites ☐<br>B. VOC Sites with Additional Contamination ☐<br>C. Primarily Heavy Metal Sites ☐ |
| III - Contaminated Construction Dewatering | A. General Urban Fill Sites ☒<br>B. Known Contaminated Sites ☐ |

| | |
|---|---|
| IV - Miscellaneous Related Discharges | A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐<br>B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐<br>C. Hydrostatic Testing of Pipelines and Tanks ☐<br>D. Long-Term Remediation of Contaminated Sumps and Dikes ☐<br>E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ☐ |

**2. Discharge information**. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

Temporary construction dewatering during test pit exploration.

b) Provide the following information about each discharge:

1) Number of discharge points: Up to 4

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, $ft^3/s$)?
Max. flow: 0.67 Is maximum flow a **design value**? Y ○ N ◉
Average flow (include units) 0.33 cfs Is average flow a design value or estimate? estimate

3) Latitude and longitude of each discharge within 100 feet:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| pt.1: lat. | 42.372725 | long. | -71.118152 | pt.2: lat. | 42.372062 | long. | -71.118580 ; |
| pt.3: lat. | 42.372742 | long. | -71.118075 | pt.4: lat. | 42.372209 | long. | -71.119073 ; |
| pt.5: lat. | | long. | | pt.6: lat. | | long. | ; |
| pt.7: lat. | | long. | | pt.8: lat. | | long. | ; etc. |

4) If hydrostatic testing, total volume of the discharge (gals): N/A

5) Is the discharge intermittent ◉ or seasonal ○ ?
Is discharge ongoing? Y ○ N ◉

c) Expected dates of discharge (mm/dd/yy): start 7/13/2015 end 1/31/2017

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s). See Figures 1, 2, and 3

**3. Contaminant information.**

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

| Parameter * | CAS Number | Believed Absent | Believed Present | # of Samples | Sample Type (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Average daily value | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| 1. Total Suspended Solids (TSS) | | ☒ | ☐ | 1 | grab | 30,2540D | 5000 | ND | | ND | |
| 2. Total Residual Chlorine (TRC) | | ☒ | ☐ | 1 | grab | 30,4500CL-D | 20 | ND | | ND | |
| 3. Total Petroleum Hydrocarbons (TPH) | | ☒ | ☐ | 1 | grab | 74,1664A | 4000 | ND | | ND | |
| 4. Cyanide (CN) | 57125 | ☒ | ☐ | 1 | grab | 30,4500CN-CE | 5 | ND | | ND | |
| 5. Benzene (B) | 71432 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |
| 6. Toluene (T) | 108883 | ☒ | ☐ | 1 | grab | 1,8260C | 0.75 | ND | | ND | |
| 7. Ethylbenzene (E) | 100414 | ☒ | ☐ | 1 | grab | 1,8260C | 0.50 | ND | | ND | |
| 8. (m,p,o) Xylenes (X) | 108883; 106423; 95476; 1330207 | ☒ | ☐ | 1 | grab | 1,8260C | 1.0 | ND | | ND | |
| 9. Total BTEX [2] | n/a | ☒ | ☐ | 1 | grab | 1,8260C | NA | ND | | ND | |
| 10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3] | 106934 | ☒ | ☐ | 1 | grab | 14,504.1 | 2 | ND | | ND | |
| 11. Methyl-tert-Butyl Ether (MtBE) | 1634044 | ☒ | ☐ | 1 | grab | 1,8260C | 1 | ND | | ND | |
| 12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol) | 75650 | ☒ | ☐ | 1 | grab | 1,8260C | 1 | ND | | ND | |

***** Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

[2] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

[3] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

| Parameter * | CAS Number | Believed Absent | Believed Present | # of Samples | Sample Type (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Average daily value | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| 13. tert-Amyl Methyl Ether (TAME) | 9940508 | ☒ | ☐ | 1 | grab | 1,8260C | 1 | ND | | ND | |
| 14. Naphthalene | 91203 | ☒ | ☐ | 1 | grab | 1,8260C | 2.0 | ND | | ND | |
| 15. Carbon Tetrachloride | 56235 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |
| 16. 1,2 Dichlorobenzene (o-DCB) | 95501 | ☒ | ☐ | 1 | grab | 1,8260C | 2.5 | ND | | ND | |
| 17. 1,3 Dichlorobenzene (m-DCB) | 541731 | ☒ | ☐ | 1 | grab | 1,8260C | 2.5 | ND | | ND | |
| 18. 1,4 Dichlorobenzene (p-DCB) | 106467 | ☒ | ☐ | 1 | grab | 1,8260C | 2.5 | ND | | ND | |
| 18a. Total dichlorobenzene | | ☒ | ☐ | 1 | grab | 1,8260C | NA | ND | | ND | |
| 19. 1,1 Dichloroethane (DCA) | 75343 | ☒ | ☐ | 1 | grab | 1,8260C | 0.75 | ND | | ND | |
| 20. 1,2 Dichloroethane (DCA) | 107062 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |
| 21. 1,1 Dichloroethene (DCE) | 75354 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |
| 22. cis-1,2 Dichloroethene (DCE) | 156592 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |
| 23. Methylene Chloride | 75092 | ☒ | ☐ | 1 | grab | 1,8260C | 3 | ND | | ND | |
| 24. Tetrachloroethene (PCE) | 127184 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |
| 25. 1,1,1 Trichloro-ethane (TCA) | 71556 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |
| 26. 1,1,2 Trichloro-ethane (TCA) | 79005 | ☒ | ☐ | 1 | grab | 1,8260C | 0.75 | ND | | ND | |
| 27. Trichloroethene (TCE) | 79016 | ☒ | ☐ | 1 | grab | 1,8260C | 0.5 | ND | | ND | |

| Parameter * | CAS Number | Believed Absent | Believed Present | # of Samples | Sample Type (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Average daily value | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| 28. Vinyl Chloride (Chloroethene) | 75014 | ☒ | ☐ | 1 | grab | 1,8260C | 1 | ND | | ND | |
| 29. Acetone | 67641 | ☒ | ☐ | 1 | grab | 1,8260C | 5 | ND | | ND | |
| 30. 1,4 Dioxane | 123911 | ☒ | ☐ | 1 | grab | 1,8260C-SIM(M) | 3 | ND | | ND | |
| 31. Total Phenols | 108952 | ☒ | ☐ | 1 | grab | 4,420.1 | 30 | ND | | ND | |
| 32. Pentachlorophenol (PCP) | 87865 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.8 | ND | | ND | |
| 33. Total Phthalates (Phthalate esters) [4] | | ☒ | ☐ | 1 | grab | 1,8260D | NA | ND | | ND | |
| 34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate] | 117817 | ☒ | ☐ | 1 | grab | 1,8260D | 3 | ND | | ND | |
| 35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH) | | ☒ | ☐ | 1 | grab | NA | NA | ND | | ND | |
| a. Benzo(a) Anthracene | 56553 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| b. Benzo(a) Pyrene | 50328 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| c. Benzo(b)Fluoranthene | 205992 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| d. Benzo(k)Fluoranthene | 207089 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| e. Chrysene | 21801 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| f. Dibenzo(a,h)anthracene | 53703 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| g. Indeno(1,2,3-cd) Pyrene | 193395 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| 36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH) | | ☒ | ☐ | 1 | grab | NA | NA | ND | | ND | |

[4] The sum of individual phthalate compounds.

| Parameter * | CAS Number | Believed Absent | Believed Present | # of Samples | Sample Type (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Average daily value | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| h. Acenaphthene | 83329 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| i. Acenaphthylene | 208968 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| j. Anthracene | 120127 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| k. Benzo(ghi) Perylene | 191242 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| l. Fluoranthene | 206440 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| m. Fluorene | 86737 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| n. Naphthalene | 91203 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| o. Phenanthrene | 85018 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| p. Pyrene | 129000 | ☒ | ☐ | 1 | grab | 1,8720D-SIM | 0.2 | ND | | ND | |
| 37. Total Polychlorinated Biphenyls (PCBs) | 85687; 84742; 117840; 84662; 131113; 117817. | ☒ | ☐ | 1 | grab | 5,608 | 0.250 | ND | | ND | |
| 38. Chloride | 16887006 | ☐ | ☒ | 1 | grab | 44,300.0 | 25000 | 1740000 | | 1740000 | |
| 39. Antimony | 7440360 | ☐ | ☒ | 1 | grab | 1,6020A | 3 | 4.7 | | 4.7 | |
| 40. Arsenic | 7440382 | ☐ | ☒ | 1 | grab | 1,6020A | 0.5 | 0.9 | | 0.9 | |
| 41. Cadmium | 7440439 | ☒ | ☐ | 1 | grab | 1,6020A | 0.2 | ND | | ND | |
| 42. Chromium III (trivalent) | 16065831 | ☐ | ☒ | 1 | grab | 1,6020A | 1.0 | 5.5 | | 5.5 | |
| 43. Chromium VI (hexavalent) | 18540299 | ☒ | ☐ | 1 | grab | 119,3500CR-[ | 10 | ND | | ND | |
| 44. Copper | 7440508 | ☐ | ☒ | 1 | grab | 1,6020A | 1.0 | 3.8 | | 3.8 | |
| 45. Lead | 7439921 | ☒ | ☐ | 1 | grab | 1,6020A | 0.5 | ND | | ND | |
| 46. Mercury | 7439976 | ☒ | ☐ | 1 | grab | 3,245.1 | 0.2 | ND | | ND | |
| 47. Nickel | 7440020 | ☐ | ☒ | 1 | grab | 1,6020A | 1.0 | 3.4 | | 3.4 | |
| 48. Selenium | 7782492 | ☐ | ☒ | 1 | grab | 1,6020A | 5 | 6.0 | | 6.0 | |
| 49. Silver | 7440224 | ☒ | ☐ | 1 | grab | 1,6020A | 0.4 | ND | | ND | |
| 50. Zinc | 7440666 | ☒ | ☐ | 1 | grab | 1,6020A | 10 | ND | | ND | |
| 51. Iron | 7439896 | ☒ | ☐ | 1 | grab | 19,200.7 | 50 | ND | | ND | |
| Other (describe): | | ☐ | ☐ | | | | | | | | |

| Parameter * | CAS Number | Believed Absent | Believed Present | # of Samples | Sample Type (e.g., grab) | Analytical Method Used (method #) | Minimum Level (ML) of Test Method | Maximum daily value | | Average daily value | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | concentration (ug/l) | mass (kg) | concentration (ug/l) | mass (kg) |
| Chloroform | 67-66-3 | ☒ | ☐ | 1 | grab | 1,8260C | 0.75 | ND | | ND | |
| | | ☐ | ☐ | | | | | | | | |

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

| | |
|---|---|
| *Step 1:* Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y◉ N○ | If yes, which metals?<br>Selenium |
| *Step 2:* For any metals which exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals?<br>Metal: Selenium DF: 27.4<br>Metal: DF:<br>Metal: DF:<br>Metal: DF:<br>Etc. | Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)?<br>Y○ N◉ If Y, list which metals: |

**4. Treatment system information.** Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

See attached Figure 2.

| | | | | | | |
|---|---|---|---|---|---|---|
| b) Identify each applicable treatment unit (check all that apply): | Frac. tank ☒ | Air stripper ☐ | Oil/water separator ☐ | Equalization tanks ☐ | Bag filter ☒ | GAC filter ☐ |
| | Chlorination ☐ | De-chlorination ☐ | Other (please describe): | Additional pretreatment as necessary to meet NPDES RGP Discharge Criteria. | | |

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system:
Average flow rate of discharge 100-150 gpm Maximum flow rate of treatment system 300 gpm
Design flow rate of treatment system NA gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

N/A

**5. Receiving surface water(s).** Please provide information about the receiving water(s), using separate sheets as necessary:

| a) Identify the discharge pathway: | Direct to receiving water ☐ | Within facility (sewer) ☐ | Storm drain ☒ | Wetlands ☐ | Other (describe): |
|---|---|---|---|---|---|

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

Effluent will be discharged to storm drains at or near the Site that ultimately discharge to Charles River. Refer to attached Figure 3 for proposed discharge routes.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water B

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 17.7 cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y ◉ N ○ If yes, for which pollutant(s)?

Is there a final TMDL? Y ○ N ◉ If yes, for which pollutant(s)?

**6. ESA and NHPA Eligibility.**

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?

A ◉ B ○ C ○ D ○ E ○ F ○

b) If you selected Criterion D or F, has consultation with the federal services been completed? Y ○ N ○ Underway ○

c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received? Y ◉ N ○

d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.

e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?

1 ○ 2 ◉ 3 ○

f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

**7. Supplemental information.**

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

Laboratory Data is provided in Appendix E.

**8. Signature Requirements:** The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

| | |
|---|---|
| Facility/Site Name: | 1350 Massachusetts Avenue, Cambridge MA |
| Operator signature: | |
| Printed Name &Title: | TODD J. McCABE, PROJECT EXECUTIVE |
| Date: | June 24, 2015 |

Consent

**APPENDIX B**

**Best Management Practices Plan (BMPP)**

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**
**REMEDIATION GENERAL PERMIT**
**TEMPORARY CONSTRUCTION DEWATERING**
**SMITH CAMPUS CENTER**
**1350 MASSACHUSETTS AVENUE**
**CAMBRIDGE, MASSACHUSETTS**

## Best Management Practices Plan

A Notice of Intent for a Remediation General Permit (RGP) under the National Pollutant Discharge Elimination System (NPDES) has been submitted to the US Environmental Protection Agency (EPA) in anticipation of temporary construction dewatering planned to occur during the proposed subsurface exploration program at Holyoke Center located 1350 Massachusetts Avenue in Cambridge, Massachusetts. This Best Management Practices Plan (BMPP) has been prepared as an Appendix to the RGP and will be posted at the site during the time period that temporary construction dewatering is occurring at the site.

## Water Treatment and Management

Construction dewatering will be conducted using sumps located inside the excavation. The treatment system will be designed by the Contractor. Prior to discharge, collected water will likely be routed through a sedimentation tank and bag filters, as required, to remove suspended solids and undissolved chemical constituents. Proposed Treatment System Schematic is shown on Figure 2. Construction dewatering under this RGP NOI will include piping and discharging to storm drains located in Holyoke Street and Mount Auburn Street. The storm drains travel short distance south/southeast before discharging to the Charles River.

## Discharge Monitoring and Compliance

Regular sampling and testing will be conducted by the Contractor at the treated effluent as required by the RGP. This includes chemical testing required within the first month of discharging, and the monthly testing to be conducted through the end of the scheduled discharge.

Monitoring will include checking the condition of the treatment system, assessing the need for treatment system adjustments based on monitoring data, observing and recording daily flow rates and discharge quantities, and verifying the flow path of the discharged effluent.

The total monthly flow will be monitored by checking and documenting the flow through the flow meter to be installed on the system. Flow will be maintained below the “system design flow” by regularly monitoring flow and adjusting the amount of construction dewatering as needed.

Monthly monitoring reports will be compiled and maintained at the site.

## System Maintenance

A number of methods will be used to minimize the potential for violations for the term of this permit. Scheduled regular maintenance of the treatment system will be conducted to verify proper operation. Regular maintenance will include checking the condition of the treatment system equipment such as the fractionization tanks, filters, hoses, pumps, and flow meters. Equipment will be monitored daily for potential issues or unscheduled maintenance requirements.

Employees who have direct or indirect responsibility for ensuring compliance with the RGP will be trained by the Operator.

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**
**REMEDIATION GENERAL PERMIT**
**TEMPORARY CONSTRUCTION DEWATERING**
**HOLYOKE CENTER**
**1350 MASSACHUSETTS AVENUE**
**CAMBRIDGE, MASSACHUSETTS**

**Miscellaneous Items**

It is anticipated that the excavation support system, erosion control measures, and the nature of the site and surrounding infrastructure will minimize potential runoff to or from the site. The project specifications also include requirements for erosion control.

Site security for the treatment system will be covered within the overall site security plan.

No adverse affects of designated water uses of surrounding surface water bodies is anticipated. The Charles River is the nearest surface water body to the site located adjacent to the construction activities on site. Dewatering effluent will be pumped to a sedimentation tank, bag filters, and any other treatment components (as required), prior to discharge to the storm drains.

**Management of Treatment System Materials**

Groundwater analytical data for the site is below the applicable MCP RCGW-2 criteria. Dewatering effluent will be pumped directly to the treatment system from the excavation with use of hoses and sumps to minimize handling. The contractor will establish staging areas on the site for any equipment or materials storage which may be possible sources of pollution away from any dewatering activities.

Sediment from the fractionalization tank used in the treatment system will be characterized and disposed of as soil at an appropriate receiving facility in accordance with applicable laws and regulations. Bag filters will be placed in drums and manifested for off-site disposal.

# APPENDIX C

## Endangered Species Act Documentation

# United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

January 7, 2014

To Whom It May Concern:

This project was reviewed for the presence of federally listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

*http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm*

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Maria Tur of this office at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

# MassDEP - Bureau of Waste Site Cleanup

## Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

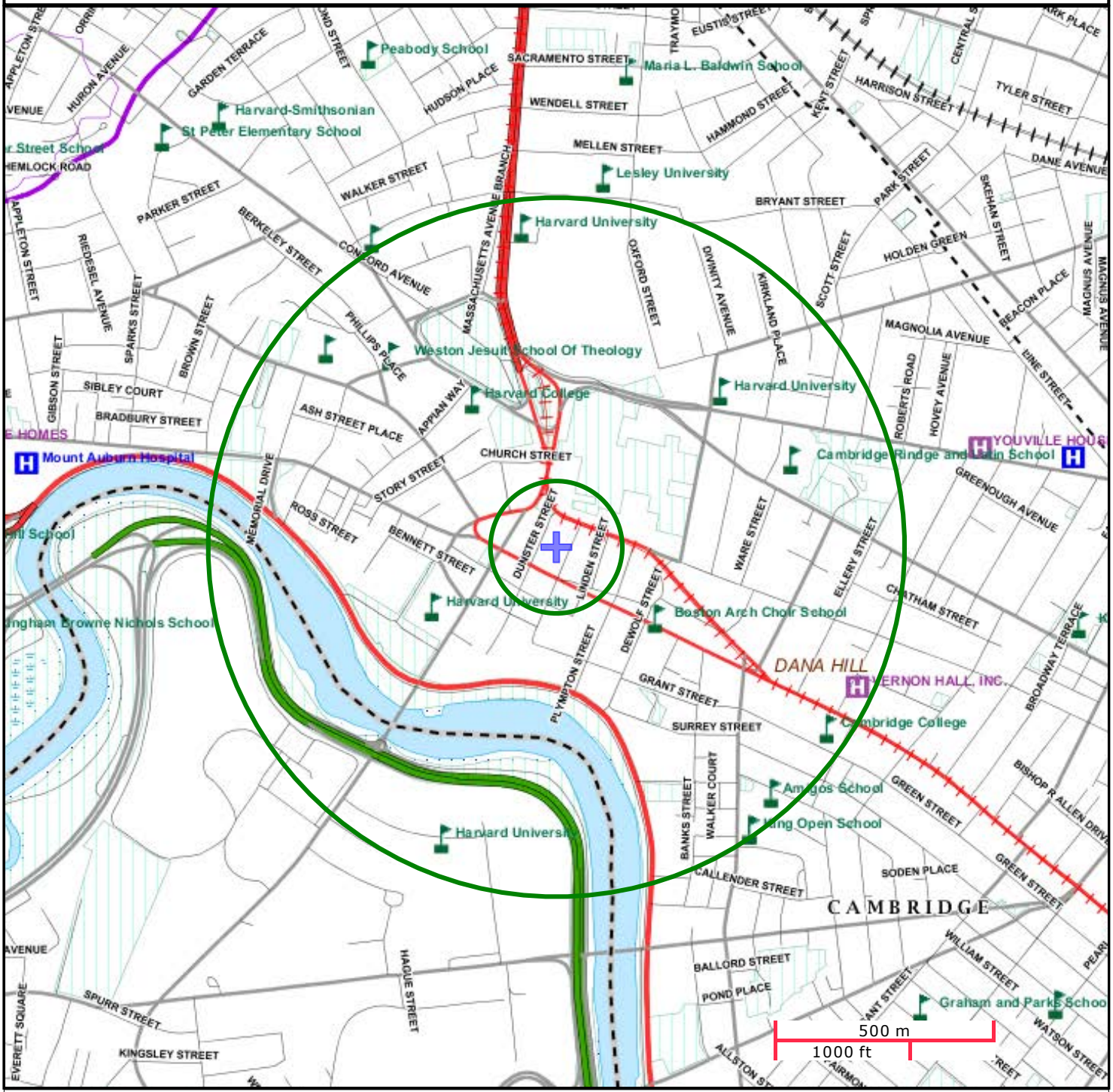
**Site Information:**

1360 MASSACHUSETTS AVENUE CAMBRIDGE, MA

NAD83 UTM Meters:
4693323mN , 325566mE (Zone: 19)
June 12, 2015

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: http://www.mass.gov/mgis/.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection




Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential

Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

# MASSACHUSETTS AREAS OF CRITICAL ENVIRONMENTAL CONCERN
## November 2010

**Total Approximate Acreage: 268,000 acres**
Approximate acreage and designation date follow ACEC names below.

**Bourne Back River**
(1,850 acres, 1989) Bourne

**Canoe River Aquifer and Associated Areas** (17,200 acres, 1991) Easton, Foxborough, Mansfield, Norton, Sharon, and Taunton

**Cedar Swamp**
(1,650 acres, 1975) Hopkinton and Westborough

**Central Nashua River Valley**
(12,900 acres, 1996) Bolton, Harvard, Lancaster, and Leominster

**Cranberry Brook Watershed**
(1,050 acres, 1983) Braintree and Holbrook

**Ellisville Harbor**
(600 acres, 1980) Plymouth

**Fowl Meadow and Ponkapoag Bog**
(8,350 acres, 1992) Boston, Canton, Dedham, Milton, Norwood, Randolph, Sharon, and Westwood

**Golden Hills**
(500 acres, 1987) Melrose, Saugus, and Wakefield

**Great Marsh (originally designated as Parker River/Essex Bay)**
(25,500 acres, 1979) Essex, Gloucester, Ipswich, Newbury, and Rowley

**Herring River Watershed**
(4,450 acres, 1991) Bourne and Plymouth

**Hinsdale Flats Watershed**
(14,500 acres, 1992) Dalton, Hinsdale, Peru, and Washington

**Hockomock Swamp**
(16,950 acres, 1990) Bridgewater, Easton, Norton, Raynham, Taunton, and West Bridgewater

**Inner Cape Cod Bay**
(2,600 acres, 1985) Brewster, Eastham, and Orleans

**Kampoosa Bog Drainage Basin**
(1,350 acres, 1995) Lee and Stockbridge

**Karner Brook Watershed**
(7,000 acres, 1992) Egremont and Mount Washington

**Miscoe, Warren, and Whitehall Watersheds**
(8,700 acres, 2000) Grafton, Hopkinton, and Upton

**Neponset River Estuary**
(1,300 acres, 1995) Boston, Milton, and Quincy

**Petapawag**
(25,680 acres, 2002) Ayer, Dunstable, Groton, Pepperell, and Tyngsborough

**Pleasant Bay**
(9,240 acres, 1987) Brewster, Chatham, Harwich, and Orleans

**Pocasset River**
(160 acres, 1980) Bourne

**Rumney Marshes**
(2,800 acres, 1988) Boston, Lynn, Revere, Saugus, and Winthrop

**Sandy Neck Barrier Beach System**
(9,130 acres, 1978) Barnstable and Sandwich

**Schenob Brook Drainage Basin**
(13,750 acres, 1990) Mount Washington and Sheffield

**Squannassit**
(37,420 acres, 2002) Ashby, Ayer, Groton, Harvard, Lancaster, Lunenburg, Pepperell, Shirley, and Townsend

**Three Mile River Watershed**
(14,280 acres, 2008) Dighton, Norton, Taunton

**Upper Housatonic River**
(12,280 acres, 2009) Lee, Lenox, Pittsfield, Washington

**Waquoit Bay**
(2,580 acres, 1979) Falmouth and Mashpee

**Weir River**
(950 acres, 1986) Cohasset, Hingham, and Hull

**Wellfleet Harbor**
(12,480 acres, 1989) Eastham, Truro, and Wellfleet

**Weymouth Back River**
(800 acres, 1982) Hingham and Weymouth

ACEC acreages above are based on MassGIS calculations and may differ from numbers originally presented in designation documents and other ACEC publications due to improvements in accuracy of GIS data and boundary clarifications. Listed acreages have been rounded to the nearest 50 or 10 depending on whether boundary clarification has occurred. For more information please see, http://www.mass.gov/dcr/stewardship/acec/aboutMaps.htm.

## Towns with ACECs within their Boundaries — November 2010

| TOWN | ACEC |
|---|---|
| Ashby | Squannassit |
| Ayer | Petapawag |
| | Squannassit |
| Barnstable | Sandy Neck Barrier Beach System |
| Bolton | Central Nashua River Valley |
| Boston | Rumney Marshes |
| | Fowl Meadow and Ponkapoag Bog |
| | Neponset River Estuary |
| Bourne | Pocasset River |
| | Bourne Back River |
| | Herring River Watershed |
| Braintree | Cranberry Brook Watershed |
| Brewster | Pleasant Bay |
| | Inner Cape Cod Bay |
| Bridgewater | Hockomock Swamp |
| Canton | Fowl Meadow and Ponkapoag Bog |
| Chatham | Pleasant Bay |
| Cohasset | Weir River |
| Dalton | Hinsdale Flats Watershed |
| Dedham | Fowl Meadow and Ponkapoag Bog |
| Dighton | Three Mile River Watershed |
| Dunstable | Petapawag |
| Eastham | Inner Cape Cod Bay |
| | Wellfleet Harbor |
| Easton | Canoe River Aquifer |
| | Hockomock Swamp |
| Egremont | Karner Brook Watershed |
| Essex | Great Marsh |
| Falmouth | Waquoit Bay |
| Foxborough | Canoe River Aquifer |
| Gloucester | Great Marsh |
| Grafton | Miscoe-Warren-Whitehall Watersheds |
| Groton | Petapawag |
| | Squannassit |
| Harvard | Central Nashua River Valley |
| | Squannassit |
| Harwich | Pleasant Bay |
| Hingham | Weir River |
| | Weymouth Back River |
| Hinsdale | Hinsdale Flats Watershed |
| Holbrook | Cranberry Brook Watershed |
| Hopkinton | Miscoe-Warren-Whitehall Watersheds |
| | Cedar Swamp |
| Hull | Weir River |
| Ipswich | Great Marsh |
| Lancaster | Central Nashua River Valley |
| | Squannassit |
| Lee | Kampoosa Bog Drainage Basin |
| | Upper Housatonic River |
| Lenox | Upper Housatonic River |
| Leominster | Central Nashua River Valley |
| Lunenburg | Squannassit |
| Lynn | Rumney Marshes |
| Mansfield | Canoe River Aquifer |
| Mashpee | Waquoit Bay |
| Melrose | Golden Hills |
| Milton | Fowl Meadow and Ponkapoag Bog |
| | Neponset River Estuary |
| Mt. Washington | Karner Brook Watershed |
| | Schenob Brook |
| Newbury | Great Marsh |
| Norton | Hockomock Swamp |
| | Canoe River Aquifer |
| | Three Mile River Watershed |
| Norwood | Fowl Meadow and Ponkapoag Bog |
| Orleans | Inner Cape Cod Bay |
| | Pleasant Bay |
| Pepperell | Petapawag |
| | Squannassit |
| Peru | Hinsdale Flats Watershed |
| Pittsfield | Upper Housatonic River |
| Plymouth | Herring River Watershed |
| | Ellisville Harbor |
| Quincy | Neponset River Estuary |
| Randolph | Fowl Meadow and Ponkapoag Bog |
| Raynham | Hockomock Swamp |
| Revere | Rumney Marshes |
| Rowley | Great Marsh |
| Sandwich | Sandy Neck Barrier Beach System |
| Saugus | Rumney Marshes |
| | Golden Hills |
| Sharon | Canoe River Aquifer |
| | Fowl Meadow and Ponkapoag Bog |
| Sheffield | Schenob Brook |
| Shirley | Squannassit |
| Stockbridge | Kampoosa Bog Drainage Basin |
| Taunton | Hockomock Swamp |
| | Canoe River Aquifer |
| | Three Mile River Watershed |
| Truro | Wellfleet Harbor |
| Townsend | Squannassit |
| Tyngsborough | Petapawag |
| Upton | Miscoe-Warren-Whitehall Watersheds |
| Wakefield | Golden Hills |
| Washington | Hinsdale Flats Watershed |
| | Upper Housatonic River |
| Wellfleet | Wellfleet Harbor |
| W Bridgewater | Hockomock Swamp |
| Westborough | Cedar Swamp |
| Westwood | Fowl Meadow and Ponkapoag Bog |
| Weymouth | Weymouth Back River |
| Winthrop | Rumney Marshes |

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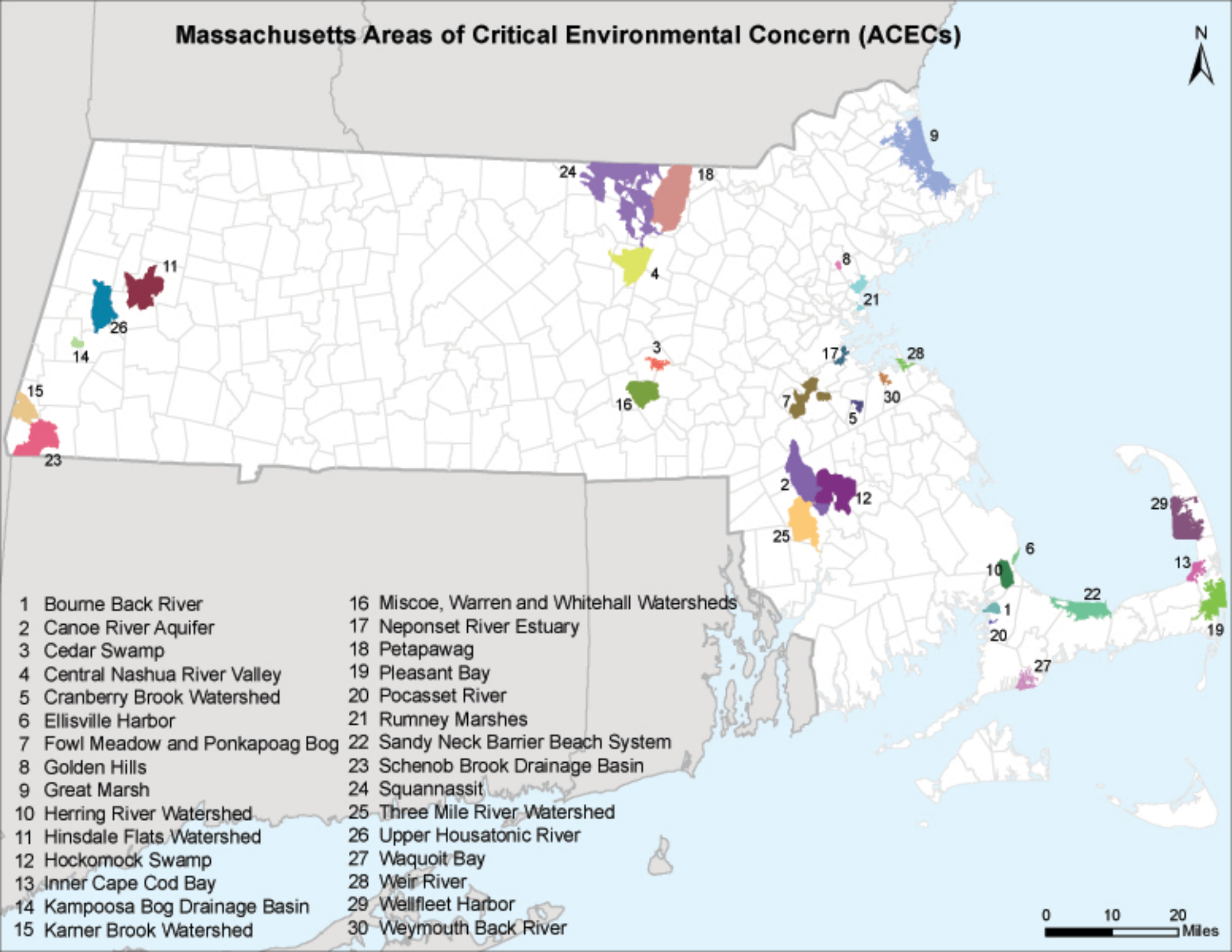
# Massachusetts Areas of Critical Environmental Concern (ACECs)




1 Bourne Back River
2 Canoe River Aquifer
3 Cedar Swamp
4 Central Nashua River Valley
5 Cranberry Brook Watershed
6 Ellisville Harbor
7 Fowl Meadow and Ponkapoag Bog
8 Golden Hills
9 Great Marsh
10 Herring River Watershed
11 Hinsdale Flats Watershed
12 Hockomock Swamp
13 Inner Cape Cod Bay
14 Kampoosa Bog Drainage Basin
15 Karner Brook Watershed
16 Miscoe, Warren and Whitehall Watersheds
17 Neponset River Estuary
18 Petapawag
19 Pleasant Bay
20 Pocasset River
21 Rumney Marshes
22 Sandy Neck Barrier Beach System
23 Schenob Brook Drainage Basin
24 Squannassit
25 Three Mile River Watershed
26 Upper Housatonic River
27 Waquoit Bay
28 Weir River
29 Wellfleet Harbor
30 Weymouth Back River

# FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

| COUNTY | SPECIES | FEDERAL STATUS | GENERAL LOCATION/HABITAT | TOWNS |
|---|---|---|---|---|
| Barnstable | Piping Plover | Threatened | Coastal Beaches | All Towns |
| | Roseate Tern | Endangered | Coastal beaches and the Atlantic Ocean | All Towns |
| | Northeastern beach tiger beetle | Threatened | Coastal Beaches | Chatham |
| | Sandplain gerardia | Endangered | Open areas with sandy soils. | Sandwich and Falmouth. |
| | Northern Red-bellied Cooter | Endangered | Inland Ponds and Rivers | Bourne (north of the Cape Cod Canal) |
| Berkshire | Bog Turtle | Threatened | Wetlands | Egremont and Sheffield |
| Bristol | Piping Plover | Threatened | Coastal Beaches | Fairhaven, Dartmouth, Westport |
| | Roseate Tern | Endangered | Coastal beaches and the Atlantic Ocean | Fairhaven, New Bedford, Dartmouth, Westport |
| | Northern Red-bellied Cooter | Endangered | Inland Ponds and Rivers | Taunton |
| Dukes | Roseate Tern | Endangered | Coastal beaches and the Atlantic Ocean | All Towns |
| | Piping Plover | Threatened | Coastal Beaches | All Towns |
| | Northeastern beach tiger beetle | Threatened | Coastal Beaches | Aquinnah and Chilmark |
| | Sandplain gerardia | Endangered | Open areas with sandy soils. | West Tisbury |
| Essex | Small whorled Pogonia | Threatened | Forests with somewhat poorly drained soils and/or a seasonally high water table | Gloucester, Essex and Manchester |
| | Piping Plover | Threatened | Coastal Beaches | Gloucester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury |
| Franklin | Northeastern bulrush | Endangered | Wetlands | Montague, Warwick |
| | Dwarf wedgemussel | Endangered | Mill River | Whately |
| Hampshire | Small whorled Pogonia | Threatened | Forests with somewhat poorly drained soils and/or a seasonally high water table | Hadley |
| | Puritan tiger beetle | Threatened | Sandy beaches along the Connecticut River | Northampton and Hadley |
| | Dwarf wedgemussel | Endangered | Rivers and Streams. | Hatfield, Amherst and Northampton |
| Hampden | Small whorled Pogonia | Threatened | Forests with somewhat poorly drained soils and/or a seasonally high water table | Southwick |
| Middlesex | Small whorled Pogonia | Threatened | Forests with somewhat poorly drained soils and/or a seasonally high water table | Groton |
| Nantucket | Piping Plover | Threatened | Coastal Beaches | Nantucket |
| | Roseate Tern | Endangered | Coastal beaches and the Atlantic Ocean | Nantucket |
| | American burying beetle | Endangered | Upland grassy meadows | Nantucket |
| Plymouth | Piping Plover | Threatened | Coastal Beaches | Scituate, Marshfield, Duxbury, Plymouth, Wareham and Mattapoisett |
| | Northern Red-bellied Cooter | Endangered | Inland Ponds and Rivers | Kingston, Middleborough, Carver, Plymouth, Bourne, Wareham, Halifax, and Pembroke |
| | Roseate Tern | Endangered | Coastal beaches and the Atlantic Ocean | Plymouth, Marion, Wareham, and Mattapoisett. |
| Suffolk | Piping Plover | Threatened | Coastal Beaches | Winthrop |
| Worcester | Small whorled Pogonia | Threatened | Forests with somewhat poorly drained soils and/or a seasonally high water table | Leominster |

-Eastern cougar and gray wolf are considered extirpated in Massachusetts.
-Endangered gray wolves are not known to be present in Massachusetts, but dispersing individuals from source populations in Canada may occur statewide.
-Critical habitat for the Northern Red-bellied Cooter is present in Plymouth County.

