

ADDENDA 4
Northwest Resiliency Park Project

1.1 PROJECT INFORMATION

- A. Project Name: Northwest Resiliency Park.
- B. Owner: City of Hoboken.
- C. Owner Project Number: 19-07.
- D. Engineer: E&LP.
- E. Engineer Project Number: 0117269.
- F. Date of Addendum: 5/21/2019.

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued **to all registered plan holders** pursuant to the **Instructions to Bidders and Conditions of the Contract**. This Addendum serves to clarify, revise, and supersede information in the project documents. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is **not changed**.

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
 - 1. Supplement to Article 9
 - 2. Amendment to Article 10
 - 3. Revised sheet S-112
 - 4. Revised 004322 Bid Form
 - 5. Revised Bidder Qualification Form

1.4 QUESTIONS OR CLARIFICATIONS FROM BIDDERS

A. Kyle Conti Construction, LLC

1. Instructions to Bidders:

- a. With regard to Article 1, please clarify the intent of Paragraph 1.3 of the Instructions to Bidders, which appears to require five completed projects to be submitted with the bid for the four listed subcontractors, and which also states that the failure to provide such list for each of the four subcontractors shall be deemed a material non-waivable defect. This requirement is not consistent with the Bidders Mandatory Submittal Checklist, which does not list this information as a Mandatory Bid Submittal, nor is this requirement consistent with the referenced statute that requires the naming of the four subcontractors. This type of submittal is commonly performed after the award of the contract, and we request that this paragraph be revised to require the submittal of this information by the successful Contractor.

The BID DOCUMENT SUBMISSION CHECKLIST shall read: “A List of three Completed Similar Projects performed by each Subcontractor named in each of the four categories listed in N.J.S.A. §40A:11016(a)(1)(1), (2), (3), and (4), as required by INSTRUCTIONS TO BIDDERS SECTION 002113, Article 1.3.”

- b. With regard to Article 8, we find the third sentence to be inconsistent with the intent expressed in the second sentence. If all blank spaces are to be filled in with pricing, why would a No Bid response be permitted for any item?

Compliance with Instruction to Bidders, Article 8 is required.

- c. Article 26 appears to require the Contractor to list all subcontractors and not just the mandatory four. We request that this requirement be deleted because it is asking for information that is not available at the time of bid since the Subcontractor selection process does not begin until after the contract is awarded to the successful Contractor.

Compliance with Instructions to Bidders, Article 26 is required.

2. Bidder’s Qualification Form (Section 004313-21):

- a. The contractor’s qualifications that are identified in Item #1 on the Form are very narrowly defined and will only serve to limit competition, which is not in the best interest of the public and the taxpayers.

Compliance with Section 004313 is required.

- b. The information required in Item #1 of this Form was not included in the publicly advertised Notice to Bidders.

Compliance with Section 004313 is required.

- c. The narrowly construed set of criteria that are identified in Item #1 on the Form are more appropriate for special projects that are subject to a lengthy prequalification

process that result in a select list of prequalified bidders. However, this project is an open, competitively bid, public works project that is not subject to a prequalification process.

Compliance with Section 004313 is required.

- d. Whereas, the information requested in Item #2 of the Form is commonly requested information that can be provided by the bidders.

Compliance with Section 004313 is required.

- e. Therefore, we request that this Form be modified to eliminate the narrowly construed set of criteria in Item #1 of the Form.

Compliance with Section 004313 is required.

- 3. Contract Agreement:
 - a. The exculpatory language included in Articles #9, 10,14 & 15 is not permitted by New Jersey Public Contracting Laws and is not enforceable.

Refer to Supplement to Article 9 and Amendment to Article 10 attached. No changes are made to article 14 and 15.

- b. By NJ Law, the Contractor's remedies for Damages cannot be restricted in this Public Works Contract.
Please revise the Contract to remove the objectionable language.

Refer to Supplement to Article 9 and Amendment to Article 10 attached. No changes are made to article 14 and 15.

- 4. Appendix "A" – Milestones & LD's:
 - a. The Column titled "Liquidated Damages" is confusing because it makes reference to assessing LD's for many activities that are performed by the Owner for the Contractor. For example, see Milestones #3, 4, 5, 6, 9, 10 & 11. This creates an ambiguous bid document that causes confusion and needs to be cleaned-up so that the document is more clearly understood.

The AGREEMENT at Article 6 Liquidated Damages shall be modified as follows:

The text at the end of 6.1 shall be changed to read: "in the case of such failure or failures on the part of such Contractor shall be liquidated in the sum of \$15,000 per calendar day for each day the Contractor fails to achieve the listed Milestones numbered 1, 2, 7, 10, 12, and 13."

Section 6.2 shall be changed to read: "Provided that CONTRACTOR shall not be charged with liquidated damages or any excess cost when the delay in completion of the Work is determined by the OWNER or Engineer to be solely for reasons beyond CONTRACTOR'S control as set forth in Paragraph 12.03 of the General Conditions.

The General Conditions at 12.03 Delays shall be modified as follows:

At 12.03 A, at the 4th line, change “Contract Times will be extended” to “Contract Times may be extended in the OWNER’S or Engineer’s discretion”.

At 12.03 B, at the 6th line, change “Contractor shall be entitled” to “Contractor may be entitled in the OWNER’S or Engineer’s discretion”.

At 12.03 C, at the 7th line, change: “Contractor shall be entitled” to “Contractor may be entitled in the OWNER’S or Engineer’s discretion”.

Add New Subsection 12.03 F as follows: “Notwithstanding Section 10.05 (B) or any other provision in any other contract document, written notice of a Claim to extend the Contract Time shall be delivered to the Engineer and the Owner within three (3) business days of the start of the event giving rise thereto.”

- b. Also, the “Milestones” mentioned above appear to be Scheduling Constraints that would normally be free from the assessment of LD’s.

Compliance with Section 011219 is required.

- c. Instead of making reference to Liquidated Damage Amounts that are indicated in the Contract Documents, this document would be more meaningful and straightforward if the amounts of the LD’s were actually identified on this Milestone Schedule, since that was a primary purpose for providing this Milestone Schedule. Please add this missing information.

Liquidated damages shall be per contract.

- d. Typically, a Milestone Schedule should provide varying LD amounts for different Milestones, with smaller LD amounts applied to less critical, or minor, Milestones and larger LD amounts assessed for more critical, or major, Milestones, and the largest LD amount is typically reserved for Final Completion since that should be the most important Milestone on the Schedule. However, the Contract Agreement currently assesses the same (very high) \$15,000 LD amount to all Milestones (except for the Tank Milestone) regardless of their significance on the critical path of the schedule. Please revise the LD amounts for the Milestones according to their relative importance on the critical path of the schedule.

Liquidated damages shall be per contract.

- e. With regard to Milestone #2 – Submittals Complete, please clarify what are “DSA Deferred Approvals”.

DSA Deferred Approvals are not applicable to Milestone #2. This language shall be removed.

- f. With regard to Milestone #2 – Submittals Complete, we do not agree that that the 60 calendar period is a reasonable amount of time to successfully achieve this Milestone because the review process will likely require multiple iterations of shop drawing submittals and there are many custom-fabricated items that will require lengthy shop drawing preparation time. It is also not clear as to how the successful achievement of this Milestone will be judged because the statements made in this Milestone are too broad. For example, what constitutes “complete submittals” and “long lead time items” are relative statements, Therefore, we request that this Milestone be eliminated or extended to be no less than 90 calendar days and exempt from LD’s.

Compliance with Section 011219 shall be per specification.

- g. We do not agree that 30 calendar days is a reasonable amount of time to successfully achieve Milestone #7 – Mobilization. A more appropriate amount of time would be 60 calendar days, or significantly reduce the number of tasks that need to be completed within 30 calendar days.

Compliance with Section 011219 shall be per specification.

- h. Please clarify the intent of Milestone #10, and what is meant by the reference to “NHSA Infrastructure”, and please clarify the time period that is specified because it is not clear what is to happen in the interval from “360 calendar days through 750 calendar days”.

The contractor shall release the designated area to the NHSA contractor for this period of time. During this time the contractor for NHSA shall perform their scope of work and return the area to the Contractor at the conclusion of the time period. Also, see response to 4.a, above.

- i. Please clarify the purpose of Milestone #14, and what the Contractor must do to achieve the 1-Year Certification per NJEIT, and why LD’s are considered necessary for this Milestone.

Refer to the NJEIT specification. Also, see response to 4.a, above.

- j. Please clarify the purpose of Milestone #15, and why a Warranty Period would need to be assessed LD’s.

Compliance with Section 011219 shall be per specification. Also, see response to 4.a, above.

- k. The assessment of a \$15,000 per calendar day LD is a very high amount for an LD when compared with most public works projects in New Jersey. But the assessment of a \$100,000 per calendar day LD for the Tank Milestone can only be considered to be a Penalty, which is not allowed by the NJ Public Contracts Laws unless an equal amount of money is provided to the Contractor as a Bonus. Please address this issue and provide revised contract language that is equitable, reasonable and consistent with the NJ Public Contract Laws.

