ADDENDUM NO. 3

TO

BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS

FOR THE

SAGAMORE AVENUE SEWER EXTENSION

WP PROJECT NO. 11304C

8/5/2021

PREPARED BY:

WRIGHT-PIERCE

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SAGAMORE AVENUE SEWER EXTENSION

ADDENDUM NO. 3

WP PROJECT NO. 11304C

As a point of clarification, it should be understood that the Contract Documents govern all aspects of the project. Discussions held during the Pre-Bid Conference or over phone or email are informal and informational only. All official changes to the Contract Documents are made only by addenda. The following changes and additional information are hereby made a part of the Contract Documents:

A pre-bid conference was held on July 29, 2021 at 11 AM. The agenda of the pre-bid conference is included in **Attachment 1** to this Addendum. In attendance at the pre-bid conference is summarized in the sign-in sheet that is included in **Attachment 2** to this Addendum.

SPECIFICATIONS

1. Specification Section NHDES Front End Part A – Information For Bidders: In the DAVIS BACON WAGE RATES section Following "Both the 'Heavy' General Wage Decision (GWD) for Rockingham County, NH25, publication date" DELETE "2/12/2021" and REPLACE with "7/16/2021."
2. Specification Section NHDES Front End Part A – Information For Bidders: In the DAVIS BACON WAGE RATES section Following "The following guidance is for classifications/rates missing from 'Heavy' GWD, NH25, publication date" DELETE "2/12/2021" and REPLACE with "7/16/2021."
3. Specification Section NHDES Front End Part A – Bid Schedule: **ADD** after Base Bid note that start with "* Indeterminate quantities …" the following sentences "PVC SDR 21 is an acceptable alternative to HDPE SDR 11, for any bid descriptions above that state 'HDPE', it now means that the term 'HDPE' can mean either 'HDPE' or 'PVC'.".
4. Specification Section NHDES Front End Part A – Bid Schedule: **ADD** after Bid Alternate No. 3 note that start with "* Indeterminate quantities …" the following sentences "PVC SDR 21 is an acceptable alternative to HDPE SDR 11, for any bid descriptions above that state 'HDPE', it now means that the term 'HDPE' can mean either 'HDPE' or 'PVC'.".
5. Specification Section NHDES Front End Part C, SC-60: **DELETE** the following sentence "n. New Hampshire Department of Transportation (NHDOT) Road Opening Permit." **REPLACE** with "n. New Hampshire Department of Transportation (NHDOT) Excavation Permit (Long Form) with sample surety bond."
6. Specification Section NHDES Front End Part D, Davis Bacon Wage Rates: **DELETE** the Heavy wage rates in its entirety and **REPLACE** with Heavy wage Rates dated July 16, 2021 which is included in Attachment 3.
7. Specification Section 01150 – Measurement and Payment: **ADD** after paragraph 1.9.B the following "C. PVC SDR 21 is an acceptable alternative to HDPE SDR 11, for any bid descriptions below that state 'HDPE', the term 'HDPE' now represents either

'HDPE' or 'PVC'." Since the contract was designed around HDPE pipe if PVC SDR 21 piping is used in lieu of HDPE for low pressure sewers, the PVC piping, fittings, and adapters will be provided at no additional cost to the Owner. Only one pipe material shall be accepted for Base Bid and/or Bid Alternate No. 4."

8. Specification 02621 – Polyvinyl Chloride (PVC) Pressure Pipe: **ADD** entire Specification Section 02621 to the Specifications, which is included in Attachment 4.
9. Appendix C – Permits: **ADD** NHDOT Excavation Permit (Long From), which is included in Attachment 5.
10. Appendix D – Permits: **ADD** NHDOT Sample Surety Bond, which is included in Attachment 6.

DRAWINGS

1. Sheet C-1: **ADD** Civil Site Piping note no. 10 "10. PVC SDR 21 is an acceptable alternative in place of using HDPE SDR 11 for low pressure sewers throughout the project. If PVC SDR 21 piping is used in lieu of HDPE for low pressure sewers, the PVC piping, fittings, and adapters will be provided at no additional cost to the Owner. Only one pipe material shall be accepted for Base Bid and/or Bid Alternate No. 3.
2. Sheet C-6: ADD "CORE THROUGH FOUNDATION WALL" AND "INSTALL INDOOR PLUMBING TO REDIRECT OUTSIDE FOUNDATION WALL" to property 695 Sagamore Avenue.
3. Sheet C-17: **ADD** to NHDOT Maintained Roads Final Trenching Paving With Mill and Overlay Detail the new NHDOT paving number "403.11023" after call out that starts with "3-inch Hot Bit Pavement, Machine Method (19 MM, …" and the new NHDOT paving number "403.11043" after call out that starts with "1.5-inch Hot Bit Pavement, Machine Method (12.5 MM, …".

QUESTIONS AND ANSWERS

Questions from the Contractors received during or prior to the pre-bid meeting held on July 29, 2021:

1. *Q: What permit forms does NHDOT require?*

   A: NHDOT requires the Contractor to submit the following after they are awarded the contract:
   - Long Form Excavation Permit (include all supplemental info for environmental checklist)
   - $50,000 Surety Bond – including original hard copy
   - Final Plans – 1 full size and 1 half size
   - Traffic Control Plan – should reference to MUTCD and any Typical Applications (TA's) that will be followed

2. *Q: Which properties with anticipated plumbing improvements have finished basements? What are the approximate lengths of plumbing improvements at each property?*

   A: All plumbing repairs are anticipated at properties with unfinished basements. The following properties are anticipated to have the plumbing redirected with the approximate footage of new plumbing shown in the (): 3 Sagamore Grove (15 LF), 695 Sagamore Avenue (40 LF), 171 Walker Bungalow Road (10 LF), & 96 Cliff Road (35 LF). Please note, distances are approximate and shall be field verified by the Contractor prior to purchasing materials or performing any alteration to materials.

3. *Q: How far are the existing electrical circuit breakers from the proposed pump stations?*

   A: If the pumps are located more than 25 feet from the pump station disconnect located on the outside of the property, this was described in Specification 11305. Additional information on the distance from the existing circuit breaker is included as Attachment 7 to this Addendum. These items are for approximation purposes only, final distances and alignment of new wiring will be determined in the field.

4. *Q: What is the status of the private property outreach?*

   A: If work is shown outside the City right-of-way, then the property owner has expressed interest in connecting to the proposed sewer as part of the construction phase of the Sagamore Avenue project. Once the City of Portsmouth has bid prices in hand, the City Council will make a decision on cost apportionment. The cost apportionment decision will affect how much each property owner is paying toward grinder pump, electrical improvements, sewer lateral, and restoration. Until this City Council decision is complete, the City cannot ensure which property owners will choose to connect. The Contractor will be paid entirely by the City. As noted in the Specifications, the City will be required to obtain a Memorandum of Understanding from each property owner before construction can begin on each private property.

5. *Q: Is a separate excavation permit required for each private property?*

   A: An excavation permit is required for the Right of Way Work only. The Memorandum of Understanding between the City and each property owner will cover the permission to perform excavation at each private property.

