



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

**46-88 WAREHAM STREET -
BOSTON, MASSACHUSETTS -**

JANUARY 12, 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: -
Allied Residences, LLC -
120 Water Street -
Boston, MA 02109 -

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

PROJECT NO. 5948



January 12, 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: 46-88 Wareham Street; Cambridge, 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 by the US EPA, 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 the South Bay portion of Boston Harbor via the City of Boston storm drain system. The temporary discharge of construction dewatering will occur during redevelopment of the 46-88 Wareham 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 November 29, 2016, and the subsequent authorization of Allied Residences, LLC. These services are subject to the limitations contained in **Appendix A**.

The applicable DGP Notice of Intent (NOI) Form and the Boston Water and Sewer Commission's (BWSC) Dewatering Discharge Permit Application are included in **Appendix B**.

Applicant/Operator

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

Allied Residences, LLC
120 Water Street
Boston, MA 02109

Attention: Mr. Andrew Castraberti (Project Manager)
Email: acastraberti@cressetgroup.com
Mr. William Curtis
Email: bcurtis@cressetgroup.com

Tel: (617) 624-9100



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46-88 Wareham Street
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Existing Conditions

Fronting onto Wareham Street to the southwest, the approximate 31,000 square-foot project site is bounded by the property identified as 30 Wareham Street to the northwest, and a 5-story brick building to the southeast. The northwestern portion of the site is currently improved by a 3.5-story rectangular brick building which occupies an approximate 7,457 square-foot plan area. The remaining portions of the site consist of asphalt surfaces (parking lots).

The ground surface across the project site is relatively level and varies from about Elevation +16.7 to Elevation +17.7.

Proposed Scope of Site Development

The proposed redevelopment of the 46 Wareham Street portion of the project site includes the demolition of the existing building and the construction of a new six-story building that will occupy an approximate 15,400 square-foot plan area. The new building will extend one level below grade and will be situated at about Elevation +8.5.

The proposed development of the 88 Wareham Street portion of the site includes the construction of a six-story building with one below-grade parking level which will occupy an approximate 5,000 square-foot plan area. The lowest level slab will extend to a depth of approximately 10 to 11 feet below ground surface (approximately at Elevation +7).

The approximate location of the subject site is indicated on **Figure 2**.

Site Environmental Setting, Review of MA DEP-listed Disposal Sites, Endangered Species and Surrounding Historical Places

Based on an on-line edition of the Massachusetts Geographic Information Systems MassDEP Phase I Site Assessment Map (GIS Map) viewed on December 22, 2016 the subject site is not located within the boundaries of a Sole Source Aquifer, Potentially Productive Aquifer or within a Zone II, is not located within a 100 year flood plain, nor Interim Wellhead Protection Area as defined by the Massachusetts Department of Environmental Protection (MA DEP). Further, there are no public drinking water supply wells, no Areas of Critical Environmental Concern, no fish habitats, no habitats of Species of Special Concern or Threatened or Endangered Species within specified distances of the subject site.

The GIS Map indicates that there are no water bodies or wetland areas at the subject site. The nearest water body is the South Bay portion of Boston Harbor and is located approximately 0.4 miles northeast of the subject site. No areas designated as solid waste sites (landfills) are noted as being located within 1,000 feet of the site. According to the GIS Map, the nearest protected open space is located about 1,000 to the north of the project site. A copy of the GIS Map is included in **Appendix C**.



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Based on our review, the project site is not listed on the MA DEP on-line data base of listed DEP release sites.

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 the subject site did not identify the presence of endangered species at or in the vicinity of the discharge location and/or discharge outfall. Further, the IPaC Report did not identify the presence of a critical habitat in the vicinity of the discharge location and/or discharge outfall. However, the report indicated that the Red Knot bird, which is classified as a "threatened" species, should be considered with regard to this project. Based on the activities associated with the off-site discharge of groundwater from the project site via the storm drain system and into the South Bay portion of Boston Harbor there will be "no affect" to the Red Knot bird. Based upon the above, the site is considered a Criterion C pursuant to Appendix IV of the DGP. A copy of the IPaC Report is included in **Appendix C**.

A review of the most recent National Register of Historical Places for Suffolk County in Boston, Massachusetts did not identify records or addresses of historic places that exist in the immediate vicinity of the subject site or the outfall location.

Construction Site Dewatering

Stabilized groundwater levels observed within the groundwater monitoring wells installed at the site ranged from about Elevation +6.3 to Elevation +6.4. It is anticipated that excavation for the lowest level floor slabs and depressed portions within the lowest level floor slab, such as elevator pits and pile caps, will extend up to about 4 to 5 feet below the observed groundwater level. In order to facilitate construction of the basement levels, a sheet pile cofferdam will be installed around the applicable portions of the site for the purpose of providing support of the excavations and to provide an effective groundwater cut-off during construction which is anticipated to mitigate the volume of construction dewatering effluent. Thus, construction dewatering will be from within the footprint of the cofferdam excavations to facilitate construction of the proposed basement levels.