Compliance with Section 011219 shall be per specification.

5. Questions on Dwg L701:
- a. This drawing shows lots of pile supports and pile caps for the support of the Terrace and the notes point to these pile supports and make reference to the Structural Drawings. However, we cannot find this information on the pile supports in the Structural Drawings. Please provide this important missing information as soon as possible.

These sections are for reference only to understand the relationships between elements. Contractor should refer to the pile layout shown on the Structural sheets.

6. Questions on Dwg S-301:
- a. We cannot find the Typical Pile Cap Details that are referred to in the details on this drawing. Please provide this important missing information as soon as possible.

Refer to sheet S-510 center of the page.

7. Questions on Dwg S-510:
- a. We cannot find Plans F0-100 that are referred to in the Note for the Typical Pile Cap Detail on Dwg S-510. Please provide the missing information as soon as possible.

FO-100 sheet referenced in the note is incorrect. Pile layout is shown on S101 (buildings), S110 (terrace slab), S111 (detention tanks), and S112 (palisades wall).

- b. We cannot find the Driven Pile Schedule that is referenced in the same detail mentioned above.

See S-001 for Driven Pile Schedule.

- c. We cannot find the Typical Pile Cap Details that are referred to on the Typical Pile Cap Detail at Steel Column.

See Typical Pile Cap detail. S-510. Middle of the page.

- d. We cannot find the Footing Schedule that is referred to in several of the details.

See S-001 for Footing Schedule.

8. Dwg C-927 – Subsurface Tank Details:
- a. The Flushing System Notes on Dwg C-927 require a Flushing System to be designed and provided by the Contractor for the Detention Tanks, but the bid documents do not provide any bidding information to determine the performance requirements and the cost of providing the Flushing System, which could end up being very expensive and complicated to implement.

The flushing system is intended to come online in the future after the NHSA pump station and force main project is fully operational. At that point in time, the duplex pump system which is powering the temporary discharge line from the detention tank will be switched over to powering the flushing system in the detention tank and act as a recirculation pump. The intent is to flush the tank during storm events to remove any sediment accumulation. The contractor shall submit shop drawings for approval during the construction phase.

- b. The design and engineering work for the Flushing System cannot be considered as part of the Shop Drawing Process, which currently is subject to a 30 Calendar Day Milestone with a \$15,000 per Calendar Day Liquidated Damage assessment.

Refer to 011219 Phasing of Work Milestones Appendix A for timeline requirements.

- c. It is not feasible in the limited amount of time provided during the bidding process for bidders to be able to estimate the cost of designing and constructing the Flushing System without any concept drawings and without any performance criteria provided in the bid documents.

Therefore, we request that a New Bid Item be added to the Bid Proposal that provides a Fixed Bid Allowance of \$500,000 to cover the cost of designing and constructing the Flushing System for the Detention Tanks.

The flushing system shall be included under bid item 33.35 as part of the detention system. Schematic layout and spacing of flushing lines and nozzles are provided on sheet C-927 as well as notes for further requirements of the flushing system.

- 9. Dwg S-112 – Palisade Retaining Wall Plan:
 - a. Please clarify whether or not all required H-Piles for the Palisade Wall are shown on this plan drawing.

The reason we ask this question is because it appears that the some of the H-Piles are not shown. For example: look at the beginning section and end section of the Wall.

Refer to attached sheet S-112 revised.

- 10. Construction Phasing:
 - a. It would be appreciated if a Construction Phasing Plan Drawing can be provided that correlates with the phasing and sequencing that is described in the Milestone Schedule so that the bidders can see the physical areas that are being either released or withheld from the Contractor during the course of the work.

Refer to plan sheet C-810 Phasing Plan.

- 11. Contract Terms and Conditions:

- a. The bidders have been provided with several potentially conflicting and overlapping contract documents that stipulate varies terms and conditions that need to be clarified as far as which one governs. Please see the following list and clarify which documents take precedence over the other.
 - 1) City of Hoboken Contract Agreement
 - 2) Section 008030 - City of Hoboken General Conditions of the Contract
 - 3) The Standard General Conditions prepared by the Engineers Joint Contract Documents Committee
 - 4) Section 008000 – Supplementary Conditions

Refer to Section 006000 - Agreement.

- 12. Section 011100 – Summary of Work:
 - a. Section 3.03 in the Summary of Work discusses Owner Furnished Contractor Installed (OFCI) Furniture, Fixtures, and Equipment but there is no list provided that identifies all of the OFCI Items for this project. It would be appreciated if a List of all OFCI Items can be provided to the bidder as soon as possible.

Refer to the contract documents for OFCI requirements.

- 13. Section 013213 – Construction Schedule:
 - a. Section 1.06 – Submittals states that a detailed CPM Schedule is to be submitted within 7 calendar days after the Notice to Proceed, which is not reasonable or feasible for a project of this scope, size and complexity. Please revise this time period to be no less than 45 calendar days after NTP.

Refer the contract documents for schedule requirements.

- 14. Section 026113 – Excavation and Handling of Contaminated Material:
 - a. Section 3.2 – Contaminated Soils Handling and Storage, mentions the use of Drums and Roll-Off Containers for the temporary on-site storage of the contaminated soils generated by this project. Considering the expected large volume (16,000 CY) of contaminated soil please confirm that the Contractor will be permitted to create on-site soil stockpiles that are lined and covered with poly for the temporary on-site storage of the excavated soil.

Refer to Appendix C for additional information.

- 15. Appendices to Specifications:
 - a. Please clarify the purpose of providing Appendix “A” – Site Lighting Cut Sheets and Appendix “F” – Building Lighting Cut Sheets.
 - 1) What is the Contractor to do with this information?

The lighting appendices are provided for information purposes.

- 2) Is this information a duplication of information that is shown on the plans or described in the specifications?

These are the cut sheets for the basis of design light fixtures for the project.

- 3) Are these appendices considered to be bid documents?

Yes.

16. Alternate Bid Item #A.01 – Pile Supported Terrace:

- a. Please clarify the following with regard to the price for Alternate #A.01.
 - 1) Please clarify the exact scope of work that is to be included in the price for this Alternate so that bidders know how to price-out this work.

Refer to sheet S-110A for the extent of this alternate.

- 2) Please explain the purpose for this Alternate and why it is considered to be an Alternate.

The alternate expands the extents of pile supports beneath the terrace slab.

- 3) What is the basis for determining whether or not this Alternate will be selected?

It will be determined if it is in the best interests of the City to accept the alternate or not.

- 4) At what point in the Schedule will the decision be made as to whether or not this Alternate will be selected?

Alternates will be selected prior to contract award.

- 5) Please clarify that this Alternate Price is an Add-On Alternate and not a Deduct Alternate.

This is an Add Alternate.

17. Spec Section 312319 – Dewatering:

- a. Section 1.8.B discusses the extent of the expected ground water contamination and makes reference to treating the extracted water prior to discharge to the North Hudson Sewage Authority and that the effluent must meet NHSA discharge requirements. With regard to these requirements, please clarify the following:
 - 1) Please provide the bidders with the NHSA discharge requirements.

North Hudson Sewerage District can be contacted at 1600 Adams St, Hoboken, NJ 07030 or via phone (201) 963-6043.

- 2) How often does the NHSA expect the Contractor to test the treated ground water for compliance with their discharge criteria?

Refer to North Hudson Sewerage District for permit compliance.

- 3) Is there a 24-hour per day maximum volume of treated ground water that can be discharged to the NHSA?

Refer to North Hudson Sewerage District for permit compliance.

- 4) Where is the nearest discharge location to the NHSA sewer with regard to this project site?

The existing condition survey identifies several sewer inlets throughout the site. Coordination with North Hudson Sewerage District will be required for an approved location.

- 5) How is the ground water treatment related to Bid Item #31.14, which is a \$2,000,000 Fixed Bid Item Allowance for the NHSA Dewatering Permit.

Bid Item 31.14 is for NHSA permit fees.

- 6) Please confirm that the Contractor will not be required to pay any fees to the NHSA for the discharge of the treated ground water to their sewer system.

Bid Item 31.14 is for NHSA permit fees.

- b. The provisions in Section 3.3.C do not appear to be consistent with the provisions in Section 1.8.B, and we believe that the statements in Section 3.3.C are not correct. For example, please clarify what is intended by the statement in Section 3.3.C that the discharged water shall be handled as hazardous waste when it is highly unlikely that the ground water extracted at this site would ever be characterized as hazardous waste. Therefore, in order to avoid unnecessary confusion, we request that the reference to the handling of hazardous ground water/waste in Section 3.3.C be deleted.

The groundwater discharge from the site will require pretreatment prior to discharge to the NHSA system. In addition, refer to Appendix C. No changes shall be made to the section.

