

ADDENDUM NO. 1
MARCH 16, 2012
LINCOLN AREA SEWER SEPARATION – CONTRACT #3B
PORTSMOUTH, NEW HAMPSHIRE

The following changes and information are hereby incorporated into the Contract Documents (Project Manual and Drawings).

PROJECT MANUAL

1. Pre-Bid Meeting

Meeting Notes (Attachment A) and the information provided within are included in the Contract Documents by this Addendum No. 1.

2. Bid Schedule

The following modifications are **incorporated** into the Bid Schedule

a. Page A-3.4, Item 1.1.06B

Revise the total estimated quantity for Item 1.1.06B as follows:

BID ITEM	TOTAL EST. QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS		UNIT PRICE	EXTENDED TOTAL
1.1.06 B	850 <u>1,100</u>	LF	Furnish and install 6" PVC SDR 35 sewer service connection all depths within City Right of Way , including earth excavation, fittings, backfill, dewatering, curbing and property restoration: _____ Dollars and _____ Cents per	LF		

b. Page A-3.5, Items 1.5.4, 1.5.5, and 1.5.6:

Revise the total estimated quantities for Items 1.5.4, 1.5.5 and 1.6 as follows:

1.5.4	240 <u>220</u>	VF	Furnish and install standard 4' diameter sewer manholes including excavation and backfill: _____ Dollars and _____ Cents per	VF		
1.5.5	36 <u>60</u>	VF	Furnish and install standard 5' diameter sewer manholes including excavation and backfill: _____ Dollars and _____ Cents per	VF		

1.6	§ 12	VF	Furnish and install inside drop structure for sewer manholes: _____ Dollars and _____ Cents per	VF		
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c. Page A-3.7, Item 2.2.30

Revise the Bid Item Number and the Item Description as follows:

2.2.30 2.4.30	30	LF	Furnish and install 30" RCP PVC Drain, all depths, including earth excavation, fittings, backfill, and dewatering: _____ Dollars and _____ Cents per	LF		
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d. Page A-3.10, Item 4.8:

Revise the item description stipulated cost for Item 4.8 as follows:

4.8	1	Allow	Fuel Adjustment and Asphalt Escalation: TWENTY SIXTY THOUSAND _____ Dollars and ZERO Cents per	Allow	\$20,000.00 \$60,000.00	\$20,000.00 \$60,000.00
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e. Page A-3.11 Item 6.1

Revise the description for Item 6.1 as follows:

6.1	3,500	CY (*)	Ledge removal including disposal (includes concrete roadway & masonry structures) (MIN \$80/CY, MAX \$140/CY): _____ Dollars and _____ Cents per	CY (*)		
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f. Page A-3.12 Item 6.5B

Revise the minimum unit cost for Item 6.5B as follows:

6.5B	1	UNIT	Maintenance of Traffic in accordance with the Traffic Control Plan (MIN. \$30,000.00 \$70,000.00): _____ Dollars and _____ Cents per	UNIT		
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g. Page A-3.13, Items 6.12A and 6.12B

Revise the estimated quantity, stipulated unit price, and the stipulated extended price for Items 6.12A and 6.12B as follows:

6.12A	15 1	EA (*)	Remove large trees (24" dia. or larger) where directed: ONE THOUSAND-FOUR HUNDRED TWENTY TWO Dollars and ZERO Cents per	EA (*)	<u>\$1,422.00</u>	<u>\$1,422.00</u>
6.12B	25 17	EA (*)	Remove small trees (less than 24" dia.) where directed: THREE HUNDRED FIFTY Dollars and ZERO Cents per	EA (*)	<u>\$350.00</u>	<u>\$5,950.00</u>

h. Page A-3.13, Items 6.13A and 6.13B

Revise the estimated quantity for Items 6.13A and 6.13B as follows:

6.13A	5 10	EA (*)	Remove large stumps (24" dia. or larger at the cut face) where directed: _____ Dollars and _____ Cents per	EA (*)		
6.13B	15 35	EA (*)	Remove small stumps (smaller than 24" dia. at the cut face) where directed: _____ Dollars and _____ Cents per	EA (*)		

i. Page A-3.14

Add Unit item 6.19 – Temporary Roadway Stabilization Gravels (as directed) after Item 6.16.

6.19	2,500	CY	Temporary roadway stabilization gravels (as directed) (MIN \$10/CY): _____ Dollars and _____ Cents per	CY		
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j. Pages A-3.4 to A-3.18

Remove these pages (the bid schedule) and **Replace** them with Attachment B (revised bid schedule pages A-3.4 to A-3.19). **The Contractor must submit their bid on the revised bid schedule (Attachment B) provided.** All pages A-3.1 to A-3.19 shall be returned. All bids received not on Attachment B will not be accepted.

3. Prosecution of Work

a. Page POW-9, Paragraph 8

Add the following after the last sentence in the paragraph titled “Gas Lines to be replaced”:

New gas mains to be installed and existing gas mains recently replaced by the gas company not shown on the drawings, can be anticipated (but may not be limited to) at the following locations:

Richards Avenue (DWG NO's P-3 to P-5): New 4" plastic gas main to be constructed below the existing sidewalk on the western side of the street (STA Right).

Rockland Street (between Miller Ave and Broad St, DWG NO P-9): Existing gas main location to be reviewed with the Contractor following construction layout and DIGSAFE. The Contractor shall provide any discrepancies from the plans to the Engineer. The Engineer will determine if modifications to the design can accommodate the location of the existing gas main or if the gas main is to be relocated. If gas main is to be relocated, the Contractor may request a preferred alignment.

Miller Avenue (between Lincoln Ave and Rockland St, DWG NO P-12): Though not shown entirely on the plans, this section was replaced and is located approximately 2'-3' from the existing western curb line of the street for the entire length between Lincoln Ave and Rockland St. The Contractor shall anticipate this gas main remaining in place while preparing the bid.

Miller Avenue (between STA 117+30 to Rockland St, DWG NO's P-10 & P-11): New gas main to be installed in the general center of the roadway.

Merrimac Street (between Miller Ave and Broad St): New gas main will be installed either in the general center of the roadway or along the northern curb line of the street per the Contractor's request.

Broad Street (between Rockland St and Lincoln Ave, DWG NO's P-15 & P-16): New gas mains will be installed generally in the center of the roadway.

Highland Street (Between Merrimac St and STA 165+00, DWG NO's P-17 & P-18): New gas main will be installed generally in the center of the roadway.

Highland Street (between Miller St and Broad St, DWG NO P-19): New gas main will be installed along the northern curb line.

It should be noted that the proposed alignments described above are based on the design locations for sewer, water, and drainage and are subject to final review by the Contractor. At the Contractor's request, the proposed gas mains may be adjusted if a more suitable location should exist. Gas lines proposed by the gas company are not shown on the plans. However, the Contractor shall anticipate excavation, backfill, and protection of the new gas mains and service laterals while preparing their bid. Excavation & backfill around, and protection of all gas mains and service laterals are subsidiary and will not be measured for payment.

The Contractor shall anticipate that all new gas mains and services will be installed by the gas company before any sewer, water, and drain installations unless otherwise approved by the owner, and the gas company.

