

# City of Rehoboth Beach

Sharon Lynn  
City Manager

slynn@cityofrehoboth.com

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City Hall  
P.O. Box 1163  
229 Rehoboth Avenue  
Rehoboth Beach, Delaware 19971  
Telephone 302-227-4641  
www.cityofrehoboth.com

City of Rehoboth Beach Ocean Outfall  
Project Number: 2017-001  
**Addendum #1**

To Bidders:

This Addendum #1 is hereby made part of the Bidding Documents on which the Contract will be based, and is issued to modify, explain and/or correct the original Bidding Documents. Please submit bids and be otherwise governed accordingly. **Receipt of this Addendum must be acknowledged on Page 00410-1 of Section 00410 Bid Form.**

## RESPONSES TO QUESTIONS

### **Question 1 (Summary of Work page 01010-4)**

By far the most important questions concern schedule. Summary of Work page 01010-4. I request you completely delete all 5 items presently listed in it as there appear to be many inconsistencies in it, and create a new list of constraints. It would be extremely beneficial if you could distribute that revision at the pre bid. Everything, every bidder proposes is contingent on accurately knowing the schedule constraints.

#### Response

*Refer to Specification changes. In addition, the ability for the Contractor to close the entire Deauville Beach parking area and use as a staging and storage area is restricted to 6 months per the Parks & Recreation Temporary Use Permit. At the final day of the 6-month period, the parking area must be re-opened to public use. However, the Contractor will still be allowed to keep his construction trailer onsite after this period, if needed, but will need to reposition the temporary fencing, signs, etc. to his area of use only and as approved by the City of Rehoboth Beach and Parks & Recreation agency. All storage and staging of materials and equipment must be removed. All parking area restoration outside this area of use shall be completed prior to this date. Notification and a proposed plan of action, including but not limited to a list of equipment and materials to remain, their proposed locations, the proposed revised construction area limits, etc., for re-opening the Deauville Beach parking area shall be submitted to the City of Rehoboth Beach 20 days prior to the expiration of the Parks & Recreation Temporary Use Permit.*

### **Question 2 (Agreement)**

The Agreement page 00520-1, paragraph 4.02 A states, work end date April 18, 2018. But a June 1 email states overall work window is October 1, 2017 to May 31, 2018.

#### Response

*The date for substantial completion and final payment shall be as listed in the Agreement in the Contract Documents.*

### **Question 3 (Summary of Work page 01010-4)**

The Summary of Work, page 01010-4, paragraph 1.07.B.1. Does this mean the Contractor does not have a "land base" job site any longer after March 15th.

#### Response

*No. Refer to Question response 1. In addition, to clarify, all Work and staging "on the beach" shall be avoided during the time period listed in Section 01010 Article 1.07.B.1.*

**Question 4 (Supplementary Conditions pages 00800-7 and -8)**

Supplementary Conditions pages 00800-7 and -8 name 10 permits you have which we must conform to. Can you create a link so all bidders can download all 10 permits within a few days?

Response

*A link to download the DNREC permits was provided via email on June 16, 2017.*

**Question 5 (Supplementary Conditions pages 00800-7 and -8)**

Same page as above, Work hours are presently set at Monday thru Friday from 7 am to 6 pm. Can this be changed to "at the discretion of the contractor"? There is an enormous concern that there will not be enough time to do the open cut work from Dec 15 to March 15. There are 4 holidays, plus guaranteed bad weather which will severely reduce productivity and the ability to work safely....but in many cases not so bad that it will qualify as a "weather day".

Response

*It is understood that various portions of the specialized Work will require Work hours outside the normal working hours defined in Supplementary Conditions 6.02. Extended periods will be allowed and need to be coordinated with the City of Rehoboth Beach and Engineer. Refer to Changes to Bidding Documents listed below for specification changes. Furthermore, the time period for marine trenching activities shall be restricted to the period from October 15, 2017 through March 15, 2018.*

**Question 6**

Cutoff date for questions on June 20 seems very early. Request this be extended to June 30.

Response

*The cutoff date for questions has been extended to June 30, 2017.*

**Question 7**

Can the material excavated when making the open cut be placed immediately outside the cut zone and then put back in its original location, i.e. over the ballast rock?

Response

*Side-cast will be allowed for this project. Material excavated can be used as backfill in accordance with the Contract Documents.*

**Question 8**

What is the closest location to dispose of the soil excavated during the HDD process?

Response

*It is assumed the Contractor is referring to HDD drill fluids. Disposal for the HDD drill fluids is the responsibility of the Contractor. The closest landfill is west of U.S. Route 113. It is operated by the Delaware Solid Waste Authority, is located at 28560 Landfill Lane, Georgetown, DE and is about 28 road miles from the site. Land based native soil excavated at the site may remain on site and be used as backfill in accordance with the Contract Documents. All excavated sand and dune material from the HDD staging area indicated on Drawing C101 shall also remain on site, be stockpiled, protected, and used for HDD staging area restoration. No sand from dune areas shall be permitted to leave the site.*

**Question 9**

Regarding the open cut time limit that ends March 15, is driving pile (such as to anchor the diffuser in place) allowable after this date, as this is not an open cut activity?

