

ADDENDUM NO. 1
AUGUST 25, 2017
CORPORATE DRIVE AND GOOSEBAY DRIVE SEWER IMPROVEMENTS
PORTSMOUTH, NEW HAMPSHIRE

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

GENERAL

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. Bidder Request for More Information (RFI)

Engineer’s response to Bidder RFI’s (**Attachment “B”**) submitted after the pre-bid meeting is included in the Contract Documents by this Addendum #1.

PROJECT MANUAL

3. Information for Bidders – Section A-2

a. Bidder’s Qualifications, page A-2.5

Add the following paragraph:

“I. Bidder shall be listed on the New Hampshire Department of Transportation Pre-qualified Contractor’s list (latest edition) for sewer work.”

4. Bid Schedule

a. Page A-3.10 & A-3.11:

The Bid Schedule is being modified to add Add Alternate #2 – Delivery of Surplus Materials to the City, 5 mile haul one-way (Deduct). **Delete** page A-3.11 in its entirety and **replace** it with **Attachment “C”** which includes pages A-3.11 and new page A-3.12.

b. Notes to Bidders

Add the following notes (**Attachment “C”, Page A-3.12**):

“3. The Owner reserves the right to accept or reject any/or all Bids that are in the best interest of the Owner, including rejection of bids that are unbalanced.

4. The Owner reserves the right to not award any of the Add Alternates, award either Add Alternate #1 or Add Alternate #2, or to award both Add Alternates. Whichever is in the best interest of the Owner.”

5. Section 01000 - Prosecution of Work

a. Page 01000-9, Item 1.15I

Revise the first sentence to read as follows:

“Discharge from all excavation dewatering systems (*temporary pre-draining systems and trench sump pumps*) shall be treated through the Temporary Groundwater Treatment System.”

b. Page 01000-9

Add the following paragraph:

“21. Delivery of Surplus Material to the City

Item 6.15 (Add Alternate #2) is provided as a lump sum deduct in contract price (credit) for the City to take delivery of all non-regulated surplus material generated by the project to a site designated by the Owner approximately 5 miles (one-way) from the project area. The credit to the City is for the reduction in hauling costs that may otherwise be incurred by the Contractor for hauling surplus material to other locations available to the Contractor. Analytical testing must be completed and documentation of results provided to the owner before any surplus material can be delivered and accepted by the owner.

6. Section 01025 – Measurement and Payment

a. Page 01025-12, Item 1.15B

Add the following after paragraph B.3

“4. Said unit price shall be considered full compensation for the disposal of all non-regulated surplus materials.”

b. Page 01025-32

Add the following paragraph:

“ITEM 6.15 – DELIVERY OF NON-REGULATED SURPLUS MATERIAL TO THE CITY, 5 MILE HAUL ONE WAY(DEDUCT)

A. Method of Measurement

1. Delivery of surplus material to the City will be measured by Lump Sum.
2. Measurement will be by percentage of the total surplus material delivered to the City’s disposal location as agreed to by the Engineer and the Contractor.
3. Delivery of material without documentation of analytical testing results and without prior approval from the owner will not be accepted.

B. Basis of Payment

1. Delivery of surplus material to the City will be paid at the Contract unit price per lump sum.
2. Payment will be considered a deduct (credit) due to the Owner for reduced hauling costs to the Owner’s disposal site.
3. Said unit price shall be considered full compensation for all equipment, labor, and tools required to deliver accepted surplus

material to the Owner.

- 4. Analytical testing of surplus soils will be paid under Item 1.15E.
- 5. Management and handling of surplus materials to be delivered to the Owner will be paid under Item 1.15B.
- 6. The City reserves the right to stop accepting surplus materials. If this occurs, the lump sum will be paid based on the percentage of material received at the date of notification by the Owner. If material is no longer accepted disposal of surplus materials in accordance with the specifications will be the Contractor's responsibility.

7. Section 01590 – Temporary Field Office

a. Page 01590-1

Delete paragraph 2.1.A.7 and **replace** with the following:

“7. Provide internet service (wireless access is acceptable) for the exclusive use of the Engineer.

b. Page 01590-1

Delete paragraphs 2.1.C.2, 2.1.C.3, and 2.1.C.4

8. Section 02650 – Excavation Dewatering

a. Page 02650-2, Paragraph 3.1 – General

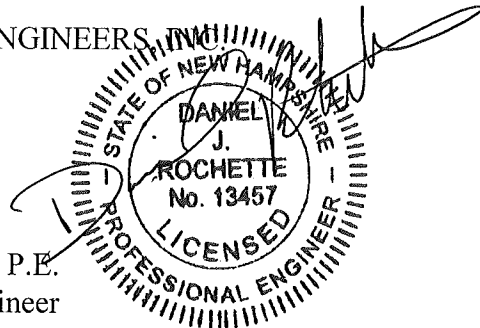
Add the following paragraph:

“C. All discharge from temporary dewatering systems used to pre-drain soils shall be treated by the temporary groundwater treatment system (Add Alternate Item 1.15J) before discharging to ground surface for infiltration in accordance with the Temporary Groundwater Discharge Permit (Add Alt Item 1.15H).”

9. Appendix

Add Appendix D – Wetlands Utility Maintenance Notification (**Attachment “D”**).

UNDERWOOD ENGINEERS, INC.



Daniel J. Rochette, P.E.
Senior Project Engineer

Dated August 25, 2017

Attachments:

- Attachment A – Pre-Bid Meeting Notes
- Attachment B – Bidder RFI and Engineer's Response
- Attachment C – Bid Schedule Pages A-3.10 & A-3.11
- Attachment D – Wetlands Utility Maintenance Notification

ATTACHMENT "A"
Addendum #1

PRE-BID MEETING NOTES

CORPORATE DRIVE & GOOSEBAY DRIVE SEWER IMPROVEMENTS
CITY OF PORTSMOUTH, NH

Portsmouth Department of Public Works
680 Peverly Hill Road
August 16, 2017 (1:00 p.m.)

