

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

1. General site information. Please provide the following information about the site:

a) Name of facility/site :		Facility/site address:		
Location of facility/site : longitude: _____ latitude: _____	Facility SIC code(s):	Street:		
b) Name of facility/site owner :		Town:		
Email address of owner:		State:	Zip:	County:
Telephone no. of facility/site owner :				
Fax no. of facility/site owner :		Owner is (check one): 1. Federal _____ 2. State/Tribal _____ 3. Private _____ 4. other, if so, describe:		
Address of owner (if different from site):				
Street:				
Town:	State:	Zip:	County:	
c) Legal name of operator :	Operator telephone no:			
	Operator fax no.:		Operator email:	
Operator contact name and title:				

Address of operator (if different from owner):		Street:	
Town:	State:	Zip:	County:
d) Check “yes” or “no” for the following: 1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No___, if “yes,” number: 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No___, if “yes,” date and tracking #: 3. Is the discharge a “new discharge” as defined by 40 CFR 122.2? Yes___ No___ 4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes___ No___			
e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No___ If “yes,” 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 storm water general permit? Y___ N___, if Y, number: 2. phase I or II construction storm water general permit? Y___ N___, if Y, number: 3. individual NPDES permit? Y___ N___, if Y, number: 4. any other water quality related permit? Y___ N___, if Y, number:	

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

a) Describe the discharge activities for which the owner/applicant is seeking coverage:		
b) Provide the following information about each discharge:	1) Number of discharge points:	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft ³ /s)? Max. flow_____ Average flow_____ Is maximum flow a design value ? Y___ N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.
3) Latitude and longitude of each discharge within 100 feet: pt.1:long._____ lat._____; pt.2: long._____ lat._____; pt.3: long._____ lat._____; pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____; etc.		

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent _____ or seasonal _____? Is discharge ongoing Yes _____ No _____?
c) Expected dates of discharge (mm/dd/yy): start _____ end _____	
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).	

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids										
2. Total Residual Chlorine										
3. Total Petroleum Hydrocarbons										
4. Cyanide										
5. Benzene										
6. Toluene										
7. Ethylbenzene										
8. (m,p,o) Xylenes										
9. Total BTEX ⁴										

⁴BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)										
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)										
14. Naphthalene										
15. Carbon Tetra-chloride										
16. 1,4 Dichlorobenzene										
17. 1,2 Dichlorobenzene										
18. 1,3 Dichlorobenzene										
19. 1,1 Dichloroethane										
20. 1,2 Dichloroethane										
21. 1,1 Dichloroethylene										
22. cis-1,2 Dichloro-ethylene										
23. Dichloromethane (Methylene Chloride)										
24. Tetrachloroethylene										

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min- imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane										
26. 1,1,2 Trichloroethane										
27. Trichloroethylene										
28. Vinyl Chloride										
29. Acetone										
30. 1,4 Dioxane										
31. Total Phenols										
32. Pentachlorophenol										
33. Total Phthalates ⁵ (Phthalate esthers)										
34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]										
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene										
b. Benzo(a) Pyrene										
c. Benzo(b)Fluoranthene										
d. Benzo(k) Fluoranthene										
e. Chrysene										

⁵The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene										
g. Indeno(1,2,3-cd) Pyrene										
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)										
h. Acenaphthene										
i. Acenaphthylene										
j. Anthracene										
k. Benzo(ghi) Perylene										
l. Fluoranthene										
m. Fluorene										
n. Naphthalene-										
o. Phenanthrene										
p. Pyrene										
37. Total Polychlorinated Biphenyls (PCBs)										
38. Antimony										
39. Arsenic										
40. Cadmium										
41. Chromium III										
42. Chromium VI										

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper										
44. Lead										
45. Mercury										
46. Nickel										
47. Selenium										
48. Silver										
49. Zinc										
50. Iron										
Other (describe):										

c) For discharges where **metals** are believed present, please fill out the following:

<i>Step 1:</i> Do any of the metals in the influent have a reasonable potential to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y____ N____	If yes, which metals?
<i>Step 2:</i> For any metals which have reasonable potential to 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? Metals: _____ DF: _____	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 “Yes,” 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:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
	Chlorination	Dechlorination	Other (please describe):			
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 _____ Maximum flow rate of treatment system _____ Design flow rate of treatment system _____						
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 _____	Within facility__	Storm drain____	River/brook____	Wetlands _____	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:						

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 _____,

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water _____ 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? Yes____ No____ If yes, for which pollutant(s)?

Is there a TMDL? Yes____ No____ If yes, for which pollutant(s)?

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? 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: Bradford & Bigelow, Inc. (former GI Plastek)

Operator signature:



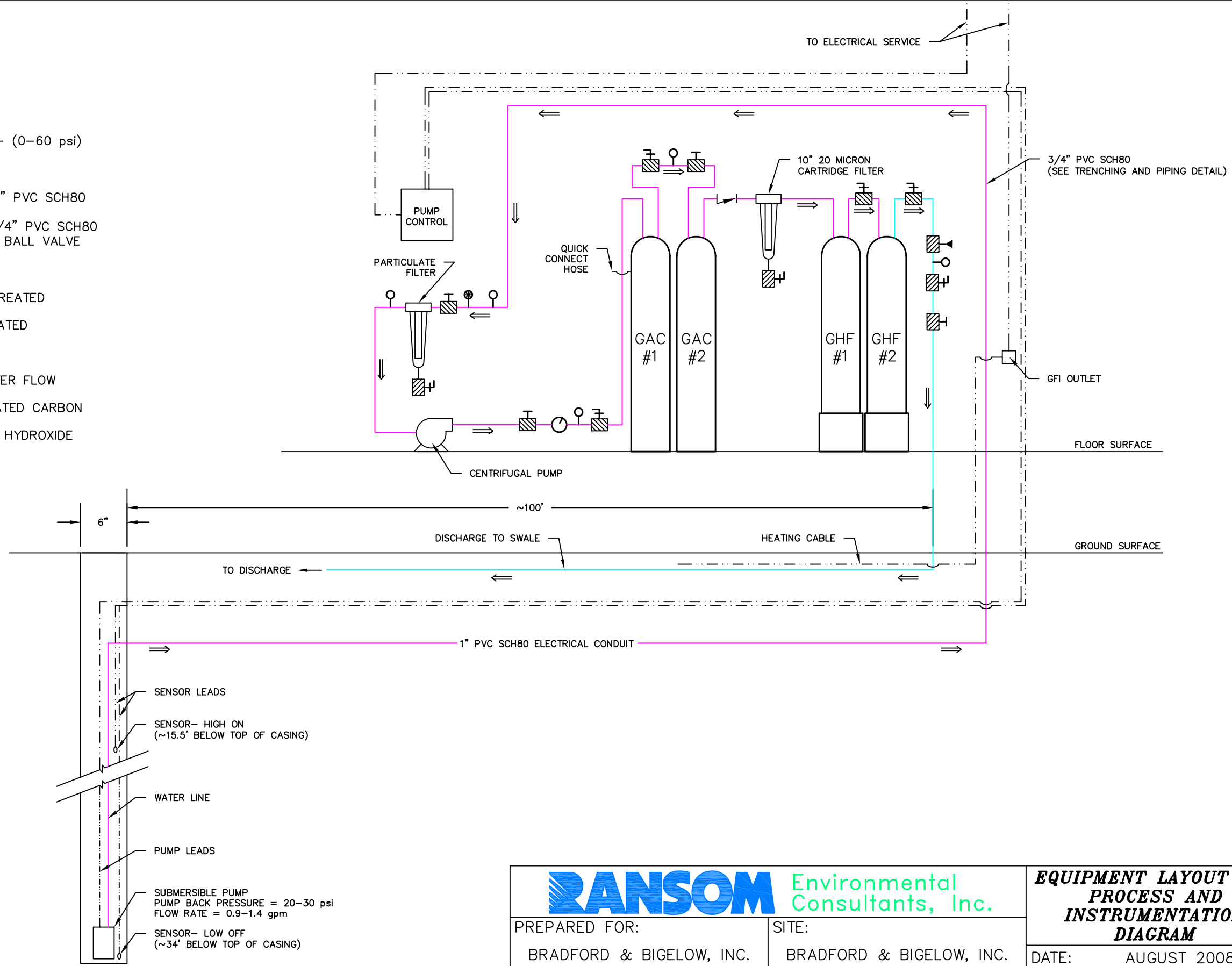
Title: Chief Financial Officer

Date:

9/2/08

LEGEND:

- VACUUM BREAKER
- FLOW TOTALIZER
- PRESSURE GAUGE— (0–60 psi)
- GATE VALVE
- BALL VALVE— 3/4" PVC SCH80
- SAMPLE PORT— 3/4" PVC SCH80 TEE, BUSHING, OR BALL VALVE
- 1/2" CHECK VALVE
- WATER LINE— UNTREATED
- WATER LINE— TREATED
- ELECTRICAL LINE
- DIRECTION OF WATER FLOW
- GAC GRANULAR ACTIVATED CARBON
- GHF GRANULAR FERRIS HYDROXIDE