SCHEDULE

The gas company has indicated that they will begin their work on Richards Ave on or around April 1st, 2012 and that the work on Richards Ave will take approximately three weeks to

complete. Work on Miller Ave and Broad St will also take approximately three weeks at each location for the gas company to complete their work. All other areas of relocation work could take anywhere from one to two weeks for the gas company to complete. Week to week scheduling for proposed gas installations may be coordinated between Unutil and the Contractor.

b. Page POW -13, Paragraph 28 – Removal of Trees:

Delete the paragraph and **replace** it with the following:

28. Tree Removal

Prior to the start of work, the City will coordinate to have the trees shown in the Tree Removal Plan removed by Urban Tree Service (the City’s tree removal sub-contractor). Unit prices for tree removal (not including stumps) will be as provided by Urban Tree Service as shown in the bid schedule, without additional markup. Stumps will be cut approximately 1’ above the existing grade and will remain. The Contractor will remove them during the completion of the work (Items 6.13A and 6.13B). No trees will be removed without prior approval from the Mayor’s Blue Ribbon Trees and Public Greenery Committee (City of Portsmouth). This approval will be obtained by the City.

4. Section 01025 - Measurement and Payment

a. Page 01025-4, Paragraph 1.8.1.14:

Revise the paragraph to read as follows:

14. Temporary roadway stabilization materials (crushed gravel or reclaimed asphalt product) unless paid for under separate items.

b. Page 01025-27, Item 4.8 – Asphalt Escalation:

Delete this section completely and replace with the following:

ITEM NO. 4.8: FUEL ADJUSTMENT AND ASPHALT ESCALATION

- A. Method of Measurement
 1. The amount of fuel measured for adjustment will be based on the fuel usage factor of 9 gallons per \$1000 of work completed.
 2. The amount asphalt measured for any eligible escalation will be based on the ton of asphalt placed during that pay period.
- B. Basis of Payment
 1. Fuel adjustment shall be paid as described in the paragraphs below.
 - a. Fuel adjustment will be based on the NHDOT’s monthly published price for fuel and applied to fuel usage as determined by Paragraph A.1 above. Fuel adjustment will be eligible for payment only when monthly published price varies by more than 10% (+/-) from the fixed based price (see paragraph B.1.b).
 - b. The fixed base price of fuel for this Contract, as published on March 16,

- 2012 by NHDOT, will be \$3.838 per gallon.
- c. When the monthly price determined in paragraph (a) is more than 110% of the fixed base price set forth in paragraph (b), the adjustment will be calculated as follows: [monthly price less 110% of the fixed base price] x [fuel usage, as described paragraph A.1].
 - d. When the monthly price determined per paragraph (a) is less than 90% of the fixed base price set forth in paragraph (b), the adjustment will be calculated as follows: [monthly price less 90% of the fixed base price] x [fuel usage, as described paragraph A.1].
2. Asphalt escalation shall be paid as described in the paragraphs below.
- a. Escalation for asphalt placement (all types) is subject to change based on the NHDOT's monthly published price for Asphalt Cement (AC) at the time the asphalt pavement is placed. Asphalt escalation will be eligible for payment when the monthly published price varies by more than 10% (+/-) from the fixed base price (see Paragraph B.2.b).
 - b. The fixed base price of Asphalt Cement, as published on March 15, 2012 by NHDOT, will be \$620.00 per ton.
 - c. The increase/decrease will be calculated as follows (back-up calculation shall be included with payment applications): [AC monthly price **minus** the AC base bid price] x [% AC in mix] x [tons of pavement placed]
 - d. No Adjustment will be made when the price of asphalt cement index varies less than 10%.

c. Page 01025-33, Item 6D – Unknown Utility Crossing

Add the following after Paragraph A.4:

- 5. Excavation, backfill, and protection while crossing new gas mains and service laterals (as described in the POW, Item 3 of this Addendum #1) is subsidiary and will not be measured for payment under this item.

d. Page 01025-34, Item 6E – Repair of Unknown Utility Crossing

Add the following after Paragraph A.3:

- 4. Excavation, backfill, or any other work associated with repairs of the new gas mains or service laterals to be installed (as described in POW, Item #3 of this Addendum #1) will not be measured for payment under this item.

e. Page 01025-42, Item 6.12X – Removal of large and Small trees:

Delete paragraph B.1 and **replace** it with the following paragraph:

- 1. Payment for tree removal will be at the unit price as provided by Urban Tree Service ((603) 332-1246), the City's Contractor for tree removal.

Delete paragraph B.3 and **replace** it with the following paragraph:

3. Removal of stumps for trees removed shall be paid for under Item #6.13X and will not be paid for under this item.

f. Page 01025-44

Add the following Unit Item #6.19 following Item #6.18:

ITEM NO. 6.19: Temporary Gravels for Roadway Stabilization

A. Method of Measurement:

1. Temporary gravels used for roadway stabilization, where directed by the Engineer, will be measured per cubic yard.
2. Measurement will be completed by multiplying the horizontal length by the average width by the average depth.
3. Temporary gravels installed without prior consultation and authorization of the Engineer will not be measured for payment.
4. Temporary gravel needed to provide and maintain smooth surfaces for pedestrian circulation (sidewalks) and driveways is subsidiary and will not be measure for payment.

B. Basis of Payment:

1. Temporary gravels for roadway stabilization will be paid at the Contract unit price per cubic yard.
2. Said unit price shall be considered full compensation for all materials, labor and equipment necessary for the installation, maintenance, and removal of temporary gravels used, in order to maintain a passable, smooth, and rut free roadway surface for vehicular and pedestrian traffic during the completion of the work.
3. Temporary gravel needed to provide and maintain smooth surfaces for pedestrian circulation (sidewalks) and driveways is subsidiary and will not be paid for under this item.

5. Section 02555 – Removal and Replacement of Paving

a. Page 02555-1

Revise Paragraph 1.1.A to read as follows:

A. Work Included:

1. Remove bituminous asphaltic pavement and/or Portland cement pavement, and replace pavement, subgrade, base courses, and surfaces courses.
2. Keep pavement removal to no more than the maximum length specified on page POW-3, Paragraph 3.1.

b. Page 02555-2

Remove paragraph 3.1.E in its entirety and **Replace** it with the following:

- E. Pavement Repairs
 - 1. Provide pavement repairs as shown on the drawings unless otherwise directed by the Engineer.

c. Page 02555-3

Remove paragraph G in its entirety and **replace** it with the following:

- G. Full width pavement Overlay
 - 1. Unless otherwise directed by the Engineer, the Contractor shall furnish a full width overlay from curb to curb or edge of traveled way to edge of traveled way as shown on the drawings.
 - a. Remove and replace, at no additional cost, any deficient (cracked or settled) pavement at locations identified by the Engineer.
 - b. Re-compact settlement areas, at no additional cost (see paragraph H below).
 - c. Mechanically cut or mill all pavement joints beyond the work area
 - d. All driveways shall be mechanically ground (cold planed) or saw cut prior to the installation of pavement overlays. Feathering will not be acceptable.
 - e. Contractor shall be responsible for raising all utility covers and shimming
 - f. Construct all pavement markings as directed

6. Section 02557 – Pavement Reclamation (NH)

a. Page 02557-1

Remove paragraph 1.2.B.1 and **Replace** it with the following paragraph:

- 1. The Contractor shall take samples of the existing material immediately following pavement reclamation. Samples shall be taken every 300 linear feet of roadway reclaimed prior to its removal.

7. Appendix I

Replace the Tree Impact Summary table with the one provided as part of this addendum (Attachment C).

DRAWINGS

8. DWG NO. G-5:

Delete the Sewer Manhole Schedule and **Replace** it with the schedule provided as Attachment D of this addendum.

9. DWG NO. P-5 DMH #110 (6' Dia), DWG NO P-5

Add the following note:

Pay as Item 2.6.6 – 6' Diameter Catch Basins.