Response

*The marine trenching activities restriction does not apply to driving piles.*

**Question 10**

Is there an engineering estimate you can offer bidders?

Response

*There is not an engineer's estimate that can be provided.*

**Question 11**

Can you give us a list of available MBE/WBE organizations in the area?

Response

*Two links to directories have been provided below:*

*DelDOT: <https://deldotcivilrights.dbesystem.com/FrontEnd/VendorSearchPublic.asp?TN=deldotcivilrights&XID=8978>*

*Delaware Office of Supplier Diversity: <http://directory.osd.gss.omb.delaware.gov/index.shtml>*

**Question 12 (General Conditions page 32 of 62; 01300 par 1.04.A.1)**

General Conditions page 32 of 62 states engineer will provide timely review of submittals. However spec section 01300 par 1.04.A.1 states all such submittal replies will occur in "no less than 28 days". Please verify the intended wording in the spec is no MORE than 28 days.

Response

*Correct, the intent is no more than 28 days. It should be noted that the Engineer expects to be able to return a majority of submittal replies within 14 days, however the 28 days provides a Contract baseline.*

**Question 13 (Bid item B-2A)**

Bid item B-2A indicates an Alternate A HDD/HDPE installation length of 2,895'. However, with the entry at station 2+88 and the exit pit at station 32+59, the total straight-line distance for this item is 2,971'. Please clarify.

Response

*Noted. Bid Item B-2A length of pipe should be from the HDD Entry Pit Point A (STA 2+50) to HDD Exit Pit Alternate A (32+59). This is approximately 3,009 LF. The estimated quantity will be revised in Bid Item B-2A. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 14 (Bid item B-2A1)**

We're not sure as to the intent of Bid Item B-2A1 (ADD ALTERNATE) and see suggest two possible interpretations. The first interpretation is that it appears to be a contingency item to be enacted in the event that additional bored installation length is needed under the Alternate A or Alternate B HDD lengths. If this is the case, is the Contractor quote its price per L.F. of additional bore length?

Response

*This interpretation is incorrect. If the Contractor is able to directional drill the pipe a greater distance than that specified in Bid Item B-2A, then Bid Item B-2A1 provides a means for the Contractor to add the additional length and price, on a unit cost basis, than that provided in Bid Item B-2A. This item is not a contingent unit item. This item is not associated with the FPVC Outfall Construction installation alternate.*

**Question 15 (Bid item B-2A1)**

Concerning question 2 above, the second interpretation of Bid Item B-2A1 is that it represents the difference in installed HDD length between Alternatives A and B, as the installed Alternate B HDD/HDPE length is greater. If this is the case, this additional length would be approximately 2,224 L.F. (54+83 – 31+86). If this is the case, why would the Owner not state this estimated quantity on the Bid Form? Please clarify.

Response

*This interpretation is not correct. Refer to Question 14 response. Bid Item B-2A1 is not associated with the FPVC Outfall Construction installation alternate.*

**Question 16 (Bid item B-2B)**

Bid item B-2B indicates an Alternate A HDD/HDPE trench length of 2770'. Using the HDD exit station of 32+59 and the vertical bend location at station 59+54, the trench length appears to be approximately 2,695 L.F. Please confirm.

Response

*This interpretation is not correct. Bid Item 2-B is for installation of the marine open-cut trench portion of the HDPE Outfall Construction installation outfall pipe only. It is not associated with the FPVC Outfall Construction installation option. This pipe length is estimated from HDD Exit Pit Alternative A ST 32+59 to ST 59+54. This is approximately 2,695 LF. Bid Item 2-B will be revised. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 17 (Bid item B-2B1)**

Our interpretation of Bid Item B-2B1 (DEDUCT ALTERNATE) is that it represents the difference in trench installation length between Alternatives B and A with the Alternate B trench installation being shorter. If this is the case, this reduced length would be approximately -2,213 L.F. (-53+99 + 31+86). If this is the case, why would the Owner not state this estimated quantity on the Bid Form? Please clarify.

Response

*This interpretation is not correct. If the Contractor is able to install via directional drill the HDPE pipe longer than the provided length, and thus install via marine trench is reduced, Bid Item B-2B1 provides a deduction of the length provided in Bid Item B-2B. Bid Item B-2B1 is not associated with the FPVC Outfall Construction installation alternate.*

**Question 18 (Bid item B-3A)**

Bid item B-3A indicates an Alternate B HDD/FPVC length of 5,107'. However, with an entry station 2+88 and an exit pit station location of 54+83, the total straight-line distance for this item is approximately 5,195 L.F. Please clarify.

Response

*Noted. Bid Item B-3A length of pipe should be from the HDD Entry Pit Point A (STA 2+50) to HDD Exit Pit Alternate B (54+83). This is approximately 5,233 LF. The estimated quantity will be revised in Bid Item B-3A. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 19 (Bid Item B-3A1)**

Our interpretation of Bid Item B-3A1 (DEDUCT ALTERNATE) is that it represents the difference in HDD/FPVC installation length between Alternatives B and A, with the Alternate A length being shorter. If this is the case, this difference in installed length would be approximately -2,224 L.F. (-54+83 + 32+59). If this is the case, why would the Owner not state this estimated quantity on the Bid Form? Please clarify.