It is anticipated that construction dewatering discharge during removal of the fill and organic soils will initially be on the order about 75 to 100 gallons per minute (gpm). However, once the excavation has been dewatered to the proposed subgrade elevation it is anticipated that rate of construction dewatering will decrease to approximately 25 to 50 gallons per minute as a result of the groundwater cut-off. These estimates do not include surface run-off which will be removed from the excavation during and following precipitation events.

Given that the area of the foundation occupies a majority 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.



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A review of stormwater and sewer plans provided by the Boston Water and Sewer Commission (BWSC) indicates catch basins adjacent to the site located within Wareham Street flow to a dedicated storm drain. The storm drain system ultimately discharges at outfall location identified as CS0070 and into Boston Harbor. The location of the discharge locations in relation to the subject site are indicated on **Figure 2**. The flow path of the discharge is shown on **Figure 3**. The outfall location is shown on **Figure 4**.

Summary of Groundwater Analysis

On December 13, 2016 a groundwater sample was obtained from monitoring well B-202(OW) that was installed at the subject site as part of our geotechnical related assessment of the site for foundation design recommendations. The purpose of the groundwater sample was to characterize the groundwater for off-site discharge in anticipation of construction dewatering activities.

The sample was submitted for chemical testing for the applicable Remediation Groundwater Permit (RGP) parameters which included chemical testing for presence of volatile organic compounds (VOC), Total Petroleum hydrocarbons (TPH), semivolatile organic compounds (SVOC), RGP Total Metals, polychlorinated biphenyls (PCBs), pH, Hexavalent Chromium (Hex-Cr), Total Suspended Solids (TSS), Total Residual Chlorine, Total Phenolics, Total Cyanide and Microextractables.

The results of the laboratory analysis did not detect the presence of the constituents tested for at concentrations in excess of the applicable RGP effluent limits or in excess of the applicable Massachusetts Department of Environmental Protection (MA DEP) RCGW-2 reporting standards. Furthermore, the results of the chemical testing for the presence of VOCs, SVOCs, PCBs, Hex-Cr, TSS, Total Residual Chlorine, Total Phenolics, Total Cyanide and Microextractable were not detected above the laboratory detection limits. A summary of the chemical test results is provided in **Table 1** and chemical test data is included in **Appendix D**.

Groundwater Treatment

Based on the results of the above referenced groundwater analyses, it is recommended that that a 5,000-gallon capacity settling tank and bag filter in series be utilized to settle out suspended particulates in the discharge during construction dewatering to meet applicable effluent limits established by the US EPA prior to off-site discharge. A schematic of the treatment system is shown on **Figure 5**.



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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 (DGP) for off-site discharge of dewatered groundwater which will be encountered during redevelopment of the project site located at 46-88 Wareham Street in Boston, Massachusetts.

Based on the results of the above referenced groundwater analyses, it is recommended that treatment of construction dewatering will be utilized which consists of one 5,000-gallon capacity settling tank and bag filters in series to meet the applicable discharge limits of TSS. However, should the effluent monitoring results indicate levels of TSS in excess of the limits established in the Massachusetts DGP, additional mitigative measures will be implemented to meet the allowable discharge limits.

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, LLC

A handwritten signature in blue ink that reads "Harry J. Berlis".