END OF ADDENDUM NO. 3

Attachments Follow:

- The pre-bid conference agenda – Attachment 1
- The pre-bid conference sign-in sheet – Attachment 2
- Heavy Wage Rates, dated July 16, 2021 – Attachment 3
- Specification 02621 PVC Pressure Pipe – Attachment 4
- NHDOT Excavation Permit (Long Form) – Attachment 5
- NHDOT Sample Surety Bond – Attachment 6
- Distances from the Existing Circuit Breakers – Attachment 7

ADDENDUM NO. 3

TO

SAGAMORE AVENUE SEWER EXTENSION

CITY OF PORTSMOUTH, NEW HAMPSHIRE

AUGUST 4, 2021

ATTACHMENT 1

CITY OF PORTSMOUTH, NH
SAGAMORE AVENUE SEWER EXTENSION PROJECT

PRE-BID CONFERENCE
July 29, 2021; 11:00 A.M.

1. Identifications

Owner:	City of Portsmouth 680 Peverly Hill Road, Portsmouth, NH 03801 Telephone: (603) 766-1421 Contact: Terry Desmarais, PE, City Engineer Telephone: (603) 610-7304 Contact: Zach Cronin, EIT, Asst. City Engineer
Engineer:	Wright-Pierce 230 Commerce Way, Portsmouth, NH 03801 Telephone: (603) 430-3728 Contact: Michael Theriault, PE, Project Manager 603-606-4435, mike.theriault@wright-pierce.com Kevin Garvey, PE, Lead Project Engineer 603-570-7102, kevin.garvey@wright-pierce.com

2. General Project Scope:
   - Base Bid: Furnish and Install approximately 8,500 LF of new sewer – 500 LF of 8-inch Gravity and 8,000 LF of 2- or 3-inch low pressure sewer systems; approximately 600 LF of new 8-inch water main; Decommission of existing leaching basins in the ROW on Sagamore Grove; private property septic inspections & 4,220 CY of ledge are anticipated
   - Bid Alt No. 1 – Water Services for Sagamore West (Ineligible Items for CWSRF loan)
   - Bid Alt No. 2 – Sagamore Ave. Sidewalk and Catch Basins (Ineligible Items for CWSRF loan)
   - Bid Alt No. 3 – Construction on up to 65 Private Properties (Ineligible Items for CWSRF loan at this time)

3. Objectives:
   - The purpose of the Pre-Bid Conference is to answer questions from potential bidders relating to the contract documents.
   - **This Pre-Bid Conference is mandatory; prospective Bidders shall sign the attendance sheet if they want their bid to be accepted**. This attendance sheet will be attached to the next issued addenda.
   - It is extremely important to note that bids must be based solely on information contained in the contract documents, including any addenda. Nothing stated in this meeting modifies the contract documents unless it is followed up in the context of an Addendum to the contract documents. Oral statements may not be relied upon and will not be binding or legally effective.

4. Bid Opening:
   - Sealed bids will be received at **City of Portsmouth Finance Department, 1 Junkins Avenue, Portsmouth, NH 03801** until **2:00 PM** on **August 12, 2021**. Bids will be publicly opened and read aloud.

5. An addendum will be issued following this meeting. Anticipated items include:
    - City is Open to LPSS Pipe as HDPE or Pressure Class PVC
    - NHDOT Pavement Details Note Updates
    - Blank NHDOT Excavation Permit & NHDOT surety bond requirements ($50,000)
    - Pre-Bid Meetings

6. All questions shall be submitted to Zach Cronin in writing via email – ZMCronin@CityofPortsmouth.com.

7. The locations of this project are Sagamore Avenue, Shaw Road, Walker Bungalow Road, Cliff Road, Wentworth House Road, and Sagamore Grove, located in Portsmouth, NH. The work is summarized in Section 01010 of the specifications

8. The project is expected be funded in part by the State of New Hampshire State Aid Grant and Clean Water State Revolving Loan Fund (CWSRF) which is in part or whole funded by the US EPA or the State of New Hampshire. All work must be performed in accordance with Federal and State Law, and requirements of the funding agency. Requirements related to CWSRF funding include, Davis-Bacon Wage Rates, American Iron and Steel and DBE/MBE/WBE goals. Refer to NHDES Front End Documents.

9. Bids shall be submitted in accordance with the Instructions to Bidders and shall include the following attachments:
    - Confirmation of all addenda (Contractor is responsible for ensuring that all addenda have been reviewed.)
    - Completed Bid Form
    - Bid Security (10% of total bid in the form of a bid bond or certified bank check)
    - List of Proposed Subcontractors
    - List of Proposed Suppliers
    - List of Proposed References
    - List of Authority to do Business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids.
    - Required Bidder Qualification Statement with supporting data
    - DBE Program forms – NHDES W-09-057, formerly EPA Form 6100-3, and formerly EPA Form 6100-4, etc.
    - NHDES W-09-060 - Bidder's American Iron and Steel Acknowledgement

10. The Bid Form includes Base Bid and three Bid Alternates. All Bid Items must be included in the Bid. The Basis for Award is Base Bid. **Please Note: Addendum #2 included updates to the Bid Form.**

11. The contract, if awarded, will be awarded to the lowest responsible bidder within 60 days of the Bid Opening. The Owner has the right to refuse any and all bids. The Owner also reserves the right to award the Base Bid and any combination of Bid Alternates in an order that best suits the Owner. Notice of Intent to Award will be sent to the low bidder following review of the Contractor's bids, qualifications and banking standings. Once the Lowest Qualified Bidder is identified, the Lowest Qualified Bidder shall not withdraw their bid alternates pricing for 9-months. Performance and Payment Bonds, Insurance Certificates and Agreement must be submitted for approval within 10 days after the Notice of Award is issued. The Owner, within 10 days of receipt of acceptable Performance Bond, Payment Bond and Agreement signed by the party to whom the agreement was awarded, shall sign the Agreement and

return to such party an executed duplicate of the Agreement. Notice to Proceed will be issued within 10 days of the execution of Agreement by Owner.

12. Contractor shall be responsible for obtaining all necessary permits during construction. The fees for all City permits will be waived by the City of Portsmouth. This does not include any State permits, including NHDOT permits.

13. Bidders wishing to complete any additional site visits and/or subsurface exploration(s) should coordinate with the City of Portsmouth: Zachary Cronin, (603) 610-7304.

14. Bidders should familiarize themselves with coordination requirements. Refer to Section 00800-SC-8.01 and Section 01050 including but are not limited to: Portsmouth Police and Fire Departments, Portsmouth Water Department, Eversource, Unitil and Consolidated Communications.

15. Engineer is providing at least one full-time Resident Project Representative during construction.

16. Owner is paying for material testing. Refer to Section 01400.

17. Contractor is responsible for layout of all work.

18. A project-specific Traffic Control Plan shall be submitted prior to the Pre-Construction Meeting (refer to Section 01570).

19. The location and limits of all staging areas, on-site work, and storage areas shall be reviewed/coordinated with, and acceptable to, the Owner and Engineer.

20. Contract Time: The Owner is under EPA Administrative Order of Consent to complete the Work through Base Bid.
    - **Base Bid Substantial Completion:** **December 30, 2022 (Consent Decree Deadline)**
    - Base Bid Final Completion: May 31, 2023
    - Bid Alternate Substantial Completion: September 30, 2023
    - Bid Alternate Final Completion: October 29, 2023
    - Liquidated damages are $1,500 for each day of delay after substantial completion and final completion **plus** additional fines incurred for non-compliance with the Consent Decree.

21. Submittals – Refer to Section 01340
    - Submittals will be electronic using an FTP site
    - After submittals are completed, 3 paper copies shall be submitted for record purposes.

22. Permits – Permits are identified in Section C of Front End Documents and include, but are not limited: to Shoreland Permit (obtained), Wetland Permit (obtained), NHDOT Road Opening Permit, and local permits.