Attendees **Representing** **Phone** **Email**

(Sign In Sheets Attached)

Note: *Text shown in italic format revised following the meeting*

1. **Introductions**

2. **Mandatory Pre-Bid Meeting**

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

3. **Pre-Qualification of Contractors**

Bidder qualification requirements are included in Section A-2 – Information for Bidders.

- *Addendum #1 will add the requirement that the successful bidder must be listed on the most recent New Hampshire Department of Transportation Pre-qualified Contractors List for sewer work.*

4. **Project Area**

- 700 LF on Corporate Drive from Rye Street to Goosebay Drive
- 1,400 LF on Goosebay Drive

5. **Project Overview**

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

- 2,100 LF of sanitary sewer installations with specialized materials:
 - Centrifugally Cast Fiber Reinforced Polymer Mortar (CCFRPM) pipe, 27" and 18" diameters.
 - Epoxy lined pre-cast concrete structures
- Installation of sewers at culvert crossings
 - 6'x3' concrete box culvert (sheet PP1, STA 7+95)
 - 3 - 40" wide x 24" tall CMP culvert pipes (sheet PP2, STA 13+80)
- Limited storm sewer installations

Addendum #1 – Attachment A
Corporate Drive & Goosebay Drive Sewer Improvements
August 25, 2017

- Roadway *and property* restoration
 - Corporate Drive = Weekly temporary trench repairs. Permanent trench repairs following testing and acceptance of sewers.
 - Goosebay Drive = full width reclamation and trench repairs
- Sewer by-pass piping or pumping operations to maintain existing flows (Item 1.0).
- *Maintenance of Traffic (Item 6.5).*
 - A TCP will need to 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:

- *Special Construction Requirements, Division 13 of the Project Manual*
- Provisions for treatment and disposal of contaminated groundwater, *Add Alternate #1*

6. Available Information

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

- Appendix A – Geotechnical Evaluation
- Appendix B – City of Portsmouth Blasting Regulations
- Appendix C – NHDES One Stop Data query results

7. Bids

Bids to COP Purchasing Department by **2:00 p.m., August 31, 2017**

- Bid (*Pages A-3.1 to A-3.11*) filled out in its entirety
- Attendance of mandatory this pre-bid meeting
- Acknowledge of any addendum
 - Addenda will not be distributed; it is the Bidders responsibility to check the City of Portsmouth Purchasing Department's webpage for all addenda issued.

<http://www.cityofportsmouth.com/finance/purchasing.htm>

- At least one addendum is anticipated which will include the notes from this meeting
- Bid Bond for 5% of the bid price
- ~~Addendum #1 will revise the Basis of Award to include both the Base Bid and Add Alternate #1~~

NOTE: Upon further review following the pre-bid meeting, the Basis of Award will remain unchanged and will be the Base Bid only.

Addendum #1 – Attachment A
Corporate Drive & Goosebay Drive Sewer Improvements
August 25, 2017

8. Bonds and Insurances

Following award, successful bidder will be responsible for providing, performance bonds and payment bonds on the forms provided in Section C-2 – Special Conditions of the Project Manual. Certificates of insurance shall also be provided with coverage limits shown in Section C-2.

9.

10. Schedule

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

120 Calendar days for **Substantial Completion**

150 Calendar days for **Final Completion**

11. Funding Requirements

This project is locally funded and there are no additional funding requirements.

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

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

13. Maintenance of Flows and By-pass Pumping

The sewer system being replaced includes effluent from Lonza Biologics and it will be necessary to maintain these flows at all times. Item 1.0 – Maintenance of Sewer Flows/By-pass Pumping is provided as a lump sum item to maintain existing sewer flows. Prior to commencement of work a detailed work sequence and by-pass pumping plan shall be submitted to the Owner and Engineer for review and approval. Amount and duration of by-pass pumping will be dependent on Contractors operations and additional temporary utilities required to facilitate contractors operations are subsidiary to this item.

14. Existing CMP Drainage Crossing (STA 13+80 +/-)

Proposed work includes installation of sewers beneath an existing drainage crossing consisting of 3-24” x 40” elliptical CMP drain pipes set approximately 12” to 18” apart. Item 1.1.18A is provided as a lump sum item to provide compensation for additional work required to complete sewer installations by a method selected by the Contractor. Prior to commencement of work, the Contractor shall submit a plan describing intended methods of installation for review and approval by the Engineer and the Owner showing the pipe will be installed in accordance to all specifications including: alignment, grade, bedding, blanket, backfill, and compaction.

15. Traffic Control (Section 01570)

The work area is on Pease Trade Port and the surrounding area is primarily commercial. The Contractor shall provide detailed Traffic Control Plan (TCP) for approval prior to the start of work. The following conditions pertaining to the TCP can be anticipated.

