



**NOTICE OF INTENT FOR DISCHARGE
PURSUANT TO MASSACHUSETTS
DEWATERING GENERAL PERMIT
MAG070000**

**110 BROAD STREET
BOSTON, MASSACHUSETTS**

JANUARY 5, 2017

Prepared For:
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
DEWATERING GP PROCESSING
INDUSTRIAL PERMIT UNIT (OEP 06-4)
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

On Behalf Of:
Boulevard Broad Street LLC
540 Tremont Street, Suite 8
Boston, MA 02116

2269 Massachusetts Avenue
Cambridge, MA 02140
www.mcphailgeo.com
(617) 868-1420

PROJECT NO. 5317



January 5, 2017

United States Environmental Protection Agency
DEWATERING GP PROCESSING
INDUSTRIAL PERMIT UNIT (OEP 06-4)
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

Attention: To Whom It May Concern

Reference: 110 Broad Street, Boston, Massachusetts
Notice of Intent for Temporary Construction Dewatering Discharge;
Massachusetts Dewatering General Permit MAG070000

Ladies and Gentlemen:

In accordance with the provisions of the Dewatering General Permit MAG070000 (DGP) that was issued to the Commonwealth of Massachusetts, the following is a summary of the site and groundwater quality information in support of a Notice of Intent (NOI) for the discharge of construction dewatering into Boston Harbor via the City of Boston storm drain system. The temporary discharge of construction dewatering will occur during redevelopment of the 110 Broad Street property in Boston, Massachusetts (the "subject site"). Refer to **Figure 1** Project Location Plan for the general site locus.

These services were performed and this permit application was prepared in accordance with our proposal dated July 10, 2015, and the subsequent authorization of New Boston Ventures. These services are subject to the limitations contained in **Appendix A**.

The required Notice of Intent Form contained in the DGP permit and Boston Water & Sewer Dewatering Discharge Permit Application are included in **Appendix B**.

Applicant/Operator

The applicant for the Notice of Intent-Remediation General Permit is:

Commodore-Walsh Broad Street LLC
404 Wyman Street, Suite 400
Waltham, MA 02451

Attention: Mr. Ed Corey

Tel: 617-614-3500
Email: ECorey@commodorebuilders.com



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Existing Conditions

The project site occupies an approximate 7,680 square-foot plan area generally bounded by Broad Street to the south, Wells Street to the west, and the John F. Fitzgerald Surface Road/I-93 South tunnel to the northeast. The site contains two contiguous buildings that are listed with the addresses of 102 and 112 Broad Street which front onto Broad Street. Outside of the existing buildings within the northern and eastern portions of the site, the ground surface generally consists of a concrete patio. The ground surface at the site generally slopes upward from about Elevation +16 within the northern portion of the site to about Elevation +18 within the southern portion of the site. The limits of the subject site are shown on **Figure 2**, which is based on a plan entitled Subsurface Investigation Plan.

Proposed Scope of Site Development

The proposed redevelopment will include demolition of the 112 Broad Street building in its entirety and selective demolition of the majority of the 102 Broad Street building. The south and west facades, and the foundations of the 102 Broad Street building will remain and will be incorporated into the proposed structure. The proposed structure is understood to consist of an irregularly-shaped, mixed-use building with a ground level footprint of about 7,100 square feet. The majority of the proposed building will be 12 stories, except at the location of the 102 Broad Street building, which will be 4 stories. The proposed building is planned to have a basement and parking vault with a combined footprint of about 6,900 square feet, which will generally extend to the property limits except at the location of the 102 Broad Street building. We understand that the lowest basement level and the lowest level slab of the automated parking vault will be at about Elevation -8 and Elevation -16, respectively.

Site Environmental Setting and Surrounding Historical Places

Based upon a review of the Massachusetts DEP on-line waste-site database the project site is not a DEP-listed MCP site. Further, a review of federal, state and municipal databases does not indicate the presence, storage and/or spill of oil or hazardous materials at the subject site.

Based on an on-line edition of the Massachusetts Geographic Information Systems MassDEP MCP Numerical Ranking System Map, the subject site and/or discharge location is not located within or in close proximity to Areas of Critical Environmental Concern, fish habitats, or habitats of Species of Special Concern, or habitats of Threatened or Endangered Species. The Resource Map indicates that there are no water bodies or wetland areas on the subject site. The closest body of water is Boston Harbor located approximately 500 feet to the east of the subject site. A copy of the Massachusetts DEP Phase I Site Assessment Map is included in **Appendix C**.



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A review of information provided in an Information for Planning and Conservation Trust Resource Report (IPaC Report) prepared by the U.S. Fish and Wildlife Service for area of the discharge outfall indicated that the Red Knot and the Roseate Tern, which are classified as "threatened" and "endangered", respectively, should be considered with regard to this project. However, the IPaC Report did not identify the presence of a critical habitat in the vicinity of the discharge outfall. Therefore, groundwater discharge from the subject site to Boston Harbor is considered to have "no affect" on the Red Knot and the Roseate Tern. Based upon the above, the site is considered a Criterion C pursuant to Appendix IV of the DGP. Copies of the IPaC Report and the official endangered species list are included in **Appendix C**.

The subject site is not listed on the National Register of Historical Places. However, the subject site is located within the Boston Custom House District (BOS.RF) which is listed in the National Registers of Historic Places. Additionally, the existing buildings (BOS.1589 & 1590) at the subject site are listed with the Massachusetts Cultural Resources Information System as being historically significant. As a result, plans for redevelopment of the subject site were reviewed by Boston Landmark Commission. According to the Boston Landmarks Commission, the existing buildings are not considered significant and therefore no further review is considered necessary. A copy of the Boston Landmark Letter dated January 20, 2015 is included in **Appendix C**.

As further discussed below, the construction dewatering effluent will be discharged into dedicated storm drains that eventually flow into the Boston Harbor. The dewatering of groundwater at the site will be temporary, intermittent and relatively small. Therefore, based on the anticipated duration of construction dewatering and the location of its discharge into the Boston Harbor, construction dewatering activities are not considered to have the potential to cause effects on historic properties. Hence, the site meets Criterion A of the DGP.