23. Bid Allowance Items
    - Removal and disposal of contaminated soil (near 1150 Sagamore Avenue)
    - Treatment of contaminated groundwater (near 1150 Sagamore Avenue)
    - Utility support and coordination with independent utility companies
    - Uniform police officer for traffic control

- Base & Bid Alt – 3: Liquid asphalt price adjustment
- Bid Alt – 3: Electrical service upgrade
- Bid Alt – 3: Sewer pipe price adjustment

24. Sole Source Items – approved by NHDES
    - Grinder Pump Stations (E-One)

25. Davis-Bacon wages
    - Heavy wage is applicable
    - DOL "Heavy" wage determinations were issued ~~February 12, 2021~~ July 16, 2021
    - DOL "Highway" wage determinations were issued January 1, 2021
    - Contractor pay for and use Elation Systems, a web-based software for Davis-Bacon paperwork

26. The Contractor shall follow all local and state regulations and requirements during COVID-19 pandemic.

27. Use of explosives – Refer to Section 01546
    - The presence of ledge within the area of work may require a large quantity of blasting during construction.
    - Contractors should be familiar with specifications as well as State and Local blasting regulations.
    - Each period of Blasting Work shall include the following:
        i. Pre-Blast Survey
        ii. Proper Blasting Practices (Refer to Section)
        iii. Vibration Control
        iv. Blasting Documentation (Blast Logs)
        v. Post-Blast Survey
    - The contractor is responsible for any and all damages to buildings caused by blasting work regardless of adherence to specified vibration limits.

28. NHDOT work
    - All work on Wentworth House Road and Sagamore Avenue, south of 1149 Sagamore Avenue will be within/adjacent to NHDOT Right-of-Ways.
    - Contractors should be familiar with NHDOT specifications when working near the paved roads.
    - All work in these areas shall take place outside of the ROW unless indicated on the drawings and should not disturb existing roadway pavement in any way.

29. Private property work
    - Contractor shall minimize the time the property owners are without sewer when disconnecting the existing septic system and reconnecting to the low pressure sewer system (grinder pump system).
    - Contractors shall coordinate with all private property owners to best accommodate them during construction on their property.
    - Contractors shall have adequate means of communication between property owners via either mail, email, or phone.
    - Private Properties with failed septic systems will be eligible for SRF reimbursement. The quantities for these projects will need to be tracked by the Contractor.
    - Specification Section 01010 identifies a couple of properties that shall be connected as soon as is feasible. This may require testing the municipal sewer system out of sequence to expedite these connections.

30. Questions – Cutoff date for questions is 7 days prior to bid opening.

31. Discussion

ADDENDUM NO. 3

TO

SAGAMORE AVENUE SEWER EXTENSION

CITY OF PORTSMOUTH, NEW HAMPSHIRE

AUGUST 4, 2021

ATTACHMENT 2

PRE-BID CONFERENCE SIGN-IN-SHEET
SAGAMORE AVENUE SEWER EXTENSION PROJECT (11304C)
BIDS DUE DATE/ TIME: AUGUST 12, 2021 AT 2 PM AT CITY FINANCE DEPARTMENT, 1 JUNKINS AVENUE

Name	Organization Name	Phone Number	Email
MICHAEL THERIAULT	WRIGHT-PIERCE		
KEVIN GARVEY	WRIGHT-PIERCE		
ShannonLaroque	NHDES	603-271-7007	Shannon.Laroque@des.nh.gov
Sean Kent	Ngranese and Sons Inc	781 592 8121	info@ngranese.com
James Potter	Defelice corp	978-815-8342	engineering@defelicecorp.com
Bianca Siverino	Siverino Trucking	603-483-2133	bsiverino@siverinotrucking.com
Brian Lee	Siverino Trucking	603-483-2133	blee@siverinotrucking.com
Adriana Valenti	GVC construction Inc	978 467 6644	adrianav@gvcconstruction.com
Alex Bail	Albanese D&S, Inc	978-514-2580	abail@albaneseds.com
Joe White	NEEM	603-496-2049	JoeW@neearth.com

Please print legibly

PRE-BID CONFERENCE SIGN-IN-SHEET
SAGAMORE AVENUE SEWER EXTENSION PROJECT (11304C)
BIDS DUE DATE/ TIME: AUGUST 12, 2021 AT 2 PM AT CITY FINANCE DEPARTMENT, 1 JUNKINS AVENUE

Name	Organization Name	Phone Number	Email
Ayman Abdul mawla	Revoli construction	978-967-6877	amawla@Revoli.const.com
Dave Whitney	Albanese Brothers Inc.	978-454-8850	dwhitney@albaneseBros.com
MIKE KOTZEN	MAC CONST	603 502 7328	MKOTZEN@COMCAST.NET
Vaughan Richardson	Richardson Electrical	603-474 3900	Vaughan@RichardsonElectrical.us
Bob MacDonald	MAC	603 427 2556	Bobe MACMETALSNH.com
Jon Hixon	MAC Construction	603-548-5803	Jonathan@Macmetalsnh.com

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PRE-BID CONFERENCE SIGN-IN-SHEET
SAGAMORE AVENUE SEWER EXTENSION PROJECT (11304C)
BIDS DUE DATE/ TIME: AUGUST 12, 2021 AT 2 PM AT CITY FINANCE DEPARTMENT, 1 JUNKINS AVENUE

Name	Organization Name	Phone Number	Email
Scott Bonneau	S.U.R. Construction, Inc	603-332-4554	sbonneau@surconstruction.com

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ADDENDUM NO. 3

TO

SAGAMORE AVENUE SEWER EXTENSION

CITY OF PORTSMOUTH, NEW HAMPSHIRE

AUGUST 4, 2021

ATTACHMENT 3

"General Decision Number: NH20210025 07/16/2021

Superseded General Decision Number: NH20200025

State: New Hampshire

Construction Type: Heavy

County: Rockingham County in New Hampshire.

HEAVY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate,if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	02/12/2021
2	07/16/2021

ELEC0490-008 01/01/2021

	Rates	Fringes
ELECTRICIAN	$ 31.45	20.94

IRON0007-039 09/16/2020

	Rates	Fringes
IRONWORKER (Reinforcing and Structural)	$ 27.24	23.58

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* PLUM0131-005 06/07/2021

	Rates	Fringes
PIPEFITTER	$ 37.00	24.40

SUNH2015-011 06/16/2017

	Rates	Fringes
CARPENTER, Includes Form Work	$ 28.17	8.09
CEMENT MASON/CONCRETE FINISHER	$ 25.49	18.11
LABORER: Asphalt, Includes Raker, Shoveler, Spreader and Distributor	$ 23.70	1.54
LABORER: Common or General	$ 18.61	4.49
LABORER: Pipelayer	$ 30.35	17.03
OPERATOR: Backhoe/Excavator/Trackhoe	$ 28.51	10.16
OPERATOR: Bulldozer	$ 21.70	4.09
OPERATOR: Crane	$ 29.91	6.60
OPERATOR: Drill	$ 28.78	15.26
OPERATOR: Loader	$ 30.49	19.06
OPERATOR: Paver (Asphalt, Aggregate, and Concrete)	$ 27.10	5.69
OPERATOR: Roller	$ 23.02	4.52
PAINTER (Brush and Roller)	$ 33.55	19.15
TRAFFIC CONTROL: Flagger	$ 17.24	1.54
TRUCK DRIVER: Dump Truck	$ 19.02	5.73

WELDERS - Receive rate prescribed for craft performing

operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number,

005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

ADDENDUM NO. 3

TO

SAGAMORE AVENUE SEWER EXTENSION

CITY OF PORTSMOUTH, NEW HAMPSHIRE

AUGUST 4, 2021

ATTACHMENT 4

SECTION 02621

POLYVINYL CHLORIDE (PVC) PRESSURE PIPE

PART 1 - GENERAL

1.1 DESCRIPTION

A. Work Included: Furnish, install, and test all polyvinyl chloride (PVC) pipe and fittings of the sizes and types and in the locations shown on the Drawings and as specified herein.