Harry J. Berlis

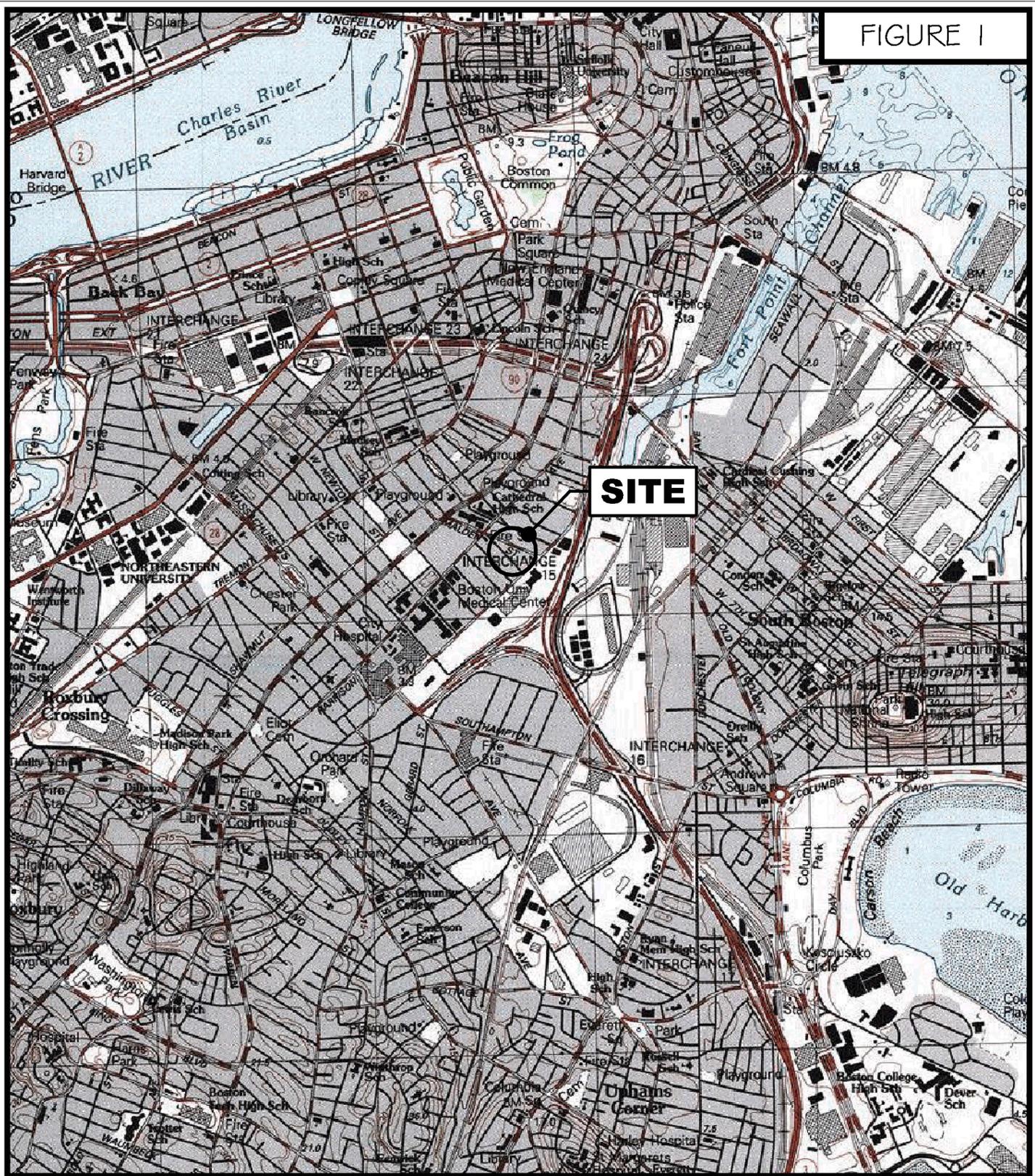
A handwritten signature in blue ink that reads "Chris M. Erikson".

Chris M. Erikson, P.E.

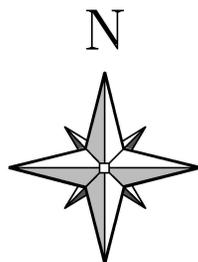
HJB/cme

N:\Working Documents\Reports\5948_DGP_011217.docx

FIGURE I



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 Geoenvironmental Engineers
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SCALE 1:25,000

