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

CERTIFIED MAIL RETURN RECEIPT REQUESTED

JUN 2 2 2011

Jay Bisognano
Project Manager
9-23 Griggs St. LLC
29 Commonwealth Avenue, 6th Floor
Boston, MA 02116

Re: Authorization to discharge under the Remediation General Permit (RGP) – MAG910000. Brainerd Rd and Griggs St., site located at a intersection of the Brainerd Road, and Griggs Street in Allston, MA 02134, Suffolk County; Authorization # MAG910490

Dear Mr. Bisognano:

Based on the review of a Notice of Intent (NOI) submitted on behalf 9-23 Griggs St LLC by the firm McPhail Associates, Inc., 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 exceeded Appendix III limits. The checklist also includes other parameters for which your laboratory reports indicated there was insufficient sensitivity to detect these parameters at the minimum levels established in Appendix VI of the RGP.

Also, please note that the metal iron included on the checklist is dilution dependent pollutant and subject to limitations based on a dilution factor range (DFR).

For this parameter the dilution factor 148.0 for this site is within a dilution range greater than one hundred (>100), established in the RGP. (See the RGP Appendix IV for Massachusetts facilities). Therefore, the limit for iron of 5,000ug/L, is required to achieve permit compliance at your site.

Finally, please note the checklist of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA within six (6) to twelve (12) months of operations in accordance with the 2010 RGP regulations.

This general permit and authorization to discharge will expire on September 9, 2015. You have reported that this project will terminate on 6/13/2012. If for any reason the discharge terminates sooner you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

David M. Webster, Chief
Industrial Permits Branch

Enclosure

cc: Kathleen Keohane, MassDEP

2010 Remediation General Permit
Summary of Monitoring Parameters[1]

NPDES Authorization Number:	**MAG910490 New**
Authorization Issued:	June, 2011
Facility/Site Name:	Brainerd Road and Griggs Street Site
Facility/Site Address:	Intersection of Brainerd Road and Griggs Street in Allston, MA 02134
	Email address of owner: jay@mvernon.com
Legal Name of Operator:	9-23 Griggs ST LLC
Operator contact name, title, and Address:	Jay Bisognano Project Manager 29 Commonwealth Avenue, 6 Floor Boston, MA 02116
	Email: Same as the Owner
Estimated Date of Completion:	06/13/2012
Category and Sub-Category:	Non Petroleum site remediation. Sub-category A. Volatile Organic Compound (VOC) Only Sites
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) **, 50 mg/L for hydrostatic testing **, Me#60.2/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 0.1ug/L

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) 11/12		Minimum level=ML	
		Freshwater	Saltwater		
	39. Antimony	5.6/ML 10			
	40. Arsenic **	10/ML20	36/ML 20		

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11/12]		Minimum level=ML	
		Freshwater	Saltwater		
	41. Cadmium **	0.2/ML10	8.9/ML 10		
	42. Chromium III (trivalent) **	48.8/ML15	100/ML 15		
	43. Chromium VI (hexavalent) **	11.4/ML10	50.3/ML 10		
	44. Copper **	5.2/ML15	3.7/ML 15		
	45. Lead **	1.3/ML20	8.5/ML 20		
	46. Mercury **	0.9/ML0.2	1.1/ML 0.2		
	47. Nickel **	29/ML20	8.2/ML 20		
	48. Selenium **	5/ML20	71/ML 20		
	49. Silver	1.2/ML10	2.2/ML 10		
	50. Zinc **	66.6/ML15	85.6/ML 15		
√	51. Iron	1,000/ML 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[13]
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab[13]
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab[13]
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab[14]
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab[14]
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab[14]
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab[14]
	61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab[14]
	62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal	1.5°F; 1/Month/Grab[14]
	63. Maximum Change in Temperature in MA – Any Class SB water body - July to September	1.5°F; 1/Month/Grab[14]
	64. Maximum Change in Temperature in MA –Any Class SB water body - October to June	4°F; 1/Month/Grab[14]

Footnotes:

[1] Although the maximum values for TRC are 11ug/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] For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using DF x 1,000ug/L (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 x 2 =2,000 ug/L., etc. not to exceed the DF=5.
[12] 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).
[13] pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.
[14] Temperature sampling per Method 170.1

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

NEW

MAG910490

NOTICE OF INTENT FOR DISCHARGE UNDER MASSACHUSETTS REMEDIAL GENERAL PERMIT MAG910000

65 BRAINERD ROAD

ALLSTON MASSACHUSETTS

to

U.S. Environmental Protection Agency
and
Massachusetts Department of
Environmental Protection

June 3, 2011

Project No. 5233

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

June 3, 2011

U.S Environmental Protection Agency
RGP-NOC Processing Municipal Assistance Unit (CMU)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Attention: RGP-NOC Processing

Reference: 65 Brainerd Road; Allston, Massachusetts
Notice of Intent for Construction Dewatering Discharge Under Massachusetts Remedial General Discharge MAG910000

Ladies and Gentlemen:

On behalf of 9-23 Griggs ST LLC, McPhail Associates, Inc. has prepared the attached Notice of Intent for coverage under the Massachusetts Remedial General Permit MAG910000 (RGP) for the temporary discharge of groundwater into the Charles River via a storm drain system during construction at the above referenced site. Refer to **Figure 1** entitled Project Location Plan for the general site locus.

These services were performed and this permit application was prepared with the authorization of 9-23 Griggs ST LLC. These services are subject to the limitations contained in **Appendix A.**

Fronting onto Brainerd Road to the south, the subject site is bounded by Griggs Street to the east, a manufacturing facility identified as Steel Art to the west and a mixed use commercial/residential property to the north. Currently, the subject site is an active construction site. Prior to the commencement of construction, the subject site was occupied by five (5) single-story buildings that were utilized for automotive repair and for storage related to the commercial use of the property. Recently, as part of redevelopment of the subject site, the buildings were demolished and the debris removed off-site.

The limits of the subject site are shown on **Figure 2**, which is based on a 20-scale plan entitled "ALTA/ACSM Land Title Survey" dated November 24, 2010, prepared by Terra Tech of Framingham, Massachusetts. Elevations are referenced to the Boston City Base which is 5.65 feet below the National Geodetic Vertical Datum (N.G.V.D.).

The site is listed with the Massachusetts Department of Environmental Protection (MA DEP) under Release Tracking Number (RTN) 3-24429 as a result of a release of chlorinated volatile organic compounds (CVOCs) to groundwater. In summary, during a 2004 due diligence site assessment conducted by others for on the subject site, the analysis of groundwater detected concentrations of trichloroethylene (TCE) and tetrachloroethylene (PCE) which exceeded the applicable RCGW-2 reporting thresholds. Subsequently, an additional subsurface investigation performed at the site by others identified reportable concentrations of 1,1-dichloroethylene, and cis-1,2-dichloroethylene (cis-DCE) in groundwater. A Release Abatement Measure (RAM) Plan has been prepared and submitted to the DEP for the in-situ treatment of groundwater to reduce levels of TCE, PCE, 1,1-dichloroethylene, and cis-DCE in groundwater. The results of groundwater analysis performed at the subject site are summarized in **Appendix C.**

The proposed development of the subject site is understood to include the construction of a five-story "L" shaped building occupying an approximate 16,200 square-foot building footprint. The building's lowest level will consist of an open air parking level which will coincide with the existing ground surface eleva-

2269 Massachusetts Avenue
Cambridge, Massachusetts 02140
617 / 868-1420
617 / 868-1423 (Fax)

tions. It is anticipated that foundation support for the proposed five-story structure will be provided by a spread footing pier foundation system that bears on the underlying natural soil or on compacted structural fill.

The depth to groundwater at the site has been measured from 7 to 10.7 feet below the existing ground surface corresponding to elevations ranging from about +36.5 to Elevation +38.7. A majority of the excavation for the proposed building foundations will extend to an approximate depth of 6 feet below ground surface. Therefore, it is unlikely that the excavation activities during site development will encounter groundwater. However, there is the potential that groundwater may be encountered in localized areas of the building foundation excavation that will require dewatering. In addition, storm water run-off is anticipated to accumulate within localized trenches after periods of heavy precipitation requiring dewatering.

Based on the results of groundwater chemical analyses, it is our opinion that a settling tank, bag filter and a granular activated carbon (GAC) filtration system will be required to settle out particulate matter and remove elevated levels of CVOCs in the water to meet allowable total suspended solids (TSS) and CVOC discharge limits established by the US EPA prior to discharge. One settling tank, 5,000-gallon in capacity, two bag filters and a GAC filtration system will be incorporated into the discharge system in series to meet allowable discharge limits for TSS and CVOCs established by the RGP. It is our opinion that the removal of sediment in conjunction with the CVOC treatment will also result in a reduction in total metals to levels previously detected in groundwater at the site. A schematic of the treatment system is shown on **Figure 3**.

A review of the Boston Water & Sewer GIS database of existing sewer and storm drain systems indicates that the area surrounding the subject site is serviced by a dedicated storm drain located beneath Griggs Street and Brainerd Road which bound the eastern and southern sides of the site, respectively. Specifically, a 12-inch diameter dedicated storm drain located beneath Griggs Street flows south connecting to a 15-inch storm drain located beneath Brainerd Road. The Brainerd Road storm drain flows northeast to a 48-inch storm drain beneath Harvard Street connecting to a 60x72- inch box culvert storm drain. The box culvert storm drain pitches to the northeast beneath Commonwealth Avenue where it eventually connects to a 72x72-inch box culvert that runs north and parallel to Acorn Street. The storm drain culvert discharges into the Charles River through an outfall identified as SDO035. The Charles River is considered a Class C water body. The location of the relevant catch basin with relation to the site is indicated on **Figure 2**. The storm drain flow pattern and location of discharge into the Charles River is shown on plans provided by the Boston Water & Sewer Commission which are included as **Figures 4A** through **4E**.

In conclusion, it is our opinion that groundwater at the site is acceptable for discharge into the storm drain system and ultimately into the Charles River under a Remedial General Permit. Sampling and analysis of the effluent will be carried out in accordance with the terms of the Remedial General Permit.

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

Supplemental information appended to this letter in support of the RGP includes the following;

- Notice of Intent Transmittal Form for Permit Application
  Boston Water & Sewer Dewatering Discharge Permit Application (**Appendix B**);
- A summary of groundwater analysis (**Appendix C, Table 1**);
- A review of Areas of Critical Concern and Endangered and Threatened Species (**Appendix D**);
- A review of National Historic Places (**Attachment E**); and
- Best Management Practice Plan (**Appendix F**)

We trust that the above satisfies your present requirements. Should you have any questions or comments concerning the above, please do not hesitate to contact us.

Very truly yours,

McPHAIL ASSOCIATES, INC.