Addendum #1 – Attachment A
Corporate Drive & Goosebay Drive Sewer Improvements
August 25, 2017

- Any road closures will require prior approval of detour routes and sign packages by both the City of Portsmouth and Pease Development Authority.
 - Suitable detours must be provided
- Access to businesses must be provided at all times:
- During non-working hours roads shall be open at all times to safe passage of 2-way traffic.
- All excavations shall be backfilled daily, plated excavations will not be acceptable overnight.
- Provide safe pedestrian traffic through the work zone (sidewalk on corporate drive)

16. Methods of Excavation

All trench excavation shall be completed with a smooth edged bucket as recommended in the Geotechnical Evaluation provided in Appendix A

17. Dewatering

Elevated groundwater levels are anticipated which may require dewatering systems. Item 1.12 – Well Point Dewatering is provided. See Item 23 of these notes for discharge requirements for contaminated groundwater

18. Dust Control

Dust control shall be subsidiary to the work and shall include:

- Daily use of watering truck as needed
- Calcium chloride applied to backfilled trenches
- Daily Sweeping of paved surfaces

19. Work Hours

The contract time for completion is based on work hours, Monday through Friday from 7 am to 6 pm. Work prior to 7 am or after 6 pm 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.

20. Existing Utilities

Conflicts or excavation beneath unknown utilities not identified on the plans or in the contract documents may exist. Items 6D and 6E are provided to facilitate payment for 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).

21. Staging Area and Office Trailer

A staging area is not identified and it will be the Contractor's responsibility to secure appropriate staging areas. The shoulder areas within the right of way may be used provided:

- Sidewalks and access to properties remain unimpeded
- Materials are placed behind the curb line of the road so that the curb-to-curb width is clear

22. Testing

Contractors shall anticipate the following testing:

Addendum #1 – Attachment A
Corporate Drive & Goosebay Drive Sewer Improvements
August 25, 2017

- Sewer pipe and manholes
- Material and compaction testing will be completed of all aggregates
 - Trench Backfill (in-place density)
 - Trench repair compaction
 - Proctors and gradations on gravels, stone, and sand used
- An allowance for soil and compaction testing is included in covered in Item 6.10.

23. Raising of Castings, Covers, and Grates

The Unit price for new structures includes the cost to raise structures once, to either base pavement elevation or finish pavement elevation, as directed by the Engineer. Item 1.5A is included to raise all new and existing structures a second time (i.e. from binder to final grade) if required. If structures are only raised once, they will not be measured for additional payment.

24. Treatment of Contaminated Groundwater (Add Alternative #1)

It is assumed that all ground water in the area exceeds the NHDES ambient groundwater quality standard of 70 ppt of PFOS/PHOA and will need to be treated prior to discharge from all dewatering operations. Unit items are provided in Add Alternate #1 for the Contractor to sample, analyze, treat and dispose of all ground water. Items provided are summarized as follows:

- Item 1.15F – Installation of groundwater monitoring wells
As directed, the Contractor shall install ground water monitoring wells for the purpose of observing actual groundwater depths and sampling groundwater as required to procure a Temporary Groundwater Discharge Permit from NHDES (see Item 1.15H below). A Typical Monitoring Well Detail from NHDES is provided in Section 01000 – Prosecution of Work.
- Item 1.15G: Analytical testing of groundwater samples (where directed)
Testing of groundwater samples by an NHDES approved 3rd party testing company will be required as specified in Section 01000 – Prosecution. Analysis of samples shall include testing for the 23 PFAS (perflouroakl and polyflouroaklyl substances) and contaminants.
- Item 1.15H: Procure a Temporary Discharge Permit from NHDES
In order to discharge treated groundwater for infiltration back into the soil, the Contractor will be required to get a Temporary Ground Water Discharge Permit from NHDES. This Permit does not allow the discharge of treated water to surface waters or drainage systems. If the Owner authorizes the discharge of treated water to the sewer system, the Contractor will not be required to obtain a Permit.
- Item 1.15I: Provide a Temporary Groundwater Treatment System
The Contractor shall use this item to provide a treatment system as specified in Section 01000 – Prosecution of Work that is onsite and ready to use at all times for the duration of excavation work. The intent of this item is to reimburse the Contractor for rental fees and costs associated with providing an operable groundwater treatment system.

Addendum #1 – Attachment A
Corporate Drive & Goosebay Drive Sewer Improvements
August 25, 2017

- 1.15J: Operate and maintain the temporary Groundwater treatment system
This item provides compensation for the daily work and effort required by the Contractor to operate and maintain the groundwater treatment system.

Contractors shall refer to Paragraph 19 of Section 01000 – Prosecution of Work for additional details and specifications for the item noted above.

25. Additional Coordination

- Corporate Drive Reconstruction – Schedule TBD
- Pease Development Authority
 - Traffic Control Plan
 - Road Races
- Lonza Biologics

26. Pre Bid Meeting Notes

A copy of the Pre-Bid meeting notes will be included by addendum. Pre-bid meeting notes issued by addendum will supersede the information provided in this agenda.

27. Wetlands Permit

The location of proposed SMH #1 is within delineated jurisdictional wetlands. A “Wetlands Utility Maintenance Notification” form will be submitted to NHDES for completion of this work. A copy of the notification is provided in Addendum #1

28. Questions

Additional questions can be directed to Dan Rochette, P.E. (Underwood Engineers), (603) 436-6192 or drochette@underwoodengineers.com

The following questions were asked at the meeting:

Q: When is the anticipated project start time?

R: The intent is to award the project for completion this year to accommodate an increase in user flows anticipated sometime this winter. However, final paving may be delayed until next season.

Q: Item #1.12 is described as Well Point Dewatering. Is well point dewatering the only system that will be accepted?

R: The intent of this item is for the provision of a groundwater dewatering system to pre drain and control groundwater elevations. Payment for trench dewatering using a portable sump pump is not included under this item and is subsidiary to utility installation work.

Addendum #1 – Attachment A
Corporate Drive & Goosebay Drive Sewer Improvements
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Q: Has a detail been provided for the monitoring wells?

R: Yes. A detail is provided in Section 01000 – Prosecution of Work of the Project Manual

Q: What is the estimated cost?