- c. Section 3.4.A – Field Quality Control makes reference to providing “at least the minimum number of Observation Wells indicated”. However, we have not found any Observations Wells indicated on the drawings. Please clarify the number of Observation Wells that the Contractor is to provide, and please specify the depths of these Observation Wells.

Observation wells are shown on C-400 series. There are observation wells called out in plan and the symbol is within the legend on these sheets. The observation well detail is shown on Sheet C-920. There are six (6) observation wells, one for each stormwater basin.

- d. Section 3.4.C requires continual observation to ensure that subsurface soils are not being removed by the dewatering operation. Since this does not appear to be feasible to accomplish, please clarify how the Engineer expects the Contractor to meet this requirement.

Compliance with Section 312319 shall be per specification. Means and methods shall be per the contractor.

18. Vibration Monitoring:
- a. The Geotechnical Report presents a brief overview of how Vibration Monitoring should be conducted during the vibration inducing operations associated with pile driving. However, the Geotechnical Report is not considered to be a formal Bid Document and the Vibration Monitoring recommendation provided in the Geotechnical Report never made it into the Specifications. This important subject needs to be clarified so that all of the bidders understand what is expected to be provided.

Monitoring and equipment are to be provided in accordance with Specification Sections 015000 and 315000. The type and quantity of measures chosen to meet the specifications shall be part of Contractor submittals which will be reviewed in accordance with the project submittal process.

- b. While there are vague statements made in Spec Section 015000 and 315000 to Vibration Monitoring, there is nothing mentioned about conducting Vibration Monitoring in the Pile Driving Spec Section 316216, and the bidders need c more clarify on what is expected. Therefore, in order to avoid any confusion on this issue, we recommend that a new Specification Section be provided that clearly presents all of the Vibration Monitoring requirements for this project.

See response to 18.a.

- c. Please provide a new Lump Sum Bid Item for the payment of Vibration Monitoring services, which is a common practice on other projects that require Vibration Monitoring to be provided.

Vibration monitoring is part and parcel to the means and methods of completing the scope of work and should be factored into the line items for which it is required. No new bid item shall be added.

19. Spec Section 316216 – Steel Piles:
- a. It is clear from reviewing the Geotechnical Report that Steel H-Piles have been selected for this project and the H-piles are end-bearing piles that are to be driven to absolute refusal on the underlying bedrock. Since that is the case, we are confused by Paragraph 1.7 that describes the use of Static Pile Load Tests. Please confirm that no Static Pile Load Tests will be required for this project.

Static Compression Load Tests are required.

- b. However, if Static Load Tests are required then the bidders need to know exactly how many Static Load Tests are to be performed, the Pile Load Testing Criteria, and the exact locations for the Test Piles that are to be tested in this manner.

A minimum of 3 test piles are required, one at the building location, one at the palisades wall and one at the detention tank.

- c. The Geotechnical Report discusses the use of PDA Testing on five Indicator Piles. However, this information is not provided in Section 316216 or on the drawings. Therefore, please clarify the need to install Indicator Piles, the quantity of Indicator Piles, the locations of the Indicator Piles, and provide PDA Testing Specifications.

Refer to the geotechnical report.

- d. The Lump Sum Bid Item #03.06 is for the Mobilization and Testing of Pile Systems. Please clarify the Scope of the Pile Testing that is to be included in this Pay item because the bid documents are not clear on this scope of work, and the bidders need to know exactly what scope of work is to be included in the pricing of this Bid Item.

Refer to prior testing question responses.

- e. Please let the bidders know the design load capacities for all of the piles on this project.

Per Driven Pile Schedule on S-001, HP10 = 100T Axial and HP16 = 335T Axial capacity.

- f. The type of steel to be used for the H-Piles is not clear. Paragraph 2.1 describes three different possible types of material specifications for the production of the H-Piles, and the Geotechnical Report recommends the use of Grade 50, ASTM A709 for the piles, which is presents a fourth option. We believe the H-Piles should be ASTM A5720, Grade 50. However, please clarify the material specifications for the H-Piles to be used for this project.

Use "A" ASTM A572

- g. Paragraph 2.4 states that pile splices are to be eliminated. While it is in the interest of all parties to eliminate pile splices, the splices cannot be eliminated for this project due to the fact that the piles are expected to be driven to depths that exceed 100 feet below ground surface and the piles need to be delivered by normal truck-loads to the jobsite. Therefore, please delete or revise Paragraph 2.4.

Splicing, where required shall meet all code requirements for special inspections of structural steel.

- h. The Geotechnical Report recommends the use of fully-coated piles. However, Paragraph 2.5.A.1 of the Pile Specifications seems to describe what appears to be a coating system that stops 5 feet below the cut-off elevations at the tops of the piles, which is not consistent with customary practice and is not feasible to implement due to the fact that the piles will vary in their installed depths. Therefore, we request that the Section 2.5.A.1 be revised to provide for fully-coated piles.

The entire pile shall be coated.

20. Noise Control:

- a. Paragraph 3.06 of Spec Section 015000 states that the Contractor shall immediately stop work activities if the construction operations produce noise in excess of State or Local Ordinances. This broad statement needs further clarification because the very nature of the pile driving work to be performed on this project will utilize Impact Hammers that will generate noise that will likely exceed State or Local Noise Ordinances. Yet the pile-driving work will be performed during the approved work hours stipulated in Article 13 of the Hoboken General Conditions. Therefore, the Contract Documents need to be revised to include language that clearly exempts the Pile-Driving Work from being shut-down for exceedance of the State and Local Noise Ordinances as long as the pile-driving work is conducted within the approved work hours. Otherwise, this project will be impossible to perform.

Per the City of Hoboken (Local) Ordinance Article 133-4C, "Construction and demolition activities are exempt from the sound level limits set forth in Table I and II and III, except as provided for in 133-9 below." Per Article 133-9B, "Power tools, landscaping and/or yard maintenance equipment used by nonresidential operators (e.g., commercial operators, public employees) shall not be operated on a residential, commercial, industrial or public (e.g., gold course, parks, athletic fields) property between the hours of 6:00 pm and 8:00 am on weekdays or between the hours of 6:00pm and 9:00 am on weekends or federal holidays, unless such activities can meet the limits set forth in Tables I, II, or III. At all other times, the limits set forth in Table I, II, or III do not apply. All motorized equipment used in these activities shall be operated with a muffler and/or sound reduction device. Emergency work, as defined in this section, is excluded from the above restrictions." Therefore, yes, the Contractor shall immediately stop work activities if the construction operations produce noise in excess of State or Local Ordinances.

- b. There are conflicting and overlapping statements made in various portions of the bid documents with regard to the responsibility for performing Noise Monitoring that needs to be clarified. Please address and clarify the following:
- 1) In Section 011100 – Summary of Work, Paragraph 3.01.D states that an Independent Third-Party Noise Monitoring Company will be hired by the Owner to conduct continuous Noise Monitoring throughout the duration of the project.

Correct.

- 2) However, in Section 015000 – Construction Facilities, Paragraph 3.06.B.4 states that the Contractor shall provide Four Wireless Noise Monitors; and, Paragraph 3.7 of the Pile Spec Section 316216 describes how the Contractor shall provide Four Noise Monitoring Locations and perform Noise Monitoring for the duration of the Pile Installation Work.

Remove Section 015000 – Construction Facilities, Paragraph 3.06.B.4 and Section 316216 – Steel Piles, Paragraph 3.7 from the specification.

- 3) Only one party should be conducting Noise Monitoring. Therefore, please clarify which party will be responsible for the performance of the Noise Monitoring for this project.

Refer to b.1 above.

- 4) If it is determined that the Contractor is responsible for performing the Noise Monitoring, then we request that a new Bid Item be provided in the Bid Proposal to pay for this work, and we request that a new Spec Section be added to clearly describe all of the tasks and responsibilities for this specialty work.

Refer to b.1 above.

21. Bid Extension Request:

- a. Currently, the bid date is set of May 23rd. However, due to size and complexity of this project, and considering the need to provide additional clarification to the bidders on a large number of important issues, the bid date needs to be extended to provide bidders with more time to review the bid documents, submit requests for clarifications, and to estimate the cost of the work. Therefore, we request that the bid date be extended a minimum of two additional weeks.

Refer to Addenda 3.

22. Contractor's Insurance:

- a. A good example of overlapping and conflicting terms and conditions is the Insurance required by the Contractor for this project. The Insurance required by Article 23 in the City of Hoboken General Conditions is not the same as the Insurance requirements in Article 5 of the Supplementary Specifications and Article 5 of the Standard General Conditions. Please clarify which Insurance Requirements govern.

In the event of a conflict between insurance requirements contained in any contract document, the provision containing the higher policy limit(s) and/or coverage requirement(s) will govern.

23. Spec Section 055215 - Steel Canopy Structure:

- a. With regard to the statements made in Paragraphs 1.4.B and 1.5, please review and clarify the specific portions of the Canopy that need to be designed by the Fabricator because all of the primary members have been sized on the drawings. At the very least please delete the reference in Paragraph 1.4.B for the Contractor to design the primary members.

