



PUBLIC WORKS DEPARTMENT

CITY OF PORTSMOUTH

680 Peverly Hill Road
Portsmouth N.H. 03801
(603) 427-1530 FAX (603) 427-1539

January 30, 2015

Mark Pollins
Director of Water Enforcement
U.S. Environmental Protection Agency
Room # 3142
USEPA Ariel Rios Building (AR)
1200 Pennsylvania Avenue N.W.
Washington, D.C. 20004

Re: Consent Decree 09-cv-283-PB
Quarterly Report No. 21
Portsmouth, New Hampshire

Dear Mr. Pollins:

In accordance with Consent Decree 09-cv-283-PB, Section V, item paragraph 20, dated August 12, 2009, and as amended by Consent Decree Modification filed July 2, 2012 and approved by the Court February 15, 2013, the City of Portsmouth is submitting this quarterly status report.

The modified Consent Decree requires the filing of quarterly reports as follows:

Within 30 days after the end of each calendar quarter (i.e., by April 30, July 30, October 30, and January 30) after the Effective Date of this Consent Decree, until termination of this Decree pursuant to Section XVI, the City shall submit a written report for the preceding calendar quarter that shall include a description of the following: i) the status of any construction or compliance measures, including whether any such construction or compliance measure could be completed prior to relevant milestones contained herein consistent with sound engineering practice and normal construction practices; ii) the status of all Consent Decree milestones, including whether any have been achieved prior to the date for doing so; iii) any problems encountered or anticipated, together with the proposed or implemented solutions; iv) the status of permit applications; v) operation and maintenance operations; and vi) reports to State agencies.

The following is the list of compliance requirements listed in Section IV of the Consent Decree including additional requirements listed in the Consent Decree Modification. For clarity the requirements are listed in plain text and the status of the item is shown in ***Bold Italics***.

Preface

By letter dated June 27, 2013, the City formally notified EPA and NHDES that it was initiating the "Dispute Resolution" process set forth in the current Consent Decree paragraphs 41 et seq. relating to the City's request for an 18 month extension of the compliance schedule. This extension is necessary because the scope of the project increased dramatically from the basis of the original Consent Decree schedule, a 4.3 million gallon per day (MGD) secondary treatment facility, to the current project, a 6.1 MGD total nitrogen of 8 mg/L treatment facility (season rolling average basis). The size of the

treatment facility has increased based on discussions with the regulators, the loads to be treated were determined to be higher as discovered during piloting, and the treatment level has changed from secondary to seasonal rolling average total nitrogen. Since the June letter, the City provided written support for its extension request in August 2013 and met with EPA and DES representatives in September and November 2013 as part of the informal dispute resolution process. The City has reached a tentative agreement with EPA and DES relative to the extension of the schedule and next steps and is in the process of documenting such.

The City has moved forward with an evaluation of regional wastewater treatment options beginning in November 2014 at the City's Pease Wastewater Treatment Facility location. The evaluation is being performed concurrently with the design of the upgrade to the Peirce Island Wastewater Treatment Facility. The work is being performed by the consultant that performed the value engineering of the Peirce Island Wastewater Treatment Facility design. The Pease wastewater options evaluation is being completed in a phased manner. The first phase of the work including site layouts of proposed facilities was recently completed and the second phase of the work including development of life cycle cost estimates is underway. The City Council authorized moving forward with the second phase of the work on January 20, 2015. The impact on the Peirce Island design schedule as a result of this study is unclear. At this time, the City does not anticipate any need for an extension of the proposed November 2018 compliance milestone that is still under discussion, but may request flexibility for intermediate milestones that may be impacted.

Specific Consent Decree Items

8. Nine Minimum Controls Compliance Plan. Attached (*in the referenced CD*) as Appendix A is the Nine Minimum Controls Compliance Plan. The City shall implement the Nine Minimum Controls Compliance Plan in accordance with the schedule specified in Appendix A.

- i) There are no construction related activities with this item. The compliance measures associated with this item are on-going.*
- ii) There is no Consent Decree milestone associated with this item.*
- iii) There have been no problems encountered or anticipated with this item.*
- iv) There are no permit applications associated with this item.*
- v) Operation and maintenance is on-going*
- vi) There are no reports to State Agencies associated with this item.*

9. Wastewater Master Plan. Attached as Appendix B is the WMP SOW dated May 17, 2007. The City shall implement the WMP in Appendix B, and comply with all milestones and schedules in Appendix B.1.