Revised 10/7/2011

# My project

## *IPaC Trust Resource Report*

Generated June 12, 2015 10:43 AM MDT

US Fish & Wildlife Service

# IPaC Trust Resource Report

## Project Description

NAME

My project

PROJECT CODE

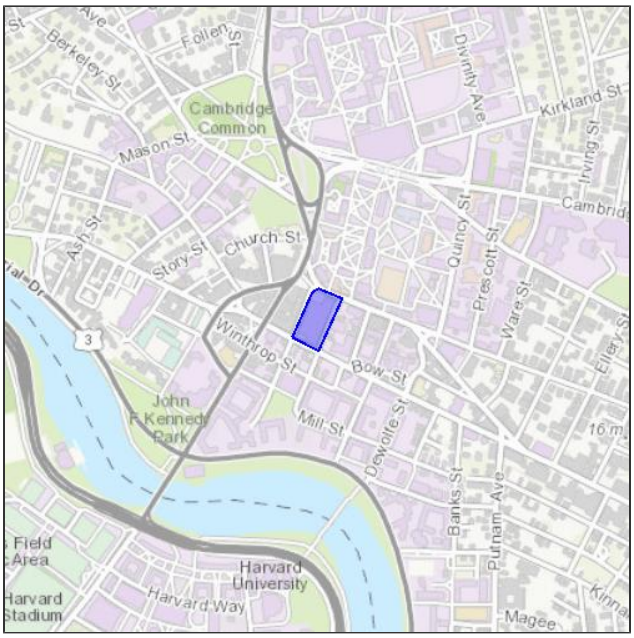
XFMMA-UUPO5-EHTAE-QXCVY-ABHIXM

LOCATION

Middlesex County, Massachusetts

DESCRIPTION

No description provided




## U.S. Fish & Wildlife Contact Information

Species in this report are managed by:

**New England Ecological Services Field Office**
70 Commercial Street, Suite 300
Concord, NH 3301-5094
(603) 223-2541

## Endangered Species

Proposed, candidate, threatened, and endangered species that are managed by the Endangered Species Program and should be considered as part of an effect analysis for this project.

There are no endangered species identified for this project area

### Critical Habitats

Potential effects to critical habitat(s) within the project area must be analyzed along with the endangered species themselves.

There is no critical habitat within this project area

# Migratory Birds

Birds are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

Any activity which results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service (1). There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

You are responsible for complying with the appropriate regulations for the protection of birds as part of this project. This involves analyzing potential impacts and implementing appropriate conservation measures for all project activities.

**American Oystercatcher** Haematopus palliatus — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0G8

**American Bittern** Botaurus lentiginosus — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0F3

**Bald Eagle** Haliaeetus leucocephalus — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B008

**Black-billed Cuckoo** Coccyzus erythropthalmus — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HI

**Blue-winged Warbler** Vermivora pinus — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JY

**Canada Warbler** Wilsonia canadensis — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0LL

**Hudsonian Godwit** Limosa haemastica — **Bird of conservation concern**
Season: Migrating
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JM

**Least Bittern** Ixobrychus exilis — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JW

**Peregrine Falcon** Falco peregrinus — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FU

**Pied-billed Grebe** Podilymbus podiceps — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JQ

**Prairie Warbler** Dendroica discolor **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0K4

**Purple Sandpiper** Calidris maritima **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0L1

**Saltmarsh Sparrow** Ammodramus caudacutus **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0MY

**Seaside Sparrow** Ammodramus maritimus **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0N0

**Short-eared Owl** Asio flammeus **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HD

**Snowy Egret** Egretta thula **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0LC

**Upland Sandpiper** Bartramia longicauda **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HC

**Wood Thrush** Hylocichla mustelina **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0IB

**Worm Eating Warbler** Helmitheros vermivorum **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0II

# Refuges

Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. If your project overlaps or otherwise impacts a Refuge, please contact that Refuge to discuss the authorization process.

There are no refuges within this project area

# Wetlands

Impacts to NWI wetlands and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes.

Project proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate U.S. Army Corps of Engineers District.

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Wetland data is unavailable at this time.

# APPENDIX D

## National Register of Historic Places and Massachusetts Historical Commission Documentation

# Massachusetts Cultural Resource Information System

## Scanned Record Cover Page

| | |
|---|---|
| **Inventory No:** | CAM.237 |
| **Historic Name:** | Holyoke Center |
| **Common Name:** | |
| **Address:** | 1350 Massachusetts Ave |
| **City/Town:** | Cambridge |
| **Village/Neighborhood:** | Old Cambridge; Harvard Square |
| **Local No:** | 30 |
| **Year Constructed:** | |
| **Architect(s):** | Sert, Jackson and Gourley |
| **Architectural Style(s):** | Not researched |
| **Use(s):** | Commercial Block |
| **Significance:** | Architecture; Education; Health Medicine |
| **Area(s):** | CAM.G: Cambridge Multiple Resource Area<br>CAM.AB: Harvard Square Historic District |
| **Designation(s):** | Nat'l Register District (7/27/1988); Nat'l Register MRA (7/27/1988) |
| **Building Materials(s):** | Wall: Concrete Unspecified |

Digital Photo Not Yet Available

NRDIS/MEA - 7/27/78 (G) AB 237 CAM. 237 30

FORM B - STRUCTURE SURVEY (INC 1336-1362)
MASSACHUSETTS HISTORICAL COMMISSION
Office of the Secretary, State House, Boston

2. Town CAMBRIDGE
Street ~~MASSACHUSETTS AVENUE~~, HOLYOKE, MT. AUBURN & DUNSTER STREETS

1. Is this structure historically significant to:
(Town) Commonwealth Nation

Structure has historical connection with the following themes: (See also reverse side)

| | |
|---|---|
| Agriculture | Commerce/Industry |
| (Architecture) | Science/Invention |
| Art/Sculpture | Travel/Communication |
| Education | Military Affairs |
| Government | Religion/Philosophy |
| Literature | Indians |
| Music | Development of Town/City |

Name HOLYOKE CENTER
Original Use STORES, OFFICES, HEALTH CENTER
Present Use SAME
Present Owner HARVARD UNIVERSITY
Date 1961-66 Style MODERN
Source of Date CAMBRIDGE HISTORICAL COMMISSION
Architect SERT, JACKSON & GOURLEY

3. CONDITION: (Excellent) Good Fair Deteriorated Moved Altered
IMPORTANCE of site to area: (Great) Little None SITE endangered by

4. DESCRIPTION

FOUNDATION/BASEMENT: High (Regular) Low Material: PL. OC & HAR S.O. USGS - BOSTON S SEC'T F

WALL COVER: Wood Brick Stone Other CONCRETE

STORIES: 1 2 3 4 (10) CHIMNEYS: 1 2 3 4 Center End Cluster Elaborate Irregular

ATTACHMENTS: Wings Ell Shed (Dependency) LOW PAVILIONS AT EITHER END OF MAIN STRUCTURE Simple/Complex

PORCHES: 1 2 3 4 Portico Balcony Recessed

ROOF: Ridge Gambrel (Flat) Hip Mansard
Tower Cupola Dormer windows Balustrade Grillwork

FACADE: Gable End: Front/Side Symmetrical/(Asymmetrical) Simple/(Complex) Ornament

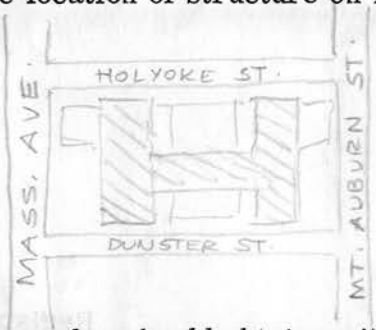
Entrance: Front/Side Centered Double Features:

Windows: Spacing: Regular/(Irregular) Identical/(Varied)

Corners: (Plain) Pilasters Quoins Obscured

OUTBUILDINGS LANDSCAPING

5. Indicate location of structure on map below




6. Footage of structure from street 0
Property has 1148 feet frontage on street

Recorder E. PEARSON + R. RETTIG

For CAMBRIDGE HISTORICAL COMMISSION

Photo —

| E09 | 049-1-030 |
|---|---|

NOTE: Recorder should obtain written permission from Commission or sponsoring organization before using this form. (See Reverse Side)

CAM. 237

FOR USE WITH IMPORTANT STRUCTURES (Indicate any interior features of note)

Fireplace

Stairway

Other

GIVE A BRIEF DESCRIPTION OF HISTORIC IMPORTANCE OF SITE (Refer and elaborate on theme circled on front of form)

Built in several stages between 1961 and 1966, Holyoke Center is important for its success in incorporating a variety of urban functions (stores, offices, medical center, delivery and parking) in an integrated structure encompassing an entire city block. Sensitive scaling and siting make this ten-story concrete building by Sert, Jackson and Gourley an enhancement rather than an embarrassment to the miscellany of earlier structures in Harvard Square.

REFERENCE (Where was this information obtained? What book, records, etc.)