Yes, the contractor will be designing the primary members. As per the general notes on A-620, "Contractor to engineer and supply calculations, stamped by a New Jersey licensed engineer, and a delegated design package, indicating the metal panel system and all required and associated miscellaneous metal assemblies for attaching the metal panel system to the canopy structural steel."

- b. Please provide all design loads that are to be used by the Fabricator for the portions of the Canopy that are to be designed by the Fabricator. We do not see any of this information provided in the bid documents, such as: Wind Loads, Live Loads, Dead loads, Snow Loads, Seismic, etc.

All the load information is on S-001. The wind, seismic, and snow loads are in the Design Load Parameters table and the accompanying C&C wind pressure diagram, and the dead and live loads are in the Load Schedule.

- c. The Design work by the Canopy Fabricator will take many weeks to develop and incorporate into the Canopy Shop Drawings. This is yet another example of why the Submittals Milestone (see Milestone Schedule) cannot be achieved within 60 calendar days of receiving NTP.

Refer to section 011219 Phasing of the Work.

24. Code Enforcement on Drawing A-001:

- a. Note #7 makes reference to obtaining all inspections and final approval from all governing agencies, including a Certificate of Occupancy and Public Assembly Permits. With regard to this Note, please clarify which governing agencies will be involved with the Inspections and Approvals process on this project. Will the Hoboken Code Official be responsible for providing these services, or will the Division of Community Affairs (DCA) be involved with this project? Hopefully, the inspections will be performed by the City of Hoboken because the DCA is notorious for causing delays to projects when they are involved. Considering the very high amounts of Liquidated Damages on this project, the bidders need to know which governing agencies will be involved with Inspections and Approvals on this project.

The City of Hoboken Code Official shall be responsible.

25. Notice to Proceed Date:

- a. Please provide the approximate date when the Notice to Proceed would be expected to be issued for this project so that the bidders can develop a better understanding as to how that approximate date fits into the overall Milestone Schedule as well as the September 3rd Constraint that prevents the Contractor from working at the site until the first day of school.

The notice to proceed is expected on or around July 1, 2019 subject to the requirements of the contract documents.

26. Work By Others- Turf System:

- a. Please clarify the intent of the Turf System Installation, including Levelling Course, by Owner, as stated in Bid Item #32.06. While we were aware that there were OFCI Items, this work by Owner was unexpected. Please clarify how this work by Owner is to be coordinated with the Resiliency Park Contractor.

The Resiliency Park Contractor shall perform the work per plan and coordinate with the Owner for the installation of the turf by others.

- b. Also, please revise the language in Bid Item #32.06 because it incorrectly states that the Contractor is to “Furnish and Install Athletic Turf, complete”. This Scope of Work statement needs to be revised to read “Furnish and Install drainage, stone base, geomembrane liner and base material up to but excluding the leveling course for the Athletic Turf System. The Turf System, including Leveling Course, will be installed by Owner”.

Bid item 32.06 includes significantly more work than just the turf material. The title shall remain as stated.

27. Work By Others - NHSA:

- a. After reading the notes on a few of the drawings it is apparent that there is a significant amount of work that will be performed by others, namely the Low-Bid Contractor to be hired by the North Hudson Sewerage Authority for the construction of the underground pipe-works and Pump Station. The bidders need to know exactly what work will be done by the NHSA Contractor as well as what work will not be done by the NHSA Contractor. However, we have not found any notes in the bid documents that clearly describe the Scope of Work that will be performed by the NHSA Contractor. For example, how much site disturbance and site restoration will be done by the NHSA Contractor? After the completion of the work by the NHSA Contractor, in what condition will that portion of the site be left?

The limits of the NHSA work area is as shown on drawing C-800. At the completion of their work and release of the designated area of the site back to the Park Contractor, conditions will be restored to approximate existing grades of the site.

- b. There are Notes on Dwg C-810 – Phasing Plan that need to be clarified with regard to the coordination with the NHSA Contractor. Note #4 states that the Resiliency Park Contractor’s Groundwater Control System (Dewatering System) shall remain operational until the NHSA Contractor completes the connections to the IMG Tanks, which will not exceed one month. With regard to this note, we need to have it clarified that the Resiliency Contractor will not be responsible to design the Tank Dewatering System for the benefit and use by the NHSA Contractor. The NHSA Contractor must be totally and unequivocally responsible for all dewatering responsibilities required for their Scope of Work whether or not they are working within the confines of the Tank SOE or outside of the Tank SOE. Contractually, the NHSA Contractor and the Resiliency Park Contractor are separate parties and it must remain that way. The Resiliency Park Contractor cannot be responsible for any implied or assumed level of performance for the Tank Dewatering System during the work performed by the NHSA Contractor. Please make sure that this issue is made clear in the Resiliency Park Contract.

The Resiliency Park Contractor is responsible for dewatering the area within the IMG Tank SOE Wall. The reference to NHSA Contractor work is due to the fact that the NHSA infrastructure will need to connect into the IMG Tank in this contract. Therefore, the area within the IMG Tank SOE Wall will still need to be dewatered as those connections are made by the NHSA Contractor.

The Resiliency Park Contractor will not be responsible for dewatering within NHSA SOE Walls.

- c. In conjunction with the above concerns, it must be made perfectly clear in the Resiliency Park Contract that the Design of the Tank SOE is purely for the benefit of the Resiliency Park Contractor, and that the NHSA Contractor is totally responsible for all necessary temporary shoring and bracing that will be required for their work, including but not limited to the penetrations that the NHSA Contractor will be required to make in the Tank SOE System for their piping systems.

The NHSA Contractor is responsible for all necessary temporary shoring and bracing that will be required for their infrastructure. This includes the penetrations to the 1MG Tank SOE Wall for NHSA inlet pipes to the detention tank.

- d. Also, when the NHSA Contractor makes the penetrations in the Tank SOE for their piping those penetrations will breach the Tank SOE and cause flooding inside the SOE for which the NHSA Contractor will be totally responsible for dewatering.

The Resiliency Park Contractor is responsible for all dewatering within the area of the 1MG Tank SOE Wall.

28. Milestones & Phasing of the Work:

- a. The Phasing Plan Dwg C-810 show three Phases of Work but there is very little information provided on this Phasing Plan to indicate how the Three Phases will be sequenced and performed. With regard to the Phasing Plan, please clarify the following:

- 1) Can the Resiliency Park Contractor perform work at the site while the NHSA Contractor is performing work in the Phase Two Area?

Yes, the Park Contractor can work in the areas outside of the designated Phase 2 zone concurrently while NHSA's contractor works within that area.

- 2) The Phasing Plan does not show the location and extent of the South Lot that will be provided to the Contractor on August 1st, 2019, as per the Milestone Schedule. Please provide this important missing information.

The South Lot is the portion of the project site located between 12th Street to the north, Madison Street to the west, Jefferson Street to the east, and an existing housing development to the south.

- 3) Once the Contractor is provided access to the South Lot, what is the purpose of the South Lot? Is this the location where the Contractor establishes a Lay Down Yard, Parking Area and Office Trailers? Please clarify the significance of being provided Access to the South Lot.

Once a portion of the site is given over to the Contractor it is their responsibility to utilize it in the manner they deem best to

accomplishing the work in accordance with the provisions of the contract documents.

- b. Milestone #6 is a potential Constraint that needs to be better understood by the bidders. The description provided in Milestone #6 is not sufficient for any bidder to understand whether or not the lack of Access to 12th Street during the Watermain Work will adversely impact the work at the Resiliency Park Site. Therefore, please clarify the intended purpose of including the 12th Street Access on the Milestone Schedule. For example, during the 12th Street Watermain Work Period (up to June 1st, 2020) will the Resiliency Park Contractor be able to freely use other local streets to export contaminated soil and import materials to the job site with normal tractor-trailers and tri-axle dump trucks during the normal working hours? And, most importantly, will the 12th Street Watermain Work adversely impact the Contractor's ability to achieve Milestone #8, for which the Contractor can be assessed \$100,000 per calendar day for late completion. Please clarify.

The contractor is notified that access to 12th Street will be impacted during this time period. The contractor shall make allowance for this work in his/her work plan.

- c. The 365 calendar day period of time allowed for the removal of the existing Pop-Up Park Items in Milestone #9 is a big concern. The Resiliency Park Contractor needs unfettered access to the work site in order to achieve the aggressive Milestone Dates and Completion without incurring LD's. There should be no reason why the existing Pop-up Park Items cannot be removed by the end of September, 2019, and if the City of Hoboken is short-handed, then the Resiliency Park Contractor should be paid to remove the Pop-Up Park items in an expeditious manner. Therefore, we request that the duration of Milestone #9 be revised to be no later than October 1st, 2019.

Pop-up park items shall be salvaged, stored and removed per item 4 and 9.