The Schedule listed in Appendix B.1 has been modified by the Consent Decree Modification to include additional tasks and a revised schedule. The Consent Decree Modification includes a schedule for completion of secondary treatment upgrades at the Peirce Island Treatment Plant as well as adjustments to the Long Term Control Plan project schedule. Final completion for the wastewater treatment plant upgrades, including compliance with permit requirements, is required by May 2017. The City has requested an 18 month extension of this date and that request is currently being discussed between the City and EPA in the context of the informal dispute resolution process described in the Consent Decree. The additional requirements of the amended Consent Decree are listed below as items g through n:

g. By June 30, 2012, the City shall complete pilot testing of potential treatment technologies for achieving secondary treatment, including, but not necessarily limited to: Biologically Aerated Filters (BAF), BioMag, Moving Bed Biofilm Reactors (MBBR) w/ Dissolved Air Flotation (DAF), and Conventional Activated Sludge with BioMag. By July 30, 2012, the City shall complete a data summary relative to the pilot testing.

This milestone has been met. No further action required.

h. By October 1, 2012, the City shall submit a Piloting Technical Memorandum that includes data from piloting and a recommendation on the design and capacity of secondary treatment facilities.

This milestone has been met. The final engineering report was submitted September 28, 2012 to State Agencies concurrent with submission to the EPA as part of the milestone deadlines. The results of this work were presented to representatives of EPA and NHDES on December 18, 2012. Formal comments were received from the EPA by letter dated January 30, 2013. Additional comments were exchanged between the City and EPA by letters dated March 1, 2013 (City to EPA), March 6, 2013 (EPA to City) and March 15, 2013 (City to EPA). The City met with representatives of EPA and NHDES on April 1, 2013 to discuss correspondence. The City is proceeding to design and construct a 6.13 MGD treatment facility capable of treating to a total nitrogen of 8 mg/L on a season rolling average basis. No further action is required of the City.

i. By July 1, 2013, the City shall commence final design of secondary treatment facilities.

This milestone has been met. The City received Statement of Qualifications for Design Engineering Services on January 17, 2013 and executed a design phase engineering contract with the selected consultant, AECOM, on June 14, 2013 after successful contract negotiations. The City Council voted to move forward with the BAF technology, which may stay within the fence line on April 8, 2013. No further action is required of the City.

j. By August 31, 2014, the City shall complete design of secondary treatment facilities.

i) *The City held a kickoff meeting for Design Engineering Services with AECOM on June 18, 2013. The consultant's scope of work includes design of a Biological Aerated Filter (BAF) capable of meeting a total nitrogen effluent limit of 8 mg/L on a seasonal rolling average basis. Design of the treatment facilities is underway. The Design Phase 1 Summary Memorandum forwarded to EPA on May 27, 2014 outlined the initial phase of design including field work, evaluation of existing facilities, development of the upgraded site and facilities layouts, site visits at similar facilities, and establishment of design criteria. The 30% Final Design Report forwarded to EPA on July 31, 2014 included design plans, basis of design and updated cost estimates. The 30% estimate of project cost was \$86 million. Value Engineering was performed the first week of August by ARCADIS U.S., Inc. The value engineering workshop resulted in a number of recommendations being incorporated into the design. The plans were updated and the costs estimate was reduced to \$80 million. The 60% Design drawings and specifications were forwarded to EPA on October 20, 2014. The City executed a contract amendment with AECOM on October 24, 2014 for Final Design Phase*

3A to 75% design. The City met with the New Hampshire Department of Environmental Services on January 14, 2015 to review the 60% Design drawings with the design review team. The Department of Environmental Services design review team is touring the Peirce Island Wastewater Treatment Facility on January 29, 2015.

The City asked AECOM to expedite the design of the existing primary clarifier and gravity thickener mechanism replacement. This portion of the work was expedited due to the age and condition of this mechanical equipment as determined during the Phase 1 Design. These mechanisms have been operating since the early 1990's and have exceeded their intended design life and are in poor mechanical condition. In order to avoid a mechanical failure in the midst of the full treatment plant upgrade, the City chose to expedite the work. Bids for the Primary Clarifier and Gravity Thickener Replacement portion of the project were received on July 24, 2014. Methuen Construction was the successful bidder and a contract was executed for this work on September 4, 2014. See Item k. for additional details.

There are no construction activities with this item.

- ii) *The City's consultant is designing a WWTF upgrade capable of nitrogen removal. As noted in previous quarterly reports and separate correspondence, designing for nutrient removal will require substantial additional effort above that for the plant required under the Consent Decree which achieves only secondary treatment and so this Consent Decree milestone is unlikely to be met. The City has requested an extension of this milestone which is being discussed between the City and EPA in the context of the informal dispute resolution process described in the Consent Decree and in the preface to this report.*

The City's concurrent study of regional wastewater treatment options at the City's Pease WWTF location is ongoing. See the second paragraph of the Preface. In order to manage the City's resources, there may be delay in meeting this deadline in addition to the time already being discussed. See the first paragraph of the Preface.