Response

*This interpretation is not correct. Bid Item B-3A1 provides the Bidder with the means to deduct length of installed pipe via FPVC if the Bidder thinks his installed length in Bid Item B-3A will be shorter than the length quantity provided. Bid Item B-3A1 gives the bidder the means to deduct this length from Bid Item B-3A and then add this deducted length to Bid Item B-3B in Bid Item B-3B1.*

**Question 20 (Bid item B-3B)**

Bid item B-3B indicates an Alternate B, HPDE trench installation length of 558'. Using the Alternate B HDD/FPVC exit station of 54+83 and the vertical bend location at station 59+54, the trench length appears to be approximately 471 L.F. Please clarify.

Response

*This pipe length is estimated from HDD Exit Pit Alternative B ST 54+83 to ST 59+54. This is approximately 471 LF. Bid Item B-3B will be revised. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 21 (Bid item B-3B1)**

Our interpretation of Bid Item B-3B1 (ADD ALTERNATE) is that it represents the additional HDPE trench installation length between Alternatives B and A with alternate A being greater. If this is the case, this additional installed length would be approximately 2,213 L.F. (53+99 – 31+86). If this is the case, why would the Owner not state this estimated quantity on the Bid Form? Please clarify.

Response

*Bid Item B-3B1 represents an optional bid item for the Contractor to adjust their pricing if they are not able to install the FPVC outfall pipe via directional drill the length provided in Bid Item B-3B1 and need to add length to the marine open-cut trench installation portion to account for this.*

**Question 22**

We noticed that the diffuser assembly is supported by octagonal precast piles. Please be aware that it would be far less expensive and much more expedient to use reinforced concrete-filled pipe piles for this application.

Furthermore, given that these piles will be totally buried and not subject to the electrical potential differences caused by streamflow. These potential differences and their corrosive effects are most often associated with the areas of steel piles and platform jacket legs located within the tidal zone or air/water interface where stream flow and oxygenation often catalyze the corrosive activity. As you're aware, this circumstance is most often countered by the use of a cathodic protection system. Given the buried condition of the proposed piles, we ask whether or not corrosion is a significant factor and if not, we also ask that you consider whether or not an active or passive cathodic protection system is actually necessary, should steel piles be allowed.

Response

*Cathodic Protection will not be required.*

**Question 23**

Standard industry practice for HDD construction is to work at least 6 x 12's. For HDD shore approaches, in particular, it is normal to expect the prereaming to be undertaken on a 24hr/day basis. In all cases, pullback operations are undertaken on a continuous basis. Supplemental Conds. Clause 6.02 imposes unreasonable restrictions on working hours - request is made to formalize and confirm a reasonable and practicable definition of normal work hours.

Response

*Refer to Question 5 response.*

**Question 24 (Spec. 02200 - 1.01 A)**

Will SDR-9 be accepted (rather than SDR 11) for the pipe installed by HDD?

Response

*Yes, however the minimum internal pipe diameter must be 20.83 inches.*

**Question 25 (Spec. 02200 -1.05 A.10)**

The standard for large rig HDD is to record pilot hole surveys every 30 or 31 ft (each joint of drill pipe) for as-built purposes. It's requested that this clause be amended to reflect standard procedures.

Response

*Agreed. This section will be amended. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 26 (Spec. 02200 -1.06 D)**

Can gyroscopic steering tools be used as an alternative to the magnetic steering tools described in this specification?

Response

*Yes, provided it meets tolerance requirements.*

**Question 27 (Spec. 02200 -1.06 B 2 & 3, 2.02 F & 3.01 B.2)**

1.06 B 2 specifies a tolerance of a 5ft radius, 1.06 B 3 allows a +/- 5ft left / right and +/-10ft short/long exit; 2.02 F specifies guidance system accuracy within a 5ft radius; 3.01 B.2 specifies 2% of depth. Please clarify actual, required, tolerance limits (5ft radius is unusually restrictive).

Response

*Tolerance limits shall be +/- 5ft left / right, +/-5 ft up, down, and +/-10ft short/long exit.*

**Question 28 (Spec. 02200 -2.02 C.7)**

Can it be assumed that the drilling fluid parameters are intended as guidelines only and that the Drilling Fluid Specialist will have the authority to amend them as necessary?

Response

*Yes.*

**Question 29 (Spec. 02200 -3.01D)**

Specification requires "cease and notify" when fluid loss exceeds 30%. Please confirm that City will compensate and grant extension of time when this occurs. (30% fluid loss does not necessarily imply an inadvertent return to the surface).

Response

*This will be changed to notify only. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 30 (Spec 02600 - 2.01 D & E.6)**

Specifies pipe for potable water use - is this correct?

Response

*This has been removed. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 31**

It was stated that the City will provide, at no cost, a hydrant at the HDD entry site (Deauville Beach Parking area site) for the Contractor's use and no charges will be made to the Contractor for water usage - please confirm.