CONTRACTOR REQUESTS FOR ADDITIONAL INFORMATION

10. Can you clarify the locations sewer service chimneys?

R: Locations for sewer service chimneys will be determined in the field based on the depth of existing sewer laterals and pipe clearances. Typically chimneys should be used to reduce the amount of excavation, especially where deep ledge excavation is required. However, service laterals need to be installed at a minimum depth of 4 feet and a slope of ¼" per foot (minimum) and as indicated on the drawings.

11. Please confirm the size of sewer manholes #105A and 117.

R: Both sewer manholes shall be 5 foot diameter manholes not 4 foot diameter as described in the Sewer Manhole Schedule (DWG NO. G-5). A revised quantity summary table has been attached as Attachment D of this addendum.

12. Please clarify the number of 6" drainage services proposed. The summary of quantities does not match the services shown on the Utilities Plan.

R: Drain services are shown on the plans for all properties where a drain service connection is anticipated based on available information. The length of pipe shown on the Service Lateral Schedule (DWG NO G-6) and in the bid schedule represents a service for every property, should additional services be requested. The contractor should anticipate that additional services may be added.

13. On DWG NO. P-5, how will the 27" PVC pipe connection from new SMH #106 to existing 27" RCP be paid?

R: The payment of the 27" PVC pipe identified to complete this connection will be paid as Item 1.1.24 – 24" Diameter PVC Pipe.

14. On DWG NO. P-8, is the 30" pipe show PVC or RCP?

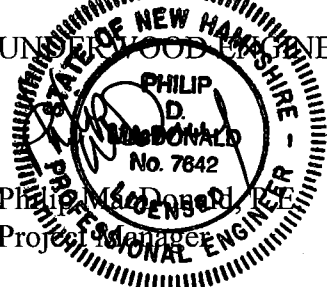
R: The 30" pipe between new CB #116A and existing DMH #ROCKL-1 shall be PVC pipe as shown. Pay as Item 2.4.30 (See Item 2.C of this addendum #1).

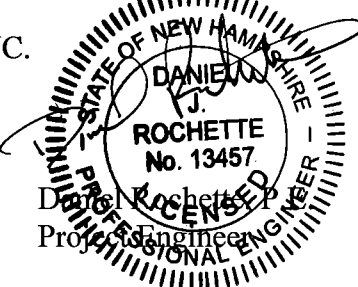
15. Please clarify the thickness for paved driveways.

R: The thickness of paved driveways shall be 2" thickness, single lift unless otherwise directed by the Engineer.

16. How much time should be carried in our bid for downtime when crossing un-anticipated or unmarked utilities?

R: The Contract documents state that the Contractor is to assume that each property has one (1) water, one (1) sewer, and one (1) gas service and that the Contractor needs to consider this (in addition to the other crossings that are shown on the plans) in preparation of their bid. Items 6D and 6E will be used for payment for unanticipated utility crossings as described in Section 01025 and Addendum #1 (Attachment A), Item 20 of the Pre-Bid Meeting Notes.

UNIVERSITY OF NEW HAMPSHIRE ENGINEERS, INC.

Philip McDonald, PE
Project Manager


Daniel Rochette
Project Engineer

Dated March 16, 2012

Attachments included

- Attachment A – Pre-Bid Meeting Notes
- Attachment B – Bid Schedule, Pages A-3.4 to A-3.19
- Attachment C – Tree Removal Schedule
- Attachment D – Sewer Manhole Schedule

(Attachment A of Addendum No.1)

PRE-BID MEETING NOTES

**LINCOLN AREA SEWER SEPARATION – CONTRACT #3B
CITY OF PORTSMOUTH, NH**

**PORTSMOUTH DEPARTMENT OF PUBLIC WORKS
680 PEVERLY HILL ROAD
March 7, 2012 (10:00 a.m.)**

<u>Attendees</u>	<u>Representing</u>	<u>Phone</u>	<u>Email</u>
Peter Rice	City of Portsmouth	766-1416	
Rick Dolce	City of Portsmouth	766-1413	rsdolce@pw.cityofportsmouth.com
Phil MacDonald	Underwood Engineers, Inc.	436-6192	pmac@underwoodengineers.com
Dan Rochette	Underwood Engineers, Inc.	436-6192	drochette@underwoodengineers.com
Tom Seigle	NHDES	271-3325	
Dave Whitney	Albanese Brothers, Inc.	(978) 454-8850	dwhitney@albanesebros.com
Nick Pepe	Albanese D&S, Inc.	(978) 937-9292	bids@albaneseds.com
Ian McCarthy	Sargent Corp.	(207) 827-4435	imccarthy@sargent-corp.com
Mark Rainey	Severino Trucking	483-2133	mrainey@severinotrucking.com
Bob Schulte	SUR Construction	332-4554	bschulte@surconstruction.com
Dick Crow	Methuen Construction	328-2222	mail.esteeming@ methuenconstruction.com
James Watkins	Jamco Excavators	394-7664	bud.jamcoexc@myfairpoint.net
Pete McKenney	Godwin Pumps	(860) 625-3860	pete.mckenney@godwinpumps.com

1. Introduction

Phil MacDonald introduced the project team and gave a brief overview of the project

2. Pre-Qualification of Contractors

The following are pre-qualified and invited to bid on this project:

- Albanese Brothers, Inc. (Dracut, MA)
- Albanese D&S, Inc. (Dracut, MA)
- Methuen Construction Co., Inc. (Salem, NH)
- Sargent Corp. (Stillwater, ME)
- Severino Trucking Co., Inc. (Candia, NH)
- S.U.R. Construction, Inc. (Rochester, NH)

Plans and Specs may be purchased at Underwood Engineers, 25 Vaughn Mall, Portsmouth, New Hampshire, 03801

3. Mandatory Pre-Bid Meeting

Attendance at this meeting is mandatory. Bids from Contractors not in attendance will not be opened.

4. **Project Overview**

The project includes but is not limited to the following items:

- Sanitary sewer installations
- Storm sewer installations
- Water system replacement
- Interior sewer service re-plumbing work (Allowance Item 1.16) and sewer service installation on private property (Item 1.1.06B). See DWG G-10
- Roadway reconstruction:
 - a. Miller Avenues = Full depth reconstruction (approx 30” depth)
 - b. All other streets = Full width reclamation, 10” depth, remove and rehandle
- Curbing and sidewalk repairs and/or re-construction (refer to bid add alternates)
- Modifications to existing sewers and storm drains (connections and tie-ins).
- Combined sewer by-pass piping or pumping operations to maintain existing flows (Item 1.0).
- Temporary water systems as necessary for continuous water service. The exact amount of temporary water system is dependant on the Contractors operations and sequencing. Temporary water systems needed, beyond the amount provided for in Bid Item 3.7 is subsidiary and will not be measured for payment.
- Traffic control and maintenance of traffic as specified (Items 6.5A, 6.5B, 6.6, and 6.7) and must be submitted in advance for the City’s approval
- Preparation and maintenance of a Storm Water Pollution Prevent Plan (SWPPP) (Items 6.8 A & 6.8B).
- Prosecution of the work as outlined in the Project Manual

Other items of note for bidders include:

- Existing concrete roadway with embedded trolley tracks on Miller Avenue will need to be removed (Item 4.4B)
- Installation of storm sewer services (Item 2.1.06)
- Rock removal, approximately 3,500 CY (Item 6.1).
- Blasting Permit Requirements (Appendix E) and Vibration monitoring (Item 6.B)
- Allowance provided for City Plumber to complete interior work (Item #1.16)
- Foundation cores (Items 1.9A, cement, brick & 1.9C, granite)
- Protect trees not listed for removal in Tree Removal Plan, includes penalties for damage to trees designated to remain, reference POW 14, para. 30. The Tree Removal plan is included in Appendix I.
- Location of all existing sewer services by video inspection. The City will initiate the work. Item 1.18 will be used to pay for location by video inspection, in the event the City cannot perform the work
- Maximum allowable length of unpaved road is 1,500 linear feet
- Quantity takeoffs for many of the bid items are included on the construction drawings, final quantities are subjects for review
- An asphalt escalation clause is included (Item 4.8)

5. Available Information

The following information has been included in the Appendix of the project manual:

- Gas Line Record Information (Appendix A)
- Geotechnical Report and boring logs (Appendix B)
- Available sewer service tie sheets (Appendix C)
- Phase 1A Archaeological Sensitivity Report (Appendix D)
- City of Portsmouth Blasting Ordinance (Appendix E)
- Example Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) (Appendix F)
- Pedestrian Warning Signs to be installed as part of this project (Appendix G)
- Information Available upon Request (Appendix H)
- Tree Removal Plan (Appendix I)

The following information is available upon request in support of this project:

- Sewer videos and TV inspection logs.
- House to House basement surveys
- Homeowner Questionnaires
- Sewer manhole data sheets

6. Bids

- Bids to COP Purchasing Department by **2:00 p.m., March 22, 2012**
- Bids will be opened immediately after bids are due in Conference Rom A of Portsmouth City Hall
- Additive Alternates
 1. Furnish and Install 4” concrete sidewalks and traffic signs
- **The apparent low bid will be based on the Engineer’s Estimate of Quantities and Contractor’s Bid for the Total Base Bid plus Additive Alternate #1**
- **The City may elect not to contract for sidewalk work.**

7. Schedule

Completion time for the project will be calculated as calendar days from the date specified in the “Notice to Proceed” as follows:

- 330** Calendar days for **Sewer and Drain Work Substantial Completion** (excluding the 90 day winter shutdown periods).
- 390** Calendar days for **Total Project Substantial Completion** (excluding the 90 day winter shutdown periods).
- 420** Calendar days for **Completion of all work except Final Pavement Overlay**, (excluding the 90 day winter shutdown periods).

Winter shutdown period will begin December 15 and extend to March 15. Work during winter shutdown period is subject to the City’s approval.

8. Funding Requirements

- Funded through local funds and SAG Grant (NHDES).
- Davis-Bacon Wage Rates do not apply
- ARRA By American Requirements do not apply
- MBE/WBE Requirements do not apply
- Note Special Conditions modified NHDES State Standard Conditions (pages SC-2.6 through SC-2.9 of the Project Manual).
 - Insurance – City limits are higher
 - Bonding – City forms

Other

- NHDES will monitor construction of the eligible portions of the project.
- NHDES inspectors shall be granted access to the work areas at all times
- NHDES SAG sign requirement (see Section 01580 of the Project Manual)

9. Prosecution of Work (Division 1 - Section POW)

- Project Specific requirements are included in Section POW of the project manual for the Contractor's reference.

10. Traffic Control (Section 01570)

- The work area is a densely populated residential neighborhood
- Provide detailed traffic control plan for approval prior to the start of work, a blank work plan has been included in the project manual for reference (Item 6.5A)
 - Closures to through traffic will be conditionally allowed
 - Road closures will require approved detour routes and sign packages.
 - Access to residential properties and businesses must be provided at all times:
 - During working hours, local traffic shall be accommodated as well as emergency vehicles, school busses, and trash removal vehicles
 - Suitable detours must be provided
 - During non-working hours roads shall be open at all times to traffic.
 - All excavations shall be backfilled daily and it will not be acceptable to plate excavations overnight.
 - Pedestrian traffic
 - The Lincoln Avenue Area is in close proximity to City Schools of all ages, safe pedestrian travel for children shall be maintained at all times
- Maintain traffic in accordance to approved plan (Item 6.5B)
 - Includes two (2) portable message boards (provided by the Contractor).
- Uniformed Police Officers – Allowance (Item 6.6)
- Flaggers – Hourly (Item 6.7)

11. Work Hours

- The contract time for completion is based on work hours from 7 am to 5 pm. Work prior to 7 am or after 5pm will require approval by the City.
- Any request for permission to work beyond the normal hours stated above must be submitted to the City a minimum of two (2) weeks in advance.

12. Property Access

- Maintain access to all properties at all times, prior notification and coordination with property owners is required for trenching in front of driveways.

13. Community Information (Section 01201)

The Contractor is required to provide the following:

- Bi-weekly: Prepare and post a map of work areas 2 week projection
- Prepare a brief written narrative of upcoming work areas and schedules
 - This information will be posted on the City's website
- Maintain a complaint tracking system (Sample complaint form is provided, section 01201)
- Provide a 24-hour contact person for emergencies
- Attend public informational meetings (2 minimum)

14. Permit Conditions

- NPDES Notice of Intent for Stormwater Discharges Associated with Construction Activity under an NPDES General Permit (EPA sample docs included in Appendix F).

15. Health and Safety Plan

- The Contractor's Health and safety plan including confined spaced entry, air quality monitoring and shoring of trenches shall be onsite and subject to review at the Engineers or Owners request.

16. Geotechnical Report

- Geotechnical Report and boring logs are included in Appendix B, Contractor should review construction considerations included in the geotechnical report

17. Blasting and Vibration Monitoring

- Blasting, if performed, is subject to the City Blasting Ordinance (Appendix E)
- Blasting reports will be required.
- Special care for historic buildings
- Any vibration monitoring completed for the purposes of blasting is considered subsidiary to the rock removal item and will not be considered for payment under Item 6B.

18. Archaeological and Historic Sensitivity

- Portions of the project require excavation in areas that may be archaeologically and historically sensitive. In particular the areas near the intersection of Richards Ave. and Middle St.

- The Contractor shall be responsible for hiring and scheduling Project Archeologist to monitor earthwork operations (See Appendix D of Project Manual) in sensitive areas.
- Contractor or Engineer may also discover other potential archaeological resources in areas not identified on the plans.

19. Maintenance of Active Sewer Lines (Item #1.0)

- Existing sewer lines will remain active until upstream facilities are constructed.
- Combined sewers in the project area are subject to high flows during and following rain events. Contractor will need to consider weather when sequencing construction operations.
- Maintenance of existing combined sewer flows will be the Contractor's responsibility.
- Specifications for By-Pass Pumping and/or piping systems are included Section 01520.
- Short-term methods may be acceptable upon review and approval by the Engineer and/or Owner.
- Contractor's operations will include continuous maintenance of combined sewers until the new systems are installed and accepted.

20. Utilities

Gas

- Gas lines are owned by Unitil.
- Unitil will replace their existing cast iron mains within the project area. The Contractor shall review locations with and coordinate scheduling with the gas company.
- Coordination with Unitil will be required to complete vertical relocations and protect any existing gas main which may interfere with proposed work.

Other

- Underground telephone lines are located on Miller Avenue.
- Conflicts or excavation beneath unknown utilities not identified on the plans or in the contract documents may exist. The Contractor is to assume that each property has one water, one sewer, and one gas service each. Items 6D and 6E are provided to facilitate payment for additional service crossings (more than one of each utility for each property) or for main line utility crossings that are not shown on the drawings, Item 6D or for repairs to utilities (Item #6E) not shown on the drawings and not marked in the field (DIGSAFE). Excavation, backfill and protection of new gas mains and services to be installed by the gas company will not be considered for payment under Items 6D and 6E.