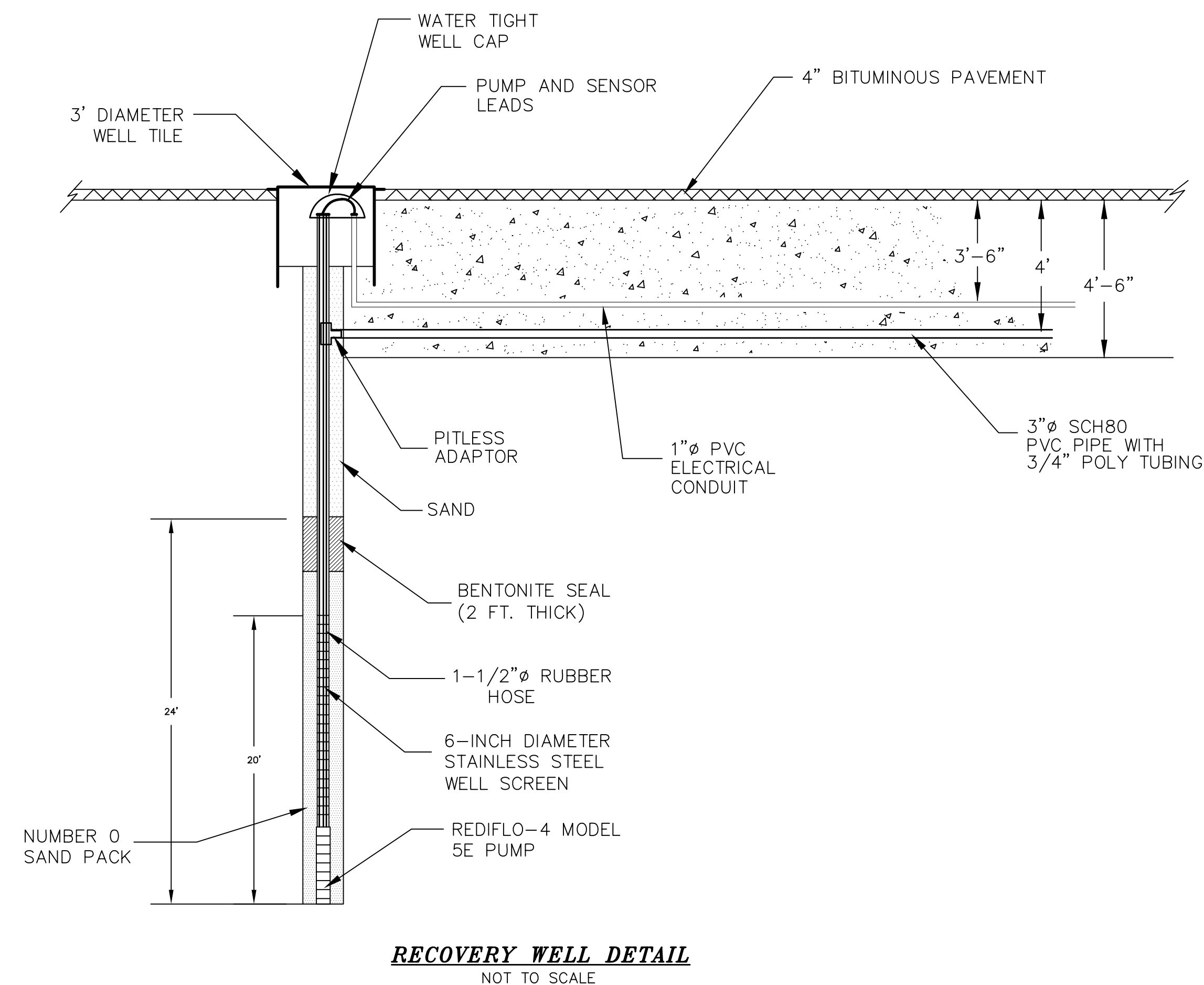
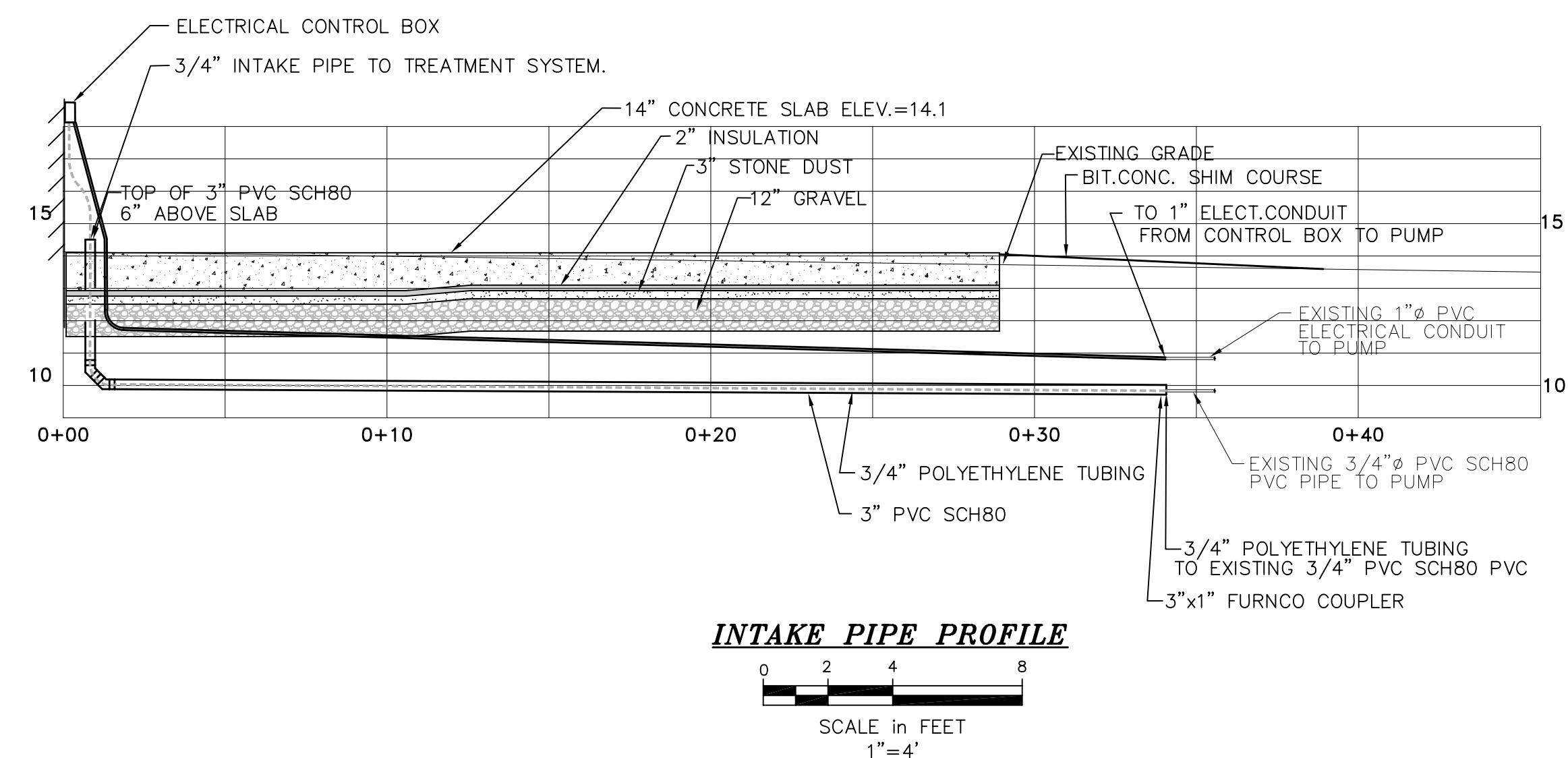
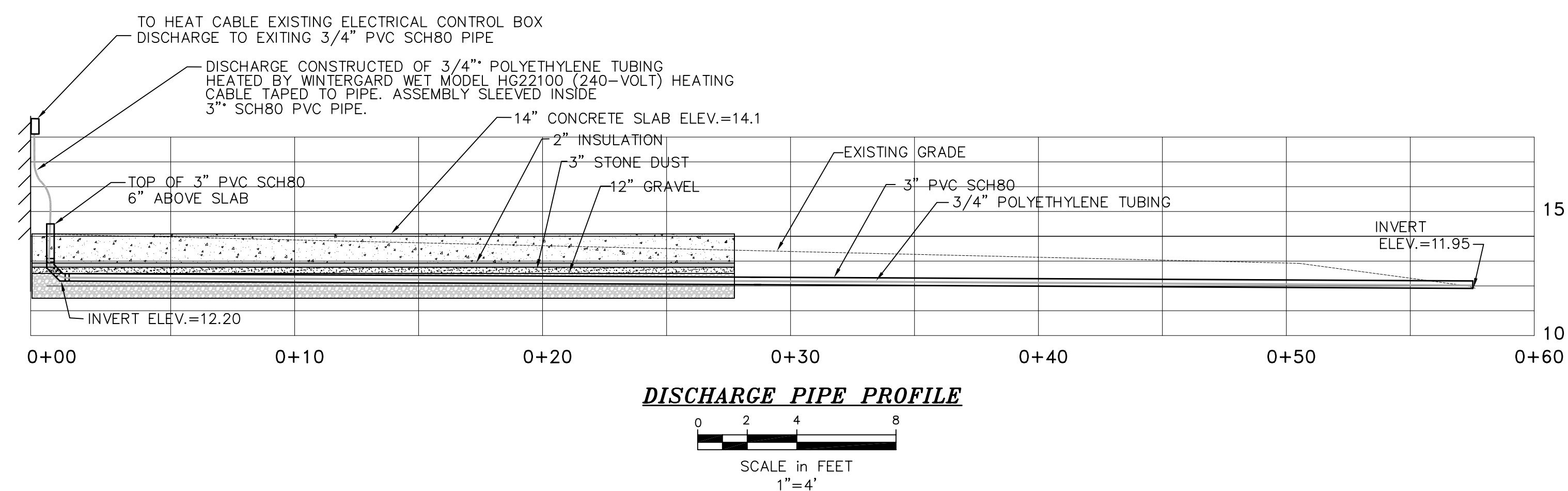
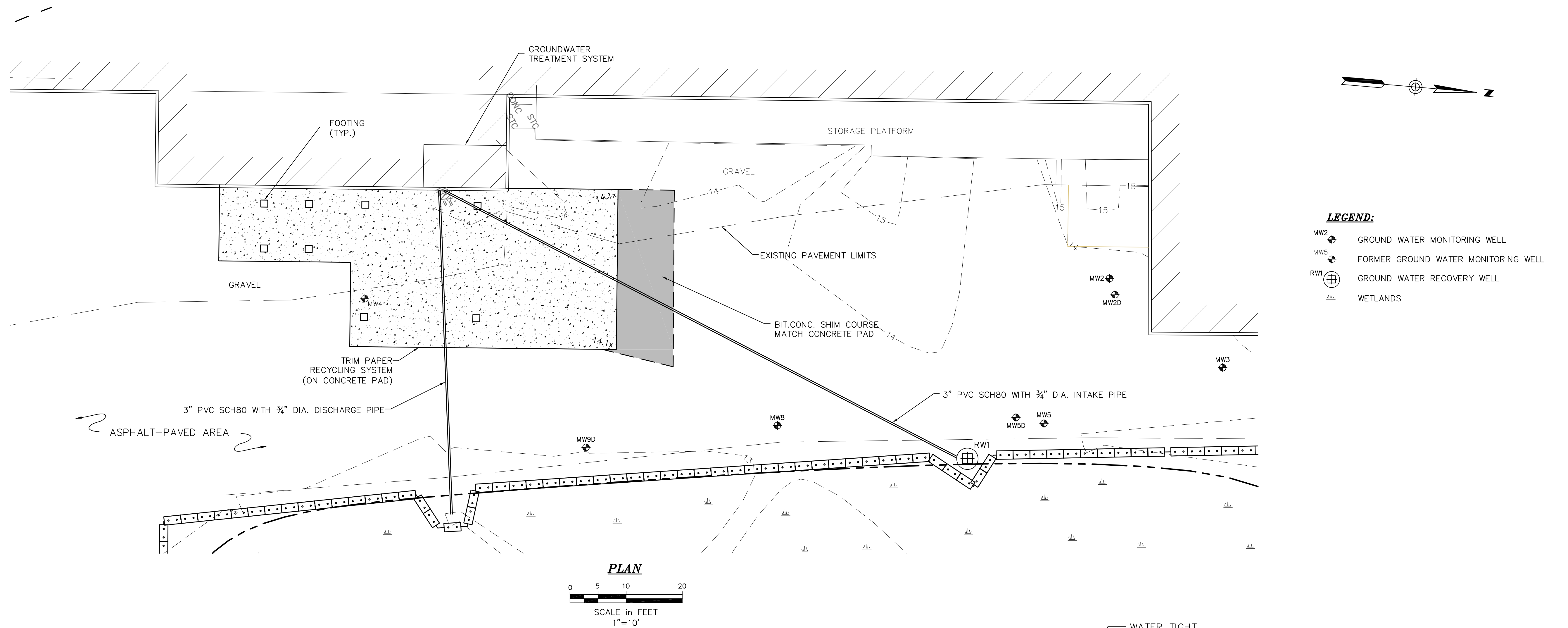
RANSOM Environmental Consultants, Inc.