- d. Milestone #11 should be eliminated because it really is not a Milestone. As stated in Paragraph 3.03.C of Section 011100 - Summary of Work, the delivery of the OFCI Items is purely a coordination issue where the Contractor needs to notify the Owner 90 calendar days prior to requiring the OFCI Items delivered to the site. Please note that in order to Substantially Complete the project prior to 1,095 calendar day deadline the Resiliency Park Contractor will be installing the OFCI Items long before the duration of 1,035 calendar days that is currently provided for Milestone #11.

Milestone 11 shall remain as stated.

29. Bid Proposal Items:

- a. With regard to Bid Item #00.02, please clarify the scope of work that is intended to be covered by the price provided for this Pay Item. Is the Field Office Facilities for the Contractor, or for the Owner, or for both?

Identified field offices are for the Owner and the Owners representatives. The contractor shall identify his own needs for field offices.

- b. With regard to Bid Item #00.04, please clarify the signage that is included in this Pay Item. Paragraph 3.04 in Spec Section 015000 mentions five Signs are to be provided. Is that sign quantity correct?

Refer to section 015000 for applicable signage.

- c. With regard to Bid Item #00.05, please clarify the scope of work to be performed in this Pay Item. Is the Rodent Control only required during the initial site clearing work?

Rodent control is for the duration of the project.

- d. Please clarify the amount of money to be included in the bid proposal for the Police Allowance in Bid Item #00.07. The Bid Proposal currently shows a Unit Price of \$160,000 and a Total Amount of \$20,000 for this Bid Item which should not be different amounts.

The total amount shall be \$160,000.

- e. With regard to Bid Item #00.07, please clarify the intended use of this Allowance for the Police. What services will the Police be providing for the Contractor or for the Project in general?

00.07 is for Uniformed Traffic control.

- f. Please clarify how the quantity of 16,100 CY was calculated for Bid Item #31.05 because the site will require much more excavation than 16,100 CY. Just the excavation for the Detention Tank will generate approximately 24,000 Cubic Yards.

16,100 CY was calculated as the net export from the site. This is not the total amount of material needed to be excavated, compacted or relocated on site. Item 31.05 is to be used in conjunction with 31.06 and 31.07 depending on the disposal location. The excavation needed to install each site feature shall be included in that site feature.

- g. Please clarify how the quantity of 1,600 CY of Hazardous Soil Disposal was calculated for Bid Item #31.06 and where the locations and depths for these Hazardous Soil Excavations can be found on the drawings.

The quantity of hazardous soil to be disposed is based on prior site experience. The soils classification as hazardous or non-hazardous shall be determined when stockpiled.

- h. With regard to Bid Items #31.06 & 31.07, it is customary practice to pay for the off-site transportation and disposal of contaminated soil on a Per Ton Basis. Please revise the Pay Quantity and Unit to be paid Per Ton for both Pay Items.

The unit of measure shall remain as stated.

30. Support of Excavation for Tanks:

- a. Typically, the Contractor is responsible for selecting the means and methods to be used for Shoring Systems, and typically the Contractor is responsible for the Design of the Shoring; and, for SOE of this depth the Contractor is required to hire a PE for the Design of the SOE.

A basis of design for the SOE of the underground detention tank has been included as part of the construction documentation. This does not preclude the contractor from proposing an alternate SOE strategy or from needing to provide SOE for other below grade excavations on site unrelated to the detention tank.

- b. However, the Support of Excavation Drawings (SOE-001 to SOE-300) provides a complete SOE Concept that includes sizes of sheet piles, cross lot bracing and walers; and, the SOE drawings give the impression that the SOE Design has already been done by others and that the Contractor is only responsible for purchasing and installing what is shown on the SOE Drawings.

The SOE drawings are specific to the detention tank and do not reflect SOE for other portions of the project or preclude the contractor from proposing alternate SOE methods.

- c. Also, the SOE Notes on Dwg SOE-001 do not mention that the Contractor is to perform any Design and Engineering work related to the SOE.

The SOE drawings are specific to the detention tank and do not reflect SOE for other portions of the project or preclude the contractor from proposing alternate SOE methods. The contractor is responsible for determining if the SOE meets their means and methods of construction activities.

- d. However, the SOE Spec Section 315000 states otherwise.

The SOE drawings are specific to the detention tank and do not reflect SOE for other portions of the project or preclude the contractor from proposing alternate SOE methods.

- e. Paragraph 1.4.B of SOE Spec Section 315000 states that the Contractor shall involve a PE in the preparation of the SOE Shop Drawings.

Yes, a PE is required for preparation of the shop drawings for all SOE submittals.

- f. And, Paragraph 1.7.B states that where the structural drawings indicate the design and details to perform the SOE Work, the Contractor may elect to use alternate means to perform the work.

Yes, the SOE drawings in the contract documents do not preclude the Contractor from proposing alternate means and methods that meet the performance criteria and space constraints of the project.

- g. And, Paragraph 2.1.A.1 of Spec Section 315000 states that the Contractor shall employ a PE to design the SOE System including a comprehensive analysis.

The SOE drawings in the bid set are specific to the detention tank and do not reflect SOE for other portions of the project or preclude the contractor from proposing alternate SOE methods. A PE is required per the specifications.

- h. Based on the above citations, please clarify the Contractor's Design Responsibilities with regard to the SOE for the Tanks, and confirm that the Contractor is permitted to select and design alternate means and methods for the SOE System.

The SOE drawings in the bid set are specific to the detention tank and do not reflect SOE for other portions of the project such as, but not limited to, the 50,000-gallon cistern. The SOE drawings also do not preclude the contractor from proposing alternate SOE methods that meet the performance criteria and space constraints of the project and the specifications.

- i. There is information provided in SOE Section "A" on Dwg SOE-200 that is not consistent with the structural design information provided on Dwg S-111 for the Detention Tank Foundation Slab. Please clarify the following:
- 1) The Top of Slab Elevation shown on Dwg S-111 for the pile-supported foundation slab is Elev. -13.0, which is a 12.5' higher than the Bottom of Excavation Elev. -25.5 that is shown in Section "A" on Dwg SOE-200. Please clarify this discrepancy.

Top of Detention Tank Elevation is -7.25'. Bottom of Detention Tank Elevation is the same as the Top of Mat Slab Elevation of -19.25'. The Mat Slab is 2' thick, therefore the Bottom of Mat Slab Elevation is -21.25'. The Bottom of Reinforced Subgrade is -23.5'.

- 2) A Note on Section "A" refers to a DGA/Geogrid Support Pad under the Foundation Slab that is to be designed by others. However, Note #4 on Dwg. S-111 only requires a 12" thick layer of DGA to be placed under the foundation slab. Please clarify this discrepancy.

The reinforced subgrade detail on sheet C-941 shall take precedence.

- 3) Section "A" on Dwg SOE-200 does not show a Pile-Supported Foundation Slab and the Notes do not make reference to the slab details provided on Dwg S-111. Please revise the Section and Notes accordingly.

Pile-supported foundation slab shall be per the structural sheets.

31. Dwg S-111 – Detention Tank and Cistern Tank Slabs:

- a. Sections #4 & #4 on Dwg S-111 do not show the typical thickness of the Pile-Supported Foundation Slab. It scales to be 2'-0" thick, but the bidders should not be scaling the drawings. Please clarify.

Refer to slab schedule on S-001. S24 designation.

- b. A Note pointing to Section #3 makes reference to a Slab Reinforcement Schedule, but Dwg S-111 does not provide a Slab Reinforcement Schedule, and the sections do not call-out any Rebar sizes or spacing. Please provide the missing information.

Refer to slab schedule on S-001. S24 designation.

- c. The Cistern Slab Plan does not show and typical section call-outs. Please clarify if Sections #3 & #4 also apply to the Cistern Slab.

Sections 3 and 4 apply only to the Detention tank slab.

32. Spec Section 014000 - Quality Control:

- a. Paragraph 1.7 states that a Quality Control Plan is to be submitted within 10 days of Notice to Proceed. For a project of this size and complexity this time period is not realistic or feasible. A Preliminary/Draft Quality Plan can be submitted within a 60 day period from NTP, but a complete Quality Control Plan will need more time to prepare because of the need to incorporate QA/QC information from specialty subcontractors and vendors who will not be selected that early in the schedule. Therefore, we request that the duration in Paragraph 1.7 be modified to accommodate the realistic needs of this project.

An approved quality control plan will be required before the contractor is allowed on site. It is expected the plan will be maintained and revised throughout the course of the project.

- b. Paragraph 1.10.B states that the Contractor is responsible for all tests and inspections not explicitly assigned to the Owner. It would be helpful to clarify in this paragraph all of the tests and inspections that will be performed by the Owner so that the bidders are provided with a clear understanding as to the testing and inspection responsibilities that will be assigned to the Contractor.

The Contractor is responsible for all testing and inspections unless indicated by the Owner.