21. Staging Area and Office Trailer

- The Contractor must establish an appropriate staging area.
 - No staging area has been identified
- The Contractor may make arrangements with property owners for additional staging areas.

22. Testing

- Sewers and sewer manholes will be tested including sewer laterals (incidental).
- Water mains and services will be tested for pressure and bacteria requirements.
 - *The Contractor shall coordinate all testing with the City. Bacteriological testing services of new water mains will be provided by the City of Portsmouth Water Department. However, the Contractor will remain responsible for coordination and sampling in advance.*

- Drains are subject to visual observation and shall be cleaned prior to acceptance (incidental).
- Material and compaction testing will be completed of all aggregates under the direction of the Engineer. Contractor shall provide material samples and test reports as required.
- An allowance for soil and compaction testing is included in covered in Item 6.10.

23. Reuse of Materials

- Crushed concrete and reclaimed pavement from the work site may be used as base materials for sidewalk and driveway restoration as long as it meets specified gradations.

24. Raising of Castings, Covers, and Grates

- The Unit price for new structures (CB's, manholes) and valves includes the cost to raise structures once, to either base pavement elevation or finish pavement elevation, as directed by the Engineer.
- Items 1.5A, 2.5A, and 3.4A have been included to raise all new and existing structures a second time, to final grade if required. If structures are only raised once, these items will not be measured for payment.

25. Re-Routing of Interior Plumbing

- Backyard/cross country sewers are being abandoned and filled.
- Some houses will require interior plumbing modifications (Item 1.16)
 - Coordinate work with City's Contracted General Plumber.
 - Work with plumber to determine best location for new foundation penetration.
- Construct new sewer service on private property in the location determined in the field by the homeowner and the Engineer (Item 1.1.06B).
- Restoration of driveway (Item #4.2) and all landscape and hardscape (Item 4.2, 5.1.6, or 5.2 as required) areas impacted to existing conditions.
- See relocation schedule (DWG G-5) and Sewer Service Relocation Work Plan (DWG G-10).

26. Tree Removal

- The Contractor will coordinate tree removal with the City's sub-contractor (Urban Tree Service, Rochester, New Hampshire); payment for tree removal is included in Items 6.12A and 6.12B.
- Only trees marked on the drawings and the Tree Removal Plan (Appendix I) shall be removed.
- Other trees may not be removed without prior authorization from the City, the City's Tree Committee, and the Engineer.
- Trimming shall be completed by the City of Portsmouth after a site walk and participation by the Contractor.
- Trees are typically trimmed providing a height clearance of approximately 14'.

27. Tree Protection

- Contractor will endeavor to prevent damage to all trees to remain.
- All damages sustained by trees will be subject to penalties assessed as described in Paragraph #30 of the Prosecution of Work.

28. Rodent Mitigation

- The City will pre-bait the area before construction and will monitor traps during construction. The Contractor shall endeavor to protect traps during construction and notify the City if traps become inhabited or are in need of attention.

29. Pre Bid Meeting Notes

A copy of the Pre-Bid meeting notes will be included by addendum.

30. Quality of Life

The project is located in a densely populated residential neighborhood with many young families, children, school pedestrian traffic, and a constant volume of walking traffic, the Contractor must carry out the work in a professional and orderly manner. We understand that construction work may not be “clean” but the Contractor shall keep the work area shall as neat as possible to maintain a safe environment for all the residents. Any use of offensive language will not be tolerated.

31. Questions

Q: Is it possible to add a fuel adjustment clause to the Contract?

A: The addition of a fuel adjustment item will be reviewed for consideration

Q: Is there any information available on the gas company’s work schedule?

A: General limits of work and a tentative schedule is described in Item #3 of Addendum #1.

Q: If we are to use the City’s tree removal contractor (Urban Tree Service), how do we obtain a unit price for bidding?

A: The Contractor shall contact Urban Tree Service to obtain unit pricing.

Q: What happens if a homeowner refuses entry during the pre-blast survey?

A: The Contractor should advise the homeowners of the purpose of the pre-blast survey and why it is necessary to document pre-existing conditions and policies concerning claims. Documentation of this information and Contractor’s attempts to gain entry to private property should also be made available to the Engineer and the Owner.

Q: Is any information available on the soil conditions below the limits of reclaim?

A: Boring and probe information is provided in Appendix B of the Project Manual/

Q: Is the Contractor expected to bring in additional material to use as temporary gravels or to replace reclaimed asphalt product contaminated during the completion of the work.

A: Contaminated reclaimed asphalt product will need to be replaced at the Contractor’s cost prior to paving. The use of temporary gravels needed for road stabilization are included in Addendum #1.

(Attachment B of Addendum #1)

A-3.4

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
SCHEDULE 1 - SAG ELIGIBLE ITEMS							
1.0	1	LS	Maintenance of Combined Sanitary and Storm Sewer Flows during construction, including all temporary pumping and piping systems necessary to by-pass live sewers around the work area: _____ Dollars and _____ Cents per	LS		100%	1
1.1.06A	2,700	LF	Furnish and install 6" PVC SDR 35 sewer service connection all depths within City Right of Way , including earth excavation, fittings, backfill, dewatering, curbing and property restoration: _____ Dollars and _____ Cents per	LF		100%	2,700
1.1.06B	1,100	LF	Furnish and install 6" PVC SDR 35 sewer service connection all depths on Private Property , including earth excavation, fittings, backfill, dewatering, curbing/retaining wall and property restoration (hardscaping, landscaping, flower beds ect.): _____ Dollars and _____ Cents per	LF		0%	0
1.1.06C	15	EA	Furnish and install sewer service chimneys including earth excavation, fittings, permanent vertical forms (sonet tube), required insulation, backfill, and dewatering: _____ Dollars and _____ Cents per	EA		100%	15
1.1.08	3,300	LF	Furnish and install 8" PVC SDR 35 sewer pipe all depths, including removal or plugging of existing sewer line, earth excavation, fittings, backfill, and dewatering: _____ Dollars and _____ Cents per	LF		100%	3,300

(Attachment B of Addendum #1)

A-3.5

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
1.1.18	775	LF	Furnish and install 18" PVC SDR 35 sewer pipe all depths, including earth excavation, fittings, backfill, and dewatering: _____ Dollars and _____ Cents per	LF		100%	775
1.1.21	900	LF	Furnish and install 21" PVC SDR 35 sewer pipe all depths, including earth excavation, fittings, backfill, and dewatering: _____ Dollars and _____ Cents per	LF		100%	900
1.1.24	300	LF	Furnish and install 24" PVC SDR 35 sewer pipe all depths, including earth excavation, fittings, backfill, and dewatering: _____ Dollars and _____ Cents per	LF		100%	300
1.5.4	220	VF	Furnish and install standard 4' diameter sewer manholes including excavation and backfill: _____ Dollars and _____ Cents per	VF		100%	220
1.5.5	60	VF	Furnish and install standard 5' diameter sewer manholes including excavation and backfill: _____ Dollars and _____ Cents per	VF		100%	60
1.5A	35	EA(*)	Additional Adjustment of SMH Covers (where directed): _____ Dollars and _____ Cents per	EA(*)		100%	35
1.6	12	VF	Furnish and install inside drop structure for sewer manholes: _____ Dollars and _____ Cents per	VF		100%	12

(Attachment B of Addendum #1)