R: The Engineer's estimate is \$1,000,000

MANDATORY PRE-BID MEETING

Corporate Drive and Goose Bay Drive Sewer Improvements
City of Portsmouth, NH

August 16, 2017 at 1:00 P.M.

Name	Company	Address	Phone	Email
Dan Rochette, P.E.	Underwood Engineers, Inc.	25 Vaughan Mall Portsmouth, NH	603-436-6192	drochette@underwoodengineers.com
Elie Graneese	N. Graneese and Sons, Inc.	59 Jefferson Ave Salem, MA 01970	(781) 592-8121	info@graneese.com
BOBSCHUATE	SUR CONSTRUCTION	233 CHESTERNUTHILL ROAD ROCHESTER, NH 03867	603-332-4554	BSCHULTE@SURCONSTRUCTION.COM
BOB LEVESQUE	T-BUCIC CONST.	302 B AUBURN RD TURNER, ME 04282	(207) 783-6223	BLEVESQUE@TBUCKCON.NET
Mildred Johnson	Berkley Corp	12 Old Appleton Rd Essex, MA	603-951-2107	plago@berkleycorp.com
MATTHEW J. MAGLIUZZI	ALBANESE BROTHERS INC	28 Snow Hill Rd PO Box 576 Dorset, MA 01926	(978) 454-8850	MARCELLA@ALBANESEBROS.COM
Redney Stockman	North East South	157 Barnyard Rd Portsmouth, NH 03801	603-435-8215 603-435-8217	MMAGLIUZZI@ALBANESEBROS.COM
REGINALD COOLEY	P.P.F. DIVISION OF E.J.P.	599 WATER ST. GARDINER, ME 04134	207-689-8616 207-582-4795	REGGIE@COOLEY@EJPRESOTT.COM

Name	Company	Address	Phone	Email
Dan Melica	Samco Excavators	84 Exeter Rd South Hampton	603-394 7664	dan@samcoexcavators.com
Tom Severino	Severino	512 Raymond Rd	603-483-2137	tseverino@severino.com
CHRIS VAUGHN	GVC CONSTRUCTION INC.	375 HAGUANA ST UNIT C LEMINSTER MA	978 840 9700	CHRIS@GVCCONSTRUCTION.COM
MIKE THIBODEAU	SARGENT CON	378 BENNING RD STILLWATER, ME	207-817-7580	MTHIBODEAU@SARGENT-CON.COM
Raymond Pezullo, P.E.	City of Portsmouth			
Terry Desmarais, P.E.	City of Portsmouth			

ATTACHMENT "B"

Addendum #1

BIDDER REQUEST FOR INFORMATION & ENGINEER RESPONSES

August 25, 2017

The following are Requests for Information submitted to the engineer by prospective bidders and the corresponding responses.

RFI #1: The existing 12" fip sewer line from the south at STA. 19+50 does not have flows listed on the "Existing Sewerage System Flows" diagram. Please provide flows for this sewer line as it will need to be bypass for construction.

Response: Sewerage flows from Lonza into the sewerage system are summarized as follows (see attached "Existing Sewerage System Flows Diagram Revised 8/24/17"):

- *Flow into 12" fip at proposed SMH #10 is process flow = 200,000 GPD +/-*
- *Flow into existing smh 1332 is process flow = 400,000 GPD +/-*
- *Flow into existing smh 1428 is sanitary flow = 10,000 GPD +/-*

RFI #2: Typical City of Portsmouth projects allow for a Maintenance Bond in lieu of holding retainage for a year after completion. Will this be acceptable for this project?

Response: No, a Maintenance Bond will not be accepted.

RFI #3: The Traffic Control Section of the Prosecution of Work indicates roadways must be open to 2-lanes of traffic at the end of each day. Does this included while crossing under the precast box culvert and the (3) CMP drainage pipes? It will most likely take longer than 1-day for installation of pipe below these crossings and backfilling below these structures at the end of the day is not feasible. If the contractor elects to bore or jack under these structures, jacking and receiving pits will need to be left open in the roadway for installation. Please advise if closing the roadway and detours will be acceptable during these operations.

Response: To better facilitate installation of sewerage pipes at the drainage crossings the following will be permitted at those locations:

Box Culvert Crossing (STA 7+90 +/-) – Traffic must be re-opened to two way traffic at the end of each work day. However, contractors may be permitted to use supported steel plates of adequate thickness buried under 12" of crushed gravel for a driving surface. The use of steel plates will be permitted for a maximum of five (5) consecutive working days in order to facilitate installations of new sewer pipes at the existing 6'x3' box culvert crossing.

CMP Drainage Crossing (STA 13+80 +/-) – Overnight roadway closure of Goosebay Drive will be permitted. Excavation shall be safely secured and properly barricaded. Overnight road closure shall be coordinated with Lonza to ensure that 2-way traffic can safely pass in front of their facility on Goosebay Drive to its northerly intersection with Corporate Drive. All businesses shall remain accessible during the overnight road closure. Overnight road closures will be permitted for a maximum of five (5) consecutive working days in order to facilitate installations of new sewer pipes at the multiple CMP drain crossing.

RFI #4: Please confirm the requirement of Section 01562 – Dust Control which states “The Contractor shall have a water truck on site at all times.”

Response: A water truck shall be available for use at all times when requested.

RFI #5: Please confirm requirements of Section 01590 – Temporary Field Office. Requirements include; Laptop for the engineer, telephone and internet service, microwave, refrigerator, etc.

Response: See addendum #1 for modifications to the Temporary Field Office Requirements.

RFI #6: Specification 02557 – Pavement Reclamation includes provisions for application of additional bitumen if 1.5% bitumen is not achieved, specific gradation for stabilized base, provide additional stone if necessary, etc. Is the contractor required to conform to the full specifications including applying additional bitumen, screening the reclaim if necessary and/or providing additional stone if necessary or can the contractor expect to reclaim the roadway, fine grade and pave as usual? Please advise.