- iii) *See response to ii above. The City expedited design of the Primary Clarifier and Gravity Thickener Replacement and will continue to make efforts to expedite the schedule if possible and consistent with sound engineering practice.*
- iv) *The Peirce Island WWTF NPDES permit reapplication was submitted in December, 2011. A draft NPDES permit has not yet been received. Design related permitting is underway. This work includes an archaeological assessment related to a review of the National Register of Historic Places as required per Section 106 of the National Historic Preservation Act. The final report for this work was submitted and accepted by the New Hampshire Division of Historical Resources (DHR). DHR concurred with the finding and indicated no additional studies were required by letter dated May 27, 2014. The City will soon be pursuing natural resource type permits for standard dredge and fill, shoreland protection, alteration of terrain, and local site plan review. The City recently met with the New Hampshire Department of Environmental Services on December 18, 2014 to discuss the Alteration of Terrain permit application which will be submitted in the near future. The City will be forwarding a Remedial Action Plan (RAP) to the polychlorinated biphenyls (PCB) Coordinator at EPA in the near future. The RAP is for the existing Solids Processing Building at the Peirce Island WWTF, which was constructed in 1964. PCBs were found during investigations of the building paint and caulking. The basement of this building will be repurposed and remain for the proposed final project and the RAP summarizes the proposed remedial actions and long term monitoring. Additional permits may be required and will be defined as the final layout is developed and finalized. Construction permits will be required and will be the responsibility of the selected Contractor.*
- v) *There are no operation and maintenance activities with this item.*

- vi) *There is no specific report associated with this milestone to be submitted to State Agencies. A Design Phase 1 Summary Memorandum, 30% Final Design Memorandum, and 60% Final Design plans and specifications were forwarded under separate cover.*

k. By March 1, 2015, the City shall commence construction of secondary treatment facilities.

- i) *The City recently received bids for the Primary Clarifier and Gravity Thickener Replacement. The project was awarded to Methuen Construction, Inc. in the amount of \$1,375,114. A notice to proceed was issued on September 12, 2014 with a substantial completion date of September 25, 2015. The City has requested an extension of this milestone related to the full treatment plant upgrade which is being discussed between the City and EPA in the context of the informal dispute resolution process described in the Consent Decree and the preface to this report. The construction schedule will be finalized as part of Consent Decree procedures referenced in requirement j above.*

The City's consultant is designing a WWTF upgrade capable of nitrogen removal. As noted in previous quarterly reports and separate correspondence, designing for nutrient removal will require substantial additional effort beyond that for constructing a secondary only plant required by the Consent Decree and so this Consent Decree milestone is unlikely to be met to the extent that construction of the Biological Aerated Filter will not commence until after March 1, 2015. The Primary Clarifier and Gravity Thickener Replacement project has been expedited ahead of the bigger construction effort for the secondary facilities. This work would have been necessary for the secondary treatment upgrade and is being advanced due to avoid the risk of mechanical failure during the larger construction effort. A contract with AECOM was executed for bidding and construction oversight of the Primary Clarifier and Gravity Thickener Replacement on June 5, 2014 in the amount of \$348,390.

The City's concurrent study of regional wastewater treatment options at the City's Pease WWTF location is ongoing. See the second paragraph of the Preface. In order to manage the City's resources, there may be delay in meeting this deadline in addition to the time already being discussed. See the first paragraph of the Preface.

- ii) *See response to ii above. The Primary Clarifier and Gravity Thickener Replacement project has been expedited in advance of the larger facility upgrade and additional efforts will be made to expedite the schedule if possible and consistent with sound engineering and construction practices.*
- iii) *The Peirce Island WWTF NPDES permit reapplication was submitted in December, 2011. A draft permit has not yet been received. Applications will soon be submitted for natural resource type permits and construction related permits will be the responsibility of the selected Contractor. Any additional permits will be defined as the design is finalized. No special permits were required as part of the Primary Clarifier and Gravity Thickener Replacement project.*
- iv) *The Primary Clarifier and Gravity Thickener Replacement will potentially result in an anticipated bypass around one primary clarifier during replacement of the clarifier mechanisms. This may result in reduced effluent quality from the treatment system. EPA and DES were notified of this anticipated bypass by letter from AECOM dated July 25, 2014.*

There are no operation and maintenance activities with this item at this time related to the full treatment facility upgrade.

v) *There is no report associated with this milestone to be submitted to State Agencies.*

l. By March 1, 2017, the City shall complete construction of secondary treatment facilities.