A-3.6

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
1.8	1,000	LF (*)	Furnish and install geotextile wrap around sewer bedding stone and pipe (in trench) where directed in accordance with the standard details: _____ Dollars and _____ Cents per	LF (*)		100%	1,000
1.9A	15	EA (*)	Field core sewer manholes and foundation penetrations for sewer service relocations (4" - 15" diameter pipe) including pipe connection system: _____ Dollars and _____ Cents per	EA (*)		30%	5
1.9B	2	EA (*)	Field core sewer manholes (larger than 18" diameter pipe) including pipe connection system: _____ Dollars and _____ Cents per	EA (*)		100%	2
1.9C	15	EA (*)	Field core foundation penetration (6" to 8") through stone or granite foundations for sewer service relocations including pipe connection system: _____ Dollars and _____ Cents per	EA (*)		100%	15
1.10	10	EA (*)	Remove sewer manholes including backfill, disposal of concrete, and salvage of frames and covers to City: _____ Dollars and _____ Cents per	EA (*)		100%	10
1.11	200	CY (*)	Furnish and install flowable fill where directed: _____ Dollars and _____ Cents per	CY (*)		100%	200
1.12	500	LF (*)	Well-Point Dewatering System (where directed) (MIN \$15/LF): _____ Dollars and _____ Cents per	LF (*)		100%	500

(Attachment B of Addendum #1)

A-3.7

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
1.13	1,000	SF (*)	Sheeting (MIN \$10/SF): ____ Dollars and ____ Cents per			100%	1,000
1.16	1	Allow	Rework interior plumbing: THIRTY THOUSAND Dollars and ZERO Cents per	\$30,000.00	\$30,000.00	0%	\$0
1.17	5,275	LF	Post Construction Video of Sewer Mains (Section 01382): ____ Dollars and ____ Cents per			0%	0
1.18	80	EA	Locate existing sewer service by Video Inspection, transmitter and locator (Section 01382) : ____ Dollars and ____ Cents per			100%	80
2.1.06	2,900	LF (*)	Furnish and install 6" CPDT drain service connection all depths, including earth excavation, fittings, backfill, dewatering, curbing and property restoration: ____ Dollars and ____ Cents per			100%	2,900
2.1.12	2,600	LF	Furnish and install 12" CPE, all depths, including earth excavation, fittings, backfill, and dewatering: ____ Dollars and ____ Cents per			100%	2,600
2.1.15	400	LF	Furnish and install 15" CPE, all depths, including earth excavation, fittings, backfill, and dewatering: ____ Dollars and ____ Cents per			100%	400
2.1.18	100	LF	Furnish and install 18" CPE, all depths, including earth excavation, fittings, backfill, and dewatering: ____ Dollars and ____ Cents per			100%	100

(Attachment B of Addendum #1)

A-3.8

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
2.1.24	2,250	LF	Furnish and install 24" CPE, all depths, including earth excavation, fittings, backfill, and dewatering: ____ Dollars and ____ Cents per	LF		100%	2,250
2.2.24x38	400	LF	Furnish and install 24"x38" HE-Class IV Elliptical RCP, all depths, including earth excavation, fittings, backfill, and dewatering: ____ Dollars and ____ Cents per	LF		100%	400
2.4.30	30	LF	Furnish and install 30" PVC Drain, all depths, including earth excavation, fittings, backfill, and dewatering: ____ Dollars and ____ Cents per	LF		100%	30
2.5.4	50	VF	Furnish and install 4' diameter drain manhole including excavation and backfill: ____ Dollars and ____ Cents per	VF		100%	50
2.5.5	15	VF	Furnish and install 5' diameter drain manhole including excavation and backfill: ____ Dollars and ____ Cents per	VF		100%	15
2.5A	15	EA(*)	Additional Adjustment of DMH Covers (where directed): ____ Dollars and ____ Cents per	EA(*)		100%	15
2.6.4	380	VF	Furnish and install standard 4' diameter catch basin including excavation and backfill: ____ Dollars and ____ Cents per	VF		100%	380

(Attachment B of Addendum #1)

A-3.9

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
2.6.5	10	VF	Furnish and install standard 5' diameter catch basin including excavation and backfill: _____ Dollars and _____ Cents per	VF		100%	10
2.6.6	10	VF	Furnish and install standard 6' diameter catch basin including excavation and backfill: _____ Dollars and _____ Cents per	VF		100%	10
2.6.24x38	2	EA	Furnish and install 24" x 38" Class HE-IV Elliptical Pipe with CB Riser: _____ Dollars and _____ Cents per	EA		100%	2
2.6A	40	EA	Furnish and install catch basin hood (12" through 18" diameter outlet pipes or as directed): _____ Dollars and _____ Cents per	EA		100%	40
2.8	1,000	LF (*)	Furnish and install geotextile wrap around drain bedding stone and pipe (in trench) where directed : _____ Dollars and _____ Cents per	LF (*)		100%	1,000
2.9A	10	EA (*)	Field core drain manholes or catch basins, 4" - 15" dia pipe: _____ Dollars and _____ Cents per	EA (*)		100%	10
2.9B	2	EA (*)	Field core drain manholes or catch basins, 18" and larger diameter pipe: _____ Dollars and _____ Cents per	EA (*)		100%	2
2.10	10	EA (*)	Remove drain manholes or catch basins including fill materials and disposal of cone section and salvage of frames and cover or grate to DPW: _____ Dollars and _____ Cents per	EA (*)		100%	10

(Attachment B of Addendum #1)

A-3.10

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
3.7	1,600	LF(*)	Temporary Water System (potable): ____ Dollars and ____ Cents per	LF(*)		50%	800
4.1A	3,500	TON	Furnish and install bituminous pavement - Machine Method (Binder Course): ____ Dollars and ____ Cents per	TON		75%	2,625
4.1B	1,500	TON	Furnish and install bituminous pavement - Machine Method (Wearing Course): ____ Dollars and ____ Cents per	TON		75%	1,125
4.2	1,000	TON	Hot bituminous pavement, hand worked: ____ Dollars and ____ Cents per	TON		75%	750
4.3	16,200	SY	Full width pavement reclamation-10" depth (REMOVE AND REHANDLE): ____ Dollars and ____ Cents per	SY		75%	12,150
4.4A	4,500	CY	Common excavation (Roadway): ____ Dollars and ____ Cents per	CY		100%	4,500
4.4B	1,200	CY	Excavation and disposal of Heavily Reinforced Concrete (Miller Ave roadbed with integrated concrete curb): ____ Dollars and ____ Cents per	CY		100%	1,200
4.4C	200	CY (*)	Excavation and disposal of wire reinforced or unreinforced concrete (misc. concrete panels, curbing and brick paver masonry): ____ Dollars and ____ Cents per	CY (*)		75%	150

(Attachment B of Addendum #1)

A-3.11

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
4.5.1A	1,000	CY (*)	Furnish and install crushed gravel (Roadway): ____ Dollars and ____ Cents per			100%	1,000
4.5.1B	600	CY (*)	Furnish and install crushed gravel (Drives): ____ Dollars and ____ Cents per			100%	600
4.5.2	2,000	CY	Furnish and install bank-run gravel (where shown or as directed): ____ Dollars and ____ Cents per			100%	2,000
4.6	5,000	SY (*)	Furnish and install construction geotextile fabric (where directed): ____ Dollars and ____ Cents per			100%	5,000
4.7	200	SY (*)	Cold planing existing pavement: ____ Dollars and ____ Cents per			100%	200
4.8	1	Allow	Fuel Adjustment and Asphalt Escalation: SIXTY THOUSAND Dollars and ZERO Cents per	\$60,000.00	\$60,000.00	100%	\$60,000
4.9	1,000	LF (*)	Mechanical (saw) cutting: ____ Dollars and ____ Cents per			100%	1,000
5.1.6	200	SY	6" concrete sidewalk curb ramps and driveways: ____ Dollars and ____ Cents per			16%	32
5.3.1	2,450	LF	Furnish and install vertical straight granite curb (5" x 18"): ____ Dollars and ____ Cents per			75%	1,838