Response: Contractors shall be responsible for providing a reclaimed asphalt product as specified in Section 02557.

RFI #7: Specification 02957 – Protective Manhole Coatings indicates the “Products must be installed by an Installer that has been trained and certified by the manufacturer” and “must provide verifiable documentation of the above certification”. Please confirm.

Response: Yes, installer shall provide certified installer documentation

RFI #8: Item No. 1.15B – Management of Soils & Materials. Bid Item payment is by lump sum. Requesting to consider measurement and payment by CY. This is a very open ended item and determining what work will need to be done on a lump sum basis is not easy. A CY item would allow us to determine a volume and production to bid.

Response: The volume of soils to be managed is dependent on Contractor’s operations. This item is to provide compensation for additional time required to properly manage and separate stock piles and to dispose of non-regulated surplus materials. Materials classified as unsuitable will be handled as described

RFI #9: Excavated trench material appears to be a silty clay material with varying amounts of moisture. Is the intent to backfill the trenches with the native excavated material? If the excavated material is unsuitable for backfill and compaction cannot be achieved, how will the contractor be paid for imported suitable backfill. There are items in the bid schedule for below normal depth excavation and replacement, but not within the trench limits. Please advise.

Response: The contractor shall re-incorporate as much material into the project as practical. The project is expected to generate a surplus of material and it will be the Contractor's responsibility to manage all materials (Item 1.15B) so that it can be reused as suitable backfill as necessary. Disposal of material within standard trench excavation limits is subsidiary and will be the Contractor's responsibility as specified in Part 2 of Section 02223 – Trench Excavation – Earth.

RFI #10: The area of reclaim on Goose Bay Drive has granite curbing at the edges. Is the intent to leave the granite curbing in place and reclaim, fine grade and pave to the granite curb or is the intent to remove and reset the curbing. Please advise.

Response: The intent is for existing curb to remain in place and pave to the curbing. Per Section 01025 – Measurement and Payment, paragraph 1.8.A.12 removal and resetting of existing granite curbing is subsidiary to the work.

RFI #11: Item 1.15G – Analytical Testing of Groundwater has a quantity of (80) test, but Item 1.15E – Analytical Testing of Soils is bid as an allowance of \$2,000.00. Requesting Analytical Testing of Groundwater to also be bid as an allowance rather than a unit price per test. These items should be completed by the same consultant and handled together.

Response: Testing units will remain as provided. The price of analytical testing of soils will vary depending on the parameters of testing required and an allowance is provided. Water sampling is for the PFAS substances and a per each test unit is provided as the testing parameters are known.

RFI #12: The force main that discharges to SMH 1632 indicates at peak discharge of 1,200 GPM. What is the frequency and duration of the pump cycles and what is the capacity of the pump station?

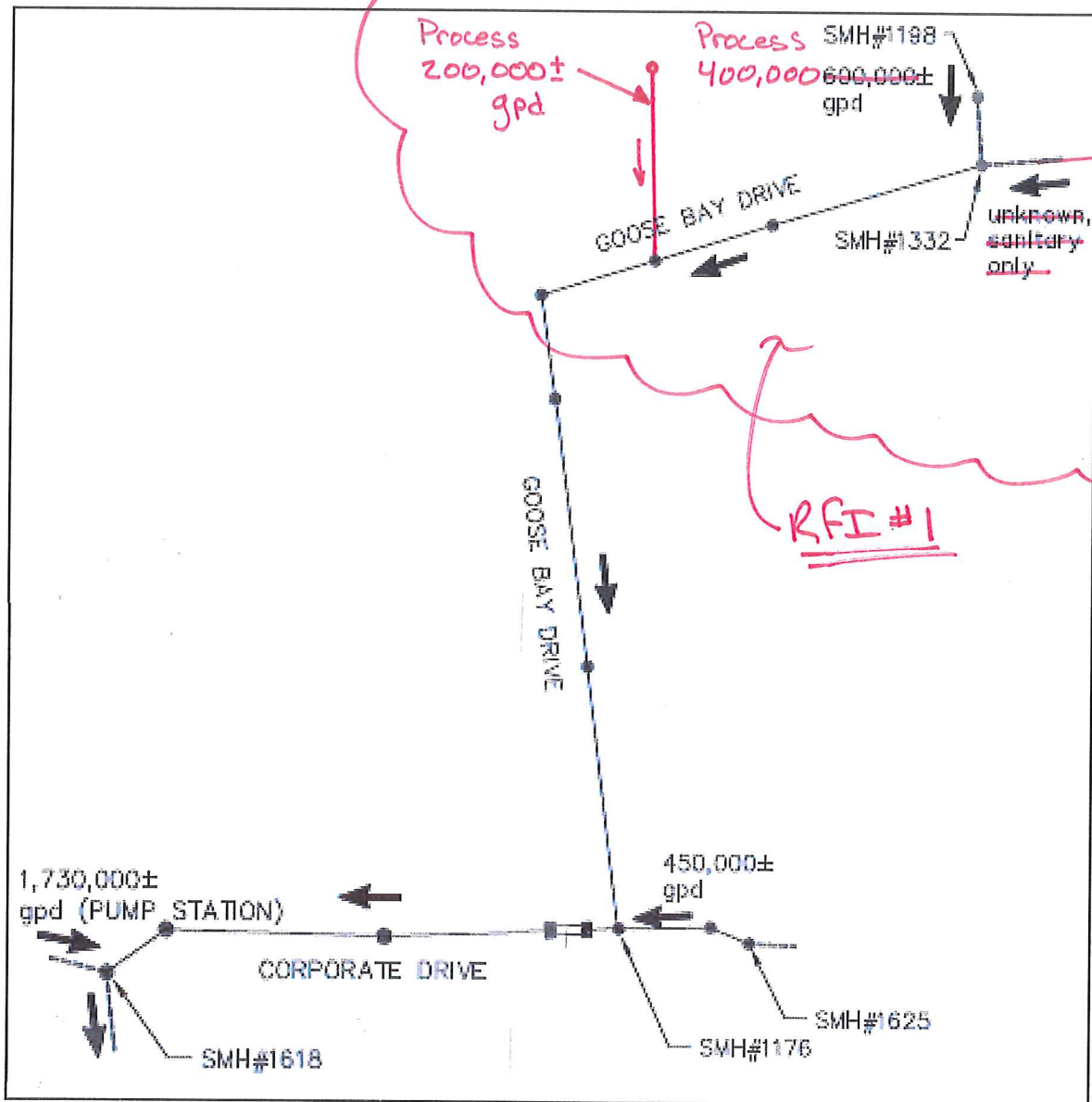
Response: The Contractor will need to coordinate maintenance of pump station flows with the City. The station is a triplex station and the Owner reports a typical flow rate of around 600 gpm but the station does have the capacity of higher flow rates as noted on the drawings. It is also reported that the station has an approximate runtime of 3.5 minutes per cycle (at 600 gpm) and that each pump in the station operate for approximately 30 minutes per day. Additionally an unknown amount of gravity flows enter the system at existing SMH #1632.