Cambridge Historical Commission

BIBLIOGRAPHY

Original Owner:_____

Deed Information: Book Number_____ Page_____, _____Registry of Deeds

# Massachusetts Cultural Resource Information System

## MACRIS

MACRIS Search Results

Search Criteria: Town(s): Cambridge; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.A | Cambridge Common Historic District | | Cambridge | |
| CAM.B | Lockhart, William L. and Company Coffin Factory | | Cambridge | |
| CAM.C | Blake and Knowles Steam Pump Company | | Cambridge | |
| CAM.D | Fort Washington Historic District | | Cambridge | |
| CAM.E | East Cambridge Historic District | | Cambridge | |
| CAM.F | Winter Street Historic District | | Cambridge | |
| CAM.G | Cambridge Multiple Resource Area | | Cambridge | |
| CAM.H | Lechmere Point Corporation Houses | | Cambridge | |
| CAM.I | Sacred Heart Church, Rectory, School and Convent | | Cambridge | |
| CAM.J | Upper Magazine Street Historic District | | Cambridge | |
| CAM.K | Hastings Square Historic District | | Cambridge | |
| CAM.L | Salem - Auburn Streets Historic District | | Cambridge | |
| CAM.M | Inman Square Historic District | | Cambridge | |
| CAM.N | Old Cambridgeport Historic District | | Cambridge | |
| CAM.O | Norfolk Street Historic District | | Cambridge | |
| CAM.P | Massachusetts Institute of Technology | | Cambridge | |
| CAM.Q | Central Square Historic District | | Cambridge | |
| CAM.R | Bigelow Street Historic District | | Cambridge | |
| CAM.S | Garfield Street Historic District | | Cambridge | |
| CAM.T | Harvard Street Historic District | | Cambridge | |
| CAM.U | Kirkland Place Historic District | | Cambridge | |
| CAM.V | Maple Avenue Historic District | | Cambridge | |
| CAM.W | City Hall Historic District | | Cambridge | |
| CAM.X | Shady Hill Historic District | | Cambridge | |
| CAM.Y | Ash Street Historic District | | Cambridge | |
| CAM.Z | Avon Hill Historic District | | Cambridge | |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.AA | Berkeley Street Historic District | | Cambridge | |
| CAM.AB | Harvard Square Historic District | | Cambridge | |
| CAM.AC | Harvard Houses Historic District | | Cambridge | |
| CAM.AD | Harvard Yard Historic District | | Cambridge | |
| CAM.AE | Old Cambridge Historic District | | Cambridge | |
| CAM.AF | Gray Gardens East and West Historic District | | Cambridge | |
| CAM.AG | Memorial Drive Apartments Historic District | | Cambridge | |
| CAM.AH | Follen Street Historic District | | Cambridge | |
| CAM.AI | Bennink - Douglas Cottages | | Cambridge | |
| CAM.AJ | Charles River Basin Historic District | | Cambridge | |
| CAM.AK | Boston Woven Hose and Rubber Complex | | Cambridge | |
| CAM.AL | Fresh Pond | | Cambridge | |
| CAM.AM | Old Cambridge Historic District | | Cambridge | |
| CAM.AN | Harvard Riverfront | | Cambridge | |
| CAM.AO | East Cambridge | | Cambridge | |
| CAM.AP | Hubbard Park Historic District | | Cambridge | |
| CAM.AQ | Davenport - Allen and Endicott Factory | | Cambridge | |
| CAM.AR | Mount Auburn Cemetery | | Cambridge | |
| CAM.AS | Metropolitan Park System of Greater Boston | | Cambridge | |
| CAM.AT | Elmwood (James Russell Lowell House) | | Cambridge | |
| CAM.AU | Christ Church | | Cambridge | |
| CAM.AV | Blake and Knowles Steam Pump Company | | Cambridge | |
| CAM.AW | Alewife Brook Parkway | | Cambridge | |
| CAM.AX | Fresh Pond Parkway | | Cambridge | |
| CAM.AY | Church of the Blessed Sacrament Catholic Church | | Cambridge | |
| CAM.AZ | Immaculate Conception Roman Catholic Church | | Cambridge | |
| CAM.BA | Immaculate Conception (Lithuanian) Catholic Church | | Cambridge | |
| CAM.BB | Orchard Street Area | | Cambridge | |
| CAM.BC | Central Square Historic District | | Cambridge | |
| CAM.BD | Cambridge Common Historic District | | Cambridge | |
| CAM.BE | Old Harvard Yard | | Cambridge | |
| CAM.BF | Berkeley Street Historic District | | Cambridge | |
| CAM.BG | Harvard Square Historic District | | Cambridge | |
| CAM.BH | Volpe Center | | Cambridge | |
| CAM.1 | Wyeth, John House | 56 Aberdeen Ave | Cambridge | 1841 |
| CAM.1009 | | 24 Agassiz St | Cambridge | 1889 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1010 | Shaw, Edward L. House | 30 Agassiz St | Cambridge | 1890 |
| CAM.1011 | Sands, M. Winslow House | 32 Agassiz St | Cambridge | 1891 |
| CAM.1012 | Blackman, Horace House | 33 Agassiz St | Cambridge | 1890 |
| CAM.1353 | Standard Plate Glass Company Building | 270 Albany St | Cambridge | 1920 |
| CAM.902 | Alewife Brook Parkway Bridge over B & M Railroad | Alewife Brook Pkwy | Cambridge | 1929 |
| CAM.903 | Alewife Brook Parkway Bridge over B & M Railroad | Alewife Brook Pkwy | Cambridge | 1929 |
| CAM.9012 | Alewife Brook Parkway - Northern Segment | Alewife Brook Pkwy | Cambridge | 1908 |
| CAM.9013 | Alewife Brook Parkway Tree Border | Alewife Brook Pkwy | Cambridge | r 1920 |
| CAM.1372 | Immaculate Conception Roman Catholic Church | 45 Alewife Brook Pkwy | Cambridge | 1929 |
| CAM.1373 | Immaculate Conception Catholic Church Rectory | 45 Alewife Brook Pkwy | Cambridge | 1935 |
| CAM.359 | | 6-24 Allston St | Cambridge | 1946 |
| CAM.2 | Fay, Isaac House | 125 Antrim St | Cambridge | 1843 |
| CAM.3 | Withey, S. B. House | 10 Appian Way | Cambridge | 1855 |
| CAM.4 | Howe, Lois Lilly House | 6 Appleton St | Cambridge | 1887 |
| CAM.5 | Cook, William House | 71 Appleton St | Cambridge | 1876 |
| CAM.1016 | | 8-10 Arlington St | Cambridge | 1864 |
| CAM.1027 | Aldrich, Frank A. House | 11 Arlington St | Cambridge | 1899 |
| CAM.1017 | | 12-14 Arlington St | Cambridge | 1864 |
| CAM.1028 | Graustein, Adolph H. House | 19 Arlington St | Cambridge | 1902 |
| CAM.1018 | | 22 Arlington St | Cambridge | 1862 |
| CAM.1019 | Fillmore, Wellington House | 24 Arlington St | Cambridge | 1869 |
| CAM.1347 | | 25 Arlington St | Cambridge | |
| CAM.1020 | Moor, Rev. Clark House | 26 Arlington St | Cambridge | 1869 |
| CAM.1021 | Blackman, Horace P. House | 28 Arlington St | Cambridge | 1876 |
| CAM.1022 | | 30 Arlington St | Cambridge | 1876 |
| CAM.1023 | Jameson, Edwin A. L. House | 32 Arlington St | Cambridge | 1872 |
| CAM.1029 | Davis, John House | 33 Arlington St | Cambridge | 1869 |
| CAM.1024 | | 36 Arlington St | Cambridge | 1872 |
| CAM.1030 | Kelsey, Albert House | 37 Arlington St | Cambridge | 1875 |
| CAM.1025 | Moor, Rev. Clark Double House | 38-40 Arlington St | Cambridge | 1874 |
| CAM.1026 | Boardman, Charles House | 42 Arlington St | Cambridge | 1871 |
| CAM.1061 | Harvard Catholic Student Center | 20 Arrow St | Cambridge | c 1890 |
| CAM.1062 | Saint Paul's Church | 24 Arrow St | Cambridge | r 1920 |
| CAM.784 | Brooks, John House | 5 Ash St | Cambridge | 1887 |
| CAM.6 | Johnson, Philip House | 9 Ash St | Cambridge | 1942 |
| CAM.785 | Ela, Lucia House | 13 Ash St | Cambridge | 1869 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.787 | Eliot, T. S. House | 16 Ash St | Cambridge | 1855 |
| CAM.786 | Nowell, Henry House | 19 Ash St | Cambridge | 1825 |
| CAM.788 | Hunnewell, James A. House | 6 Ash Street Pl | Cambridge | 1848 |
| CAM.522 | | 107 Auburn St | Cambridge | 1803 |
| CAM.523 | | 108-110 Auburn St | Cambridge | 1803 |
| CAM.524 | | 114 Auburn St | Cambridge | c 1844 |
| CAM.525 | | 119 Auburn St | Cambridge | c 1829 |
| CAM.526 | | 122 Auburn St | Cambridge | c 1840 |
| CAM.527 | | 131 Auburn St | Cambridge | c 1830 |
| CAM.528 | | 134 Auburn St | Cambridge | c 1845 |
| CAM.7 | Ellis, Asa House | 158 Auburn St | Cambridge | 1805 |
| CAM.564 | Hotel Eliot | 66 Austin St | Cambridge | c 1885 |
| CAM.565 | Hotel Austin | 70 Austin St | Cambridge | c 1885 |
| CAM.8 | Brabrook, Ezra H. House | 42-44 Avon St | Cambridge | 1849 |
| CAM.352 | Blake and Knowles Main Foundry | 180 Bent St | Cambridge | c 1895 |
| CAM.1035 | | 1 Berkeley Pl | Cambridge | 1892 |
| CAM.1036 | | 2 Berkeley Pl | Cambridge | 1892 |
| CAM.1037 | | 3 Berkeley Pl | Cambridge | 1892 |
| CAM.1038 | | 4 Berkeley Pl | Cambridge | 1910 |
| CAM.1039 | | 5 Berkeley Pl | Cambridge | 1900 |
| CAM.1040 | | 6 Berkeley Pl | Cambridge | 1914 |
| CAM.1041 | | 7 Berkeley Pl | Cambridge | 1913 |
| CAM.1042 | | 8 Berkeley Pl | Cambridge | 1931 |
| CAM.1043 | Pryor - Brown House | 1 Berkeley St | Cambridge | 1852 |
| CAM.10 | Thayer, Prof. Studio | 2 1/2 Berkeley St | Cambridge | 1894 |
| CAM.1044 | Pryor - Howells House | 3 Berkeley St | Cambridge | 1856 |
| CAM.1045 | Dana, Richard H. House | 4 Berkeley St | Cambridge | 1851 |
| CAM.1046 | Wyeth - Allen House | 5-7R Berkeley St | Cambridge | 1852 |
| CAM.1047 | | 6 Berkeley St | Cambridge | 1853 |
| CAM.1048 | Ware, Henry House | 8 Berkeley St | Cambridge | 1859 |
| CAM.1049 | Allyn, John House | 11 Berkeley St | Cambridge | 1886 |
| CAM.1050 | | 12 Berkeley St | Cambridge | 1881 |
| CAM.1051 | | 13 Berkeley St | Cambridge | 1898 |
| CAM.1052 | Williston, Lyman House | 15 Berkeley St | Cambridge | 1863 |
| CAM.1053 | | 16 Berkeley St | Cambridge | 1905 |
| CAM.1054 | | 17 Berkeley St | Cambridge | 1863 |
| CAM.1055 | | 19 Berkeley St | Cambridge | 1854 |
| CAM.1056 | Newell, William House | 20 Berkeley St | Cambridge | 1856 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1057 | | 21 Berkeley St | Cambridge | 1854 |
| CAM.1058 | Fiske, John House | 22 Berkeley St | Cambridge | 1877 |
| CAM.1059 | | 23 Berkeley St | Cambridge | 1854 |
| CAM.1060 | | 24 Berkeley St | Cambridge | 1936 |
| CAM.1355 | Craft, William House | 5 Bigelow St | Cambridge | 1869 |
| CAM.1356 | Sharry, William J. House | 5A Bigelow St | Cambridge | 1940 |
| CAM.663 | Montague, Charles House | 6 Bigelow St | Cambridge | 1873 |
| CAM.655 | Snow, Simeon House | 7 Bigelow St | Cambridge | 1869 |
| CAM.1360 | Rhodes, Silas Jr. House | 8 Bigelow St | Cambridge | 1871 |
| CAM.656 | Pollard, John Double House | 9-11 Bigelow St | Cambridge | 1874 |
| CAM.664 | Hurd, Theodore House | 10-12 Bigelow St | Cambridge | 1884 |
| CAM.657 | Bird, Henry House | 13 Bigelow St | Cambridge | 1874 |
| CAM.1361 | Pike, Walter House | 14 Bigelow St | Cambridge | 1888 |
| CAM.658 | Davis, Curtis House | 15 Bigelow St | Cambridge | 1873 |
| CAM.1362 | Brazier, Abbie House | 16 Bigelow St | Cambridge | 1874 |
| CAM.659 | Whitely, Hiram House | 17 Bigelow St | Cambridge | 1873 |
| CAM.1363 | Sawyer - Dole House | 18 Bigelow St | Cambridge | 1876 |
| CAM.1357 | Oxford, Charles House | 19 Bigelow St | Cambridge | 1871 |
| CAM.660 | Snow - Twitchell Double House | 21-23 Bigelow St | Cambridge | 1873 |
| CAM.665 | Hyde, Edward House | 22 Bigelow St | Cambridge | 1870 |
| CAM.1348 | Robbins Block | 24-46 Bigelow St | Cambridge | 1871 |
| CAM.661 | Jessop, Joseph House | 25 Bigelow St | Cambridge | 1872 |
| CAM.1358 | Jessop Tenement House | 29 Bigelow St | Cambridge | 1891 |
| CAM.1359 | Whitcomb, Peter Double House | 31-33 Bigelow St | Cambridge | 1872 |
| CAM.662 | Davis, John W. House | 35 Bigelow St | Cambridge | 1870 |
| CAM.1406 | Volpe Center - Shipping and Receiving | 182 Binney St | Cambridge | 1965 |
| CAM.357 | Blake and Knowles Machine Shop #2 | 195 Binney St | Cambridge | 1917 |
| CAM.358 | Blake and Knowles Machine Shop #3 | 199 Binney St | Cambridge | 1918 |
| CAM.356 | Blake and Knowles Erecting and Assembling Building | 201 Binney St | Cambridge | 1903 |
| CAM.1388 | | 39 Bishop Allen Dr | Cambridge | |
| CAM.1397 | Hotel Greyburn | 77 Bishop Allen Dr | Cambridge | 1891 |
| CAM.577 | Young Women's Christian Association Building | 146 Bishop Allen Dr | Cambridge | c 1954 |
| CAM.1386 | Squirrel Brand Company Building | 8 Boardman St | Cambridge | 1915 |
| CAM.11 | Slowey, Patrick House | 73 Bolton St | Cambridge | 1852 |
| CAM.1063 | Bicycle Exchange Building | 3-7 Bow St | Cambridge | 1901 |
| CAM.1064 | | 9 Bow St | Cambridge | 1884 |
| CAM.1065 | Farwell - Russell, Thomas Store | 12 Bow St | Cambridge | c 1830 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1066 | Westmorly Court - Harvard University | 15-29 Bow St | Cambridge | c 1898 |
| CAM.12 | Harvard Lampoon Building | 44 Bow St | Cambridge | 1909 |
| CAM.1067 | Randolph Hall - Harvard University | 47-57 Bow St | Cambridge | 1897 |
| CAM.13 | Frost, Elizabeth Tenant House | 35 Bowdoin St | Cambridge | 1812 |
| CAM.926 | Anderson, Larz Bridge | Boylston St | Cambridge | 1915 |
| CAM.14 | Hicks, John House | 64 Boylston St | Cambridge | c 1761 |
| CAM.294 | Radcliffe College Graduate Center | Brattle St | Cambridge | 1955 |
| CAM.918 | Longfellow Park | Brattle St | Cambridge | 1887 |
| CAM.987 | Lowell Park | Brattle St | Cambridge | |
| CAM.1068 | Brattle Building | 4 Brattle St | Cambridge | 1913 |
| CAM.1069 | Atrium Building | 9-11 Brattle St | Cambridge | 1979 |
| CAM.1071 | | 12-16 Brattle St | Cambridge | 1887 |
| CAM.1070 | Estes Block | 13-15 Brattle St | Cambridge | 1875 |
| CAM.1072 | Dow Block | 17-35 Brattle St | Cambridge | c 1936 |
| CAM.1073 | | 18 Brattle St | Cambridge | 1922 |
| CAM.1074 | | 26 Brattle St | Cambridge | 1909 |
| CAM.1075 | Hadley Building | 28-36 Brattle St | Cambridge | 1974 |
| CAM.1076 | Cambridge Federal Savings Bank | 38A Brattle St | Cambridge | 1937 |
| CAM.1077 | | 39-41 Brattle St | Cambridge | 1925 |
| CAM.15 | Brattle Hall | 40 Brattle St | Cambridge | 1889 |
| CAM.1078 | | 40A Brattle St | Cambridge | c 1925 |
| CAM.16 | Brattle, William House | 42 Brattle St | Cambridge | c 1727 |
| CAM.1079 | Sage Building | 43-45 Brattle St | Cambridge | 1926 |
| CAM.1080 | | 44 Brattle St | Cambridge | 1970 |
| CAM.1081 | | 46R Brattle St | Cambridge | 1966 |
| CAM.1082 | | 47-49 Brattle St | Cambridge | c 1926 |
| CAM.1083 | Design Research Building | 48 Brattle St | Cambridge | 1969 |
| CAM.1084 | Washington Court | 51 Brattle St | Cambridge | 1905 |
| CAM.17 | Pratt, Dexter House | 54 Brattle St | Cambridge | 1808 |
| CAM.1229 | Warland, John House | 69 Brattle St | Cambridge | 1838 |
| CAM.1230 | Greenleaf, James House | 76 Brattle St | Cambridge | 1859 |
| CAM.1228 | Chamberlin, John House | 77 Brattle St | Cambridge | 1821 |
| CAM.18 | Radcliffe College Alumnae House | 79 Brattle St | Cambridge | 1836 |
| CAM.19 | Wadsworth Chambers | 81-83 Brattle St | Cambridge | 1908 |
| CAM.20 | Burleigh House | 85 Brattle St | Cambridge | 1847 |
| CAM.21 | Stoughton, Mary Fisk House | 90 Brattle St | Cambridge | 1882 |
| CAM.22 | | 92 Brattle St | Cambridge | 1882 |
| CAM.23 | Vassall, Henry House | 94 Brattle St | Cambridge | 1635 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.24 | Episcopal Divinity School - Washburn Hall | 99 Brattle St | Cambridge | 1960 |
| CAM.25 | Saint John's Chapel | 99 Brattle St | Cambridge | 1868 |
| CAM.26 | Episcopal Divinity School Library - Sherrill Hall | 99 Brattle St | Cambridge | 1965 |
| CAM.27 | Episcopal Divinity School - Wright Hall | 99 Brattle St | Cambridge | 1911 |
| CAM.28 | Episcopal Divinity School - Reed Hall | 99 Brattle St | Cambridge | 1873 |
| CAM.29 | Episcopal Divinity School - Lawrence Hall | 99 Brattle St | Cambridge | 1873 |
| CAM.30 | Episcopal Divinity School - Burnham Hall | 99 Brattle St | Cambridge | 1879 |
| CAM.31 | Hastings, Oliver House | 101 Brattle St | Cambridge | 1844 |
| CAM.32 | Longfellow National Historic Site | 105 Brattle St | Cambridge | c 1759 |
| CAM.33 | Dana, Edith Longfellow House | 113 Brattle St | Cambridge | 1887 |
| CAM.34 | | 114 Brattle St | Cambridge | 1903 |
| CAM.35 | Thorp, Annie Longfellow House | 115 Brattle St | Cambridge | 1887 |
| CAM.36 | Worcester, Joseph House | 121 Brattle St | Cambridge | 1843 |
| CAM.37 | | 121A Brattle St | Cambridge | 1941 |
| CAM.38 | | 123 Brattle St | Cambridge | |
| CAM.39 | | 124 Brattle St | Cambridge | 1915 |
| CAM.40 | | 125 Brattle St | Cambridge | 1939 |
| CAM.41 | | 126 Brattle St | Cambridge | 1890 |
| CAM.1235 | | 127 Brattle St | Cambridge | 1970 |
| CAM.42 | | 128 Brattle St | Cambridge | 1892 |
| CAM.43 | | 130-130R Brattle St | Cambridge | 1886 |
| CAM.44 | | 132 Brattle St | Cambridge | 1886 |
| CAM.45 | Falxa, Dr. Martin House | 133 Brattle St | Cambridge | 1970 |
| CAM.46 | | 134-136 Brattle St | Cambridge | 1857 |
| CAM.47 | | 138 Brattle St | Cambridge | 1930 |
| CAM.48 | | 140 Brattle St | Cambridge | 1930 |
| CAM.49 | | 142 Brattle St | Cambridge | 1915 |
| CAM.50 | Cambridge Armenian Church | 143 Brattle St | Cambridge | 1959 |
| CAM.51 | | 144 Brattle St | Cambridge | 1915 |
| CAM.52 | Brewster, William House | 145 Brattle St | Cambridge | 1887 |
| CAM.53 | | 146 Brattle St | Cambridge | 1939 |
| CAM.54 | | 147 Brattle St | Cambridge | 1887 |
| CAM.55 | | 148 Brattle St | Cambridge | 1914 |
| CAM.56 | Lechmere, Richard House | 149 Brattle St | Cambridge | c 1762 |
| CAM.57 | | 150 Brattle St | Cambridge | 1908 |
| CAM.58 | | 152 Brattle St | Cambridge | 1887 |
| CAM.59 | Lee, Thomas House | 153 Brattle St | Cambridge | 1803 |
| CAM.60 | | 154 Brattle St | Cambridge | r 1865 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1236 | | 155 Brattle St | Cambridge | 1889 |
| CAM.61 | | 156 Brattle St | Cambridge | 1867 |
| CAM.62 | | 158 Brattle St | Cambridge | 1884 |
| CAM.63 | Hooper - Lee - Nichols House | 159 Brattle St | Cambridge | c 1685 |
| CAM.64 | | 160 Brattle St | Cambridge | 1884 |
| CAM.65 | | 164 Brattle St | Cambridge | 1868 |
| CAM.1237 | Bartlett, John House | 165 Brattle St | Cambridge | 1873 |
| CAM.66 | Van Brunt, Henry House | 167 Brattle St | Cambridge | 1883 |
| CAM.67 | | 168 Brattle St | Cambridge | 1888 |
| CAM.68 | Wells, Judge Daniel House | 170 Brattle St | Cambridge | 1852 |
| CAM.69 | | 174 Brattle St | Cambridge | 1885 |
| CAM.70 | Marrett - Ruggles - Fayerweather House | 175 Brattle St | Cambridge | r 1765 |
| CAM.1238 | Fayerweather House Squash Court and Garage | 177 Brattle St | Cambridge | 1915 |
| CAM.71 | | 180 Brattle St | Cambridge | 1888 |
| CAM.72 | Richards, R. A. House | 182 Brattle St | Cambridge | 1895 |
| CAM.73 | | 190 Brattle St | Cambridge | 1898 |
| CAM.74 | Frankfurter, Justice Felix House | 192 Brattle St | Cambridge | 1907 |
| CAM.75 | | 193 Brattle St | Cambridge | 1893 |
| CAM.76 | | 194 Brattle St | Cambridge | 1917 |
| CAM.77 | | 195 Brattle St | Cambridge | 1896 |
| CAM.78 | | 198 Brattle St | Cambridge | 1912 |
| CAM.79 | Stubbins, Hugh House | 199 Brattle St | Cambridge | 1966 |
| CAM.80 | | 200 Brattle St | Cambridge | 1901 |
| CAM.81 | | 202 Brattle St | Cambridge | 1903 |
| CAM.82 | | 205 Brattle St | Cambridge | r 1925 |
| CAM.83 | | 209 Brattle St | Cambridge | r 1925 |
| CAM.84 | | 213-215 Brattle St | Cambridge | 1896 |
| CAM.85 | Frost, Robert House | 29-35 Brewster St | Cambridge | 1884 |
| CAM.1402 | Volpe Center - Auditorium | 33 Broadway | Cambridge | c 1965 |
| CAM.86 | Cambridge Public Library | 449 Broadway | Cambridge | 1888 |
| CAM.515 | | 301 Brookline Ave | Cambridge | 1869 |
| CAM.516 | | 302 Brookline Ave | Cambridge | 1887 |
| CAM.517 | | 308 Brookline Ave | Cambridge | 1870 |
| CAM.623 | Southwick Block | 11-19 Brookline St | Cambridge | 1911 |
| CAM.88 | Brown, Daniel House | 7 Brown St | Cambridge | 1845 |
| CAM.89 | Hill, Aaron House | 17 Brown St | Cambridge | c 1754 |
| CAM.708 | | 1 Bryant St | Cambridge | 1911 |
| CAM.709 | | 5 Bryant St | Cambridge | 1916 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.710 | | 7 Bryant St | Cambridge | 1915 |
| CAM.711 | | 20-24 Bryant St | Cambridge | 1916 |
| CAM.712 | | 21 Bryant St | Cambridge | 1932 |
| CAM.90 | Bridgman, Percy House | 10 Buckingham Pl | Cambridge | c 1920 |
| CAM.91 | Koch, Carl House | 4 Buckingham St | Cambridge | 1939 |
| CAM.92 | Higginson, Col. Thomas Wentworth House | 29 Buckingham St | Cambridge | 1880 |
| CAM.941 | Bridge, John Statue | Cambridge Common | Cambridge | 1882 |
| CAM.942 | Memorial Gateway | Cambridge Common | Cambridge | 1906 |
| CAM.943 | Revolutionary War Cannons | Cambridge Common | Cambridge | c 1770 |
| CAM.944 | Soldiers Monument | Cambridge Common | Cambridge | 1869 |
| CAM.906 | Cambridge Parkway Bridge over Broad Canal | Cambridge Pkwy | Cambridge | 1957 |
| CAM.931 | Cambridge Parkway | Cambridge Pkwy | Cambridge | 1900 |
| CAM.97 | Memorial Hall | Cambridge St | Cambridge | r 1875 |
| CAM.379 | Middlesex County Registry of Deeds Building | Cambridge St | Cambridge | 1896 |
| CAM.380 | Middlesex County Clerk of Courts Building | Cambridge St | Cambridge | 1889 |
| CAM.912 | Longfellow Bridge - West Boston Bridge | Cambridge St | Cambridge | c 1907 |
| CAM.914 | Lechmere Square Streetcar Station | Cambridge St | Cambridge | 1922 |
| CAM.372 | | 82-84 Cambridge St | Cambridge | 1937 |
| CAM.373 | Davenport, A. H. - Irving and Casson Company | 88-134 Cambridge St | Cambridge | 1866 |
| CAM.378 | | 160 Cambridge St | Cambridge | 1965 |
| CAM.93 | East Cambridge Savings Bank | 292 Cambridge St | Cambridge | 1931 |
| CAM.94 | Union Railway Car Barn | 613-621 Cambridge St | Cambridge | 1869 |
| CAM.535 | | 1353-1369 Cambridge St | Cambridge | 1894 |
| CAM.532 | Waite Building | 1368 Cambridge St | Cambridge | 1855 |
| CAM.533 | Middlesex Bank Building | 1374-1385 Cambridge St | Cambridge | 1874 |
| CAM.95 | | 1707-1709 Cambridge St | Cambridge | 1845 |
| CAM.96 | | 1715-1717 Cambridge St | Cambridge | 1845 |
| CAM.635 | Holmes Block II - Green Block | 2-14 Central Sq | Cambridge | 1798 |
| CAM.636 | Home Realty Building | 14 Central Sq | Cambridge | 1970 |
| CAM.639 | Southwick Building I | 15-16 Central Sq | Cambridge | 1896 |
| CAM.640 | Southwick Building II | 17-24 Central Sq | Cambridge | c 1860 |
| CAM.641 | White Tower Restaurant | 25 Central Sq | Cambridge | 1932 |
| CAM.98 | Melvin, Isaac House | 19 Centre St | Cambridge | 1842 |
| CAM.99 | Boston and Maine Railroad Signal Tower A | Charles River | Cambridge | 1931 |
| CAM.911 | Charles River Railroad Draw Bridge #1 | Charles River | Cambridge | 1931 |
| CAM.920 | Charles River Dam | Charles River | Cambridge | r 1905 |
| CAM.925 | Weeks, John Wingate Foot Bridge | Charles River | Cambridge | 1927 |
| CAM.928 | Lechmere Canal | Charles River | Cambridge | 1909 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.929 | Broad Canal | Charles River | Cambridge | 1805 |
| CAM.932 | Charles River Basin Granite Seawall and Iron Fence | Charles River | Cambridge | |
| CAM.935 | Metropolitan District Commission Swimming Pool | Charles River | Cambridge | |
| CAM.1320 | Metropolitan District Commission Clorination Plant | Charles River | Cambridge | |
| CAM.1325 | M. I. T. - Pierce, Harold Whitworth Boat House | Charles River | Cambridge | 1965 |
| CAM.1326 | M. I. T. - Wood, Walter C. Sailing Pavillion | Charles River | Cambridge | 1976 |
| CAM.1328 | Riverside Boat Club | Charles River | Cambridge | r 1910 |
| CAM.543 | Boardman, James Double House | Cherry St | Cambridge | 1843 |
| CAM.100 | Fuller, Margaret House | 71 Cherry St | Cambridge | 1806 |
| CAM.546 | | 87 Cherry St | Cambridge | c 1845 |
| CAM.545 | | 116-120 Cherry St | Cambridge | c 1845 |
| CAM.544 | Eaton, Jacob House | 128 Cherry St | Cambridge | c 1844 |
| CAM.542 | | 137-139 Cherry St | Cambridge | c 1840 |
| CAM.537 | | 149-151 Cherry St | Cambridge | c 1830 |
| CAM.538 | | 159-161 Cherry St | Cambridge | c 1830 |
| CAM.547 | | 167 Cherry St | Cambridge | 1850 |
| CAM.548 | | 169 Cherry St | Cambridge | 1850 |
| CAM.101 | Kingsley, Chester House | 10 Chester St | Cambridge | 1866 |
| CAM.518 | | 105 Chestnut St | Cambridge | 1875 |
| CAM.519 | | 111 Chestnut St | Cambridge | 1875 |
| CAM.102 | First Parish Church, Unitarian | 1-3 Church St | Cambridge | 1833 |
| CAM.103 | | 23-25 Church St | Cambridge | 1936 |
| CAM.1085 | | 26-28 Church St | Cambridge | 1857 |
| CAM.104 | | 27-29 Church St | Cambridge | 1922 |
| CAM.105 | Cambridge Police Station | 31-33 Church St | Cambridge | 1864 |
| CAM.1086 | Oxford Grill | 32-42 Church St | Cambridge | 1931 |
| CAM.1087 | Hancock - Torrey House | 53 Church St | Cambridge | 1827 |
| CAM.1088 | | 54-56 Church St | Cambridge | 1925 |
| CAM.1089 | | 59-63 Church St | Cambridge | 1949 |
| CAM.1377 | Cambridge Almshouse Caretaker's House | 36 Churchill Ave | Cambridge | c 1886 |
| CAM.106 | Gale, George House | 14-16 Clinton St | Cambridge | c 1853 |
| CAM.1387 | | 41-43 Columbia St | Cambridge | |
| CAM.107 | Beth Israel Synagogue | 238 Columbia St | Cambridge | 1901 |
| CAM.908 | Commercial Avenue Bridge over Lechmere Canal | Commercial Ave | Cambridge | 1907 |
| CAM.1318 | Metropolitan District Commission Stables | Commercial Ave | Cambridge | |
| CAM.336 | | 3 Concord Ave | Cambridge | 1915 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.337 | | 5 Concord Ave | Cambridge | c 1917 |
| CAM.108 | Howells, William Dean House | 37 Concord Ave | Cambridge | 1873 |
| CAM.1365 | Cambridge Home for the Aged and Infirm | 650 Concord Ave | Cambridge | 1928 |
| CAM.109 | Orne, Sarah House | 10 Coolidge Hill Rd | Cambridge | 1807 |
| CAM.110 | Coolidge, Josiah House | 24 Coolidge Hill Rd | Cambridge | c 1822 |
| CAM.111 | Holmes, Joseph House | 144 Coolidge Hill St | Cambridge | 1801 |
| CAM.600 | Coolidge, Flavel House | 2 Coolidge Pl | Cambridge | 1834 |
| CAM.1369 | Blessed Sacrament Roman Catholic Parish School | 12 Corporal McTernan St | Cambridge | 1924 |
| CAM.112 | Valentine Soap Workers' Cottage | 5-7 Cottage St | Cambridge | 1835 |
| CAM.1212 | Mather House - Harvard University | Cowperthwaite St | Cambridge | 1967 |
| CAM.113 | Birkhoff, George D. House | 22 Craigie St | Cambridge | r 1870 |
| CAM.114 | Ross, Denman House | 24-26 Craigie St | Cambridge | 1869 |
| CAM.115 | | 25 Craigie St | Cambridge | 1856 |
| CAM.116 | Horsford, Eben House | 27 Craigie St | Cambridge | 1854 |
| CAM.333 | Day, Anna House | 139 Cushing St | Cambridge | 1856 |
| CAM.117 | Colburn, Sara Foster House | 7 Dana St | Cambridge | 1841 |
| CAM.118 | University Museum | 11-25 Divinity Ave | Cambridge | 1859 |
| CAM.119 | Divinity Hall | 12 Divinity Ave | Cambridge | 1825 |
| CAM.120 | Biological Laboratory | 16 Divinity Ave | Cambridge | 1930 |
| CAM.121 | Second Cambridge Savings Bank Building | 11-21 Dunster St | Cambridge | 1897 |
| CAM.1090 | Union Railway Carbarn | 25-33 Dunster St | Cambridge | 1860 |
| CAM.1091 | Second D. U. Club | 45 Dunster St | Cambridge | 1930 |
| CAM.1092 | Metcalf, Eliab Wight House | 46 Dunster St | Cambridge | 1820 |
| CAM.1093 | Edwards, Abraham - Moore, Mary House | 53 Dunster St | Cambridge | 1841 |
| CAM.1094 | Alpha Sigma Phi Club | 54 Dunster St | Cambridge | 1900 |
| CAM.122 | Wyeth, Augustus House | 69 Dunster St | Cambridge | 1829 |
| CAM.1095 | | 71-77 Dunster St | Cambridge | 1894 |
| CAM.123 | | 42 Edward J. Lopez Ave | Cambridge | c 1830 |
| CAM.1096 | Hotel Packard | 10-14 Eliot St | Cambridge | 1869 |
| CAM.1097 | | 14A Eliot St | Cambridge | 1900 |
| CAM.1098 | | 16-18 Eliot St | Cambridge | 1898 |
| CAM.124 | Sands, Ivory House | 145 Elm St | Cambridge | 1839 |
| CAM.125 | Foster, Dr. House | 8 Elmwood Ave | Cambridge | 1893 |
| CAM.126 | Greenough, J. J. House | 9 Elmwood Ave | Cambridge | 1903 |
| CAM.127 | Smyth, Herbert House | 11-15 Elmwood Ave | Cambridge | 1903 |
| CAM.128 | Kempton, John House | 14 Elmwood Ave | Cambridge | 1895 |
| CAM.129 | | 20 Elmwood Ave | Cambridge | 1892 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.130 | Benson, Ruth House | 26 Elmwood Ave | Cambridge | 1899 |
| CAM.131 | Watson House | 30 Elmwood Ave | Cambridge | c 1750 |
| CAM.132 | Elmwood - Lowell, James Russell House | 33 Elmwood Ave | Cambridge | c 1767 |
| CAM.133 | Reardon, Edmund House | 195 Erie St | Cambridge | 1884 |
| CAM.1371 | Blessed Sacrament Roman Catholic Church Convent | 203 Erie St | Cambridge | 1954 |
| CAM.134 | Harvard Graduate Center | 10-26 Everett St | Cambridge | 1949 |
| CAM.135 | Jarvis, The | 27 Everett St | Cambridge | 1890 |
| CAM.136 | Newman, Andrew House | 23 Fairmont St | Cambridge | 1823 |
| CAM.713 | | 2-4 Farrar St | Cambridge | 1927 |
| CAM.714 | | 9 Farrar St | Cambridge | 1890 |
| CAM.715 | | 15 Farrar St | Cambridge | 1898 |
| CAM.716 | | 16 Farrar St | Cambridge | 1931 |
| CAM.717 | | 17 Farrar St | Cambridge | 1897 |
| CAM.718 | | 18-20 Farrar St | Cambridge | 1923 |
| CAM.719 | | 22 Farrar St | Cambridge | 1928 |
| CAM.720 | | 26 Farrar St | Cambridge | 1928 |
| CAM.137 | | 10-12 Farwell Pl | Cambridge | r 1870 |
| CAM.138 | Nichols House | 11 Farwell Pl | Cambridge | 1827 |
| CAM.139 | | 14-16 Farwell Pl | Cambridge | c 1855 |
| CAM.140 | Read, James House | 15 Farwell Pl | Cambridge | c 1772 |
| CAM.141 | Child, N. K. House | 17 Farwell Pl | Cambridge | 1835 |
| CAM.142 | | 18-20 Farwell Pl | Cambridge | c 1855 |
| CAM.143 | Christ Church Parish House | 19 Farwell Pl | Cambridge | 1948 |
| CAM.144 | Toppan House | 22-24 Farwell Pl | Cambridge | c 1900 |
| CAM.145 | Deane, Ezra - Williams, George House | 21-23 Fayette St | Cambridge | 1848 |
| CAM.146 | | 26-28 Fayette St | Cambridge | 1857 |
| CAM.430 | Cambridge Public Library - O'Connell Branch | Fifth St | Cambridge | 1938 |
| CAM.441 | | 69-71 Fifth St | Cambridge | |
| CAM.452 | Hall, Jesse House | 75 Fifth St | Cambridge | 1837 |
| CAM.428 | | 82 Fifth St | Cambridge | |
| CAM.429 | | 83 Fifth St | Cambridge | |
| CAM.1405 | Volpe Center - Center Service Building | 259 Fifth St | Cambridge | c 1965 |
| CAM.907 | First Street Bridge over Broad Canal | First St | Cambridge | 1924 |
| CAM.147 | Athenaeum Press Building | 215 First St | Cambridge | 1895 |
| CAM.910 | Fitchburg Railroad Signal Bridge | Fitchburg Railroad | Cambridge | c 1930 |
| CAM.148 | Abbot, Edwin House | 1 Follen St | Cambridge | 1889 |
| CAM.1271 | | 5 Follen St | Cambridge | 1853 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1273 | | 6 Follen St | Cambridge | 1868 |
| CAM.1338 | | 8 Follen St | Cambridge | 1871 |
| CAM.149 | Second Waterhouse House | 9 Follen St | Cambridge | 1844 |
| CAM.150 | | 10 Follen St | Cambridge | 1875 |
| CAM.1274 | | 13 Follen St | Cambridge | 1900 |
| CAM.151 | Richards, Theodore W. House | 15 Follen St | Cambridge | 1900 |
| CAM.1275 | | 19 Follen St | Cambridge | 1844 |
| CAM.1276 | | 20 Follen St | Cambridge | 1949 |
| CAM.1277 | | 21 Follen St | Cambridge | 1841 |
| CAM.1278 | | 22 Follen St | Cambridge | 1951 |
| CAM.1279 | | 25 Follen St | Cambridge | 1889 |
| CAM.152 | Clover Den - Mann, Mary House | 29 Follen St | Cambridge | 1837 |
| CAM.1280 | | 34 Follen St | Cambridge | 1946 |
| CAM.1281 | | 36 Follen St | Cambridge | 1847 |
| CAM.1282 | | 44 Follen St | Cambridge | 1862 |
| CAM.338 | Puritan Arms | 46-50 Follen St | Cambridge | 1940 |
| CAM.1331 | Homer - Lovell House | 11 Forest St | Cambridge | 1867 |
| CAM.153 | Francis, Ebenezer Houuse | 1 Francis Ave | Cambridge | 1836 |
| CAM.721 | | 6 Francis Ave | Cambridge | 1940 |
| CAM.722 | | 7 Francis Ave | Cambridge | 1894 |
| CAM.723 | | 8 Francis Ave | Cambridge | 1940 |
| CAM.724 | | 9 Francis Ave | Cambridge | c 1875 |
| CAM.725 | | 10 Francis Ave | Cambridge | 1894 |
| CAM.726 | | 11 Francis Ave | Cambridge | 1894 |
| CAM.1337 | | 12-14 Francis Ave | Cambridge | 1895 |
| CAM.727 | | 16 Francis Ave | Cambridge | 1906 |
| CAM.154 | Davis, William Morris House | 17 Francis Ave | Cambridge | r 1895 |
| CAM.728 | | 18 Francis Ave | Cambridge | 1911 |
| CAM.155 | Hyatt, Prof. Alpheus - Durant, Prof. Will B. House | 19 Francis Ave | Cambridge | 1889 |
| CAM.729 | | 21 Francis Ave | Cambridge | 1925 |
| CAM.730 | | 22 Francis Ave | Cambridge | 1912 |
| CAM.731 | | 23 Francis Ave | Cambridge | 1902 |
| CAM.732 | | 24 Francis Ave | Cambridge | 1906 |
| CAM.733 | | 30 Francis Ave | Cambridge | 1905 |
| CAM.734 | | 32 Francis Ave | Cambridge | 1903 |
| CAM.735 | Center for the Study of World Religions | 42 Francis Ave | Cambridge | 1959 |
| CAM.736 | | 44 Francis Ave | Cambridge | 1913 |
| CAM.737 | | 53 Francis Ave | Cambridge | 1913 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.738 | | 56 Francis Ave | Cambridge | 1914 |
| CAM.739 | | 57 Francis Ave | Cambridge | 1913 |
| CAM.740 | | 59 Francis Ave | Cambridge | 1916 |
| CAM.741 | | 60 Francis Ave | Cambridge | 1961 |
| CAM.742 | | 63 Francis Ave | Cambridge | 1913 |
| CAM.743 | Sert, Jose Luis House | 64 Francis Ave | Cambridge | 1957 |
| CAM.744 | | 65 Francis Ave | Cambridge | 1916 |
| CAM.745 | | 67 Francis Ave | Cambridge | 1926 |
| CAM.746 | | 68 Francis Ave | Cambridge | 1921 |
| CAM.747 | | 70 Francis Ave | Cambridge | 1879 |
| CAM.748 | | 73 Francis Ave | Cambridge | 1926 |
| CAM.749 | | 75-77 Francis Ave | Cambridge | 1925 |
| CAM.1329 | Kennedy, F. A. Steam Bakery | 129 Franklin St | Cambridge | 1875 |
| CAM.919 | Fresh Pond Lane over B & M Railroad | Fresh Pond Ln | Cambridge | 1926 |
| CAM.9014 | Fresh Pond Parkway | Fresh Pond Pkwy | Cambridge | 1899 |
| CAM.9015 | Fresh Pond Parkway - Concord Avenue Rotary Islands | Fresh Pond Pkwy | Cambridge | 1928 |
| CAM.9016 | Fresh Pond Parkway - New Street Rotary | Fresh Pond Pkwy | Cambridge | 1928 |
| CAM.9017 | Fresh Pond Parkway Tree Canopy | Fresh Pond Pkwy | Cambridge | r 1920 |
| CAM.9018 | Fresh Pond Parkway Median System | Fresh Pond Pkwy | Cambridge | c 1958 |
| CAM.156 | Wyeth - Eliot, Charles House | 17 Fresh Pond Pkwy | Cambridge | 1838 |
| CAM.157 | Frost, Walter House | 10 Frost St | Cambridge | 1807 |
| CAM.800 | Old Burying Ground | Garden St | Cambridge | r 1750 |
| CAM.940 | Milestone, 1767 | Garden St | Cambridge | 1734 |
| CAM.158 | Christ Church | 0 Garden St | Cambridge | 1760 |
| CAM.159 | Saunders, William House | 1 Garden St | Cambridge | 1821 |
| CAM.339 | | 2 Garden St | Cambridge | 1835 |
| CAM.340 | Howe, Sarah House | 3 Garden St | Cambridge | 1851 |
| CAM.160 | First Church in Cambridge Congregational | 11 Garden St | Cambridge | 1870 |
| CAM.341 | | 17-19 Garden St | Cambridge | 1926 |
| CAM.161 | Sears Tower - Harvard Observatory | 60 Garden St | Cambridge | 1843 |
| CAM.162 | Warner House | 63 Garden St | Cambridge | 1855 |
| CAM.163 | Gray, Asa House | 88 Garden St | Cambridge | 1810 |
| CAM.1240 | | 91 Garden St | Cambridge | 1922 |
| CAM.164 | Taylor Square Firehouse | 113 Garden St | Cambridge | 1904 |
| CAM.165 | Warren, H. Langford House | 6 Garden Terr | Cambridge | 1904 |
| CAM.671 | Rollins, John House | 16 Garfield St | Cambridge | 1891 |
| CAM.672 | Wood, Edward House | 18 Garfield St | Cambridge | 1886 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1336 | Shepherd, Herbert House | 31-33 Garfield St | Cambridge | 1886 |
| CAM.673 | Farquhar, Robert House | 34 Garfield St | Cambridge | 1890 |
| CAM.674 | Coon, Sarah House | 36 Garfield St | Cambridge | 1887 |
| CAM.666 | Shepherd, Edward House | 39 Garfield St | Cambridge | 1885 |
| CAM.675 | Thayer, Bertha House | 44 Garfield St | Cambridge | 1888 |
| CAM.667 | Estabrook, J. W. House | 45 Garfield St | Cambridge | 1886 |
| CAM.668 | Bartlett, A. S. House | 49 Garfield St | Cambridge | 1888 |
| CAM.676 | Green, Roscoe House | 54 Garfield St | Cambridge | 1890 |
| CAM.669 | Dewey House | 55 Garfield St | Cambridge | 1889 |
| CAM.677 | Worcester, George House | 58 Garfield St | Cambridge | 1890 |
| CAM.678 | Allen, Frank House | 64 Garfield St | Cambridge | 1891 |
| CAM.670 | Sullivan, Cornelius House | 67 Garfield St | Cambridge | 1889 |
| CAM.679 | Farnsworth, Charles House | 74 Garfield St | Cambridge | 1897 |
| CAM.680 | Ball, Elijah House | 80 Garfield St | Cambridge | 1887 |
| CAM.502 | Lechmere Point Corporation Row House | 47 Gore St | Cambridge | c 1821 |
| CAM.503 | Lechmere Point Corporation Row House | 49 Gore St | Cambridge | c 1821 |
| CAM.504 | Lechmere Point Corporation Row House | 51 Gore St | Cambridge | c 1821 |
| CAM.1407 | Carr, M. W. and Company Factory - Building #4 | 63 Gorham St | Cambridge | r 1920 |
| CAM.1241 | | 1 Gray Gardens East | Cambridge | 1925 |
| CAM.1242 | | 2 Gray Gardens East | Cambridge | 1930 |
| CAM.1243 | | 3 Gray Gardens East | Cambridge | 1923 |
| CAM.1244 | | 8 Gray Gardens East | Cambridge | 1923 |
| CAM.1245 | | 9 Gray Gardens East | Cambridge | 1922 |
| CAM.1246 | | 11 Gray Gardens East | Cambridge | 1924 |
| CAM.1247 | | 12 Gray Gardens East | Cambridge | 1922 |
| CAM.1248 | | 13 Gray Gardens East | Cambridge | 1925 |
| CAM.1249 | | 16 Gray Gardens East | Cambridge | 1922 |
| CAM.1250 | | 17 Gray Gardens East | Cambridge | 1958 |
| CAM.1251 | | 19 Gray Gardens East | Cambridge | 1927 |
| CAM.1252 | | 22 Gray Gardens East | Cambridge | 1962 |
| CAM.1253 | | 25 Gray Gardens East | Cambridge | 1926 |
| CAM.1254 | | 26 Gray Gardens East | Cambridge | 1922 |
| CAM.1255 | | 27 Gray Gardens East | Cambridge | 1923 |
| CAM.1256 | | 30 Gray Gardens East | Cambridge | 1928 |
| CAM.1257 | | 31 Gray Gardens East | Cambridge | 1924 |
| CAM.1258 | | 37 Gray Gardens East | Cambridge | 1923 |
| CAM.1259 | | 3 Gray Gardens West | Cambridge | 1923 |
| CAM.1260 | | 4 Gray Gardens West | Cambridge | 1922 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1261 | | 11 Gray Gardens West | Cambridge | 1923 |
| CAM.1262 | | 14 Gray Gardens West | Cambridge | 1924 |
| CAM.1263 | | 15 Gray Gardens West | Cambridge | 1929 |
| CAM.1264 | | 16 Gray Gardens West | Cambridge | 1925 |
| CAM.167 | Hall Tavern | 20 Gray Gardens West | Cambridge | r 1800 |
| CAM.1265 | | 24 Gray Gardens West | Cambridge | 1928 |
| CAM.166 | Frost, David House | 26 Gray St | Cambridge | 1815 |
| CAM.618 | | 133 Green St | Cambridge | c 1894 |
| CAM.624 | Raymond, T. H. Warehouse | 175 Green St | Cambridge | 1908 |
| CAM.1389 | | 205-207 Green St | Cambridge | |
| CAM.534 | Inman Square Fire Station | Hampshire St | Cambridge | 1912 |
| CAM.168 | Lamson, Rufus House | 72-74 Hampshire St | Cambridge | 1854 |
| CAM.1367 | Massachusetts Avenue Baptist Church | 146 Hampshire St | Cambridge | 1902 |
| CAM.169 | Opposition House | 2-4 Hancock Pl | Cambridge | 1807 |
| CAM.170 | | 104-106 Hancock St | Cambridge | 1839 |
| CAM.171 | Atwood, Ephraim House | 110 Hancock St | Cambridge | 1839 |
| CAM.536 | Fay, Samuel P. P. House | 172 Harvard St | Cambridge | 1805 |
| CAM.549 | Allen Block | 177-183 Harvard St | Cambridge | r 1875 |
| CAM.1354 | Courtney, Benjamin House | 273 Harvard St | Cambridge | 1867 |
| CAM.172 | Jones, William R. House | 307 Harvard St | Cambridge | 1865 |
| CAM.173 | Vinal, Albert House | 325 Harvard St | Cambridge | 1853 |
| CAM.681 | Melledge, James P. House | 335 Harvard St | Cambridge | 1850 |
| CAM.684 | Warner, Caleb House | 336 Harvard St | Cambridge | 1858 |
| CAM.682 | | 337 Harvard St | Cambridge | 1887 |
| CAM.685 | Frothingham, Amos House | 338 Harvard St | Cambridge | 1859 |
| CAM.686 | Goepper, William House | 340 Harvard St | Cambridge | 1897 |
| CAM.683 | | 341-343 Harvard St | Cambridge | 1855 |
| CAM.687 | Rindge, Samuel Baker House | 342-344 Harvard St | Cambridge | 1857 |
| CAM.174 | Bradbury, William F. House | 369 Harvard St | Cambridge | 1877 |
| CAM.175 | Hapgood, Richard House | 382-392 Harvard St | Cambridge | 1889 |
| CAM.176 | Ware Hall | 383 Harvard St | Cambridge | 1893 |
| CAM.1099 | Delta Upsilon Club | 396 Harvard St | Cambridge | 1914 |
| CAM.177 | Old Cambridge Baptist Church | 398 Harvard St | Cambridge | 1867 |
| CAM.193 | Austin Hall | Harvard University | Cambridge | 1881 |
| CAM.178 | Holden Chapel - Harvard University | Harvard Yard | Cambridge | 1764 |
| CAM.179 | Sever Hall | Harvard Yard | Cambridge | 1880 |
| CAM.180 | University Hall | Harvard Yard | Cambridge | 1812 |
| CAM.181 | Harvard Hall - Harvard University | Harvard Yard | Cambridge | 1764 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.182 | Hollis Hall - Harvard University | Harvard Yard | Cambridge | 1762 |
| CAM.183 | Massachusetts Hall | Harvard Yard | Cambridge | 1718 |
| CAM.184 | Weld Hall - Harvard University | Harvard Yard | Cambridge | 1870 |
| CAM.185 | Boylston Hall - Harvard University | Harvard Yard | Cambridge | 1857 |
| CAM.186 | Holworthy Hall - Harvard University | Harvard Yard | Cambridge | 1811 |
| CAM.187 | Grays Hall - Harvard University | Harvard Yard | Cambridge | 1862 |
| CAM.188 | Lehman Hall - Harvard University | Harvard Yard | Cambridge | 1924 |
| CAM.189 | Matthews House - Harvard University | Harvard Yard | Cambridge | 1871 |
| CAM.190 | Straus Hall - Harvard University | Harvard Yard | Cambridge | 1926 |
| CAM.191 | Thayer Hall - Harvard University | Harvard Yard | Cambridge | 1869 |
| CAM.192 | Wigglesworth Hall - Harvard University | Harvard Yard | Cambridge | 1930 |
| CAM.953 | Harvard University - 1857 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.954 | Harvard University - 1870 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.955 | Harvard University - 1873 Tablet | Harvard Yard | Cambridge | 1901 |
| CAM.956 | Harvard University - 1874 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.957 | Harvard University - 1875 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.958 | Harvard University - 1881 Gate | Harvard Yard | Cambridge | 1906 |
| CAM.959 | Harvard University - 1885 Gate | Harvard Yard | Cambridge | 1904 |
| CAM.960 | Harvard University - 1886 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.961 | Harvard University - 1887 Gate | Harvard Yard | Cambridge | 1906 |
| CAM.962 | Harvard University - 1888 Gate | Harvard Yard | Cambridge | 1906 |
| CAM.963 | Harvard University - 1889 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.964 | Harvard University - 1890 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.965 | Harvard University - 1880 Gate | Harvard Yard | Cambridge | 1902 |
| CAM.966 | Harvard University - Bradley Fountain | Harvard Yard | Cambridge | 1910 |
| CAM.967 | Harvard University - Chinese Steel | Harvard Yard | Cambridge | r 1810 |
| CAM.968 | Harvard University - Delivery Gate | Harvard Yard | Cambridge | 1948 |
| CAM.969 | Harvard University - Driveway Gate | Harvard Yard | Cambridge | 1948 |
| CAM.970 | Harvard University - 1908 Gate | Harvard Yard | Cambridge | 1936 |
| CAM.971 | Harvard University - Emerson Gate | Harvard Yard | Cambridge | 1936 |
| CAM.972 | Harvard University - Fire Station Gate | Harvard Yard | Cambridge | 1970 |
| CAM.973 | Harvard University - Hollis Pump | Harvard Yard | Cambridge | 1936 |
| CAM.974 | Harvard University - 1876 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.975 | Harvard University - Harvard, John Statue | Harvard Yard | Cambridge | 1884 |
| CAM.976 | Harvard University - Johnston Gate | Harvard Yard | Cambridge | 1889 |
| CAM.977 | Harvard University - Lamont Gate | Harvard Yard | Cambridge | 1948 |
| CAM.978 | Harvard University - Gatehouse | Harvard Yard | Cambridge | 1983 |
| CAM.979 | Harvard University - 1879 Gate | Harvard Yard | Cambridge | 1891 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.980 | Harvard University - Onion | Harvard Yard | Cambridge | 1965 |
| CAM.981 | Harvard University - Porcellian Gate | Harvard Yard | Cambridge | 1901 |
| CAM.982 | Harvard University - Reclining Figure | Harvard Yard | Cambridge | 1972 |
| CAM.983 | Harvard University - Robinson Gate | Harvard Yard | Cambridge | 1936 |
| CAM.984 | Harvard University - 1870 Sundial | Harvard Yard | Cambridge | 1901 |
| CAM.985 | Harvard University - 1877 Gate | Harvard Yard | Cambridge | 1901 |
| CAM.1214 | Harvard University - Canaday Hall | Harvard Yard | Cambridge | 1973 |
| CAM.1215 | Harvard University - Emerson Hall | Harvard Yard | Cambridge | 1904 |
| CAM.1216 | Harvard University - Houghton Library | Harvard Yard | Cambridge | 1941 |
| CAM.1217 | Harvard University - Lamont Library | Harvard Yard | Cambridge | 1947 |
| CAM.1218 | Harvard University - Lionel Hall | Harvard Yard | Cambridge | 1924 |
| CAM.1219 | Harvard University - Memorial Church | Harvard Yard | Cambridge | 1931 |
| CAM.1220 | Harvard University - Mower Hall | Harvard Yard | Cambridge | 1924 |
| CAM.1221 | Brooks, Phillips House - Harvard Univsersity | Harvard Yard | Cambridge | 1898 |
| CAM.1222 | Harvard University - Pusey Library | Harvard Yard | Cambridge | 1973 |
| CAM.1223 | Harvard University - Robinson Hall | Harvard Yard | Cambridge | 1900 |
| CAM.1224 | Harvard University - Stoughton Hall | Harvard Yard | Cambridge | 1804 |
| CAM.1227 | Harvard University - Widener Library | Harvard Yard | Cambridge | 1913 |
| CAM.520 | | 6 Hastings Sq | Cambridge | 1884 |
| CAM.1231 | Bates, Jacob H. House | 11 Hawthorn St | Cambridge | 1813 |
| CAM.194 | Daly, Reginald A. House | 23 Hawthorn St | Cambridge | c 1885 |
| CAM.195 | Wadsworth House | 31 Hawthorn St | Cambridge | r 1935 |
| CAM.196 | | 35 Hawthorn St | Cambridge | r 1935 |
| CAM.197 | Glaser, Dorothy Merriless House | 37 Hawthorn St | Cambridge | 1937 |
| CAM.198 | | 41 Hawthorn St | Cambridge | 1911 |
| CAM.199 | Maynardier, G. B. House | 43 Hawthorn St | Cambridge | 1900 |
| CAM.1232 | | 49 Hawthorn St | Cambridge | 1900 |
| CAM.521 | | 75 Henry St | Cambridge | 1892 |
| CAM.1343 | | 82-84 Henry St | Cambridge | |
| CAM.200 | Noyes, J. A. House | 1 Highland St | Cambridge | 1894 |
| CAM.796 | Usher, Samuel House | 11 Hillside Ave | Cambridge | 1887 |
| CAM.750 | | 11 Holden St | Cambridge | 1928 |
| CAM.751 | | 41 Holden St | Cambridge | 1840 |
| CAM.752 | | 45 Holden St | Cambridge | 1928 |
| CAM.1383 | Chadwick, Samuel E. House | 10 Hollis St | Cambridge | 1853 |
| CAM.1100 | Fly Club | 2 Holyoke Pl | Cambridge | c 1899 |
| CAM.1101 | | 9 Holyoke Pl | Cambridge | c 1930 |
| CAM.1197 | Lowell House - Harvard University | 10 Holyoke Pl | Cambridge | 1929 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1198 | Indoor Athletic Building - Harvard University | 35-41 Holyoke Pl | Cambridge | 1929 |
| CAM.1102 | | 8-10 Holyoke St | Cambridge | 1927 |
| CAM.201 | Hasty Pudding Club | 12 Holyoke St | Cambridge | 1887 |
| CAM.1103 | Apley Court | 16 Holyoke St | Cambridge | 1897 |
| CAM.1104 | Sawyer, Samuel F. House | 20 Holyoke St | Cambridge | 1818 |
| CAM.1105 | | 22 Holyoke St | Cambridge | 1956 |
| CAM.1106 | | 24 Holyoke St | Cambridge | 1963 |
| CAM.1107 | Owl Club | 30 Holyoke St | Cambridge | 1905 |
| CAM.1302 | | 2 Hubbard Pk | Cambridge | 1909 |
| CAM.1293 | | 3 Hubbard Pk | Cambridge | 1887 |
| CAM.1306 | Warren, John L. House | 5 Hubbard Pk | Cambridge | 1922 |
| CAM.1305 | Paine, George House | 6 Hubbard Pk | Cambridge | c 1918 |
| CAM.1295 | | 8 Hubbard Pk | Cambridge | 1888 |
| CAM.1301 | Nutting, Lillian House | 12 Hubbard Pk | Cambridge | 1908 |
| CAM.1297 | | 14 Hubbard Pk | Cambridge | 1892 |
| CAM.1304 | | 15 Hubbard Pk | Cambridge | 1914 |
| CAM.1303 | Beach, Revel W. House | 19 Hubbard Pk | Cambridge | 1913 |
| CAM.1298 | | 20 Hubbard Pk | Cambridge | 1892 |
| CAM.1299 | | 26 Hubbard Pk | Cambridge | 1894 |
| CAM.1296 | | 32 Hubbard Pk | Cambridge | 1890 |
| CAM.1346 | | 15 Humboldt St | Cambridge | |
| CAM.904 | Huron Avenue Bridge over B & M Railroad | Huron Ave | Cambridge | 1892 |
| CAM.202 | Syrian Orthodox Catholic Church of Saint Mary | 8 Inman St | Cambridge | 1822 |
| CAM.576 | Matthews Apartments | 12 Inman St | Cambridge | 1966 |
| CAM.1364 | Bennett, James House | 17 Inman St | Cambridge | 1871 |
| CAM.1349 | Luke Rowhouse | 19 Inman St | Cambridge | 1877 |
| CAM.1350 | Luke Rowhouse | 21 Inman St | Cambridge | 1877 |
| CAM.1351 | Luke Rowhouse | 21 1/2 Inman St | Cambridge | 1877 |
| CAM.203 | | 102-104 Inman St | Cambridge | 1845 |
| CAM.204 | | 106-108 Inman St | Cambridge | 1845 |
| CAM.205 | | 110-112 Inman St | Cambridge | 1845 |
| CAM.753 | | 80-82 Irving St | Cambridge | 1927 |
| CAM.754 | | 81 Irving St | Cambridge | 1916 |
| CAM.755 | | 84-86 Irving St | Cambridge | 1927 |
| CAM.756 | | 89 Irving St | Cambridge | 1916 |
| CAM.206 | James, William House | 95 Irving St | Cambridge | 1889 |
| CAM.757 | | 99 Irving St | Cambridge | 1889 |
| CAM.758 | | 103-103A Irving St | Cambridge | 1889 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.207 | cummings, e. e. House | 104 Irving St | Cambridge | 1893 |
| CAM.759 | Van Dael - DeSola Pool House | 105 Irving St | Cambridge | 1890 |
| CAM.760 | | 107 Irving St | Cambridge | 1891 |
| CAM.761 | | 109 Irving St | Cambridge | 1893 |
| CAM.762 | Davis, Robert House | 110 Irving St | Cambridge | 1889 |
| CAM.763 | | 114 Irving St | Cambridge | 1911 |
| CAM.764 | | 133 Irving St | Cambridge | 1963 |
| CAM.765 | American Academy of Arts and Sciences | 136 Irving St | Cambridge | 1980 |
| CAM.766 | | 138 Irving St | Cambridge | 1912 |
| CAM.297 | Radcliffe College - Schlesinger Library | James St | Cambridge | 1907 |
| CAM.950 | Winthrop Square Park | Kennedy St | Cambridge | 1631 |
| CAM.1108 | Abbott Building | 5 Kennedy St | Cambridge | 1908 |
| CAM.1109 | | 9-25 Kennedy St | Cambridge | 1887 |
| CAM.1110 | Farwell, Levi Tenant House | 10-14 Kennedy St | Cambridge | c 1820 |
| CAM.1111 | Read Block | 18-28 Kennedy St | Cambridge | 1885 |
| CAM.1112 | | 29-41 Kennedy St | Cambridge | 1971 |
| CAM.1113 | | 30 Kennedy St | Cambridge | 1936 |
| CAM.1114 | Garage, The | 34-42 Kennedy St | Cambridge | 1924 |
| CAM.1115 | Fox Club | 44 Kennedy St | Cambridge | 1906 |
| CAM.1116 | Drayton Hall | 48 Kennedy St | Cambridge | 1901 |
| CAM.1117 | | 50 Kennedy St | Cambridge | 1892 |
| CAM.1118 | | 52-54 Kennedy St | Cambridge | 1884 |
| CAM.1119 | Galeria | 55-57 Kennedy St | Cambridge | 1974 |
| CAM.1120 | | 56 Kennedy St | Cambridge | 1903 |
| CAM.1121 | S. A. E. Club | 60 Kennedy St | Cambridge | 1929 |
| CAM.1122 | | 63-65 Kennedy St | Cambridge | 1984 |
| CAM.1200 | Hicks, John House - Harvard University | 64 Kennedy St | Cambridge | 1762 |
| CAM.1199 | Smith Hall - Harvard University | 70-78 Kennedy St | Cambridge | 1913 |
| CAM.208 | Loring, Judge Edward - Peirce, Benjamin House | 4 Kirkland Pl | Cambridge | 1856 |
| CAM.688 | Merrill, John House | 9 Kirkland Pl | Cambridge | 1855 |
| CAM.689 | Shaw, Southworth House | 10 Kirkland Pl | Cambridge | 1856 |
| CAM.690 | Green, Louise House | 11 Kirkland Pl | Cambridge | 1921 |
| CAM.691 | Cutler, Isaac House | 12 Kirkland Pl | Cambridge | 1857 |
| CAM.692 | Cutler, George House | 13 Kirkland Pl | Cambridge | 1857 |
| CAM.693 | Ware House | 14 Kirkland Pl | Cambridge | 1839 |
| CAM.209 | Treadwell - Sparks House | 21 Kirkland St | Cambridge | 1838 |
| CAM.210 | Brooks, Luther House | 34 Kirkland St | Cambridge | 1840 |
| CAM.211 | Lovering, Joseph House | 38 Kirkland St | Cambridge | 1839 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.767 | | 49 Kirkland St | Cambridge | 1886 |
| CAM.768 | | 55 Kirkland St | Cambridge | 1927 |
| CAM.769 | | 57-59 Kirkland St | Cambridge | 1927 |
| CAM.212 | Eliot, Charles W. House | 61 Kirkland St | Cambridge | 1858 |
| CAM.213 | Child, Francis J. House | 67 Kirkland St | Cambridge | 1861 |
| CAM.9019 | Brown-Rhone, Jill Park | Lafayette Sq | Cambridge | 2007 |
| CAM.214 | Fresh Pond Hotel | 234 Lakeview Ave | Cambridge | 1796 |
| CAM.1013 | | 13 Lancaster St | Cambridge | c 1880 |
| CAM.1005 | | 16 Lancaster St | Cambridge | 1892 |
| CAM.1006 | | 18 Lancaster St | Cambridge | 1885 |
| CAM.1007 | | 24 Lancaster St | Cambridge | 1883 |
| CAM.1014 | Sawyer, Chester House | 27 Lancaster St | Cambridge | 1886 |
| CAM.1015 | Hovey, William B. House | 29 Lancaster St | Cambridge | 1887 |
| CAM.1008 | | 36 Lancaster St | Cambridge | 1886 |
| CAM.215 | Yerxa House and Carriage House | 37 Lancaster St | Cambridge | 1887 |
| CAM.216 | Larches, The | 22 Larch Rd | Cambridge | c 1808 |
| CAM.1317 | Metropolitan District Commission Boat House | Lechmere Canal | Cambridge | 1910 |
| CAM.217 | | 15-17 Lee St | Cambridge | 1856 |
| CAM.218 | Lowell, The | 33 Lexington Ave | Cambridge | 1900 |
| CAM.1123 | | 5-7 Linden St | Cambridge | c 1867 |
| CAM.1124 | Harvard Square Squash Court | 8-10 Linden St | Cambridge | 1908 |
| CAM.1125 | Delphic Club | 9 Linden St | Cambridge | 1902 |
| CAM.219 | Apthorp, Rev. East House | 10 Linden St | Cambridge | c 1760 |
| CAM.220 | Cooper - Frost - Austin House | 21 Linnaean St | Cambridge | 1681 |
| CAM.221 | Peabody Court Apartments | 41-43 Linnaean St | Cambridge | 1922 |
| CAM.1234 | Cambridge Friends Meetinghouse and Center | 5 Longfellow Pk | Cambridge | 1914 |
| CAM.1233 | | 6 Longfellow Pk | Cambridge | 1901 |
| CAM.222 | Lowell School | 25 Lowell St | Cambridge | 1883 |
| CAM.1319 | Magazine Beach Bath House | Magazine Beach | Cambridge | 1899 |
| CAM.223 | First Baptist Church, Cambridge | 5 Magazine St | Cambridge | 1881 |
| CAM.637 | Church Corners Apartments | 8-12 Magazine St | Cambridge | 1985 |
| CAM.510 | Pilgrim Congregational Church | 35 Magazine St | Cambridge | 1871 |
| CAM.511 | Hinman, Joseph House | 48 Magazine St | Cambridge | 1875 |
| CAM.512 | Brewer, Isaac D. - Pulsifer, William Double House | 50-52 Magazine St | Cambridge | 1852 |
| CAM.513 | Grace Methodist Church | 56 Magazine St | Cambridge | 1886 |
| CAM.224 | Flentje, Ernst House | 129 Magazine St | Cambridge | 1866 |
| CAM.991 | Shell Sign | 187 Magazine St | Cambridge | 1933 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.87 | Kendall Square Subway Station | Main St | Cambridge | 1912 |
| CAM.225 | Kendall Square Substation | Main St | Cambridge | 1911 |
| CAM.1308 | Davenport - Allen and Endicott Factory Headhouse | Main St | Cambridge | 1882 |
| CAM.1309 | Davenport - Allen and Endicott Factory East Wing | Main St | Cambridge | 1848 |
| CAM.1335 | Luke Building | 135-145 Main St | Cambridge | 1874 |
| CAM.1384 | Engine House No. 7 | 350 Main St | Cambridge | c 1895 |
| CAM.328 | Union #2 Engine House | 787-789 Main St | Cambridge | 1852 |
| CAM.609 | Bright Building | 853 Main St | Cambridge | 1898 |
| CAM.608 | Wentworth Building | 859-863 Main St | Cambridge | 1897 |
| CAM.610 | Union Baptist Church | 872 Main St | Cambridge | 1882 |
| CAM.607 | Mellen Building | 875 Main St | Cambridge | 1897 |
| CAM.606 | Andelman, Ezra Building | 877-881 Main St | Cambridge | 1941 |
| CAM.611 | Sawyer, Charles Tenement | 882-884 Main St | Cambridge | c 1873 |
| CAM.605 | Whitney, Lucretia and Henry Building | 893-907 Main St | Cambridge | 1870 |
| CAM.703 | | 6 Maple Ave | Cambridge | |
| CAM.694 | Stevens, Charles B. House | 8 Maple Ave | Cambridge | 1873 |
| CAM.704 | | 12 Maple Ave | Cambridge | |
| CAM.705 | | 14-16 Maple Ave | Cambridge | |
| CAM.702 | | 15 Maple Ave | Cambridge | |
| CAM.701 | | 19 Maple Ave | Cambridge | |
| CAM.697 | Webster, Francis B. House | 20 Maple Ave | Cambridge | 1861 |
| CAM.695 | Hall, Lewis House | 23 Maple Ave | Cambridge | 1867 |
| CAM.706 | | 24 Maple Ave | Cambridge | |
| CAM.700 | | 25 Maple Ave | Cambridge | r 1920 |
| CAM.707 | | 26 Maple Ave | Cambridge | |
| CAM.699 | | 27 Maple Ave | Cambridge | |
| CAM.698 | | 29 Maple Ave | Cambridge | |
| CAM.696 | Munroe, Philip House | 31 Maple Ave | Cambridge | 1887 |
| CAM.226 | Mason, Josiah Jr. House | 11 Market St | Cambridge | 1831 |
| CAM.295 | Radcliffe College Gymnasium | Mason St | Cambridge | 1898 |
| CAM.296 | Radcliffe College - Agassiz House | Mason St | Cambridge | 1904 |
| CAM.227 | Norton House Ell | 4 Mason St | Cambridge | 1847 |
| CAM.228 | | 6-12 Mason St | Cambridge | |
| CAM.260 | M. I. T. Alumni Swimming Pool Building | Massachusetts Ave | Cambridge | 1940 |
| CAM.261 | Kresge Auditorium | Massachusetts Ave | Cambridge | 1953 |
| CAM.262 | M. I. T. Chapel | Massachusetts Ave | Cambridge | 1954 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.901 | Harvard Square Subway Kiosk | Massachusetts Ave | Cambridge | 1928 |
| CAM.905 | Massachusetts Avenue Bridge over Conrail | Massachusetts Ave | Cambridge | 1900 |
| CAM.916 | Central Square Subway Station | Massachusetts Ave | Cambridge | 1912 |
| CAM.921 | Harvard Bridge | Massachusetts Ave | Cambridge | r 1890 |
| CAM.938 | Cambridge Common | Massachusetts Ave | Cambridge | 1631 |
| CAM.939 | Cambridge Common South Traffic Island | Massachusetts Ave | Cambridge | 1976 |
| CAM.945 | Burying Ground Fence | Massachusetts Ave | Cambridge | 1891 |
| CAM.946 | Flagstaff Park | Massachusetts Ave | Cambridge | 1913 |
| CAM.947 | North Little Common | Massachusetts Ave | Cambridge | c 1858 |
| CAM.949 | Central Square Street Pattern | Massachusetts Ave | Cambridge | c 1630 |
| CAM.334 | Cambridge Armory | 120 Massachusetts Ave | Cambridge | 1902 |
| CAM.332 | Metropolitan Storage Warehouse | 134 Massachusetts Ave | Cambridge | 1895 |
| CAM.1366 | New England Confectionery Company Factory | 250 Massachusetts Ave | Cambridge | 1927 |
| CAM.612 | Lamson, The | 351-355 Massachusetts Ave | Cambridge | 1907 |
| CAM.614 | Lafayette Square Fire Station | 378 Massachusetts Ave | Cambridge | 1893 |
| CAM.613 | Shell Gas Station | 385 Massachusetts Ave | Cambridge | 1948 |
| CAM.615 | Salvation Army - Cambridge Citadel | 400-402 Massachusetts Ave | Cambridge | 1968 |
| CAM.604 | | 401-409 Massachusetts Ave | Cambridge | 1966 |
| CAM.603 | Taylor, William A. House and Shop | 411-413 Massachusetts Ave | Cambridge | 1887 |
| CAM.602 | Barkin and Gorfinkle Building | 415-429 Massachusetts Ave | Cambridge | 1925 |
| CAM.616 | Kennedy, Frank A. Store | 424 Massachusetts Ave | Cambridge | 1896 |
| CAM.617 | Kutz, Issac Store | 428 Massachusetts Ave | Cambridge | c 1910 |
| CAM.229 | Kennedy, The | 430-442 Massachusetts Ave | Cambridge | 1890 |
| CAM.601 | Robbins Building | 433-447 Massachusetts Ave | Cambridge | 1923 |
| CAM.619 | Blanchard Building | 448-450 Massachusetts Ave | Cambridge | c 1886 |
| CAM.324 | South Row | 452-458 Massachusetts Ave | Cambridge | 1807 |
| CAM.1393 | Dana Row - South Row | 452-458 Massachusetts Ave | Cambridge | 2003 |
| CAM.599 | Rogers, F. W. and G. M. Building | 453-457 Massachusetts Ave | Cambridge | 1885 |
| CAM.620 | Freedman Building | 460-464 Massachusetts Ave | Cambridge | 1933 |
| CAM.598 | McDonald's Restaurant | 463-467 Massachusetts Ave | Cambridge | 1974 |
| CAM.621 | Central Square Realty Trust Building | 468-480 Massachusetts Ave | Cambridge | 1929 |
| CAM.597 | Moller's Furniture Store | 485 Massachusetts Ave | Cambridge | 1926 |
| CAM.622 | Longfellow, The | 492-498 Massachusetts Ave | Cambridge | 1893 |
| CAM.596 | Kane's Furniture Store | 493-507 Massachusetts Ave | Cambridge | 1916 |
| CAM.625 | Burger King Restaraunt | 506 Massachusetts Ave | Cambridge | 1970 |
| CAM.1394 | Hovey, Phineas Building | 512-514 Massachusetts Ave | Cambridge | 1842 |
| CAM.595 | Central Trust Building | 515-527 Massachusetts Ave | Cambridge | 1927 |
| CAM.627 | Miller Store | 520 Massachusetts Ave | Cambridge | 1924 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.628 | Rosenwald Realty Corporation Building | 522-526 Massachusetts Ave | Cambridge | 1928 |
| CAM.230 | Odd Fellows Hall | 536 Massachusetts Ave | Cambridge | 1884 |
| CAM.629 | Clark - Lamb Building | 546-550 Massachusetts Ave | Cambridge | c 1873 |
| CAM.630 | Albani Building | 552-566 Massachusetts Ave | Cambridge | 1925 |
| CAM.592 | Bullock, Charles Building | 567-569 Massachusetts Ave | Cambridge | 1859 |
| CAM.591 | Central Square Theater | 571-577 Massachusetts Ave | Cambridge | 1917 |
| CAM.631 | Ginsberg Building - Harvard Bazar | 572-590 Massachusetts Ave | Cambridge | 1913 |
| CAM.590 | Morse, Asa P. Building | 579-587 Massachusetts Ave | Cambridge | 1893 |
| CAM.589 | Cambridgeport National Bank Building | 593-597 Massachusetts Ave | Cambridge | 1869 |
| CAM.632 | Manhattan Market - Purity Supreme Super Market | 596-610 Massachusetts Ave | Cambridge | 1899 |
| CAM.588 | Morse, Asa Second Building | 599-601 Massachusetts Ave | Cambridge | 1905 |
| CAM.587 | Fisk and Coleman Building | 603-605 Massachusetts Ave | Cambridge | 1892 |
| CAM.633 | Prospect House | 614-620 Massachusetts Ave | Cambridge | 1869 |
| CAM.586 | Corcoran, John H. Building | 615-627 Massachusetts Ave | Cambridge | 1927 |
| CAM.634 | Holmes Block I | 624-638 Massachusetts Ave | Cambridge | 1915 |
| CAM.1395 | New Holmes Block | 624-638 Massachusetts Ave | Cambridge | 1998 |
| CAM.585 | Woolworth, F. W. Building | 633-641 Massachusetts Ave | Cambridge | 1950 |
| CAM.584 | Watriss Building | 643-649 Massachusetts Ave | Cambridge | 1880 |
| CAM.583 | Dowse, Thomas House | 653-655 Massachusetts Ave | Cambridge | 1814 |
| CAM.581 | New England Gas and Electric Association II Bldg | 671-675 Massachusetts Ave | Cambridge | 1966 |
| CAM.642 | Central Square Building | 674 Massachusetts Ave | Cambridge | 1926 |
| CAM.643 | Chamberlain - Hyde Building | 684-688 Massachusetts Ave | Cambridge | 1869 |
| CAM.580 | Cambridgeport Savings Bank | 689 Massachusetts Ave | Cambridge | 1904 |
| CAM.644 | Dana Building | 692-698 Massachusetts Ave | Cambridge | 1872 |
| CAM.645 | Southwick Building | 700-706 Massachusetts Ave | Cambridge | 1908 |
| CAM.646 | Norris Building | 710-720 Massachusetts Ave | Cambridge | 1916 |
| CAM.579 | Cambridge Electric Light Building | 719 Massachusetts Ave | Cambridge | 1912 |
| CAM.647 | Thayer Building I | 722-724 Massachusetts Ave | Cambridge | 1863 |
| CAM.648 | Thayer Building II | 728-730 Massachusetts Ave | Cambridge | 1868 |
| CAM.578 | Southwick Building | 731-751 Massachusetts Ave | Cambridge | 1896 |
| CAM.649 | Dobbins and Draper Store | 736-750 Massachusetts Ave | Cambridge | 1922 |
| CAM.650 | Dobbins and Draper Store | 736-750 Massachusetts Ave | Cambridge | 1922 |
| CAM.231 | Cambridge Mutual Fire Insurance Company Building | 763 Massachusetts Ave | Cambridge | 1888 |
| CAM.232 | Central Square Post Office | 770 Massachusetts Ave | Cambridge | 1933 |
| CAM.233 | Cambridge City Hall | 795 Massachusetts Ave | Cambridge | 1889 |
| CAM.651 | Cambridge Senior Center | 800-806 Massachusetts Ave | Cambridge | 1925 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.652 | Young Men's Christian Association Building | 820-830 Massachusetts Ave | Cambridge | 1896 |
| CAM.1396 | Brusch Medical Center | 825-831 Massachusetts Ave | Cambridge | 1951 |
| CAM.653 | Saint Peter's Episcopal Church | 834 Massachusetts Ave | Cambridge | 1867 |
| CAM.654 | Modern Manor Apartments | 842-864 Massachusetts Ave | Cambridge | 1925 |
| CAM.900 | Houghton Beech Tree | 1000 Massachusetts Ave | Cambridge | |
| CAM.1127 | Brentford Hall | 1137 Massachusetts Ave | Cambridge | 1899 |
| CAM.1128 | Dunham, Israel Houses | 1156-1166 Massachusetts Ave | Cambridge | 1858 |
| CAM.1129 | | 1168 Massachusetts Ave | Cambridge | c 1892 |
| CAM.1130 | | 1170-1174 Massachusetts Ave | Cambridge | c 1849 |
| CAM.1131 | Longfellow Court | 1200 Massachusetts Ave | Cambridge | 1916 |
| CAM.1132 | Gulf Gas Station | 1201 Massachusetts Ave | Cambridge | 1940 |
| CAM.1133 | | 1206 Massachusetts Ave | Cambridge | 1965 |
| CAM.1134 | | 1208-1210 Massachusetts Ave | Cambridge | 1842 |
| CAM.1135 | Quincy Hall | 1218 Massachusetts Ave | Cambridge | 1891 |
| CAM.1136 | | 1230 Massachusetts Ave | Cambridge | 1907 |
| CAM.1137 | | 1234-1238 Massachusetts Ave | Cambridge | c 1894 |
| CAM.1138 | Hamden Hall | 1246-1260 Massachusetts Ave | Cambridge | 1902 |
| CAM.1139 | A. D. Club | 1268-1270 Massachusetts Ave | Cambridge | 1899 |
| CAM.1140 | Niles Building | 1280 Massachusetts Ave | Cambridge | 1984 |
| CAM.234 | Fairfax, The | 1300-1306 Massachusetts Ave | Cambridge | 1869 |
| CAM.1141 | Fairfax - Hilton Block | 1310-1312 Massachusetts Ave | Cambridge | 1883 |
| CAM.1142 | Fairfax - Hilton Block | 1316 Massachusetts Ave | Cambridge | 1885 |
| CAM.235 | Porcellian Club | 1320-1324 Massachusetts Ave | Cambridge | 1890 |
| CAM.1143 | Manter Hall | 1325 Massachusetts Ave | Cambridge | 1885 |
| CAM.236 | Wadsworth House | 1341 Massachusetts Ave | Cambridge | 1726 |
| CAM.237 | Holyoke Center | 1350 Massachusetts Ave | Cambridge | 1961 |
| CAM.1144 | Cambridge Savings Bank | 1372-1376 Massachusetts Ave | Cambridge | 1923 |
| CAM.1145 | Read, Joseph Stacey House | 1380-1382 Massachusetts Ave | Cambridge | c 1783 |
| CAM.1146 | Bartlett, Joseph House | 1384-1392 Massachusetts Ave | Cambridge | c 1800 |
| CAM.1147 | Harvard Coop Society | 1400 Massachusetts Ave | Cambridge | 1924 |
| CAM.1148 | Harvard Coop Society | 1408-1410 Massachusetts Ave | Cambridge | 1956 |
| CAM.1149 | Harvard Trust Company | 1414 Massachusetts Ave | Cambridge | 1923 |
| CAM.1150 | College House | 1420-1442 Massachusetts Ave | Cambridge | 1832 |
| CAM.342 | Gannett House | 1511 Massachusetts Ave | Cambridge | 1838 |
| CAM.343 | Hemenway Gymnasium | 1517 Massachusetts Ave | Cambridge | 1938 |
| CAM.344 | Hastings Hall | 1519 Massachusetts Ave | Cambridge | 1888 |
| CAM.345 | Harvard Epworth Methodist Church | 1555 Massachusetts Ave | Cambridge | 1891 |
| CAM.1334 | Francis - Allyn House | 1564 Massachusetts Ave | Cambridge | 1831 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1333 | Sawin - Cobb - Wilson House | 1626 Massachusetts Ave | Cambridge | 1868 |
| CAM.238 | Saunders, Charles Hicks House | 1627 Massachusetts Ave | Cambridge | 1862 |
| CAM.239 | Montrose, The | 1648 Massachusetts Ave | Cambridge | 1898 |
| CAM.240 | Dunvegan, The | 1654 Massachusetts Ave | Cambridge | 1898 |
| CAM.241 | Worcester, Frederick House | 1734 Massachusetts Ave | Cambridge | 1886 |
| CAM.242 | North Avenue Congregational Church | 1803 Massachusetts Ave | Cambridge | 1845 |
| CAM.243 | Lovell Block | 1853 Massachusetts Ave | Cambridge | 1882 |
| CAM.1385 | Cambridge Masonic Temple | 1950 Massachusetts Ave | Cambridge | 1910 |
| CAM.244 | Saint James Episcopal Church | 1991 Massachusetts Ave | Cambridge | 1888 |
| CAM.245 | Henderson Carriage Repository | 2067-2089 Massachusetts Ave | Cambridge | 1892 |
| CAM.246 | Cornerstone Baptist Church | 2114 Massachusetts Ave | Cambridge | 1854 |
| CAM.247 | Mead, Alpheus House | 2200 Massachusetts Ave | Cambridge | 1867 |
| CAM.248 | Snow, Daniel House | 2210 Massachusetts Ave | Cambridge | 1868 |
| CAM.249 | McLean, Isaac House | 2218 Massachusetts Ave | Cambridge | 1894 |
| CAM.250 | Farwell, R. H. Double House | 2222-2224 Massachusetts Ave | Cambridge | 1891 |
| CAM.251 | Saint John's Roman Catholic Church | 2270 Massachusetts Ave | Cambridge | 1904 |
| CAM.1390 | | 2557 Massachusetts Ave | Cambridge | |
| CAM.1376 | Matignon Central Catholic High School | 1 Matignon Rd | Cambridge | 1946 |
| CAM.1375 | Immaculate Conception Catholic Church Convent | 33 Matignon Rd | Cambridge | 1954 |
| CAM.252 | Cambridge Almshouse | 45 Matignon Rd | Cambridge | 1850 |
| CAM.1374 | Cambridge Almshouse Dormitory | 45 Matignon Rd | Cambridge | c 1887 |
| CAM.566 | M. I. T. - Pierce, Henry L. Engineering Laboratory | Memorial Dr | Cambridge | 1913 |
| CAM.567 | M. I. T. - Buildings #2 and #8 | Memorial Dr | Cambridge | 1913 |
| CAM.568 | M. I. T. - Pratt School of Naval Architecture | Memorial Dr | Cambridge | 1919 |
| CAM.569 | M. I. T. - Homburg Infirmary | Memorial Dr | Cambridge | 1927 |
| CAM.570 | M. I. T. - Eastman, George Research Laboratories | Memorial Dr | Cambridge | 1931 |
| CAM.571 | M. I. T. - Rogers, William Barton Building | Memorial Dr | Cambridge | 1937 |
| CAM.572 | M. I. T. - Walker Memorial | Memorial Dr | Cambridge | 1913 |
| CAM.573 | M. I. T. - President's House | Memorial Dr | Cambridge | 1913 |
| CAM.574 | M. I. T. - Senior House | Memorial Dr | Cambridge | 1913 |
| CAM.575 | M. I. T. - Hayden Library | Memorial Dr | Cambridge | 1949 |
| CAM.930 | Memorial Drive | Memorial Dr | Cambridge | 1896 |
| CAM.933 | M. I. T. Memorial Underpass | Memorial Dr | Cambridge | 1931 |
| CAM.934 | Reid, William J. Overpass | Memorial Dr | Cambridge | 1939 |
| CAM.1332 | Little, Arthur D. Inc. Building | Memorial Dr | Cambridge | 1917 |
| CAM.1398 | Lever Brothers Company Administration Building | 50 Memorial Dr | Cambridge | 1938 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.253 | | 100 Memorial Dr | Cambridge | 1950 |
| CAM.254 | M. I. T. Main Courtyard | 182-226 Memorial Dr | Cambridge | 1913 |
| CAM.255 | Riverbank Court Hotel | 305 Memorial Dr | Cambridge | 1900 |
| cam.256 | Baker House | 362 Memorial Dr | Cambridge | 1947 |
| CAM.1327 | Boston University Boat House | 619 Memorial Dr | Cambridge | 1913 |
| CAM.257 | B & B Chemical Company | 780 Memorial Dr | Cambridge | 1937 |
| CAM.258 | Peabody Terrace | 900 Memorial Dr | Cambridge | 1958 |
| CAM.1201 | Dunster House - Harvard University | 945 Memorial Dr | Cambridge | 1929 |
| CAM.1202 | Gore Hall - Harvard University | 960 Memorial Dr | Cambridge | 1913 |
| CAM.1203 | Standish Hall - Harvard University | 966 Memorial Dr | Cambridge | 1913 |
| CAM.1204 | Eliot House - Harvard University | 967 Memorial Dr | Cambridge | 1930 |
| CAM.1324 | Harvard University - Weld Boat House | 971 Memorial Dr | Cambridge | 1906 |
| CAM.259 | Conventual Church of Saint Mary and Saint John | 980 Memorial Dr | Cambridge | 1936 |
| CAM.1267 | Radnor Hall | 983-984 Memorial Dr | Cambridge | 1916 |
| CAM.1268 | Hampstead Hall | 985-986 Memorial Dr | Cambridge | 1916 |
| CAM.1269 | Barrington Court | 987-989 Memorial Dr | Cambridge | 1924 |
| CAM.1270 | Strathcona-on-the-Charles | 992-993 Memorial Dr | Cambridge | 1914 |
| CAM.1300 | | 2 Mercer Cir | Cambridge | 1894 |
| CAM.1287 | | 3 Mercer Cir | Cambridge | 1885 |
| CAM.1288 | | 4 Mercer Cir | Cambridge | 1885 |
| CAM.1294 | | 5 Mercer Cir | Cambridge | 1887 |
| CAM.1291 | | 6 Mercer Cir | Cambridge | 1886 |
| CAM.1307 | Harris, William F. House | 7 Mercer Cir | Cambridge | 1922 |
| CAM.1289 | | 8 Mercer Cir | Cambridge | 1885 |
| CAM.1292 | | 9 Mercer Cir | Cambridge | 1886 |
| CAM.1151 | | 11-15 Mifflin Pl | Cambridge | 1901 |
| CAM.1152 | | 12-14 Mifflin Pl | Cambridge | 1913 |
| CAM.1153 | | 17-19 Mifflin Pl | Cambridge | 1972 |
| CAM.1205 | McKinlock Hall - Harvard University | 8 Mill St | Cambridge | 1926 |
| CAM.1206 | Leverett House Library and Towers - Harvard Univ. | 14-18 Mill St | Cambridge | 1958 |
| CAM.263 | Cambridge Neighborhood House | 79 Moore St | Cambridge | c 1821 |
| CAM.264 | Reversible Collar Company Building | 25-27 Mount Auburn St | Cambridge | 1860 |
| CAM.1154 | Saint Paul's Rectory | 32-36 Mount Auburn St | Cambridge | 1924 |
| CAM.1155 | Speakers Club | 43-45 Mount Auburn St | Cambridge | 1845 |
| CAM.1156 | | 45 1/2 Mount Auburn St | Cambridge | 1971 |
| CAM.1157 | | 47-49 Mount Auburn St | Cambridge | 1926 |
| CAM.1158 | Claverly Hall | 63 Mount Auburn St | Cambridge | 1892 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1159 | | 65R Mount Auburn St | Cambridge | 1957 |
| CAM.1160 | Ridgely Hall | 65 Mount Auburn St | Cambridge | 1904 |
| CAM.1161 | Manter Hall School | 71-77 Mount Auburn St | Cambridge | 1927 |
| CAM.1162 | Phoenix - S. K. Club | 72 Mount Auburn St | Cambridge | 1915 |
| CAM.1163 | Iroquois Club | 74 Mount Auburn St | Cambridge | 1916 |
| CAM.1164 | Spee Club | 76 Mount Auburn St | Cambridge | 1931 |
| CAM.1165 | Willard, Lucy House | 78 Mount Auburn St | Cambridge | 1839 |
| CAM.1166 | | 90 Mount Auburn St | Cambridge | 1971 |
| CAM.1167 | | 92-96 Mount Auburn St | Cambridge | 1895 |
| CAM.1168 | | 95-97 Mount Auburn St | Cambridge | 1920 |
| CAM.1169 | | 99 Mount Auburn St | Cambridge | c 1919 |
| CAM.1170 | Cantabrigia Club | 100 Mount Auburn St | Cambridge | c 1919 |
| CAM.1171 | | 102 Mount Auburn St | Cambridge | 1869 |
| CAM.1172 | | 104 Mount Auburn St | Cambridge | 1983 |
| CAM.1173 | | 110 Mount Auburn St | Cambridge | 1959 |
| CAM.9 | Boston Elevated Railway Division 7 Headquarters | 112 Mount Auburn St | Cambridge | c 1911 |
| CAM.1175 | Trinity Hall | 114-120 Mount Auburn St | Cambridge | 1892 |
| CAM.1177 | Waverly Hall | 115 Mount Auburn St | Cambridge | 1902 |
| CAM.1178 | | 119-123 Mount Auburn St | Cambridge | 1988 |
| CAM.1176 | | 120R Mount Auburn St | Cambridge | 1982 |
| CAM.1126 | U. S. Post Office - Cambridge Branch | 125 Mount Auburn St | Cambridge | 1953 |
| CAM.791 | | 151 Mount Auburn St | Cambridge | 1853 |
| CAM.792 | | 153 Mount Auburn St | Cambridge | 1874 |
| CAM.789 | | 154 Mount Auburn St | Cambridge | 1852 |
| CAM.790 | | 156-158 Mount Auburn St | Cambridge | 1856 |
| CAM.265 | | 173 Mount Auburn St | Cambridge | r 1905 |
| CAM.266 | | 175 Mount Auburn St | Cambridge | r 1895 |
| CAM.267 | | 259 Mount Auburn St | Cambridge | c 1850 |
| CAM.268 | Mount Auburn Hospital - Surgical Building | 330 Mount Auburn St | Cambridge | 1897 |
| CAM.269 | Mount Auburn Hospital - Main Building | 330 Mount Auburn St | Cambridge | 1886 |
| CAM.801 | Mount Auburn Cemetery | 580 Mount Auburn St | Cambridge | 1831 |
| CAM.936 | Mount Auburn Cemetery Fence and Gates | 580 Mount Auburn St | Cambridge | 1843 |
| CAM.992 | Mount Auburn Cemetery - Copenhagen, Maria Angel | 580 Mount Auburn St | Cambridge | 1872 |
| CAM.270 | Mount Auburn Cemetery Reception House | 583 Mount Auburn St | Cambridge | 1870 |
| CAM.1330 | DeRosay - McNamee House | 50 Mount Vernon St | Cambridge | 1896 |
| CAM.557 | | 1-2 Norfolk Pl | Cambridge | 1844 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.558 | | 3 Norfolk Pl | Cambridge | 1846 |
| CAM.593 | Powers, Hannah - Ginsberg, Harris Building | 7-15 Norfolk St | Cambridge | c 1894 |
| CAM.562 | Hotel Norfolk | 30 Norfolk St | Cambridge | 1886 |
| CAM.560 | | 51 Norfolk St | Cambridge | c 1885 |
| CAM.561 | | 59 Norfolk St | Cambridge | 1886 |
| CAM.554 | | 65-67 Norfolk St | Cambridge | 1844 |
| CAM.559 | Pollard, John House | 68-72 Norfolk St | Cambridge | 1859 |
| CAM.552 | | 69 Norfolk St | Cambridge | 1843 |
| CAM.555 | | 71-73 Norfolk St | Cambridge | 1844 |
| CAM.556 | | 75-77 Norfolk St | Cambridge | 1844 |
| CAM.551 | Fuller, Robert House | 79 Norfolk St | Cambridge | 1843 |
| CAM.553 | | 87 Norfolk St | Cambridge | 1843 |
| CAM.563 | Hotel Franklin | 90 Norfolk St | Cambridge | 1886 |
| CAM.1392 | Saint Mary of the Annunciation Catholic Church | 134 Norfolk St | Cambridge | r 1865 |
| CAM.550 | | 1-2 Norfolk Terr | Cambridge | 1839 |
| CAM.913 | East Cambridge Viaduct - Lechmere Viaduct | O'Brien Hwy | Cambridge | 1910 |
| CAM.9020 | Boston and Lowell Railroad Retaining Wall | O'Brien Hwy | Cambridge | c 1857 |
| CAM.349 | Lockhart, William L. Coffin Factory Warehouse | 195-199 O'Brien Hwy | Cambridge | 1873 |
| CAM.271 | Barnes, James B. House | 200 O'Brien Hwy | Cambridge | 1824 |
| CAM.348 | Lockhart, William L. Coffin Factory Main Building | 201 O'Brien Hwy | Cambridge | r 1870 |
| CAM.272 | Lockart, William L. Company Building | 209 O'Brien Hwy | Cambridge | c 1859 |
| CAM.1400 | Morrell, John and Company Branch House | 221 O'Brien Hwy | Cambridge | 1929 |
| CAM.1399 | Whitehead Metal Products Company | 225 O'Brien Hwy | Cambridge | 1929 |
| CAM.273 | Aborn, John House | 41 Orchard St | Cambridge | 1846 |
| CAM.274 | Billings, Frederick House | 45 Orchard St | Cambridge | 1846 |
| CAM.1310 | Davenport - Allen and Endicott Factory West Wing | Osborn St | Cambridge | 1848 |
| CAM.1311 | Davenport - Allen Factory West Wing Extension | Osborn St | Cambridge | 1848 |
| CAM.1312 | Allen and Endicott Factory Extension | Osborn St | Cambridge | 1896 |
| CAM.1313 | Allen and Endicott Factory Extension | Osborn St | Cambridge | 1896 |
| CAM.461 | Putnam School | Otis St | Cambridge | 1889 |
| CAM.465 | Saint Hedwig's Parish Church | Otis St | Cambridge | 1939 |
| CAM.468 | Otis Hospital | Otis St | Cambridge | |
| CAM.371 | Woodbury, James A. - Geldowsky, Ferdinand Building | 2-28 Otis St | Cambridge | 1869 |
| CAM.374 | | 31 Otis St | Cambridge | 1900 |
| CAM.473 | Hall, Lewis and William A. Rowhouse | 55 Otis St | Cambridge | 1851 |
| CAM.474 | Hall, Lewis and William A. Rowhouse | 57 Otis St | Cambridge | 1851 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.475 | Hall, Lewis and William A. Rowhouse | 59 Otis St | Cambridge | 1851 |
| CAM.485 | Hazard, Samuel L. House | 60 Otis St | Cambridge | 1871 |
| CAM.476 | Hall, Lewis and William A. Rowhouse | 61 Otis St | Cambridge | 1851 |
| CAM.484 | | 62 Otis St | Cambridge | |
| CAM.472 | Sortwell, Daniel R. Double House | 63-65 Otis St | Cambridge | 1871 |
| CAM.483 | | 64 Otis St | Cambridge | |
| CAM.471 | | 65 1/2 Otis St | Cambridge | |
| CAM.482 | Jones, Andrew - Hall, William A. Double House | 66-68 Otis St | Cambridge | 1846 |
| CAM.470 | Goss, Abiel Double House | 67-69 Otis St | Cambridge | 1839 |
| CAM.481 | | 70 Otis St | Cambridge | |
| CAM.469 | | 73-75 Otis St | Cambridge | |
| CAM.480 | | 74 Otis St | Cambridge | |
| CAM.479 | | 78 Otis St | Cambridge | |
| CAM.477 | Clark, Josias - Cummings, Daniel P. Rowhouse | 80 Otis St | Cambridge | 1861 |
| CAM.478 | Clark, Josias - Cummings, Daniel P. Rowhouse | 82 Otis St | Cambridge | 1861 |
| CAM.467 | Deshon, Royal P. House | 93 Otis St | Cambridge | 1842 |
| CAM.460 | | 94 Otis St | Cambridge | |
| CAM.466 | | 95-97 Otis St | Cambridge | |
| CAM.459 | | 96 Otis St | Cambridge | |
| CAM.458 | | 98 Otis St | Cambridge | |
| CAM.457 | Taylor, Oliver House | 100 Otis St | Cambridge | 1848 |
| CAM.455 | Adams, Jabez F. - Atwood, Samuel S. Rowhouse | 102 Otis St | Cambridge | 1848 |
| CAM.464 | Bridgeman, John L. Double House | 103-105 Otis St | Cambridge | 1843 |
| CAM.456 | Adams, Jabez F. - Atwood, Samuel S. Rowhouse | 104 Otis St | Cambridge | 1848 |
| CAM.454 | | 106-108 Otis St | Cambridge | |
| CAM.463 | | 107-109 Otis St | Cambridge | |
| CAM.453 | | 110 Otis St | Cambridge | |
| CAM.462 | | 113 Otis St | Cambridge | |
| CAM.439 | | 117 1/2 Otis St | Cambridge | |
| CAM.440 | | 117-119 Otis St | Cambridge | |
| CAM.451 | | 118 Otis St | Cambridge | |
| CAM.450 | | 120 Otis St | Cambridge | |
| CAM.448 | Dennison, James Double House | 122-124 Otis St | Cambridge | 1870 |
| CAM.449 | | 122 1/2-124 1/2 Otis St | Cambridge | |
| CAM.438 | | 123 Otis St | Cambridge | |
| CAM.437 | | 125-127 Otis St | Cambridge | |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.447 | | 126-128 Otis St | Cambridge | |
| CAM.436 | | 129-131 Otis St | Cambridge | |
| CAM.446 | | 130 Otis St | Cambridge | |
| CAM.445 | | 132 Otis St | Cambridge | |
| CAM.435 | | 133-135 Otis St | Cambridge | |
| CAM.275 | Hoyt, Benjamin House | 134 Otis St | Cambridge | 1868 |
| CAM.443 | | 136-138 Otis St | Cambridge | |
| CAM.434 | Warren, Moses - Smith, Benjamin G. Rowhouse | 137 Otis St | Cambridge | 1852 |
| CAM.1339 | Warren, Moses - Smith, Benjamin G. Rowhouse | 139 Otis St | Cambridge | 1852 |
| CAM.442 | | 140 Otis St | Cambridge | 1895 |
| CAM.1340 | Warren, Moses - Smith, Benjamin G. Rowhouse | 141 Otis St | Cambridge | 1852 |
| CAM.1341 | Warren, Moses - Smith, Benjamin G. Rowhouse | 143 Otis St | Cambridge | 1852 |
| CAM.1342 | Warren, Moses - Smith, Benjamin G. Rowhouse | 145 Otis St | Cambridge | 1852 |
| CAM.433 | Fraser, John B. Double House | 147-149 Otis St | Cambridge | 1846 |
| CAM.432 | | 151 Otis St | Cambridge | |
| CAM.1179 | Coop Annex | 18 Palmer St | Cambridge | 1964 |
| CAM.276 | Urban Rowhouse | 30-38 Pearl St | Cambridge | 1874 |
| CAM.277 | Urban Rowhouse | 40-50 Pearl St | Cambridge | 1875 |
| CAM.278 | Valentine Soap Workers' Cottage | 101 Pearl St | Cambridge | 1835 |
| CAM.1368 | Blessed Sacrament Roman Catholic Church | 175 Pearl St | Cambridge | 1907 |
| CAM.1370 | Blessed Sacrament Roman Catholic Church Rectory | 189 Pearl St | Cambridge | 1868 |
| CAM.279 | | 3 Phillips Pl | Cambridge | |
| CAM.280 | | 5 Phillips Pl | Cambridge | c 1845 |
| CAM.281 | | 7 Phillips Pl | Cambridge | 1898 |
| CAM.282 | | 9 Phillips Pl | Cambridge | r 1870 |
| CAM.1180 | Harvard Crimson Newspaper Office | 14-18 Plympton St | Cambridge | 1915 |
| CAM.1181 | Crimson Building Annex | 22 Plympton St | Cambridge | 1961 |
| CAM.1182 | Adams House Dining Hall | 28 Plympton St | Cambridge | 1930 |
| CAM.1183 | Russell Hall | 28 Plympton St | Cambridge | 1931 |
| CAM.1184 | Russell Hall | 30-30A Plympton St | Cambridge | 1887 |
| CAM.1207 | Quincy House - Harvard University | 58 Plympton St | Cambridge | 1958 |
| CAM.1208 | Mather Hall - Harvard University | 68-88 Plympton St | Cambridge | 1930 |
| CAM.1209 | | 101-103 Plympton St | Cambridge | 1870 |
| CAM.1382 | Brooks Apartments - Winthrop, John Chambers | 78-80 Porter Rd | Cambridge | 1915 |
| CAM.283 | Willis, Stillman House | 1 Potter Pk | Cambridge | 1839 |
| CAM.1401 | Volpe Center - High Rise Laboratory | 2 Potter St | Cambridge | c 1965 |
| CAM.1403 | Volpe Center - Space Guidance Building | 2 Potter St | Cambridge | c 1965 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1404 | Volpe Center - Space Optics Building | 2 Potter St | Cambridge | c 1965 |
| CAM.284 | Saunders, William House | 6 Prentiss St | Cambridge | 1843 |
| CAM.1352 | Beck - Warren House | 1 Prescott St | Cambridge | 1833 |
| CAM.285 | | 16 Prescott St | Cambridge | 1873 |
| CAM.291 | Carpenter Center for the Visual Arts | 19 Prescott St | Cambridge | 1963 |
| CAM.582 | New England Gas and Electric Association I Bldg | 45 Prospect St | Cambridge | 1960 |
| CAM.286 | Prospect Congregational Church | 99 Prospect St | Cambridge | 1851 |
| CAM.287 | Baldwin, Maria House | 196 Prospect St | Cambridge | r 1845 |
| CAM.288 | Sands, Hiram House | 22 Putnam Ave | Cambridge | 1848 |
| CAM.293 | Harvard Union | Quincy St | Cambridge | 1900 |
| CAM.986 | Harvard University - Hallowell Gate | 10 Quincy St | Cambridge | 1928 |
| CAM.289 | Dana, Richard Henry - Palmer, George Herbert House | 12-16 Quincy St | Cambridge | 1822 |
| CAM.952 | Harvard University - Quincy Street Gate | 17 Quincy St | Cambridge | 1936 |
| CAM.1213 | Harvard University - President's House | 17 Quincy St | Cambridge | 1911 |
| CAM.290 | Fogg Art Museum | 26-32 Quincy St | Cambridge | 1925 |
| CAM.292 | Church of the New Jerusalem | 50 Quincy St | Cambridge | 1903 |
| CAM.1266 | | 60 Raymond St | Cambridge | 1927 |
| CAM.298 | Mason, W. A. House | 87 Raymond St | Cambridge | 1846 |
| CAM.299 | Stickney, N. U. - Shepard, S. P. Double House | 11-13 Remington St | Cambridge | 1846 |
| CAM.300 | Hooper, Edward W. - Eliot, Rev. Samuel A. House | 25-27 Reservoir Rd | Cambridge | 1872 |
| CAM.301 | | 59 Rice St | Cambridge | 1847 |
| CAM.327 | Hews Pottery Company Carriage House | 202 Richdale Ave | Cambridge | 1897 |
| CAM.302 | Kidder - Sargent - McCrehan House | 146 Rindge Ave | Cambridge | 1792 |
| CAM.303 | Wyeth Brickyard Superintendent's House | 336 Rindge Ave | Cambridge | c 1848 |
| CAM.923 | River Street Bridge | River St | Cambridge | 1926 |
| CAM.304 | Urban Rowhouse | 26-32 River St | Cambridge | 1860 |
| CAM.330 | Ricker, George and Jerediah House | 109-113 River St | Cambridge | 1844 |
| CAM.305 | River Street Firehouse | 176 River St | Cambridge | 1890 |
| CAM.1211 | | 11 Riverview Ave | Cambridge | 1899 |
| CAM.922 | Boston University Bridge | Rt 2 | Cambridge | 1928 |
| CAM.306 | Soule, Lawrence Porter House | 11 Russell St | Cambridge | 1879 |
| CAM.307 | Wood, James A. House | 3 Sacramento St | Cambridge | 1888 |
| CAM.1239 | Winthrop Hall - Episcopal Theological School | Saint John's Rd | Cambridge | 1892 |
| CAM.529 | | 6-8 Salem St | Cambridge | c 1829 |
| CAM.530 | | 10 Salem St | Cambridge | c 1840 |
| CAM.531 | | 15 Salem St | Cambridge | c 1841 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.415 | Hastings, Deborah House | 72 Sciarappa St | Cambridge | 1823 |
| CAM.416 | | 74 Sciarappa St | Cambridge | |
| CAM.401 | Pendexter, Charles House | 80-82 Sciarappa St | Cambridge | 1847 |
| CAM.1321 | Boston Museum of Science | Science Park | Cambridge | 1951 |
| CAM.1322 | Hayden Planetarium | Science Park | Cambridge | 1958 |
| CAM.770 | | 2 Scott St | Cambridge | 1889 |
| CAM.771 | Thaxter, Roland House | 7 Scott St | Cambridge | 1891 |
| CAM.772 | | 8 Scott St | Cambridge | 1889 |
| CAM.773 | | 11 Scott St | Cambridge | 1893 |
| CAM.774 | | 12 Scott St | Cambridge | 1894 |
| CAM.775 | | 14 Scott St | Cambridge | 1927 |
| CAM.776 | | 18 Scott St | Cambridge | 1928 |
| CAM.375 | Roby, Ebenezer Rowhouse | 30 Second St | Cambridge | 1836 |
| CAM.376 | Roby, Ebenezer Rowhouse | 32 Second St | Cambridge | 1836 |
| CAM.377 | Roby, Ebenezer Rowhouse | 34 Second St | Cambridge | 1836 |
| CAM.364 | Hall, Jesse Rowhouse | 36 Second St | Cambridge | 1842 |
| CAM.365 | Hall, Jesse Rowhouse | 38 Second St | Cambridge | 1842 |
| CAM.366 | Hall, Jesse Rowhouse | 40 Second St | Cambridge | 1842 |
| CAM.367 | Hall, Jesse Rowhouse | 42 Second St | Cambridge | 1842 |
| CAM.368 | Hall, Jesse Rowhouse | 44 Second St | Cambridge | 1842 |
| CAM.369 | Hall, Jesse Rowhouse | 46 Second St | Cambridge | 1842 |
| CAM.370 | | 50 Second St | Cambridge | |
| CAM.308 | American Net and Twine Company Factory | 155R Second St | Cambridge | 1875 |
| CAM.777 | | 1 Shady Hill Sq | Cambridge | 1915 |
| CAM.778 | | 2-3 Shady Hill Sq | Cambridge | 1915 |
| CAM.779 | | 4-5 Shady Hill Sq | Cambridge | 1915 |
| CAM.780 | | 6-7 Shady Hill Sq | Cambridge | 1915 |
| CAM.781 | | 8-9 Shady Hill Sq | Cambridge | 1915 |
| CAM.782 | | 10-11 Shady Hill Sq | Cambridge | 1915 |
| CAM.783 | | 12 Shady Hill Sq | Cambridge | 1915 |
| CAM.309 | Eliot Hall | 51 Shepard St | Cambridge | 1907 |
| CAM.310 | Bertram Hall | 53 Shepard St | Cambridge | 1901 |
| CAM.311 | Watson, Abraham Jr. House | 181-183 Sherman St | Cambridge | c 1750 |
| CAM.506 | Sacred Heart Roman Catholic Church | 39 Sixth St | Cambridge | 1874 |
| CAM.431 | | 40 Sixth St | Cambridge | |
| CAM.508 | Sacred Heart Roman Catholic Church Rectory | 49 Sixth St | Cambridge | 1885 |
| CAM.927 | Eliot Bridge | Soldier's Field Rd | Cambridge | 1950 |
| CAM.1210 | Bryan Hall - Harvard University | 14-24 South St | Cambridge | 1930 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.312 | Stedman, Samuel House | 17 South St | Cambridge | 1826 |
| CAM.1185 | Harvard Advocate Building | 21 South St | Cambridge | 1956 |
| CAM.313 | Dodge, Edward House | 70 Sparks St | Cambridge | 1878 |
| CAM.325 | Harugari Hall | 154 Spring St | Cambridge | 1873 |
| CAM.1186 | | 4-6 Story St | Cambridge | 1966 |
| CAM.1187 | | 8-12 Story St | Cambridge | 1969 |
| CAM.1188 | | 14-16 Story St | Cambridge | 1970 |
| CAM.353 | Blake and Knowles Core Shop #1 | Third St | Cambridge | c 1889 |
| CAM.354 | Blake and Knowles Core Shop #2 | Third St | Cambridge | c 1890 |
| CAM.505 | Lechmere Point Corporation Row House | 25 Third St | Cambridge | c 1821 |
| CAM.381 | Rollins, John W. Rowhouse | 83 Third St | Cambridge | 1860 |
| CAM.382 | Rollins, John W. Rowhouse | 85 Third St | Cambridge | 1860 |
| CAM.383 | Rollins, John W. Rowhouse | 87 Third St | Cambridge | 1860 |
| CAM.384 | Rollins, John W. Rowhouse | 89 Third St | Cambridge | 1860 |
| CAM.331 | Old Middlesex County Superior Courthouse | 90 Third St | Cambridge | 1814 |
| CAM.385 | Rollins, John W. Rowhouse | 91 Third St | Cambridge | 1860 |
| CAM.386 | Rollins, John W. Rowhouse | 93 Third St | Cambridge | 1860 |
| CAM.387 | Rollins, John W. Rowhouse | 95 Third St | Cambridge | 1860 |
| CAM.314 | Holy Cross Polish National Catholic Church | 99 Third St | Cambridge | 1827 |
| CAM.315 | Bottle House Block | 204-214 Third St | Cambridge | 1826 |
| CAM.350 | Blake and Knowles Machine Shop #1 | 265 Third St | Cambridge | 1889 |
| CAM.351 | Blake and Knowles Office Headhouse | 265 Third St | Cambridge | 1892 |
| CAM.355 | Blake and Knowles Smith Shop and Brass Foundry | 275 Third St | Cambridge | c 1890 |
| CAM.326 | Cambridge Gas Light Company Purifying Plant | 354 Third St | Cambridge | 1908 |
| CAM.388 | Stevens, Atherton H. Rowhouse | 59 Thorndike St | Cambridge | 1827 |
| CAM.395 | Smallidge, Samuel House | 66 Thorndike St | Cambridge | 1827 |
| CAM.389 | Bates, Moses Jr. House | 69 Thorndike St | Cambridge | 1844 |
| CAM.396 | Buck, Silas B. House | 70 Thorndike St | Cambridge | 1845 |
| CAM.390 | Tufts, Sophia Kimball Double House | 71-73 Thorndike St | Cambridge | 1857 |
| CAM.397 | Wellington, Peter House | 74 Thorndike St | Cambridge | 1843 |
| CAM.391 | | 75 Thorndike St | Cambridge | |
| CAM.398 | | 76 Thorndike St | Cambridge | |
| CAM.392 | | 77 Thorndike St | Cambridge | |
| CAM.399 | | 78 Thorndike St | Cambridge | |
| CAM.393 | | 79-81 Thorndike St | Cambridge | |
| CAM.400 | | 80 Thorndike St | Cambridge | |
| CAM.394 | | 83 Thorndike St | Cambridge | |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.402 | Stickney, Francis H. - Davies, Benjamin Rowhouse | 84 Thorndike St | Cambridge | 1867 |
| CAM.417 | Clark, Cornelius - Kneeland, W. W. House | 85 Thorndike St | Cambridge | 1822 |
| CAM.403 | Stickney, Francis H. - Davies, Benjamin Rowhouse | 86 Thorndike St | Cambridge | 1867 |
| CAM.404 | Stickney, Francis H. - Davies, Benjamin Rowhouse | 88 Thorndike St | Cambridge | 1867 |
| CAM.418 | | 89-91 Thorndike St | Cambridge | |
| CAM.405 | Stickney, Francis H. - Davies, Benjamin Rowhouse | 90 Thorndike St | Cambridge | 1867 |
| CAM.406 | Stickney, Francis H. - Davies, Benjamin Rowhouse | 92 Thorndike St | Cambridge | 1867 |
| CAM.419 | Whitacre, Celeste I. Rowhouse | 93 Thorndike St | Cambridge | 1885 |
| CAM.407 | Stickney, Francis H. - Davies, Benjamin Rowhouse | 94 Thorndike St | Cambridge | 1867 |
| CAM.420 | Whitacre, Celeste I. Rowhouse | 95 Thorndike St | Cambridge | 1885 |
| CAM.408 | Train, Isaac House | 96 Thorndike St | Cambridge | 1826 |
| CAM.421 | Whitacre, Celeste I. Rowhouse | 97 Thorndike St | Cambridge | 1885 |
| CAM.422 | Davies, Daniel House | 97 1/2 Thorndike St | Cambridge | 1843 |
| CAM.409 | | 98 Thorndike St | Cambridge | |
| CAM.423 | | 99 Thorndike St | Cambridge | |
| CAM.424 | Daniels, Granville W. House | 101 Thorndike St | Cambridge | 1868 |
| CAM.410 | | 102 Thorndike St | Cambridge | |
| CAM.411 | Spare, Elijah Jr. Double House | 104-106 Thorndike St | Cambridge | 1846 |
| CAM.425 | Eaton, Charles House | 109 Thorndike St | Cambridge | 1857 |
| CAM.412 | Quimby, Amos House | 110 Thorndike St | Cambridge | 1857 |
| CAM.426 | | 111-113 Thorndike St | Cambridge | |
| CAM.413 | Stickney, Francis H. Double House | 112-114 Thorndike St | Cambridge | 1863 |
| CAM.427 | | 113 1/2 Thorndike St | Cambridge | |
| CAM.414 | Bacon, Henry A. House | 116 Thorndike St | Cambridge | 1865 |
| CAM.507 | Sacred Heart Roman Catholic School and Convent | 163 Thorndike St | Cambridge | 1902 |
| CAM.316 | Craigie Arms | 2-6 University Rd | Cambridge | 1897 |
| CAM.317 | Wyeth, Jacob - Smith, Ebenezer House | 152 Vassal Ln | Cambridge | 1820 |
| CAM.360 | Metropolitan Supply Company Warehouse | 269 Vassar St | Cambridge | 1948 |
| CAM.361 | Hovey, F. A. and Company Warehouse | 271-275 Vassar St | Cambridge | c 1940 |
| CAM.362 | Metropolitan Supply Company Warehouse | 277-287 Vassar St | Cambridge | 1939 |
| CAM.363 | Metropolitan Supply Company Warehouse | 289-293 Vassar St | Cambridge | 1939 |
| CAM.989 | Walden Street Cattle Pass | Walden St | Cambridge | 1857 |
| CAM.1283 | Bennink - Douglas Double Cottage | 35-37 Walker St | Cambridge | 1874 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1284 | Bennink - Douglas Double Cottage | 39-41 Walker St | Cambridge | 1874 |
| CAM.1285 | Bennink - Douglas Double Cottage | 43-45 Walker St | Cambridge | 1874 |
| CAM.1286 | Bennink - Douglas Double Cottage | 49-51 Walker St | Cambridge | 1874 |
| CAM.1034 | Sands, Orrin E. House | 2 Walnut Ave | Cambridge | 1911 |
| CAM.1032 | | 4 Walnut Ave | Cambridge | 1878 |
| CAM.1033 | Niles, Jacob Harris House | 6 Walnut Ave | Cambridge | 1884 |
| CAM.1031 | Niles, Eugene M. House | 9 Walnut Ave | Cambridge | 1887 |
| CAM.318 | Stanstead, The | 19 Ware St | Cambridge | 1887 |
| CAM.799 | Ritchie, David House | 26 Washington Ave | Cambridge | 1889 |
| CAM.793 | Brown, Laura House | 27 Washington Ave | Cambridge | 1908 |
| CAM.794 | Mellen, James House | 33 Washington Ave | Cambridge | 1887 |
| CAM.795 | Kelley, Stillman F. House | 49 Washington Ave | Cambridge | 1887 |
| CAM.1000 | Boardman, Charles House | 58 Washington Ave | Cambridge | 1880 |
| CAM.797 | Mansfield, Gardiner House | 63 Washington Ave | Cambridge | 1873 |
| CAM.798 | Green, Charles G. House | 71 Washington Ave | Cambridge | 1877 |
| CAM.1001 | Boynton, Morris House | 78 Washington Ave | Cambridge | c 1874 |
| CAM.319 | Melendy, Henry J. House | 81 Washington Ave | Cambridge | 1871 |
| CAM.1002 | | 86-88 Washington Ave | Cambridge | 1870 |
| CAM.1003 | | 92 Washington Ave | Cambridge | 1876 |
| CAM.1004 | Hutchins, Elizabeth House | 108 Washington Ave | Cambridge | 1924 |
| CAM.541 | Whittemore, Rev. Thomas Double House | 271-273 Washington St | Cambridge | 1837 |
| CAM.540 | Whittemore, Rev. Thomas Double House | 288 Washington St | Cambridge | 1837 |
| CAM.539 | Paige, Rev. Lucius R. House | 296 Washington St | Cambridge | 1837 |
| CAM.346 | | 1 Waterhouse St | Cambridge | 1916 |
| CAM.320 | Vassall - Waterhouse - Ware House | 7 Waterhouse St | Cambridge | c 1753 |
| CAM.347 | | 9 Waterhouse St | Cambridge | 1887 |
| CAM.335 | Christian Science Church | 13 Waterhouse St | Cambridge | 1923 |
| CAM.988 | Fort Washington | 95 Waverly St | Cambridge | |
| CAM.924 | Western Avenue Bridge | Western Ave | Cambridge | 1924 |
| CAM.638 | Cambridge Police Headquarters | 5 Western Ave | Cambridge | 1933 |
| CAM.948 | Central Square Park | 22 Western Ave | Cambridge | 1987 |
| CAM.321 | Read, Cheney House | 135 Western Ave | Cambridge | 1846 |
| CAM.323 | Hasey, Abraham - Wheat, Dr. Samuel House | 8 Willard St | Cambridge | c 1730 |
| CAM.514 | Hixon, Edward House | 3 William St | Cambridge | 1857 |
| CAM.1378 | Immaculate Conception (Lithuanian) Catholic Church | 432 Windsor St | Cambridge | 1910 |
| CAM.1379 | Immaculate Conception (Lithuanian) Church Rectory | 432 Windsor St | Cambridge | 1972 |