Response

*A connection to the water main for the Contractor will be provided by the City at the Deauville Beach parking area. No charges will be made to Contractor for water usage. Contractor will still be required to provide freeze protection as needed.*

**Question 32**

Can 14" square prestressed piles be used instead of the octagonal piles? I'm having trouble finding a manufacturer.

Response

*Refer to Question 61 response.*

**Question 33 (Submit Review time listed on page 01300-03)**

The Submit Review time listed on page 01300-03 indicates the review time as "no less than 28 days". Is this a typo? Should it not be "no more than 28 days"?

Response

Refer to Question 12 response.

**Question 34**

Can the Exit Pit for the HDD be dug outside of the "open trenching" time period?

Response

If the HDD exit pit construction does not require marine trenching to construct, then yes.

**Question 35**

It is not clear if Pile Driving would be considered "Marine Trench Excavation". Please indicate a Start Date and Stop Date that Pile Driving can be performed within.

Response

Pile driving is not considered a marine trenching activity. Pile driving will be restricted to October 15, 2017 through March 31, 2018. In addition, pile driving will be limited to no more than 12 hours per day.

**Question 36 (Section 00520-4.03A)**

Section 00520-4.03A indicates \$3,500 per day LDs after April 1st (substantial completion milestone). It also indicates \$1,500/day for LD's after Final Completion Milestone (April 30th). It is not clear if these damages can be cumulative. Please clarify if the Liquidated damages are \$1,500 or \$5,000 dollars per day after April 30th, 2018.

Response

The LD's are not cumulative. If the Contractor is unable to achieve substantial completion per the Contract Documents (April 1, 2018), then liquidated damages (\$3,500/day) will be incurred until the day of substantial completion. From that day, the Contractor will have 29 days to achieve Final Completion. If the Contractor is unable to achieve final completion 28 days from the substantial completion date, then liquidated damages (\$1,500/day) will be incurred until the day of final completion.

**Question 37**

Please confirm the Open Trenching Operations window begins October 15th, 2017 and ends March 15th, 2018.

Response

Correct. All marine trenching activities shall be restricted to the period from October 15, 2017 through March 15, 2018.

**Question 38**

If the open trenching portion of the contract cannot be completed between October 15th, 2017 and March 15th, 2018, will liquidated damages accrue until the next October 15th, 2018 when operations could begin again?

Response

The apparent low bidder must be able to submit a schedule and sequence of construction that demonstrates the open-cut trench outfall pipe installation will be completed by March 15, 2018 in accordance with the permitted Marine Work restrictions and so that the City of Rehoboth Beach will be able to meet their consent order deadline of June 1, 2018. In the case of unexpected weather delays outside the Contractor's control that prevents the Contractor from meeting this schedule, time extensions could be granted however, this will need to be re-negotiated with the State of Delaware. If the State of Delaware will allow an open trenching time extension to allow for the completion of the open cut trench work, then liquidated damages will still be accrued in accordance with the Contract Documents. If the

*State of Delaware will not allow an open trenching time extension and the project must be postponed until a later date, liquidated damages will only be accrued to the contractual final completion date and then will restart upon that later determined re-start date until completion in accordance with the Contract Documents.*

**Question 39**

What Date will the Contractor be allowed to begin work on the Directional Drilling?

Response

*This is dependent on what the Contractor is referring to as "work". The project must adhere to the construction constraints provided in Section 01010 Summary of Work. If there is a specific item of Work associated with the Directional Drilling itself that the Contractor is referring to, submit a question specific to that type of Work. For example, directional drilling shop drawing submittals may be ongoing prior to October 1.*

**Question 40**

Will the Contractor be allowed to perform mobilization to the PARKING LOT and the BEACH as of 09-15-17?

Response

*Mobilization to Deauville Beach Parking Area and the Beach is restricted to October 1, 2017 at the earliest.*

**Question 41**

Will meeting minutes from the pre-bid meeting be released? If so, when can we expect to receive those?

Response

*Pre-bid meeting minutes will be issued in Addendum #2.*

**Question 42 (SC14.02B.1)**

Please clarify the time maximum time period in which the Contractor can expect to be paid. SC14.02B.1 (seems to indicate 10 days review by Engineer) appears to stack with SC14.02C.1. That section has been revised (see 00800-17) from 10 to 30 days and requires approval by the "funding agency".

Response

*Upon receipt of an approved Application of Payment in accordance with the Contract Documents, the maximum time period will be 30 days.*

**Question 43**

How long does the Funding Agency described in the changes to 14.02.C.1 (Page 00800-17) have to perform their approval Process?

Response

*The Funding Agency approval review process duration will be minimal. The City of Rehoboth Beach is required to pay the contractor within the time period specified in the Contract Documents. Refer to Question 42 response.*

**Question 44**

Dredging and HDD are cost prohibitive to not operate continuously. The Contractor needs to be able to work whenever the weather allows in order to meet the Contract completion dates. Can the Work Hours be expanded to 24/7? If not, please describe the Maximum Allowable Work hours.

Response

*Refer to Question 5 response.*



**Question 45 (Section 00800-7)**

Please provide a PDF copy of all Permits the Contractor is obligated to comply with. Refer to Page 00800-7.