33. Work Inside NHSA Pump Station:

- a. Dwg E-303 shows Electrical work and Dwg's F1.00 & F4.00 show a substantial amount of Mechanical Work being performed by the Resiliency Park Contractor in the Pump Station that is to be constructed by the NHSA. But the drawings only show a schematic plan view of the Pump Station and there are no notes that identify the Pump Station as "By Others". Please provide more information on the Pump Station Building so that the bidders can better understand how the Electrical and Mechanical work will be performed inside the Pump Station.

The Pump Station Control Building is being designed and constructed by the NHSA and is outside the scope of this project. The plan shown on the referenced sheet is for reference only. The equipment shown will need to be furnished and installed by the Park Contractor in the completed NHSA Pump Control Building after the Phase 2 portion of the site is released back to the Park Contractor for the remainder of the project.

- b. Please provide some typical sections through the Pump Station that identify where the Park Contractor is to be installing the Electrical and Mechanical Work. Show the work elevations inside the Pump Station relative to the ground elevations so that the vertical working heights can be determined. For example, the bidders need to know if the Electrical and Mechanical work is being performed on the ground floor of the Pump Station or at 30 feet below grade.

The Pump Station Control Building is being designed and constructed by the NHSA and is outside the scope of this project. Drawings of the NHSA project are not available. The grade directly outside of the equipment room in question is shown on sheet C-330.

- c. The bidders also need to know how the heavy and bulky Mechanical Equipment shown on Dwg F1.00 will be moved into the Pump Station. What access will be provided by the NHSA for this equipment to be moved into the building? We only see one Personnel Door and a small set of stairs shown on the plan drawing that will not be adequate. At least one set of Double Doors is needed along with a gantry or hoist that is incorporated into the design and structure of the Pump Station. This type of access and hoisting equipment is needed for the initial installation as well as for future maintenance and change-out of the mechanical equipment. Please clarify this important access and logistical issue.

The Contractor is responsible for determining means and methods during construction.

- d. Based on our review of Dwg E-303 and F1.00 there will be many penetrations that will need to be made below grade through the foundation walls of the Pump Station for the electrical conduits and mechanical piping. We assume that the foundation walls of the Pump Station will be constructed with reinforced concrete and the foundation walls appear to be 18” to 24” thick. Please confirm that the NHSA Contractor will be providing watertight sleeves embedded in the foundation walls for these electrical and mechanical penetrations.

The NHSA Contractor shall provide water tight sleeves in the foundation. The park contractor shall be responsible for coordination and installation of the electrical and mechanical installation.

- 34. Pile-Driving Work:
 - a. Bid Item #03.02 is for 31 Each, HP 10x57 Piles for the Fountain / Ice Rink. However, we cannot find these H-Piles shown on the drawings. Please provide the missing information.

See sheet S-110.

- b. Bid Item #03.05 is for 1 Each, HP 10x57 Pile for the Fountain Reservoir Storage Tank. However, we cannot find these H-Piles shown on the drawings. Please provide the missing information.

See sheet S-110.

- c. Bid Item #03.04 is for installing 28 each HP10x57 Piles for the Athletic Field Light Poles, and Bid Item #03.09 is for providing 7 Each Pile Caps for the Athletic Field Light Poles. However, there is some confusing information provided on Dwg LT4.0 & LT5.0 which call-out and show Musco's Precast Light Pole Foundations. Please confirm that all of the Musco Light Poles are to be Pile-Supported as per the Detail on Dwg LT5.0 and not provided with the Precast Light Pole Foundations shown on Dwg LT5.0.

All Musco Lights are to be pile supported with a precast base embedded into the pier/pile cap. Both are required. See notes on "Pile Cap Elevation" sheet L5.0.

35. Site Lighting:

- a. Bid Item #03.11 is for 83 Each Footings to be provided for Light Poles that are 35' Tall or less. Please clarify which Light Poles are to receive these footings, and please provide the Footing Details for these Light Poles.

See Light Pole Foundation Schedule on sheet S-001 and typical detail on Sheet S-510.

- b. The Light Pole Foundation Detail on Dwg S-510 makes reference to a Footing Schedule, which we cannot find. Please provide the missing information.

See Light Pole Foundation Schedule on sheet S-001.

- c. There appears to be a significant amount of Site Lighting that is shown on Dwg LT.10 but is not accounted for in the Bid Proposal. See Site Lighting Bid Items #33.47 to #33.58. We request that these discrepancies be addressed as quickly as possible, and that a revised Bid Proposal be provided with the correct Site Lighting Bid Items and correct quantities for all Site Lighting shown on Dwg LT.10. Just to provide some examples of this problem, we did not find the following Site Lighting included in the Bid Proposal: A01.1, A01.2, A03.2, A03.3, A03.4, A05.2, A06.1, A06.2, A10, A11, A12, A13.0, & A13.1. Note - other Sight Lighting may also be missing from the Bid Proposal.

Refer to updated 004322 Bid Form.

36. Appendix "A" – Site Lighting Cut Sheets:

- a. After briefly reviewing the information in Appendix "A" we are very concerned that there appears to be many Site Lighting Devices shown in this document that are not shown or called-out on the Site Lighting Drawings and are not covered by any Bid Items in the Bid Proposal. Therefore, it is the responsibility of the Engineer and the Consultants to go through Appendix "A" and make sure that

every Lighting Device included in that document is referenced or shown on the drawings through the use of symbols, legends and call-outs; and, that the Bid Proposal be revised to include all Site Lighting that is included in Appendix "A" if, in fact, all of the Lighting Devices shown in Appendix "A" are to be furnished and installed by the Resiliency Contractor. Otherwise, the cost of those items will not be included in the pricing provided by the bidders.

Symbols and tags on LT.10 plan and legend reference multiple pieces of required information in the Lighting Package in Appendix A, including schedules, cut sheets and details for each assembly type. As noted on LT.10, General Note 07, the Lighting Package provided in the Project Manual, which includes Appendix A and serves as an important part of the Contract Documents, must be referenced for a full schedule of assemblies, fixtures, component parts, poles, and controls.

A revised Bid Form is provided showing the correct assemblies as identified on LT.10. Each assembly has multiple components as referenced and detailed in Appendix A of the Contract Documents.

37. Dwg C-941 - Reinforced Subgrade:
- a. Detail #2 on Dwg C-941 is intended for the Reinforcement of the Subgrade under the Detention Tank Foundation Slab. However, this detail is not consistent with Note #4 on S-111, which requires a 10" Thick Layer of DGA to be placed under the Detention Tank Foundation Slab. Please clarify what is to be provided under the Pile-Supported Detention Slab.

Dwg C-941 reinforced subgrade details should take precedence over the subgrade shown on other drawings.

- b. Please note that since the Detention Slab is Pile-Supported there should not be any need to provide a Reinforced Subgrade because the loads are being distributed through the piles down to bedrock.

Per the Geotechnical Report, subsurface conditions require reinforced subgrade below the detention slab for structural support.

- c. Also, please note that the Geotechnical Report indicates that the subsurface conditions under the Detention Tank Slab consist of a very deep strata of WOR/WOH Organic/Clay/Muck that has no bearing capacity. Therefore, a note such as the one in Detail #2 that requires the Subgrade to be compacted under the Detention Slab to 95% Proctor cannot be accomplished. The bid documents need to recognize that the Organic/Clay/Muck layer will not behave like soil and cannot be treated like soil. Therefore, we recommend that the bid document be revised to require a minimum 9" thick, unreinforced concrete Mud Mat to be placed under the Detention Basin Foundation Slab.

The conditions below the Detention Tank Foundation Slab should be per the reinforced subgrade details shown on Dwg C-941.

38. Project Schedule:

- a. Assuming that a Project Schedule was prepared and used as the basis for the Milestone Schedule, we request that the bidders be provided with that Project Schedule so that the bidders are provided with an opportunity to review the Phases of Work, the estimated durations of the Work, as well as the Constraints on the Schedule from the Phase Two Work by the NHSA, etc.

The contractor is responsible for his/her scheduling requirements.

- b. The information provided on the Project Schedule will hopefully provide the bidders with sufficient information to assess the risk of incurring Liquidated Damages.

The contractor is responsible for his/her scheduling requirements.

39. Dwg C-400 – Storm Drainage Plan:

- a. Dwg C-400 calls-out Manufactured Treatment Device (MTD's), but we have not found any details of the MTD's on the drawings. Please provide this missing information.

Dwg C-400 has a table which displays the three options for MTDs, the manufacturer, the calculated size and model. The details for those MTDs can be found in the corresponding literature.

- b. Dwg C-400 calls-out a Temporary Force Main to connect the Phase 1 Tank to the existing storm sewer in the street. However, the type of pipe and size of pipe for the Temporary Force Main are not identified on Dwg C-400. Please provide this missing information.

The Temporary Force Main connecting to existing sewer infrastructure is a 4" diameter, schedule 40 PVC.

- c. Dwg C-400 does not identify the 48" diameter Outlet Pipes and 36" diameter Inlet Pipes as being provided By Others (the NHSA), which we believe is the case. Please add those notes to this drawing to make this clear.

The 48" diameter outlet pipe from the exterior sump structure is provided by others. The three (3) 36" diameter inlet pipes into the one-million-gallon system are provided by others.