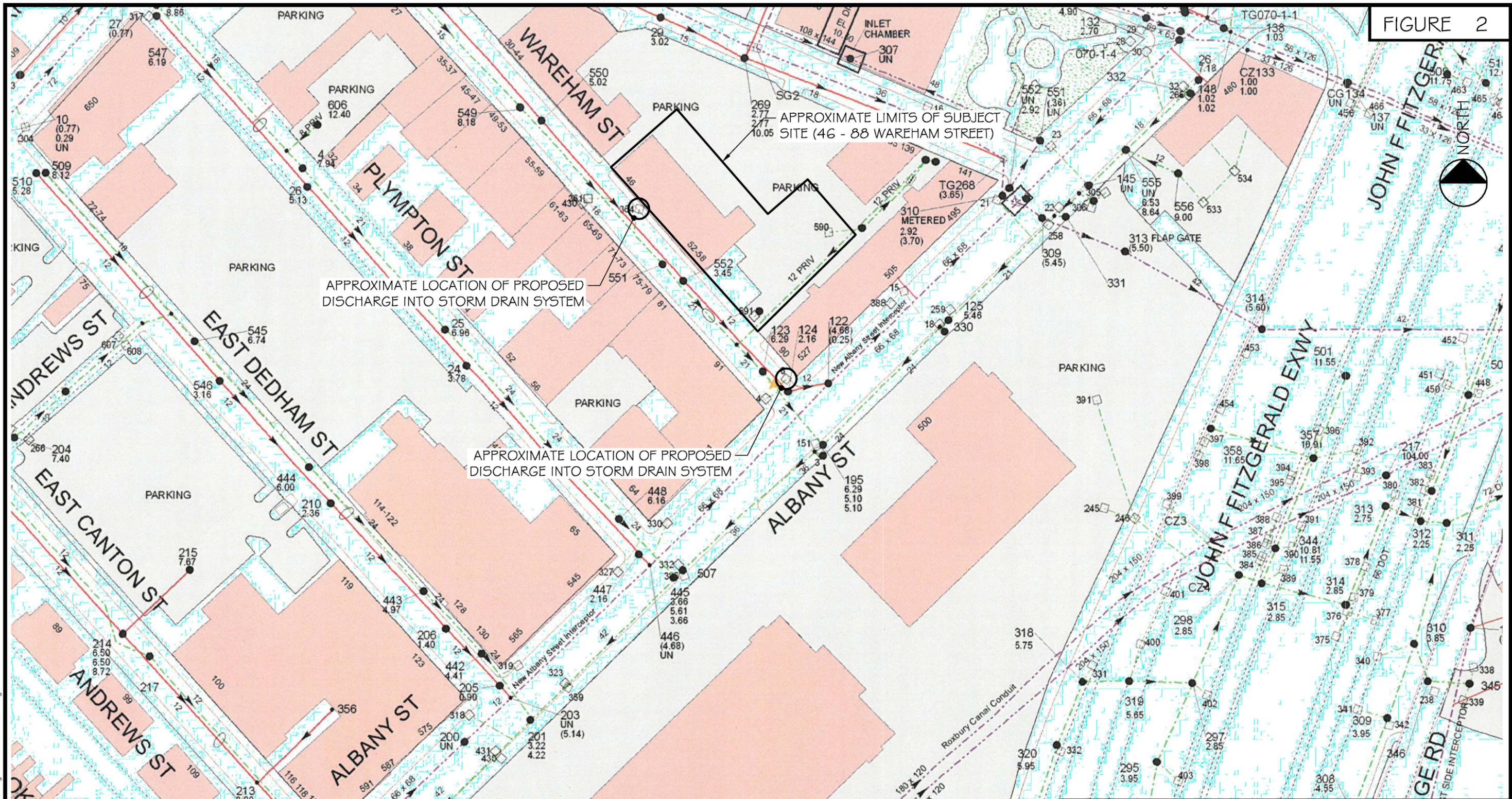
PROJECT LOCATION PLAN

46 - 88 WAREHAM STREET

BOSTON

MASSACHUSETTS

FIGURE 2



FILE NAME: N:\Acad\LOB\51594\Dev\watering Permits\5948-F02.dwg

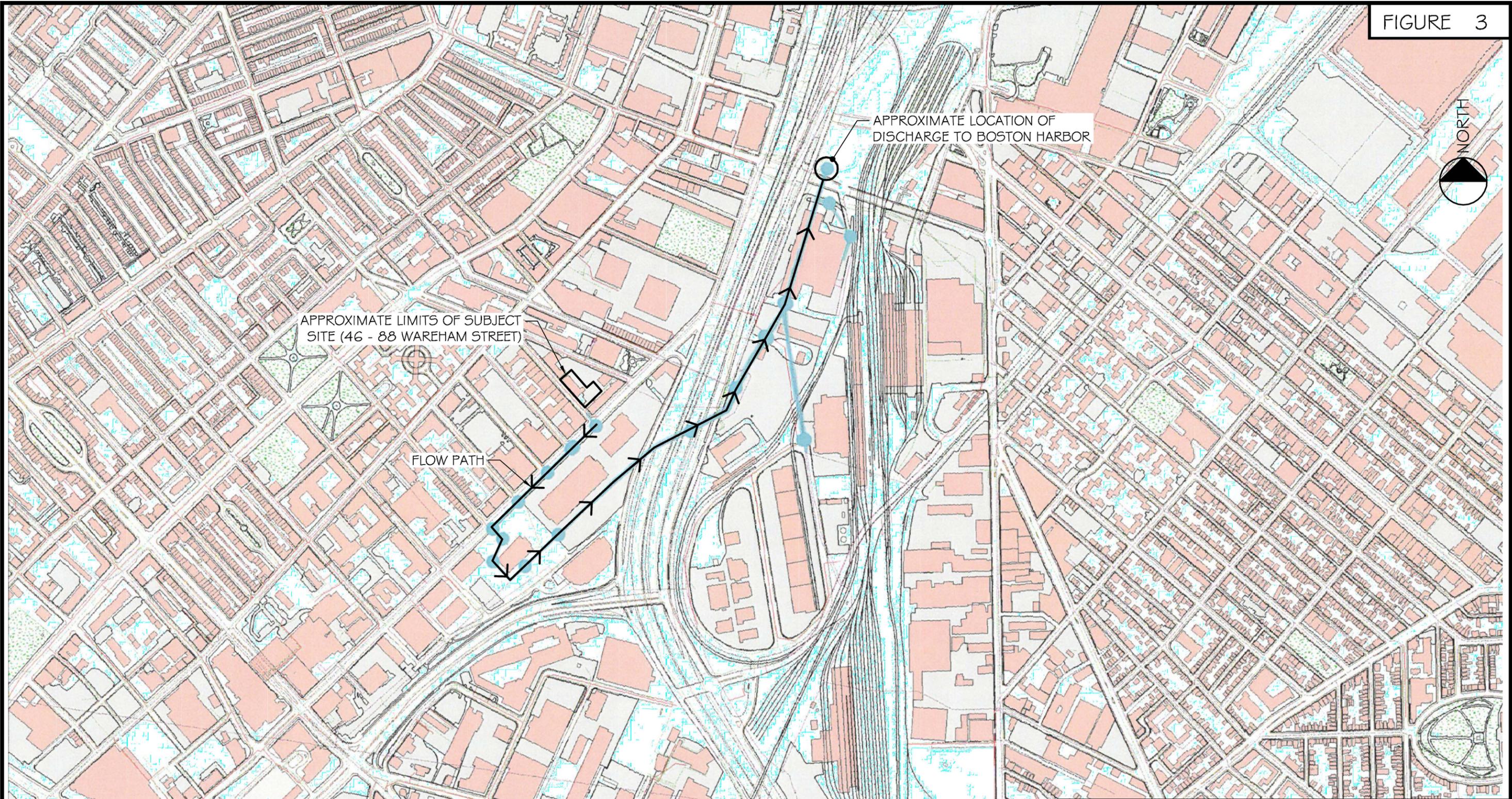
REFERENCE: THIS PLAN WAS PREPARED FROM A 100-SCALE DRAWING DATED DECEMBER 9, 2016 PROVIDED ELECTRONICALLY FROM BOSTON WATER AND SEWER