Response

*A PDF copy of all the DNREC permits has been provided. Refer to Question 4 response. The remaining permits will be provided once the City has received them.*

**Question 46**

Is the intent to cover the Diffuser with Armor stone? This seems to pose a serious risk of damaging the diffusing assembly. Would the Owner consider an alternate stone size to prevent damaging the Diffuser?

Response

*The intent of the drawings is to use armor stone to protect the diffuser section. Risk of damage to the diffuser comes from construction placement method and not specifically the stone itself. We have assumed a placement method can be used to place rock over the relatively short section of diffuser without damaging the pipe and diffusers.*

**Question 47 (Section 02226-9, 3.02G)**

Section 02226-9, 3.02G requires a 3rd Party Hydro Survey if there is an "unduly long time delay" between dredging and pipe placement. Hydro Survey has a significant cost in time and money, and must be accounted for in the bid. In order to minimize the cost for Hydro Survey we need to have a concise definition of "unduly long".

Response

*The trench could remain open for a maximum of 2 months. Anything more could be unduly. However, it is expected that the Apparent Low Bidder will have the quality control means and procedures for verifying the trench profile maintains its tolerance so that pipe trench installation will be per the Contract Documents and will not need to use a third party Hydro Survey within this two month period.*

**Question 48**

Standard industry practice for HDD construction is to work at least 6 x 12's. For HDD shore approaches, in particular, it is normal to expect the prereaming to be undertaken on a 24hr/day basis. In all cases, pullback operations are undertaken on a continuous basis. Supplemental Conds. Clause 6.02 imposes unreasonable restrictions on working hours - request is made to formalize and confirm a reasonable and practicable definition of normal work hours.

Response

*Refer to Question 5 response.*

**Question 49**

Will SDR-9 be accepted (rather than SDR 11) for the pipe installed by HDD?

Response

*Refer to Question 24 response.*

**Question 50**

The standard for large rig HDD is to record pilot hole surveys every 30 or 31 ft (each joint of drill pipe) for as-built purposes. It's requested that this clause be amended to reflect standard procedures.

Response

*Refer to Question 25 response.*

**Question 51**

Can gyroscopic steering tools be used as an alternative to the magnetic steering tools described in this specification?

Response

Refer to Question 26 response.

**Question 52**

1.06 B 2 specifies a tolerance of a 5ft radius, 1.06 B 3 allows a +/- 5ft left / right and +/-10ft short/long exit;

Response

Refer to Question 27 response.

**Question 53**

2.02 F specifies guidance system accuracy within a 5ft radius; 3.01 B.2 specifies 2% of depth. Please clarify actual, required, tolerance limits (5ft radius is unusually restrictive).

Response

Refer to Question 27 response.

**Question 54**

Can it be assumed that the drilling fluid parameters are intended as guidelines only and that the Drilling Fluid Specialist will have the authority to amend them as necessary?

Response

Refer to Question 28 response.

**Question 55**

Specification requires "cease and notify" when fluid loss exceeds 30%. Please confirm that City will compensate and grant extension of time when this occurs. (30% fluid loss does not necessarily imply an inadvertent return to the surface).

Response

Refer to Question 29 response.

**Question 56**

Specifies pipe for potable water use - is this correct?

Response

Refer to Question 30 response.

**Question 57**

It was stated that the City will provide, at no cost, a hydrant at the HDD entry site (Deauville Beach Parking area site) for the Contractor's use and no charges will be made to the Contractor for water usage - please confirm.

Response

Refer to Question 31 response.

**Question 58**

The request was made during the June 15 pre-bid meeting that the City provide all bidding Contractors with a list of City/State-recognized DBE/MBE/EBE Contractors to assist bidders in meeting their good faith minority efforts. Please provide this list as soon as possible.

Response

Refer to Question 11 response.

**Question 59**

In reviewing the staging area drawing (Sheet 11) we noticed that the pipe laydown areas will probably not be sufficient for assembling and pulling the pipe in cool-to-cold weather, as the radius shown is far too tight for the pipe specified. In lieu of using the area shown, we would need to lay the pipe out in its entirety, fuse it, and perform initial pressure testing along the beach. Therefore, we want to ensure that there are no restrictions in using the beach area for this operation.

Response

*There are no restrictions to using the beach for staging other than time of year restrictions listed in Section 01010. It is the responsibility of the Contractor to also look through the provided permits and incorporate any restrictions not listed in Section 01010. A general area for beach staging is shown on Drawing C106. All beach staging must be east of the beach preservation line and dunes.*

**Question 60**

The plans show Details for and specifications pertinent to the installation of asphalt pavement. As far as we can ascertain, there is no such work required for this project. Please confirm.

Response

*Correct. There is no asphalt pavement work required for the project.*

**Question 61**

Sheets 21 and 22 show the Details for the hexagonal pre-stressed, precast piles that support the underwater pile caps. We respectfully suggest that the pile geometry be changed from 14" hexagonal to 16" x 16" square, as the hex piles will be substantially more expensive to fabricate and install. Also, in our estimation the hexagonal soffit supports would also more complicated to fabricate and would require a substantial amount of diver time to install and seal.