William J. Burns

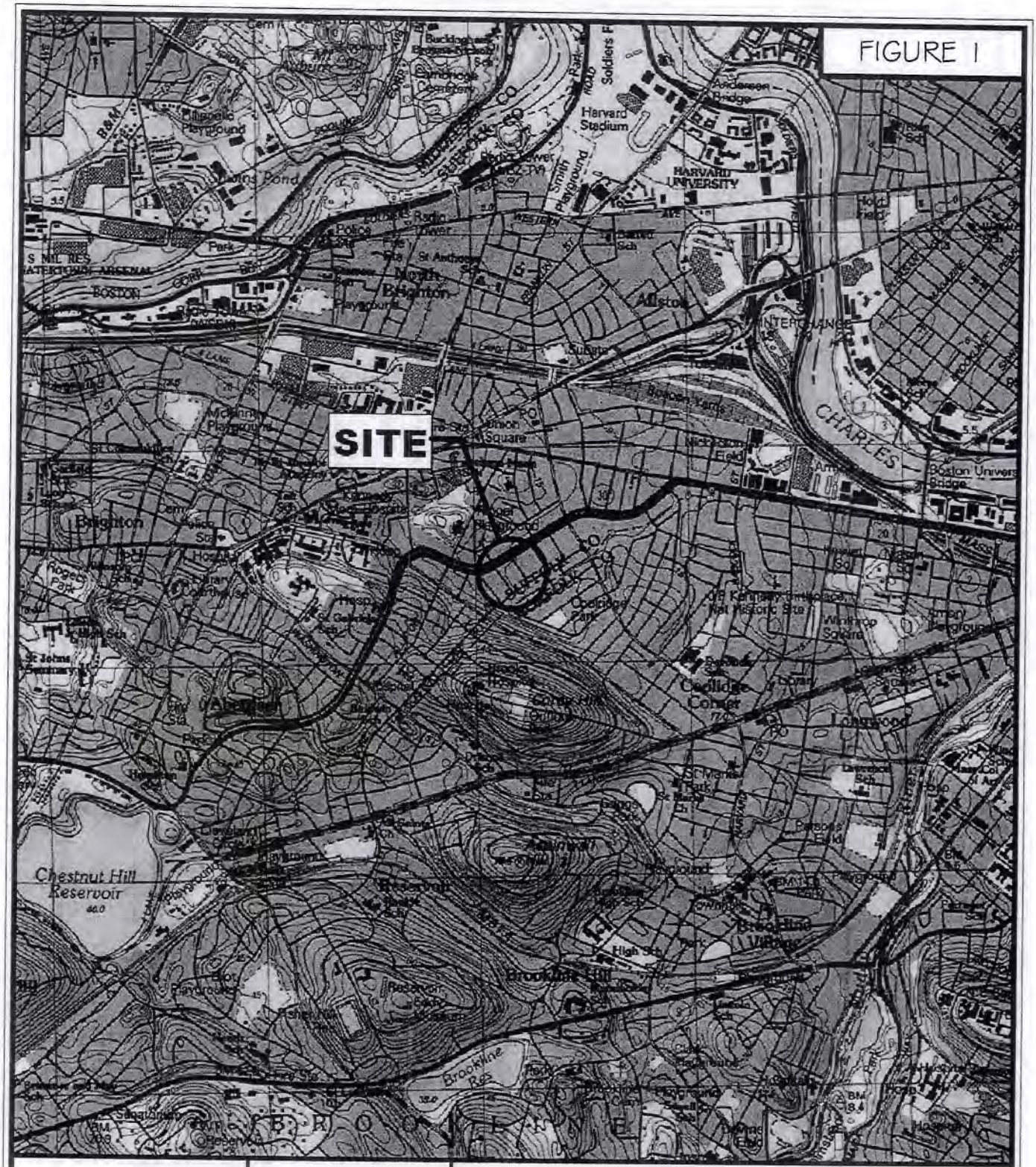
Peter J. DeChaves, L.S.P.

Enclosures

F:\WP5\REPORTS\5233-RGP.wpd

WJB/pjd

FIGURE 1



McPHAIL ASSOCIATES, INC
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

N

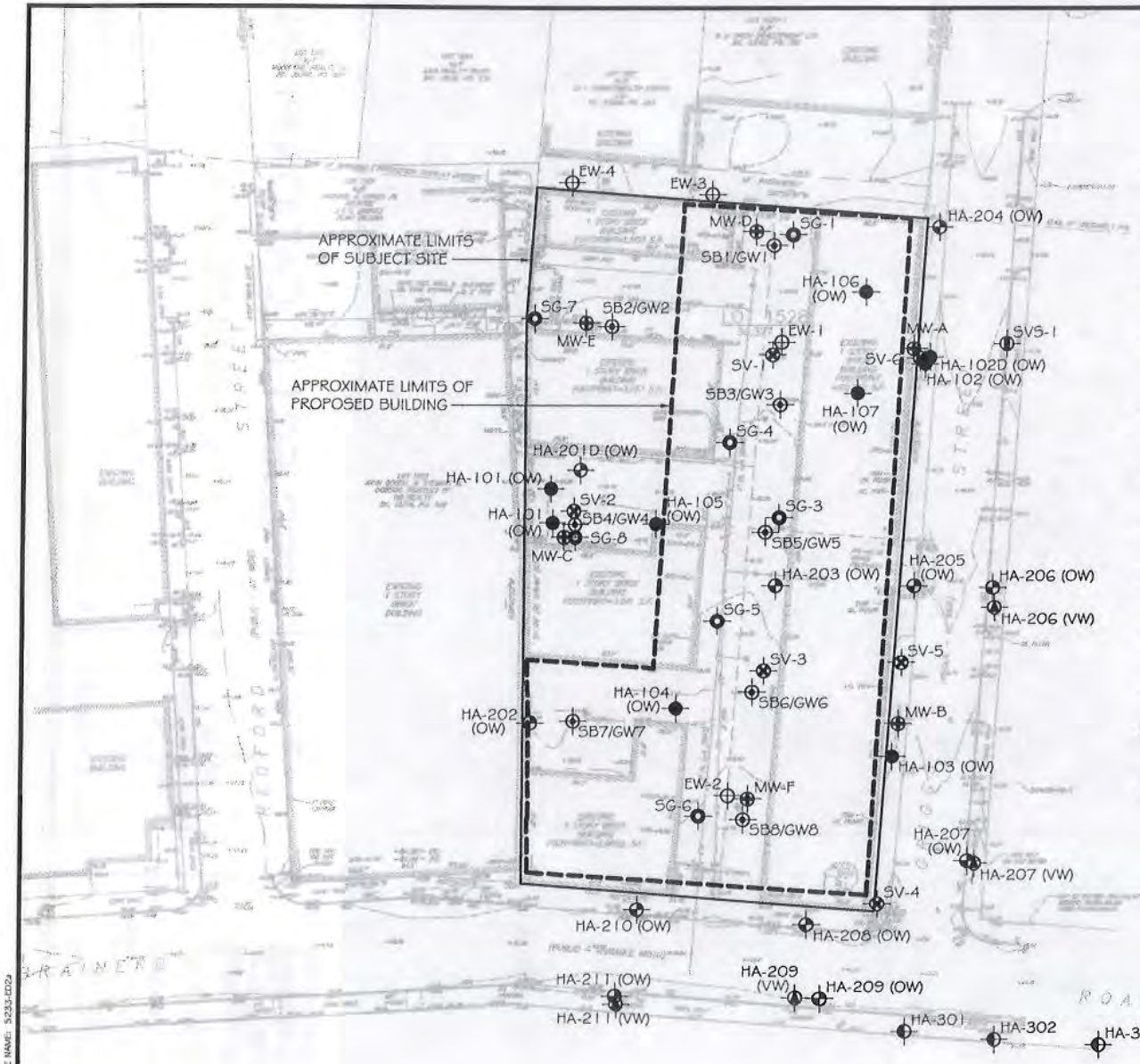
SCALE 1:25,000

PROJECT LOCATION PLAN

65 BRAINERD ROAD

ALLSTON MASSACHUSETTS

FIGURE 2



LEGEND

- — APPROXIMATE LOCATION OF TEMPORARY HYDROPUNCH LOCATIONS DRILLED BY GEOLOGIC, INC. ON NOVEMBER 19, 2009
- — APPROXIMATE LOCATION OF SOIL VAPOR POINT TEMPORARILY DRILLED BY HALEY AND ALDRICH, INC. ON NOVEMBER 19, 2009
- — APPROXIMATE LOCATION OF SOIL VAPOR POINT TEMPORARILY DRILLED BY HALEY AND ALDRICH, INC. IN JULY 2009
- — APPROXIMATE LOCATION OF 2-INCH GROUNDWATER MONITORING WELL INSTALLED BY HALEY & ALDRICH, INC. IN APRIL 2008. D INDICATES DEEP MONITORING WELL
- — APPROXIMATE LOCATION OF SOIL VAPOR POINT TEMPORARILY DRILLED BY HALEY AND ALDRICH, INC. IN APRIL 2008
- — APPROXIMATE LOCATION OF SOIL GAS SAMPLE COLLECTED BY FSL ASSOCIATES IN FEBRUARY 2007
- — APPROXIMATE LOCATION OF MONITORING WELL INSTALLED BY FSL ASSOCIATES IN JUNE 2006
- — APPROXIMATE LOCATION OF MONITORING WELL INSTALLED BY HALEY & ALDRICH, INC. IN FEBRUARY AND MARCH 2005
- — APPROXIMATE LOCATION OF SOIL AND GROUNDWATER SAMPLE COLLECTED BY BLACKSTONE IN JULY 2004
- — INDICATES APPROXIMATE LOCATION OF EXISTING MONITORING WELL

(OW) — INDICATES OBSERVATION WELL INSTALLED IN COMPLETED BOREHOLE

REFERENCE: THIS PLAN WAS PREPARED FROM A 20-SCALE DRAWING ENTITLED, "ALTA/ACSM LAND TITLE SURVEY" DATED NOVEMBER 24, 2010 BY TERRA TECH