RFI #13: Will the manholes be epoxy quoted pre-install or post-install?

Response: Epoxy lining may be installed before or after installation of the structure providing specifications are met, installation procedure is consistent with manufactures installation procedures, and the structures are successfully tested.

RFI #14: Is there a bidder's list available.

Response: Because the project is available for free download on the City's website, no bidders list is being maintained. A list of prospective bidders can be determined by the sign-in sheet for the Mandatory Pre-bid meeting held on August 16th.



EXISTING SEWERAGE SYSTEM FLOWS

N.T.S. (Revised 8/24/17)

NOTE: FLOWS SHOWN ARE PEAK HOUR AND ARE APPROXIMATE, PROVIDED FOR INFORMATION ONLY.

E DWG PP2

ATTACHMENT "C"
Addendum #1

A-3.11
CONTRACTOR'S BID TABULATION

BID ITEM	EST. QUANT.	UNITS	DESCRIPTION	UNIT PRICE	EXTENDED TOTAL
ADD ALTERNATE #1 - Groundwater Monitoring and Treatment					
1.15F	4	EA*	Installation of groundwater monitoring wells (where directed): _____ Dollars and _____ Cents per	EA*	EA*
1.15G	80	EA*	Analytical testing of groundwater samples for the 23 perfluoroalkyl substances (PFAS) (where directed): _____ Dollars and _____ Cents per	EA*	EA*
1.15H	1	Allow.	Procure Temporary Groundwater Discharge Permit from NHDES (where directed): FIVE THOUSAND Dollars and ZERO Cents per	Allow.	\$5,000.00
1.15I	3	Month*	Provide a temporary groundwater treatment system: _____ Dollars and _____ Cents per	Month*	Month*
1.15J	12	Week*	Operate and maintain the temporary groundwater treatment system: _____ Dollars and _____ Cents per	Week*	Week*
LINE #2 - TOTAL ADD ALTERNATE #1:					
ADD ALTERNATE #2 - Delivery of non-regulated surplus materials to the Owner					
6.15	1	LS	Deliver non-regulated surplus materials to the Owner, 5 mile haul one-way (deduct): _____ Dollars and _____ Cents per	()	()
LINE #3 - TOTAL ADD ALTERNATE #2:					
()					

A-3.12
CONTRACTOR'S BID TABULATION

BID ITEM	EST. QUANT.	UNITS	DESCRIPTION	UNIT PRICE	EXTENDED TOTAL
<u>BID SUMMARY</u>					
			LINE #1 (BASIS OF AWARD):		
			LINE #1 (BASIS OF AWARD) + LINE #2 (ADD ALT. #1):		
			LINE #1 (BASIS OF AWARD) + LINE #3 (ADD ALT #2):		
			LINE #1 (BASIS OF AWARD) + LINE #2 (ADD ALT. #1) + LINE #3 (ADD ALT #2):		
<p>Name of Contractor: _____ Date: _____</p> <p>Notes to Bidders:</p> <p>1. The lowest bid and the Basis of Award will be based on the engineer's estimated quantities and Contractor's unit item costs shown on LINE #1 - TOTAL BASE BID</p> <p>2. * Indicates Indeterminate Quantity.</p> <p>3. <i>The Owner reserves the right to accept or reject any/or all Bids that are in the best interest of the Owner, including rejection of bids that are unbalanced.</i></p> <p>4. <i>The Owner reserves the right to not award any of the Add Alternates, award either Add Alternate #1 or Add Alternate #2, or to award both Add Alternates. Whichever is in the best interest of the Owner.</i></p>					