PREPARED FOR:
BRADFORD & BIGELOW, INC.
3 PERKINS WAY
NEWBURYPORT, MASSACHUSETTS

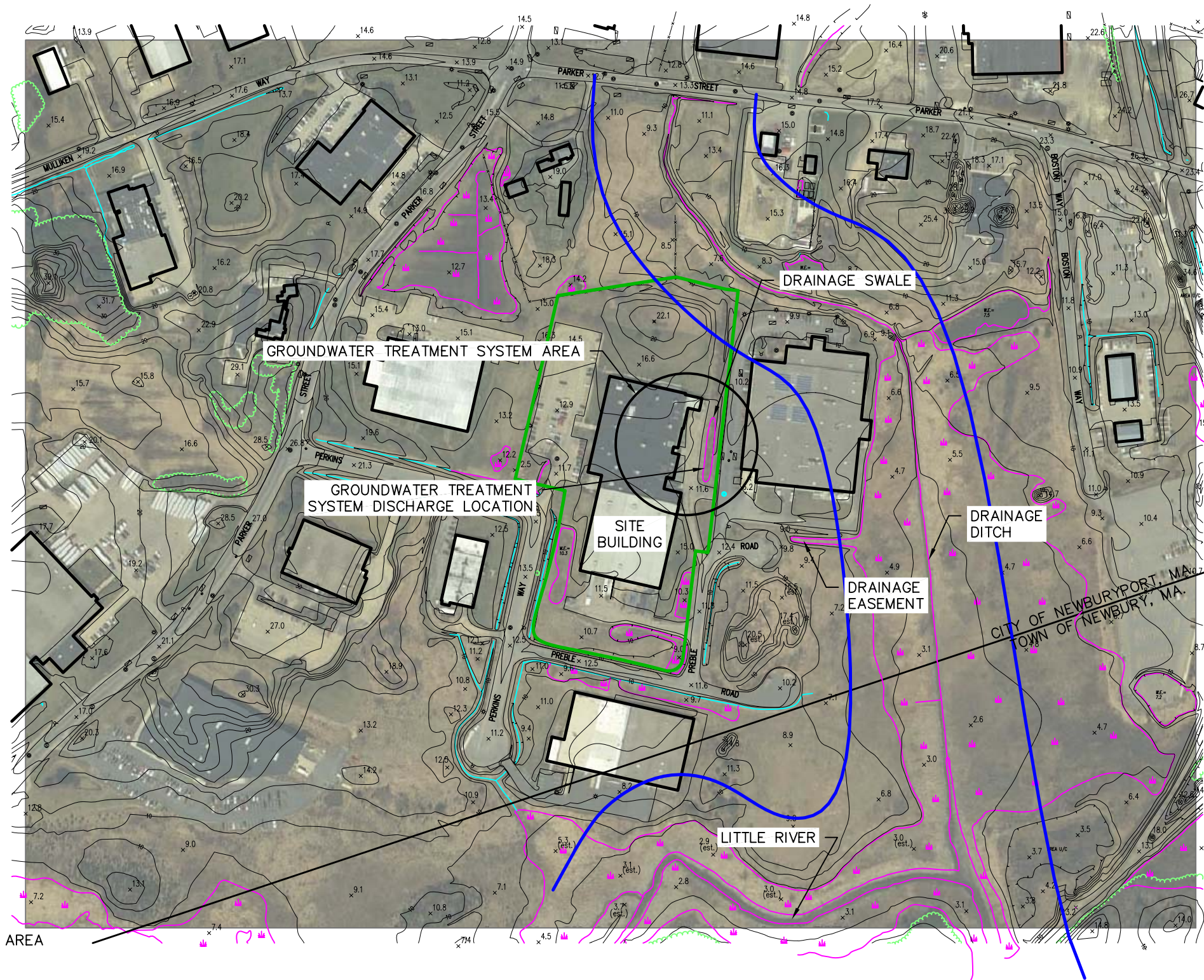
SITE:
BRADFORD & BIGELOW, INC.
3 PERKINS WAY
NEWBURYPORT, MASSACHUSETTS

**EQUIPMENT LAYOUT AND
PROCESS AND
INSTRUMENTATION
DIAGRAM**

DATE: AUGUST 2008
PROJECT: 991001.1
FIGURE: A



RANSOM Environmental Consultants, Inc.		PIPING PLAN
PREPARED FOR:	SITE:	DATE:
BRADFORD & BIGELOW, INC.	BRADFORD & BIGELOW, INC.	AUGUST 2008
3 PERKINS WAY	3 PERKINS WAY	PROJECT: 991001.1
NEWBURYPORT, MASSACHUSETTS	NEWBURYPORT, MASSACHUSETTS	FIGURE: B