GRAPHIC SCALE

40 0 40 80

McPHAIL ASSOCIATES, INC.
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

65 BRAINERD
ALLSTON MASSACHUSETTS

SUBSURFACE EXPLORATION PLAN - RTN 3-24429

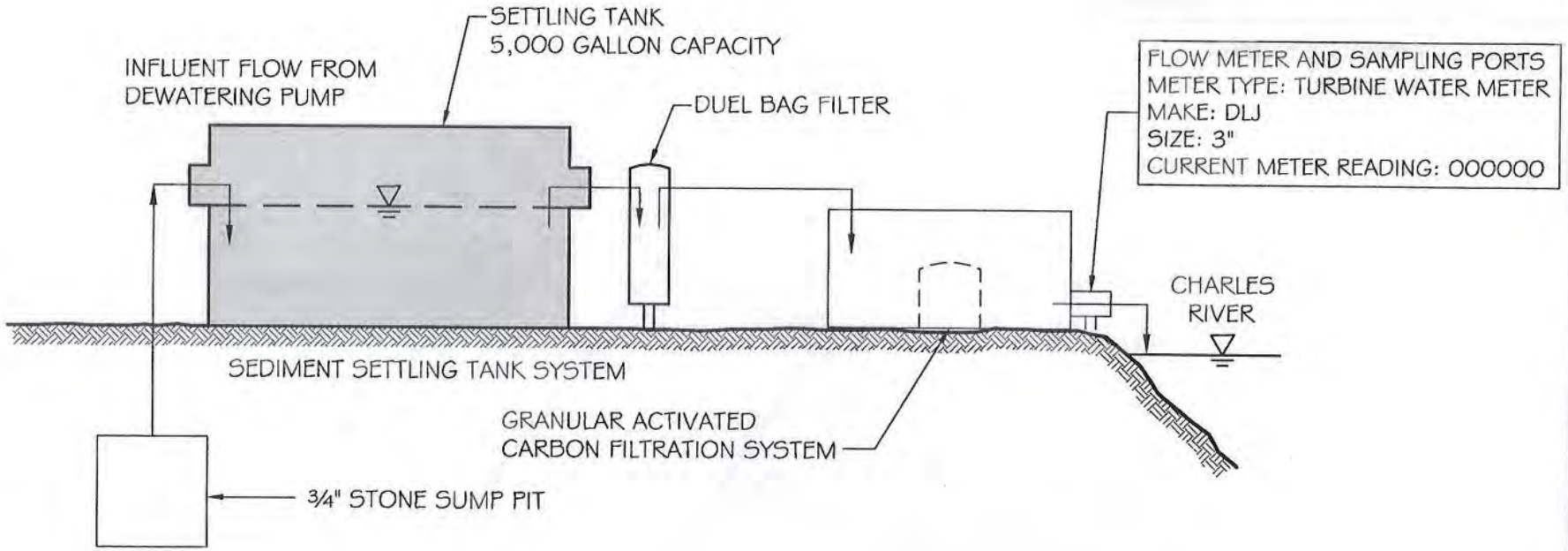
FOR
9-23 GRIGGS STREET LLC
BY
McPHAIL ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

Date: APRIL 2011	Dwn: M.B.S.	Chkd: W.J.B.	Scale: 1" = 40
Project No: 5233			

FILE NAME: 5233-E02a

FILE NAME: 5233-F03

FIGURE 3



McPHAIL ASSOCIATES, INC.
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

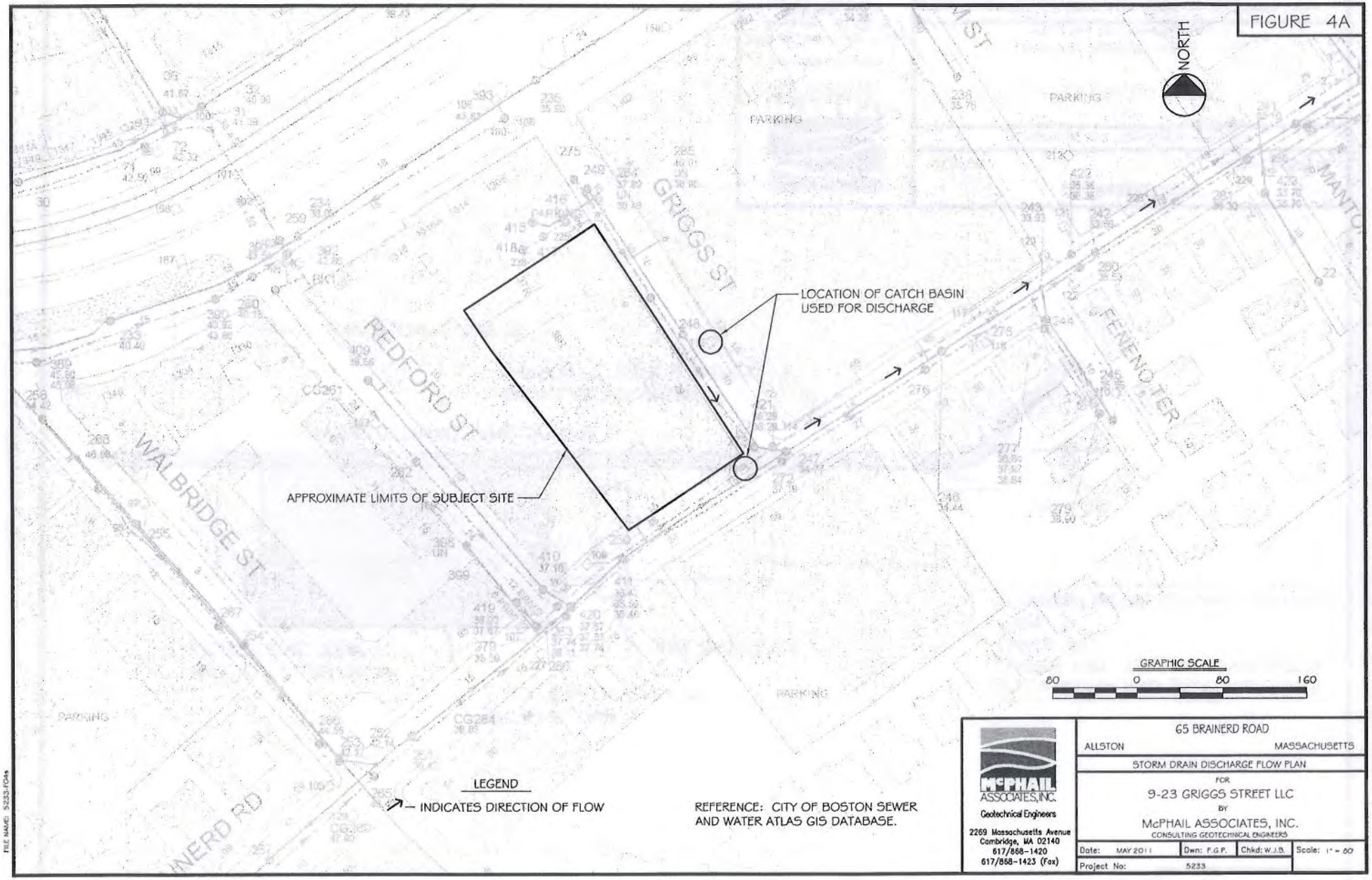
65 BRAINERD ROAD
ALLSTON MASSACHUSETTS

SCHEMATIC OF TREATMENT SYSTEM

FOR
9-23 GRIGGS ST LLC
BY
McPHAIL ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