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46 - 88 WAREHAM STREET			
BOSTON		MASSACHUSETTS	
SITE AND DISCHARGE LOCATION PLAN			
FOR			
ALLIED RESIDENCES, LLC			
BY			
McPHAIL ASSOCIATES, LLC			
Date: JANUARY 2017	Dwn: M.B.S.	Chkd: H.J.B.	Scale: 1" = 100'
Project No:	5948		

FIGURE 3



APPROXIMATE LIMITS OF SUBJECT SITE (46 - 88 WAREHAM STREET)

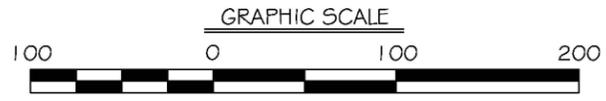
FLOW PATH

APPROXIMATE LOCATION OF DISCHARGE TO BOSTON HARBOR



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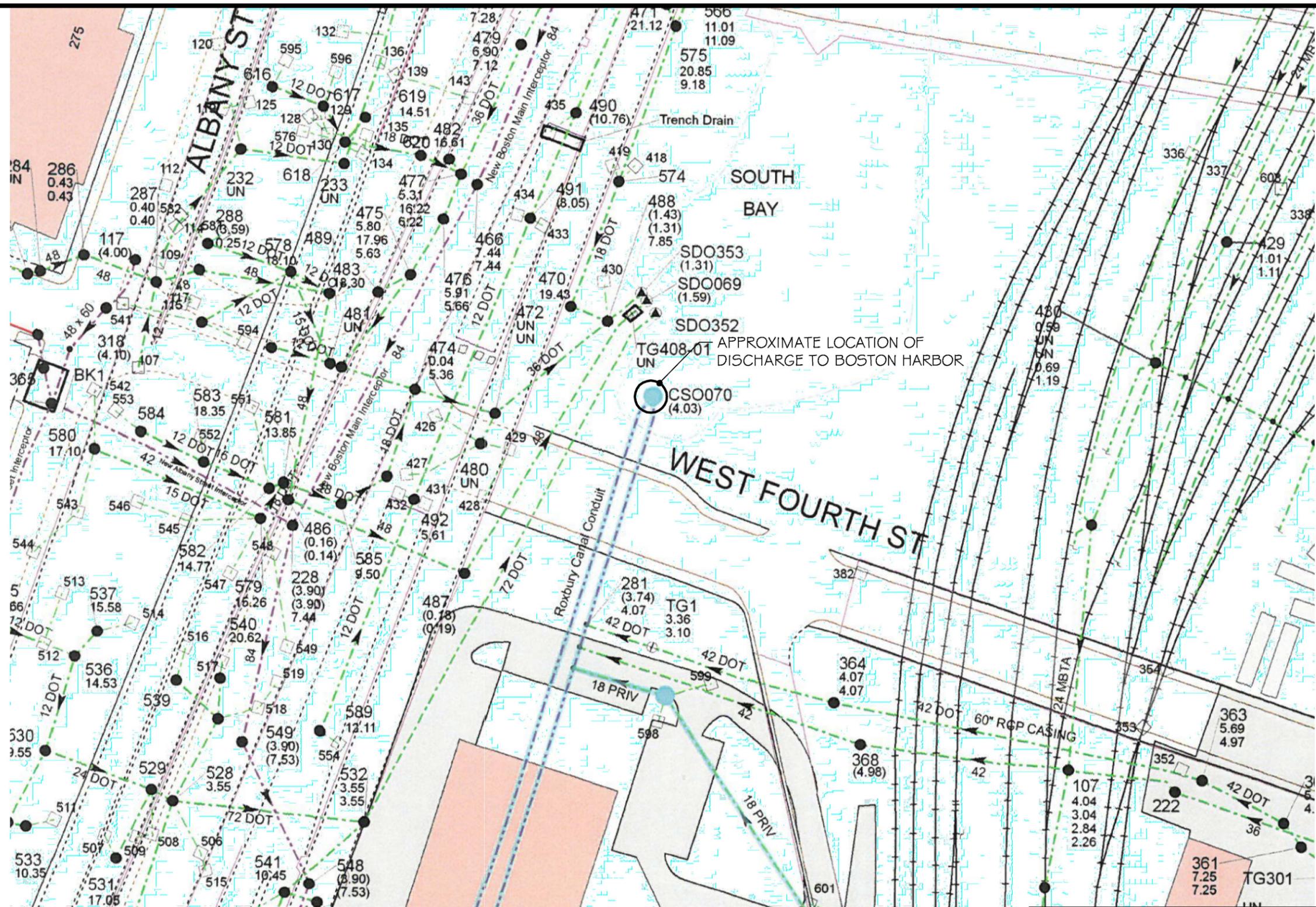
REFERENCE: THIS PLAN WAS PREPARED FROM A 100-SCALE DRAWING DATED DECEMBER 9, 2016 PROVIDED ELECTRONICALLY FROM BOSTON WATER AND SEWER