Response

*Square piles are acceptable either 14" or 16" in size. Use a 25ft long pile per detail 1/S102.*

**Question 62**

CLARIFICATION NEEDED – while filling out the bid documents, there is a BIDDER'S QUALIFICATION STATEMENT form, page 00410B-1. If qualified why does this information needed to be repeated and as well as completed and submitted as part of the bid?

Response

*The Bidders Qualification statement form does not need to be submitted.*

**Question 63**

We have been researching the installation of the precast piles and have learned that there are a limited number of sources for the double-acting, fully enclosed hydraulic pile hammers capable of driving these piles. Of the two manufacturers of which we are aware, IHC informs us that they will not recommend their hammers for driving concrete piles, as they are most certain that pile damage will occur even at the lowest hammer stroke settings. We have reached out to the second manufacturer (Mench) with no response as of yet, but given that their hammers are of greater capacity than IHC's, we suspect the same reticence.

We have considered the use of a long pile follower, approx. 40' in length which might be placed between the hammer and the pile which would allow the hammer to remain above the water surface during the driving operation. We have used pile followers in the past, but none of the length required for this application. Given this length, the ability to keep the follower in-line with the pile is questionable at best and we concerned about pile damage, as a minor eccentricity in alignment would cause significant damage to the concrete pile.

Further compounding this matter is that fact that the pile follower option would require the fabrication and installation of a substantial support frame which would be placed on the seafloor to support the pile while

the follower is placed (directed by divers) and while the pile is driven. During driving, the ability to keep the pile/follower/hammer in exact alignment is difficult at best and further complicated by sea conditions and the resulting barge movement. Given the expected winter offshore conditions, we anticipate significant risk in the successful execution of this option.

Another option might be to order the piles long enough to enable driving from the surface and cutting them to butt elevation after driving and wasting the cut-off sections. However, because these are pre-stressed piles, cutting is not an option.

Given the above, it is our opinion that the use of steel pipes is strongly indicated and we reiterate our previously-submitted request for the substitution of these elements from concrete to steel. The use of properly coated steel would allow the use of the IHC (and possibly the Mench) below-water hammers with minimal seabed pile support and without the fear of overstressing the pile during driving.

Response

*Steel pipe piles will be allowed. A steel pipe specification will be issued in Addendum #2.*

**Question 64**

Has there been an engineer's estimate established that you can share with the contractors?

Response

*Refer to Question 10 response.*

**Question 65**

With reference to specification section 00800 (page 16) supplementary conditions, article 12 "Change of Contract Price; Change of Contract Times" paragraph SC-12.03 G. Using the scenarios listed below; please clarify under what conditions a time extension will be granted. The scenarios are scripted to help clarify our understanding of what is meant by "consecutive days per week per month." Please also clarify under what conditions the Contractor will be reimbursed for equipment, labor, and field overhead standby time.

- a. If the weather in the first week of January is such that the Contractor cannot work on Monday, Tuesday, and Wednesday. How much additional time will be added? Will the Contractor be entitled to costs for standby time?
- b. If the weather in the second week of January is such that the Contractor cannot work on Monday, Wednesday, and Friday, but can work on Tuesday and Thursday. How much additional time will be added? Will the Contractor be entitled to costs for standby time?
- c. If the weather in the month of January is such that the Contractor can work every work day except one consecutive period of 4 days. How much additional time will be added? Will the Contractor be entitled to costs for standby time?

Response

*Contractor must submit requests for time extensions due to inclement weather for review on a monthly basis with the monthly Application for Payment. In order for a time extension for inclement weather to be considered, the days lost must exceed the total listed days for that month provided in SC-12.03.G and Contractor must show through a forward looking time impact analysis that the weather delay adversely impacts Contract Times. For months where the weeks are split between months with different listed days, the weighted average will be used for that week.*

*The term "consecutive" is used to identify that all of the inclement weather days for a given week could occur consecutively.*

*Requests for additional compensation due to inclement weather will only be considered if the total days of lost work per month exceeds the allocated allowance for the month covered by the monthly Application*

*for Payment and will not consider demobilization and remobilization costs for equipment unless more than one demobilization/remobilization is required per week on average for the given month due to inclement weather. All costs of demobilization and remobilization for inclement weather days shall be based on the Bidder's experience based on the specified allowance for inclement weather days and shall be included in the Bid.*

**Question 66**

Specification section 01010 paragraph 1.3C subsection 1 states that "the contractor first to complete their work will be responsible for the connection of the outfall segment to the force main segment". Additionally, drawing C003 plan view refers to note 3 which states "Contractor shall make connection to treated effluent pipe at this location...", but in the profile view it states "Connect to Rehoboth FM by others". Please clarify who will make this connection.

Response

*The Outfall Bidder should assume that this connection is included in the Outfall contract and provide a price for making this connection in Bid Item C-1.*

**Question 67**

With reference to specification sections 01025A-1 paragraph E and 01025A-2 paragraph E. Please confirm our understanding that the sum of bid items A-1 and A-12 shall not exceed 5% of the total project bid amount and that the amount of bid item A-2 shall not exceed 2.5% of the total project amount so between the three (3) mobilizations, the proposal shall not exceed 7.5% of the total project bid price.