| Inv. No. | Property Name | Street | Town | Year |
|---|---|---|---|---|
| CAM.1380 | Immaculate Conception Church Rectory Metal Garage | 432 Windsor St | Cambridge | 1941 |
| CAM.1381 | Immaculate Conception Church Rectory Wood Garage | 432 Windsor St | Cambridge | 1948 |
| CAM.500 | | 19 Winter St | Cambridge | r 1855 |
| CAM.492 | | 21 Winter St | Cambridge | c 1854 |
| CAM.486 | Leighton, Thomas H. House | 22 Winter St | Cambridge | 1833 |
| CAM.491 | | 24 Winter St | Cambridge | c 1854 |
| CAM.493 | | 25 Winter St | Cambridge | c 1854 |
| CAM.494 | | 27 Winter St | Cambridge | c 1854 |
| CAM.496 | | 28-30 Winter St | Cambridge | c 1854 |
| CAM.495 | | 29 Winter St | Cambridge | c 1854 |
| CAM.497 | | 31-33 Winter St | Cambridge | c 1854 |
| CAM.501 | | 34-42 Winter St | Cambridge | r 1875 |
| CAM.498 | | 61 Winter St | Cambridge | c 1854 |
| CAM.499 | | 65 Winter St | Cambridge | c 1854 |
| CAM.489 | Stevens, Atherton Haugh House | 67 Winter St | Cambridge | 1843 |
| CAM.490 | Stevens, Atherton Haugh House | 71 Winter St | Cambridge | 1843 |
| CAM.487 | Stevens, Atherton Haugh House | 74 Winter St | Cambridge | 1838 |
| CAM.1344 | | 75 Winter St | Cambridge | |
| CAM.1345 | Stevens, Atherton Haugh House | 77 Winter St | Cambridge | 1838 |
| CAM.488 | Stevens, Atherton Haugh House | 79 Winter St | Cambridge | 1838 |
| CAM.1189 | Metcalf, Lydia House | 41 Winthrop St | Cambridge | 1845 |
| CAM.1190 | | 65-67 Winthrop St | Cambridge | 1887 |
| CAM.1191 | University Lutheran Church | 66 Winthrop St | Cambridge | 1950 |
| CAM.1192 | | 69 Winthrop St | Cambridge | r 1835 |
| CAM.1193 | Pi Eta Club | 89 Winthrop St | Cambridge | r 1908 |
| CAM.1194 | Pi Eta Hall | 95 Winthrop St | Cambridge | r 1896 |
| CAM.1195 | Hyde, Isaac - Taylor House | 96 Winthrop St | Cambridge | 1845 |
| CAM.329 | Cox - Hicks House | 98 Winthrop St | Cambridge | c 1806 |
| CAM.951 | Winthrop Street Retaining Wall | 98 Winthrop St | Cambridge | c 1725 |
| CAM.1196 | Dame School | 106 Winthrop St | Cambridge | c 1800 |
| CAM.909 | Yerxa Street Pedestrian Subway | Yerxa St | Cambridge | 1904 |
| CAM.1391 | Saint Patrick's Roman Catholic Church | 40-50 York St | Cambridge | |