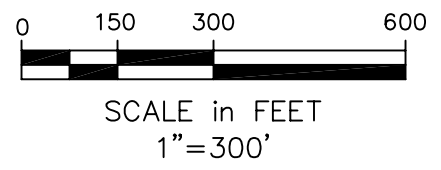


LEGEND:

-  WETLAND AREA
-  200' RIVERFRONT AREA
-  SITE BOUNDARY

NOTES:

1. TOPOGRAPHIC CONTOURS ELEVATIONS ARE NAVD88.
2. FIGURE BASED ON GOOGLE EARTH AERIAL IMAGE (MASSGIS, COMMONWEALTH OF MASSACHUSETTS EOE) AND PHOTOGRAMMETRY PROVIDED BY CHAS. H. SELLS, INC. DATED APRIL 17, 1997. WETLAND AREAS VERIFIED BY CITY OF NEWBURYPORT TAX ASSESSOR'S MAP 78 AND GIS DATA.
3. SOME LOCATIONS ARE APPROXIMATE IN LOCATION AND SCALE.



PREPARED FOR:	SITE:
BRADFORD & BIGELOW, INC. 3 PERKINS WAY NEWBURYPORT, MASSACHUSETTS	BRADFORD & BIGELOW, INC. 3 PERKINS WAY NEWBURYPORT, MASSACHUSETTS

SITE AREA PLAN

DATE: AUGUST 2008
PROJECT: 991001.1
FIGURE: C



LABORATORY REPORT CHECKLIST

Laboratory: alpha
Site: Bradford & Bigelow Lab Job No.: 40716394
Report Reviewed by: HED Date Reviewed: 8/4/08
Sample Description: Treatment system influent

Sample Integrity

- ☒ Custody Seal
- ☒ Temperature _____ °C
- ☒ Preservation
- ☒ Containers
- ☒ Holding time
- ☒ Date and time of collection
- ☒ Field identification accurate
- ☒ Filtration, any field manipulation noted
- ☒ Separate phase, matrix notes

Laboratory Information

- ☒ Current certification (if applicable)
- ☒ Name and address
- ☒ Signed by Lab Director or designee
- ☒ Lab ID No.
- ☒ Certification Statement (EPH/VPH)

Chain of Custody

- ☒ Relinquish and receipt signatures, dates, and times
- ☒ No gaps in custody
- ☒ Name of person collecting sample

Laboratory Report

- ☒ Method Reference
- Sample preparation
- Analysis method
- Modifications to method
- ☒ Units (solids on a dry weight basis)
- ☒ Reporting limits
- ☒ Analyst
- ☒ Date of analysis
- ☒ Date of preparation, if applicable
- ☒ Dilution factors
- ☒ % Moisture for solid samples
- ☒ Target analytes correct
- ☒ Matrix
- ☒ Lab report and/or sample ID#

Quality Assurance/Quality Control

- ☒ Any findings notes, explained well, data impact clear
- ☒ Method blank less than detection limit or not greater than 10% of lowest detected sample
- ☒ Surrogates, every sample, in control or discussed
- ☒ Matrix Spike/Matrix Spike Duplicate/Duplicate in control or discussed

Comments: _____

ALPHA ANALYTICAL LABORATORIES

**Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE**

CERTIFICATE OF ANALYSIS

Client: Ransom Environmental	Laboratory Job Number: L0716394
Address: Browns Wharf Newburyport, MA 01950	Date Received: 02-NOV-2007 Date Reported: 09-NOV-2007
Attn: Ms. Heather Dudley-Tatman	Delivery Method: Alpha
Project Number: 991001	Site: BRADFORD & BIGELOW

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0716394-01	PTINF-W1-110107	NEWBURYPORT, MA

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

Authorized by: Michelle M. Monis
Technical Representative

**ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT**

Laboratory Job Number: L0716394

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Sample Receipt

The analyses of Total Residual Chlorine and Hexavalent Chromium were received with the method required holding times exceeded and were performed at the client's request.

Total Residual Chlorine

A laboratory duplicate could not be performed due to limited sample volume available.

Volatile Organics

L0716394-01 has elevated detection limits due to the 25x dilution required by the elevated concentrations of target compounds in the sample.

Semivolatile Organics

The WG300976-4 MS % recovery for n-Nitrosodi-n-propylamine is below method acceptance criteria. The LCS % recovery is acceptable; no further action was taken.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0716394-01	Date Collected: 01-NOV-2007 10:30
PTINF-W1-110107	Date Received : 02-NOV-2007
Sample Matrix: WATER	Date Reported : 09-NOV-2007
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 9-Amber,4-Plastic,4-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total Suspended	ND	mg/l	5.0	30 2540D		1105 15:25	DW
Cyanide, Total	ND	mg/l	0.005	30 4500CN-CE	1108 10:45	1109 12:59	AT
Chlorine, Total Residual	ND	mg/l	0.02	30 4500CL-D		1102 21:20	JO
TPH	ND	mg/l	4.00	74 1664A	1107 11:00	1108 10:00	AT
Phenolics, Total	ND	mg/l	0.03	4 420.1		1107 18:00	TH
Chromium, Hexavalent	ND	mg/l	0.010	30 3500CR-D	1102 23:15	1102 23:15	HS
Total Metals							
Antimony, Total	ND	mg/l	0.0005	1 6020	1106 17:00	1107 06:48	BM
Arsenic, Total	0.0294	mg/l	0.0005	1 6020	1106 17:00	1107 06:48	BM
Cadmium, Total	ND	mg/l	0.0002	1 6020	1106 17:00	1107 06:48	BM
Chromium, Total	ND	mg/l	0.0005	1 6020	1106 17:00	1107 06:48	BM
Copper, Total	0.0008	mg/l	0.0005	1 6020	1106 17:00	1107 06:48	BM
Iron, Total	ND	mg/l	0.05	19 200.7	1106 17:00	1108 10:35	AI
Lead, Total	ND	mg/l	0.0005	1 6020	1106 17:00	1107 06:48	BM
Mercury, Total	ND	mg/l	0.0002	3 245.1	1107 19:30	1108 16:11	RC
Nickel, Total	0.0012	mg/l	0.0005	1 6020	1106 17:00	1107 06:48	BM
Selenium, Total	ND	mg/l	0.001	1 6020	1106 17:00	1107 06:48	BM
Silver, Total	ND	mg/l	0.0004	1 6020	1106 17:00	1107 06:48	BM
Zinc, Total	ND	mg/l	0.0050	1 6020	1106 17:00	1107 06:48	BM
Pesticides by GC 504				14 504.1	1109 09:00	1109 11:55	SS
1,2-Dibromoethane	ND	ug/l	0.019				
1,2-Dibromo-3-chloropropane	ND	ug/l	0.019				
Volatile Organics by GC/MS 624				5 624		1106 15:11	MM
Methylene chloride	ND	ug/l	120				
1,1-Dichloroethane	160	ug/l	38				
Chloroform	ND	ug/l	38.				
Carbon tetrachloride	ND	ug/l	25.				
1,2-Dichloropropane	ND	ug/l	88.				
Dibromochloromethane	ND	ug/l	25.				
1,1,2-Trichloroethane	ND	ug/l	38.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0716394-01
PTINF-W1-110107

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 624 cont'd				5 624	1106 15:11 MM	
2-Chloroethylvinyl ether	ND	ug/l	250			
Tetrachloroethene	43	ug/l	38			
Chlorobenzene	ND	ug/l	88.			
Trichlorofluoromethane	ND	ug/l	120			
1,2-Dichloroethane	ND	ug/l	38.			
1,1,1-Trichloroethane	620	ug/l	50			
Bromodichloromethane	ND	ug/l	25.			
trans-1,3-Dichloropropene	ND	ug/l	38.			
cis-1,3-Dichloropropene	ND	ug/l	38.			
Bromoform	ND	ug/l	25.			
1,1,2,2-Tetrachloroethane	ND	ug/l	25.			
Benzene	ND	ug/l	25.			
Toluene	ND	ug/l	25.			
Ethylbenzene	ND	ug/l	25.			
Chloromethane	ND	ug/l	250			
Bromomethane	ND	ug/l	120			
Vinyl chloride	ND	ug/l	50.			
Chloroethane	ND	ug/l	50.			
1,1-Dichloroethene	36	ug/l	25			
trans-1,2-Dichloroethene	ND	ug/l	38.			
cis-1,2-Dichloroethene	160	ug/l	25			
Trichloroethene	1400	ug/l	25			
1,2-Dichlorobenzene	ND	ug/l	120			
1,3-Dichlorobenzene	ND	ug/l	120			
1,4-Dichlorobenzene	ND	ug/l	120			
p/m-Xylene	ND	ug/l	50.			
o-xylene	ND	ug/l	25.			
Xylene (Total)	ND	ug/l	50.			
Styrene	ND	ug/l	25.			
Acetone	ND	ug/l	250			
Carbon disulfide	ND	ug/l	120			
2-Butanone	ND	ug/l	250			
Vinyl acetate	ND	ug/l	500			
4-Methyl-2-pentanone	ND	ug/l	250			
2-Hexanone	ND	ug/l	250			
Acrolein	ND	ug/l	200			
Acrylonitrile	ND	ug/l	250			
Methyl tert butyl ether	ND	ug/l	500			
1,4-Dioxane	ND	ug/l	50000			
Tert-Butyl Alcohol	ND	ug/l	2500			
Tertiary-Amyl Methyl Ether	ND	ug/l	500			
Surrogate(s)	Recovery		QC Criteria			
Pentafluorobenzene	104	%	80-120			
Fluorobenzene	102	%	80-120			
4-Bromofluorobenzene	109	%	80-120			
SVOC's by GC/MS 8270				1 8270C	1105 15:05 1107 19:52 PS	
Acenaphthene	ND	ug/l	4.9			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0716394-01
PTINF-W1-110107