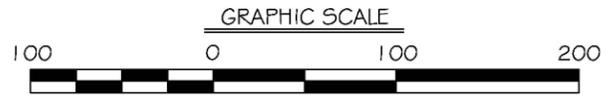
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46 - 88 WAREHAM STREET		BOSTON		MASSACHUSETTS	
FLOW PATH PLAN					
FOR					
ALLIED RESIDENCES, LLC					
BY					
McPHAIL ASSOCIATES, LLC					
Date: JANUARY 2017	Dwn: M.B.S.	Chkd: H.J.B.	Scale: 1" = 100'		
Project No: 5948					

FIGURE 4



REFERENCE: THIS PLAN WAS PREPARED FROM A 100-SCALE DRAWING DATED DECEMBER 9, 2016 PROVIDED ELECTRONICALLY FROM BOSTON WATER AND SEWER

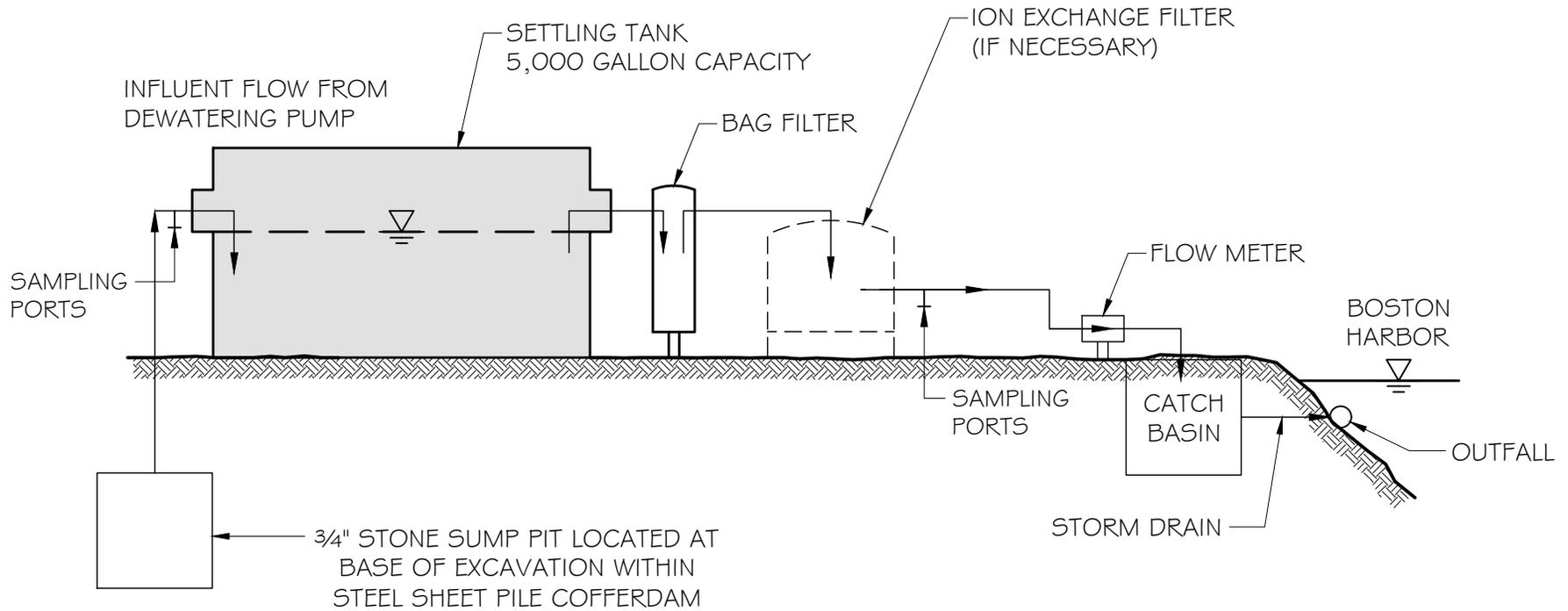


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46 - 88 WAREHAM STREET	
BOSTON	MASSACHUSETTS
DISCHARGE LOCATION PLAN	
FOR	
ALLIED RESIDENCES, LLC	
BY	
McPHAIL ASSOCIATES, LLC	
Date: JANUARY 2017	Dwn: M.B.S. Chkd: H.J.B.
Project No: 5948	Scale: 1" = 100'