1.2 QUALITY ASSURANCE

A. Pressure rating or pressure class of pipe as shown on the Drawings or specified herein.

B. Standards:

1. ASTM 1784 - Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds.
2. NSF 14 - Plastics Piping System Components and Related Material.
3. AWWA C900- Polyvinyl Chloride (PVC) Pressure Pipe, 4 in. Through 12 in., for Water Distribution.
4. CSA B137.3 - Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Application.
5. AWWA C605 for Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water.
6. ASTM D3139 - Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals.
7. ASTM F477 - Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.
8. UNI-B-3 - Polyvinyl Chloride (PVC) Pressure Pipe (Complying with AWWA Standard C-900).
9. ASTM F1674 - Recommended Performance Specification for Joint Restraint Devices for Use with Polyvinyl Chloride (PVC) Pipe.
10. AWWA M23 - PVC Pipe - Design and Installation

C. Product Marking:

1. Each unit of PVC pipe shall be marked with the manufacturer's name, nominal pipe size and size base, PVC cell classification or material code, dimension ratio or standard dimension ratio, product type, pressure class, standard specification designation, production record code, and certification seals. Identification markings shall remain legible during normal handling, storage, and installation.

D. Quality Assurance Testing

1. The Contractor shall submit the manufacturer's certification that all delivered materials comply with quality standards required by AWWA C900, Section 3.1; and AWWA C905, Section 4.0. The manufacturer's certification shall list the tests conducted and the standards applicable to that test.
2. Pipe shall be third party tested to meet requirements of CSA B137.3 or equivalent.

E. Warranty:
   1. The manufacturer shall provide a warranty against defects resulting from faulty workmanship or materials.

1.3 SUBMITTALS
A. Submit shop drawings in accordance with the applicable section of Division 1 and the General Conditions of the Specifications.
B. Submit manufacturer's "Certification of Conformance" that pipe and fittings and other piping appurtenances meet or exceed the requirements of these Specifications.
C. Submit manufacturers installation instructions and specifications for all fittings, couplings, adapters, saddles, etc.

PART 2 - PRODUCTS

2.1 MATERIALS
A. PVC Class Water Pipe:
   1. Pipe shall be by one manufacturer.
   2. Pipe shall be Iron Pipe Size (IPS) with SDR ratings as indicated in the pipe schedule.
   3. All PVC Pipe shall be cell classification 12454B (ASTM D1784), DR 21.
   4. Linear feet of each design and size shall be provided as shown on the drawings.
   5. Pipe shall be furnished with integral bell and factory beveled spigot.
   6. Pipe Lengths: Laying lengths of 20 feet, or as shown on the Drawings.
   7. Manufacturer:
      a. Ipex
      b. JM Eagle
      c. Or equal
B. Gaskets and Lubricants:
   1. Elastomeric gaskets shall be furnished by the PVC pipe manufacturer with each length of elastomeric-gasket bell-end pipe. Provide rubber gaskets in sufficient quantity to allow for loss.
   2. Gaskets and Lubricants intended for use with PVC pipe and couplings shall be made from materials that are compatible with the plastic material and with each other when used together. The material shall not support the growth of bacteria nor adversely affect the potable quality of the water that is to be transported.
   3. Provide nitrile gaskets for joints within 50 feet of buried petroleum product tanks or in other areas where contaminated soils are encountered.
C. Joints:
   1. Provide couplings of the same quality as the pipe that will maintain tight joints when subjected to the same hydrostatic tests designated for the pipe.
   2. Adapters: When applicable, furnish and install adapters for connecting polyvinyl chloride pipe to pipes constructed from other material.
   3. Provide suitable adapters for connections to equipment and other piping systems.

D. Restraint Devices:
   1. Furnish and install restraint devices as required.
   2. Provide joint restraint manufactured for use with PVC pipe. Provide certification from PVC pipe manufacturer recommending use of proposed restraint devices on their pipe.
   3. Restraint devices for PVC pipe shall incorporate a series of machined serrations (not "as cast") on the inside diameter to provide positive restraint, exact fit and 360o contact and support of the pipe wall. Restraint devices shall be manufactured of high strength ductile iron, ASTM A536, Grade 65-45-12. Connecting bolts shall be of high strength, low alloy material in accordance with ANSI/AWWA C111/A21.11.
   4. The restraint devices shall not use wedges, set screws, or radial pads.
   5. All restraint devices shall carry a water working pressure rating equivalent to the full rated pressure of the PVC pipe they are installed on, with a minimum 2:1 safety factor in any nominal pipe size. In addition, they shall meet or exceed the requirements of ASTM F1674, Recommended Performance Specification for Joint Restraint Devices for Use with Polyvinyl Chloride (PVC) Pipe. Notarized certification from the manufacturer of the restraint device shall be provided with submittals.
   6. Restraint devices shall consist of a split restraint ring incorporating the serrations specified above.
      a. For bell and spigot joints, the split restraint ring shall be installed on the spigot, connected to a solid back-up ring seated behind the bell. The solid back-up ring shall have a beveled leading edge to assure exact fit behind the pipe bell.
   7. Manufacturers:
      a. For bell and spigot joints of PVC pipe: Uni-Flange Block Buster 1350, or equal.

E. PVC fittings shall have the same pressure rating as the pipe itself for all pressurized pipeline applications.

2.2 PIPE SCHEDULE

PIPE IDENTIFICATION	DIA. (inches)	SDR	IPS/DIPS/ CTS	WORKING PRESSURE RATING (PSI)
Low Pressure Sewers	1.5 , 2, 3, 4 (See Drawings)	21	IPS	200

PART 3 - EXECUTION

3.1 INSPECTION

A. Carefully inspect all materials at the time of delivery and just prior to installation

B. Carefully inspect all pipe and fittings for defects, such as weak structural components, that adversely affect the execution and quality of work. Also examine materials for deviations beyond allowable tolerances for pipe clearances.

C. Immediately remove all rejected material from the construction site.

3.2 RECEIVING, STORAGE, AND HANDLING

A. Receiving:

1. Inspect the shipment of PVC prior to unloading for indications of the load shifting in transit, having been subjected to rough handling, or has broken packaging. If such indication exists, the Contractor should inspect each piece as it is unloaded. The Contractor is responsible for ensuring that there has been no damage or loss. Mark damaged material carefully, note damaged or missing items on the delivery receipt, and provide for further inspection by carrier or carrier's representative.
2. Reorder any material that is needed to make up for missing or damaged items.
3. Unload the pipe in full shipping units as shipped, using the appropriate mechanical equipment. Store pipe on level ground.
4. Units of pipe should not be lifted with single cables or chains. The shipping unit frames or banding around units should not be used as lifting points. Use straps and spreaders looped under the load.
5. If unloading by hand, the length behind the pipe being unloaded should be held in place with wooden chocks. Lighter pipes may be carefully handed down from the top of the load, but heavier pipes will require the use of ropes and skids. Individual lengths of pipe should not impact on each other as they are unloaded or stockpiled, especially in very cold weather.