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	1105 15:05	1107 19:52 PS
Benzidine	ND	ug/l	49.				
1,2,4-Trichlorobenzene	ND	ug/l	4.9				
Hexachlorobenzene	ND	ug/l	4.9				
Bis(2-chloroethyl)ether	ND	ug/l	4.9				
1-Chloronaphthalene	ND	ug/l	4.9				
2-Chloronaphthalene	ND	ug/l	5.9				
1,2-Dichlorobenzene	ND	ug/l	4.9				
1,3-Dichlorobenzene	ND	ug/l	4.9				
1,4-Dichlorobenzene	ND	ug/l	4.9				
3,3'-Dichlorobenzidine	ND	ug/l	49.				
2,4-Dinitrotoluene	ND	ug/l	5.9				
2,6-Dinitrotoluene	ND	ug/l	4.9				
Azobenzene	ND	ug/l	4.9				
Fluoranthene	ND	ug/l	4.9				
4-Chlorophenyl phenyl ether	ND	ug/l	4.9				
4-Bromophenyl phenyl ether	ND	ug/l	4.9				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9				
Bis(2-chloroethoxy)methane	ND	ug/l	4.9				
Hexachlorobutadiene	ND	ug/l	9.8				
Hexachlorocyclopentadiene	ND	ug/l	29.				
Hexachloroethane	ND	ug/l	4.9				
Isophorone	ND	ug/l	4.9				
Naphthalene	ND	ug/l	4.9				
Nitrobenzene	ND	ug/l	4.9				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.9				
Bis(2-ethylhexyl)phthalate	ND	ug/l	4.9				
Butyl benzyl phthalate	ND	ug/l	4.9				
Di-n-butylphthalate	ND	ug/l	4.9				
Di-n-octylphthalate	ND	ug/l	4.9				
Diethyl phthalate	ND	ug/l	4.9				
Dimethyl phthalate	ND	ug/l	4.9				
Benzo(a)anthracene	ND	ug/l	4.9				
Benzo(a)pyrene	ND	ug/l	4.9				
Benzo(b)fluoranthene	ND	ug/l	4.9				
Benzo(k)fluoranthene	ND	ug/l	4.9				
Chrysene	ND	ug/l	4.9				
Acenaphthylene	ND	ug/l	4.9				
Anthracene	ND	ug/l	4.9				
Benzo(ghi)perylene	ND	ug/l	4.9				
Fluorene	ND	ug/l	4.9				
Phenanthrene	ND	ug/l	4.9				
Dibenzo(a,h)anthracene	ND	ug/l	4.9				
Indeno(1,2,3-cd)pyrene	ND	ug/l	6.8				
Pyrene	ND	ug/l	4.9				
Benzo(e)pyrene	ND	ug/l	4.9				
Biphenyl	ND	ug/l	4.9				
Perylene	ND	ug/l	4.9				
Aniline	ND	ug/l	20.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0716394-01
PTINF-W1-110107

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	1105 15:05	1107 19:52 PS
4-Chloroaniline	ND	ug/l	4.9				
1-Methylnaphthalene	ND	ug/l	4.9				
2-Nitroaniline	ND	ug/l	4.9				
3-Nitroaniline	ND	ug/l	4.9				
4-Nitroaniline	ND	ug/l	6.8				
Dibenzofuran	ND	ug/l	4.9				
a,a-Dimethylphenethylamine	ND	ug/l	49.				
Hexachloropropene	ND	ug/l	9.8				
Nitrosodi-n-butylamine	ND	ug/l	9.8				
2-Methylnaphthalene	ND	ug/l	4.9				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	24.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	9.8				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	9.8				
Pentachloronitrobenzene	ND	ug/l	9.8				
Isodrin	ND	ug/l	9.8				
p-Dimethylaminoazobenzene	ND	ug/l	9.8				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	20.				
n-Nitrosodimethylamine	ND	ug/l	49.				
2,4,6-Trichlorophenol	ND	ug/l	4.9				
p-Chloro-m-cresol	ND	ug/l	4.9				
2-Chlorophenol	ND	ug/l	5.9				
2,4-Dichlorophenol	ND	ug/l	9.8				
2,4-Dimethylphenol	ND	ug/l	9.8				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	9.8				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	9.8				
Phenol	ND	ug/l	6.8				
2-Methylphenol	ND	ug/l	5.9				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9				
2,4,5-Trichlorophenol	ND	ug/l	4.9				
2,6-Dichlorophenol	ND	ug/l	9.8				
Benzoic Acid	ND	ug/l	49.				
Benzyl Alcohol	ND	ug/l	9.8				
Carbazole	ND	ug/l	4.9				
Pyridine	ND	ug/l	49.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				
Methyl methanesulfonate	ND	ug/l	20.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0716394-01
PTINF-W1-110107

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd						
				1 8270C	1105 15:05 1107 19:52 PS	
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	36.0	%	21-120			
Phenol-d6	29.0	%	10-120			
Nitrobenzene-d5	68.0	%	23-120			
2-Fluorobiphenyl	65.0	%	43-120			
2,4,6-Tribromophenol	75.0	%	10-120			
4-Terphenyl-d14	100	%	33-120			
PAH by GC/MS SIM 8270M						
				1 8270C-M	1105 15:10 1109 07:08 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			
Fluoranthene	ND	ug/l	0.20			
Hexachlorobutadiene	ND	ug/l	0.49			
Naphthalene	ND	ug/l	0.20			
Benzo(a)anthracene	ND	ug/l	0.20			
Benzo(a)pyrene	ND	ug/l	0.20			
Benzo(b)fluoranthene	ND	ug/l	0.20			
Benzo(k)fluoranthene	ND	ug/l	0.20			
Chrysene	ND	ug/l	0.20			
Acenaphthylene	ND	ug/l	0.20			
Anthracene	ND	ug/l	0.20			
Benzo(ghi)perylene	ND	ug/l	0.20			
Fluorene	ND	ug/l	0.20			
Phenanthrene	ND	ug/l	0.20			
Dibenzo(a,h)anthracene	ND	ug/l	0.20			
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20			
Pyrene	ND	ug/l	0.20			
1-Methylnaphthalene	ND	ug/l	0.20			
2-Methylnaphthalene	ND	ug/l	0.20			
Pentachlorophenol	ND	ug/l	0.78			
Hexachlorobenzene	ND	ug/l	0.78			
Perylene	ND	ug/l	0.20			
Biphenyl	ND	ug/l	0.20			
2,6-Dimethylnaphthalene	ND	ug/l	0.20			
1-Methylphenanthrene	ND	ug/l	0.20			
Benzo(e)Pyrene	ND	ug/l	0.20			
Hexachloroethane	ND	ug/l	0.78			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	46.0	%	21-120			
Phenol-d6	34.0	%	10-120			
Nitrobenzene-d5	84.0	%	23-120			
2-Fluorobiphenyl	71.0	%	43-120			
2,4,6-Tribromophenol	94.0	%	10-120			
4-Terphenyl-d14	120	%	33-120			
Polychlorinated Biphenyls						
				5 608	1105 10:40 1107 10:12 HG	
Aroclor 1016	ND	ug/l	0.263			
Aroclor 1221	ND	ug/l	0.263			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0716394-01
PTINF-W1-110107

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE		ID
						PREP	ANAL	
Polychlorinated Biphenyls cont'd				5	608	1105 10:40	1107 10:12	HG
Aroclor 1232	ND	ug/l	0.263					
Aroclor 1242	ND	ug/l	0.263					
Aroclor 1248	ND	ug/l	0.263					
Aroclor 1254	ND	ug/l	0.263					
Aroclor 1260	ND	ug/l	0.263					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	49.0	%	30-150					
Decachlorobiphenyl	78.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0716394