Construction Site Dewatering

Groundwater was observed in several completed explorations at depths ranging from 9.5 to 22.9 feet below the existing ground surface, or from Elevation +9.9 to Elevation -5.8. Stabilized groundwater levels observed in observation well AC11-22(OW), which was screened in the fill deposit, ranged from about 6.4 to 10.9 feet below the existing ground surface or from Elevation +10.7 to Elevation +6.2. Stabilized groundwater levels observed in observation well AC3-7(OW), which was screened in the glacial till deposit, ranged from about 18.8 to 21.5 feet below the existing ground surface or from Elevation -2.5 to Elevation -5.2. Stabilized groundwater levels observed in the Boston Groundwater Trust's observation wells 24L-1526(X) and 24L-1526B, which were located to the south of 88 Broad Street, ranged from Elevation +8.3 to Elevation +5.9.

It is anticipated that excavation within the proposed footprint of the common foundation will extend approximately 30 feet below the observed groundwater level. In order to facilitate



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construction of the below grade levels, to provide support of the excavation and to provide an effective groundwater cut-off during construction, a continuous slurry wall will be installed as the perimeter wall of the common foundation. Hence, construction dewatering will be necessary within the footprint of the common foundation to facilitate construction of the proposed below grade levels and additional foundation elements.

The excavation phase of construction will progress in stages with depth and will involve the off-site removal of fill material, organic soil, and glacial till from within the footprint of the proposed foundation. Given that the excavation will be performed within a slurry wall that will act as a groundwater cut-off, the volume of groundwater that will require construction dewatering will generally be limited to within the footprint of the foundation. The rate of construction dewatering discharge will vary as the excavation progresses from the relatively pervious fill material into the relatively impermeable underlying organic and glacial till deposits. It is anticipated that the rate of construction dewatering to facilitate excavation of the fill material will be on the order of 75 to 100 gallons per minute (gpm). However, as the excavation extends into the underlying organic and glacial till deposits, it is anticipated that rate of construction dewatering will decrease to approximately 25 to 50 gallons per minute. These estimates do not include surface run-off which will be removed from the excavation during periods of precipitation.

Given that the area of the foundation occupies the entirety of the subject site, temporary on-site collection and recharge of groundwater is not feasible. As a result, construction dewatering will require the discharge of collected groundwater into the storm drain system.

A review of available subgrade utility plans provided by the Boston Water and Sewer Commission indicates the presence of a 36-inch by 30-inch dedicated storm drain located beneath Wells Street. The stormwater drain located beneath Wells Street flows northeast where it connects to a 36-inch by 30-inch dedicated stormwater drain beneath Franklin Street which flows northwest to India Street. Beneath India Street, the storm drain flows northeast where it connects to a 60-inch diameter storm drain which flows east eventually discharging into the Boston Harbor at CSO 060. The locations of the relevant stormwater drains in relation to the subject site are indicated on **Figure 2**. The flow path of the discharge is shown in a plan provided by the Boston Water and Sewer Commission which is included in **Figure 3**.

Summary of Groundwater Analysis

On July 28, 2015, McPhail Associates, LLC obtained a sample of groundwater from monitoring well B-1(OW) which is located within the southeastern portion of the subject site. The groundwater sample was submitted to a certified laboratory for analysis for the presence of compounds required under the expired RGP which include total suspended solids (TSS), pH, total residual chlorine, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs) including total benzene, toluene, ethylbenzene and xylenes (BTEX), poly-aromatic hydrocarbons (PAHs), total phenols, pesticides and PCBs, and total



recoverable metals. An additional groundwater sample was obtained from monitoring well B-1(OW) on September 11, 2016 and submitted for laboratory analysis for the presence of TSS, total cyanide and total iron. The results of the laboratory analysis are summarized in **Table 1**, and laboratory data is included in **Appendix D**.

With the exception of iron, cyanide and TSS, the results of the laboratory testing did not detect concentrations of the tested compounds in excess of the respective EPA effluent limits for discharge into a salt water body. The groundwater samples obtained from B-1(OW) exhibited concentrations of total iron at 3.1 to 4.3 milligrams per liter (mg/l) which exceed the effluent limit for discharge into a salt water body of 1 mg/l. In addition, the laboratory analysis detected levels of total cyanide ranging from 0.007 to 0.008 mg/l which exceed the effluent limit for discharge into a salt water body of 0.001 mg/l. Finally, TSS was detected at concentrations ranging from 59 to 34 mg/l which exceeds the effluent limit for discharge into a salt water of 30 mg/l.

Groundwater Treatment

Based on the results of the above referenced groundwater analyses, it is our opinion that a 10,000-gallon capacity settling tank and bag filter in series will be required to settle and filter out particulate matter and lower the detected concentrations of TSS, total cyanide and total iron in groundwater to meet the applicable effluent limits established by the US EPA prior to discharge. If necessary, an ion resin exchange filter would be added in series after the bag filter to meet the required effluent limits. A schematic of the treatment system is shown on **Figure 4**.

Summary and Conclusions

The purpose of this report is to assess site environmental conditions and groundwater data to support an application for a Massachusetts Dewatering General Permit for off-site discharge of dewatered groundwater which will be encountered during redevelopment of the 110 Broad Street site in Boston, Massachusetts. The groundwater testing results reported in this application have been provided to the site owner.

Based on the results of the above referenced groundwater analyses, treatment of construction dewatering will be necessary to meet the allowable effluent discharge limits established in the expired RGP for TSS, total cyanide and total iron. The proposed construction dewatering effluent treatment system will consist of one settling tank 10,000-gallons in capacity, bag filters and ion resin exchange filter (if necessary) in series. Should the effluent monitoring results indicate levels of TSS, cyanide or total iron in excess of the effluent limits for discharge into a salt water body, additional mitigation measures would be implemented to meet the allowable discharge limits.



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January 5, 2017; Page 6

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.

Sincerely,

McPHAIL ASSOCIATES, LLC

Scott S. Smith, P.E.

Ambrose J. Donovan, P.E., L.S.P.