- i) *The PC and GT Replacement project is anticipated to be completed by September 2015. The City has requested an extension of this milestone as it relates to the larger WWTF upgrade, which is being discussed between the City and EPA in the context of the informal dispute resolution process described in the Consent Decree and the preface to this report. The construction schedule will be finalized as part of Consent Decree procedures referenced in requirement j above.*
- ii) *This milestone is unlikely to be met for the larger WWTF upgrade. The completion of construction will be impacted by resolution of the issues raised in the previous Quarterly Reports, in the preface and separate correspondence. The City's concurrent study of regional wastewater treatment options at the City's Pease WWTF location is ongoing. See the second paragraph of the Preface. In order to manage the City's resources, there may be delay in meeting this deadline in addition to the time already being discussed. See the first paragraph of the Preface.*
- iii) *See response to ii above. The Primary Clarifier and Gravity Thickener Replacement project has been expedited in advance of the larger facility upgrade and additional efforts will be made to expedite the schedule if possible and consistent with sound engineering and construction practices.*
- iv) *The Peirce Island WWTF NPDES permit reapplication was submitted in December, 2011. A draft permit has not yet been received. Applications will soon be submitted for natural resource type permits and construction related permits will be the responsibility of the selected Contractor. Any additional permits will be defined as the design is finalized.*
- v) *There are no operation and maintenance activities with this item.*
- vi) *There is no report associated with this milestone to be submitted to State Agencies.*

m. By May 1, 2017, the City shall achieve compliance with secondary treatment limits in the Permit.

- i) *There are no construction activities with this item yet. The construction schedule will be finalized as part of Consent Decree requirement j above.*
- ii) *This milestone is unlikely to be met. The City has requested an 18 month extension of this compliance date and that request is being discussed between the City and EPA in the context of the informal dispute resolution process described in the Consent Decree and the preface to this report. The date for achieving secondary compliance will be impacted by resolution of the issues raised in previous Quarterly Reports and separate correspondence. The City's concurrent study of regional wastewater treatment options at the City's Pease WWTF location is ongoing and is not anticipated to result in additional time requested to meet this compliance milestone. There may be a need to adjust this milestone if the results of this study result in a change in the City's current path to upgrade the Peirce Island Wastewater Treatment Facility.*
- iii) *See response to i) and ii) above. Efforts will be made to expedite the schedule if possible and consistent with sound engineering and construction practices.*
- iv) *The Peirce Island WWTF NPDES permit reapplication was submitted in December, 2011. Applications will soon be submitted for natural resource type permits and construction related permits will be the responsibility of the selected Contractor. Any additional permits will be*

defined as the design is finalized.

- v) *There are no operation and maintenance activities with this item.*
- vi) *There is no report associated with this milestone to be submitted to State Agencies.*

n. Whenever feasible, the City shall commence work in advance of milestones and complete such work as expeditiously as practicable, consistent with sound engineering practice and normal construction practices.

The City understands this measure and when consistent with sound engineering practice and normal construction practices will strive to meet its intent.

10. Combined Sewer Overflow Facility Upgrades. The City shall implement its April 2005 Final CSO Long Term Control Plan in accordance with the following schedule and shall complete all construction for implementation of the 2005 LTCP by October, 2012:

A revised schedule was included with the Consent Decree Modification which was filed on July 2, 2012.

Original LTCP Schedule *

Planning Area I.D.	Contract I.D.	Project Completion Date
Lincoln 3	Phase I	10/1/2011
Lincoln 3	Phase II	10/1/2012
Lincoln 3	Phase III	10/1/2013
Court/State	Court #3	1/1/2012
Islington	Islington #1	10/1/2010
Islington	Islington #2	1/1/2012

Revised LTCP Schedule **

<i>Planning Area I.D.</i>	<i>Contract I.D.</i>	<i>Project Status</i>	<i>Project Completion Date</i>
<i>Lincoln 3</i>	<i>Phase I</i>	<i>Complete</i>	<i>6/1/2012</i>
<i>Lincoln 3</i>	<i>Phase II</i>	<i>Complete</i>	<i>10/29/14 10/1/2014</i>
<i>Lincoln 3</i>	<i>Phase III</i>	<i>Complete</i>	<i>10/1/2013</i>
<i>Islington</i>	<i>Islington #2</i>	<i>Complete</i>	<i>7/30/13 6/1/2013</i>

* Original Schedule

** As filed July 2, 2012 Consent Decree Modification.

- i) *The construction related activities with this item are shown in the table above. The compliance measures associated with this item are complete. Construction of the Lincoln 3 Phase II project is complete with the exception of additional scope being added by the City. The City notified EPA by letter dated September 16, 2014 that the completion date for this project was not going to be met. The project scheduled was impacted due to spring weather conditions (snow) and loss of pipe installation production due to unforeseen conditions. This resulted in a modification to the contractual completion date from October 1, 2014 to October 29, 2014. The executed change order for this time extension is attached. The sewer separation component of this work was achieved as of October 29, 2014. Attached to this quarterly report is a copy of a letter from the City's consultant confirming that separation was*

completed. The City anticipates expanding the scope of the work to include a portion of Willard Street and Marston Street. This work is anticipated to provide an outlet for a limited area of combined sewer on South Street in advance of South Street reconstruction. This work was not part of the scope of the original Consent Decree.