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total Suspended for sample(s) 01 (L0716156-01, WG300878-2)					
Solids, Total Suspended	110	99	mg/l	11	32
Cyanide, Total for sample(s) 01 (L0716267-01, WG301395-3)					
Cyanide, Total	0.027	0.020	mg/l	30	
TPH for sample(s) 01 (L0716451-02, WG301299-4)					
TPH	ND	ND	mg/l	NC	34
Phenolics, Total for sample(s) 01 (L0716394-01, WG301315-4)					
Phenolics, Total	ND	ND	mg/l	NC	12
Chromium, Hexavalent for sample(s) 01 (L0716394-01, WG300809-3)					
Chromium, Hexavalent	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01 (L0716451-02, WG301182-1)					
Iron, Total	0.61	0.60	mg/l	2	
Total Metals for sample(s) 01 (L0716451-02, WG301181-1)					
Arsenic, Total	0.0169	0.0156	mg/l	8	20
Chromium, Total	0.0006	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	0.0018	0.0017	mg/l	5	20
Selenium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01 (L0716539-01, WG301324-3)					
Mercury, Total	ND	ND	mg/l	NC	
Volatile Organics by GC/MS 624 for sample(s) 01 (L0716257-03, WG301062-2)					
Methylene chloride	ND	ND	ug/l	NC	30
1,1-Dichloroethane	ND	ND	ug/l	NC	30
Chloroform	ND	ND	ug/l	NC	30
Carbon tetrachloride	ND	ND	ug/l	NC	30
1,2-Dichloropropane	ND	ND	ug/l	NC	30
Dibromochloromethane	ND	ND	ug/l	NC	30
1,1,2-Trichloroethane	ND	ND	ug/l	NC	30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC	30
Tetrachloroethene	ND	ND	ug/l	NC	30
Chlorobenzene	ND	ND	ug/l	NC	30
Trichlorofluoromethane	ND	ND	ug/l	NC	30
1,2-Dichloroethane	ND	ND	ug/l	NC	30
1,1,1-Trichloroethane	ND	ND	ug/l	NC	30
Bromodichloromethane	ND	ND	ug/l	NC	30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	30
Bromoform	ND	ND	ug/l	NC	30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	30

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0716394

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organics by GC/MS 624 for sample(s) 01 (L0716257-03, WG301062-2)					
Benzene	ND	ND	ug/l	NC	30
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene	ND	ND	ug/l	NC	30
o-xylene	ND	ND	ug/l	NC	30
Xylene (Total)	ND	ND	ug/l	NC	30
Styrene	ND	ND	ug/l	NC	30
Acetone	ND	ND	ug/l	NC	30
Carbon disulfide	ND	ND	ug/l	NC	30
2-Butanone	ND	ND	ug/l	NC	30
Vinyl acetate	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone	ND	ND	ug/l	NC	30
2-Hexanone	ND	ND	ug/l	NC	30
Acrolein	ND	ND	ug/l	NC	30
Acrylonitrile	ND	ND	ug/l	NC	30
Surrogate(s)	Recovery			QC Criteria	
Pentafluorobenzene	101	103	%	80-120	
Fluorobenzene	101	102	%	80-120	
4-Bromofluorobenzene	104	103	%	80-120	
Polychlorinated Biphenyls for sample(s) 01 (L0716394-01, WG300936-4)					
Aroclor 1016	ND	ND	ug/l	NC	30
Aroclor 1221	ND	ND	ug/l	NC	30
Aroclor 1232	ND	ND	ug/l	NC	30
Aroclor 1242	ND	ND	ug/l	NC	30
Aroclor 1248	ND	ND	ug/l	NC	30
Aroclor 1254	ND	ND	ug/l	NC	30
Aroclor 1260	ND	ND	ug/l	NC	30
Surrogate(s)	Recovery			QC Criteria	
2,4,5,6-Tetrachloro-m-xylene	49.0	54.0	%	30-150	
Decachlorobiphenyl	78.0	76.0	%	30-150	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0716394

Parameter	% Recovery	QC Criteria
Cyanide, Total LCS for sample(s) 01 (WG301395-2)		
Cyanide, Total	104	
Chlorine, Total Residual LCS for sample(s) 01 (WG300814-2)		
Chlorine, Total Residual	97	
TPH LCS for sample(s) 01 (WG301299-2)		
TPH	85	64-132
Phenolics, Total LCS for sample(s) 01 (WG301315-2)		
Phenolics, Total	88	82-111
Chromium, Hexavalent LCS for sample(s) 01 (WG300809-2)		
Chromium, Hexavalent	101	85-115
Total Metals LCS for sample(s) 01 (WG301182-4)		
Iron, Total	95	
Total Metals LCS for sample(s) 01 (WG301181-4)		
Antimony, Total	96	80-120
Arsenic, Total	102	80-120
Cadmium, Total	106	80-120
Chromium, Total	97	80-120
Copper, Total	100	80-120
Lead, Total	99	80-120
Nickel, Total	97	80-120
Selenium, Total	101	80-120
Silver, Total	100	80-120
Zinc, Total	104	80-120
Total Metals LCS for sample(s) 01 (WG301324-1)		
Mercury, Total	99	
Pesticides by GC 504 LCS for sample(s) 01 (WG301548-2)		
1,2-Dibromoethane	90	70-130
1,2-Dibromo-3-chloropropane	83	70-130
Volatile Organics by GC/MS 624 LCS for sample(s) 01 (WG301062-7)		
Methylene chloride	116	10-221
1,1-Dichloroethane	124	59-155
Chloroform	130	51-138
Carbon tetrachloride	133	70-140
1,2-Dichloropropane	119	10-210
Dibromochloromethane	103	53-149
1,1,2-Trichloroethane	101	52-150
2-Chloroethylvinyl ether	83	10-305
Tetrachloroethene	106	64-148
Chlorobenzene	93	37-160
Trichlorofluoromethane	159	17-181

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0716394

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 LCS for sample(s) 01 (WG301062-7)		
1,2-Dichloroethane	134	49-155
1,1,1-Trichloroethane	124	52-162
Bromodichloromethane	107	35-155
trans-1,3-Dichloropropene	94	17-183
cis-1,3-Dichloropropene	101	10-227
Bromoform	85	45-169
1,1,2,2-Tetrachloroethane	89	46-157
Benzene	126	37-151
Toluene	107	47-150
Ethylbenzene	102	37-162
Chloromethane	146	10-273
Bromomethane	140	10-242
Vinyl chloride	157	10-251
Chloroethane	156	14-230
1,1-Dichloroethene	126	10-234
trans-1,2-Dichloroethene	124	54-156
cis-1,2-Dichloroethene	119	60-140
Trichloroethene	124	71-157
1,2-Dichlorobenzene	96	18-190
1,3-Dichlorobenzene	97	59-156
1,4-Dichlorobenzene	98	18-190
p/m-Xylene	101	40-160
o-Xylene	98	40-160
XYLENE (TOTAL)	100	40-160
Styrene	102	40-160
Acetone	117	40-160
Carbon disulfide	128	40-160
2-Butanone	100	40-160
Vinyl acetate	93	40-160
4-Methyl-2-pentanone	86	40-160
2-Hexanone	87	40-160
Acrolein	126	40-160
Acrylonitrile	114	40-160
Surrogate(s)		
Pentafluorobenzene	111	80-120
Fluorobenzene	109	80-120
4-Bromofluorobenzene	104	80-120
SVOC's by GC/MS 8270 LCS for sample(s) 01 (WG300976-2)		
Acenaphthene	72	46-118
1,2,4-Trichlorobenzene	57	39-98
2-Chloronaphthalene	63	40-140
1,2-Dichlorobenzene	47	40-140
1,4-Dichlorobenzene	49	36-97
2,4-Dinitrotoluene	86	24-96
2,6-Dinitrotoluene	82	40-140
Fluoranthene	93	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0716394

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 01 (WG300976-2)		
4-Chlorophenyl phenyl ether	79	40-140
n-Nitrosodi-n-propylamine	50	41-116
Butyl benzyl phthalate	89	40-140
Anthracene	81	40-140
Pyrene	93	26-127
Hexachloropropene	52	40-140
P-Chloro-M-Cresol	64	23-97
2-Chlorophenol	49	27-123
2-Nitrophenol	51	30-130
4-Nitrophenol	37	10-80
2,4-Dinitrophenol	65	30-130
Pentachlorophenol	68	9-103
Phenol	18	12-110
Surrogate(s)		
2-Fluorophenol	28	21-120
Phenol-d6	23	10-120
Nitrobenzene-d5	44	23-120
2-Fluorobiphenyl	58	43-120
2,4,6-Tribromophenol	88	10-120
4-Terphenyl-d14	83	33-120
PAH by GC/MS SIM 8270M LCS for sample(s) 01 (WG300979-2)		
Acenaphthene	83	40-140
2-Chloronaphthalene	73	40-140
Fluoranthene	109	40-140
Anthracene	93	40-140
Pyrene	102	40-140
Pentachlorophenol	84	30-130
Surrogate(s)		
2-Fluorophenol	50	21-120
Phenol-d6	38	10-120
Nitrobenzene-d5	89	23-120
2-Fluorobiphenyl	73	43-120
2,4,6-Tribromophenol	91	10-120
4-Terphenyl-d14	112	33-120
Polychlorinated Biphenyls LCS for sample(s) 01 (WG300936-2)		
Aroclor 1016	61	40-140
Aroclor 1260	91	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	50	30-150
Decachlorobiphenyl	76	30-150