Response

*Correct.*

**Question 68**

State of Delaware DOL Prevailing Wages dated March 15, 2017 with respect to Davis Bacon Wage Rates, General Decision Number DE170018 dated 01/06/2017. Delaware DOL document combines all heavy equipment operators into one classification. Davis Bacon includes several classifications for equipment operators: Crane, Excavator, Bulldozer, and Loader. Which document and respective classification and wages are the minimum requirements?

Response

*In any situation, the higher of the two wage classifications must be paid.*

**Question 69**

DOL has one classification for Laborer and appears to cover all skill levels of laborer. Davis Bacon includes three classifications of Laborers with graduated wages. Which document and respective classification and wages are the minimum requirements?

Response

*In any situation, the higher of the two wage classifications must be paid.*

**Question 70**

Detail 1 on sheet S101 (21 of 24) calls out a 14" octagonal prestressed precast concrete pile min. x 24' long. Detail 1 on sheet S102 (22 of 24) indicates a 25' long pile. Please clarify the required pile length. In addition, please confirm that a larger sized pile or differing shape (square) pile will be acceptable for use here in lieu of the 14" octagonal pile.

Response

*Square piles are acceptable either 14" or 16" in size. Use a 25ft long pile per detail 1/S102.*

**Question 71**

Details 2 and 3 on sheet S102 (22 of 24) indicates that the stainless steel bolts should be galvanized. Please confirm that this is correct.

Response

*The bolts and hardware are not stainless steel. The anchor bolts section of the structural notes 3.1 should be changed to ASTM F1554 Gr 36 anchor material to match.*

**Question 72**

Detail 2 on sheet S101 elevation view indicates what looks like a FRP washer on the bottom of the collars at the bolts but no washer of any kind is shown on the profile view in that location. Please clarify what is required to be used at the bottom of the collar bolted connection.

Response

*The large FRP washer is only required in contact with the EPDM rubber bushing. Detail 3/S102 shows the bolt assembly correctly. At the bottom, use a 1/2" thick x 5" square A36 plate washer in contact with concrete to cover the 3" diameter hole in the precast.*

**Question 73**

Detail 4 on sheet S103 is the detail referenced in both Detail 1 (typical outfall trench section alternate A) and Detail 2 (typical outfall trench section alternate B). Detail 2 alternate B does not show any armor rock, but appears to be identical to Alternate A in every other way. Please clarify where and when Detail 2/Alternate B applies, or where and when it is a suitable alternate to Detail 1/Alternate A.

Response

*Detail 2, "Typical Outfall Trench Section - Alternate B", on Drawing S103 is to be deleted.*

**Question 74**

Section 02200 Article 3.1 paragraph B1b states "The Contractor shall provide a silt curtain capable of reaching the ocean bottom at the highest predicted tide along with a means to deploy and secure the silt curtain that is sufficient to contain a radius of at least 50 feet. Cleanup must be to before release conditions." A silt curtain application offshore, during the winter months on this site, will be impossible to effectively manage and maintain. The effort to do so will place equipment and crew at unnecessary risk. Please remove the requirement for the use of a silt curtain.

Response

*Noted. This sentence has been replaced. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 75**

Section 02226 Article 3.2 paragraph I2 states "A suitable silt curtain and diffuser head shall be required at discharge points to ensure that turbidity does not exceed 50 mg/L above background level, as measured 20-ft from the silt curtain and at a point mid-depth in the water column". Please remove the requirement for the use of a silt curtain. A silt curtain application offshore, during the winter months on this site, will be impossible to effectively manage and maintain. The effort to do so will place equipment and crew at unnecessary risk.

Response

*Noted. This sentence has been replaced. Refer to Changes to Bidding Documents listed below for specification changes.*

**Question 76**

The contractor is aware of the "Iron and Steel Requirement" as explained in Appendix A of the specifications. Please confirm that there are no other "Buy American" requirements for any other products used on this project.

Response

*There is no "Buy-American" requirement on CWSRF projects. The American Iron and Steel Requirement (AIS) specifies which components of the project that are required to be sourced in the United States.*

**Question 77**

In an effort to maintain a possible continuity between this project and the other projects associated with your new outfall, is it possible for a copy of the participants in the other project pre-bid meetings to be distributed?

Response

*A sign-in sheet from the other pre-bid meetings is attached.*

**Question 78**

Currently the specification requires the precast concrete supplier to be a Precast Concrete Institute (PCI) certified plant (see Spec Section 03410 Article 1.06 Paragraph A). A precast concrete supplier has been located that is interested in providing a proposal to furnish the precast concrete caps and ballast collars but their plant is certified by the National Precast Concrete Association (NPCA) instead of the PCI. Can certification by NPCA be acceptable to the owner to fulfil this requirement?

Response

*National Precast Concrete Association (NPCA) is an acceptable precast certification for non-prestressed precast such as the collars and pile caps.*

**Question 79**

What is the pressure of the outfall line?