- ii) Consent Decree milestones associated with this item have been met.*
- iii) Work associated with this item is complete and no problems are anticipated.*
- iv) Work associated with this item is complete and there is no permit application pending associated with this item.*
- v) There are no operation and maintenance activities with this item.*
- vi) There are no reports to State Agencies associated with this item.*

11. Interim Emissions/Effluent Limits. Until the City completes construction of, and achieves full operation of secondary treatment facilities in accordance with the schedule contained in this Consent Decree, the City shall comply with the interim limits and measures set forth in Appendix C. (See Current AO effluent limits). Thereafter, the City shall comply with the applicable NPDES permit limits then in effect.

- i) The Peirce Island WWTF has met the interim permit limits for the Quarter covered by this report. The compliance measures associated with this item are on-going. There are no construction related activities with this item.*
- ii) There are no Consent Decree milestones associated with this item.*
- iii) The wastewater BOD₅ strength coming to Peirce Island appears to increase in the soluble form during periods of low flow. This occurred in the late summer and fall of 2012 and 2013. The soluble component passes through the physical CEPT process and makes it difficult to meet permit limits. The City anticipates that this issue will be resolved by construction of the new facility.*
- iv) There is no permit application pending associated with this item.*
- v) There have been no exceptional operations and maintenance activities outside of routine wastewater treatment facility operations associated with this item.*
- vi) There are no reports to State Agencies associated with this item that have not also been submitted to the EPA as part of the milestone deadlines.*

12. Post Construction Monitoring Plan.

This item was submitted as part of the June 4, 2010 Wastewater Master Plan Draft submission. Following the WMP submission, the Consent Decree deadlines for the sewer separation projects were modified (see Item 10). The implementation schedule for the post construction monitoring plan (PCMP) must therefore be adjusted. The adjusted PCMP implementation schedule is shown below.

- i) The City received statements of qualifications and interviewed consultants in response to RFQ 37-14 I/I and PCMP. Based on the consultants' experience, the City chose to separate the projects. The PCMP will include implementation of the post construction monitoring plan as required in the City's Consent Decree and will update the implementation schedule as identified in the introductory paragraph to this item. The project was awarded to Hazen & Sawyer and a contract executed September 15, 2014 and work is underway. Hazen & Sawyer will submit on the City's behalf a revised PCMP under separate cover. See updated implementation schedule in item ii) below.*

The infiltration and inflow (I/I) project will include a sewer system evaluation survey of all portions of the collection system except the reconstructed Lincoln basin and a sump pump removal program for the City. This work will identify sources of extraneous flow in the collection system and make recommendations for system rehabilitation to reduce extraneous flow. A final scope of work is being negotiated and a contract will be awarded in February 2015.

- ii) *In Volume 2 of the 2010 Draft Wastewater Master Plan (WMP), there was a PCMP implementation schedule. The City is providing an updated implementation schedule to be consistent with Hazen & Sawyer’s anticipated schedule and with Item 10 as follows:*

Revised PCMP Schedule

PCMP Elements and Schedule		
Element	WMP Date	Rev Date
Implementation of the sewer separation projects identified in the 2010 LTCP Update	Through 2012	10/29/14*
Re-establish monitoring program based on 2008 meter and rain gauge sites	2013	Spring 2015
Update and re-calibration of the collection system model using the 2008 monitoring data	2014	2016
Assessment of progress made towards meeting the goals of the 2010 LTCP Update	2015	2017
Report to EPA and the New Hampshire DES	2015	2017

* *Lincoln 3 Phase II Sewer Separation Completion Date*

- The Consent Decree milestones as revised above associated with this item will be met.*
- iii) *The Consent Decree milestones as revised above associated with this item will be met.*
- iv) *There is no permit application pending associated with this item.*
- v) *There are no operation and maintenance activities associated with this item.*
- vi) *There are no reports to State Agencies associated with this item that have not also been submitted to the EPA as part of the milestone deadlines.*

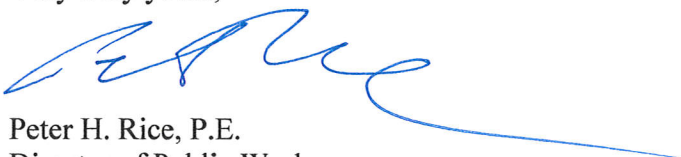
Page 10 of 10
Mr. Mark Pollins
January 30, 2015

As required by the Consent Decree:

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, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call me at 603-766-1416 if you have any questions or require additional information.