National Register of Historic Places

| | | | | | |
|---|---|---|---|---|---|
| 79000354 | MASSACHUSETTS | Middlesex | Cambridge | Abbot, Edwin, House | 1 Follen St. |
| 82001965 | MASSACHUSETTS | Middlesex | Cambridge | Noyes, J.A., House | 1 Highland St. |
| 82001985 | MASSACHUSETTS | Middlesex | Cambridge | Willis, Stillman, House | 1 Potter Park |
| 96000520 | MASSACHUSETTS | Middlesex | Cambridge | Beck--Warren House | 1 Prescott St. |
| 86001318 | MASSACHUSETTS | Middlesex | Cambridge | Withey, S. B., House | 10 Appian Way |
| 75000298 | MASSACHUSETTS | Middlesex | Cambridge | Bridgman, Percy, House | 10 Buckingham Pl. |
| 82001954 | MASSACHUSETTS | Middlesex | Cambridge | Kingsley, Chester, House | 10 Chester St. |
| 83000822 | MASSACHUSETTS | Middlesex | Cambridge | Orne, Sarah, House | 10 Coolidge Hill Rd. |
| 82001926 | MASSACHUSETTS | Middlesex | Cambridge | Building at 10 Follen Street | 10 Follen St. |
| 82001942 | MASSACHUSETTS | Middlesex | Cambridge | Frost, Walter, House | 10 Frost St. |
| 70000681 | MASSACHUSETTS | Middlesex | Cambridge | Hastings, Oliver, House | 101 Brattle St. |
| 83000833 | MASSACHUSETTS | Middlesex | Cambridge | Valentine Soap Workers Cottage | 101 Pearl St. |
| 83000790 | MASSACHUSETTS | Middlesex | Cambridge | Building at 102-104 Inman Street | 102-104 Inman St. |
| 83000796 | MASSACHUSETTS | Middlesex | Cambridge | cummings, e.e., House | 104 Irving St. |
| 83000789 | MASSACHUSETTS | Middlesex | Cambridge | Building at 104-106 Hancock Street | 104-106 Hancock St. |
| 66000049 | MASSACHUSETTS | Middlesex | Cambridge | Longfellow National Historic Site | 105 Brattle St. |
| 82001927 | MASSACHUSETTS | Middlesex | Cambridge | Building at 106-108 Inman St | 106-108 Inman St. |
| 83004030 | MASSACHUSETTS | Middlesex | Cambridge | Homer-Lovell House | 11 Forest St. |
| 82001959 | MASSACHUSETTS | Middlesex | Cambridge | Mason, Josiah, Jr., House | 11 Market St. |
| 82001978 | MASSACHUSETTS | Middlesex | Cambridge | Soule, Lawrence, House | 11 Russell St. |
| 83000781 | MASSACHUSETTS | Middlesex | Cambridge | Atwood, Ephraim, House | 110 Hancock St. |
| 82001929 | MASSACHUSETTS | Middlesex | Cambridge | Buildings at 110-112 Inman St. | 110-112 Inman St. |
| 86001315 | MASSACHUSETTS | Middlesex | Cambridge | Stickney--Shepard House | 11--13 Remington St. |
| 83000826 | MASSACHUSETTS | Middlesex | Cambridge | Second Cambridge Savings Bank Building | 11-21 Dunster St. |
| 86002081 | MASSACHUSETTS | Middlesex | Cambridge | University Museum | 11--25 Divinity Ave. |
| 82001979 | MASSACHUSETTS | Middlesex | Cambridge | Taylor Square Firehouse | 113 Garden St. |
| 86002071 | MASSACHUSETTS | Middlesex | Cambridge | Divinity Hall | 12 Divinity Ave. |
| 78000442 | MASSACHUSETTS | Middlesex | Cambridge | Hasty Pudding Club | 12 Holyoke St. |
| 86001682 | MASSACHUSETTS | Middlesex | Cambridge | Dana--Palmer House | 12--16 Quincy St. |
| 83000799 | MASSACHUSETTS | Middlesex | Cambridge | Fay, Issac, House | 123 Antrim St. |
| 89002285 | MASSACHUSETTS | Middlesex | Cambridge | Kennedy, F. A., Steam Bakery | 129 Franklin St. |
| 83000800 | MASSACHUSETTS | Middlesex | Cambridge | Flentje, Ernst, House | 129 Magazine St. |
| 83000824 | MASSACHUSETTS | Middlesex | Cambridge | Porcellian Club | 1320-24 Massachusetts Ave. |
| 82001953 | MASSACHUSETTS | Middlesex | Cambridge | Hoyt, Benjamin, House | 134 Otis St. |
| 82001971 | MASSACHUSETTS | Middlesex | Cambridge | Read, Cheney, House | 135 Western Ave. |
| 86001283 | MASSACHUSETTS | Middlesex | Cambridge | Gray Gardens East and West Historic District | 1--37 Gray Gardens E, 3--24 Gray Gardens W, 91 Garden and 60 Raymond Sts. |
| 82001935 | MASSACHUSETTS | Middlesex | Cambridge | Day, Anna, House | 139 Cushing St. |
| 87002543 | MASSACHUSETTS | Middlesex | Cambridge | Gale, George, House | 14--16 Clinton St. |
| 86001681 | MASSACHUSETTS | Middlesex | Cambridge | Follen Street Historic District | 1--44 and 5--29 Follen St. |
| 83000808 | MASSACHUSETTS | Middlesex | Cambridge | Holmes, Joseph, House | 144 Coolidge Hill St. |
| 82001976 | MASSACHUSETTS | Middlesex | Cambridge | Sands, Ivory, House | 145 Elm St. |
| 82001952 | MASSACHUSETTS | Middlesex | Cambridge | Kidder-Sargent-McCrehan House | 146 Rindge Ave. |
| 76001999 | MASSACHUSETTS | Middlesex | Cambridge | Richards, Theodore W., House | 15 Follen St. |
| 82001930 | MASSACHUSETTS | Middlesex | Cambridge | Buildings at 15-17 Lee St. | 15-17 Lee St. |
| 82001989 | MASSACHUSETTS | Middlesex | Cambridge | Wyeth-Smith House | 152 Vassal Lane |
| 82001906 | MASSACHUSETTS | Middlesex | Cambridge | American Net and Twine Company Factory | 155 2nd St. |
| 83000798 | MASSACHUSETTS | Middlesex | Cambridge | Ellis, Asa, House | 158 Auburn St. |
| 79000355 | MASSACHUSETTS | Middlesex | Cambridge | Hooper-Lee Nichols House | 159 Brattle St. |
| 86002070 | MASSACHUSETTS | Middlesex | Cambridge | Littlefield--Roberts House | 16 Prescott St. |
| 86001311 | MASSACHUSETTS | Middlesex | Cambridge | Montrose, The | 1648 Massachusetts Ave. |
| 86001279 | MASSACHUSETTS | Middlesex | Cambridge | Dunvegan, The | 1654 Massachusetts Ave. |
| 83000807 | MASSACHUSETTS | Middlesex | Cambridge | Hill, Aaron, House | 17 Brown St. |
| 76000306 | MASSACHUSETTS | Middlesex | Cambridge | Davis, William Morris, House | 17 Francis St. |
| 83000787 | MASSACHUSETTS | Middlesex | Cambridge | Building at 1707-1709 Cambridge Street | 1707-1709 Cambridge St. |
| 83000788 | MASSACHUSETTS | Middlesex | Cambridge | Building at 1715-1717 Cambridge Street | 1715-1717 Cambridge St. |

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|---|---|---|---|---|---|
| 82001973 | MASSACHUSETTS | Middlesex | Cambridge | River Street Firehouse | 176 River St. |
| 86001265 | MASSACHUSETTS | Middlesex | Cambridge | Berkeley Street Historic District (Boundary Increase) | 1--8 Berkeley Pl. |
| 82001984 | MASSACHUSETTS | Middlesex | Cambridge | Watson, Abraham, House | 181-183 Sherman St. |
| 83000819 | MASSACHUSETTS | Middlesex | Cambridge | North Avenue Congregational Church | 183 Massachusetts Ave. |
| 83000814 | MASSACHUSETTS | Middlesex | Cambridge | Lovell Block | 1853 Massachusetts Ave. |
| 94000546 | MASSACHUSETTS | Middlesex | Cambridge | Shell Oil Company "Spectacular" Sign | 187 Magazine St. |
| 82001962 | MASSACHUSETTS | Middlesex | Cambridge | Melvin, Isaac, House | 19 Centre St. |
| 78000435 | MASSACHUSETTS | Middlesex | Cambridge | Carpenter Center for the Visual Arts | 19 Prescott St. |
| 86001313 | MASSACHUSETTS | Middlesex | Cambridge | Stanstead, The | 19 Ware St. |
| 82001972 | MASSACHUSETTS | Middlesex | Cambridge | Reardon, Edmund, House | 195 Erie St. |
| 76000272 | MASSACHUSETTS | Middlesex | Cambridge | Baldwin, Maria, House | 196 Prospect St. |
| 83000828 | MASSACHUSETTS | Middlesex | Cambridge | St. James Episcopal Church | 1991 Massachusetts Ave. |
| 83000806 | MASSACHUSETTS | Middlesex | Cambridge | Hall Tavern | 20 Gray Gardens West St. |
| 82001919 | MASSACHUSETTS | Middlesex | Cambridge | Barnes, James B., House | 200 Monsignor O'Brien Hwy. |
| 82001924 | MASSACHUSETTS | Middlesex | Cambridge | Bottle House Block | 204-214 3rd St. |
| 82001947 | MASSACHUSETTS | Middlesex | Cambridge | Henderson Carriage Repository | 2067-2089 Massachusetts Ave. |
| 86002078 | MASSACHUSETTS | Middlesex | Cambridge | Treadwell--Sparks House | 21 Kirkland St. |
| 72000124 | MASSACHUSETTS | Middlesex | Cambridge | Cooper-Frost-Austin House | 21 Linnaean St. |
| 82001936 | MASSACHUSETTS | Middlesex | Cambridge | Deane-Williams House | 21-23 Fayette St. |
| 82001917 | MASSACHUSETTS | Middlesex | Cambridge | Athenaeum Press | 215 1st St. |
| 75000295 | MASSACHUSETTS | Middlesex | Cambridge | Birkhoff, George D., House | 22 Craigie |
| 82001956 | MASSACHUSETTS | Middlesex | Cambridge | Larches, The | 22 Larch Rd. |
| 76000238 | MASSACHUSETTS | Middlesex | Cambridge | Sands, Hiram, House | 22 Putnam Ave. |
| 82001961 | MASSACHUSETTS | Middlesex | Cambridge | Mead, Alpheus, House | 2200 Massachusetts Ave. |
| 82001960 | MASSACHUSETTS | Middlesex | Cambridge | McLean, Isaac, House | 2218 Massachusetts Ave. |
| 82001939 | MASSACHUSETTS | Middlesex | Cambridge | Farwell, R.H., House | 2222-2224 Massachusetts Ave. |
| 83000829 | MASSACHUSETTS | Middlesex | Cambridge | St. John's Roman Catholic Church | 2270 Massachusetts Ave. |
| 82001963 | MASSACHUSETTS | Middlesex | Cambridge | Newman, Andrew, House | 23 Fairmont St. |
| 76000305 | MASSACHUSETTS | Middlesex | Cambridge | Daly, Reginald A., House | 23 Hawthorn St. |
| 82001940 | MASSACHUSETTS | Middlesex | Cambridge | Fresh Pond Hotel | 234 Lakeview Ave. |
| 82001921 | MASSACHUSETTS | Middlesex | Cambridge | Beth Israel Synagogue | 238 Columbia St. |
| 83000795 | MASSACHUSETTS | Middlesex | Cambridge | Coolidge, Josiah, House | 24 Coolidge Hill Rd. |
| 82001969 | MASSACHUSETTS | Middlesex | Cambridge | Opposition House | 2-4 Hancock Pl. |
| 82001958 | MASSACHUSETTS | Middlesex | Cambridge | Lowell School | 25 Lowell St. |
| 83000809 | MASSACHUSETTS | Middlesex | Cambridge | Hooper-Eliot House | 25 Reservoir Rd. |
| 05001209 | MASSACHUSETTS | Middlesex | Cambridge | New England Confectionery Company Factory | 250 Massachusetts Ave. |
| 85002663 | MASSACHUSETTS | Middlesex | Cambridge | Reversible Collar Company Building | 25--27 Mt. Auburn & 10--12 Arrow Sts. |
| 83000786 | MASSACHUSETTS | Middlesex | Cambridge | Building at 259 Mount Auburn Street | 259 Mt. Auburn St. |
| 83000801 | MASSACHUSETTS | Middlesex | Cambridge | Frost, David, House | 26 Gray St. |
| 86001575 | MASSACHUSETTS | Middlesex | Cambridge | Craigie Arms | 2--6 University Rd., 122 Mt. Auburn, and 6 Bennett Sts. |
| 86001282 | MASSACHUSETTS | Middlesex | Cambridge | Fogg Art Museum | 26--32 Quincy St. |
| 83000831 | MASSACHUSETTS | Middlesex | Cambridge | Urban Rowhouse | 26-32 River St. |
| 86001308 | MASSACHUSETTS | Middlesex | Cambridge | Jarvis, The | 27 Everett St. |
| 82001948 | MASSACHUSETTS | Middlesex | Cambridge | Higginson, Col. Thomas Wentworth, House | 29 Buckingham St. |
| 83000793 | MASSACHUSETTS | Middlesex | Cambridge | Cloverden | 29 Fallen St. |
| 82001938 | MASSACHUSETTS | Middlesex | Cambridge | East Cambridge Savings Bank | 292 Cambridge St. |
| 82001941 | MASSACHUSETTS | Middlesex | Cambridge | Frost, Robert, House | 29-35 Brewster St. |
| 86001319 | MASSACHUSETTS | Middlesex | Cambridge | Wood, J. A., House | 3 Sacramento St. |
| 82001983 | MASSACHUSETTS | Middlesex | Cambridge | Urban Rowhouse | 30-38 Pearl St. |
| 83000813 | MASSACHUSETTS | Middlesex | Cambridge | Jones, William R., House | 307 Harvard St. |
| 83000834 | MASSACHUSETTS | Middlesex | Cambridge | Vinal, Albert, House | 325 Harvard St. |
| 66000364 | MASSACHUSETTS | Middlesex | Cambridge | Elmwood | 33 Elmwood Ave. |
| 83000815 | MASSACHUSETTS | Middlesex | Cambridge | Lowell, The | 33 Lexington Ave. |
| 82001987 | MASSACHUSETTS | Middlesex | Cambridge | Wyeth Brickyard Superintendent's House | 336 Rindge Ave. |
| 86002068 | MASSACHUSETTS | Middlesex | Cambridge | Brooks, Luther, House | 34 Kirkland St. |
| 83000802 | MASSACHUSETTS | Middlesex | Cambridge | Frost, Elizabeth, Tenanthouse | 35 Bowdoin St. |