SSS/ajd

N:\Working Documents\Reports\5317_DGP_draft.docx

PROJECT LOCATION PLAN

110 BROAD STREET



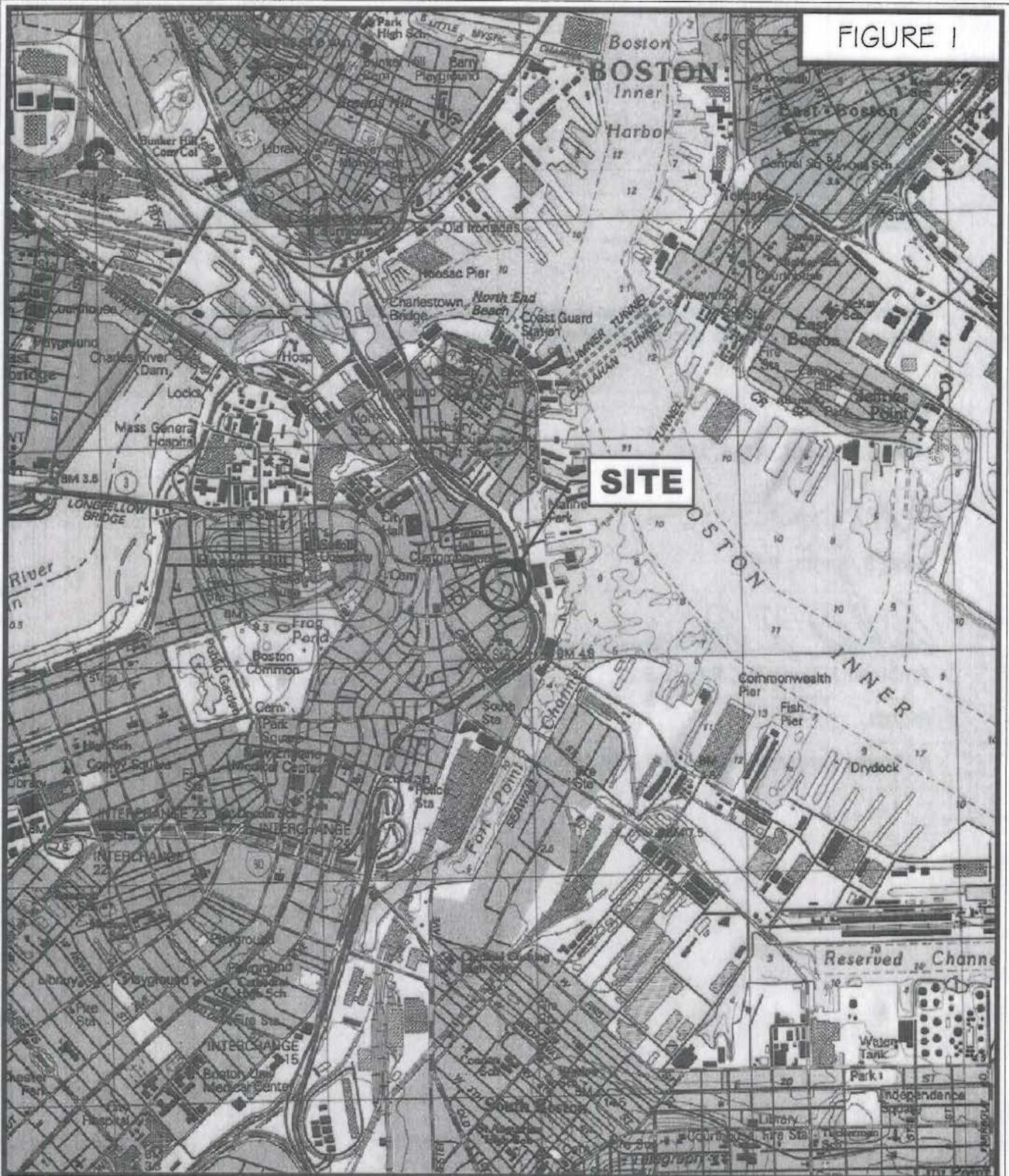
McPHAIL ASSOCIATES, LLC
110 BROAD STREET
DORCHESTER, MA 01913
TEL: 617-552-1111
WWW.MCPHAIL.COM

DATE: 01/05/17

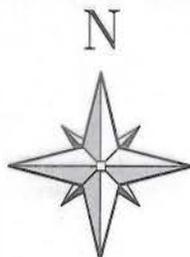
SCALE:

AS SHOWN

FIGURE 1



Geotechnical and
Geoenvironmental Engineers
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www.mcphailgeo.com