Response

*The maximum pressure during steady state pumping is 26.6 ft H<sub>2</sub>O. The maximum surge pressure is 38.3 ft H<sub>2</sub>O. Note that these pressures are relative to sea level (i.e. the difference between the internal pressure of the pipe and the external pressure of the ocean).*

**Question 80**

What is the anticipated pressure coming out of the diffuser?

Response

*The anticipated pressure coming out of the diffuser is less than 2 ft H<sub>2</sub>O.*

**Question 81**

What type of back up rings are they looking for?

Response

*Standard Duplex 2205 sized to fit HDPE to HDPE connections, eg <https://marzolf.com/flange-products/#ToFitPolyethylenePipe>.*

**Question 82**

Explanation of the reinforced joint on branch of the tee

Response

*Assume this is regarding the diffuser, reinforcement is there to protect connection against failure due to trawling fishing net or impacts on tee.*

**Question 83**

Yellow pipe will not be an option. It will be black in color.

Response

Agreed. Refer to Changes to Bidding Documents listed below for specification changes.

**Question 84**

Does the "trenching" restriction from December 15th through March 15th apply to the HDD exit pit?

Response

Marine trenching activities are restricted to the period from October 15th to March 15th. This restriction is for all marine trenching in general. If the HDD exit pit requires marine trenching, then yes, it would apply.

**Question 85**

Is the estimated quantity in bid item B-4 correct?

Response

The estimated quantity should be approximately 165 collars. Refer to Changes to Bidding Documents listed below for specification changes.

**CHANGES TO BIDDING DOCUMENTS**

1. Section 00410, DELETE from Bid Item B-2A, estimated quantity of "2,895" and REPLACE with "3,009".
2. Section 00410, DELETE from Bid Item B-2B, estimated quantity of "2,770" and REPLACE with "2,695".
3. Section 00410, DELETE from Bid Item B-3A, estimated quantity of "5,107" and REPLACE with "5,233".
4. Section 00410, DELETE from Bid Item B-3B, estimated quantity of "558" and REPLACE with "471".
5. Section 00410, DELETE from Bid Item B-4, estimated quantity of "240" and REPLACE with "165".
6. Section 00800 SC-6.02, ADD the following:
  - "D. Extended working hours will be allowed for HDD and Marine based Work if required. Contractor shall provide a minimum of 10 days advance notice with an estimate of the working hours required. Work shall be scheduled such that the impact on residents is minimized.
  - "E. City of Rehoboth Beach will consider requests for extended working hours and Saturday and Sunday work if requested by Contractor to meet schedule requirements. Contractor must provide CPM schedule and resource plan at the time of the request to document that work being performed outside of normal working hours is on the critical path. A minimum of 10 days advance notice is required for any work outside of normal working hours."
7. Section 00800 SC-12.03.G, DELETE, "2.5 consecutive days" from the months of December, January, February, March, and REPLACE with "'3 consecutive days".
8. Section 01010.1.07.B.4, DELETE sentence in its entirety and replace with the following:
  - "4. Mobilization to Deauville Beach is restricted to October 1st at the earliest."



9. Section 01010.1.07.B.5, DELETE sentence in its entirety.
10. Section 02200 1.05.A.10, DELETE "15 foot intervals" and REPLACE with "31 foot intervals".
11. Section 02200 3.01.B.1.b, DELETE sentence in its entirety and replace with the following:  


"A suitable means as necessary to minimize turbidity levels from exceeding 50 mg/L above background levels, as measured at a point mid-depth in the water column at the point of discharge points shall be provided. Contractor shall use their best endeavors to ensure the turbidity exceedances do not occur. Turbidity monitoring shall be provided at a point mid-depth in the water column during all marine construction installation activities. Contractor shall prepare and provide a submittal for approval prior to starting work, describing the methods."
12. Section 02200 3.01.D, DELETE from sentence, "HDD operations shall cease immediately, and".
13. Section 02226 3/02.I.2, DELETE sentence in its entirety and replace with the following:  

"A diffuser head and any other practical means as necessary to minimize turbidity levels from exceeding 50 mg/L above background levels, as measured at a point mid-depth in the water column at the point of discharge points shall be provided. Contractor shall use their best endeavors to ensure the turbidity exceedances do not occur. Turbidity monitoring shall be provided at a point mid-depth in the water column during all marine construction installation activities."
14. Section 02600 2.01.D, DELETE from sentence, "for potable water use".
15. Section 02740 2.02.D, DELETE sentence in its entirety.
16. Drawing S103, DELETE Detail 2, "Typical Outfall Trench Section - Alternate B" in its entirety.

#### ATTACHMENTS

1. Ocean Outfall City Project #2017-001 Pre-Bid Meeting Sign-in Sheet
2. Force Main City Project #2017-002 Pre-Bid Meeting Sign-in Sheet
3. Effluent Pumping Station City Project #2017-003 Pre-Bid Meeting Sign-in Sheet
4. WWTP Capital Improvement Program Upgrade Phase 1, City Project RB-WWTP CIP 03-2017 Pre-Bid Meeting Sign-in Sheet

Sincerely,



Sharon Lynn  
City Manager