(Attachment B of Addendum #1)

A-3.12

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
5.3.3	900	LF	Furnish and install vertical radius granite curb: _____ Dollars and _____ Cents per			0%	0
5.4	7,450	LF	Reset vertical straight granite curb: _____ Dollars and _____ Cents per			100%	7,450
6A	1	LS	Mobilization (not to exceed 10% of total base bid) : _____ Dollars and _____ Cents per			75%	0.75
6B	1	Allow	Vibration Monitoring: TWENTY THOUSAND Dollars and ZERO Cents per	\$20,000.00	\$20,000.00	100%	\$20,000
6C	1	Allow	Archeological monitoring and delays: FIVE THOUSAND Dollars and ZERO Cents per	\$5,000.00	\$5,000.00	100%	\$5,000
6D	20	EA (*)	Unknown utility crossing: _____ Dollars and _____ Cents per			75%	15
6E	20	EA (*)	Repair of unknown or mismarked utility: _____ Dollars and _____ Cents per			75%	15
6.1	3,500	CY (*)	Ledge removal including disposal (MIN \$80/CY, MAX \$140/CY): _____ Dollars and _____ Cents per			100%	3,500
6.2A	500	CY (*)	Additional excavation below grade (where ordered by Engineer) : _____ Dollars and _____ Cents per			100%	500

(Attachment B of Addendum #1)

A-3.13

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
6.2B	500	CY (*)	Excavation and disposal of unsuitable materials, where ordered by Engineer (includes peat, muck, stumps and misc. wood debris): ____ Dollars and ____ Cents per			100%	500
6.3	200	CY (*)	Furnish and install additional screened gravel (crushed stone) (where ordered by Engineer): ____ Dollars and ____ Cents per			100%	200
6.4	50	EA (*)	Exploratory test pit excavation (as shown <u>and</u> where directed by Engineer): ____ Dollars and ____ Cents per			100%	50
6.5A	1	UNIT	Prepare a Traffic Control Plan: ____ Dollars and ____ Cents per			100%	1
6.5B	1	UNIT	Maintenance of Traffic in accordance with the Traffic Control Plan (MIN. \$70,000.00): ____ Dollars and ____ Cents per			50%	0.5
6.6	1	Allow	Uniformed officer (Allowance): FORTY THOUSAND Dollars and ZERO Cents per	\$40,000.00	\$40,000.00	100%	\$40,000
6.7	5,000	HRS (*)	Uniformed flagger for traffic control: ____ Dollars and ____ Cents per			100%	5,000
6.8A	1	UNIT	Develop an erosion control and stormwater pollution prevention plan (SWPPP) for approval and obtain NPDES Construction permit: ____ Dollars and ____ Cents per			100%	1

(Attachment B of Addendum #1)

A-3.14

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
6.8B	1	UNIT	Implement and maintain approved erosion control plan and SWPPP: _____ Dollars and _____ Cents per			100%	1
6.9	100	LF (*)	Remove and dispose of Asbestos Cement pipe, all diameters including earth excavation, backfill, disposal, and dewatering: _____ Dollars and _____ Cents per			100%	100
6.10	1	Allow	Allowance for geotechnical testing: <u>TEN THOUSAND</u> Dollars and <u>ZERO</u> Cents per	\$10,000.00	\$10,000.00	100%	\$10,000
6.11	1	Allow	Replace deciduous trees (as requested by the Owner): <u>FIFTEEN THOUSAND</u> Dollars and <u>ZERO</u> Cents per	\$15,000.00	\$15,000.00	100%	\$15,000
6.12A	1	EA (*)	Remove large trees (24" dia. or larger) where directed: <u>ONE THOUSAND-FOUR HUNDRED TWENTY</u>	\$1,422.00	\$1,422.00	75%	1
6.12B	17	EA (*)	<u>TWO</u> Dollars and <u>ZERO</u> Cents per Remove small trees (less than 24" dia.) where directed: <u>THREE HUNDRED FIFTY</u> Dollars and <u>ZERO</u> Cents per	\$350.00	\$5,950.00	75%	13
6.13A	10	EA (*)	Remove large stumps (24" dia. or larger at the cut face) where directed: _____ Dollars and _____ Cents per			75%	8
6.13B	35	EA (*)	Remove small stumps (smaller than 24" dia. at the cut face) where directed: _____ Dollars and _____ Cents per			75%	26
6.14.0224	500	LF (*)	Furnish and install 2" thick x 24" wide rigid polystyrene insulation: _____ Dollars and _____ Cents per			75%	375

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
6.15	20,000	lbs (*)	Calcium chloride for dust control: ____ Dollars and ____ Cents per	lbs (*)		75%	15,000
6.16	9,000	SY	Turf Establishment including preparation and fine grading of sub grade, loam placement and grading, seeding & mulch (hydraulic): ____ Dollars and ____ Cents per	SY		75%	6,750
6.19	2,500	CY	Temporary roadway stabilization gravels (as directed) (MIN \$10/CY): ____ Dollars and ____ Cents per	CY		75%	1,875

SUBTOTAL - SCHEDULE 1 SAG ELIGIBLE

SCHEDULE 2 - SAG NON ELIGIBLE WORK

3.1.06	100	LF (*)	Furnish and install, 6" diameter ductile iron watermain including earth excavation, fittings not paid for under another item, backfill, insulation, dewatering and testing: ____ Dollars and ____ Cents per	LF (*)		0%	0
3.1.08	5,700	LF	Furnish and install, 8" diameter ductile iron watermain including earth excavation, fittings not paid for under another item, backfill, insulation, dewatering and testing: ____ Dollars and ____ Cents per	LF		35.8%	2,041
3.1.12	1,350	LF	Furnish and install, 12" diameter ductile iron watermain including earth excavation, fittings not paid for under another item, backfill, insulation, dewatering and testing: ____ Dollars and ____ Cents per	LF		0%	0

(Attachment B of Addendum #1)

A-3.16

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
3.2A	2,850	LF	Furnish and install, 3/4" copper water service pipe including earth excavation, backfill, insulation, dewatering and testing: _____ Dollars and _____ Cents per	LF		0%	0
3.2B	190	LF (*)	Furnish and install, 1" copper water service pipe including earth excavation, backfill, insulation, dewatering and testing: _____ Dollars and _____ Cents per	LF (*)		0%	0
3.3A	110	EA	Furnish and install, 3/4" water service connections, including earth excavation, backfill, insulation, dewatering and testing: _____ Dollars and _____ Cents per	EA		0%	0
3.3B	5	EA(*)	Furnish and install, 1" water service connections, including earth excavation, backfill, insulation, dewatering and testing: _____ Dollars and _____ Cents per	EA(*)		0%	0
3.4.08	25	EA	Furnish and install, 8" gate valve assembly including earth excavation, fittings not paid for under another item, backfill, insulation, dewatering and testing: _____ Dollars and _____	EA		0%	0
3.4.12	7	EA	Furnish and install, 12" gate valve assembly including earth excavation, fittings not paid for under another item, backfill, insulation, dewatering and testing: _____ Dollars and _____	EA		0%	0