ATTACHEMNT "D"
Addendum #1

APPENDIX D

Wetlands Utility Maintenance Notification



WETLANDS UTILITY MAINTENANCE NOTIFICATION

Land Resources Management

Check the Status of your Notification: www.des.nh.gov/onestop




RSA/ Rule: Env-Wt 100-900

Complete No. (see bottom of page 2): _____

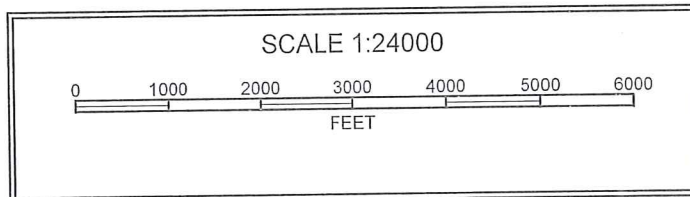
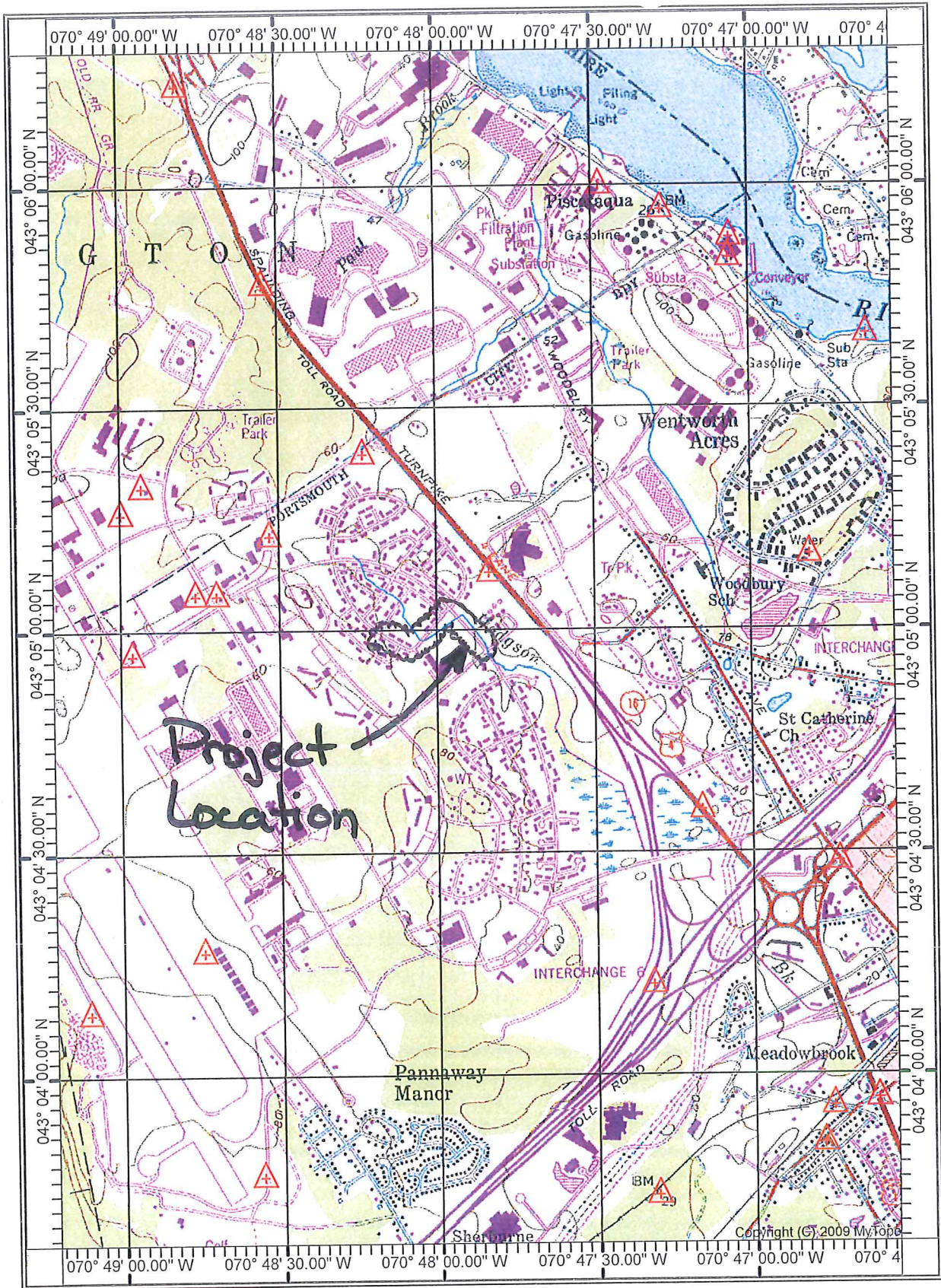
<i>Administrative Use Only</i>	<i>Administrative Use Only</i>	<i>Administrative Use Only</i>	<i>File Number:</i>
			<i>Check No.:</i>
			<i>Amount:</i>
			<i>Initials:</i>

This notification form and process is for the maintenance and in-kind repair of **existing utility services** within **existing rights of way** consistent with the *Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire* (Utility BMP manual) published by the New Hampshire Department of Resources and Economic Development, (January 2010). Please read the Utility BMP manual (<http://www.nhdf.org/library/pdf/Publications/DESUtilityBMPPrev3.pdf>) and RSA 482-A:3, XV, (<http://www.gencourt.state.nh.us/rsa/html/L/482-A/482-A-3.htm>) before proceeding. Once the form is completed and submitted to the municipal clerk and NHDES Wetlands Bureau, in accordance with RSA 482-A:3, XV, work may begin.