Very truly yours,



Peter H. Rice, P.E.
Director of Public Works

cc: Chief, Environmental Enforcement Section
Joy Hilton, USEPA Region 1
Tracy L. Wood, P.E., NHDES Wastewater Engineering Bureau
Allen Brooks, Esq., Department of Justice, Environmental Protection Bureau
Mr. John P. Bohenko, City Manager, City of Portsmouth
Robert P. Sullivan, City Attorney
Suzanne Woodland, Assistant City Attorney
David S. Allen, P.E., Deputy City Manager
Brian Goetz, Deputy Director of Public Works
E. Tupper Kinder, Esquire Nelson Kinder & Mosseau PC.

1642.00

November 11, 2014

Rick S. Dolce, P.E.
Engineering Projects Manager
Public Works Department
680 Peverly Hill Road
Portsmouth, New Hampshire 03801

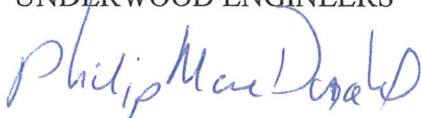
**Re: *Consent Decree - Sewer Separation
Lincoln Area Sewer Separation – Contract 3C***
Portsmouth, New Hampshire

Dear Mr. Dolce:

ABI, the general contractor for the referenced project is requesting substantial completion for the sewer separation work, see attached letter. Sewer separation work for Contract 3C was completed on October 29, 2014 in accordance with approved change orders, previously transmitted. Since timelines are mandated by the EPA, we suggest that the EPA be notified of this milestone.

Please contact this office if there are any questions.

Very truly yours,
UNDERWOOD ENGINEERS



Philip D. Macdonald, P.E.
Project Manager

cc: Terry L. Desmarais; P.E. – Sewer & Water Engineer (electronic copy)
Brian F. Goetz, P.E. – Deputy Director, Public Works (electronic copy)

ph 603.436.6192
fx 603.431.4733
25 Vaughan Mall
Portsmouth, NH 03801

B-9.1 (SRF)
CHANGE ORDER

No. 3

PROJECT: Lincoln Area Sewer Sep. - Contract 3C	DATE OF ISSUANCE: 12/9/2014
OWNER: City of Portsmouth (Name & Address) 1 Junkins Ave Portsmouth, NH 03801	OWNER'S P.O. NUMBER:
CONTRACTOR: Albanese Brothers, Inc.	OWNER'S PROJECT #: 14000074 ENGINEER: Underwood Engineers, Inc. ENGINEER'S PROJECT #: 1642

You are directed to make the following changes in the Contract: Documents.

Description: Contract Time Extension.

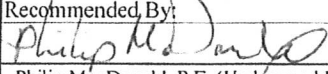
Purpose: This Change Order #3 will extend Contract Time for additional work performed by the Contractor, for work delays and to allow time for completion of sidewalks. (See attachments A and B)

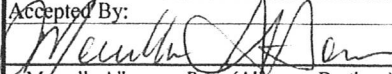
Attachments: Attachment A - Letter From ABI dated 8/28/14, Attachment B - Letter from ABI dated 11/25/14

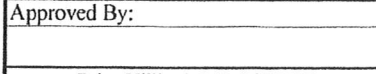
CHANGE IN CONTRACT PRICE		CHANGE IN CONTRACT TIME	
Original Contract Price \$5,424,486.82		Original Contract Time:	
SAG Eligible	\$2,917,321.40	Days	Date
SAG Non-eligible	\$2,507,165.42	Sewer Substantial Completion:	300 September 13, 2014
Previous Change Orders		Project Substantial Completion:	330 October 13, 2014
\$14,775.00		Final Completion:	360 November 12, 2014
SAG Eligible	\$6,274.00	Net change from previous Change Orders	
SAG Non-eligible	\$3,276.00	Sewer Substantial Completion:	11 Days
Contract Price prior to this Change Order		Project Substantial Completion:	11 Days
\$5,434,036.82		Final Completion:	11 Days
CWSRF #CS-330106-14	\$2,923,595.40	Contract Time prior to this Change Order:	
SAG Non-eligible	\$2,510,441.42	Days	Date
Net Increase Decrease of this Change Order		Sewer Substantial Completion:	311 September 24, 2014
\$0.00		Project Substantial Completion:	341 October 24, 2014
SAG Eligible	\$0.00	Final Completion:	371 November 23, 2014
SAG Non-eligible	\$0.00	Net Change of this Change Order	
Contract Price with all approved Change Orders		Sewer Substantial Completion:	35 Days
\$5,434,036.82		Project Substantial Completion**:	78 Days
WWEB/SAG D2013-0102	\$2,923,595.40	Final Completion:	78 Days
SAG Non-eligible	\$2,510,441.42	Contract Time with all approved change orders	
		Days	Date
		Sewer Substantial Completion:	346 October 29, 2014
		Project Substantial Completion**:	419 April 10, 2015
		Final Completion:	449 May 10, 2015