40. Dwg C-927 - Subsurface Tank Details:

- a. Dwg C-927 calls-out Temporary Discharge Piping from the External Outlet Sump to the existing storm sewer in the street, but the size and type of the pipe is not provided. Please provide this missing information.

See response to #39.b.

- b. Section E-E on Dwg C-927 shows a 4" Diameter Temporary Discharge Pipe that is connected to the External Outlet Sump, and for some reason is being routed into the Precast Tank. This arrangement of the 4" piping is confusing because the Temporary Force Main from the Sump Pumps should be routed vertically up

through the Outlet Sump Structure and exit horizontally at an elevation that is expected to be roughly 4 feet below grade. The Force Main should not be routed through the Precast Tank. Please clarify the routing of the Force Main from the Outlet Sump Structure.

The Contractor may propose an alternate configuration through the shop drawing and submittal process after award of the contract.

41. Dwg C-928 – Temporary Discharge Pump System:
- a. With regard to the Temporary Pump System, please clarify the purpose and need for the Temporary Pump System and the period of time that it will be used.

The need for the Temporary Pump System is due to the difference in construction schedules between the NHSA Pump Control Building and Force Main project and the Park project. The NHSA controlled pump station will not be on-line in conjunction with the completion of the Resiliency Park. The detention tank, which will be receiving and managing the park related runoff at completion of the Resiliency Park project needs to maintain independent utility until the NHSA project reaches completion. The temporary pump system will serve to discharge stormwater accumulated in the detention system in this interim condition.

- b. Since the power for the Sump Pumps will originate from the Pump Station that is to be constructed by the NHSA Contractor, it is assumed that the Sump Pumps will not be made operational until after the new Pump Station is complete. Is that correct?

Power will originate from the Pump Control Building which will be complete before the end of the Park Construction timeline.

- c. Will all components for the Temporary Pump System remain in-place when no longer needed?

Yes, the Temporary Pump System (within the exterior sump) will work to power the flushing system to clean the detention tank once NHSA's infrastructure is operational.

- d. There is insufficient technical information provided in the bid documents to obtain a firm quote on the Pumps and Controls for the Temporary Discharge System. Therefore, please clarify the following:

- 1) Please provide information on the Flow and, or Head required for the pumps.

The maximum flow rate for the temporary pump is 468 GPM (1.04 CFS) per sheet C-928 of the plan set.

- 2) Please provide Pump Size and Horsepower.

Two (2) 4 horsepower pumps.

- 3) Please clarify how the Starter Panel is to tie-in with the “Opti” Panel.

The Starter Panel shall be tied-in to the “Opti” Panel per control panel manufacturer specifications.

- 4) Please clarify if the Control Panel can be furnished by an “equal” supplier.

The control panel shall be as manufacturer by Flygt, or approved equal, and be suitable for use with pump system per sheet C-928 of the plan set.

- 5) Is the Pump Supplier to provide the Panel with Starters, Breakers and Pump Protection.

The pump supplier is to provide the panel with starters, breakers, and pump protection.

- 6) Please clarify the Starters and Breakers that are required for the pumps.

Starters and breakers shall be required as necessary to meet the performance standards outlined in Section 33441-6 of the specifications.

42. Dwg E-303 – Electrical Pump House:

- a. Dwg E-3-03 does not show the Electrical Service for the Temporary Duplex Sump Pumps that are shown on Dwg C-400. Dwg E-501 also does not show this information on the Electrical One-Line Diagrams. Please provide this missing information.

The power for the duplex sump pump is to be routed from the park equipment room in the basement of the NHSA Pump Control Building.

43. Dwg C-140 - Site Demolition:

- a. Please clarify the notes that state that the existing chain link fence along Madison Street is to remain until the Right of Way Work commences. We are not sure what work constitutes the Right of Way Work. Please define what that means and when it will be started, and who is doing that work.

The Right-of-Way work is the proposed work outside the existing property line. The property line is shown on the C-series of drawings. Refer to legend for linetype. The Contractor is responsible for the proposed work within the Right-of-Way.

- b. Please provide information on the Steel Pipe Piles that are to be removed. How were they constructed? Are they to be removed and disposed? Are they supported on Concrete Footings, or driven into the ground?

The demolition drawings show the approximate locations of legacy piles from prior site uses.

44. Dwg C-500 & P-100 – Gas Main Work:

- a. As per Dwg C-500, Two Gas Mains are to be brought into the site to feed the Café and the Pump Station and the at two locations. However, only the 3” Gas Main feeding the Café is shown on Dwg P-100. Please clarify.

The gas main coming from Adams Street to the Park Building is within the Resiliency Park Contracting scope. The gas main coming from 13th Street to the Pump Station is within the NHA Contracting scope and is shown for coordination purposes only.

- b. The Bid Proposal only includes Pay Items for the 3” Gas Main that feeds the Café. See Bid Items #33.09 & #33.10. The Bid Proposal does not include a Pay Item for the Gas Main that feeds the Pump Station.

See response to #44a. The gas main feeding into the Pump Station is not within the Resiliency Park Contract scope.

- c. All Gas Main Work that is performed up to and including the Meter is typically performed by the Utility Company, which would be PSE&G. Please confirm and clarify this work allocation.

PSE&G will be performing gas main work.

45. Dwg R-101 – Ice Rink Layout:

- a. A Note on Dwg R-101 states that the Portable Ice Rink Chiller is By Others. Is there any other Ice Rink related equipment that is to be provided By Others? For example, is the Sport Ice 248LE Ice Resurfacer to be supplied By Others?

The contract includes piping, vaults, connections, and snow melt equipment with associated MEP equipment in NHA Pump Building as shown on the drawings and specifications. Portable Ice Rink system, Ice Rink Chiller, Resurfacer, and other temporary ice rink accessories to be provided by the owner.

- b. Paragraph 2.1 of Spec Section 132000 states that the Resiliency Contractor is to provide the main piping connections from the Mechanical Room location to the Rink Floor as indicated on the drawings. However, Dwg R-101 only shows the 6” HDPE Piping from the 4’x4’ Concrete Vault to the Chiller Pad. Is the piping shown on Dwg R-101 the only Ice Rink Piping to be provided by the Resiliency Park Contractor? Please clarify.

Ice Rink Main Piping connects the Chiller Pad to the rink floor area vault as shown on the drawings.

- c. With regard to the Chiller Pad, the plan view on Dwg R101 shows a double set of lines around the perimeter, suggesting a curb or wall around the perimeter of the pad area, but the detail on Dwg R-102 does not show a curb or wall. When we looked at the Landscape Drawings, we also were not able to find any walls for the Chiller Pad. However, Dwg L-833 does shows a heavy dashed line (the symbol for a Low-Relief Board Finish) around the Chiller Pad, but this drawing does not show a double line around the Chiller Pad that is the symbol for a wall. Therefore,

please clarify if the Chiller Pad is to be surrounded by a curb or wall, and if so, please provide the necessary details.

Refer to Site Plan C200 for the correct location of the Chiller Pad and L600 for the perimeter treatment - perforated metal fence and gate. The Chiller Pad will not include a concrete wall.

46. Spec Section 132000 – Ice Rink Piping:
- a. Paragraph 1.4 of Section 132000 delegates the Design of the Ice Rink Piping to the Resiliency Park Contractor’s Engineer. This is yet another reason why it is not possible for the Contractor to meet the arbitrarily assigned Milestone in the Milestone Schedule for the completion of all Submittals. Therefore, we request, again, that the Submittals Milestone be deleted because it is not possible to achieve completion of that Milestone.

Refer to section 011219 for additional information.

- b. The bid documents need to provide sufficient design information on the drawings for bidders to be able to determine the scope and cost of the Ice Rink Piping. Currently, it does not appear that the Ice Rink drawings provide sufficient bidding information. Please address this issue and provide sufficient Ice Rink Piping information on the Ice Rink drawings for bidding purposes.

Ice Rink Piping in this bid includes Main Piping and capped connections from the chiller pad to rink area vault for seasonal connection to a temporary portable rink system (portable system is not in contract). The Main Piping plan is shown on R101 with Details on R102.

- c. Paragraph 1.2 identifies Insulation and a Jacket for the Ice Rink Piping. But, this information is not shown on the Ice Rink Drawings. Please provide the missing information.

Refer to details on R102.

47. Dwg F5.02 – Suction & Gravity Schematic:
- a. Dwg F5.02 calls out two different pipe sizes for the Suction lines that are served by the Five P-1 Pumps. Please clarify if these pipes are to be 3” diameter or 4” diameter.
4”.
 - b. Dwg F5.02 calls-out two different pipe sizes for the Main Filter Suction Piping. Please clarify if the Main Suction Pipe is to be 2” diameter or 3” diameter.
3”.
 - c. A Note requires the separation (“as far apart as possible”) of Two each, 2” diameter Drain Lines that are to be directed to the Sanitary Sewer. Please specify the minimum separation distance that is desired between these two lines.