Date: MAY 2011	Dwn: F.G.P.	Chkd: W.J.B.	Scale: N.T.S.
Project No: 5233			

FIGURE 4A



McPHAIL ASSOCIATES, INC.
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

65 BRAINERD ROAD
ALLSTON MASSACHUSETTS

STORM DRAIN DISCHARGE FLOW PLAN

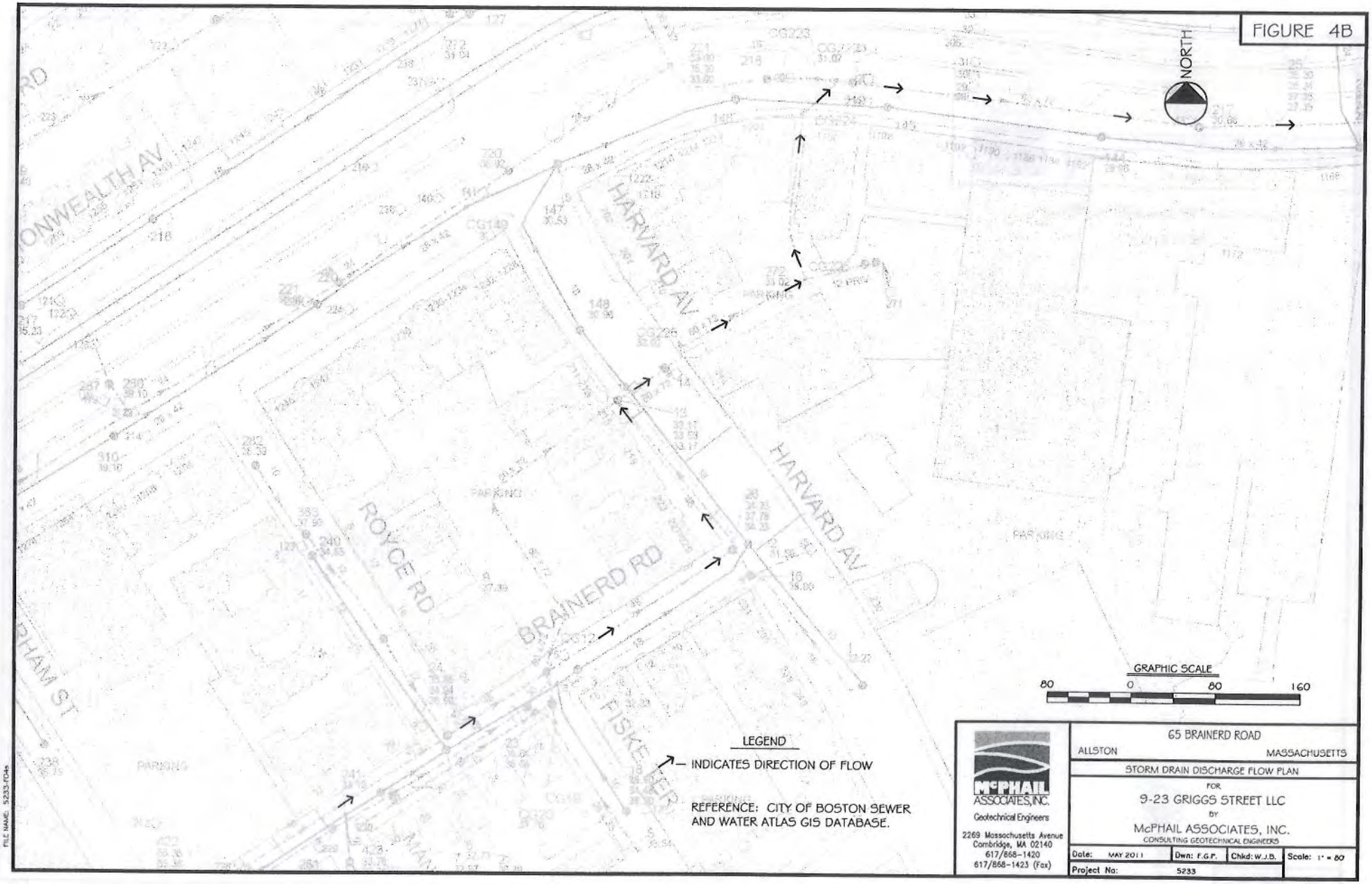
FOR
9-23 GRIGGS STREET LLC

BY
McPHAIL ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

Date: MAY 2011	Dwn: F.G.P.	Chkd: W.J.B.	Scale: 1" = 80
Project No: 5233			

FILE NAME: 5233-fGis

FIGURE 4B



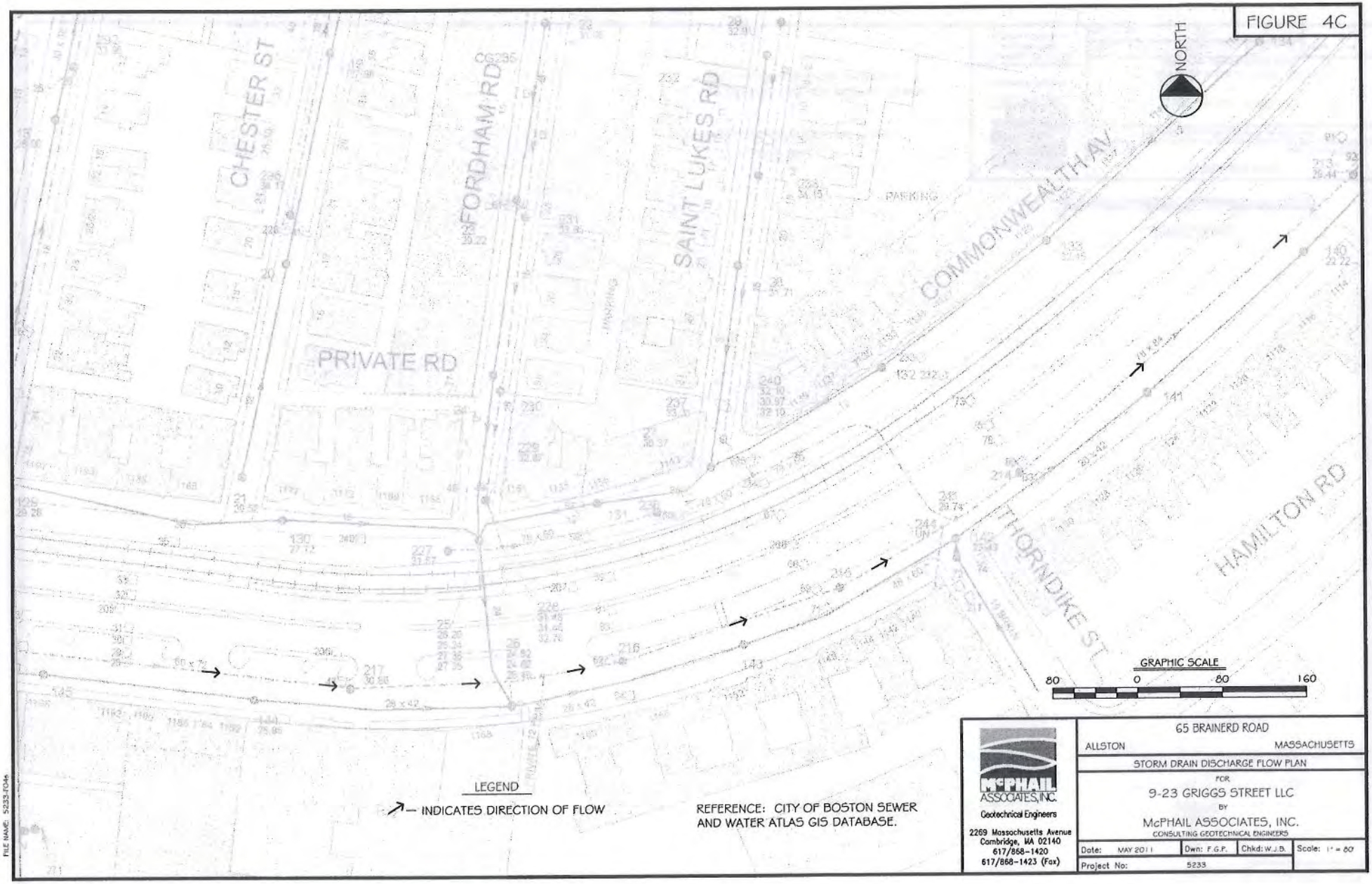
McPHAIL ASSOCIATES, INC.
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

65 BRAINERD ROAD
ALLSTON MASSACHUSETTS
STORM DRAIN DISCHARGE FLOW PLAN
FOR
9-23 GRIGGS STREET LLC
BY
McPHAIL ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

Date: MAY 2011	Dwn: F.G.P.	Chkd: W.J.B.	Scale: 1" = 80
Project No: 5233			

FILE NAME: 5233-FD4a

FIGURE 4C



LEGEND

↗ — INDICATES DIRECTION OF FLOW

REFERENCE: CITY OF BOSTON SEWER AND WATER ATLAS GIS DATABASE.