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES**

Laboratory Job Number: L0716394

Continued

Parameter	% Recovery	QC Criteria
Cyanide, Total SPIKE for sample(s) 01 (L0716320-02, WG301395-4)		
Cyanide, Total	94	
TPH SPIKE for sample(s) 01 (L0716394-01, WG301299-3)		
TPH	87	64-132
Phenolics, Total SPIKE for sample(s) 01 (L0716394-01, WG301315-3)		
Phenolics, Total	95	77-124
Chromium, Hexavalent SPIKE for sample(s) 01 (L0716394-01, WG300809-4)		
Chromium, Hexavalent	101	85-115
Total Metals SPIKE for sample(s) 01 (L0716451-02, WG301182-2)		
Iron, Total	99	
Total Metals SPIKE for sample(s) 01 (L0716451-02, WG301181-2)		
Antimony, Total	95	80-120
Arsenic, Total	102	80-120
Cadmium, Total	104	80-120
Chromium, Total	95	80-120
Copper, Total	97	80-120
Lead, Total	97	80-120
Nickel, Total	95	80-120
Selenium, Total	97	80-120
Silver, Total	96	80-120
Zinc, Total	100	80-120
Total Metals SPIKE for sample(s) 01 (L0716539-01, WG301324-2)		
Mercury, Total	119	
Pesticides by GC 504 SPIKE for sample(s) 01 (L0716394-01, WG301548-3)		
1,2-Dibromoethane	96	
1,2-Dibromo-3-chloropropane	89	
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01 (L0716257-03, WG301062-1)		
Methylene chloride	112	10-221
1,1-Dichloroethane	122	59-155
Chloroform	127	51-138
Carbon tetrachloride	136	70-140
1,2-Dichloropropane	118	10-210
Dibromochloromethane	106	53-149
1,1,2-Trichloroethane	98	52-150
2-Chloroethylvinyl ether	87	10-305
Tetrachloroethene	102	64-148
Chlorobenzene	89	37-160
Trichlorofluoromethane	157	17-181
1,2-Dichloroethane	130	49-155
1,1,1-Trichloroethane	132	52-162
Bromodichloromethane	105	35-155

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES**

Laboratory Job Number: L0716394

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01 (L0716257-03, WG301062-1)		
trans-1,3-Dichloropropene	99	17-183
cis-1,3-Dichloropropene	102	10-227
Bromoform	92	45-169
1,1,2,2-Tetrachloroethane	92	46-157
Benzene	120	35-151
Toluene	105	47-150
Ethylbenzene	98	37-162
Chloromethane	137	10-273
Bromomethane	134	10-242
Vinyl chloride	151	10-251
Chloroethane	149	14-230
1,1-Dichloroethene	124	10-234
trans-1,2-Dichloroethene	118	54-156
cis-1,2-Dichloroethene	117	60-140
Trichloroethene	119	71-157
1,2-Dichlorobenzene	90	18-190
1,3-Dichlorobenzene	89	59-156
1,4-Dichlorobenzene	90	18-190
p/m-Xylene	97	40-160
o-Xylene	96	40-160
XYLENE (TOTAL)	97	40-160
Styrene	98	40-160
Acetone	131	40-160
Carbon disulfide	119	40-160
2-Butanone	116	40-160
Vinyl acetate	105	40-160
4-Methyl-2-pentanone	102	40-160
2-Hexanone	106	40-160
Acrolein	65	40-160
Acrylonitrile	127	40-160
Surrogate(s)		
Pentafluorobenzene	105	80-120
Fluorobenzene	103	80-120
4-Bromofluorobenzene	96	80-120
Polychlorinated Biphenyls SPIKE for sample(s) 01 (L0716394-01, WG300936-3)		
Aroclor 1016	65	40-140
Aroclor 1260	96	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	55	30-150
Decachlorobiphenyl	76	30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0716394

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 01 (L0716394-01, WG300976-4)					
Acenaphthene	59	59	0	30	46-118
1,2,4-Trichlorobenzene	45	46	2	30	39-98
2-Chloronaphthalene	49	49	0	30	40-140
1,2-Dichlorobenzene	41	41	0	30	40-140
1,4-Dichlorobenzene	40	40	0	30	36-97
2,4-Dinitrotoluene	69	74	7	30	24-96
2,6-Dinitrotoluene	64	69	8	30	40-140
Fluoranthene	78	78	0	30	40-140
4-Chlorophenyl phenyl ether	64	69	8	30	40-140
n-Nitrosodi-n-propylamine	40	42	5	30	41-116
Butyl benzyl phthalate	74	78	5	30	40-140
Anthracene	69	69	0	30	40-140
Pyrene	78	78	0	30	26-127
Hexachloropropene	46	46	0	30	40-140
p-Chloro-M-Cresol	51	54	6	30	23-97
2-Chlorophenol	39	39	0	30	27-123
2-Nitrophenol	42	39	7	30	30-130
4-Nitrophenol	49	54	10	30	10-80
2,4-Dinitrophenol	64	59	8	30	30-130
Pentachlorophenol	59	59	0	30	9-103
Phenol	24	25	4	30	12-110
Surrogate(s)					
2-Fluorophenol	31	31	0		21-120
Phenol-d6	30	30	0		10-120
Nitrobenzene-d5	33	35	6		23-120
2-Fluorobiphenyl	44	46	4		43-120
2,4,6-Tribromophenol	70	77	10		10-120
4-Terphenyl-d14	70	74	6		33-120
PAH by GC/MS SIM 8270M for sample(s) 01 (L0716394-01, WG300979-4)					
Acenaphthene	74	83	11	40	40-140
2-Chloronaphthalene	59	64	8	40	40-140
Fluoranthene	110	120	9	40	40-140
Anthracene	93	100	7	40	40-140
Pyrene	98	110	12	40	40-140
Pentachlorophenol	81	93	14	40	30-130
Surrogate(s)					
2-Fluorophenol	50	52	4		21-120
Phenol-d6	46	49	6		10-120
Nitrobenzene-d5	55	62	12		23-120
2-Fluorobiphenyl	58	64	10		43-120
2,4,6-Tribromophenol	84	94	11		10-120
4-Terphenyl-d14	79	88	11		33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0716394

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG300878-1)						
Solids, Total Suspended	ND	mg/l	5.0	30 2540D	1105 15:25 DW	
Blank Analysis for sample(s) 01 (WG301395-1)						
Cyanide, Total	ND	mg/l	0.005	30 4500CN-CE	1108 10:45 1109 13:11 AT	
Blank Analysis for sample(s) 01 (WG300814-1)						
Chlorine, Total Residual	ND	mg/l	0.02	30 4500CL-D	1102 21:20 JO	
Blank Analysis for sample(s) 01 (WG301299-1)						
TPH	ND	mg/l	4.00	74 1664A	1107 11:00 1108 10:00 AT	
Blank Analysis for sample(s) 01 (WG301315-1)						
Phenolics, Total	ND	mg/l	0.03	4 420.1	1107 18:00 TH	
Blank Analysis for sample(s) 01 (WG300809-1)						
Chromium, Hexavalent	ND	mg/l	0.010	30 3500CR-D	1102 23:15 1102 23:15 HS	
Blank Analysis for sample(s) 01 (WG301182-3)						
Total Metals				19 200.7		
Iron, Total	ND	mg/l	0.05	19 200.7	1106 17:00 1108 10:02 AI	
Blank Analysis for sample(s) 01 (WG301181-3)						
Total Metals						
Antimony, Total	ND	mg/l	0.0005	1 6020	1106 17:00 1107 06:37 BM	
Arsenic, Total	ND	mg/l	0.0005	1 6020	1106 17:00 1107 06:37 BM	
Cadmium, Total	ND	mg/l	0.0002	1 6020	1106 17:00 1107 06:37 BM	
Chromium, Total	ND	mg/l	0.0005	1 6020	1106 17:00 1107 06:37 BM	
Copper, Total	ND	mg/l	0.0005	1 6020	1106 17:00 1107 06:37 BM	
Lead, Total	ND	mg/l	0.0005	1 6020	1106 17:00 1107 06:37 BM	
Nickel, Total	ND	mg/l	0.0005	1 6020	1106 17:00 1107 06:37 BM	
Selenium, Total	ND	mg/l	0.001	1 6020	1106 17:00 1107 06:37 BM	
Silver, Total	ND	mg/l	0.0004	1 6020	1106 17:00 1107 06:37 BM	
Zinc, Total	ND	mg/l	0.0050	1 6020	1106 17:00 1107 06:37 BM	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0716394