SCALE 1:25,000

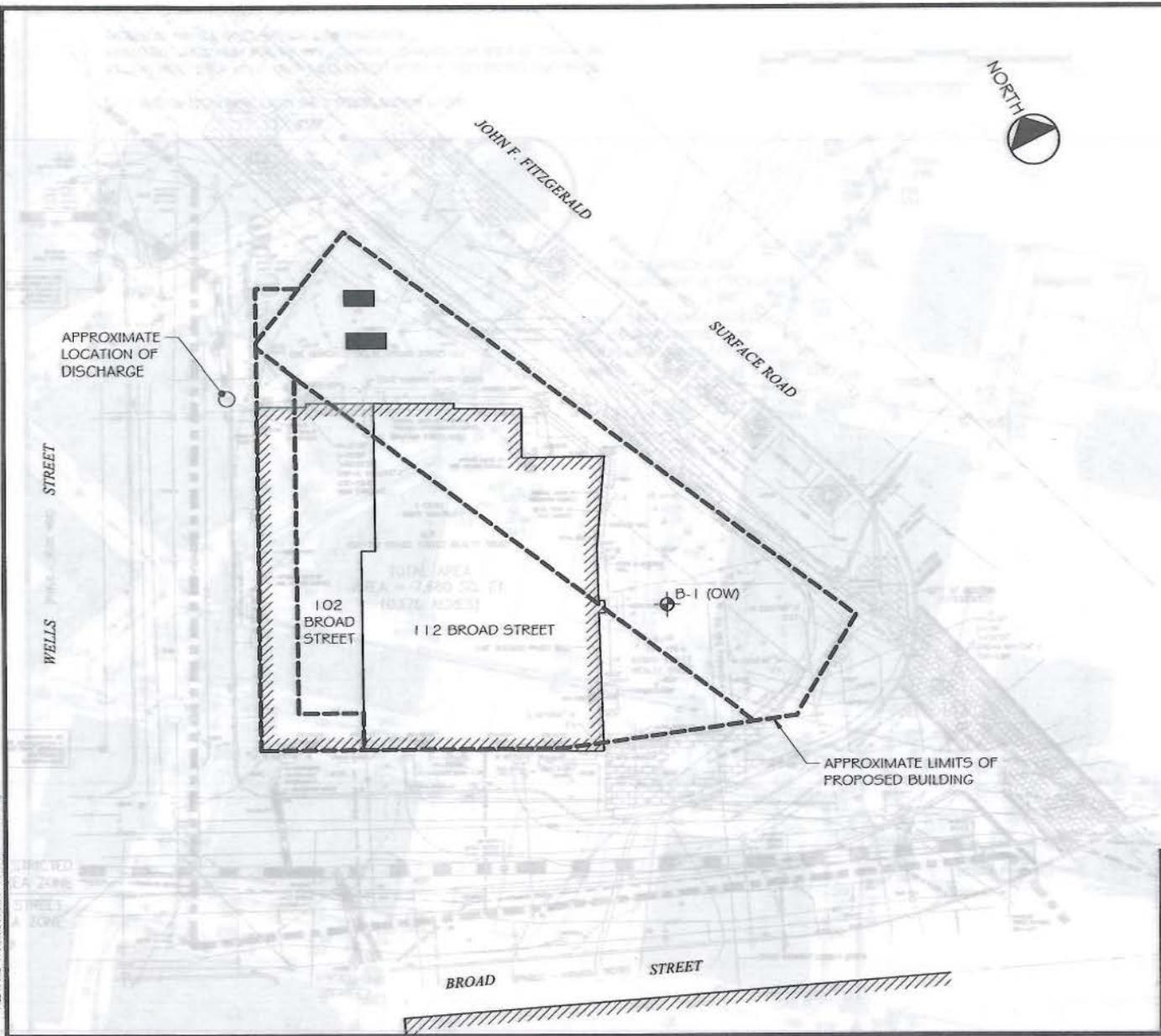
PROJECT LOCATION PLAN

110 BROAD STREET

BOSTON

MASSACHUSETTS

FIGURE 2



LEGEND

⊕ — APPROXIMATE LOCATION OF BORING PERFORMED BY CAR-DEE CORP. ON FEBRUARY 23 AND 24, 2015 FOR McPHAIL ASSOCIATES, LLC

(OW) — INDICATES OBSERVATION WELL INSTALLED WITHIN COMPLETED BOREHOLE

REFERENCE: THIS PLAN WAS PREPARED FROM A 10-SCALE DRAWING ENTITLED, "EXISTING CONDITIONS PLAN OF LAND" DATED SEPTEMBER 21, 2011 PREPARED BY VANASSE HANGEN BRUSTLIN, INC.



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110 BROAD STREET			
BOSTON		MASSACHUSETTS	
SITE PLAN			
FOR			
NEW BOSTON VENTURES, LLC			
BY			
McPHAIL ASSOCIATES, LLC			
Date: AUGUST 2015	Dwn: M.B.S.	Chkd: W.J.B.	Scale: 1" = 20'
Project No:	5317		