(Attachment B of Addendum #1)

A-3.17

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
3.4A	35	EA (*)	Additional Adjustment of gate valve boxes and shutoffs (to final pavement elevation): _____ Dollars and _____ Cents per	EA (*)		0%	0
3.5	8	EA	Furnish and install, hydrant assembly including anchoring tee, gate valve, pipe extension, backfill, insulation, dewatering and testing: _____ Dollars and _____ Cents per	EA		0%	0
3.6	3	EA (*)	Removal of existing hydrant assembly including excavation, backfill, capping existing branch piping for abandonment: _____ Dollars and _____ Cents per	EA (*)		0%	0
5.1.4	250	SY	Furnish and install 4" concrete sidewalk (fiber reinforced): _____ Dollars and _____ Cents per	SY		0%	0
5.2	150	SY (*)	Replace brick sidewalk (as directed): _____ Dollars and _____ Cents per	SY (*)		0%	0
5.3.2	100	LF (*)	Furnish and install vertical straight granite curb (6" x 24"): _____ Dollars and _____ Cents per	LF (*)		0%	0
5.5	190	SF	ADA compliant detectable warning panels: _____ Dollars and _____ Cents per	SF		0%	0
6.1	300	CY (*)	Ledge removal including disposal (water): _____ Dollars and _____ Cents per	CY (*)		0%	0

(Attachment B of Addendum #1)

A-3.18

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
6.6	1	Allow	Uniformed officer (Allowance): <u>TEN THOUSAND</u> Dollars and <u>ZERO</u> Cents per	\$10,000.00	\$10,000.00	0%	0
6.7	1,000	HRS (*)	Uniformed flagger for traffic control: ____ Dollars and ____ Cents per	HRS (*)		0%	0
6.17	500	LF (*)	Remove and relocate existing fences: ____ Dollars and ____ Cents per	LF (*)		0%	0
6.18	1	Allow	Traffic signal modification or restoration (Allowance): <u>TEN THOUSAND</u> Dollars and <u>ZERO</u> Cents per	\$10,000.00	\$10,000.00	0%	0
632.0104	20,000	LF	Retroreflective paint marking, 4" line: ____ Dollars and ____ Cents per	LF		0%	0
632.3112	2,000	LF	Retroreflective paint marking, 12" line: ____ Dollars and ____ Cents per	LF		0%	0
SUBTOTAL - SCHEDULE 2 SAG NON ELIGIBLE							
TOTAL BASE BID (SCHEDULE 1 + SCHEDULE 2)							

(Attachment B of Addendum #1)

A-3.19

BID ITEM	TOTAL ESTIMATED QTY	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE IN WORDS	UNIT PRICE	EXTENDED TOTAL	ENGINEER'S USE ONLY	
						PERCENT ELIGIBLE (SAG)	ELIGIBLE QUANTITY
ADDITIVE ALTERNATE NO. 1 - CONCRETE SIDEWALKS							
5.1.4	5,950	SY	Furnish and install 4" concrete sidewalk, fiber reinforced (minimum amount = \$20.00/SY): _____ Dollars and _____ Cents per	SY		8.4%	500
615.03	90.0	SF	Traffic sign, Type C: _____ Dollars and _____ Cents per	SF		0%	0
615.06	22	SF	Traffic sign, Type CC: _____ Dollars and _____ Cents per	SF		0%	0
SUBTOTAL ADDITIVE ALTERNATE NO. 1 - CONCRETE SIDEWALKS							
TOTAL BASE BID AMOUNT + ADD ALT. NO. 1 (SIDEWALKS)							

Notes to Bidders:

1. The Contractor must be prequalified. Bids from unqualified Contractors will not be accepted.
2. The **lowest bid and basis of award** will be based on Engineers Estimate of Quantities and Contractor's Bid for the Total Base Bid plus Additive Alternate #1 . However, the Owner my elect to complete only the Total Base Bid work and not complete sidewalk work.
3. (*) means indeterminate quantity
4. The owner reserves the right to waive any informalities or minor defects or reject any and all bids and to take any other action that is in the best interest of the Owner.
5. If additive alternate (sidewalks) is accepted, 30 calendar days will be added to the substantial completion and final completion of the project.

Lincoln Area Sewer Separation - Contract #3B
Portsmouth, New Hampshire

Tree Removal Schedule

Tax Map	Lot	Property		Tree Type and Size	Picture Number	Description of Work	Figure #
		No.	Street				
135	9	52/54	Highland	10" Maple	35	Remove	1
134	24	-	Highland	24" Maple	34	Remove	2
130	34	212	Miller	12" Deciduous	23	Remove	3
130	34	220	Miller	13" Deciduous	22	Remove	3
130	33	238	Miller	10" Maple	21	Remove	3
130	33	238	Miller	12" Maple	20	Remove	3
129	13	293	Rockland	14" Maple	31	Remove ³	4
129	13	293	Rockland	19" Maple	32	Remove ³	4
129	23	67	Miller	18" Maple	29	Remove	5
130	57	315	Richards	6" Maple	18	Remove	6
130	49	296	Richards	12" Deciduous	17	Remove	6
129	4	204/ 206	Rockland	18" Maple	16	Remove	7
129	4	204/ 206	Rockland	8" Deciduous	14	Remove	7
129	42	197	Richards	10" Maple	12	Remove	7
129	29	182	Richards	Deciduous	11	Remove	8
129	40	165	Richards	18" Maple	9	Remove	8
128	9	97	Richards	18" Maple	4	Remove	9
128	5	69	Richards	20" Cedar	2	Remove	9

Notes:

- 1) Trees will be cut by Urban Tree Service under items 6.12A and 6.12B.
- 2) Stumps will be removed by the Contractor under Items 6.13A and 6.13B.
- 3) The homeowner has requested to keep wood from trees removed. Urban Tree Service to cut wood into four foot lengths and stack at edge of property . City of Portsmouth to coordinate with property owner.

(Attachment D of Addendum No. 1)

SEWER MANHOLE SCHEDULE

Manhole #	Street	Item #1.5.4:	Item #1.5.5:	Item #1.6:
		4' Dia. (VF)	5' Dia. (VF)	Drop (VF)
100A	Rockland St.	5.4		
103	Richards Ave.	7.3		
104	Richards Ave.	8.1		
104A	Richards Ave.	7.7		
104B	Richards Ave.	8.0		
105	Richards Ave.	9.8		
105A	Richards Ave.		10.2	2.7
106	Richards Ave.		7.8	
109	Rockland St.	5.3		
111	Rockland St.	8.0		
112	Miller Ave.		12.5	4.0
113	Rockland St.	7.3		
114	Rockland St.	7.9		
115	Miller Ave.		14.1	
116	Miller Ave.	13.8		
117	Miller Ave.		10.7	4.1
118	Miller Ave.	9.6		
119	Miller Ave.	8.5		
119A	Miller Ave.	9.1		
120	Miller Ave.	7.0		
121	Miller Ave.	7.1		
122	Merrimac St.	8.2		
123	Merrimac St.	7.2		
124	Merrimac St.	6.6		
125	Broad St.	6.2		
126	Broad St.	7.1		
127	Broad St.	6.7		
128	Broad St.	6.1		
129	Broad St.	7.3		
130	Broad St.	7.0		
131	Broad St.	7.0		
132	Broad St.	6.5		
132A	Highland Ave.	6.1		
Sub-Total:		211.9	55.3	10.8
Rounding:		8.1	4.7	1.2
TOTAL EST. QTY:		220.0	60.0	12.0