1. UTILITY PROVIDER/COMPANY			
UTILITY PROVIDER / COMPANY NAME: City of Portsmouth			
AUTHORIZED REPRESENTATIVE: Terry L. Desmarais, P.E.			
UTILITY MAILING ADDRESS: 680 Peverly Hill Road			
TOWN/CITY: Portsmouth		STATE: NH	ZIP CODE: 03801
PHONE: (603) 766-1421	FAX: (603) 427-1539	EMAIL: tldesmarais@cityofportsmouth.com	
2. PROJECT LOCATION - A separate notification must be filed for each municipality jurisdictional impact will occur in.			
TOWN/CITY: Portsmouth		ZIP CODE: 03801	
3. PROPOSED PROJECT DESCRIPTION			
<p>Replacement of existing sewer systems are required to accommodate future system buildout demands on the Pease Tradeport. An existing sewer manhole proposed to be replaced as part of this work is partially located within jurisdictional wetlands (as delineated by Gove Environmental in June 2017). Area of temporary impacts to jurisdictional wetlands is estimated to be approximately 200 SF. Work does not include any stream or brook crossings. Provisions for perimeter controls (i.e. BMP #1, silt fencing) are including as part of the project and disturbed areas will be restored and stabilized (BMP #4 and #5) upon completion of the manhole replacement. The replacement of this manhole could not be avoided. Its current condition and internal configuration could not accommodate proposed sewer pipe installations. Additional impacts to jurisdictional wetlands have been avoided by modifying the alignment of proposed sewers so that they are more perpendicular to the wetland boundary.</p>			

4. PROJECT TYPE			
<input type="checkbox"/>	Equipment repair and maintenance in rights of way (ROW)		
<input type="checkbox"/>	Vegetative maintenance within ROW (If access through private property is needed to reach the ROW, permission from the landowner(s) is required prior to conducting work)		
<input type="checkbox"/>	Overhead Electric Lines	<input type="checkbox"/>	Water supply Lines
<input type="checkbox"/>	Overhead Telephone or Cable Lines	<input checked="" type="checkbox"/>	Sewer Lines
<input type="checkbox"/>	Natural Gas Lines	<input checked="" type="checkbox"/>	Other: Replacement of Existing Sewer Manhole
5. IMPACTED RESOURCES - Check all that apply			
<input checked="" type="checkbox"/>	Temporary Non-Tidal Wetland	<input type="checkbox"/>	Temporary Intermittent Stream Crossing
<input type="checkbox"/>	Temporary (2-years max) Perennial Stream or River Crossing		
6. ATTACHMENTS - Verify the following attachments are submitted with this form by checking each box below.			
<input checked="" type="checkbox"/>	Copy of a USGS topographic map (at its original scale 1:24,000 or 1:25,000) with the project location(s) or utility corridor clearly identified		
<input checked="" type="checkbox"/>	\$200 filing fee (nonrefundable) made payable to: Treasurer, State of NH		
<input checked="" type="checkbox"/>	A Letter or memo from the Department of Resources and Economic Development's Natural Heritage Bureau (NHB) indicating that NHB has reviewed your project. Contact NHB at (603) 271-2215 ext. 323 or NHBReview@dred.gov.nh for instructions on how to submit project information (method may vary depending on project complexity). NHB File No.: 17-1571		
7. CONFIRMATIONS			
<input checked="" type="checkbox"/>	All impacts are temporary and will be restored, repaired or removed upon completion of work.		
<input checked="" type="checkbox"/>	Temporary impacts are a result of in-kind repairs or replacement		
<input checked="" type="checkbox"/>	The NH Natural Heritage Bureau (NHB) has reviewed the project and reported "No potential impacts" to exemplary natural communities and state-listed species OR such elements are present but I have received recommendations on how to avoid potential impacts from NHB and/or the NH Fish and Game Department.		
<input checked="" type="checkbox"/>	I have obtained, read, understand, and retained a copy of the <i>Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire</i> published by the NH Department of Resources and Economic Development. Link: http://www.nhdfi.org/library/pdf/Publications/DESUtilityBMPPrev3.pdf		
<input checked="" type="checkbox"/>	I understand that I may not proceed with the work until this completed application package has been submitted to NHDES and the municipal clerk.		
<input checked="" type="checkbox"/>	I understand that once I submit this form, changes or additions to the projects within the municipality will be done by way of an amendment and within the 1 year duration of this Complete Utility Maintenance Notification.		
<input checked="" type="checkbox"/>	This notification does not exempt you from meeting all other local, state, or federal permits or requirements. Work carried out in violation of any statute rule or condition is subject to enforcement action.		
<input checked="" type="checkbox"/>	I will confirm that this Utility Notification has been deemed complete and has been issued a file number from NHDES by checking the "One-Stop Wetland Permits Query" at: http://www2.des.state.nh.us/OneStop/Wetland_Permits_Query.aspx or by telephone at (603) 271-2147 before starting work. I will record the NHDES file number on the top of Page 1 of this form.		
<input checked="" type="checkbox"/>	This complete Utility Maintenance Notification is valid for one year from the Notification Completion Date as found on the NHDES One Stop website.		
8. SIGNATURE			
Terry L. Desmarais, P.E. PRINT NAME LEGIBLY	 AUTHORIZED SIGNATURE	8/18/17 DATE	

shoreland@des.nh.gov or (603) 271-2147
NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
www.des.nh.gov





New Hampshire Natural Heritage Bureau

To: Dan Rochette
25 Vaughan Mall
Portsmouth, NH 03801

Date: 5/25/2017

From: NH Natural Heritage Bureau

Re: Review by NH Natural Heritage Bureau of request dated 5/25/2017

VALID ONLY FOR NOTIFICATION OR MINIMUM EXPEDITED APPLICATIONS SUBMITTED TO
THE NHDES WETLANDS BUREAU

NHB File ID: NHB17-1571

Applicant: City of Portsmouth

Location: Tax Map(s)/Lot(s):
Portsmouth

Project Description: Replacement of existing sewer systems

The NH Natural Heritage database has been checked for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government. We currently have no recorded occurrences for sensitive species near this project area.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.

This report is valid through 5/24/2018.



MAP OF PROJECT BOUNDARIES FOR NHB FILE ID: NHB17-1571