B. Storage:

1. Store pipe on level ground.
2. Pipe should be stored if possible in the shipping unit packages provided by the manufacturer. When unit packages are stacked, ensure that the weight of the upper unit does not cause deformation to pipe in the lower unit. Do not stack more than 2 shipping units high. The weight of the unit should be borne by the dunnage rather than the pipe. Supports should be evenly spaced to prevent pipe bending.
3. In cold weather, where gaskets are supplied separately, they should not be stored outside on a job site unless they will be used immediately. The assembly of the joint will be easier in cold weather if the gaskets are stored at temperatures above 10^{o}C (50°F).

3.3 INSTALLATION

A. Jointing:

1. The assembly of the gasketed joints should be performed as recommended by the pipe manufacturer. When gaskets are not factory installed, use only gaskets

that are designed for and supplied with the pipe. Insert gaskets as recommended by the manufacturer.

2. Clear each pipe length, gasket, the bell and spigot, or coupling, and any fittings of all debris, grease, grit or before installing. Inspect the gasket, pipe spigot bevel, gasket groove, and sealing surfaces for damage or deformation; and do not use any components damaged or deformed.
3. Lubricants should be applied as specified by the pipe manufacturer. Damage to the gaskets or the pipe may result from the use of unapproved lubricants. Use only lubricant supplied by the pipe manufacturer for use with gasketed PVC pipe in potable water systems.
4. Provide and use coupling pullers, or bar and block, for jointing the pipe when required.
5. Ensure correct concentric alignment of pipe prior to joining. Shove home each length of pipe against the pipe previously laid and hold securely in position.
6. Do not pull or cramp joints.
7. If joints are to be assembled in cold-weather conditions, factory-installed gaskets may be removed and taken to a heated truck cab or shelter to restore the gasket's flexibility prior to joint assembly. Not all factory-installed gaskets are field removable. Gasket removal shall only be permitted with the consent of the pipe manufacturer and the Engineer.
8. For joining PVC to fittings, use gaskets recommended by PVC manufacturer.

B. Joining to Ductile Iron Fittings:
   1. Cutting:
      a. Use a hand saw or pipe cutter with blades (not rollers).
      b. Examine all cut ends for possible cracks caused by cutting.
      c. The cut shall be square, and provide a smooth end at a right angle to the longitudinal axis of the pipe. Pipe spigot ends shall be deburred, beveled, and re-marked with insertion line as required.
   2. Cleaning:
      a. Clean immediately before assembly. Factory-installed gaskets should not be removed for cleaning.
   3. Assembly:
      a. Follow PVC pipe manufacturer's instructions for assembly to ductile iron fittings.

C. Pipe joint deflection:
   1. Push on joints:
      a. Limit maximum joint deflection to Manufacturers recommendations. 2.5° for 12-inch diameter.

D. Fabrication:
   1. Tapped Connections:
      a. Make all tapped connections as shown on the Drawings or as required by the Engineer.
      b. Make all connections watertight and of adequate strength to prevent pull out.
      c. Provide wyes for all connections.

E. Testing
   1. Leak Test
      a. Refer to Section 02755 for sewer main testing.

END OF SECTION

ADDENDUM NO. 3

TO

SAGAMORE AVENUE SEWER EXTENSION

CITY OF PORTSMOUTH, NEW HAMPSHIRE

AUGUST 4, 2021

ATTACHMENT 5

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
EXCAVATION PERMIT
DISTRICT (Select a number from 1-6)

PERMIT NO: _____
TOWN/CITY: _____
ROAD/ROUTE: _____
DATE: _____

District 1, 641 Main St, Lancaster, NH 03584
District 2, 8 Eastman Hill Road, Enfield, NH 03748
District 3, 2 Sawmill Road, Gilford, NH 03249
District 4, 19 Base Hill Road, Swanzey, NH 03446
District 5, 16 East Point Drive, Bedford, NH 03110
District 6, PO Box 740, Durham, NH 03824

I. Pursuant to Chapter 236:9-11 and/or 231:184-186, New Hampshire Revised Statues Annotated, 2007, and amendments thereto, permission is requested to disturb the pavement, shoulders and slopes within the right-of way

1) *on the* _____ *side of Route* _____ *or* _____ *Road*
2) *in the town of* _____
3) *for the purpose of* _____
_____
4) *located (give distance to nearest crossroad and/or other local landmark and include sketch or plan)*
_____
_____
5) *during the period of dates between* _____ and _____

LOCATION/DESCRIPTION: _____

As shown on the attached plans, sketches, letters, and notes which shall be made a part of this permit. Construction shall be performed as shown on the attached plans, topographical, and description of work. Any variation shall require prior approval from the District Engineer.

This permit concerns only the type and manner of work to be performed in the New Hampshire Department of Transportation (NHDOT) ROW. NHDOT cannot and does not hereby grant permission to enter upon or utilize any privately owned land.

I/We _____, Contractor, and I/We _____, Owner, agree to conform to the NHDOT Standard Specifications for Road and Bridge Construction (Standard Specifications), as revised, the following provisions, instructions and regulations in processing the work under this request, and to any additional instructions issued by the District Engineer or designee during the process of the work.

STATE LAW REQUIRES THAT "DIG SAFE" BE NOTIFIED 72 HOURS IN ADVANCE OF EXCAVATION. CONTACT DIG SAFE BY TELEPHONE: 1-888-344-7233.

THE DISTRICT OFFICE MUST BE NOTIFIED AT LEAST FORTY EIGHT (48) HOURS BEFORE PERFORMING ANY WORK.
A COPY OF THIS PERMIT SHALL BE PRESENT AT THE WORK SITE AT ALL TIMES.

1. Photographs or videos in sufficient detail to show the existing condition of the area to be disturbed within the ROW shall be furnished to the District Engineer prior to the start of work. Photographs of all State underground structures shall be taken just prior to backfill and furnished to the District Engineer.

2. No work in the highway ROW shall be permitted during the following conditions:
   a. Inclement weather.
   b. The hours of darkness*.
   c. Saturdays, Sundays or Holidays. **
   d. During the period from November 15th to April 15th. **

   * Work after dark may be permitted at the discretion of the District Engineer if adequate lighting is in place and is sufficient to protect the traveling public and workers.

   ** Work during these periods may be permitted at the discretion of the District Engineer.

3. Traffic must be maintained in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), as revised during the performance of the work. Traffic shall be protected by suitable barricades, standard warning and advance warning signs, uniformed officers, as appropriate, and/or flaggers during performance of the work, and proper lighting at night. All signs shall be kept clean and in good repair.

4. Detour of state highway traffic requires prior approval by the District Engineer and shall be in accordance with an approved Traffic Control Plan.

5. All temporary yellow centerline overlay markers in place on two-way roadways prior to placement of full MUTCD standard pavement markings shall be removable. The temporary overlay markers shall be placed in pairs, separated by a lateral space of approximately three (3) inches, using a maximum spacing of eighty (80) feet. On sections of roadway with severe curvature, lesser spacing should be used so that at least three (3) pairs of markers are visible to approaching traffic at all times. Temporary overlay markers shall be removed following placement of standard pavement markings.

6. During the hours the job is inactive, a standby crew shall be available in case they are needed for the protection and maintenance of traffic. One or more telephone numbers, which will reach the standby crew, shall be furnished to the following people: local NHDOT District Dispatch, NHDOT Transportation Management Center, local police chief, local superintendent of public works or road agent (if the project is municipally owned), and the local NHDOT highway patrolman foreman.