McPHAIL ASSOCIATES, INC.
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

65 BRAINERD ROAD
ALLSTON MASSACHUSETTS

STORM DRAIN DISCHARGE FLOW PLAN

FOR

9-23 GRIGGS STREET LLC

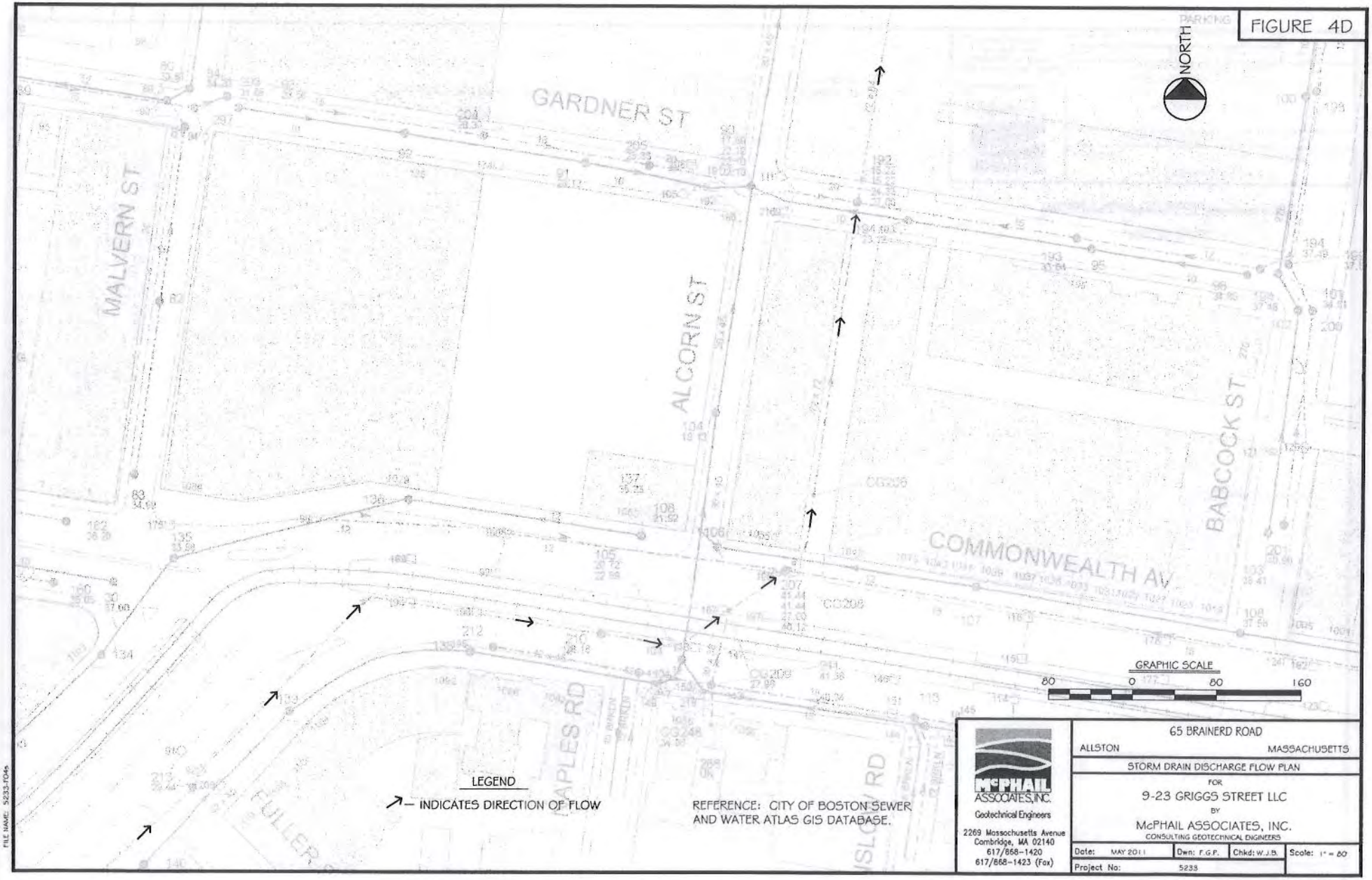
BY

McPHAIL ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

Date: MAY 2011	Dwn: F.G.P.	Chkd: W.J.B.	Scale: 1" = 80'
Project No: 5233			

FILE NAME: 5233-FD4a

FIGURE 4D



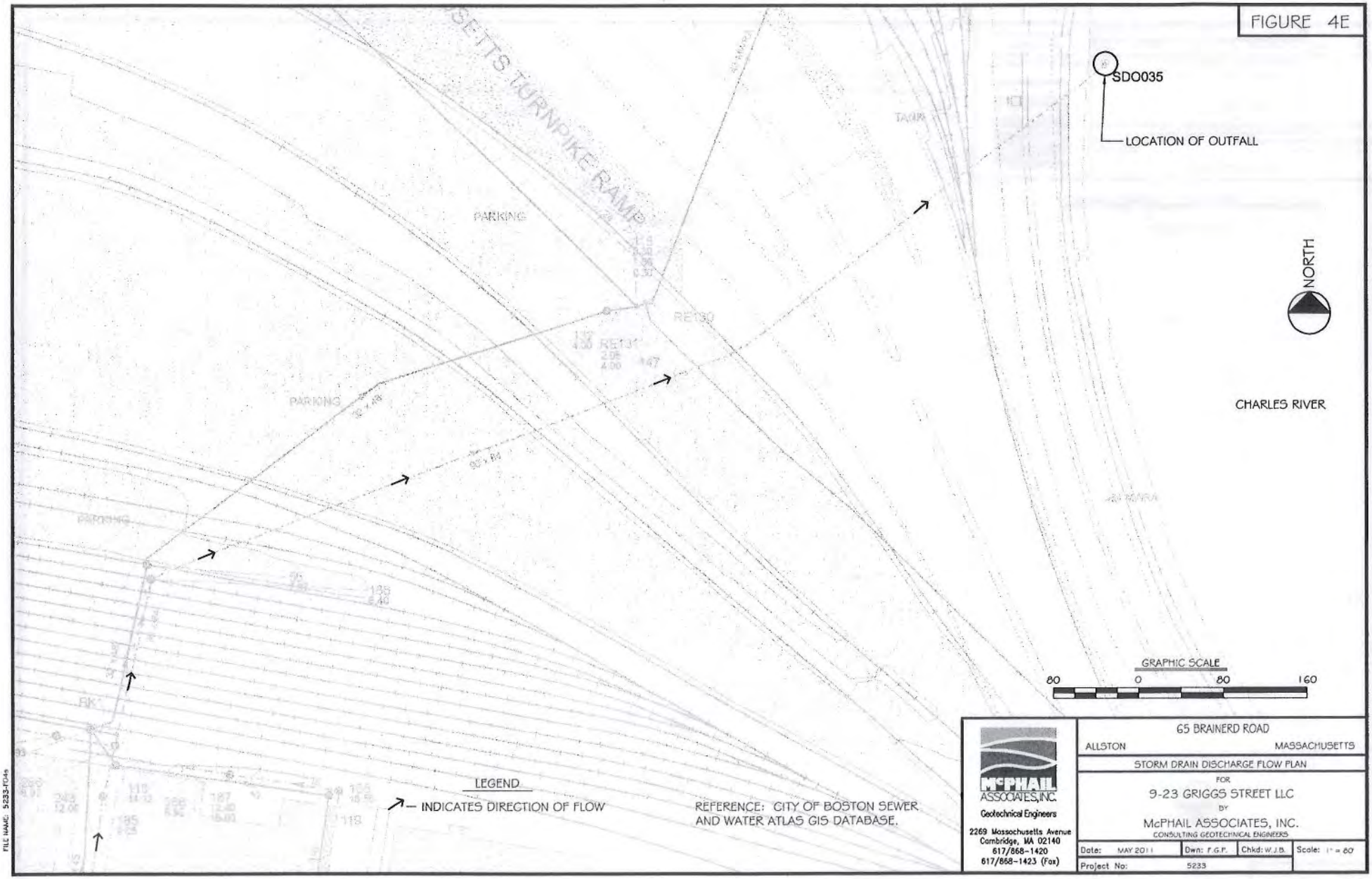
McPHAIL ASSOCIATES, INC.
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

65 BRAINERD ROAD
ALLSTON MASSACHUSETTS
STORM DRAIN DISCHARGE FLOW PLAN
FOR
9-23 GRIGGS STREET LLC
BY
McPHAIL ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

Date: MAY 2011	Dwn: F.G.P.	Chkd: W.J.B.	Scale: 1" = 80
Project No: 5233			

FILE NAME: 5233-FD4S

FIGURE 4E



McPHAIL ASSOCIATES, INC.
Geotechnical Engineers
2269 Massachusetts Avenue
Cambridge, MA 02140
617/868-1420
617/868-1423 (Fax)

65 BRAINERD ROAD
ALLSTON MASSACHUSETTS

STORM DRAIN DISCHARGE FLOW PLAN

FOR
9-23 GRIGGS STREET LLC
BY
McPHAIL ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

Date: MAY 2011	Dwn: F.G.P.	Chkd: W.J.B.	Scale: 1" = 80
Project No: 5233			

FILE NAME: 5233-FD4s

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

ATTACHMENT A

LIMITATIONS

The purpose of this report is to present the results of testing of groundwater samples obtained from monitoring wells located at 65 Brainerd Road in Allston, Massachusetts, in support of an application for approval of construction site dewatering discharge into surface waters of the Commonwealth of Massachusetts under EPA's Massachusetts Remedial General Permit MAG910000.

The observations were made under the conditions stated in this report. The conclusions presented above were based on these observations. If variations in the nature and extent of subsurface conditions between the widely spaced subsurface explorations become evident in the future, it will be necessary to re-evaluate the conclusions presented herein after performing on-site observations and noting the characteristics of any variations.

The conclusions submitted in this report are based in part upon chemical test data obtained from analysis of groundwater samples, and are contingent upon their validity. The data have been reviewed, and interpretations have been made in the text. It should also be noted that fluctuations in the types and levels of contaminants and variations in their flow paths may occur due to changes in seasonal water table, past practices used in disposal and other factors.

Chemical analyses have been performed for specific constituents during the course of this site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the site.

This report and application have been prepared on behalf of and for the exclusive use of 9-23 Griggs ST LLC. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party nor used in whole or in part by any other party without prior written consent of McPhail Associates, Inc.

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

APPENDIX B

Notice of Intent Transmittal Form

Boston Water & Sewer Dewatering Discharge Permit Application

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**: 65 Brainerd Road		**Facility/site** mailing address:			
Location of **facility/site**: longitude: -71.133 latitude: 42.348	Facility SIC code(s):	Street: 65 Brainerd Road			
b) Name of **facility/site owner:**		Town: Allston			
Email address of facility/site owner: jayb@mvernon.com		State: MA	Zip: 02134	County: Suffolk	
Telephone no. of facility/site **owner**: 617-267-0006					
Fax no. of facility/site **owner**: 617-267-8908		**Owner** is (check one): 1. Federal ○ 2. State/Tribal ○ 3. Private ◉ 4. Other ○ if so, describe:			
Address of **owner** (if different from site):					
Street: 29 Commonwealth Avenue, 6th Floor					
Town: Boston	State: MA	Zip: 02116	County: Suffolk		
c) Legal name of **operator**:		**Operator** telephone no: 617-267-0006			
9-23 Griggs ST LLC		**Operator** fax no.: 617-267-8908	**Operator** email: jayb@mvernon.com		
Operator contact name and title: Mr. Jay Bisognano					
Address of **operator** (if different from owner):	Street:				
Town:	State:	Zip:	County:		

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 ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐ C. Petroleum Sites with Additional Contamination ☐
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites ☒ B. VOC Sites with Additional Contamination ☐ C. Primarily Heavy Metal Sites ☐
III - Contaminated Construction Dewatering	A. General Urban Fill Sites ☐ B. Known Contaminated Sites ☒

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐ C. Hydrostatic Testing of Pipelines and Tanks ☐ D. Long-Term Remediation of Contaminated Sumps and Dikes ☐ 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

b) Provide the following information about each discharge:

1) Number of discharge points: 2

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow 0.1675 Is maximum flow a **design value**? Y ○ N ◉
Average flow (include units) 0.05575 Is average flow a design value or estimate? yes

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

pt.1: lat	42.348	long	-71.133	pt.2: lat.	42.347	long.	-71.133 ;
pt.3: lat		long		pt.4: lat.		long.	;
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):

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

c) Expected dates of discharge (mm/dd/yy): start 06/13/2011 end 06/13/2012

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).

Please refer to the attached report

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)		☐	☒								
2. Total Residual Chlorine (TRC)		☒	☐								
3. Total Petroleum Hydrocarbons (TPH)		☐	☒								
4. Cyanide (CN)	57125	☒	☐								
5. Benzene (B)	71432	☒	☐	3	grab	8260	2.5	ND			
6. Toluene (T)	108883	☒	☐	3	grab	8260	2.5	ND			
7. Ethylbenzene (E)	100414	☒	☐	3	grab	8260	2.5	ND			
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	3	grab	8260	2.5	ND			
9. Total BTEX [2]	n/a	☒	☐	3	grab	8260		ND			
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	3	grab	8260	2.0	ND			
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	3	grab	8260	2.0	ND			
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	3	grab	8260	2.0	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	☒	☐	3	grab	8260	2.0				
14. Naphthalene	91203	☒	☐	3	grab	8260	2.0				
15. Carbon Tetrachloride	56235	☒	☐	3	grab	8260	1.0				
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	3	grab	8260	1.0				
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	3	grab	8260	1.0				
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	3	grab	8260	1.0				
18a. Total dichlorobenzene		☒	☐	3	grab	8260	1.0				
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	3	grab	8260	1.0				
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	3	grab	8260	1.0				
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	3	grab	8260	1.0				
22. cis-1,2 Dichloroethene (DCE)	156592	☐	☒	3	grab	8260		31	0.013	15	0.002
23. Methylene Chloride	75092	☒	☐	3	grab	8260	2.0				
24. Tetrachloroethene (PCE)	127184	☐	☒	3	grab	8260		7.4	0.003	3.13	0.0004
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	3	grab	8260	1.0				
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	3	grab	8260	1.0				
27. Trichloroethene (TCE)	79016	☐	☒	3	grab	8260		100	0.041	53.1	0.007

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	☒	☐	3	grab	8260	1.0				
29. Acetone	67641	☒	☐	3	grab	8260	5.0				
30. 1,4 Dioxane	123911	☒	☐	3	grab	8260	250				
31. Total Phenols	108952	☒	☐								
32. Pentachlorophenol (PCP)	87865	☒	☐								
33. Total Phthalates (Phthalate esters) [4]		☒	☐								
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☒	☐								
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐								
a. Benzo(a) Anthracene	56553	☒	☐								
b. Benzo(a) Pyrene	50328	☒	☐								
c. Benzo(b)Fluoranthene	205992	☒	☐								
d. Benzo(k)Fluoranthene	207089	☒	☐								
e. Chrysene	21801	☒	☐								
f. Dibenzo(a,h)anthracene	53703	☒	☐								
g. Indeno(1,2,3-cd) Pyrene	193395	☒	☐								
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐								

[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	☒	☐								
i. Acenaphthylene	208968	☒	☐								
j. Anthracene	120127	☒	☐								
k. Benzo(ghi) Perylene	191242	☒	☐								
l. Fluoranthene	206440	☒	☐								
m. Fluorene	86737	☒	☐								
n. Naphthalene	91203	☒	☐								
o. Phenanthrene	85018	☒	☐								
p. Pyrene	129000	☒	☐								
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐								
38. Chloride	16887006	☒	☐								
39. Antimony	7440360	☒	☐								
40. Arsenic	7440382	☒	☐								
41. Cadmium	7440439	☒	☐								
42. Chromium III (trivalent)	16065831	☒	☐								
43. Chromium VI (hexavalent)	18540299	☒	☐								
44. Copper	7440508	☒	☐								
45. Lead	7439921	☒	☐								
46. Mercury	7439976	☒	☐								
47. Nickel	7440020	☒	☐								
48. Selenium	7782492	☒	☐								
49. Silver	7440224	☒	☐								
50. Zinc	7440666	☒	☐								
51. Iron	7439896	☐	☒								
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		☐	☐	3	grab	8260		1.3	0.0005	1.0	0.0001
		☐	☐								

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? iron
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? Metal: iron DF: >100 Metal: DF: Metal: DF: Metal: DF: 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)? 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:

5,000-gallon settling tank, bag filter and granular activated carbon filtration in series

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):	Granular Activated Carbon Filter		

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 25 gpm Maximum flow rate of treatment system 75 gpm
Design flow rate of treatment system 100 gpm

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

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:
Discharge into storm darin which runs along Griggs Street that ultimately discharges to the Charles River. Please refer to attached report for further details and plan

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 Class C

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 24.6 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)? Nutrients and phosphorus

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.