FILE NAME: H:\McPhail\5317\MPRS117.Plot.dwg

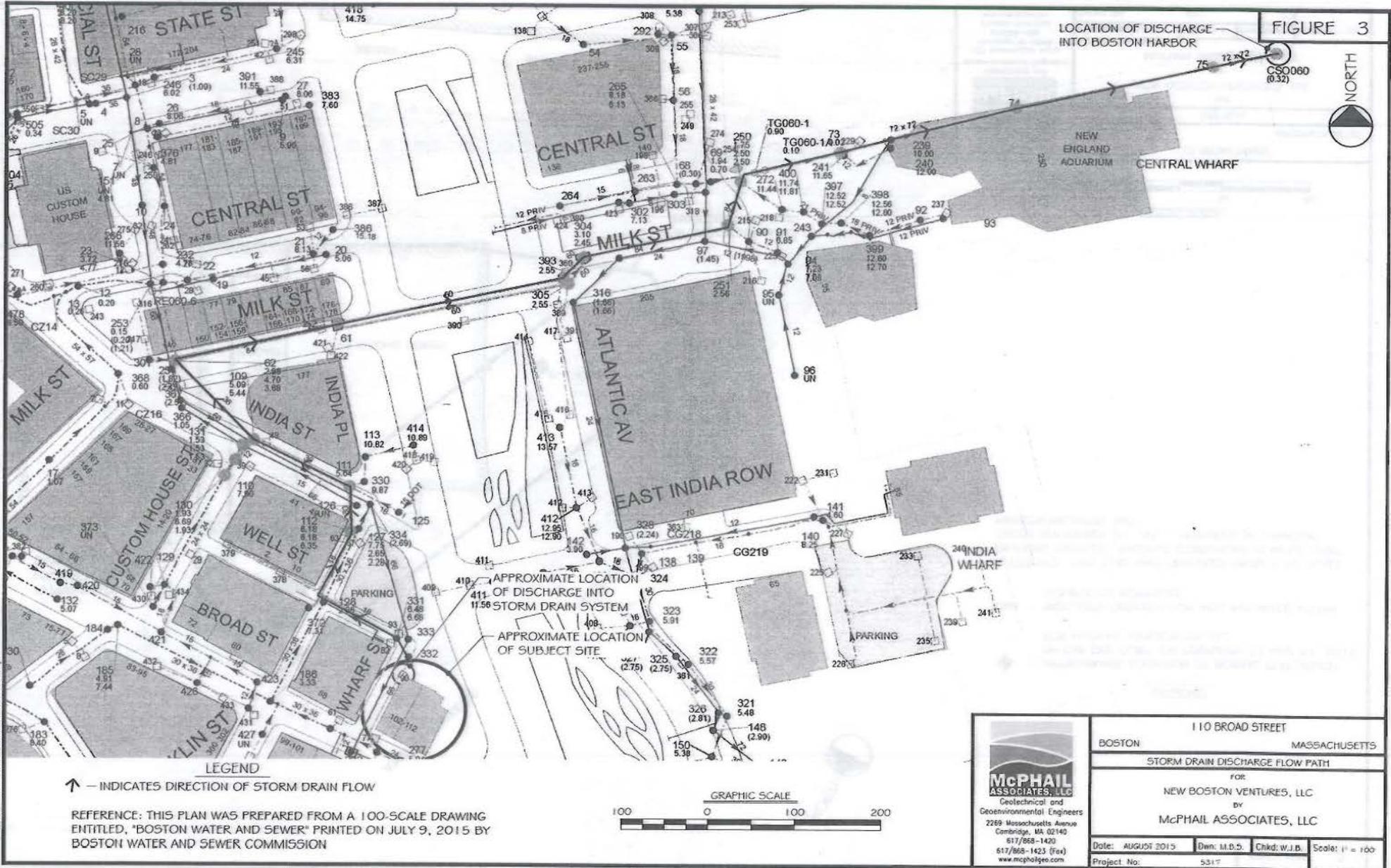


FIGURE 3

LOCATION OF DISCHARGE INTO BOSTON HARBOR



CS0060 (0.32)

APPROXIMATE LOCATION OF DISCHARGE INTO STORM DRAIN SYSTEM

APPROXIMATE LOCATION OF SUBJECT SITE

LEGEND

↑ — INDICATES DIRECTION OF STORM DRAIN FLOW

REFERENCE: THIS PLAN WAS PREPARED FROM A 100-SCALE DRAWING ENTITLED, "BOSTON WATER AND SEWER" PRINTED ON JULY 9, 2015 BY BOSTON WATER AND SEWER COMMISSION

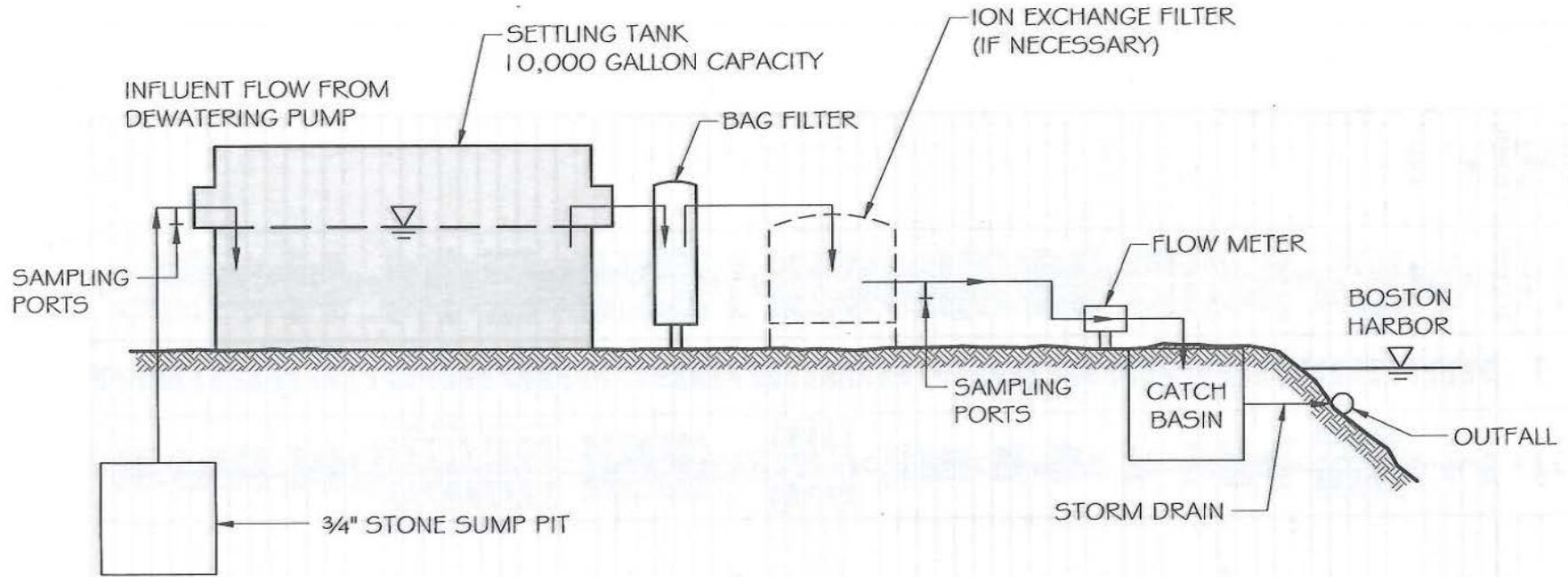


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110 BROAD STREET	
BOSTON	MASSACHUSETTS
STORM DRAIN DISCHARGE FLOW PATH	
FOR	
NEW BOSTON VENTURES, LLC	
BY	
McPHAIL ASSOCIATES, LLC	
Date: AUGUST 2015	Dwn: M.D.S. Chkd: W.J.B. Scale: 1" = 100'
Project No:	5317

FILE NAME: M:\CADD\080603\TDR\NS17.Plot.dwg

FIGURE 4



 <p>McPHAIL ASSOCIATES, LLC Geotechnical and Geoenvironmental Engineers 2269 Massachusetts Avenue Cambridge, MA 02140 617/868-1420 617/868-1423 (Fax) www.mcphailgeo.com</p>	110 BROAD STREET		
	BOSTON	MASSACHUSETTS	
	SCHEMATIC OF TREATMENT SYSTEM		
	FOR NEW BOSTON VENTURES, LLC BY McPHAIL ASSOCIATES, LLC CONSULTING GEOTECHNICAL ENGINEERS		
Date: AUGUST 2015	Dwn: M.B.S.	Chkd: W.J.B.	Scale: N.T.S.
Project No: 5317			