FIGURE 5



 <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>	46 - 88 WAREHAM STREET	
	BOSTON	MASSACHUSETTS
	SCHEMATIC OF TREATMENT SYSTEM	
	FOR ALLIED RESIDENCES, LLC BY McPHAIL ASSOCIATES, LLC CONSULTING GEOTECHNICAL ENGINEERS	
Date: JANUARY 2017	Dwn: M.B.S.	Chkd: H.J.B.
Project No: 5948	Scale: N.T.S.	

Summary Table
 Chemical Testing Groundwater
 46-88 Wareham Street
 Boston, MA
 Project No.: 5948

TABLE 1

LOCATION				B-202 121316
SAMPLING DATE				12/13/2016
LAB SAMPLE ID				L1640469-01
SAMPLE TYPE				Groundwater
	MC DEP RCGW-2 Standards	RGP Effluent Limits	Units	
pH		6.5-8.5		7.2
Anions by Ion Chromatography				
Chloride		Monitor	mg/l	119
General Chemistry				
Solids, Total Suspended		30	mg/l	ND(2.5)
Chlorine, Total Residual		0.0075	mg/l	ND(0.01)
TPH, SGT-HEM	5	5	mg/l	ND(2)
Total Phenolics		0.3	mg/l	ND(0.015)
MCP General Chemistry				
Cyanide, Total	0.03	0.001	mg/l	ND(0.0025)
Chromium, Hexavalent	0.3	0.0503	mg/l	ND(0.005)
MCP Polychlorinated Biphenyls				
Aroclor 1016	0.005		mg/l	ND(0.000125)
Aroclor 1221	0.005		mg/l	ND(0.000125)
Aroclor 1232	0.005		mg/l	ND(0.000125)
Aroclor 1242	0.005		mg/l	ND(0.000125)
Aroclor 1248	0.005		mg/l	ND(0.000125)
Aroclor 1254	0.005		mg/l	ND(0.000125)
Aroclor 1260	0.005		mg/l	ND(0.000125)
Aroclor 1262	0.005		mg/l	ND(0.000125)
Aroclor 1268	0.005		mg/l	ND(0.000125)
PCBs, Total	0.005	0.000064	mg/l	ND
MCP Semivolatile Organics				
1,2-Dichlorobenzene	2	0.6	mg/l	ND(0.001)
1,3-Dichlorobenzene	6	0.32	mg/l	ND(0.001)
1,4-Dichlorobenzene	0.06	0.005	mg/l	ND(0.001)
Bis(2-ethylhexyl)phthalate	50	0.006	mg/l	ND(0.0015)
<i>TOTAL Phthalates</i>				
Butyl benzyl phthalate	10	Total Phthalates	mg/l	ND(0.0025)
Di-n-butylphthalate	5	Total Phthalates	mg/l	ND(0.0025)
Di-n-octylphthalate	100	Total Phthalates	mg/l	ND(0.0025)
Diethyl phthalate	9	Total Phthalates	mg/l	ND(0.0025)
Dimethyl phthalate	50	Total Phthalates	mg/l	ND(0.0025)
<i>TOTAL Phthalates</i>				
		0.003		ND
TOTAL SVOCs				
				ND
MCP Semivolatile Organics by SIM				
Naphthalene	0.7	0.02	mg/l	ND(0.0001)
<i>Total Group I PAHs</i>				
Benzo(a)anthracene	1	0.0000038	mg/l	ND(0.0001)
Benzo(a)pyrene	0.5	0.0000038	mg/l	ND(0.0001)
Benzo(b)fluoranthene	0.4	0.0000038	mg/l	ND(0.0001)
Benzo(k)fluoranthene	0.1	0.0000038	mg/l	ND(0.0001)
Chrysene	0.07	0.0000038	mg/l	ND(0.0001)
Dibenzo(a,h)anthracene	0.04	0.0000038	mg/l	ND(0.0001)
Indeno(1,2,3-cd)pyrene	0.1	0.0000038	mg/l	ND(0.0001)
<i>Total Group I PAHs</i>				
		0.01		ND
<i>Total Group II PAHs</i>				
Acenaphthene	10		mg/l	ND(0.0001)
Acenaphthylene	0.04	Total Group II	mg/l	ND(0.0001)
Anthracene	0.03	Total Group II	mg/l	ND(0.0001)
Benzo(ghi)perylene	0.02	Total Group II	mg/l	ND(0.0001)
Fluorene	0.04	Total Group II	mg/l	ND(0.0001)
Fluoranthene	0.2	Total Group II	mg/l	ND(0.0001)
Naphthalene	0.7	Total Group II	mg/l	ND(0.0001)
Phenanthrene	10	Total Group II	mg/l	ND(0.0001)
Pyrene	0.02	Total Group II	mg/l	ND(0.0001)
<i>Total Group II PAHs</i>				
		0.1		ND
TOAL SVOCs by SIM				
				ND
MCP Total Metals				
Antimony, Total	8	0.0056	mg/l	ND(0.002)
Arsenic, Total	0.9	0.036	mg/l	ND(0.00025)
Cadmium, Total	0.004	0.0089	mg/l	ND(0.00025)
Chromium, Total	0.3	0.1	mg/l	ND(0.0005)
Copper, Total	100	0.0037	mg/l	0.0017
Iron, Total		1	mg/l	0.08
Lead, Total	0.01	0.0085	mg/l	ND(0.00025)
Mercury, Total	0.02	0.0011	mg/l	ND(0.0001)
Nickel, Total	0.2	0.0082	mg/l	ND(0.001)
Selenium, Total	0.1	0.071	mg/l	ND(0.0025)
Silver, Total	0.007	0.0022	mg/l	ND(0.00025)
Zinc, Total	0.9	0.0856	mg/l	ND(0.005)
MCP Volatile Organics				
Methylene chloride	2	0.0046	mg/l	ND(0.001)
1,1-Dichloroethane	2	0.07	mg/l	ND(0.0005)
Carbon tetrachloride	0.002	0.0044	mg/l	ND(0.0005)
1,1,2-Trichloroethane	0.9	0.005	mg/l	ND(0.0005)
Tetrachloroethene	0.05	0.005	mg/l	ND(0.0005)
1,2-Dichloroethane	0.005	0.005	mg/l	ND(0.0005)
1,1,1-Trichloroethane	4	0.2	mg/l	ND(0.0005)
Vinyl chloride	0.002	0.002	mg/l	ND(0.0005)
Trichloroethene	0.005	0.005	mg/l	ND(0.0005)
Methyl tert butyl ether	5	0.07	mg/l	ND(0.001)
cis-1,2-Dichloroethene	0.02	0.07	mg/l	ND(0.0005)
Acetone	50	Monitor	mg/l	ND(0.0025)
1,2-Dibromoethane	0.002	0.00005	mg/l	ND(0.001)
Naphthalene	0.7	0.02	mg/l	ND(0.001)
Ethyl-Tert-Butyl-Ether		Monitor	mg/l	ND(0.001)
Tertiary-Amyl Methyl Ether		Monitor	mg/l	ND(0.001)
TOAL VOCs				
				ND
BTEX				
Benzene	1	Total BTEX	mg/l	ND(0.00025)
Toluene	40	Total BTEX	mg/l	ND(0.0005)
Ethylbenzene	5	Total BTEX	mg/l	ND(0.0005)
p/m-Xylene	3	Total BTEX	mg/l	ND(0.001)
o-Xylene	3	Total BTEX	mg/l	ND(0.0005)
TOTAL BTEX				
		0.1		ND
MCP Volatile Organics by SIM				
1,4-Dioxane	6	Monitor	mg/l	ND(0.0015)
TOTAL VOCs by SIM				
				ND
Microextractables by GC				
1,2-Dibromoethane	0.002		mg/l	ND(0.000005)
1,2-Dibromo-3-chloropropane	1		mg/l	ND(0.000005)
TOTAL Microextractables by GC				
				ND