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG301324-4)						
Total Metals						
Mercury, Total	ND	mg/l	0.0002	3 245.1	1107 19:30 1108 15:37	RC
Blank Analysis for sample(s) 01 (WG301548-1)						
Pesticides by GC 504						
				14 504.1	1109 09:00 1109 10:47	SS
1,2-Dibromoethane	ND	ug/l	0.020			
1,2-Dibromo-3-chloropropane	ND	ug/l	0.020			
Blank Analysis for sample(s) 01 (WG301062-8)						
Volatile Organics by GC/MS 624						
				5 624	1106 09:06	MM
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
Tetrachloroethene	ND	ug/l	1.5			
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
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	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
Trichloroethene	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
p/m-Xylene	ND	ug/l	2.0			
o-xylene	ND	ug/l	1.0			
Xylene (Total)	ND	ug/l	2.0			
Styrene	ND	ug/l	1.0			
Acetone	ND	ug/l	10.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0716394

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01 (WG301062-8)						
Volatile Organics by GC/MS 624 cont'd				5 624	1106 09:06 MM	
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	10.			
Vinyl acetate	ND	ug/l	20.			
4-Methyl-2-pentanone	ND	ug/l	10.			
2-Hexanone	ND	ug/l	10.			
Acrolein	ND	ug/l	8.0			
Acrylonitrile	ND	ug/l	10.			
Methyl Acetate	ND	ug/l	20.			
Ethyl Acetate	ND	ug/l	20.			
Tetrahydrofuran	ND	ug/l	20.			
Acetonitrile	ND	ug/l	40.			
n-Hexane	ND	ug/l	20.			
Isopropyl Ether	ND	ug/l	20.			
Cyclohexane	ND	ug/l	20.			
Heptane	ND	ug/l	20.			
Butyl Acetate	ND	ug/l	20.			
Methyl tert butyl ether	ND	ug/l	20.			
Ethyl Ether	ND	ug/l	20.			
Dibromomethane	ND	ug/l	20.			
1,4-Dioxane	ND	ug/l	2000			
Tert-Butyl Alcohol	ND	ug/l	100			
Tertiary-Amyl Methyl Ether	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
Pentafluorobenzene	104	%	80-120			
Fluorobenzene	104	%	80-120			
4-Bromofluorobenzene	108	%	80-120			
Blank Analysis for sample(s) 01 (WG300976-1)						
SVOC's by GC/MS 8270				1 8270C	1105 15:05 1107 12:49 PS	
Acenaphthene	ND	ug/l	5.0			
Benzidine	ND	ug/l	50.			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			
Hexachlorobenzene	ND	ug/l	5.0			
Bis(2-chloroethyl)ether	ND	ug/l	5.0			
1-Chloronaphthalene	ND	ug/l	5.0			
2-Chloronaphthalene	ND	ug/l	6.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
3,3'-Dichlorobenzidine	ND	ug/l	50.			
2,4-Dinitrotoluene	ND	ug/l	6.0			
2,6-Dinitrotoluene	ND	ug/l	5.0			
Azobenzene	ND	ug/l	5.0			
Fluoranthene	ND	ug/l	5.0			
4-Chlorophenyl phenyl ether	ND	ug/l	5.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0716394

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG300976-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	1105 15:05	1107 12:49	PS
4-Bromophenyl phenyl ether	ND	ug/l	5.0				
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0				
Bis(2-chloroethoxy)methane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	10.				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	5.0				
Butyl benzyl phthalate	ND	ug/l	5.0				
Di-n-butylphthalate	ND	ug/l	5.0				
Di-n-octylphthalate	ND	ug/l	5.0				
Diethyl phthalate	ND	ug/l	5.0				
Dimethyl phthalate	ND	ug/l	5.0				
Benzo(a)anthracene	ND	ug/l	5.0				
Benzo(a)pyrene	ND	ug/l	5.0				
Benzo(b)fluoranthene	ND	ug/l	5.0				
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	20.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	ND	ug/l	5.0				
2-Nitroaniline	ND	ug/l	5.0				
3-Nitroaniline	ND	ug/l	5.0				
4-Nitroaniline	ND	ug/l	7.0				
Dibenzofuran	ND	ug/l	5.0				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0716394

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG300976-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	1105 15:05	1107 12:49	PS
a-Naphthylamine	ND	ug/l	25.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	10.				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	10.				
Pentachloronitrobenzene	ND	ug/l	10.				
Isodrin	ND	ug/l	10.				
p-Dimethylaminoazobenzene	ND	ug/l	10.				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	20.				
n-Nitrosodimethylamine	ND	ug/l	50.				
2,4,6-Trichlorophenol	ND	ug/l	5.0				
p-Chloro-m-cresol	ND	ug/l	5.0				
2-Chlorophenol	ND	ug/l	6.0				
2,4-Dichlorophenol	ND	ug/l	10.				
2,4-Dimethylphenol	ND	ug/l	10.				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	10.				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	10.				
Phenol	ND	ug/l	7.0				
2-Methylphenol	ND	ug/l	6.0				
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0				
2,4,5-Trichlorophenol	ND	ug/l	5.0				
2,6-Dichlorophenol	ND	ug/l	10.				
Benzoic Acid	ND	ug/l	50.				
Benzyl Alcohol	ND	ug/l	10.				
Carbazole	ND	ug/l	5.0				
Pyridine	ND	ug/l	50.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				
Methyl methanesulfonate	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	25.0	%	21-120				
Phenol-d6	18.0	%	10-120				
Nitrobenzene-d5	44.0	%	23-120				
2-Fluorobiphenyl	44.0	%	43-120				
2,4,6-Tribromophenol	65.0	%	10-120				
4-Terphenyl-d14	70.0	%	33-120				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0716394

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG300979-1)							
PAH by GC/MS SIM 8270M				1 8270C-M	1105 15:10	1109 04:04	RL
Acenaphthene	ND	ug/l	0.20				
2-Chloronaphthalene	ND	ug/l	0.20				
Fluoranthene	ND	ug/l	0.20				
Hexachlorobutadiene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	39.0	%	21-120				
Phenol-d6	29.0	%	10-120				
Nitrobenzene-d5	70.0	%	23-120				
2-Fluorobiphenyl	62.0	%	43-120				
2,4,6-Tribromophenol	71.0	%	10-120				
4-Terphenyl-d14	106	%	33-120				
Blank Analysis for sample(s) 01 (WG300936-1)							
Polychlorinated Biphenyls				5 608	1105 10:40	1107 08:18	HG
Aroclor 1016	ND	ug/l	0.250				
Aroclor 1221	ND	ug/l	0.250				
Aroclor 1232	ND	ug/l	0.250				
Aroclor 1242	ND	ug/l	0.250				
Aroclor 1248	ND	ug/l	0.250				
Aroclor 1254	ND	ug/l	0.250				
Aroclor 1260	ND	ug/l	0.250				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0716394

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG300936-1)							
Polychlorinated Biphenyls cont'd				5 608	1105 10:40	1107 08:18	HG
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	45.0	%	30-150				
Decachlorobiphenyl	71.0	%	30-150				

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

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**ALPHA ANALYTICAL LABORATORIES
ADDENDUM I**

REFERENCES

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

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

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



WESTBORO, MA MANSFIELD, MA
TEL: 508-898-9220 TEL: 508-822-9300
FAX: 508-898-9193 FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 11/2

ALPHA Job #: L0716394

Client Information

Client: Ransom Env
Address: Brown's Wharf
Newburyport, MA
Phone: 978-465-1822
Fax:

Email: hdudley@ransonenv.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

NPDES RGP

Project Information

Project Name: Bradford & Bigelow
Project Location: Newburyport, MA
Project #: 991001
Project Manager: Heather Dudley-Talman
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ FUSH (only confirmed if pre-approved!)

Date Due: 11/9 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5767

Regulatory Requirements/Report Limits

State /Fed Program Criteria

NPDES RGP

MA MCP PRESUMPTIVE CERTAINTY -- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS
504
624
Total Metals
TSS
Hex Cr / TAC
8270
PAH - Low
PCB - 608
TPH - 1644
TCN
T. Phends

SAMPLE HANDLING

Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	SampleID	Collection Date	Time	Sample Matrix	Sampler's Initials											
16394.1	PT INF-W1-110107	11/1/07	1030	GW	HED	X	X	X	X	X	X	X	X	X	X	17

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Container Type V V P P P A A A A P A
Preservative H H C A A A A A B E D

Relinquished By: Heather Dudley-Talman
Don E. Talman
Heather Dudley-Talman

Date/Time
11/1/07 1640
11/2/07 12:38
11/2/07 12:18

Received By: Ryan E. Talman
Heather Dudley-Talman
Don E. Talman

Date/Time
11/1/07 1640
11/2/07 10:38
11/2/07 1218
11/2/07 1700

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.