TABLE 1
 ANALYTICAL RESULTS - GROUNDWATER
 110 Broad Street
 Boston, MA
 Project No. 5317

LOCATION SAMPLING DATE LAB SAMPLE ID	RGP Effluent Limit	Units	B-1 (OW)	110 BROAD ST.
			7/28/2015	B-1 (OW)
			L1517590-01	L1522464-01
pH	6.5-8.5	mg/l	7.1	
Solids, Total Suspended	30	mg/l	34	59
Chlorine, Total Residual	0.0075	mg/l	ND(0.02)	
TPH	5	mg/l	ND(4)	
Cyanide, Total	0.001	mg/l	0.008	0.007
Benzene	Total BTEX	mg/l	ND(0.005)	
Toluene	Total BTEX	mg/l	ND(0.0075)	
Ethylbenzene	Total BTEX	mg/l	ND(0.005)	
p/m-Xylene	Total BTEX	mg/l	ND(0.01)	
o-Xylene	Total BTEX	mg/l	ND(0.01)	
Total BTEX	0.1	mg/l	ND	
1,2-Dibromoethane	0.00005	mg/l	ND(0.00001)	
Methyl tert butyl ether	0.07	mg/l	ND(0.01)	
Tert-Butyl Alcohol	Monitor	mg/l	ND(0.1)	
Tertiary-Amyl Methyl Ether	Monitor	mg/l	ND(0.02)	
Naphthalene	0.02	mg/l	ND(0.025)	
Carbon tetrachloride	0.0044	mg/l	ND(0.005)	
1,2-Dichlorobenzene	0.6	mg/l	ND(0.025)	
1,3-Dichlorobenzene	0.32	mg/l	ND(0.025)	
1,4-Dichlorobenzene	0.005	mg/l	ND(0.025)	
Total Dichlorobenzene		mg/l	ND	
1,1-Dichloroethane	0.07	mg/l	ND(0.0075)	
1,2-Dichloroethane	0.005	mg/l	ND(0.005)	
1,1-Dichloroethene	0.0032	mg/l	ND(0.005)	
cis-1,2-Dichloroethene	0.07	mg/l	ND(0.005)	
Methylene chloride	0.0046	mg/l	ND(0.03)	
Tetrachloroethene	0.005	mg/l	ND(0.005)	
1,1,1-Trichloroethane	0.2	mg/l	ND(0.005)	
1,1,2-Trichloroethane	0.005	mg/l	ND(0.0075)	
Trichloroethene	0.005	mg/l	ND(0.005)	
Vinyl chloride	0.002	mg/l	ND(0.01)	
Acetone	Monitor	mg/l	ND(0.05)	
1,4-Dioxane	Monitor	mg/l	ND(0.03)	
Phenolics, Total	0.3	mg/l	ND(0.03)	
Butyl benzyl phthalate	Total Phthalate	mg/l	ND(0.005)	
Di-n-butylphthalate	Total Phthalate	mg/l	ND(0.005)	
Di-n-octylphthalate	Total Phthalate	mg/l	ND(0.005)	
Diethyl phthalate	Total Phthalate	mg/l	ND(0.005)	
Dimethyl phthalate	Total Phthalate	mg/l	ND(0.005)	
Total Phthalates	0.003	mg/l	ND	
Bis(2-ethylhexyl)phthalate	0.006	mg/l	ND(0.003)	
Total Group I PAHs	0.01	mg/l	ND	
Benzo(a)anthracene	0.0000038	mg/l	ND(0.0002)	
Benzo(a)pyrene	0.0000038	mg/l	ND(0.0002)	
Benzo(b)fluoranthene	0.0000038	mg/l	ND(0.0002)	
Benzo(k)fluoranthene	0.0000038	mg/l	ND(0.0002)	
Chrysene	0.0000038	mg/l	ND(0.0002)	
Dibenzo(a,h)anthracene	0.0000038	mg/l	ND(0.0002)	
Indeno(1,2,3-cd)pyrene	0.0000038	mg/l	ND(0.0002)	
Total Group II PAHs	0.1	mg/l	0.00088	
Acenaphthene	Total Group II	mg/l	0.00014	
Acenaphthylene	Total Group II	mg/l	ND(0.0002)	
Anthracene	Total Group II	mg/l	ND(0.0002)	
Benzo(ghi)perylene	Total Group II	mg/l	ND(0.0002)	
Fluoranthene	Total Group II	mg/l	0.00023	
Fluorene	Total Group II	mg/l	ND(0.0002)	
Naphthalene	Total Group II	mg/l	0.00022	
Phenanthrene	Total Group II	mg/l	0.00029	
Pyrene	Total Group II	mg/l	ND(0.0002)	
Total PCBs	0.000064	mg/l	ND	
Chloride	Monitor	mg/l	2720	
Antimony, Total	0.0056	mg/l	ND(0.002)	
Arsenic, Total	0.036	mg/l	0.0044	
Cadmium, Total	0.0089	mg/l	ND(0.0002)	
Chromium, Total	0.1	mg/l	0.0022	
Chromium, Hexavalent	0.0503	mg/l	ND(0.01)	
Copper, Total	0.0037	mg/l	0.0029	
Lead, Total	0.0085	mg/l	0.0057	
Mercury, Total	0.0011	mg/l	ND(0.0002)	
Nickel, Total	0.0082	mg/l	ND(0.002)	
Selenium, Total	0.071	mg/l	ND(0.005)	
Silver, Total	0.0022	mg/l	ND(0.0004)	
Zinc, Total	0.0856	mg/l	ND(0.01)	
Iron, Total	1	mg/l	4.3	3.1

ND - not detected in excess of the laboratory method detection limits in ()
 Bold - exceeds RGP effluent limit
 Blank-not analyzed



APPENDIX A: INDICATIVE LIMITATIONS

The purpose of this report is to provide a preliminary assessment of the results of testing of groundwater quality. This report is intended to provide information to the client regarding the results of the testing and to provide a basis for the client to make decisions regarding the remediation of the site. The results of the testing are presented in the following sections of this report.