Please refer to attached report

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes___ No ✓
Has any consultation with the federal services been completed ? Yes___ No ✓ or is consultation underway? Yes ____ No____
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No ✓ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No ✓

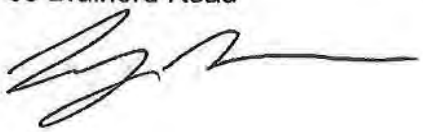
7. Supplemental information. :

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

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: 65 Brainerd Road

Operator signature: 

Title: Project Manager

Date: 6-1-2011

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

APPENDIX C

RESULTS OF GROUNDWATER ANALYSIS

From 2004 through 2009 a series of subsurface investigations were completed at the subject site to assess the presence of contamination present in soil and groundwater. Specifically, these investigations have included the advancement of soil borings and the installation of groundwater monitoring wells across the subject site. From each exploration, selected samples of soil and groundwater were obtained and submitted to a laboratory for chemical analyses. The locations of all explorations performed at the site are shown on **Figure 2**. The results of groundwater analysis during this time period are shown tables included in **Appendix C**

In summary, releases of chlorinated volatile organic compounds (CVOCs) have migrated vertically in the subsurface at the site and dispersed laterally into groundwater. A relatively impermeable layer of soil is present at approximately 26 feet below ground surface across the subject site which is likely limiting migration of the contamination. Groundwater contamination has been detected at the northeast and southwest portions of the subject site. Based upon the analysis of soil samples obtained from explorations performed by others at the site, CVOC contamination generally exists at the soil/water interface. Visual and olfactory observations, field screening observations and analytical results of soil conducted by others at the site indicate that surficial soil has not been impacted by the release.

Initially in 2004, eight (8) samples of groundwater were obtained from groundwater monitoring wells installed across the site by others and were submitted for laboratory analysis for the presence of volatile organic compounds (VOC), extractable petroleum hydrocarbons (EPH), volatile petroleum hydrocarbons (VPH), and total metals that included arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. The results of the analyses indicated levels of CVOCs namely tetrachloroethene (PCE) and trichloroethene (TCE) which exceeded the applicable RCWG-2 reporting standards established in 310 CMR 40.0000 Massachusetts Contingency Plan (MCP). The laboratory analysis did not detect the presence of EPH, VPH, and total metals in excess of the laboratory method detection limits.

In 2006, six (6) groundwater samples were obtained by others from a new series of monitoring wells that were installed across the site. The samples were submitted for laboratory analysis for the presence of VOC, EPH, VPH, and total metals. The results of the analysis indicated the presence of trichloroethene and cis-1,2-dichloroethene (cis-DCE) at concentrations which exceeded the applicable MCP RCGW-2 reporting thresholds. In addition, the analysis detected VPH fraction C_5-C_8 aliphatics at a maximum concentration of 1,800 micrograms per liter (ug/l) which is below the RCGW-2 reporting threshold of 3,000 ug/l. The remaining VPH fractions were not dected in excess of the laboratory method detection limits. Total arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver were detected at maximum concentrations of 4.6 ug/l, 240 ug/l, 0.51 ug/l, 4.1 ug/l, 5.8 ug/l, 0.15 ug/l, 5.6 ug/l, and 1.9 ug/l, respectively. A comparison of the total metal concentrations did not indicate an exceedance of the RCGW-2 reporting thresholds. The results of the analysis did not detect the presence of EPH factions at concentrations which exceeded the laboratory method detection limits.

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

During 2007, a series of groundwater samples were obtained from ten (10) monitoring wells located across the subject site. Each sample was submitted for laboratory analysis for the presence of VOCs to assess for the contaminants of concern, which were identified as being CVOCs. Selected groundwater samples were also tested for the presence of EPH fractions and VPH fractions. The results of the analysis indicated the presence of varying concentrations of CVOCs in the samples of groundwater obtained from across the subject site. The results of the VPH analysis detected the presence of fraction C_5-C_8 aliphatics at concentrations ranging from 55 ug/l to 381 ug/l, which are well below the MCP RCGW-2 reporting threshold of 3,000 ug/l. The remaining VPH fractions were not detected in excess of the laboratory method detection limit. The laboratory analysis did not detect the presence of EPH fractions at concentrations which exceeded the method detection limits.

As a result of the previous groundwater analysis performed at the site, a focused groundwater sampling and analysis program was performed by others at the subject site in 2008 and 2009. Groundwater samples obtained from the existing monitoring wells during this time period were tested for the presence of VOCs to assess the extent of CVOC contamination. The results of the analysis indicated that the samples of groundwater obtained from within the limits of the subject site exhibited levels of cis-DCE and TCE which exceeded the applicable MCP clean up standards.

Based upon the results of the above mentioned analysis, CVOCs are considered the contaminants of concern at the subject site. The results of VPH, EPH, and total metal testing did not detect the presence of a reporting condition as defined in 310 CMR 40.0000 the MCP.

Previously detected levels of lead, selenium and silver exceed the EPA effluent limit of 1.3 ug/l, 5 ug/l, and 1.2 ug/l, respectively, for discharge into a freshwater body. As a result, a Dilution Factor (DF) was calculated for the detected levels of total lead, selenium and silver pursuant to the procedure contained in MAG910000, Appendix V. The purpose of the DF calculation is to establish Total Recoverable Limits for metals, taking into consideration the anticipated dilution of the detected analyte upon discharge into the Charles River. The calculated DF was then used to find the appropriate Dilution Range Concentrations (DRCs) contained in MAG910000, Appendix IV. The Minimum Flow Rate calculated by the USGS Streamstats GIS database at the location of discharge into the Charles River for 7 consecutive days with a recurrence interval of 10 years (7Q10 flow) is 24.6 thus resulting in DF=147. A DF greater than 100 corresponds to a dilution concentration of 430 ug/l, 408 ug/l and 240 ug/l, respectively. Therefore, based on calculations of the applicable dilution factor the detected levels of lead, selenium, and silver do not exceed the applicable EPA established effluent limits.

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

On March 15, 2011, a representative of McPhail Associates, Inc. obtained groundwater samples from monitoring wells HA-101, HA-104 and HA-201D located on the subject site, respectively. The purpose of the sampling and analysis was to further assess the presence of the contaminants of concern. The groundwater samples did not exhibit the presence of a sheen nor other visual or olfactory evidence of petroleum contamination. Prior to sampling, each well was purged using a peristaltic pump at a low flow rate. During purging of each well, groundwater field measurements for dissolved oxygen (DO), temperature, pH, conductivity and oxygen reduction potential (ORP) were obtained using a Yellow Springs Incorporated (YSI) Model 556 MPS. The samples were sent to a certified laboratory and chemically analyzed for the presence of VOCs. The locations of the groundwater monitoring wells are shown on **Figure 2**.

Chemical test results are summarized in **Table 1** and laboratory data is attached. The results of chemical testing indicate the following:

1. **pH:** Field measurements indicate that the groundwater pH varies from 5.9 and 6.3 Standard Units (S.U.). The recommended range for pH discharge is 6.5 to 8.5 S.U. However, it is anticipated that the placement of concrete concurrently with dewatering will increase the pH levels in the influent.

2. **VOCs:** The results of the groundwater analysis indicated the presence of TCE in the groundwater samples at concentrations of 1.4 ug/l, 58 ug/l and 100 ug/l. The EPA effluent limit for discharge is 5 ug/l. In addition, the groundwater sample obtained from HA-101 exhibited a level of PCE at 7.4 ug/l which exceeds the EPA effluent limit for discharge of 5 ug/l. Samples of groundwater obtained from the remaining two monitoring wells did not exhibit levels of PCE in excess of the laboratory method detection limits. Groundwater sampled from HA-101 and HA-104 exhibited concentrations of cis-DCE at 31 ug/l and 13 ug/l, respectively, which is well below the EPA effluent limit of 70 ug/l. The remaining monitoring well, HA-201D, did not exhibit detectable levels of cis-DCE. With the exception of chloroform, the remaining VOCs tested in each sample of groundwater were not detected in excess of the laboratory method detection limit. The analysis of groundwater obtained from HA-201D indicated the presence of chloroform at a concentration of 1.3 ug/l.

As indicated in the letter portion of this report, the influent will be passed through a settling tank, bag filter and a granular activated carbon (GAC) filtration system to settle out particulate matter and remove elevated levels of CVOCs in the water to meet allowable total suspended solids (TSS) and CVOC discharge limits established by the US EPA prior to discharge.

TABLE 1
ANALYTICAL RESULTS - GROUNDWATER (RGP Permit)

65 Brainerd Road;
Allston, Massachusetts
Project Number 5233

LOCATION	EPA	HA-101	HA-104	HA-201D
SAMPLING DATE	Established	3/15/2011	3/15/2011	3/15/2011
LAB SAMPLE ID	Effluent Limit	L1103395-07	L1103395-06	L1103395-10
MCP Volatile Organics 8260 (ug/l)				
Benzene		ND(2.5)	ND(1)	ND(1)
Toluene		ND(2.5)	ND(1)	ND(1)
Ethylbenzene		ND(2.5)	ND(1)	ND(1)
o-Xylene		ND(2.5)	ND(1)	ND(1)
p/m-Xylene		ND(5)	ND(2)	ND(2)
Total BTEX	100	ND	ND	ND
1,2-Dibromoethane	0.0065	**ND(5)**	**ND(2)**	**ND(2)**
Methyl tert butyl ether	12	ND(5)	ND(2)	ND(2)
Tertiary-Amyl Methyl Ether	Monitor only	ND(5)	ND(2)	ND(2)
Naphthalene	0.14	**ND(5)**	**ND(2)**	**ND(2)**
Carbon tetrachloride	4	ND(2.5)	ND(1)	ND(1)
1,4-Dichlorobenzene	5	ND(2.5)	ND(1)	ND(1)
1,2-Dichlorobenzene	600	ND(2.5)	ND(1)	ND(1)
1,3-Dichlorobenzene	320	ND(2.5)	ND(1)	ND(1)
1,1-Dichloroethane	7	ND(2.5)	ND(1)	ND(1)
1,2-Dichloroethane	5	ND(2.5)	ND(1)	ND(1)
1,1-Dichloroethene	3.2	ND(2.5)	ND(1)	ND(1)
cis-1,2-Dichloroethene	70	31	13	ND(1)
Methylene chloride	4.6	**ND(5)**	ND(2)	ND(2)
Tetrachloroethene	5	**7.4**	ND(1)	ND(1)
1,1,1-Trichloroethane	200	ND(2.5)	ND(1)	ND(1)
1,1,2-Trichloroethane	5	ND(2.5)	ND(1)	ND(1)
Trichloroethene	5	**100**	**58**	1.4
Vinyl chloride	2	ND(2.5)	ND(1)	ND(1)
Acetone	Monitor only	ND(12)	ND(5)	ND(5)
1,4-Dioxane	Monitor only	ND(620)	ND(250)	ND(250)
Chloroform		ND(2.5)	ND(1)	**1.3**