The standby contact people will be: (List two)

NAME:		
TEL# (DAY):		
TEL# (NIGHT):		
CELL#:		

7. The Contractor shall be responsible for the acquisition of all other applicable permits and compliance with all local, state or federal rules, ordinances, and regulations.

8. The Contractor shall be responsible for the construction and maintenance of all necessary sediment and erosion control facilities required to protect storm water runoff.

9. In areas where the pavement is to be excavated, it shall be neatly and uniformly cut, with square edges by machine, at each side of all trenches. Every precaution shall be used to prevent undermining of the remaining pavement, utilizing sheeting as required, to prevent cave-in. Undermined areas inadvertently developed shall have the projecting pavement cut square and removed.

10. Excavation and handling of material shall be performed in a manner that will minimize trench width and the possibility of cave-ins. The pavement and base course materials are to be discarded. Excavation below subgrade is to be saved and used for backfill to prevent differential frost heaving. Any blasting required shall be cautiously performed to minimize disturbance beyond the trench limits. Overburden shall be removed prior to blasting. All blasting operations shall be performed in accordance with the Standard Specifications Section 203.

11. All backfill material in trenches and below base courses shall consist of excavated material suitable for backfill as defined in Standard Specifications, Section 603. All backfill shall be compacted at or near optimum moisture content, in layers not exceeding six (6) inches compacted thickness, using pneumatic tampers, vibratory compactors, or other approved means. The material shall be compacted to not less than ninety five (95) percent of maximum density as determined by AASHTO T99 (Standard Proctor Test). Water shall be uniformly applied during compaction in the amount necessary for proper compaction.

12. Within paved areas, crushed gravel, Standard Specifications Section 304, or approved equal to the existing gravel course, shall be placed in layers not exceeding six (6) inches compacted thickness, and thoroughly compacted. An approved bituminous plant mix, Standard Specifications Section 401, shall be placed the same day and carefully graded and rolled to the adjacent pavement grade, as a temporary patch. Just before completion of the project and after suitable exposure of temporary patches to traffic compaction, the pavement shall be sawn, as directed, on either side of the trench to provide a two (2) foot minimum overlap of the final patch on undisturbed material. Within the sawn limits, the existing pavement and temporary patch material shall be removed, the sawn edges tack coated, and the material replaced with an equal depth, but not less than four (4) inches, of hot bituminous concrete, placed as directed, and compacted to meet the existing pavement edge exactly. Finished pavement must replicate the original pavement design including normal crown, superelevations, and breaks in superelevated shoulders. Saw cuts for final patching shall be as directed by the District Engineer. In all cases, trench is to be flush with the existing pavement at the end of each working day.

13. Shoulders, other than paved, disturbed during the construction, shall be restored by providing a similar depth of crushed bank run gravel which shall be graded and compacted on a slope to match the cross slope of the existing roadway shoulder or as directed by the District Engineer.

14. In other areas, the present surface type shall be restored, by placing similar material, to a minimum depth and quality equal to or exceeding the existing depth before excavation. Reestablish existing grassland to equal what existed before excavation. Reestablish lawns to pre-construction condition, using a minimum of four (4) inches of loam, lime, fertilizer, similar seed, and mulch. The surface shall be reasonably smooth, free of stones larger than two (2) inches or debris, and be graded to drain. Existing topsoil removed from within the ROW shall only be reused within the DOT ROW and not as topsoil on properties beyond the ROW, or as otherwise approved by the District Engineer.

15. No trench shall be left open at night or over weekends. Suitable unrestricted ingress and egress to properties abutting the highway shall be maintained at all times. Two-way traffic shall be maintained at all times during nights, weekends, and holidays.

16. Any future surface distortion within the trench area, due to settlement or other causes attributable to the construction shall be corrected as required during construction and for a period of two (2) years following the acceptance of the project by NHDOT.

17. The roadway shall be cleared of all foreign material at the end of each working day or as directed by the District Engineer.

18. Equipment must be removed to a minimum distance of eight (8) feet from the edge of pavement during weekends, holidays, and periods of shutdown. The contractor shall provide MUTCD approved delineation of all non-active construction equipment left unattended within the roadway clear zone. Suitable barricades shall be erected to properly protect the work areas. Periodic maintenance of signs during periods of shutdown is required to restore blown over or missing signs, cones, and other traffic control devices. Routine NHDOT maintenance operations shall not be hindered by the Contractor's activities.

19. Pipe, equipment, and supplies shall not be stored within the NHDOT ROW without prior approval by the Engineer. Pipe or materials shall not be laid out ahead of construction.

20. Excavation dewatering shall not be pumped onto the State highway pavement. The Contractor may be required to plow, salt, and/or sand any portion of the State highway that becomes encumbered due to the Contractor's operations. NHDOT snow removal and maintenance operations shall not be impeded.

21. The District Engineer shall have the right to suspend any or all construction activities, which, in the District Engineer's opinion are unsafe to the traveling public.

22. Damage to existing drainage structures and systems shall be repaired in a manner approved by the District Engineer. Methods and materials utilized shall be subject to prior approval. Drainage structures or systems shall be cleaned of all material that has accumulated as a result of the work.

23. Damage resulting from work or detoured traffic to the roadway shall be repaired to the District Engineer's satisfaction.

24. If a highway sign or guardrail must be moved to allow construction of the facility, said sign and guardrail shall be reinstalled or replaced at the location of removal at the end of each work day or replaced by approved temporary devices pending permanent installation.

25. The District Engineer may inspect, test, or monitor any and all of the Contractor's activities within the highway ROW to insure compliance with this permit.

26. Following completion of the construction activities, the District Engineer or their agent will field review the work area for general conformance to Department standards for construction within the DOT ROW. Final acceptance may be reasonably withheld should the work not be completed in an acceptable manner and in accordance with the terms of this permit.

27. All excavated topsoil, or in the absence of topsoil the top 6 inches of soil, within the limits of state ROW shall be properly re-used within the limits of the state ROW. All temporary stockpiles of the re-use material shall be located within the state ROW, or as otherwise approved by the District Engineer.

28. The Contractor shall be solely responsible for the handling, transport and disposal of any surplus material generated by their project and shall comply with all federal, state and local laws, ordnances and rules in doing so.

29. The Owner shall, upon project completion, submit a complete set of "as-built" drawings to the District Engineer.

II. I/We, the Contractor, agree to save harmless the State of New Hampshire from any and all claims arising from the construction, trench settlement, pavement damage or other deficiencies attributable to the said construction for a period of two (2) years following acceptance of the project by NHDOT.

I/We, the Contractor/Owner, agree to assume such additional cost as the State may incur by reason of failure to perform this work in the manner prescribed above and in accordance with said plans and specifications, and are familiar with the penalty imposed by Chapter 236, and amendments thereto.

I/We, the Contractor, agree to furnish prior to the start of work a continuing Surety Bond in the amount of **$**_____ dollars guaranteeing the fulfillment of the provisions, instructions, and regulations prescribed herein, and any later instructions that may be issued by the District Engineer during the performance of the work. Following the acceptance of the project by NHDOT, the bond amount may be reduced to **$**_____ dollars guaranteeing satisfactory maintenance of the disturbed areas for a period of two (2) years.

I/We, the contractor/Owner, certify that the property does not have any illicit or unauthorized drainage connections to the NHDOT Storm water drainage system. An illicit discharge is any direct or indirect discharge to the NHDOT drainage system that is not composed entirely of storm water. Illicit discharges include, without limitation, sewage, process wastewater, or wash water and any connections from floor drains, sinks, or toilets.