The data presented in this report were obtained from the monitoring wells installed at the site. The data were collected during the period of the investigation and are representative of the conditions at the time of collection. The data are presented in the following sections of this report.

The analytical results presented in this report are based on the data collected from the monitoring wells. The data were analyzed using the methods described in the following sections of this report. The results of the analysis are presented in the following sections of this report.

Laboratory analysis of the samples collected from the monitoring wells has been completed. The results of the analysis are presented in the following sections of this report. The data are presented in the following sections of this report.

The data and analytical results presented in this report are based on the data collected from the monitoring wells. The data were analyzed using the methods described in the following sections of this report. The results of the analysis are presented in the following sections of this report.



LIMITATIONS

The purpose of this report is to present a summary of environmental conditions, including the results of testing of groundwater samples obtained from a groundwater monitoring well on the property located at 110 Broad Street in Boston, Massachusetts in support of an application for approval of temporary construction dewatering discharge of groundwater into surface waters of the Commonwealth of Massachusetts under EPA's Massachusetts Dewatering General Permit MAG070000.

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 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 laboratory 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.

Laboratory analyses have been performed for specific constituents during the course of this assessment, as described in the text. However, it should be noted that additional 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 Boulevard Broad Street LLC. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, other than submission to relevant governmental agencies, nor used in whole or in part by any other party without the prior written consent of McPhail Associates, LLC.



APPENDIX B:

NOTICE OF INTENT TRANSMITTAL FORM

BOSTON WATER & SEWER DEWATERING DISCHARGE PERMIT APPLICATION

1. Project Name: 401 WYMAN STREET, 400' MAINTENANCE WAY 05432

2. Project Location: 401 WYMAN STREET, 400' MAINTENANCE WAY 05432

3. Project Description: REPAIR AND MAINTENANCE OF SEWER MAINS

4. Project Start Date: 01/15/2018

5. Project End Date: 03/31/2018

6. Project Manager: JOHN J. McPHAIL

7. Project Engineer: JOHN J. McPHAIL

8. Project Designer: JOHN J. McPHAIL

9. Project Contractor: JOHN J. McPHAIL

10. Project Subcontractor: JOHN J. McPHAIL

11. Project Consultant: JOHN J. McPHAIL

12. Project Sponsor: JOHN J. McPHAIL

13. Project Owner: JOHN J. McPHAIL

14. Project Stakeholder: JOHN J. McPHAIL

15. Project Contact: JOHN J. McPHAIL

16. Project Phone: JOHN J. McPHAIL

17. Project Email: JOHN J. McPHAIL

18. Project Website: JOHN J. McPHAIL

19. Project Address: JOHN J. McPHAIL

20. Project City: JOHN J. McPHAIL

21. Project State: JOHN J. McPHAIL

22. Project Zip: JOHN J. McPHAIL

23. Project County: JOHN J. McPHAIL

24. Project District: JOHN J. McPHAIL

25. Project Ward: JOHN J. McPHAIL

26. Project Precinct: JOHN J. McPHAIL

27. Project Census Tract: JOHN J. McPHAIL

28. Project Block: JOHN J. McPHAIL

29. Project Lot: JOHN J. McPHAIL

30. Project Parcel: JOHN J. McPHAIL

31. Project Zoning: JOHN J. McPHAIL

32. Project Land Use: JOHN J. McPHAIL

33. Project Environmental Impact: JOHN J. McPHAIL

34. Project Social Impact: JOHN J. McPHAIL

35. Project Economic Impact: JOHN J. McPHAIL

36. Project Cultural Impact: JOHN J. McPHAIL

37. Project Historical Impact: JOHN J. McPHAIL

38. Project Archaeological Impact: JOHN J. McPHAIL

39. Project Paleontological Impact: JOHN J. McPHAIL

40. Project Biological Impact: JOHN J. McPHAIL

41. Project Geological Impact: JOHN J. McPHAIL

42. Project Seismic Impact: JOHN J. McPHAIL

43. Project Air Quality Impact: JOHN J. McPHAIL

44. Project Noise Impact: JOHN J. McPHAIL

45. Project Light Impact: JOHN J. McPHAIL

46. Project Visual Impact: JOHN J. McPHAIL

47. Project Energy Impact: JOHN J. McPHAIL

48. Project Water Impact: JOHN J. McPHAIL

49. Project Soil Impact: JOHN J. McPHAIL

50. Project Sediment Impact: JOHN J. McPHAIL

51. Project Pollution Impact: JOHN J. McPHAIL

52. Project Hazardous Waste Impact: JOHN J. McPHAIL

53. Project Radioactive Impact: JOHN J. McPHAIL

54. Project Chemical Impact: JOHN J. McPHAIL

55. Project Biological Resource Impact: JOHN J. McPHAIL

56. Project Cultural Resource Impact: JOHN J. McPHAIL

57. Project Historical Resource Impact: JOHN J. McPHAIL

58. Project Archaeological Resource Impact: JOHN J. McPHAIL

59. Project Paleontological Resource Impact: JOHN J. McPHAIL

60. Project Biological Resource Impact: JOHN J. McPHAIL

61. Project Geological Resource Impact: JOHN J. McPHAIL

62. Project Seismic Resource Impact: JOHN J. McPHAIL

63. Project Air Quality Resource Impact: JOHN J. McPHAIL

64. Project Noise Resource Impact: JOHN J. McPHAIL

65. Project Light Resource Impact: JOHN J. McPHAIL

66. Project Visual Resource Impact: JOHN J. McPHAIL

67. Project Energy Resource Impact: JOHN J. McPHAIL

68. Project Water Resource Impact: JOHN J. McPHAIL

69. Project Soil Resource Impact: JOHN J. McPHAIL

70. Project Sediment Resource Impact: JOHN J. McPHAIL

71. Project Pollution Resource Impact: JOHN J. McPHAIL

72. Project Hazardous Waste Resource Impact: JOHN J. McPHAIL

73. Project Radioactive Resource Impact: JOHN J. McPHAIL

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99. Project Paleontological Resource Impact: JOHN J. McPHAIL