ND-not detected in excess of the laboratory method detection limits
Bold-exceeds EPA effluent limits

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-06
Client ID: HA-104
Sample Location: ALLSTON, MA
Matrix: Water
Analytical Method: 97,8260B
Analytical Date: 03/17/11 20:51
Analyst: MM

Date Collected: 03/15/11 11:35
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	58		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-06
Client ID: HA-104
Sample Location: ALLSTON, MA

Date Collected: 03/15/11 11:35
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	13		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.0	--	1

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-06
Client ID: HA-104
Sample Location: ALLSTON, MA

Date Collected: 03/15/11 11:35
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	103		70-130

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-07 D
Client ID: HA-101
Sample Location: ALLSTON, MA
Matrix: Water
Analytical Method: 97,8260B
Analytical Date: 03/17/11 21:24
Analyst: MM

Date Collected: 03/15/11 12:05
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	2.5
1,1-Dichloroethane	ND		ug/l	2.5	--	2.5
Chloroform	ND		ug/l	2.5	--	2.5
Carbon tetrachloride	ND		ug/l	2.5	--	2.5
1,2-Dichloropropane	ND		ug/l	2.5	--	2.5
Dibromochloromethane	ND		ug/l	2.5	--	2.5
1,1,2-Trichloroethane	ND		ug/l	2.5	--	2.5
Tetrachloroethene	7.4		ug/l	2.5	--	2.5
Chlorobenzene	ND		ug/l	2.5	--	2.5
Trichlorofluoromethane	ND		ug/l	5.0	--	2.5
1,2-Dichloroethane	ND		ug/l	2.5	--	2.5
1,1,1-Trichloroethane	ND		ug/l	2.5	--	2.5
Bromodichloromethane	ND		ug/l	2.5	--	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	--	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	--	2.5
1,1-Dichloropropene	ND		ug/l	5.0	--	2.5
Bromoform	ND		ug/l	5.0	--	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	--	2.5
Benzene	ND		ug/l	2.5	--	2.5
Toluene	ND		ug/l	2.5	--	2.5
Ethylbenzene	ND		ug/l	2.5	--	2.5
Chloromethane	ND		ug/l	5.0	--	2.5
Bromomethane	ND		ug/l	5.0	--	2.5
Vinyl chloride	ND		ug/l	2.5	--	2.5
Chloroethane	ND		ug/l	5.0	--	2.5
1,1-Dichloroethene	ND		ug/l	2.5	--	2.5
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	2.5
Trichloroethene	100		ug/l	2.5	--	2.5
1,2-Dichlorobenzene	ND		ug/l	2.5	--	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5	--	2.5

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-07 D
Client ID: HA-101
Sample Location: ALLSTON, MA

Date Collected: 03/15/11 12:05
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	--	2.5
Methyl tert butyl ether	ND		ug/l	5.0	--	2.5
p/m-Xylene	ND		ug/l	5.0	--	2.5
o-Xylene	ND		ug/l	2.5	--	2.5
cis-1,2-Dichloroethene	31		ug/l	2.5	--	2.5
Dibromomethane	ND		ug/l	5.0	--	2.5
1,2,3-Trichloropropane	ND		ug/l	5.0	--	2.5
Styrene	ND		ug/l	2.5	--	2.5
Dichlorodifluoromethane	ND		ug/l	5.0	--	2.5
Acetone	ND		ug/l	12	--	2.5
Carbon disulfide	ND		ug/l	5.0	--	2.5
2-Butanone	ND		ug/l	12	--	2.5
4-Methyl-2-pentanone	ND		ug/l	12	--	2.5
2-Hexanone	ND		ug/l	12	--	2.5
Bromochloromethane	ND		ug/l	5.0	--	2.5
Tetrahydrofuran	ND		ug/l	12	--	2.5
2,2-Dichloropropane	ND		ug/l	5.0	--	2.5
1,2-Dibromoethane	ND		ug/l	5.0	--	2.5
1,3-Dichloropropane	ND		ug/l	5.0	--	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	2.5
Bromobenzene	ND		ug/l	5.0	--	2.5
n-Butylbenzene	ND		ug/l	5.0	--	2.5
sec-Butylbenzene	ND		ug/l	5.0	--	2.5
tert-Butylbenzene	ND		ug/l	5.0	--	2.5
o-Chlorotoluene	ND		ug/l	5.0	--	2.5
p-Chlorotoluene	ND		ug/l	5.0	--	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	2.5
Hexachlorobutadiene	ND		ug/l	1.5	--	2.5
Isopropylbenzene	ND		ug/l	5.0	--	2.5
p-Isopropyltoluene	ND		ug/l	5.0	--	2.5
Naphthalene	ND		ug/l	5.0	--	2.5
n-Propylbenzene	ND		ug/l	5.0	--	2.5
1,2,3-Trichlorobenzene	ND		ug/l	5.0	--	2.5
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	2.5
1,3,5-Trimethylbenzene	ND		ug/l	5.0	--	2.5
1,2,4-Trimethylbenzene	ND		ug/l	5.0	--	2.5
Ethyl ether	ND		ug/l	5.0	--	2.5

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-07 D
Client ID: HA-101
Sample Location: ALLSTON, MA

Date Collected: 03/15/11 12:05
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	5.0	--	2.5
Ethyl-Tert-Butyl-Ether	ND		ug/l	5.0	--	2.5
Tertiary-Amyl Methyl Ether	ND		ug/l	5.0	--	2.5
1,4-Dioxane	ND		ug/l	620	--	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	105		70-130

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-10
Client ID: HA-201D
Sample Location: ALLSTON, MA
Matrix: Water
Analytical Method: 97,8260B
Analytical Date: 03/18/11 13:39
Analyst: MM

Date Collected: 03/15/11 15:05
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	1.3		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	1.4		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-10
Client ID: HA-201D
Sample Location: ALLSTON, MA

Date Collected: 03/15/11 15:05
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.0	--	1

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

SAMPLE RESULTS

Lab ID: L1103395-10
Client ID: HA-201D
Sample Location: ALLSTON, MA

Date Collected: 03/15/11 15:05
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	101		70-130

Project Name: 9-23 GRIGGS ST
Project Number: 5233.9.00

Lab Number: L1103395
Report Date: 03/21/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/17/11 11:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-07 Batch: WG459212-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

ATTACHMENT D

AREAS OF CRITICAL CONCERN,
ENDANGERED AND THREATENED SPECIES

The 65 Brainerd Road property is located in an area of Allston, Massachusetts that is generally occupied by residential, commercial and retail properties. Based on a review of Massachusetts Geographic Information Systems DEP Priority Resources' Map, there are no drinking water supplies, no Areas of Critical Environmental Concern, no Sole Source Aquifers, no fish habitats, and no habitats of Species of Special Concern or Threatened or Endangered Species at or within 500-feet of the subject site. No Protected Open Space is indicated within 500-feet of the subject property. Wetlands and a 500-year flood zone are indicated along part of the seawall to the north of the property.

There are no surface water bodies located within the site boundaries. The Charles River, the nearest surface water body, is located approximately 0.93 miles to the northeast of the site. The Charles River is a 303(d) water quality impaired water body for pollutants such as chlorophyll-a, DDT, Escherichia Coli, non-native aquatic plants, oil and grease, dissolved oxygen, nutrients, total phosphorus, PCBs, sediment, and pH.

A review of the most recent federal listing of threatened and endangered species published by the U.S. Fish and Wildlife Service did not identify the presence of threatened and/or endangered species or critical habitats at or in the vicinity of the discharge location and/or discharge outfall. In addition, a review of the Massachusetts Division of Fisheries and Wildlife on-line database did not indicate the presence of threatened or endangered species at the point of discharge and/or the discharge outfall.

Based upon the above, the site is considered criterion A pursuant to Appendix IV of the RGP.

MassDEP - Bureau of Waste Site Cleanup

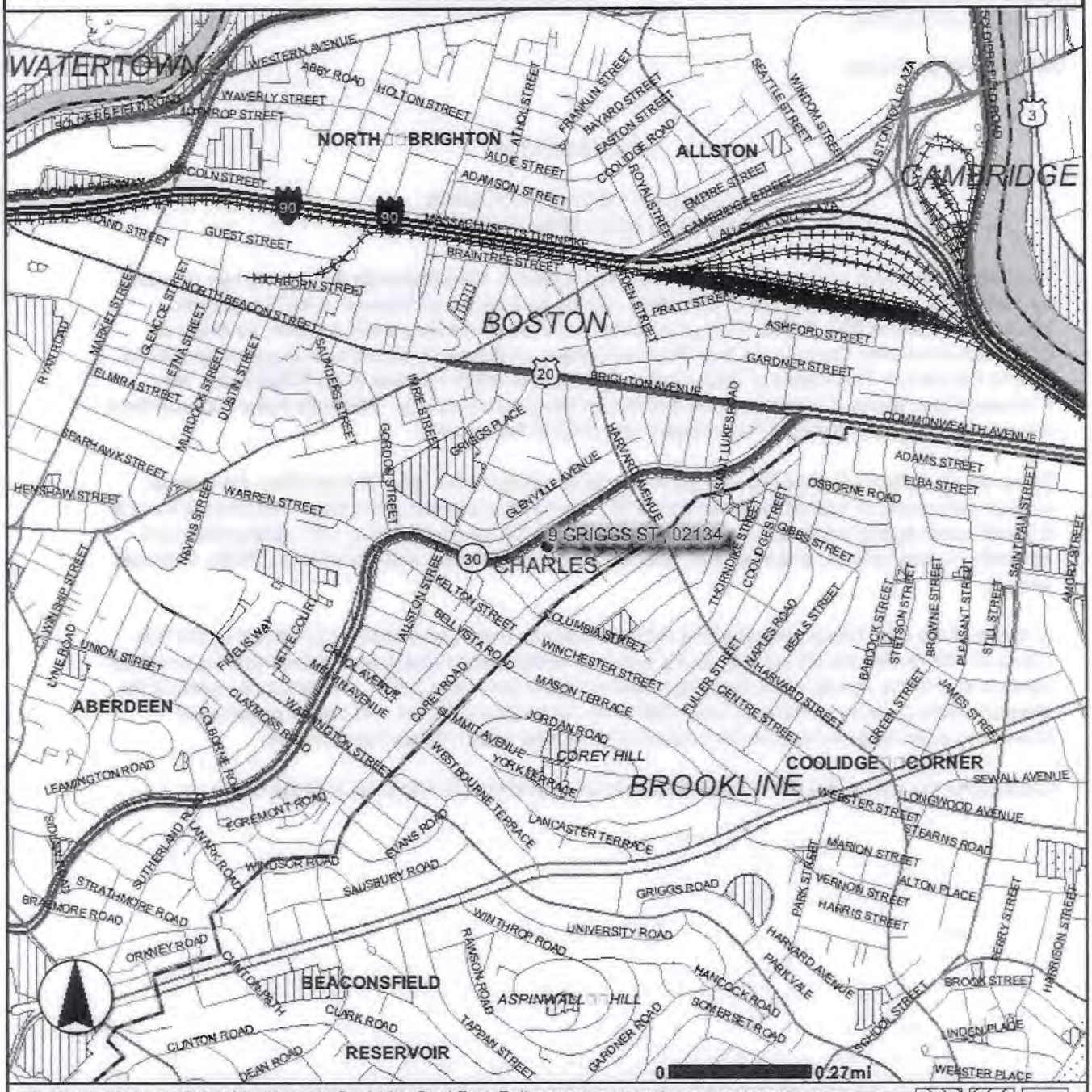
MCP Numerical Ranking System Map: 500 feet & 0.5 Mile Radii