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| 86001272 | MASSACHUSETTS | Middlesex | Cambridge | Bennink--Douglas Cottages | 35--51 Walker St. |
| 83000784 | MASSACHUSETTS | Middlesex | Cambridge | Bradbury, William F., House | 369 Harvard St. |
| 82001949 | MASSACHUSETTS | Middlesex | Cambridge | Howells, William Dean, House | 37 Concord Ave. |
| 86002076 | MASSACHUSETTS | Middlesex | Cambridge | Lovering, Joseph, House | 38 Kirkland St. |
| 86001284 | MASSACHUSETTS | Middlesex | Cambridge | Hapgood, Richard, House | 382--392 Harvard St. |
| 83000835 | MASSACHUSETTS | Middlesex | Cambridge | Ware Hall | 383 Harvard St. |
| 82001968 | MASSACHUSETTS | Middlesex | Cambridge | Old Cambridge Baptist Church | 398 Harvard St. |
| 82001925 | MASSACHUSETTS | Middlesex | Cambridge | Brattle Hall | 40 Brattle St. |
| 82001982 | MASSACHUSETTS | Middlesex | Cambridge | Urban Rowhouse | 40-48 Pearl St. |
| 82001883 | MASSACHUSETTS | Middlesex | Cambridge | Aborn, John, House | 41 Orchard St. |
| 82001908 | MASSACHUSETTS | Middlesex | Cambridge | Almshouse | 41 Orchard St. |
| 86001312 | MASSACHUSETTS | Middlesex | Cambridge | Peabody Court Apartments | 41--43 Linnaean St. |
| 73000286 | MASSACHUSETTS | Middlesex | Cambridge | Brattle, William, House | 42 Brattle St. |
| 82001928 | MASSACHUSETTS | Middlesex | Cambridge | Building at 42 Edward J. Lopez Avenue | 42 Edward J. Lopez Ave. |
| 86001276 | MASSACHUSETTS | Middlesex | Cambridge | Brabrook, E. H., House | 42--44 Avon St. |
| 78000440 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Lampoon Building | 44 Bow St. |
| 82001931 | MASSACHUSETTS | Middlesex | Cambridge | Cambridge Public Library | 449 Broadway St. |
| 82001923 | MASSACHUSETTS | Middlesex | Cambridge | Billings, Frederick, House | 45 Orchard St. |
| 82001957 | MASSACHUSETTS | Middlesex | Cambridge | Lechmere Point Corporation Houses | 45-51 Gore St. and 25 3rd St. |
| 90000142 | MASSACHUSETTS | Middlesex | Cambridge | DeRosay--McNamee House | 50 Mt. Vernon St. |
| 83000792 | MASSACHUSETTS | Middlesex | Cambridge | Church of the New Jerusalem | 50 Quincy St. |
| 86001280 | MASSACHUSETTS | Middlesex | Cambridge | Eliot Hall at Radcliffe College | 51 Shepard St. |
| 86001270 | MASSACHUSETTS | Middlesex | Cambridge | Bertram Hall at Radcliffe College | 53 Shepard St. |
| 82001967 | MASSACHUSETTS | Middlesex | Cambridge | Odd Fellows Hall | 536 Massachusetts Ave. |
| 73000288 | MASSACHUSETTS | Middlesex | Cambridge | Pratt, Dexter, House | 54 Brattle St. |
| 82001988 | MASSACHUSETTS | Middlesex | Cambridge | Wyeth, John, House | 56 Aberdeen Ave. |
| 83000832 | MASSACHUSETTS | Middlesex | Cambridge | Valentine Soap Workers Cottage | 5-7 Cottage St. |
| 75000254 | MASSACHUSETTS | Middlesex | Cambridge | Mount Auburn Cemetery | 580 Mount Auburn St. |
| 83000818 | MASSACHUSETTS | Middlesex | Cambridge | Mount Auburn Cemetery Reception House | 583 Mt. Auburn St. |
| 82001943 | MASSACHUSETTS | Middlesex | Cambridge | Greek Revival Cottage | 59 Rice St. |
| 83000811 | MASSACHUSETTS | Middlesex | Cambridge | Howe House | 6 Appleton St. |
| 86001317 | MASSACHUSETTS | Middlesex | Cambridge | Warren, Langford H., House | 6 Garden Terr. |
| 83000825 | MASSACHUSETTS | Middlesex | Cambridge | Saunders, William, House | 6 Prentiss St. |
| 86002075 | MASSACHUSETTS | Middlesex | Cambridge | Sears Tower--Harvard Observatory | 60 Garden St. |
| 82001980 | MASSACHUSETTS | Middlesex | Cambridge | Union Railway Car Barn | 613-621 Cambridge St. |
| 02001189 | MASSACHUSETTS | Middlesex | Cambridge | Cambridge Home for the Aged and Infirm | 650 Concord Ave. |
| 83000791 | MASSACHUSETTS | Middlesex | Cambridge | Child, Francis J., House | 67 Kirkland St. |
| 82001974 | MASSACHUSETTS | Middlesex | Cambridge | Sacred Heart Church, Rectory, School and Convent | 6th and Thorndike Sts. |
| 82004968 | MASSACHUSETTS | Middlesex | Cambridge | Colburn, Sarah Foster, House | 7 Dana St. |
| 82001937 | MASSACHUSETTS | Middlesex | Cambridge | Dodge, Edward, House | 70 Sparks St. |
| 82001934 | MASSACHUSETTS | Middlesex | Cambridge | Cook, William, House | 71 Appleton St. |
| 71000686 | MASSACHUSETTS | Middlesex | Cambridge | Fuller, Margaret, House | 71 Cherry St. |
| 82001955 | MASSACHUSETTS | Middlesex | Cambridge | Lamson, Rufus, House | 72-74 Hampshire St. |
| 82001977 | MASSACHUSETTS | Middlesex | Cambridge | Slowey, Patrick, House | 73 Bolton St. |
| 86001343 | MASSACHUSETTS | Middlesex | Cambridge | US Post Office--Central Square | 770 Massachusetts Ave. |
| 82001918 | MASSACHUSETTS | Middlesex | Cambridge | B and B Chemical Company | 780 Memorial Dr. |
| 83000817 | MASSACHUSETTS | Middlesex | Cambridge | Mason, W. A., House | 87 Raymond St. |
| 66000655 | MASSACHUSETTS | Middlesex | Cambridge | Gray, Asa, House | 88 Garden St. |
| 83000827 | MASSACHUSETTS | Middlesex | Cambridge | Second Waterhouse House | 9 Follen St. |
| 89001246 | MASSACHUSETTS | Middlesex | Cambridge | Stoughton, Mary Fisk, House | 90 Brattle St. |
| 73000284 | MASSACHUSETTS | Middlesex | Cambridge | Fort Washington | 95 Waverly St. |
| 82001933 | MASSACHUSETTS | Middlesex | Cambridge | Conventual Church of St. Mary and St. John | 980 Memorial Dr. |
| 86001310 | MASSACHUSETTS | Middlesex | Cambridge | Memorial Drive Apartments Historic District | 983--984, 985--986, 987--989, and 992--993 Memorial Dr. |
| 82001970 | MASSACHUSETTS | Middlesex | Cambridge | Prospect Congregational Church | 99 Prospect St. |
| 94000554 | MASSACHUSETTS | Middlesex | Cambridge | Walden Street Cattle Pass | Adjacent to MBTA right-of-way at Walden St. |
| 04000249 | MASSACHUSETTS | Middlesex | Cambridge | Alewife Brook Parkway | Alewife Brook Parkway |

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| 82001916 | MASSACHUSETTS | Middlesex | Cambridge | Ash Street Historic District | Ash St. and Ash St. Place between Brattle and Mount Auburn Sts. |
| 82001920 | MASSACHUSETTS | Middlesex | Cambridge | Berkeley Street Historic District | Berkeley St. |
| 82001922 | MASSACHUSETTS | Middlesex | Cambridge | Bigelow Street Historic District | Bigelow St. |
| 78000436 | MASSACHUSETTS | Middlesex | Cambridge | Charles River Basin Historic District | Both banks of Charles River from Eliot Bridge to Charles River Dam |
| 97000561 | MASSACHUSETTS | Middlesex | Cambridge | Blake and Knowles Steam Pump Company National Register District | Bounded by Third, Binney, Fifth, and Rogers Sts. |
| 70000685 | MASSACHUSETTS | Middlesex | Cambridge | Memorial Hall, Harvard University | Cambridge and Quincy Sts., Harvard University campus |
| 83000820 | MASSACHUSETTS | Middlesex | Cambridge | Old Cambridgport Historic District | Cherry, Harvard and Washington Sts. |
| 82001981 | MASSACHUSETTS | Middlesex | Cambridge | Upper Magazine Street Historic District | Cottage, Magazine, William and Perry Sts. |
| 04001429 | MASSACHUSETTS | Middlesex | Cambridge | Fresh Pond Parkway--Metropolitan Park System of Greater Boston | Fresh Pond Parkway |
| 66000140 | MASSACHUSETTS | Middlesex | Cambridge | Christ Church | Garden St. |
| 73000281 | MASSACHUSETTS | Middlesex | Cambridge | Cambridge Common Historic District | Garden, Waterhouse, Cambridge, and Peabody Sts., and Massachusetts Ave. |
| 83000803 | MASSACHUSETTS | Middlesex | Cambridge | Garfield Street Historic District | Garfield St. between Massachusetts Ave. and Oxford St. |
| 82001951 | MASSACHUSETTS | Middlesex | Cambridge | Inman Square Historic District | Hampshire, Cambridge, and Inman Sts. |
| 82001945 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Street Historic District | Harvard St. Between Ellery and Hancock Sts. |
| 72000128 | MASSACHUSETTS | Middlesex | Cambridge | Austin Hall | Harvard University campus |
| 66000769 | MASSACHUSETTS | Middlesex | Cambridge | Massachusetts Hall, Harvard University | Harvard University Yard |
| 70000732 | MASSACHUSETTS | Middlesex | Cambridge | Sever Hall, Harvard University | Harvard Yard |
| 70000736 | MASSACHUSETTS | Middlesex | Cambridge | University Hall, Harvard University | Harvard Yard |
| 82001950 | MASSACHUSETTS | Middlesex | Cambridge | Hubbard Park Historic District | Hubbard Park, Mercer Circle and Sparks Sts. |
| 83000821 | MASSACHUSETTS | Middlesex | Cambridge | Old Cambridge Historic District | Irregular pattern along Brattle St. |
| 86001683 | MASSACHUSETTS | Middlesex | Cambridge | Kirkland Place Historic District | Kirkland Pl. |
| 75000249 | MASSACHUSETTS | Middlesex | Cambridge | First Baptist Church | Magazine and River Sts. |
| 83000816 | MASSACHUSETTS | Middlesex | Cambridge | Maple Avenue Historic District | Maple Ave. between Marie Ave. and Broadway |
| 78000441 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Square Subway Kiosk | Massachusetts Ave. and Boylston St. |
| 73000287 | MASSACHUSETTS | Middlesex | Cambridge | Old Harvard Yard | Massachusetts Ave. and Cambridge St. |
| 83004293 | MASSACHUSETTS | Middlesex | Cambridge | Cambidge Common Historic District Amendment | Massachusetts Ave. and Garden, Waterhouse, Cambridge, and Peabody Sts. |
| 82001932 | MASSACHUSETTS | Middlesex | Cambridge | City Hall Historic District | Massachusetts Ave., Bigelow and Temple Sts, Inman and Richard Allen Dr. |
| 82001944 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Square Historic District | Massachusetts Ave., Boylston and Brattle Sts. |
| 76001970 | MASSACHUSETTS | Middlesex | Cambridge | Little, Arthur D., Inc., Building | Memorial Dr. |
| 82001964 | MASSACHUSETTS | Middlesex | Cambridge | Norfolk Street Historic District | Norfolk St. between Suffolk and Austin Sts. |
| 87000500 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Union | Quincy and Harvard Sts. |
| 83000797 | MASSACHUSETTS | Middlesex | Cambridge | East Cambridge Historic District | Roughly bounded by Cambridge, Hurley and 5th Sts. |
| 86003654 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Square Historic District (Boundary Increase) | Roughly bounded by Harvard & Massachusetts Aves., Mt. Auburn, Winthrop, Bennett, Story & Church Sts. |
| 86002073 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Houses Historic District | Roughly bounded by Mt. Auburn & Grant & Cowperwaite Sts., Banks St. & Putman Ave., the Memorial River, & Boyleston St. |
| 86001680 | MASSACHUSETTS | Middlesex | Cambridge | Shady Hill Historic District | Roughly bounded by Museum, Beacon and Holden, and Kirkland Sts., and Francis Ave. |
| 82001946 | MASSACHUSETTS | Middlesex | Cambridge | Hastings Square Historic District | Roughly bounded by Rockingham, Henry, Chestnut and Brookline Sts. |
| 87002137 | MASSACHUSETTS | Middlesex | Cambridge | Harvard Yard Historic District | Roughly bounded by underpass, Broadway & Quincy Sts., Massachusetts Ave., & Peabody St. |
| 90000128 | MASSACHUSETTS | Middlesex | Cambridge | Central Square Historic District | Roughly Massachusetts Ave. from Clinton St. to Main St. |
| 87000499 | MASSACHUSETTS | Middlesex | Cambridge | Cambridge Common Historic District (Boundary Increase and Decrease) | Roughly NW of Waterhouse St. on Concord Ave. between Garden and Follen Sts. |
| 82001975 | MASSACHUSETTS | Middlesex | Cambridge | Salem-Auburn Streets Historic District | Salem and Auburn Sts. |
| 83000782 | MASSACHUSETTS | Middlesex | Cambridge | Avon Hill Historic District | Washington and Walnut Aves. and Agassiz, Humboldt, Arlington and Lancaster Sts. |
| 82001986 | MASSACHUSETTS | Middlesex | Cambridge | Winter Street Historic District | Winter St. |

# APPENDIX E

## Laboratory Data Reports

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1513528 |
| Client: | Haley & Aldrich, Inc.<br>465 Medford Street, Suite 2200<br>Charlestown, MA 02129-1400 |
| ATTN: | Kate Dilawari |
| Phone: | (617) 886-7458 |
| Project Name: | SMITH CENTER |
| Project Number: | 41383-001 |
| Report Date: | 06/19/15 |



Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L1513528-01 | SUMP-1 | WATER | Not Specified | 06/16/15 09:30 | 06/16/15 |
| L1513528-02 | TRIP BLANK | WATER | Not Specified | 06/12/15 00:00 | 06/16/15 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

| | | | |
|---|---|---|---|
| **Project Name:** | SMITH CENTER | **Lab Number:** | L1513528 |
| **Project Number:** | 41383-001 | **Report Date:** | 06/19/15 |

**Case Narrative (continued)**

Semivolatile Organics

The WG794222-2 LCS recovery, associated with L1513528-01, is below the acceptance criteria for benzidine (1%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

WG794477-1: The Method Blank, associated with L1513528-01, has a concentration above the reporting limit for chromium and nickel. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG794469-4 MS recovery, performed on L1513528-01, is outside the acceptance criteria for iron (39%). A post digestion spike was performed and was within acceptance criteria.

The WG794477-4 MS recovery, performed on L1513528-01, is outside the acceptance criteria for chromium (65%). A post digestion spike was performed and was within acceptance criteria.

The WG794469-3 Laboratory Duplicate RPD, performed on L1513528-01, is outside the acceptance criteria for iron (53%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

The WG794477-3 Laboratory Duplicate RPDs, performed on L1513528-01, are outside the acceptance criteria for chromium (52%), nickel (52%), and selenium (28%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

Dissolved Metals

The WG794458-3 Laboratory Duplicate RPDs, performed on L1513528-01, are outside the acceptance criteria for antimony (56%), arsenic (65%), chromium (76%), copper (68%), nickel (79%), and selenium (59%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/19/15

# ORGANICS

# VOLATILES

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/19/15 17:50
Analyst: MS

Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 3.0 | -- | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 0.75 | -- | 1 |
| Chloroform | ND | | ug/l | 0.75 | -- | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | -- | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.8 | -- | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | -- | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 0.75 | -- | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | -- | 1 |
| Chlorobenzene | ND | | ug/l | 0.50 | -- | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | -- | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | -- | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 0.50 | -- | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | -- | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | -- | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | -- | 1 |
| Bromoform | ND | | ug/l | 2.0 | -- | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- | 1 |
| Benzene | ND | | ug/l | 0.50 | -- | 1 |
| Toluene | ND | | ug/l | 0.75 | -- | 1 |
| Ethylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| Chloromethane | ND | | ug/l | 2.5 | -- | 1 |
| Bromomethane | ND | | ug/l | 1.0 | -- | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | -- | 1 |
| Chloroethane | ND | | ug/l | 1.0 | -- | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | -- | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 0.75 | -- | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 0.50 | -- | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | -- | 1 |

**Project Name:** SMITH CENTER **Lab Number:** L1513528

**Project Number:** 41383-001 **Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01 Date Collected: 06/16/15 09:30

Client ID: SUMP-1 Date Received: 06/16/15

Sample Location: Not Specified Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| Methyl tert butyl ether | ND | | ug/l | 1.0 | -- | 1 |
| p/m-Xylene | ND | | ug/l | 1.0 | -- | 1 |
| o-Xylene | ND | | ug/l | 1.0 | -- | 1 |
| Xylenes, Total | ND | | ug/l | 1.0 | -- | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 0.50 | -- | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | -- | 1 |
| 1,4-Dichlorobutane | ND | | ug/l | 5.0 | -- | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 5.0 | -- | 1 |
| Styrene | ND | | ug/l | 1.0 | -- | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | -- | 1 |
| Acetone | ND | | ug/l | 5.0 | -- | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | -- | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | -- | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | -- | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | -- | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | -- | 1 |
| Ethyl methacrylate | ND | | ug/l | 5.0 | -- | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | -- | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | -- | 1 |
| Tetrahydrofuran | ND | | ug/l | 5.0 | -- | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | -- | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | -- | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | -- | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | -- | 1 |
| n-Butylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| sec-Butylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | -- | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | -- | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | -- | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | -- | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | -- | 1 |
| Isopropylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| p-Isopropyltoluene | ND | | ug/l | 0.50 | -- | 1 |
| Naphthalene | ND | | ug/l | 2.5 | -- | 1 |
| n-Propylbenzene | ND | | ug/l | 0.50 | -- | 1 |

**Project Name:** SMITH CENTER **Lab Number:** L1513528

**Project Number:** 41383-001 **Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01 Date Collected: 06/16/15 09:30

Client ID: SUMP-1 Date Received: 06/16/15

Sample Location: Not Specified Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,3,5-Trichlorobenzene | ND | | ug/l | 2.0 | -- | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | -- | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | -- | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 114 | | 70-130 |
| Dibromofluoromethane | 110 | | 70-130 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 06/19/15 17:50
Analyst: MS

Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| 1,4-Dioxane | ND | | ug/l | 3.0 | -- | 1 |

**Project Name:** SMITH CENTER
**Lab Number:** L1513528
**Project Number:** 41383-001
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water
Analytical Method: 14,504.1
Analytical Date: 06/18/15 15:19
Analyst: NS

Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified
Extraction Date: 06/18/15 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Microextractables by GC - Westborough Lab** | | | | | | | |
| 1,2-Dibromoethane | ND | | ug/l | 0.010 | -- | 1 | A |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 0.010 | -- | 1 | A |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-02
Client ID: TRIP BLANK
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/18/15 12:00
Analyst: PD

Date Collected: 06/12/15 00:00
Date Received: 06/16/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 3.0 | -- | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 0.75 | -- | 1 |
| Chloroform | ND | | ug/l | 0.75 | -- | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | -- | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.8 | -- | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | -- | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 0.75 | -- | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | -- | 1 |
| Chlorobenzene | ND | | ug/l | 0.50 | -- | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | -- | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | -- | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 0.50 | -- | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | -- | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | -- | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | -- | 1 |
| Bromoform | ND | | ug/l | 2.0 | -- | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- | 1 |
| Benzene | ND | | ug/l | 0.50 | -- | 1 |
| Toluene | ND | | ug/l | 0.75 | -- | 1 |
| Ethylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| Chloromethane | ND | | ug/l | 2.5 | -- | 1 |
| Bromomethane | ND | | ug/l | 1.0 | -- | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | -- | 1 |
| Chloroethane | ND | | ug/l | 1.0 | -- | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | -- | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 0.75 | -- | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 0.50 | -- | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | -- | 1 |

**Project Name:** SMITH CENTER **Lab Number:** L1513528

**Project Number:** 41383-001 **Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-02 Date Collected: 06/12/15 00:00

Client ID: TRIP BLANK Date Received: 06/16/15

Sample Location: Not Specified Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| Methyl tert butyl ether | ND | | ug/l | 1.0 | -- | 1 |
| p/m-Xylene | ND | | ug/l | 1.0 | -- | 1 |
| o-Xylene | ND | | ug/l | 1.0 | -- | 1 |
| Xylenes, Total | ND | | ug/l | 1.0 | -- | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 0.50 | -- | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | -- | 1 |
| 1,4-Dichlorobutane | ND | | ug/l | 5.0 | -- | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 5.0 | -- | 1 |
| Styrene | ND | | ug/l | 1.0 | -- | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | -- | 1 |
| Acetone | ND | | ug/l | 5.0 | -- | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | -- | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | -- | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | -- | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | -- | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | -- | 1 |
| Ethyl methacrylate | ND | | ug/l | 5.0 | -- | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | -- | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | -- | 1 |
| Tetrahydrofuran | ND | | ug/l | 5.0 | -- | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | -- | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | -- | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | -- | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | -- | 1 |
| n-Butylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| sec-Butylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | -- | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | -- | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | -- | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | -- | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | -- | 1 |
| Isopropylbenzene | ND | | ug/l | 0.50 | -- | 1 |
| p-Isopropyltoluene | ND | | ug/l | 0.50 | -- | 1 |
| Naphthalene | ND | | ug/l | 2.5 | -- | 1 |
| n-Propylbenzene | ND | | ug/l | 0.50 | -- | 1 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-02
Client ID: TRIP BLANK
Sample Location: Not Specified
Date Collected: 06/12/15 00:00
Date Received: 06/16/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | -- | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | -- | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | -- | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1513528-02 | Date Collected: | 06/12/15 00:00 |
| Client ID: | TRIP BLANK | Date Received: | 06/16/15 |
| Sample Location: | Not Specified | Field Prep: | Not Specified |
| Matrix: | Water | | |
| Analytical Method: | 14,504.1 | Extraction Date: | 06/18/15 13:00 |
| Analytical Date: | 06/18/15 15:36 | | |
| Analyst: | NS | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Microextractables by GC - Westborough Lab** | | | | | | | |
| 1,2-Dibromoethane | ND | | ug/l | 0.010 | -- | 1 | A |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 0.010 | -- | 1 | A |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 14,504.1
Analytical Date: 06/18/15 14:27
Analyst: NS

Extraction Date: 06/18/15 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | |
|---|---|---|---|---|---|---|
| Microextractables by GC - Westborough Lab for sample(s): 01-02 Batch: WG794872-1 | | | | | | |
| 1,2-Dibromoethane | ND | | ug/l | 0.010 | -- | A |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 0.010 | -- | A |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/15 11:05
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG794930-3 | | | | | |
| Methylene chloride | ND | | ug/l | 3.0 | -- |
| 1,1-Dichloroethane | ND | | ug/l | 0.75 | -- |
| Chloroform | ND | | ug/l | 0.75 | -- |
| Carbon tetrachloride | ND | | ug/l | 0.50 | -- |
| 1,2-Dichloropropane | ND | | ug/l | 1.8 | -- |
| Dibromochloromethane | ND | | ug/l | 0.50 | -- |
| 1,1,2-Trichloroethane | ND | | ug/l | 0.75 | -- |
| Tetrachloroethene | ND | | ug/l | 0.50 | -- |
| Chlorobenzene | ND | | ug/l | 0.50 | -- |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | -- |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | -- |
| 1,1,1-Trichloroethane | ND | | ug/l | 0.50 | -- |
| Bromodichloromethane | ND | | ug/l | 0.50 | -- |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | -- |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | -- |
| Bromoform | ND | | ug/l | 2.0 | -- |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- |
| Benzene | ND | | ug/l | 0.50 | -- |
| Toluene | ND | | ug/l | 0.75 | -- |
| Ethylbenzene | ND | | ug/l | 0.50 | -- |
| Chloromethane | ND | | ug/l | 2.5 | -- |
| Bromomethane | ND | | ug/l | 1.0 | -- |
| Vinyl chloride | ND | | ug/l | 1.0 | -- |
| Chloroethane | ND | | ug/l | 1.0 | -- |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | -- |
| trans-1,2-Dichloroethene | ND | | ug/l | 0.75 | -- |
| 1,2-Dichloroethene (total) | ND | | ug/l | 0.50 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/15 11:05
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG794930-3 | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | -- |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | -- |
| Methyl tert butyl ether | ND | | ug/l | 1.0 | -- |
| p/m-Xylene | ND | | ug/l | 1.0 | -- |
| o-Xylene | ND | | ug/l | 1.0 | -- |
| Xylene (Total) | ND | | ug/l | 1.0 | -- |
| cis-1,2-Dichloroethene | ND | | ug/l | 0.50 | -- |
| Dibromomethane | ND | | ug/l | 5.0 | -- |
| 1,4-Dichlorobutane | ND | | ug/l | 5.0 | -- |
| 1,2,3-Trichloropropane | ND | | ug/l | 5.0 | -- |
| Styrene | ND | | ug/l | 1.0 | -- |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | -- |
| Acetone | ND | | ug/l | 5.0 | -- |
| Carbon disulfide | ND | | ug/l | 5.0 | -- |
| 2-Butanone | ND | | ug/l | 5.0 | -- |
| Vinyl acetate | ND | | ug/l | 5.0 | -- |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | -- |
| 2-Hexanone | ND | | ug/l | 5.0 | -- |
| Ethyl methacrylate | ND | | ug/l | 5.0 | -- |
| Acrylonitrile | ND | | ug/l | 5.0 | -- |
| Bromochloromethane | ND | | ug/l | 2.5 | -- |
| Tetrahydrofuran | ND | | ug/l | 5.0 | -- |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | -- |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | -- |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | -- |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- |
| Bromobenzene | ND | | ug/l | 2.5 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/15 11:05
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG794930-3 | | | | | |
| n-Butylbenzene | ND | | ug/l | 0.50 | -- |
| sec-Butylbenzene | ND | | ug/l | 0.50 | -- |
| tert-Butylbenzene | ND | | ug/l | 2.5 | -- |
| o-Chlorotoluene | ND | | ug/l | 2.5 | -- |
| p-Chlorotoluene | ND | | ug/l | 2.5 | -- |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | -- |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | -- |
| Isopropylbenzene | ND | | ug/l | 0.50 | -- |
| p-Isopropyltoluene | ND | | ug/l | 0.50 | -- |
| Naphthalene | ND | | ug/l | 2.5 | -- |
| n-Propylbenzene | ND | | ug/l | 0.50 | -- |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | -- |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | -- |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | -- |
| Ethyl ether | ND | | ug/l | 2.5 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 06/19/15 17:17
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG795428-3 | | | | | |
| 1,4-Dioxane | ND | | ug/l | 3.0 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 17:17
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG795429-3 | | | | | |
| Methylene chloride | ND | | ug/l | 3.0 | -- |
| 1,1-Dichloroethane | ND | | ug/l | 0.75 | -- |
| Chloroform | ND | | ug/l | 0.75 | -- |
| Carbon tetrachloride | ND | | ug/l | 0.50 | -- |
| 1,2-Dichloropropane | ND | | ug/l | 1.8 | -- |
| Dibromochloromethane | ND | | ug/l | 0.50 | -- |
| 1,1,2-Trichloroethane | ND | | ug/l | 0.75 | -- |
| 2-Chloroethylvinyl ether | ND | | ug/l | 10 | -- |
| Tetrachloroethene | ND | | ug/l | 0.50 | -- |
| Chlorobenzene | ND | | ug/l | 0.50 | -- |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | -- |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | -- |
| 1,1,1-Trichloroethane | ND | | ug/l | 0.50 | -- |
| Bromodichloromethane | ND | | ug/l | 0.50 | -- |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | -- |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | -- |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | -- |
| Bromoform | ND | | ug/l | 2.0 | -- |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- |
| Benzene | ND | | ug/l | 0.50 | -- |
| Toluene | ND | | ug/l | 0.75 | -- |
| Ethylbenzene | ND | | ug/l | 0.50 | -- |
| Chloromethane | ND | | ug/l | 2.5 | -- |
| Bromomethane | ND | | ug/l | 1.0 | -- |
| Vinyl chloride | ND | | ug/l | 1.0 | -- |
| Chloroethane | ND | | ug/l | 1.0 | -- |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | -- |
| trans-1,2-Dichloroethene | ND | | ug/l | 0.75 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 17:17
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG795429-3 | | | | | |
| 1,2-Dichloroethene (total) | ND | | ug/l | 0.50 | -- |
| Trichloroethene | ND | | ug/l | 0.50 | -- |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | -- |
| Methyl tert butyl ether | ND | | ug/l | 1.0 | -- |
| p/m-Xylene | ND | | ug/l | 1.0 | -- |
| o-Xylene | ND | | ug/l | 1.0 | -- |
| Xylene (Total) | ND | | ug/l | 1.0 | -- |
| cis-1,2-Dichloroethene | ND | | ug/l | 0.50 | -- |
| Dibromomethane | ND | | ug/l | 5.0 | -- |
| 1,4-Dichlorobutane | ND | | ug/l | 5.0 | -- |
| 1,2,3-Trichloropropane | ND | | ug/l | 5.0 | -- |
| Styrene | ND | | ug/l | 1.0 | -- |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | -- |
| Acetone | ND | | ug/l | 5.0 | -- |
| Carbon disulfide | ND | | ug/l | 5.0 | -- |
| 2-Butanone | ND | | ug/l | 5.0 | -- |
| Vinyl acetate | ND | | ug/l | 5.0 | -- |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | -- |
| 2-Hexanone | ND | | ug/l | 5.0 | -- |
| Ethyl methacrylate | ND | | ug/l | 5.0 | -- |
| Acrylonitrile | ND | | ug/l | 5.0 | -- |
| Bromochloromethane | ND | | ug/l | 2.5 | -- |
| Tetrahydrofuran | ND | | ug/l | 5.0 | -- |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | -- |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | -- |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | -- |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 0.50 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 17:17
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG795429-3 | | | | | |
| Bromobenzene | ND | | ug/l | 2.5 | -- |
| n-Butylbenzene | ND | | ug/l | 0.50 | -- |
| sec-Butylbenzene | ND | | ug/l | 0.50 | -- |
| tert-Butylbenzene | ND | | ug/l | 2.5 | -- |
| o-Chlorotoluene | ND | | ug/l | 2.5 | -- |
| p-Chlorotoluene | ND | | ug/l | 2.5 | -- |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | -- |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | -- |
| Isopropylbenzene | ND | | ug/l | 0.50 | -- |
| p-Isopropyltoluene | ND | | ug/l | 0.50 | -- |
| Naphthalene | ND | | ug/l | 2.5 | -- |
| n-Propylbenzene | ND | | ug/l | 0.50 | -- |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | -- |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | -- |
| 1,3,5-Trichlorobenzene | ND | | ug/l | 2.0 | -- |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | -- |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | -- |
| Ethyl ether | ND | | ug/l | 2.5 | -- |
| Methyl Acetate | ND | | ug/l | 10 | -- |
| Ethyl Acetate | ND | | ug/l | 10 | -- |
| Isopropyl Ether | ND | | ug/l | 2.0 | -- |
| Cyclohexane | ND | | ug/l | 10 | -- |
| tert-Butyl Alcohol | ND | | ug/l | 10 | -- |
| Ethyl-Tert-Butyl-Ether | ND | | ug/l | 2.0 | -- |
| Tertiary-Amyl Methyl Ether | ND | | ug/l | 2.0 | -- |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | ug/l | 10 | -- |
| Methyl cyclohexane | ND | | ug/l | 10 | -- |
| 1,4-Diethylbenzene | ND | | ug/l | 2.0 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 17:17
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG795429-3 | | | | | |
| 4-Ethyltoluene | ND | | ug/l | 2.0 | -- |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 120 | | 70-130 |
| Dibromofluoromethane | 112 | | 70-130 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER

**Project Number:** 41383-001

**Lab Number:** L1513528

**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Microextractables by GC - Westborough Lab | Associated sample(s): 01-02 | | Batch: WG794872-2 | | | | | | |
| 1,2-Dibromoethane | 98 | | - | | 70-130 | - | | 20 | A |
| 1,2-Dibromo-3-chloropropane | 97 | | - | | 70-130 | - | | 20 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG794930-1 WG794930-2 | | | | | | | | |
| Methylene chloride | 104 | | 96 | | 70-130 | 8 | | 20 |
| 1,1-Dichloroethane | 99 | | 92 | | 70-130 | 7 | | 20 |
| Chloroform | 100 | | 92 | | 70-130 | 8 | | 20 |
| Carbon tetrachloride | 91 | | 87 | | 63-132 | 4 | | 20 |
| 1,2-Dichloropropane | 100 | | 91 | | 70-130 | 9 | | 20 |
| Dibromochloromethane | 99 | | 93 | | 63-130 | 6 | | 20 |
| 1,1,2-Trichloroethane | 103 | | 96 | | 70-130 | 7 | | 20 |
| Tetrachloroethene | 96 | | 89 | | 70-130 | 8 | | 20 |
| Chlorobenzene | 102 | | 92 | | 75-130 | 10 | | 25 |
| Trichlorofluoromethane | 91 | | 87 | | 62-150 | 4 | | 20 |
| 1,2-Dichloroethane | 99 | | 91 | | 70-130 | 8 | | 20 |
| 1,1,1-Trichloroethane | 94 | | 89 | | 67-130 | 5 | | 20 |
| Bromodichloromethane | 98 | | 91 | | 67-130 | 7 | | 20 |
| trans-1,3-Dichloropropene | 100 | | 91 | | 70-130 | 9 | | 20 |
| cis-1,3-Dichloropropene | 101 | | 91 | | 70-130 | 10 | | 20 |
| 1,1-Dichloropropene | 95 | | 88 | | 70-130 | 8 | | 20 |
| Bromoform | 91 | | 84 | | 54-136 | 8 | | 20 |
| 1,1,2,2-Tetrachloroethane | 101 | | 92 | | 67-130 | 9 | | 20 |
| Benzene | 99 | | 90 | | 70-130 | 10 | | 25 |
| Toluene | 100 | | 90 | | 70-130 | 11 | | 25 |
| Ethylbenzene | 100 | | 91 | | 70-130 | 9 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG794930-1 WG794930-2 | | | | | | | | |
| Chloromethane | 104 | | 94 | | 64-130 | 10 | | 20 |
| Bromomethane | 137 | | 137 | | 39-139 | 0 | | 20 |
| Vinyl chloride | 101 | | 97 | | 55-140 | 4 | | 20 |
| Chloroethane | 98 | | 92 | | 55-138 | 6 | | 20 |
| 1,1-Dichloroethene | 96 | | 92 | | 61-145 | 4 | | 25 |
| trans-1,2-Dichloroethene | 98 | | 90 | | 70-130 | 9 | | 20 |
| Trichloroethene | 98 | | 90 | | 70-130 | 9 | | 25 |
| 1,2-Dichlorobenzene | 98 | | 91 | | 70-130 | 7 | | 20 |
| 1,3-Dichlorobenzene | 101 | | 92 | | 70-130 | 9 | | 20 |
| 1,4-Dichlorobenzene | 100 | | 90 | | 70-130 | 11 | | 20 |
| Methyl tert butyl ether | 96 | | 91 | | 63-130 | 5 | | 20 |
| p/m-Xylene | 100 | | 92 | | 70-130 | 8 | | 20 |
| o-Xylene | 101 | | 92 | | 70-130 | 9 | | 20 |
| cis-1,2-Dichloroethene | 101 | | 94 | | 70-130 | 7 | | 20 |
| Dibromomethane | 102 | | 92 | | 70-130 | 10 | | 20 |
| 1,4-Dichlorobutane | 97 | | 91 | | 70-130 | 6 | | 20 |
| 1,2,3-Trichloropropane | 98 | | 94 | | 64-130 | 4 | | 20 |
| Styrene | 100 | | 90 | | 70-130 | 11 | | 20 |
| Dichlorodifluoromethane | 93 | | 86 | | 36-147 | 8 | | 20 |
| Acetone | 123 | | 120 | | 58-148 | 2 | | 20 |
| Carbon disulfide | 89 | | 84 | | 51-130 | 6 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG794930-1 WG794930-2 | | | | | | | | |
| 2-Butanone | 120 | | 121 | | 63-138 | 1 | | 20 |
| Vinyl acetate | 96 | | 91 | | 70-130 | 5 | | 20 |
| 4-Methyl-2-pentanone | 92 | | 85 | | 59-130 | 8 | | 20 |
| 2-Hexanone | 96 | | 91 | | 57-130 | 5 | | 20 |
| Ethyl methacrylate | 98 | | 91 | | 70-130 | 7 | | 20 |
| Acrylonitrile | 100 | | 90 | | 70-130 | 11 | | 20 |
| Bromochloromethane | 103 | | 96 | | 70-130 | 7 | | 20 |
| Tetrahydrofuran | 99 | | 96 | | 58-130 | 3 | | 20 |
| 2,2-Dichloropropane | 100 | | 93 | | 63-133 | 7 | | 20 |
| 1,2-Dibromoethane | 104 | | 96 | | 70-130 | 8 | | 20 |
| 1,3-Dichloropropane | 102 | | 92 | | 70-130 | 10 | | 20 |
| 1,1,1,2-Tetrachloroethane | 100 | | 93 | | 64-130 | 7 | | 20 |
| Bromobenzene | 100 | | 90 | | 70-130 | 11 | | 20 |
| n-Butylbenzene | 109 | | 96 | | 53-136 | 13 | | 20 |
| sec-Butylbenzene | 104 | | 93 | | 70-130 | 11 | | 20 |
| tert-Butylbenzene | 101 | | 90 | | 70-130 | 12 | | 20 |
| o-Chlorotoluene | 100 | | 89 | | 70-130 | 12 | | 20 |
| p-Chlorotoluene | 102 | | 91 | | 70-130 | 11 | | 20 |
| 1,2-Dibromo-3-chloropropane | 99 | | 92 | | 41-144 | 7 | | 20 |
| Hexachlorobutadiene | 112 | | 102 | | 63-130 | 9 | | 20 |
| Isopropylbenzene | 99 | | 89 | | 70-130 | 11 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG794930-1 WG794930-2 | | | | | | | | |
| p-Isopropyltoluene | 106 | | 94 | | 70-130 | 12 | | 20 |
| Naphthalene | 93 | | 98 | | 70-130 | 5 | | 20 |
| n-Propylbenzene | 100 | | 90 | | 69-130 | 11 | | 20 |
| 1,2,3-Trichlorobenzene | 92 | | 96 | | 70-130 | 4 | | 20 |
| 1,2,4-Trichlorobenzene | 96 | | 92 | | 70-130 | 4 | | 20 |
| 1,3,5-Trimethylbenzene | 103 | | 91 | | 64-130 | 12 | | 20 |
| 1,2,4-Trimethylbenzene | 104 | | 91 | | 70-130 | 13 | | 20 |
| trans-1,4-Dichloro-2-butene | 95 | | 91 | | 70-130 | 4 | | 20 |
| Ethyl ether | 102 | | 96 | | 59-134 | 6 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 98 | | 70-130 |
| Toluene-d8 | 101 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 99 | | 70-130 |
| Dibromofluoromethane | 97 | | 99 | | 70-130 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER

**Project Number:** 41383-001

**Lab Number:** L1513528

**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG795428-1 WG795428-2 | | | | | | | | |
| 1,4-Dioxane | 93 | | 118 | | 70-130 | 24 | | 25 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG795429-1 WG795429-2 | | | | | | | | |
| Methylene chloride | 101 | | 112 | | 70-130 | 10 | | 20 |
| 1,1-Dichloroethane | 98 | | 96 | | 70-130 | 2 | | 20 |
| Chloroform | 96 | | 100 | | 70-130 | 4 | | 20 |
| Carbon tetrachloride | 93 | | 96 | | 63-132 | 3 | | 20 |
| 1,2-Dichloropropane | 102 | | 102 | | 70-130 | 0 | | 20 |
| Dibromochloromethane | 92 | | 96 | | 63-130 | 4 | | 20 |
| 1,1,2-Trichloroethane | 97 | | 100 | | 70-130 | 3 | | 20 |
| 2-Chloroethylvinyl ether | 91 | | 102 | | 70-130 | 11 | | 20 |
| Tetrachloroethene | 98 | | 99 | | 70-130 | 1 | | 20 |
| Chlorobenzene | 96 | | 99 | | 75-130 | 3 | | 25 |
| Trichlorofluoromethane | 118 | | 118 | | 62-150 | 0 | | 20 |
| 1,2-Dichloroethane | 102 | | 102 | | 70-130 | 0 | | 20 |
| 1,1,1-Trichloroethane | 98 | | 96 | | 67-130 | 2 | | 20 |
| Bromodichloromethane | 96 | | 99 | | 67-130 | 3 | | 20 |
| trans-1,3-Dichloropropene | 93 | | 94 | | 70-130 | 1 | | 20 |
| cis-1,3-Dichloropropene | 96 | | 96 | | 70-130 | 0 | | 20 |
| 1,1-Dichloropropene | 101 | | 102 | | 70-130 | 1 | | 20 |
| Bromoform | 89 | | 87 | | 54-136 | 2 | | 20 |
| 1,1,2,2-Tetrachloroethane | 95 | | 97 | | 67-130 | 2 | | 20 |
| Benzene | 95 | | 97 | | 70-130 | 2 | | 25 |
| Toluene | 96 | | 96 | | 70-130 | 0 | | 25 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG795429-1 WG795429-2 | | | | | | | | |
| Ethylbenzene | 98 | | 101 | | 70-130 | 3 | | 20 |
| Chloromethane | 97 | | 101 | | 64-130 | 4 | | 20 |
| Bromomethane | 94 | | 114 | | 39-139 | 19 | | 20 |
| Vinyl chloride | 106 | | 116 | | 55-140 | 9 | | 20 |
| Chloroethane | 111 | | 111 | | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 106 | | 107 | | 61-145 | 1 | | 25 |
| trans-1,2-Dichloroethene | 104 | | 104 | | 70-130 | 0 | | 20 |
| Trichloroethene | 98 | | 100 | | 70-130 | 2 | | 25 |
| 1,2-Dichlorobenzene | 92 | | 94 | | 70-130 | 2 | | 20 |
| 1,3-Dichlorobenzene | 94 | | 97 | | 70-130 | 3 | | 20 |
| 1,4-Dichlorobenzene | 91 | | 94 | | 70-130 | 3 | | 20 |
| Methyl tert butyl ether | 108 | | 110 | | 63-130 | 2 | | 20 |
| p/m-Xylene | 100 | | 102 | | 70-130 | 2 | | 20 |
| o-Xylene | 100 | | 106 | | 70-130 | 6 | | 20 |
| cis-1,2-Dichloroethene | 93 | | 96 | | 70-130 | 3 | | 20 |
| Dibromomethane | 71 | | 74 | | 70-130 | 4 | | 20 |
| 1,4-Dichlorobutane | 97 | | 91 | | 70-130 | 6 | | 20 |
| 1,2,3-Trichloropropane | 95 | | 91 | | 64-130 | 4 | | 20 |
| Styrene | 99 | | 105 | | 70-130 | 6 | | 20 |
| Dichlorodifluoromethane | 105 | | 104 | | 36-147 | 1 | | 20 |
| Acetone | 135 | | **198** | Q | 58-148 | **38** | Q | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG795429-1 WG795429-2 | | | | | | | | |
| Carbon disulfide | 99 | | 106 | | 51-130 | 7 | | 20 |
| 2-Butanone | **163** | Q | **164** | Q | 63-138 | 1 | | 20 |
| Vinyl acetate | 98 | | 101 | | 70-130 | 3 | | 20 |
| 4-Methyl-2-pentanone | 101 | | 106 | | 59-130 | 5 | | 20 |
| 2-Hexanone | 109 | | 114 | | 57-130 | 4 | | 20 |
| Ethyl methacrylate | 101 | | 100 | | 70-130 | 1 | | 20 |
| Acrylonitrile | 96 | | 103 | | 70-130 | 7 | | 20 |
| Bromochloromethane | 98 | | 97 | | 70-130 | 1 | | 20 |
| Tetrahydrofuran | 109 | | 119 | | 58-130 | 9 | | 20 |
| 2,2-Dichloropropane | 91 | | 92 | | 63-133 | 1 | | 20 |
| 1,2-Dibromoethane | 101 | | 102 | | 70-130 | 1 | | 20 |
| 1,3-Dichloropropane | 101 | | 103 | | 70-130 | 2 | | 20 |
| 1,1,1,2-Tetrachloroethane | 92 | | 94 | | 64-130 | 2 | | 20 |
| Bromobenzene | 92 | | 90 | | 70-130 | 2 | | 20 |
| n-Butylbenzene | 102 | | 104 | | 53-136 | 2 | | 20 |
| sec-Butylbenzene | 96 | | 96 | | 70-130 | 0 | | 20 |
| tert-Butylbenzene | 92 | | 91 | | 70-130 | 1 | | 20 |
| o-Chlorotoluene | 92 | | 91 | | 70-130 | 1 | | 20 |
| p-Chlorotoluene | 92 | | 93 | | 70-130 | 1 | | 20 |
| 1,2-Dibromo-3-chloropropane | 107 | | 106 | | 41-144 | 1 | | 20 |
| Hexachlorobutadiene | 99 | | 96 | | 63-130 | 3 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG795429-1 WG795429-2 | | | | | | | | |
| Isopropylbenzene | 92 | | 86 | | 70-130 | 7 | | 20 |
| p-Isopropyltoluene | 94 | | 97 | | 70-130 | 3 | | 20 |
| Naphthalene | 85 | | 84 | | 70-130 | 1 | | 20 |
| n-Propylbenzene | 96 | | 93 | | 69-130 | 3 | | 20 |
| 1,2,3-Trichlorobenzene | 88 | | 89 | | 70-130 | 1 | | 20 |
| 1,2,4-Trichlorobenzene | 86 | | 87 | | 70-130 | 1 | | 20 |
| 1,3,5-Trimethylbenzene | 92 | | 94 | | 64-130 | 2 | | 20 |
| 1,3,5-Trichlorobenzene | 95 | | 95 | | 70-130 | 0 | | 20 |
| 1,2,4-Trimethylbenzene | 95 | | 94 | | 70-130 | 1 | | 20 |
| trans-1,4-Dichloro-2-butene | 91 | | 90 | | 70-130 | 1 | | 20 |
| Ethyl ether | 112 | | 114 | | 59-134 | 2 | | 20 |
| Methyl Acetate | 113 | | 121 | | 70-130 | 7 | | 20 |
| Ethyl Acetate | 102 | | 109 | | 70-130 | 7 | | 20 |
| Isopropyl Ether | 96 | | 99 | | 70-130 | 3 | | 20 |
| Cyclohexane | 101 | | 100 | | 70-130 | 1 | | 20 |
| Tert-Butyl Alcohol | **140** | Q | **142** | Q | 70-130 | 1 | | 20 |
| Ethyl-Tert-Butyl-Ether | 95 | | 96 | | 70-130 | 1 | | 20 |
| Tertiary-Amyl Methyl Ether | 93 | | 97 | | 66-130 | 4 | | 20 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 111 | | 107 | | 70-130 | 4 | | 20 |
| Methyl cyclohexane | 100 | | 99 | | 70-130 | 1 | | 20 |
| p-Diethylbenzene | 95 | | 98 | | 70-130 | 3 | | 20 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG795429-1 WG795429-2 | | | | | | | | |
| 4-Ethyltoluene | 94 | | 92 | | 70-130 | 2 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 93 | | 92 | | 70-130 | 1 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | | 106 | | 70-130 |
| Toluene-d8 | 103 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 88 | | 88 | | 70-130 |
| Dibromofluoromethane | 99 | | 100 | | 70-130 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Microextractables by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG794872-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | | | | |
| 1,2-Dibromoethane | ND | 0.247 | 0.256 | 104 | | - | - | | 70-130 | - | | 20 | A |
| 1,2-Dibromo-3-chloropropane | ND | 0.247 | 0.251 | 102 | | - | - | | 70-130 | - | | 20 | A |

# SEMIVOLATILES

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/17/15 12:03
Analyst: RC

Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/16/15 20:01

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzidine | ND | | ug/l | 20 | -- | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | -- | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | -- | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | -- | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | -- | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | -- | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | -- | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | -- | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | -- | 1 |
| Azobenzene | ND | | ug/l | 2.0 | -- | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | -- | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | -- | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | -- | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | -- | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | -- | 1 |
| Isophorone | ND | | ug/l | 5.0 | -- | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | -- | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | -- | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | -- | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | -- | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | -- | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | -- | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | -- | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | -- | 1 |
| Aniline | ND | | ug/l | 2.0 | -- | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | -- | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | -- | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | -- | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | -- | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | -- | 1 |

**Project Name:** SMITH CENTER **Lab Number:** L1513528

**Project Number:** 41383-001 **Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01 Date Collected: 06/16/15 09:30

Client ID: SUMP-1 Date Received: 06/16/15

Sample Location: Not Specified Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Nitrosodimethylamine | ND | | ug/l | 2.0 | -- | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | -- | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | -- | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | -- | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | -- | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | -- | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | -- | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | -- | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | -- | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | -- | 1 |
| Phenol | ND | | ug/l | 5.0 | -- | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | -- | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | -- | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | -- | 1 |
| Benzoic Acid | ND | | ug/l | 50 | -- | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | -- | 1 |
| Carbazole | ND | | ug/l | 2.0 | -- | 1 |
| Pyridine | ND | | ug/l | 5.0 | -- | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 35 | | 21-120 |
| Phenol-d6 | 24 | | 10-120 |
| Nitrobenzene-d5 | 63 | | 23-120 |
| 2-Fluorobiphenyl | 62 | | 15-120 |
| 2,4,6-Tribromophenol | 69 | | 10-120 |
| 4-Terphenyl-d14 | 74 | | 41-149 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/18/15 13:49
Analyst: KV

Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/16/15 20:06

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | -- | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | -- | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | -- | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | -- | 1 |
| Naphthalene | ND | | ug/l | 0.20 | -- | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | -- | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | -- | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | -- | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | -- | 1 |
| Chrysene | ND | | ug/l | 0.20 | -- | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | -- | 1 |
| Anthracene | ND | | ug/l | 0.20 | -- | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | -- | 1 |
| Fluorene | ND | | ug/l | 0.20 | -- | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | -- | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | -- | 1 |
| Pyrene | ND | | ug/l | 0.20 | -- | 1 |
| 1-Methylnaphthalene | ND | | ug/l | 0.20 | -- | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | -- | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | -- | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | -- | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | -- | 1 |

**Project Name:** SMITH CENTER
**Lab Number:** L1513528
**Project Number:** 41383-001
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 35 | | 21-120 |
| Phenol-d6 | 23 | | 10-120 |
| Nitrobenzene-d5 | 63 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 80 | | 10-120 |
| 4-Terphenyl-d14 | 71 | | 41-149 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/17/15 10:46
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 06/16/15 20:01

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG794222-1 | | | | | |
| Benzidine | ND | | ug/l | 20 | -- |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | -- |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | -- |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | -- |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | -- |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | -- |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | -- |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | -- |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | -- |
| Azobenzene | ND | | ug/l | 2.0 | -- |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | -- |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | -- |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | -- |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | -- |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | -- |
| Isophorone | ND | | ug/l | 5.0 | -- |
| Nitrobenzene | ND | | ug/l | 2.0 | -- |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | -- |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | -- |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | -- |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | -- |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | -- |
| Diethyl phthalate | ND | | ug/l | 5.0 | -- |
| Dimethyl phthalate | ND | | ug/l | 5.0 | -- |
| Aniline | ND | | ug/l | 2.0 | -- |
| 4-Chloroaniline | ND | | ug/l | 5.0 | -- |
| 2-Nitroaniline | ND | | ug/l | 5.0 | -- |
| 3-Nitroaniline | ND | | ug/l | 5.0 | -- |
| 4-Nitroaniline | ND | | ug/l | 5.0 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/17/15 10:46
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 06/16/15 20:01

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG794222-1 | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | -- |
| n-Nitrosodimethylamine | ND | | ug/l | 2.0 | -- |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | -- |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | -- |
| 2-Chlorophenol | ND | | ug/l | 2.0 | -- |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | -- |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | -- |
| 2-Nitrophenol | ND | | ug/l | 10 | -- |
| 4-Nitrophenol | ND | | ug/l | 10 | -- |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | -- |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | -- |
| Phenol | ND | | ug/l | 5.0 | -- |
| 2-Methylphenol | ND | | ug/l | 5.0 | -- |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | -- |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | -- |
| Benzoic Acid | ND | | ug/l | 50 | -- |
| Benzyl Alcohol | ND | | ug/l | 2.0 | -- |
| Carbazole | ND | | ug/l | 2.0 | -- |
| Pyridine | ND | | ug/l | 5.0 | -- |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 28 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 49 | | 23-120 |
| 2-Fluorobiphenyl | 51 | | 15-120 |
| 2,4,6-Tribromophenol | 57 | | 10-120 |
| 4-Terphenyl-d14 | 72 | | 41-149 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/18/15 12:15
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/16/15 20:06

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG794224-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | -- |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | -- |
| Fluoranthene | ND | | ug/l | 0.20 | -- |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | -- |
| Naphthalene | ND | | ug/l | 0.20 | -- |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | -- |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | -- |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | -- |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | -- |
| Chrysene | ND | | ug/l | 0.20 | -- |
| Acenaphthylene | ND | | ug/l | 0.20 | -- |
| Anthracene | ND | | ug/l | 0.20 | -- |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | -- |
| Fluorene | ND | | ug/l | 0.20 | -- |
| Phenanthrene | ND | | ug/l | 0.20 | -- |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | -- |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | -- |
| Pyrene | ND | | ug/l | 0.20 | -- |
| 1-Methylnaphthalene | ND | | ug/l | 0.20 | -- |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | -- |
| Pentachlorophenol | ND | | ug/l | 0.80 | -- |
| Hexachlorobenzene | ND | | ug/l | 0.80 | -- |
| Hexachloroethane | ND | | ug/l | 0.80 | -- |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/18/15 12:15
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/16/15 20:06

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG794224-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 29 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 51 | | 23-120 |
| 2-Fluorobiphenyl | 54 | | 15-120 |
| 2,4,6-Tribromophenol | 66 | | 10-120 |
| 4-Terphenyl-d14 | 70 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG794222-2 WG794222-3 | | | | | | | | |
| Benzidine | **1** | Q | 22 | | 10-75 | **178** | Q | 30 |
| 1,2,4-Trichlorobenzene | 54 | | 64 | | 39-98 | 17 | | 30 |
| Bis(2-chloroethyl)ether | 75 | | 81 | | 40-140 | 8 | | 30 |
| 1,2-Dichlorobenzene | 59 | | 64 | | 40-140 | 8 | | 30 |
| 1,3-Dichlorobenzene | 55 | | 60 | | 40-140 | 9 | | 30 |
| 1,4-Dichlorobenzene | 58 | | 62 | | 36-97 | 7 | | 30 |
| 3,3'-Dichlorobenzidine | 89 | | 116 | | 40-140 | 26 | | 30 |
| 2,4-Dinitrotoluene | 89 | | **129** | Q | 24-96 | **37** | Q | 30 |
| 2,6-Dinitrotoluene | 87 | | 120 | | 40-140 | **32** | Q | 30 |
| Azobenzene | 85 | | 94 | | 40-140 | 10 | | 30 |
| 4-Chlorophenyl phenyl ether | 80 | | 95 | | 40-140 | 17 | | 30 |
| 4-Bromophenyl phenyl ether | 85 | | 100 | | 40-140 | 16 | | 30 |
| Bis(2-chloroisopropyl)ether | 78 | | 70 | | 40-140 | 11 | | 30 |
| Bis(2-chloroethoxy)methane | 80 | | 86 | | 40-140 | 7 | | 30 |
| Hexachlorocyclopentadiene | 44 | | 64 | | 40-140 | **37** | Q | 30 |
| Isophorone | 85 | | 88 | | 40-140 | 3 | | 30 |
| Nitrobenzene | 76 | | 91 | | 40-140 | 18 | | 30 |
| NDPA/DPA | 83 | | 105 | | 40-140 | 23 | | 30 |
| Bis(2-ethylhexyl)phthalate | 88 | | 110 | | 40-140 | 22 | | 30 |
| Butyl benzyl phthalate | 91 | | 105 | | 40-140 | 14 | | 30 |
| Di-n-butylphthalate | 86 | | 109 | | 40-140 | 24 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG794222-2 WG794222-3 | | | | | | | | |
| Di-n-octylphthalate | 94 | | 118 | | 40-140 | 23 | | 30 |
| Diethyl phthalate | 84 | | 106 | | 40-140 | 23 | | 30 |
| Dimethyl phthalate | 82 | | 104 | | 40-140 | 24 | | 30 |
| Aniline | 48 | | 59 | | 40-140 | 21 | | 30 |
| 4-Chloroaniline | 95 | | 93 | | 40-140 | 2 | | 30 |
| 2-Nitroaniline | 93 | | 117 | | 52-143 | 23 | | 30 |
| 3-Nitroaniline | 73 | | 98 | | 25-145 | 29 | | 30 |
| 4-Nitroaniline | 86 | | 108 | | 51-143 | 23 | | 30 |
| Dibenzofuran | 77 | | 95 | | 40-140 | 21 | | 30 |
| n-Nitrosodimethylamine | 52 | | 48 | | 22-74 | 8 | | 30 |
| 2,4,6-Trichlorophenol | 81 | | 102 | | 30-130 | 23 | | 30 |
| p-Chloro-m-cresol | 83 | | **102** | Q | 23-97 | 21 | | 30 |
| 2-Chlorophenol | 72 | | 89 | | 27-123 | 21 | | 30 |
| 2,4-Dichlorophenol | 77 | | 102 | | 30-130 | 28 | | 30 |
| 2,4-Dimethylphenol | 82 | | 104 | | 30-130 | 24 | | 30 |
| 2-Nitrophenol | 76 | | 109 | | 30-130 | **36** | Q | 30 |
| 4-Nitrophenol | 63 | | 62 | | 10-80 | 2 | | 30 |
| 2,4-Dinitrophenol | 62 | | 69 | | 20-130 | 11 | | 30 |
| 4,6-Dinitro-o-cresol | 81 | | 97 | | 20-164 | 18 | | 30 |
| Phenol | 34 | | 45 | | 12-110 | 28 | | 30 |
| 2-Methylphenol | 71 | | 84 | | 30-130 | 17 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG794222-2 WG794222-3 | | | | | | | | |
| 3-Methylphenol/4-Methylphenol | 65 | | 79 | | 30-130 | 19 | | 30 |
| 2,4,5-Trichlorophenol | 79 | | 104 | | 30-130 | 27 | | 30 |
| Benzoic Acid | 15 | | 14 | | 10-164 | 7 | | 30 |
| Benzyl Alcohol | 73 | | 78 | | 26-116 | 7 | | 30 |
| Carbazole | 82 | | 104 | | 55-144 | 24 | | 30 |
| Pyridine | 10 | | 25 | | 10-66 | **86** | Q | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 49 | | 58 | | 21-120 |
| Phenol-d6 | 36 | | 42 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 95 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 95 | | 15-120 |
| 2,4,6-Tribromophenol | 77 | | 99 | | 10-120 |
| 4-Terphenyl-d14 | 78 | | 104 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG794224-2 WG794224-3 | | | | | | | | |
| Acenaphthene | 77 | | 91 | | 37-111 | 17 | | 40 |
| 2-Chloronaphthalene | 77 | | 90 | | 40-140 | 16 | | 40 |
| Fluoranthene | 91 | | 111 | | 40-140 | 20 | | 40 |
| Hexachlorobutadiene | 67 | | 74 | | 40-140 | 10 | | 40 |
| Naphthalene | 74 | | 81 | | 40-140 | 9 | | 40 |
| Benzo(a)anthracene | 94 | | 116 | | 40-140 | 21 | | 40 |
| Benzo(a)pyrene | 84 | | 103 | | 40-140 | 20 | | 40 |
| Benzo(b)fluoranthene | 97 | | 120 | | 40-140 | 21 | | 40 |
| Benzo(k)fluoranthene | 89 | | 109 | | 40-140 | 20 | | 40 |
| Chrysene | 85 | | 104 | | 40-140 | 20 | | 40 |
| Acenaphthylene | 87 | | 104 | | 40-140 | 18 | | 40 |
| Anthracene | 88 | | 108 | | 40-140 | 20 | | 40 |
| Benzo(ghi)perylene | 88 | | 108 | | 40-140 | 20 | | 40 |
| Fluorene | 84 | | 103 | | 40-140 | 20 | | 40 |
| Phenanthrene | 81 | | 98 | | 40-140 | 19 | | 40 |
| Dibenzo(a,h)anthracene | 90 | | 110 | | 40-140 | 20 | | 40 |
| Indeno(1,2,3-cd)pyrene | 94 | | 115 | | 40-140 | 20 | | 40 |
| Pyrene | 90 | | 109 | | 26-127 | 19 | | 40 |
| 1-Methylnaphthalene | 76 | | 88 | | 40-140 | 15 | | 40 |
| 2-Methylnaphthalene | 78 | | 91 | | 40-140 | 15 | | 40 |
| Pentachlorophenol | 55 | | 56 | | 9-103 | 2 | | 40 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER

**Project Number:** 41383-001

**Lab Number:** L1513528

**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG794224-2 WG794224-3 | | | | | | | | |
| Hexachlorobenzene | 81 | | 100 | | 40-140 | 21 | | 40 |
| Hexachloroethane | 72 | | 74 | | 40-140 | 3 | | 40 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 49 | | 51 | | 21-120 |
| Phenol-d6 | 34 | | 38 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 87 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 87 | | 15-120 |
| 2,4,6-Tribromophenol | 89 | | 108 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 96 | | 41-149 |

# PCBS

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water
Analytical Method: 5,608
Analytical Date: 06/17/15 05:26
Analyst: TQ

Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified
Extraction Method: EPA 608
Extraction Date: 06/16/15 19:58
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.250 | -- | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.250 | -- | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.250 | -- | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.250 | -- | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.250 | -- | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.250 | -- | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.200 | -- | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 5,608
Analytical Date: 06/17/15 05:51
Analyst: TQ

Extraction Method: EPA 608
Extraction Date: 06/16/15 19:58
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/15

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG794219-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.250 | -- | A |
| Aroclor 1221 | ND | | ug/l | 0.250 | -- | A |
| Aroclor 1232 | ND | | ug/l | 0.250 | -- | A |
| Aroclor 1242 | ND | | ug/l | 0.250 | -- | A |
| Aroclor 1248 | ND | | ug/l | 0.250 | -- | A |
| Aroclor 1254 | ND | | ug/l | 0.250 | -- | A |
| Aroclor 1260 | ND | | ug/l | 0.200 | -- | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | A |
| Decachlorobiphenyl | 54 | | 30-150 | A |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794219-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | | | | |
| Aroclor 1016 | ND | 2 | 1.72 | 86 | | - | - | | 40-140 | - | | 50 | A |
| Aroclor 1260 | ND | 2 | 1.38 | 69 | | - | - | | 40-140 | - | | 50 | A |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | | | 30-150 | A |
| Decachlorobiphenyl | 54 | | | | 30-150 | A |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER

**Project Number:** 41383-001

**Lab Number:** L1513528

**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG794219-2 | | | | | | | | | |
| Aroclor 1016 | 87 | | - | | 40-140 | - | | 50 | A |
| Aroclor 1260 | 69 | | - | | 40-140 | - | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | | | 30-150 | A |
| Decachlorobiphenyl | 60 | | | | 30-150 | A |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits | |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | Associated sample(s): 01 | QC Batch ID: WG794219-4 | | QC Sample: L1513528-01 | | Client ID: SUMP-1 | |
| Aroclor 1016 | ND | ND | ug/l | NC | | 50 | A |
| Aroclor 1221 | ND | ND | ug/l | NC | | 50 | A |
| Aroclor 1232 | ND | ND | ug/l | NC | | 50 | A |
| Aroclor 1242 | ND | ND | ug/l | NC | | 50 | A |
| Aroclor 1248 | ND | ND | ug/l | NC | | 50 | A |
| Aroclor 1254 | ND | ND | ug/l | NC | | 50 | A |
| Aroclor 1260 | ND | ND | ug/l | NC | | 50 | A |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 61 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 59 | | 30-150 | A |

# METALS

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water
Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Antimony, Total | 0.0046 | | mg/l | 0.0030 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Arsenic, Total | 0.0010 | | mg/l | 0.0005 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Cadmium, Total | ND | | mg/l | 0.0002 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Chromium, Total | 0.1522 | | mg/l | 0.0010 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Copper, Total | 0.0059 | | mg/l | 0.0010 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Iron, Total | 0.81 | | mg/l | 0.05 | -- | 1 | 06/17/15 15:26 | 06/17/15 16:06 | EPA 3005A | 19,200.7 | TT |
| Lead, Total | 0.0006 | | mg/l | 0.0005 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Mercury, Total | ND | | mg/l | 0.00020 | -- | 1 | 06/17/15 14:31 | 06/17/15 22:40 | EPA 245.1 | 3,245.1 | EA |
| Nickel, Total | 0.1278 | | mg/l | 0.0010 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Selenium, Total | 0.007 | | mg/l | 0.005 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Silver, Total | 0.0026 | | mg/l | 0.0004 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| Zinc, Total | ND | | mg/l | 0.0100 | -- | 1 | 06/17/15 15:26 | 06/19/15 13:27 | EPA 3005A | 1,6020A | KL |
| **Dissolved Metals - Westborough Lab** | | | | | | | | | | | |
| Antimony, Dissolved | 0.0047 | | mg/l | 0.0030 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Arsenic, Dissolved | 0.00090 | | mg/l | 0.0005 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Cadmium, Dissolved | ND | | mg/l | 0.0002 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Chromium, Dissolved | 0.0055 | | mg/l | 0.0010 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Copper, Dissolved | 0.0038 | | mg/l | 0.0010 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Iron, Dissolved | ND | | mg/l | 0.05 | -- | 1 | 06/17/15 12:42 | 06/19/15 13:01 | EPA 3005A | 19,200.7 | JH |
| Lead, Dissolved | ND | | mg/l | 0.0005 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | -- | 1 | 06/19/15 09:13 | 06/19/15 12:16 | EPA 245.1 | 3,245.1 | MC |
| Nickel, Dissolved | 0.0034 | | mg/l | 0.0010 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Selenium, Dissolved | 0.006 | | mg/l | 0.005 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Silver, Dissolved | ND | | mg/l | 0.0004 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |
| Zinc, Dissolved | ND | | mg/l | 0.0100 | -- | 1 | 06/17/15 13:50 | 06/19/15 14:04 | EPA 3005A | 1,6020A | KL |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG794458-1 | | | | | | | | | | |
| Antimony, Dissolved | ND | | mg/l | 0.00300 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Chromium, Dissolved | ND | | mg/l | 0.00200 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Copper, Dissolved | ND | | mg/l | 0.00100 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Lead, Dissolved | ND | | mg/l | 0.00050 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Nickel, Dissolved | ND | | mg/l | 0.00100 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Silver, Dissolved | ND | | mg/l | 0.00040 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | -- | 1 | 06/17/15 13:50 | 06/18/15 19:01 | 1,6020A | KL |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01 Batch: WG794469-1 | | | | | | | | | | |
| Iron, Total | ND | | mg/l | 0.050 | -- | 1 | 06/17/15 15:26 | 06/17/15 16:50 | 19,200.7 | TT |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01 Batch: WG794477-1 | | | | | | | | | | |
| Antimony, Total | ND | | mg/l | 0.00300 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Arsenic, Total | ND | | mg/l | 0.00050 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Cadmium, Total | ND | | mg/l | 0.00020 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Chromium, Total | 0.01162 | | mg/l | 0.00200 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Copper, Total | ND | | mg/l | 0.00100 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Lead, Total | ND | | mg/l | 0.00050 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Nickel, Total | 0.01006 | | mg/l | 0.00100 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |

**Project Name:** SMITH CENTER **Lab Number:** L1513528

**Project Number:** 41383-001 **Report Date:** 06/19/15

# Method Blank Analysis
# Batch Quality Control

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Selenium, Total | ND | mg/l | 0.00500 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Silver, Total | ND | mg/l | 0.00040 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |
| Zinc, Total | ND | mg/l | 0.01000 | -- | 1 | 06/17/15 15:26 | 06/18/15 19:27 | 1,6020A | KL |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG794486-1 | | | | | | | | | | |
| Iron, Dissolved | ND | | mg/l | 0.05 | -- | 1 | 06/17/15 12:42 | 06/19/15 12:53 | 19,200.7 | JH |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01 Batch: WG794496-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/l | 0.00020 | -- | 1 | 06/17/15 14:31 | 06/17/15 22:18 | 3,245.1 | EA |

**Prep Information**

Digestion Method: EPA 245.1

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG795202-1 | | | | | | | | | | |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | -- | 1 | 06/19/15 09:13 | 06/19/15 12:09 | 3,245.1 | MC |

**Prep Information**

Digestion Method: EPA 245.1

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG794458-2 | | | | | | | | |
| Antimony, Dissolved | 95 | | - | | 80-120 | - | | |
| Arsenic, Dissolved | 109 | | - | | 80-120 | - | | |
| Cadmium, Dissolved | 118 | | - | | 80-120 | - | | |
| Chromium, Dissolved | 105 | | - | | 80-120 | - | | |
| Copper, Dissolved | 111 | | - | | 80-120 | - | | |
| Lead, Dissolved | 114 | | - | | 80-120 | - | | |
| Nickel, Dissolved | 111 | | - | | 80-120 | - | | |
| Selenium, Dissolved | 112 | | - | | 80-120 | - | | |
| Silver, Dissolved | 102 | | - | | 80-120 | - | | |
| Zinc, Dissolved | 115 | | - | | 80-120 | - | | |
| Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG794469-2 | | | | | | | | |
| Iron, Total | 100 | | - | | 85-115 | - | | |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER

**Project Number:** 41383-001

**Lab Number:** L1513528

**Report Date:** 06/19/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG794477-2 | | | | | |
| Antimony, Total | 88 | - | 80-120 | - | |
| Arsenic, Total | 101 | - | 80-120 | - | |
| Cadmium, Total | 116 | - | 80-120 | - | |
| Chromium, Total | 109 | - | 80-120 | - | |
| Copper, Total | 112 | - | 80-120 | - | |
| Lead, Total | 115 | - | 80-120 | - | |
| Nickel, Total | 112 | - | 80-120 | - | |
| Selenium, Total | 118 | - | 80-120 | - | |
| Silver, Total | 102 | - | 80-120 | - | |
| Zinc, Total | 114 | - | 80-120 | - | |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG794486-2 | | | | | |
| Iron, Dissolved | 95 | - | 85-115 | - | |
| Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG794496-2 | | | | | |
| Mercury, Total | 106 | - | 85-115 | - | |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG795202-2 | | | | | |
| Mercury, Dissolved | 93 | - | 85-115 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794458-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | | | |
| Antimony, Dissolved | 0.0047 | 1 | 0.9717 | 97 | | - | - | | 75-125 | - | | 20 |
| Arsenic, Dissolved | 0.00090 | 0.24 | 0.2281 | 95 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Dissolved | ND | 0.102 | 0.1009 | 99 | | - | - | | 75-125 | - | | 20 |
| Chromium, Dissolved | 0.0055 | 0.4 | 0.3470 | 85 | | - | - | | 75-125 | - | | 20 |
| Copper, Dissolved | 0.0038 | 0.5 | 0.4570 | 91 | | - | - | | 75-125 | - | | 20 |
| Lead, Dissolved | ND | 1.02 | 0.9788 | 96 | | - | - | | 75-125 | - | | 20 |
| Nickel, Dissolved | 0.0034 | 1 | 0.8889 | 88 | | - | - | | 75-125 | - | | 20 |
| Selenium, Dissolved | 0.006 | 0.24 | 0.231 | 94 | | - | - | | 75-125 | - | | 20 |
| Silver, Dissolved | ND | 0.1 | 0.0804 | 80 | | - | - | | 75-125 | - | | 20 |
| Zinc, Dissolved | ND | 1 | 0.9292 | 93 | | - | - | | 75-125 | - | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794469-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | | | |
| Iron, Total | 0.81 | 1 | 1.2 | **39** | Q | - | - | | 75-125 | - | | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794477-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | |
| Antimony, Total | 0.0046 | 0.75 | 0.7534 | 100 | | - | - | 75-125 | - | 20 |
| Arsenic, Total | 0.0010 | 0.18 | 0.1841 | 102 | | - | - | 75-125 | - | 20 |
| Cadmium, Total | ND | 0.0765 | 0.0784 | 102 | | - | - | 75-125 | - | 20 |
| Chromium, Total | 0.1522 | 0.3 | 0.3467 | **65** | Q | - | - | 75-125 | - | 20 |
| Copper, Total | 0.0059 | 0.375 | 0.3641 | 96 | | - | - | 75-125 | - | 20 |
| Lead, Total | 0.0006 | 0.765 | 0.7826 | 102 | | - | - | 75-125 | - | 20 |
| Nickel, Total | 0.1278 | 0.75 | 0.7602 | 84 | | - | - | 75-125 | - | 20 |
| Selenium, Total | 0.007 | 0.18 | 0.194 | 104 | | - | - | 75-125 | - | 20 |
| Silver, Total | 0.0026 | 0.075 | 0.0708 | 91 | | - | - | 75-125 | - | 20 |
| Zinc, Total | ND | 0.75 | 0.7403 | 99 | | - | - | 75-125 | - | 20 |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794486-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | |
| Iron, Dissolved | ND | 2 | 1.9 | 95 | | - | - | 75-125 | - | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794496-4 QC Sample: L1513440-01 Client ID: MS Sample | | | | | | | | | | |
| Mercury, Total | ND | 0.005 | 0.00521 | 104 | | - | - | 70-130 | - | 20 |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795202-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | |
| Mercury, Dissolved | ND | 0.005 | 0.00495 | 99 | | - | - | 75-125 | - | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794458-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Antimony, Dissolved | 0.0047 | 0.0084 | mg/l | **56** | Q | 20 |
| Arsenic, Dissolved | 0.00090 | 0.0018 | mg/l | **65** | Q | 20 |
| Cadmium, Dissolved | ND | ND | mg/l | NC | | 20 |
| Chromium, Dissolved | 0.0055 | 0.0122 | mg/l | **76** | Q | 20 |
| Copper, Dissolved | 0.0038 | 0.0077 | mg/l | **68** | Q | 20 |
| Lead, Dissolved | ND | ND | mg/l | NC | | 20 |
| Nickel, Dissolved | 0.0034 | 0.0079 | mg/l | **79** | Q | 20 |
| Selenium, Dissolved | 0.006 | 0.011 | mg/l | **59** | Q | 20 |
| Silver, Dissolved | ND | ND | mg/l | NC | | 20 |
| Zinc, Dissolved | ND | ND | mg/l | NC | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794469-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Iron, Total | 0.81 | 0.47 | mg/l | **53** | Q | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794477-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Antimony, Total | 0.0046 | 0.0043 | mg/l | 8 | | 20 |
| Arsenic, Total | 0.0010 | 0.0009 | mg/l | 8 | | 20 |
| Cadmium, Total | ND | ND | mg/l | NC | | 20 |
| Chromium, Total | 0.1522 | 0.0892 | mg/l | **52** | Q | 20 |
| Copper, Total | 0.0059 | 0.0057 | mg/l | 2 | | 20 |
| Lead, Total | 0.0006 | 0.0005 | mg/l | 11 | | 20 |
| Nickel, Total | 0.1278 | 0.0747 | mg/l | **52** | Q | 20 |
| Selenium, Total | 0.007 | 0.006 | mg/l | **28** | Q | 20 |
| Silver, Total | 0.0026 | ND | mg/l | NC | | 20 |
| Zinc, Total | ND | ND | mg/l | NC | | 20 |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794486-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Iron, Dissolved | ND | ND | mg/l | NC | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794496-3 QC Sample: L1513440-01 Client ID: DUP Sample | | | | | | |
| Mercury, Total | ND | ND | mg/l | NC | | 20 |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795202-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Mercury, Dissolved | ND | ND | mg/l | NC | | 20 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

## SAMPLE RESULTS

Lab ID: L1513528-01
Client ID: SUMP-1
Sample Location: Not Specified
Matrix: Water

Date Collected: 06/16/15 09:30
Date Received: 06/16/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total Suspended | ND | | mg/l | 5.0 | NA | 1 | - | 06/18/15 11:30 | 30,2540D | DW |
| Cyanide, Total | ND | | mg/l | 0.005 | -- | 1 | 06/17/15 09:15 | 06/17/15 15:35 | 30,4500CN-CE | JO |
| Cyanide, Amenable | ND | | mg/l | 0.010 | -- | 2 | 06/17/15 12:00 | 06/17/15 15:42 | 30,4500CN-G | KE |
| Cyanide, Physiologically Available | ND | | mg/l | 0.005 | -- | 1 | 06/17/15 14:30 | 06/18/15 10:27 | 64,9014(M) | ML |
| Chlorine, Total Residual | ND | | mg/l | 0.02 | -- | 1 | - | 06/16/15 23:26 | 30,4500CL-D | AS |
| pH (H) | 8.2 | | SU | - | NA | 1 | - | 06/16/15 22:00 | 30,4500H+-B | AS |
| TPH | ND | | mg/l | 4.00 | -- | 1 | 06/17/15 08:30 | 06/18/15 08:45 | 74,1664A | ML |
| Phenolics, Total | ND | | mg/l | 0.030 | -- | 1 | 06/17/15 09:45 | 06/17/15 12:24 | 4,420.1 | MP |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | -- | 1 | 06/16/15 22:30 | 06/16/15 23:05 | 119,3500CR-B | DE |
| **Anions by Ion Chromatography - Westborough Lab** | | | | | | | | | | |
| Chloride | 1740 | | mg/l | 25.0 | -- | 50 | - | 06/17/15 18:50 | 44,300.0 | AU |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001
**Lab Number:** L1513528
**Report Date:** 06/19/15

# Method Blank Analysis
## Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794233-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | -- | 1 | 06/16/15 22:30 | 06/16/15 23:05 | 119,3500CR-B | DE |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794243-1 | | | | | | | | | | |
| Chlorine, Total Residual | ND | | mg/l | 0.02 | -- | 1 | - | 06/16/15 23:26 | 30,4500CL-D | AS |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794353-1 | | | | | | | | | | |
| TPH | ND | | mg/l | 4.00 | -- | 1 | 06/17/15 08:30 | 06/18/15 08:45 | 74,1664A | ML |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794385-1 | | | | | | | | | | |
| Phenolics, Total | ND | | mg/l | 0.030 | -- | 1 | 06/17/15 09:45 | 06/17/15 12:20 | 4,420.1 | MP |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794394-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/l | 0.005 | -- | 1 | 06/17/15 09:15 | 06/17/15 15:16 | 30,4500CN-CE | JO |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794435-1 | | | | | | | | | | |
| Cyanide, Amenable | ND | | mg/l | 0.010 | -- | 2 | 06/17/15 12:00 | 06/17/15 15:42 | 30,4500CN-G | KE |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794578-1 | | | | | | | | | | |
| Cyanide, Physiologically Available | ND | | mg/l | 0.005 | -- | 1 | 06/17/15 14:30 | 06/18/15 10:10 | 64,9014(M) | ML |
| Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG794692-1 | | | | | | | | | | |
| Chloride | ND | | mg/l | 0.500 | -- | 1 | - | 06/17/15 18:14 | 44,300.0 | AU |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG794743-1 | | | | | | | | | | |
| Solids, Total Suspended | ND | | mg/l | 5.0 | NA | 1 | - | 06/18/15 11:30 | 30,2540D | DW |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794233-2 | | | | | | | | |
| Chromium, Hexavalent | 101 | | - | | 85-115 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794243-2 | | | | | | | | |
| Chlorine, Total Residual | 105 | | - | | 90-110 | - | | |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794244-1 | | | | | | | | |
| pH | 101 | | - | | 99-101 | - | | 5 |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794353-2 | | | | | | | | |
| TPH | 85 | | - | | 64-132 | - | | 34 |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794385-2 | | | | | | | | |
| Phenolics, Total | 100 | | - | | 70-130 | - | | |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794394-2 | | | | | | | | |
| Cyanide, Total | 107 | | - | | 90-110 | - | | |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794435-2 | | | | | | | | |
| Cyanide, Amenable | 93 | | - | | | - | | |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG794578-2 | | | | | |
| Cyanide, Physiologically Available | 97 | - | 80-120 | - | |
| General Chemistry - Westborough Lab NEGATIVE LCS Associated sample(s): 01 Batch: WG794578-5 | | | | | |
| Cyanide, Physiologically Available | **1** | - | 0-10 | - | |
| Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG794692-2 | | | | | |
| Chloride | 100 | - | 90-110 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794233-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.1 | 0.105 | 105 | | - | - | | 85-115 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794353-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | | | |
| TPH | ND | 20.4 | 16.4 | 80 | | - | - | | 64-132 | - | | 34 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794385-4 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | | | | | | | |
| Phenolics, Total | ND | 0.4 | 0.39 | 97 | | - | - | | 70-130 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794394-4 QC Sample: L1513437-03 Client ID: MS Sample | | | | | | | | | | | | |
| Cyanide, Total | 0.007 | 0.2 | 0.205 | 99 | | - | - | | 90-110 | - | | 30 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794578-4 QC Sample: L1513479-02 Client ID: MS Sample | | | | | | | | | | | | |
| Cyanide, Physiologically Available | 0.060 | 0.2 | 0.285 | 112 | | - | - | | 75-125 | - | | 20 |
| Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794692-3 WG794692-4 QC Sample: L1513288-03 Client ID: MS Sample | | | | | | | | | | | | |
| Chloride | 4.48 | 20 | 24.9 | 102 | | 25.0 | 102 | | 40-151 | 0 | | 18 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794233-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/l | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794243-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Chlorine, Total Residual | ND | ND | mg/l | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794244-2 QC Sample: L1513508-01 Client ID: DUP Sample | | | | | | |
| pH | 6.5 | 6.6 | SU | 2 | | 5 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794353-3 QC Sample: L1513508-01 Client ID: DUP Sample | | | | | | |
| TPH | ND | ND | mg/l | NC | | 34 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794385-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Phenolics, Total | ND | ND | mg/l | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794394-3 QC Sample: L1513437-04 Client ID: DUP Sample | | | | | | |
| Cyanide, Total | 0.006 | 0.005 | mg/l | 28 | | 30 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794435-3 QC Sample: L1513528-01 Client ID: SUMP-1 | | | | | | |
| Cyanide, Amenable | ND | ND | mg/l | NC | | |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794578-3 QC Sample: L1513479-01 Client ID: DUP Sample | | | | | | |
| Cyanide, Physiologically Available | 0.120 | 0.070 | mg/l | **53** | Q | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794743-2 QC Sample: L1513168-01 Client ID: DUP Sample | | | | | | |
| Solids, Total Suspended | 74 | 81 | mg/l | 9 | | 29 |

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1513528-01A | Vial HCl preserved | A | N/A | 2.4 | Y | Absent | 8260-SIM(14),8260(14) |
| L1513528-01B | Vial HCl preserved | A | N/A | 2.4 | Y | Absent | 8260-SIM(14),8260(14) |
| L1513528-01C | Vial HCl preserved | A | N/A | 2.4 | Y | Absent | 8260-SIM(14),8260(14) |
| L1513528-01D | Vial Na2S2O3 preserved | A | N/A | 2.4 | Y | Absent | 504(14) |
| L1513528-01E | Vial Na2S2O3 preserved | A | N/A | 2.4 | Y | Absent | 504(14) |
| L1513528-01F | Plastic 250ml HNO3 preserved | A | <2 | 2.4 | Y | Absent | SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),FE-UI(180),PB-6020T(180),HG-U(28),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180) |
| L1513528-01G | Plastic 950ml unpreserved | A | 7 | 2.4 | Y | Absent | - |
| L1513528-01H | Plastic 250ml NaOH preserved | A | >12 | 2.4 | Y | Absent | TCN-4500(14),ACN-4500(14),PACN(14) |
| L1513528-01I | Plastic 120ml unpreserved | A | 7 | 2.4 | Y | Absent | CL-300(28),TRC-4500(1),PH-4500(.01) |
| L1513528-01J | Plastic 950ml unpreserved | A | 7 | 2.4 | Y | Absent | TSS-2540(7) |
| L1513528-01K | Plastic 950ml unpreserved | A | 7 | 2.4 | Y | Absent | HEXCR-3500(1) |
| L1513528-01L | Amber 950ml H2SO4 preserved | A | <2 | 2.4 | Y | Absent | TPHENOL-420(28) |
| L1513528-01M | Amber 1000ml Na2S2O3 | A | 7 | 2.4 | Y | Absent | PCB-608(7) |
| L1513528-01N | Amber 1000ml Na2S2O3 | A | 7 | 2.4 | Y | Absent | PCB-608(7) |
| L1513528-01O | Amber 1000ml HCl preserved | A | N/A | 2.4 | Y | Absent | TPH-1664(28) |
| L1513528-01P | Amber 1000ml HCl preserved | A | N/A | 2.4 | Y | Absent | TPH-1664(28) |
| L1513528-01Q | Amber 1000ml unpreserved | A | 7 | 2.4 | Y | Absent | 8270TCL(7),8270TCL-SIM(7) |
| L1513528-01R | Amber 1000ml unpreserved | A | 7 | 2.4 | Y | Absent | 8270TCL(7),8270TCL-SIM(7) |
| L1513528-01W | Plastic 250ml HNO3 preserved spl | A | <2 | 2.4 | Y | Absent | CU-6020S(180),FE-RI(180),SE-6020S(180),ZN-6020S(180),CR-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),HG-R(28),SB-6020S(180),CD-6020S(180) |
| L1513528-02A | Vial HCl preserved | A | N/A | 2.4 | Y | Absent | 8260(14) |

*Values in parentheses indicate holding time in days

**Project Name:** SMITH CENTER
**Project Number:** 41383-001

**Lab Number:** L1513528
**Report Date:** 06/19/15

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1513528-02B | Vial HCl preserved | A | N/A | 2.4 | Y | Absent | 8260(14) |
| L1513528-02D | Vial Na2S2O3 preserved | A | N/A | 2.4 | Y | Absent | 504(14) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | SMITH CENTER | **Lab Number:** | L1513528 |
| **Project Number:** | 41383-001 | **Report Date:** | 06/19/15 |

## GLOSSARY

### *Acronyms*

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | SMITH CENTER | **Lab Number:** | L1513528 |
| **Project Number:** | 41383-001 | **Report Date:** | 06/19/15 |

***Data Qualifiers***

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | SMITH CENTER | **Lab Number:** | L1513528 |
| **Project Number:** | 41383-001 | **Report Date:** | 06/19/15 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

14 Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water. EPA/600/4-88/039, Revised July 1991.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

119 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 21st Edition.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

Last revised December 16, 2014

**The following analytes are not included in our NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 625:** 4-Chloroaniline, 4-Methylphenol.
**SM4500**: Soil: Total Phosphorus, TKN, NO2, NO3.
**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

**Mansfield Facility**
**EPA 8270D:** Biphenyl.
**EPA 2540D:** TSS
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

***Drinking Water***
**EPA 200.8**: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
**EPA 300.0**: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

***Non-Potable Water***
**EPA 200.8**: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
**EPA 200.7**: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:06191519:04

L151 3528

# CHAIN OF CUSTODY RECORD


HALEY & ALDRICH
Haley & Aldrich, Inc. 465 Medford St., Suite 2200, Boston, MA 02129-1400
Phone (617) 886-7400
Fax (617) 886-7600




H&A FILE NO. 41383-001
PROJECT NAME Smith Center
H&A CONTACT Elizabeth Christmas

LABORATORY Alpha Analytical
ADDRESS Westborough, MA
CONTACT Gina Hall

DELIVERY DATE 6/16/2015
TURNAROUND TIME 3 day
PROJECT MANAGER Kate Dilawari

| Sample No. | Date | Time | Depth | Type | Number of Containers |
|---|---|---|---|---|---|
| Sump-1 | 6/16/2015 | 0930 | — | GW | 18 |
| TRIP BLANK | 6/16/2015 | 0930 | — | GW | 3 |

Analysis Requested

| Sample No. | TSS +pH | Total Residual Chlorine | Total Cyanide | 504 (EDB/DBCP) | TPH - 1664 | 8260 | 8260 Low (1,4-Dioxane) | Total Phenol 420 | PCB-608 | Hex Cr | 8270 and 8270-SIM | MCP Total Metals | MCP Dissolved Metals | Chloride 300 | ACN and PACN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sump-1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| TRIP BLANK | | | | X | | X | | | | | | | | | |

Comments (special instructions, precautions, additional method numbers, etc.)

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

8. NPDES RGP list of metals: Cd, Cr, Cu, Pb, Ni, Ag, Zn, As, Se, Sb, Hg and Fe

9. Dissolved NPDES RGP list of metals (~~Field~~ Filtered)

LAB

| Sampled and Relinquished by | Received by |
|---|---|
| Sign Todd Butler | Sign M Cullen |
| Print Todd Butler | Print M Dyski |
| Firm Haley & Aldrich, Inc. | Firm HPA |
| Date 6/16/15 Time 1030 | Date 6/16/15 Time 1630 |
| **Relinquished by** | **Received by** |
| Sign M Cullen | Sign Kelly Smith |
| Print M Dyski | Print Kelly Smith |
| Firm HPA | Firm AFL |
| Date 6/16/15 Time 1630 | Date 6/16/15 Time 1633 |
| **Relinquished by** | **Received by** |
| Sign Kelly Smith | Sign Michael Chang |
| Print Kelly Smith | Print Michael Chang |
| Firm AFL | Firm AFL |
| Date 6/16/15 Time 1823 | Date 6-16-15 Time 1823 |

LIQUID

| | Preservative | Volume (mL) |
|---|---|---|
| VOA Vial | X | A 1000 |
| Amber Glass | X | A 500 |
| Plastic Bottle | X | AC 250 |
| Plastic Bottle | X | AH 1000 |
| Plastic Bottle | X | AF 1000 |
| Plastic Bottle | X | AF 40 |
| VOA Vial | X | AF 40 |
| Amber Glass | X | AE 1000 |
| Plastic Bottle | X | AH 1000 |
| Amber Glass | X | A 1000 |
| Plastic Bottle | X | A 1000 |
| Plastic Bottle | X | AD 250 |
| Amber Glass | X | AE 1000 |
| Plastic Bottle | X | A 500 |
| Plastic Bottle | X | AC 250 |

SOLID

| | Preservative | Volume |
|---|---|---|
| VOA Vial | | |
| Amber Glass | | |
| Clear Glass | | |

PRESERVATION KEY

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | Sample chilled | C | NaOH | E | $H_2SO_4$ | G | Methanol |
| B | Sample filtered | D | $HNO_3$ | F | HCL | H | Water/Na2S2O3 |

Sampling Comments

1. The samples are being submitted for NPDES RGP Permit application. Please follow appropriate Testing methods and minimum detection levels as required by the EPA for the RGP.

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

**Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)**

If Presumptive Certainty Data Package is needed, initial all sections:

NA The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

NA Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

X This Chain of Custody Record (specify) _____ includes ___X___ does not include samples defined as Drinking Water Samples.

NA If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate. Laboratory should (specify if applicable) _____ analyze _____ hold for contingency testing the Drinking Water Field Duplicate and Drinking Water Trip Blank samples.

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
■ RC-GW2

WHITE - Laboratory CANARY - Project Manager PINK - Haley & Aldrich Laboratory GOLDENROD - Haley & Aldrich Contact

AUGUST 2003



Form 3003

**APPENDIX F**

**Copy of Cambridge Discharge and Dewatering Permit**

Haley & Aldrich, Inc.
465 Medford St.
Suite 2200
Boston, MA 02129
617.886.7400

25 June 2015
File No. 41383-001

Cambridge City Hall
Department of Public Works
795 Massachusetts Avenue
Cambridge, Massachusetts 02139

Subject: Request for Approval of Temporary Construction Dewatering
Smith Campus Center
1350 Massachusetts Avenue
Cambridge, Massachusetts

Dear Mr. Wilcox:

On behalf of our client, The President and Fellows of Harvard College, this letter submits the City of Cambridge Permit Application for temporary construction dewatering at the Smith Campus Center. Dewatering will be conducted in support of the proposed subsurface explorations being conducted to evaluate the existing foundation conditions. The site location is shown in Figure 1.

Dewatering is necessary to enable construction in-the-dry, and is anticipated to begin in late July 2015 and continue for up to two (2) months, with further construction anticipated to begin in summer 2016 and last for about one (1) year. Prior to discharge, collected water will be routed through a sedimentation tank and bag filter to remove suspended solids and un-dissolved metals. The proposed dewatering discharge route is shown on Figure 2. This letter and attached permit application seek permission to discharge dewatering effluent through City of Cambridge pipes. Discharge of the dewatering effluent is currently under review by the EPA under the Remediation General Permit (RGP).

If you have any questions, please feel free to contact the undersigned at 617-886-7400.

Sincerely yours,
HALEY & ALDRICH, INC.

Elizabeth J. Christmas
Staff Engineer

Attachments:

Permit Application to Dewater
Figure 1 – Site Location Plan
Figure 2 – Proposed Dewatering Effluent Discharge Route (Parts 1 & 2)

G:\41383 Smith C\001\NPDES RGP\App F Cambridge Permit\2015-0625-HAI-Smith Campus Center-Cambridge Dewatering Letter_F.docx

# PERMIT TO DEWATER

Location: 1350 Massachusetts Avenue, Cambridge, MA

Owner: The President and Fellows of Harvard College

Contractor: Consigli Construction Co., Inc.

Temporary ☑

Permanent ☐

The property owner, The President and Fellows of Harvard College agrees to hold harmless and indemnify the City of Cambridge for any liability on the part of the City directly or indirectly arising out of the dewatering operation.

The issuance of this permit is based in part in the submission packet of the applicant with documentation as follows:

Haley and Aldrich, Inc. Report on "NOI for NPDES Remediation General Permit Temporary Construction Dewatering, Smith Campus Center, 1350 Massachusetts Avenue, Cambridge, Massachusetts" dated 25 June 2015

In addition, the application has been reviewed by the City under third party agreement as documented in the following reports:

All activities conducted in conjunction with the issuance of this permit must be in accordance with the provisions of the aforementioned reports. Any deviations in conditions must be reported to and approved by the Commissioner of Public Works.

This permit is in addition to any other street permit issued by the Department in connection with any street excavation or obstruction; and all conditions as specified in the Discharge Permit for Dewatering.

For the entire period of time the groundwater is being discharged to a storm drain, the property owner shall provide copies of each Discharge Monitoring Report Form submitted to the EPA, pursuant to the owner's discharge permit.

If in the future the EPA requires the City of Cambridge to bring existing stormwater drainage into compliance with EPA quality standards, as a condition to the continuation of discharge of that stormwater (also including groundwater) into an EPA regulated system into which the The President and Fellows of Har (property owner) drains, the owner will agree to maintain its water discharge with such EPA water quality standards.

The property owner and contractor shall at all times meet the conditions specified in the requisite legal agreement/affidavits.

All groundwater pumped from the work shall be disposed of without damage to pavements, other surfaces or property.

Where material or debris has washed or flowed into or has been placed in existing gutters, drains, pipes or structures, such material or debris shall be entirely removed and satisfactorily disposed of by the

Contractor during the progress of work as directed by the Public Works Department.

Any flooding or damage of property and possessions caused by siltation of existing gutters, pipes or structures shall be the responsibility of the Contractor.

Provisions shall be made to insure that no material, water or solid, will freeze on any pavement or in any location which will cause inconvenience or hazard to the general public.

Upon completion of the work, existing gutters, drains, pipes and structures shall be (bucket) cleaned and material disposed of satisfactorily prior to release by the Public Works Department.

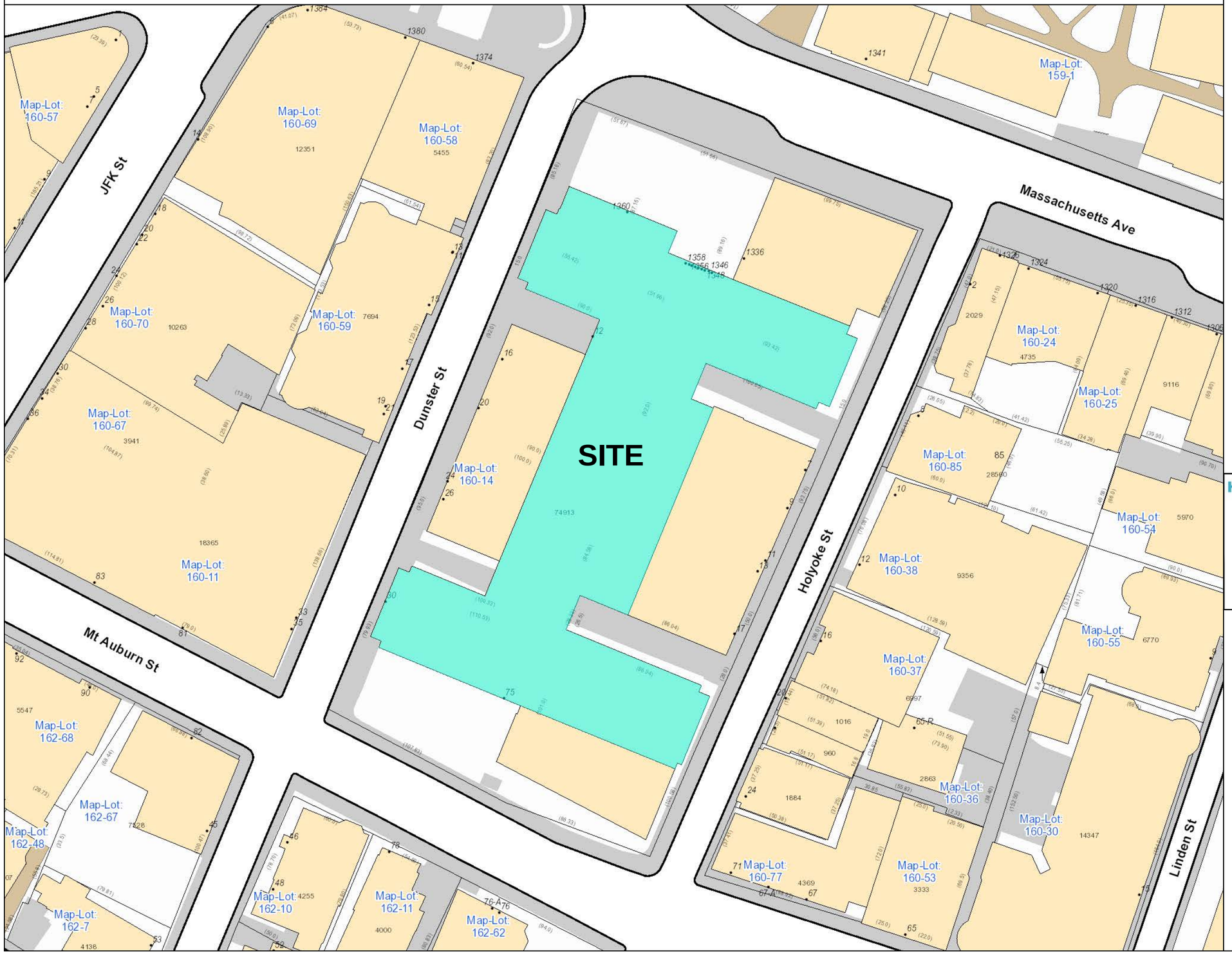
Any permit issued by the City of Cambridge shall be revoked upon transfer of any ownership interest unless and until subsequent owner(s) or parties of interest agree to the foregoing terms.

This permit shall remain in effect for one year and shall be renewable thereafter at the agreement of the parties.

The following special conditions as set forth below are part of the permit.

| | |
|---|---|
| City Manager | Property Manager: Corporate Entity<br>President, General Partner or Trustee<br>Trustee with Instrument of Authority |
| Date | 6/24/15<br>Date |
| City Solicitor | Contractor |
| Date | 6/24/15<br>Date |
| Commissioner of Public | Contractor |
| Date | Date |

CC: Engineering
Supervisor of Sewer Maintenance and Engineering
Superintendent of Streets
Commissioner of Inspectional Services




## LEGEND

- Addresse
- Rail
- Building Footprints
- Parcels

Paved Surfaces

- Paved Roads
- Bridges
- Unpaved Roads
- Unpaved Parking
- Sidewalks
- Driveways
- Alleys
- Other Paved Surface
- Public Footpath

HALEY ALDRICH

SMITH CAMPUS CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

# SITE LOCATION PLAN

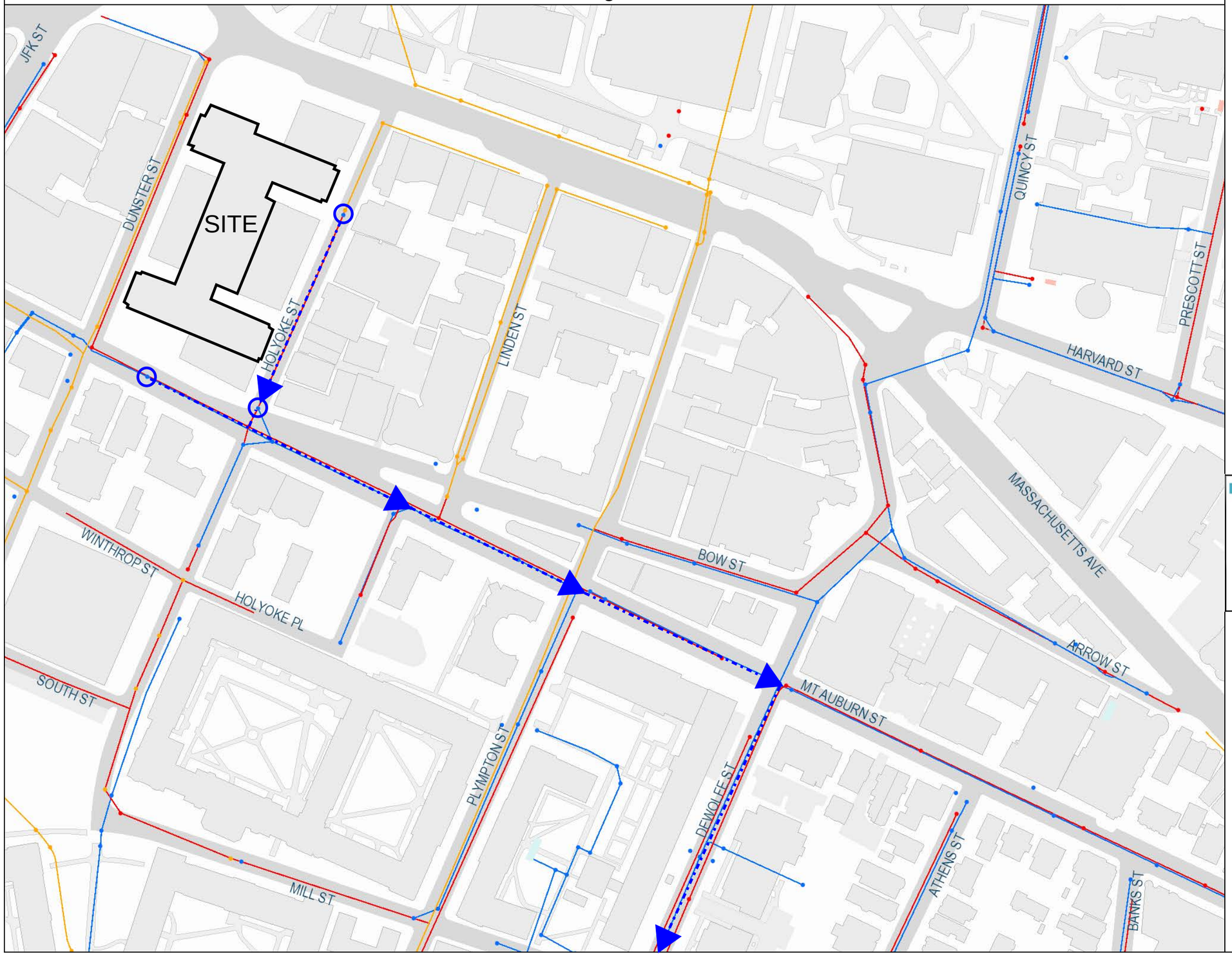
SCALE: AS SHOWN
JUNE 2015

FIGURE 1

City of Cambridge
Massachusetts

1" = 54 ft

# Site and Discharge Location: Part 1




## LEGEND

Gravity Mai
- Stormwater
- Sewage
- Combined Sewage
- Abandoned

Zoom Three Paved Surfaces
- Paved Roads
- Other Paved Surface
- Bridges
- Public Footpath

PROPOSED DISCHARGE CONNECTION

PROPOSED DISCHARGE ROUTE - STORMWATER PIPES

HALEY ALDRICH

SMITH CAMPUS CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

PROPOSED DEWATERING EFFLUENT DISCHARGE ROUTE (PART 1)

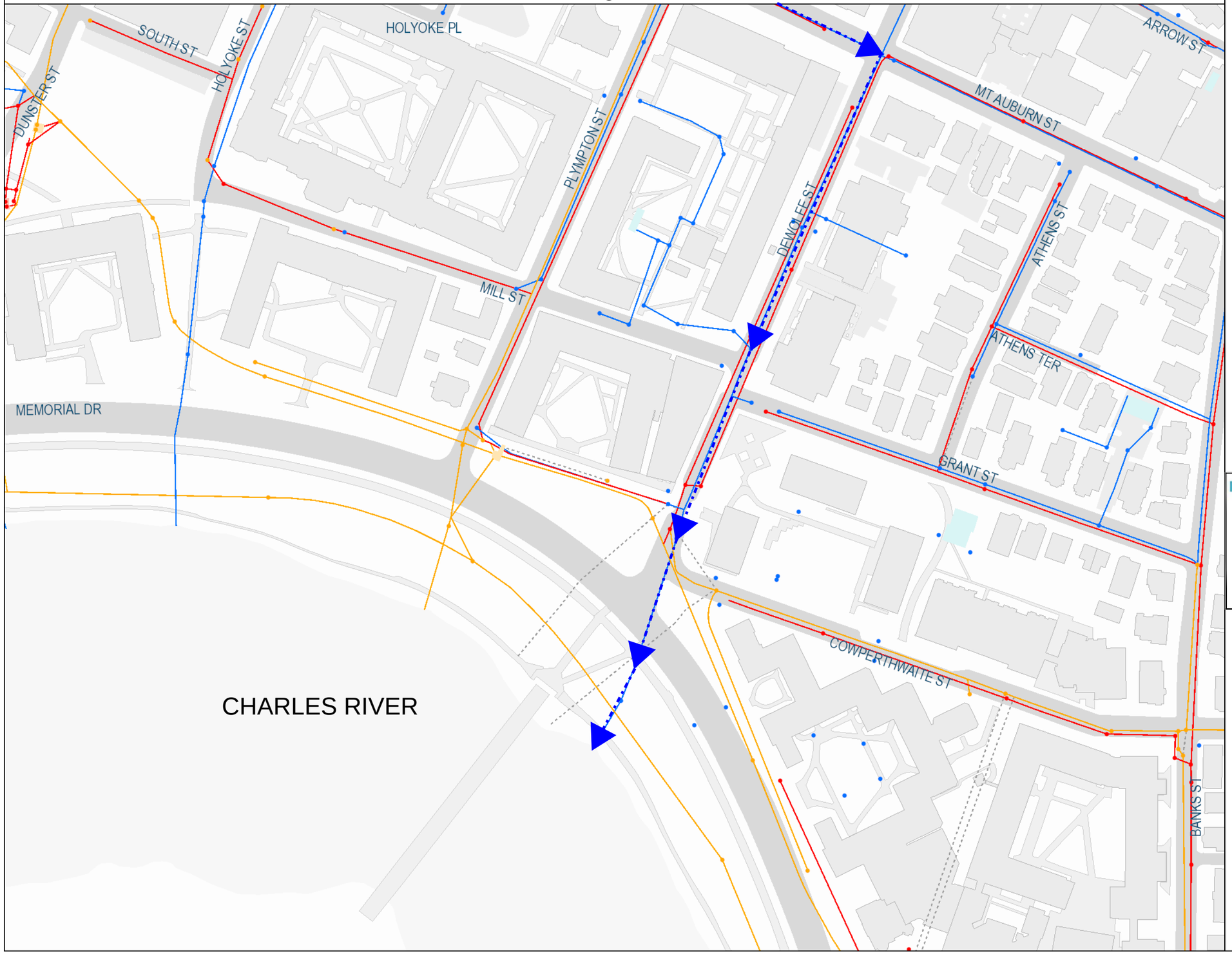
SCALE: AS SHOWN
JUNE 2015

FIGURE 2

City of Cambridge
Massachusetts

1" = 123 ft

# Site and Discharge Location: Part 2




## LEGEND

Gravity Mai
- Stormwater
- Sewage
- Combined Sewage
- Abandoned

Zoom Three Paved Surfaces
- Paved Roads
- Other Paved Surface
- Bridges
- Public Footpath

PROPOSED DISCHARGE CONNECTION

PROPOSED DISCHARGE ROUTE - STORMWATER PIPES

HALEY ALDRICH

SMITH CAMPUS CENTER
1350 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

PROPOSED DEWATERING EFFLUENT DISCHARGE ROUTE (PART 2)

SCALE: AS SHOWN
JUNE 2015

FIGURE 2

City of Cambridge
Massachusetts

1" = 123 ft