I/We, the Contractor, agree to reimburse the State of New Hampshire fully for the services of a State Inspector(s) when assigned to this project to insure compliance with the terms of this permit.

(PLEASE PRINT)

CONTRACTOR:

STREET ADDRESS:

CITY, STATE & ZIP:

SIGNATURE: TITLE:

PRINTED NAME: TEL. NO.:

III. I/We, the Owners, agree to save harmless the State of New Hampshire from any and all claims arising from the construction, maintenance, and operation of the said facility and its appurtenances and agree to obtain permits from the District Engineer before performing any future excavation for maintenance or renewal of the facility or appurtenances thereto within the ROW limits.

I/We, the Owners, agree to assume such additional cost as the State may incur due to the maintenance, operation, renewal, or extension of said facility or appurtenances thereto within the highway limits.

I/We, the Owners, understand and agree that this permit is for the right of construction, operation, and future maintenance of the said facility. Occupancy is by sufferance only, with the State reserving the right to require, in event of future alterations of the highway or highway ROW, certain alterations, relocations or complete removal of said facility.

I/We, the Owners, agree to perform required alterations, relocations or removal of said facility promptly and at our own expense upon notification by the State.

Where Applicable, in accordance with RSA 72:23, I(b), this agreement is made between the parties subject to the condition that the Owner/Operator shall pay all properly assessed real and personal property taxes. Failure of the Owner/Operator to pay duly assessed personal and real taxes when due shall be cause to terminate this agreement. In accordance with the requirements of RSA 72:23, I(b), the Owner/Operator shall be obligated to pay real and personal property taxes on structures or improvements added.

(PLEASE PRINT)

OWNER:

STREET ADDRESS:

TOWN/CITY, STATE & ZIP:

SIGNATURE: TITLE:

PRINTED NAME: TEL. NO.:

24 HOUR CONTACT PERSON: TEL. NO.:

IV. Permission for the above described construction, maintenance and operation is granted, subject to the instructions, regulations, conditions, and agreements above.

This permit does not abrogate the rights of abutting Owners.

WORK TO BEGIN: **WORK TO END:**

DATE APPROVED: _____

APPROVED BY: _____
DISTRICT ENGINEER, FOR DIRECTOR OF ADMINISTRATION,
NH DEPARTMENT OF TRANSPORTATION

Before using permit, the ***Contractor shall notify the District Office and Patrol Foreman***:

DISTRICT OFFICE TEL.: SELECT ONE _____

PATROL FOREMAN NAME: _____

PATROL FOREMAN TELEPHONE: #: _____

DISTRIBUTION: District Office, Patrol Foreman, Utility Owners and Contractor

ADDITIONAL REQUIREMENTS

Additional Requirements Attached

State of New Hampshire – Department of Transportation

ENVIRONMENTAL DOCUMENTATION CHECKLIST

Excavation Permit, Encroachment Permit, and Driveway Permit Applicants are responsible for evaluating their project(s) for impacts to the environment and verifying compliance with all applicable laws, rules, and regulations. This checklist is intended to provide a summary of the environmental evaluation undertaken by the Applicant. In addition to completing this checklist, the Applicant is responsible for securing all necessary environmental permits and approvals. Issuance of the Excavation Permit, Encroachment Permit, or Driveway Permit is not an indication that the NH Department of Transportation (the Department) concurs with, or approves the environmental evaluation performed by the Applicant or the Applicant's designee(s). All Applicants must provide applicable information and documentation associated with this checklist prior to issuance of the excavation or encroachment permit for the Department's record.

☐ *Disturbed Area (This includes, but may not be limited to any excavation and/or vegetation clearing)*
- — Provide total square footage of land disturbance:
- — Consult NHDES, and/or visit the link provided, to determine if your project will require an AOT permit (https://www.surveymonkey.com/r/?sm=u5SDvBCP0R2ThzxF3f2E%2fQ%3d%3d). Provide the Alteration of Terrain (AOT) Permit Number, if an AOT permit is required:
- — National Pollutant Discharge Elimination System (NPDES) Notice of Intent Tracking Number, if disturbing over 1 acre of land:

☐ *Cultural and/or Historic Resources*
- — Work conducted within 25 feet of a cemetery will comply with RSA 289:3.
- — Work that impacts stone walls or other boundary markers will comply with RSA 472:6.
- — Provide the New Hampshire Department of Historic Resources (DHR), Request for Project Review (RPR) file number (http://www.nh.gov/nhdhr/review/rpr.htm) for projects that utilize any state or federal funds, or require a state or federal permits (i.e. wetlands permit):

☐ *Endangered Species - Attach to this checklist documentation of concurrence, as applicable, from the following agencies/groups:*
- — NH Natural Heritage Bureau (NHB), Use the NHB DataCheck Tool (https://www2.des.state.nh.us/nhb_datacheck/signin.aspx) for online inquiries.
- — US Fish & Wildlife Service, Use the 'Information for Planning and Conservation' (IPaC) tool (http://ecos.fws.gov/ipac/) for online inquiries.
- — NH Fish & Game Department, as necessary should there be concerns identified through either the IPaC tool, or NHB review.

☐ *Floodplains/Floodways - Attach to this checklist documentation of concurrence from the following:*
- — NH Office of Energy and Planning (OEP) Floodplain Management Program, for a project that encroaches on regulatory floodway; creates new obstructions in the 100 year floodplain; or alters any drainage patterns.

☐ *Wetlands/Water Quality – Permits must be obtained for any project that impacts wetlands/areas under the jurisdiction of RSA 482-A. If your project impacts wetlands or other RSA 482-A jurisdictional areas, complete the following*
- — NH Department of Environmental Services (NHDES), Wetlands Permit number:
- — Army Corps of Engineers, Wetlands Permit number:
- — NHDES Shoreland Permit number:

☐ *Contamination -Perform a NHDES OneStop Web GIS search (http://www2.des.state.nh.us/gis/onestop/register.asp) to identify any potential contamination and/or known remediation sites (active or closed) within 1,000 feet of the project, and/or impacts to known asbestos disposal sites (ADSs).*
- — NHDES site number(s):

☐ *Invasive Plant Species – Activities that disturb invasive plants or their root systems must comply with Prohibited Invasive Plant Species Rules (Agr 3800), and the NHDOT manual 'Best Management Practices for Roadside Invasive Plants'.*
- — Provide a map/plan showing locations of known invasive plant populations within the project area.

I, the undersigned, take responsibility for the above reviews. To the best of my knowledge and ability, the information represented in this document is accurate, and in conformance with applicable rules and regulations at the time of submission.

Owner / Agent of Owner Signature_____

Date_____

ADDENDUM NO. 3

TO

SAGAMORE AVENUE SEWER EXTENSION

CITY OF PORTSMOUTH, NEW HAMPSHIRE

AUGUST 4, 2021

ATTACHMENT 6

Sample Surety Bond – Single Project   Detail K-1

INSTRUCTIONS

The following format is to be used by an indemnity company to provide a SURETY BOND in favor of the NHDOT. Bond must be kept in force for a two year period from date of project acceptance The indemnity company and the principal must sign and seal this document. Return an original of this document to the following address:

New Hampshire Department of Transportation
District #____ Office
Street, City, State address

If there are any questions, please call the District #__ Office at 603-XXX-XXXX.