ND(0.005): Not detected above lab detection limit, with 1/2 detection limit indicated in ().



**APPENDIX A:
LIMITATIONS**



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 46-88 Wareham Street in Cambridge, 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 Allied Residences, 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 FORMS

NPDES DEWATERING GENERAL PERMIT

AND

CITY OF BOSTON

II. Suggested Notice of Intent (NOI) Format

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

a) Name of facility: 46-88 Wareham Street		Mailing Address for the Facility: Allied Residences,LLC 120 Water Street Boston, MA 02109	
b) Location Address of the Facility (if different from mailing address): 46-88 Wareham Street Boston, MA		Facility Location longitude: <u>71.066725</u> latitude: <u>42.338980</u>	Type of Business: Construction Site Facility SIC codes:
c) Name of facility owner: <u>Allied Residences, LLC</u>		Owner's email: <u>acastraberfi@cresselgroup.com</u>	
Owner's Tel #: <u>(617) 624-9100</u>		Owner's Fax #: <u>(617) 624-9138</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>TOCCI Builders</u>			
Operator Contact Name: <u>John Adams</u>			
Operator Tel Number: <u>781-460-4334</u>		Fax Number: <u>(781) 935-1888</u>	
Operator's email: <u>jadams@tocci.com</u>			
Operator Address (if different from owner) 660 Main Street; Woburn, MA 01801			
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) B
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 February 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. -71.060869 lat. 42.342916; 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:	46-88 Wareham Street Boston, MA
Operator signature:	<i>John Adams</i>
Print Full Name and Title:	JOHN ADAMS, PROJECT SUPERINTENDENT
Date:	1/12/17

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.