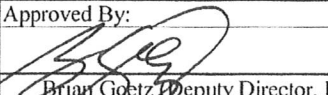
****Includes completion of sidewalks following Winter Shutdown Period**

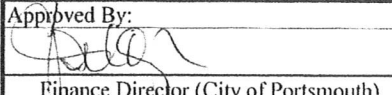
This document will become a supplement to the CONTRACT and all provisions will apply hereto. The attached Contractor's Revised Project Schedule reflects increases or decreases in Contract Time as authorized by this Change Order. Stipulated price and time adjustment includes all costs and time associated with the above described change. Contractor waives all rights for additional time extension for said change. Contractor and Owner agree that the price(s) and time adjustment(s) stated above are equitable and acceptable to both parties.

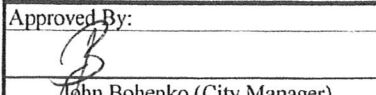
Recommended By:

Philip MacDonald, P.E. (Underwood Engineers)

Accepted By:

Marcella Albanese, Pres. (Albanese Brothers)

Approved By:

Brian Hilliard, P.E. (NHDES)

Approved By:

Brian Goetz, Deputy Director, DPW

Approved By:

Finance Director (City of Portsmouth)

Approved By:

John Bohenko (City Manager)



ATTACHMENT A

Albanese Bros. Inc.
General Contractor

August 28, 2014

Mr. Philip MacDonald, P.E.
Underwood Engineers, Inc.
25 Vaughan Mall
Portsmouth, NH 03801

28 LOON HILL ROAD
P.O. BOX 518
DRACUT MA 01826-4031
OFFICE (978) 454-8850
FAX (978) 458-8710

RE: Lincoln Area Sewer Separation – Contract #3C, Portsmouth, NH

Dear Mr. MacDonald:

Albanese Brothers, Inc (ABI) would like to request a time extension for Contract #3C, Lincoln Area Sewer Separation. The current project completion dates, as amended by Change Order No. 2 are:

- Sewer and Drain Work Substantial Completion date is September 27, 2014.
- Total Project Substantial Completion¹ date is October 24, 2014.
- Completion of all work² date is November 23, 2014.

The need for this time extension is due to the additional work ABI was directed to perform as well as the differing site conditions encountered during this construction season. The following is a summary of the more pertinent work that have delayed ABI, a list of all the delays that ABI incurred is included in the attached table.

- Additional work has that ABI was directed by the city to perform. While performing this work ABI's crew was not able to perform contract work.
- On several streets, more ledge was found than was depicted on the drawings resulting in the contract work on those area taking longer than anticipated.
- On several streets, gas main was closer to the pipeline being installed than was depicted on the drawings resulting in the contract work on those areas taking longer than anticipated.

ABI respectfully requests to be granted a time extension of 25 working days to bring this Contract to substantial completion. The new completion dates would be:

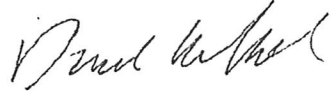
- Sewer and Drain Work Substantial Completion date is October 31, 2014.
- Total Project Substantial Completion date is December 1, 2014.
- Completion of all work date is December 29, 2014.

¹ Including water systems, binder paving curb and sidewalks.

² Completion of all work except final pavement overlay.
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Please let me know if you have any questions or need additional information.

Very truly yours,
ALBANESE BROTHERS, INC.

A handwritten signature in black ink, appearing to read "David Whitney". The signature is fluid and cursive, written over the printed name below.