Indemnity Co., please type the following. **Do not** include the above information.
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

KNOW ALL MEN BY THESE PRESENTS, THAT WE XYZ ,Inc. of Somewhere, NH, as Principal, and the ABC Indemnity Company a State of ? Corporation, duly authorized to transact business of Surety-ship in the STATE OF NEW HAMPSHIRE, as Surety, are held and firmly bound unto the STATE OF NEW HAMPSHIRE in the penal sum of TEN THOUSAND DOLLARS ($10,000.00) to the payment of which we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas a permit is issued to the said Principal by the State of New Hampshire , Department of Transportation to occupy or use certain portions of (A BRIEF WORD DESCRIPTION WILL BE ENTERED HERE TO INDICATE THE LOCATION AND TYPE OF WORK BEING PERFORMED.)

NOW, THEREFORE, if the principal shall well and truly observe, comply with and perform all the terms and provisions of each and every permit and other rules and regulations of the New Hampshire Department of Transportation therein referred to and/or amendments thereof in addition thereto and shall indemnify and save harmless said State of New Hampshire from all claims, loss, damage and expense in any way relating to or connected with such permits, then this obligation shall be void, otherwise it shall remain in full force and effect.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals and have caused their corporate seals to be hereto affixed this ________ day of ___________ 20 _____.

WITNESS   CONSTRUCTION COMPANY(SEAL)

_______________________________   __________________________________

WITNESS   INDEMNITY COMPANY (SEAL)

_______________________________   __________________________________

ADDENDUM NO. 3

TO

SAGAMORE AVENUE SEWER EXTENSION

CITY OF PORTSMOUTH, NEW HAMPSHIRE

AUGUST 4, 2021

ATTACHMENT 7

SAGAMORE AVENUE SEWER EXTENSION - ADDENDUM No. 3
ELECTRICAL INSTALLATION INFORMATION

ADDRESS	PUMP LOCATION[1]	BREAKER PANEL LOCATION[1]	FINISHED AREA (Y/N)[2]	DISTANCE TO PUMP JCT. BOX[3] (LF)
33 Cliff Road	Front of Home	Left Side Garage	N	15
44 Cliff Road	Rear of Home	Left Side Garage	N	30
45 Cliff Road	Rear of Home	Middle Basement	Y	20
71 Cliff Road	Right of Home	Right Side Basement	N	35
89 Cliff Road	Rear of Home	Right Side Basement	Y	45
96 Cliff Road	Front of Home	Left Side Basement	N	25
131 Cliff Road	Rear of Home	Right Side Garage	Y	20
698 Sagamore Avenue	Rear of Home	Left Side Basement	N	50
713 Sagamore Avenue	Rear of Home	UNK	UNK	UNK
714 Sagamore Avenue	Front of Home	Right Side Basement	N	5
716 Sagamore Avenue	Rear of Home	Right SideBasement	N	10
749 Sagamore Avenue	Front of Home	Left Side Garage	N	30
766 Sagamore Avenue	Left of Home	Middle Basement	N	25
792, 794, 796 Sagamore Avenue	Right of Home	Right Side (Water Meter Room)	Y	60
910 Sagamore Avenue	Rear of Home	Left Side Basement	N	15
911 Sagamore Avenue	Right of Home	Right Side Basement	Y	40
912 Sagamore Avenue	Front of Home	Front Side Basement	N	5
913 Sagamore Avenue	Right of Home	Front Side Basement Stairs	Y	25
915 Sagamore Avenue	Front of Home	Right Side First Floor	Y	45
960 Sagamore Avenue	Right of Home	Left Side First Floor	Y	10
1145 Sagamore Avenue	Left of Home	Rear of Building	Y	120
1149 Sagamore Avenue	Left of Home	Back Side Basement	N	25
1150 Sagamore Avenue	Front of Home	Front Side First Floor	N	25
1155 Sagamore Avenue	Right of Home	UNK	UNK	UNK
1167 Sagamore Avenue	Front of Home	UNK	UNK	UNK
2 Sagamore Grove	Rear of Home	Left Side Basement	Y	40
3 Sagamore Grove	Right of Home	UNK	UNK	UNK
5 Sagamore Grove	Front of Home	Middle Basement	N	5
6 Sagamore Grove	Left of Home	Middle Basement	N	30
11 Sagamore Grove	Left of Home	Right Side Garage	Y	10
7 Shaw Road	Rear of Home	Right Side Garage	Y	30
14 Shaw Road	Left of Home	Right Side Basement	N	15
17 Shaw Road	Front of Home	Left Side Shed	N	45
24 Shaw Road	Front of Home	Middle Basement	N	30
27 Shaw Road	Left of Home	Left Side Basement	N	55
36 Shaw Road	Front of Home	Middle Basement	Y	30
16 Walker Bungalow Road	Rear of Home	Front Side Basement	Y	25
40 Walker Bungalow Road	Rear of Home	Right Side Garage	Y	35
58 Walker Bungalow Road	Rear of Home	Left Side Basement	Y	35
72 Walker Bungalow Road	Right of Home	Right Side Basement	N	55
86 Walker Bungalow Road	Front of Home	UNK	UNK	UNK
93 Walker Bungalow Road	Left of Home	Back Side Basement	N	10
137 Walker Bungalow Road	Rear of Home	Front Side Basement	N	50
140 Walker Bungalow Road	Right of Home	Left Side Garage	Y	25
147 Walker Bungalow Road	Left of Home	Rear Side Garage	N	15
159 Walker Bungalow Road	Front of Home	Right Side Basement	N	30
171 Walker Bungalow Road	Right of Home	Middle Basement	N	20
184 Walker Bungalow Road	Right of Home	Rear Side Garage	N	30
189 Walker Bungalow Road	Front of Home	Middle First Floor	Y	30
201 Walker Bungalow Road	Rear of Home	Front Side Basement	N	25
209 Walker Bungalow Road	Front of Home	Left Side Garage	Y	5

ELECTRICAL INSTALLATION INFORMATION

ADDRESS	PUMP LOCATION[1]	BREAKER PANEL LOCATION[1]	FINISHED AREA (Y/N)[2]	DISTANCE TO PUMP JCT. BOX[3] (LF)
212 Walker Bungalow Road	Rear of Home	Middle Garage	Y	20
220 Walker Bungalow Road	Front of Home	Middle Garage	N	15
238 Walker Bungalow Road	Front of Home	Rear and Right Side Basement	Y	40
241 Walker Bungalow Road	Front of Home	Rear Side Basement	N	65
251 Walker Bungalow Road	Rear of Home	Right Side Basement	N	45
260 Walker Bungalow Road	Right of Home	Front Side Basement	N	20
272 Walker Bungalow Road	Rear of Home	Middle Basement	Y	50
284 Walker Bungalow Road	Rear of Home	Front Side Basement	Y	75
290 Walker Bungalow Road	Rear of Home	Front Side Basment	N	50
74 Wentworth House Road	Front of Home	Front Side Basement	N	30
187 Wentworth House Rd	Left of Home	Right Side Basement	N	35
189 Wentworth House Rd	Rear of Home	Front Side Basement	N	40
191 Wentworth House Road (House)	Left of Home	Right Side Basement	N	40
191 Wentworth House Road (Resturaunt)	Front of Home	Front of Home	N	10

Footnotes:

1: Sides are relative to facing the house from the road corresponding with its address.

2: Finished area describes location of the breaker panel. In most instances the breaker panel is located in the basement.

3: Linear footage is measured as the straight distance between the utilized power distribution panel and proposed grinder pump junction box located on the side of the building. A separate table is provided in Division 11 of the specifications identifying if the vendor supplied cable from the junction box to the E-One Pump is longer than the 25-ft standard length included with each pump.