Site Name:
9-23 Griggs Street
Boston-Allston, MA
RTN: 3-000024429
NAD83 MA Coordinates:
230156mE, 899842mN

April 20, 2011

The information shown on this map is the best available at the date of printing. For more information please refer to www.mass.gov/mgis/massgis.htm

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, Sub; 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

NHESP: Est Rare Weland Habitat, Certified Vernal Pool

DEP Permitted Solid Waste Landfill

MASSACHUSETTS AREAS OF CRITICAL ENVIRONMENTAL CONCERN
June 2009

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

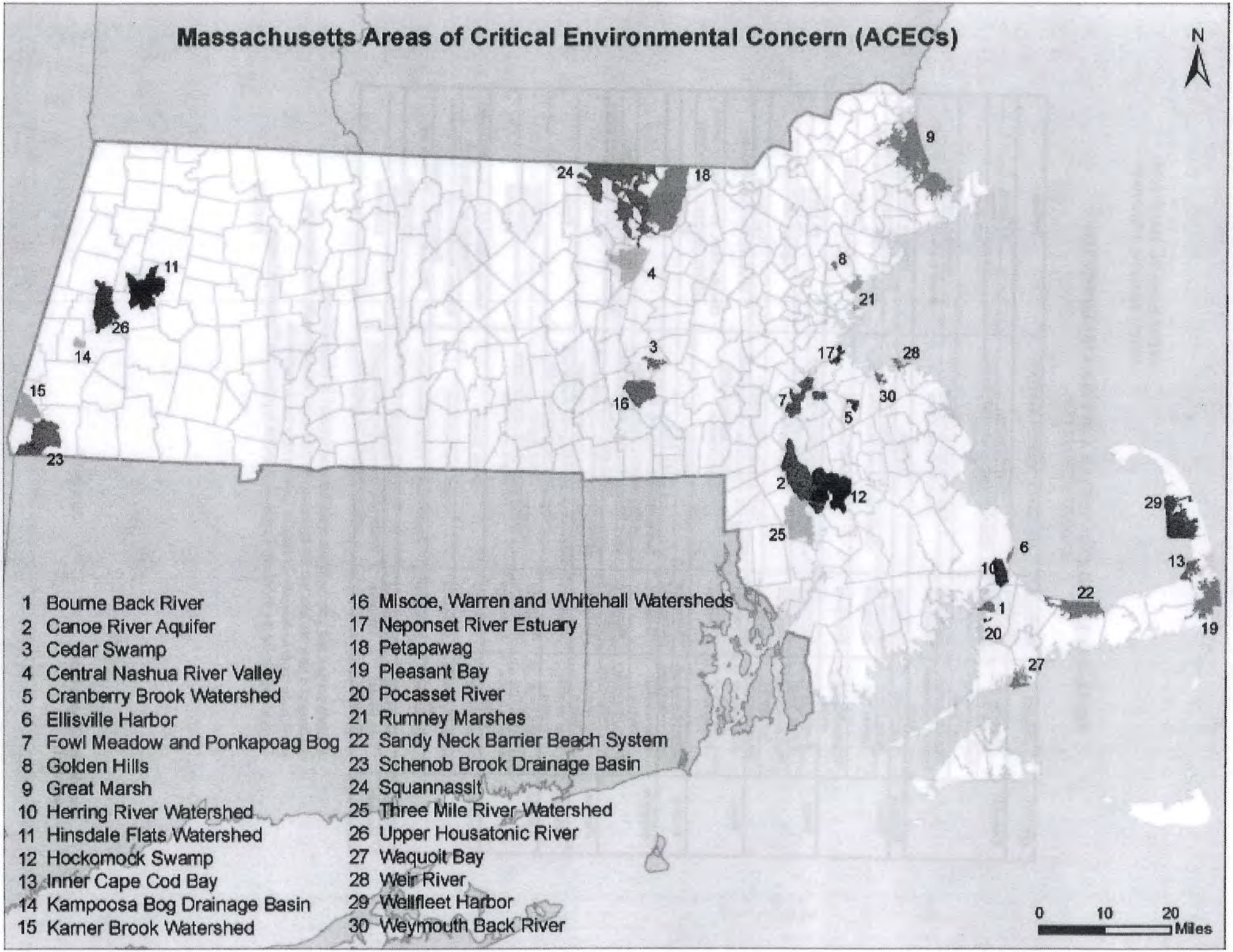
Weymouth Back River
(800 acres, 1982) Hingham and Weymouth

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 — June 2009

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

TOWN	ACEC
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


Massachusetts Areas of Critical Environmental Concern (ACECs)
N
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
0 10 20
Miles

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	Raynham and 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	Glocester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury
Franklin	Northeastern bulrush	Endangered	Wetlands	Montague
	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.	Hadley, 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, and Wareham
	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.

7/31/2008

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN NEW HAMPSHIRE

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Belknap	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Meredith, Alton and Laconia
Carroll	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Albany, Eaton, Madison Wolfeboro, Brookfield and Wakefield
Coos	Canada Lynx	Threatened	Regenerating softwood forest, usually with a high density of snowshoe hare.	All Towns
	Dwarf wedgemussel	Endangered	Connecticut River main channel and Johns River	Northumberland, Lancaster and Dalton
Cheshire	Dwarf wedgemussel	Endangered	S. Branch Ashuelot River and Ashuelot River	Swanzey, Keene and Surry
Grafton	Dwarf wedgemussel	Endangered	Connecticut River main channel	Haverhill, Piermont, Orford and Lyme
	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Holderness
Hillsborough	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Weare
Merrimack	Karner Blue Butterfly	Endangered	Pine Barrens with wild blue lupine	Concord and Pembroke
	Small whorled Pogonia	Threatened	Forests	Danbury, Epsom, Warner and Allenstown
Rockingham	Piping Plover	Threatened	Coastal Beaches	Hampton and Seabrook
	Roseate Tern	Endangered	Atlantic Ocean and nesting at the Isle of Shoals	
	Small whorled Pogonia	Threatened	Forests	Northwood, Nottingham, and Epping
Strafford	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Middleton, New Durham, Milton, Farmington, Strafford, Barrington, and Madbury
Sullivan	Northeastern bulrush	Endangered	Wetlands	Acworth, Charlestown, Langdon and Walpole
	Dwarf wedgemussel	Endangered	Connecticut River main channel	Plainfield, Cornish, Claremont and Charlestown
	Jesup's milk-vetch	Endangered	Banks of the Connecticut River	Plainfield and Claremont

-Eastern cougar, gray wolf and Puritan tiger beetle are considered extirpated in New Hampshire.
-Endangered gray wolves are not known to be present in New Hampshire, but dispersing individuals from source populations in Canada may occur statewide.
-There is no federally-designated Critical Habitat in New Hampshire.

7/31/2008

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

ATTACHMENT E

NATIONAL REGISTER OF HISTORIC PLACES

The National Register of Historic Places on-line database was reviewed for listings located within the immediate vicinity of the subject site in Boston, Massachusetts. A review of the most recent National Register of Historical Places for Suffolk County, Massachusetts did not identify records or addresses of Historic Places that exist in the immediate vicinity of the subject site and/or outfall location. The nearest National Historic Place to the subject site is the Allston Congregational Church which is located approximately 0.2 miles to the north of the subject site. It is not anticipated that dewatering activities at the subject site will affect the Allston Congregational Church.

Based upon the above, the site considered criterion 2 pursuant to Appendix IV of the RGP.

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

APPENDIX F

Best Management Practice 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 that may occur at the 65 Brainerd Road property located in Allston, 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

If groundwater is encountered during construction, dewatering effluent is anticipated to be pumped from localized sumps and trenches within the excavations directly into a settling tank. The effluent will then flow through any necessary treatment systems and discharge through hoses into a storm water catch basin located off of Griggs Street. Based upon a review of the Boston Water and Sewer Commission stormwater drain GIS database, the stormwater drain beneath Griggs Street ultimately discharges into the Charles River. Dewatering effluent treatment may consist of bag filters, GAC filtration or ion exchange, as required.

Discharge Monitoring and Compliance

Regular sampling and testing will be conducted at the influent to the system and the treated effluent as required by the RGP. This includes chemical testing required within days 1and 3 of initial discharge 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

McPHAIL ASSOCIATES, INC

Geotechnical Engineers

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 settling tanks, bag filters, resin filter system, 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 Contractor.

Miscellaneous Items

It is anticipated that the erosion control measures and the nature of the site 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 on designated uses of surrounding surface water bodies is anticipated. The nearest surface water body is the Charles River which is located 0.93 miles to the northeast of the subject site. Dewatering effluent will be pumped to a settling tank. Water within the settling tank will pumped through bag filters and a ion resin exchange system in series prior to discharge to the storm drains.

Management of Treatment System Materials

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 for equipment or materials storage that may be possible sources of pollution away from any dewatering activities, to the extent practicable.

Sediment from the tank used in the treatment system will be characterized and removed from the site to an appropriate receiving facility, in accordance with applicable laws and regulations. If used, the ion exchange resin may be recycled and/or removed from the site to an appropriate receiving facility. Bag filters carbon filtration resin will be disposed of as necessary.