David Whitney
Project Manager

cc: ABI File
Marcella Albanese, ABI
Bryan Tremblay, ABI

ADDITIONAL WORKING DAYS REQUESTED
 LINCOLN AREA SEWERS - CONTRACT 3C
 PORTSMOUTH, NH

DATE	LOCATION	DESCRIPTION	DAYS REQUESTED
5/1/14	Contract 3C	Rain Day	1
	Park Street (South)	Actual ledge was higher than expected and took longer to install the water, sewer and drain line.	3
6/13/14	Contract 3C	Rain Day	1
6/17/14	Union Street (South)	Crew mobilized to repair water break due to poor shutdown. Directed to repair at Union St/South St intersection.	1
	Union Street (South)	Gas main closer than expected to water main install and the ledge was higher than expected.	3
	Union Street (North)	Ledge higher than expected during drain install.	2
7/28/14	Highland Street (3B)	Crew mobilized to 29/31 Highland St to rework sewer service and install new sewer service to lawyers office. Paving crew paved driveway at end of day.	1
7/31/14	238 Richards Ave	Crew mobilized to 238 Richards Ave to cut in an emergency sewer service.	1
	Union Street (North)	Gas main was closer than expected during water main install.	2
	Wibird Street (North)	Ledge higher than expected during sewer install, had to drill and blast	3
8/5/14 - 8/8/14	Parrott Ave (3B)	Crew mobilized for drain and sewer work at 324, 334 and 344 Parrott Ave on Contract 3B	4
8/13/14	Contract 3C	Rain Day	1
8/15/14	Parrott Ave (3B)	Crew prep/pave driveway at 334 Parrott Ave	1
8/18/14	Parrott Ave (3B)	Crew performed prep work for concrete driveway apron at 334 Parrott Ave and prepared Parrott Ave for final paving on Monday 8/25/14	1
TOTAL			25



CO # 3 - ATTACHMENT B
 Albanese Bros. Inc.
 General Contractor

28 LOON HILL ROAD
 P.O. BOX 518
 DRACUT MA 01826-4031
 OFFICE (978) 454-8850
 FAX (978) 458-8710

November 25, 2014

Mr. Philip MacDonald, P.E.
 Underwood Engineers, Inc.
 25 Vaughan Mall
 Portsmouth, NH 03801

RE: Lincoln Area Sewer Separation – Contract #3C, Portsmouth, NH

Dear Mr. MacDonald:

Albanese Brothers, Inc (ABI) would like to request a time extension for Contract #3C, Lincoln Area Sewer Separation. The current project completion dates, as amended by Change Order No. 3 are:

- Total Project Substantial Completion¹ date is November 28, 2014.
- Completion of all work² date is December 28, 2014.

The need for this time extension is due to the delays that ABI has encountered that have been out of ABI's control. The following is a summary of the more pertinent items that has delayed ABI.

- ABI was delayed in the performance of the work on South Street because ABI could not start the sewer installation until the gas company had replaced the cast iron gas main on the street.
- The work on South Street was further delayed because the hours that ABI was allowed to work on the street was further restricted by the City. ABI work day on the street was restricted to between 8:00 AM and 2:00 PM, significantly less than the working hours allowed by the contract which are 7:00 AM and 5:00 PM.
- ABI has encountered unseasonably cold weather conditions that have delayed ABI's work.

ABI respectfully requests to be granted a time that will revise the contract to the following completion dates:

- Total Project Substantial Completion date is December 19, 2014.
- Completion of all work date is April 30, 2015.

Since this work is being late in the construction season, ABI may find that it is not possible to complete all of the sidewalk construction before the winter shut down, this work may have to complete in the Spring.***

*** TIME EXTENSION IS PROVIDED TO APRIL 10, 2015
 FOR COMPLETION OF SIDEWALK AND GRADING AT
 STAGING AREA AS DESCRIBED IN CO #1

Phil MacDonald 12/9/14

¹ Including water systems, binder paving curb and sidewalks.

² Completion of all work except final pavement overlay.

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Please let me know if you have any questions or need additional information.

Very truly yours,
ALBANESE BROTHERS, INC.



David Whitney
Project Manager

cc: ABI File
Marcella Albanese, ABI
Bryan Tremblay, ABI



Albanese Bros. Inc.
General Contractor

November 11, 2014

Mr. Philip MacDonald, P.E.
Underwood Engineers, Inc.
25 Vaughan Mall, Unit 1
Portsmouth, NH 03801

28 LOON HILL ROAD
P.O. BOX 518
DRACUT MA 01826-4031
OFFICE (978) 454-8850
FAX (978) 458-8710

SUBJECT: Lincoln Area Sewer Separation
Contract No. 3C

RE: **Request for Substantial Completion**

Dear Mr. MacDonald:

In accordance with General Conditions of the Construction Contract (Lincoln Area Sewer Separation, Contract No. 3C), Article 25.1-Substantial Completion and Payment, Albanese Brothers, Inc. (ABI) is requesting that substantial completion of the Sewer work be granted. The Sewer and Drain Work on this project is complete to the extent that the Owner is making use of the work performed as of October 29, 2014. ABI will continue to work on the remaining items to be completed.

Your prompt review and recommendation is appreciated.

If you have any questions during your review of the request, please feel free to contact me.

Very truly yours,

ALBANESE BROTHERS, INC.

David Whitney
Project Manager

cc: Rick Dolce, City of Portsmouth
Dan Rochette, UEI Field Office
Marcella Albanese, ABI
Oto Albanese, ABI
Bryan Tremblay, ABI
ABI File

M:\CURRENT PROJECTS\Portsmouth - Lincoln Ave 3C\Correspondence\Substantial Completion of drain and sewer.docx

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