100. Project Biological Resource Impact: JOHN J. McPHAIL

If addressed properly in permit (2018) 100000

II. Suggested Notice of Intent (NOI) Format

1. General facility information. Please provide the following information about the facility.

a) Name of facility: 110 Broad Street		Mailing Address for the Facility: Boulevard Broad Street LLC 540 Tremont Street, Suite 8 Boston, MA 02116	
b) Location Address of the Facility (if different from mailing address): 110 Broad Street Boston, MA		Facility Location longitude: <u>-71.052079</u> latitude: <u>42.357410</u>	Type of Business: Construction Site Facility SIC codes:
c) Name of facility owner: <u>Boulevard Broad Street LLC</u>		Owner's email: <u>Dkanin@newbostonventures.com</u>	
Owner's Tel #: <u>(617) 542-4644</u>		Owner's Fax #: <u>(617) 542-4646</u>	
Address of owner (if different from facility address) Same as mailing address			
Owner is (check one): 1. Federal <input type="checkbox"/> 2. State <input type="checkbox"/> 3. Private <input checked="" type="checkbox"/> 4. Other <input type="checkbox"/> (Describe) _____			
Legal name of Operator, if not owner: <u>Commodore-Walsh Broad Street LLC</u>			
Operator Contact Name: <u>Ed Corey</u>			
Operator Tel Number: <u>(617) 614-3500</u>		Fax Number: _____	
Operator's email: <u>ECorey@commodorebuilders.com</u>			
Operator Address (if different from owner) 404 Wyman Street, Suite 400; Waltham, MA 02451			
d) Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? <input checked="" type="checkbox"/>			
e) Check Yes or No for the following:			
1. Has a prior NPDES permit been granted for the discharge? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, Permit Number: _____			
2. Is the discharge a "new discharger" as defined by 40 CFR Section 122.2? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
3. Is the facility covered by an individual NPDES permit? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, Permit Number _____			
4. Is there a pending application on file with EPA for this discharge? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, date of submittal: _____			

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed)

a) Name of receiving water into which discharge will occur: Boston Harbor
State Water Quality Classification: Class SB Freshwater: No Marine Water: Yes

b) Describe the discharge activities for which the owner/applicant is seeking coverage:
✓ 1. Construction dewatering of groundwater intrusion and/or storm water accumulation.
2. Short-term or long-term dewatering of foundation sumps.
3. Other.

c) Number of outfalls 1

For each outfall:

d) Estimate the maximum daily and average monthly flow of the discharge (in gallons per day – GPD). Max Daily Flow 144,000 GPD
Average Monthly Flow 108,000 GPD

e.) What is the maximum and minimum monthly pH of the discharge (in s.u.)? Max pH 8.5 Min pH 6.5

f.) Identify the source of the discharge (i.e. potable water, surface water, or groundwater). If groundwater, the facility shall submit effluent test results, as required in Section 4.4.5 of the General Permit. Groundwater (see attached report)

g.) What treatment does the wastewater receive prior to discharge? See attached report.

h.) Is the discharge continuous? Yes _____ No If no, is the discharge periodic (P) (occurs regularly, i.e., monthly or seasonally, but is not continuous all year) or intermittent (I) (occurs sometimes but not regularly) or both (B) SB
If (P), number of days or months per year of the discharge _____ and the specific months of discharge _____;
If (I), number of days/year there is a discharge 3 to 5 days per week
Is the discharge temporary? Yes No _____
If yes, approximate start date of dewatering January 2017 approximate end date of dewatering January 2019

i.) Latitude and longitude of each discharge within 100 feet (See http://www.epa.gov/tri/report/siting_tool): Outfall 1: long. -71.048058 lat. 42.359535; Outfall 2: long. _____ lat. _____; Outfall 3: long. _____ lat. _____.

j.) If the source of the discharge is potable water, please provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water and attach any calculation sheets used to support stream flow and dilution calculations _____ cfs
(See Appendix VIII for equations and additional information)

MASSACHUSETTS FACILITIES: See Section 3.4 and Appendix 1 of the General Permit for more information on Areas of Critical Environmental Concern (ACEC):

- k.) Does the discharge occur in an ACEC? Yes _____ No
 If yes, provide the name of the ACEC: _____

3. Contaminant Information

- a) Are any pH neutralization and/or dechlorination chemicals used in the discharge? If so, include the chemical name and manufacturer; maximum and average daily quantity used as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC₅₀ in percent for aquatic organism(s)). No.
 b) Please report any known remediation activities or water-quality issues in the vicinity of the discharge.

4. Determination of Endangered Species Act Eligibility: Provide documentation of ESA eligibility as required at Part 3.4 and Appendix IV. In addition, respond to the following questions.

- a) Which of the three eligibility criteria listed in Appendix IV, Criterion (A, B, or C) have you met? C
 b) Please attach documentation with your NOI supporting your response. Please see Appendix IV for acceptable documentation

5. Documentation of National Historic Preservation Act requirements: Please respond to the following questions:

- a) See Screening Process in Appendix III and respond to questions regarding your site and any historic properties listed or eligible for listing on the National Register of Historic Places. Question 1: Yes _____ No ; Question 2: No Yes _____ See attached report.
 b) Have any State or Tribal historic preservation officers been consulted in this determination? Yes _____ or No If yes, attach the results of the consultation(s).
 c) Which of the three National Historic Preservation Act eligibility criterion listed in Appendix III, Criterion (A, B, or C) have you met? B
 d) Is the project located on property of religious or cultural significance to an Indian Tribe? Yes _____ or No If yes, provide that name of the Indian Tribe associated with the property. _____

6. 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

7. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22 (see below) including the following certification:

I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the dewatering system; (2) the discharge consists solely of dewatering and authorized pH adjustment and/or dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product or finished product; (4) if the discharge of dewatering subsequently mixes with other permitted wastewater (i.e. stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for dewatering discharge; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) 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 Name: 110 Broad Street

Operator signature:



Print Full Name and Title: Christopher J. Sharky, Vice President

Date:

1.4.17

Federal regulations require this application to be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.