The maximum distance conditions will allow.

48. Spec Section 131213 – Exterior Fountains:
- a. Paragraph 1.1.A of Section 131213 requires the design and engineering work for the Stationary Foundation to be performed by the Resiliency Park Contractor. This is yet another reason why it is not possible for the Contractor to meet the arbitrarily assigned Milestone in the Milestone Schedule for the completion of all Submittals. Therefore, we request, again, that the Submittals Milestone be deleted because it is not possible to achieve completion of that Milestone.

The Contractor is not responsible for design and engineering work for the fountain.

- b. With regard to the Contractor's Design responsibilities, we see pipe sizes, pumps and controls and other equipment sized and specified on the Fountain Drawings and in Spec Section 131213. Therefore, please clarify what specific parts of the Fountain System needs to be designed by the Contractor.

The Contractor is not responsible for design and engineering work for the fountain.

- c. The bid documents need to provide sufficient design information on the drawings for bidders to be able to determine the scope and cost of the Stationary Fountain construction. Since the completed Design will be performed after the contract is awarded, please confirm that the drawings provide sufficient Fountain construction information for bidding purposes.

The Contractor is not responsible for design and engineering work for the fountain; the design and engineering are complete.

- d. Paragraph 1.2.C identifies Four Scopes of Work that are to be provided by Other Separate Contractors. This important information is not identified on the Fountain Drawings, and if true, this work By Others would present unwelcome scheduling and coordination issues for the Resiliency Park Contractor. Please clarify whether or not the statements made in Paragraph 1.2.C are correct. If these statements are true, then we request that the Foundation Drawings be revised to clearly identify and delineate all of the Fountain Work that is to be performed By Others.

The Park Contractor is responsible for this work and for scheduling these trades and sub-contractors accordingly.

- e. Paragraph 1.8.D is unacceptable. The responsibility for all Fountain Maintenance after the completion of the Contract Work is the Owner's responsibility and not the Contractor's responsibility. Please remove Paragraph 1.8.D in its entirety.

A bid for maintenance for the first 2 years, for the tasks specified, is required as part of the project.

49. Dwg C-500 – Utility Plan:

- a. A Note on Dwg C-500 along Thirteenth Street (near the new Pump Station) states that the existing Waterline is to be removed from Site Perimeter to Proposed Connection Point on-site. However, this Note is not sufficient for bidders to understand what is intended and how to price-out this work. Please revise this drawing to graphically show the exact limits of this waterline removal work by using the conventional practice of placing diagonal slash marks along the existing waterline that is to be removed, and by pointing to this work with the call-out note.

See sheet C-140 for extents of existing on-site water main to be removed. See sheet C-500 for corresponding callouts south of the Park café building and north along 13th Street near the NHSA pump building indicating the valve locations which mark the extents to be removed.

- b. At the intersection of Thirteenth Street and Jefferson Street Dwg C-500 shows a new Sanitary Sewer tie-in with an unidentified existing manhole or existing sewer in the street. However, the drawing does not provide any information on the existing sewer or manhole, and no invert elevation is provided for the tie-in. While there is some related information shown on Dwg P-100, Dwg P-100 does not show the tie-in location at this intersection. Please provide the missing information on Dwg C-500 so that the bidders understand what is intended at the Sanitary Sewer Tie-In.

See Dwg C-120, Existing Conditions, for existing sanitary manhole. The callout shows rim and invert elevations.

- c. If there is no existing Sanitary Sewer Manhole at Jefferson Street to construct the new Sanitary Sewer Tie-in then a new Sanitary Manhole needs to be provided as per conventional engineering practice. Please provide details of this Tie-In.

See response A.49.b.

- d. Dwg C-500 shows Four Locations where existing watermains are to be relocated on Thirteenth Street and Adams Street. However, Dwg C-500 does not provide any of the essential information that is required for bidders to provide firm pricing for this major amount of Watermain Relocation Work. Please provide the size of the new watermain, specifications on the type of pipe and type of joint that is to be provided for the new watermain, and provide information on the size, age and type of the existing watermain, and provide details on how the tie-ins are to be constructed.

The existing water mains are 8” DIP. Proposed water mains are to be 8” DIP and meet all code requirements.

- e. Also, please clarify why the existing watermain’s need to be relocated because that information is important for bidders to understand as well.

The existing watermain needs to be relocated due to the proposed raingarden bump outs which have an excavation depth that is in conflict with the existing watermain. See the C-400 series for raingarden bump out locations.

- f. With regard to the relocation of the existing watermain's please confirm that the City of Hoboken will be responsible for shutting down the mains prior to the commencement of the watermain relocation work.

The contractor shall be responsible for de-energizing the watermain for their work. The contractor shall utilize existing valves or install isolation valves if and when the existing infrastructure is deficient or insufficient.

- g. Please clarify during what Stage or Phase of the Project the Watermain Relocation Work is to be performed.

The Contractor shall determine the phasing of the water main work as part of their required CPM schedule submissions.

50. Dwg P-100 – Plumbing Site Plan:

- a. A Note on Dwg P-100 points to the Fountain Subterranean Collector Tank and states that the Tank is By Others. Please clarify who provides the Fountain Collector Tank. Will the Tank be provided by the Resiliency Park Contractor or by some other party?

The tank is to be provided by the Resiliency Park Contractor.

- b. A Note on Dwg P-100 points to the existing City Water Main and states that the new 4" CW Domestic Water Service Pipe for the Park Building Café is to be connected to the existing Water Main that traverses through the site in a North-South direction. However, the drawing does not provide any information on the size of the existing watermain, the type (Ductile Iron, Cast Iron, etc.) of watermain and its age; and, the drawing does not specify the method of making the connection with the existing watermain, such as with the use of a Wet Tap. Without this information being provided the bidders are not able to provide a firm price for performing this work. Please provide the missing information.

The water main is an 8-inch diameter. The contractor shall be responsible for de-energizing the watermain for their work. The contractor shall utilize existing valves or install isolation valves, if and when the existing infrastructure is deficient or insufficient.

- c. Dwg P-100 does not show any of the Watermain Relocation Work along 13th Street and on Adams Street or provide any Notes that direct the bidder's attention to the need to look on Dwg C-500 for this major amount of Watermain Relocation work. Please revise Dwg P-100 to provide this missing information so that bidders are provided with a clear understanding of the major amount of Watermain Relocation Work that is required for this project.

Refer to sheet C-500 for watermain relocation work.

51. Removal & Salvage of Existing Park Items:

- a. The Notes on Dwg C-140 provide clear and reasonable direction regarding the removal and salvaging of the existing Park Items. Those Notes require that the Contractor remove, store on-site, and protect the items that are to be removed and

salvaged. All salvaged items will be picked-up and transported off-site by others (the City of Hoboken). However, the second sentence of Paragraph 2.1.A of Spec Section 024113 – Site Demolition is not consistent with the Notes on Dwg C-140 , and adds additional responsibilities that are not reasonable or in accordance with customary practice, and we request that the second sentence be deleted from Paragraph 2.1.A. It should be the Owner’s responsibility to “clean, package and label the salvaged items”, and that process should be performed at the location where the salvaged items will be stored by the Owner.

No changes shall be made to the requirements of the specification.

52. Spec Section 018113 – Sustainable Design Requirements:

- a. The public will benefit from the Sustainable Design Features that have already been incorporated into the Design for this project. However, we request that all SITESv2 construction-related requirements be deleted from this Public Works Construction Contract due to the higher administrative costs of implementing the SITESv2 Program and the expectation of incurring higher construction costs when the Contractor is restricted to purchasing materials and services from a small pool of “elite” suppliers who are able to comply with the esoteric sustainability requirements that are stipulated in Section 018113. Public Works Contracting is based on the fundamental principle of unrestricted competitive bidding practices that promote the delivery of public works at the lowest cost to the public. However, the Sustainable Design Requirements in Section 018113 will increase the Contractor’s and Owner’s administrative overhead costs to manage the SITESv2 Program during the construction of this project, and Section 018113 will interfere with the ability of the Contractor to freely purchase the necessary materials and services at competitive pricing in an unrestricted manner. It is certainly not in the public interest for the taxpayers to pay the higher administrative and construction costs of complying with the SITESv2 Program when the public will not receive any added value or benefit from paying those higher construction costs. Therefore, it will best serve the public interest to delete Section 018113 in its entirety from this Public Works Contract.

No changes shall be made to the requirements of the specification.

53. Structural Steel Framing for Bridges and Boardwalks:

- a. There is no information provided on the Structural Dwg S-112 or S-114 that specifies the type of Steel or the type of corrosion resistant coating system that is required for the structural steel framing for the Bridges and Boardwalks. For now, we are assuming that the steel is to be Grade 50 and Hot-dipped Galvanized. Please confirm.

Refer to S-001 General Notes – Structural Steel – note #9 for clarification regarding exterior steel.

- b. Also, it is unclear as to which Spec Section applies to these steel members. For now, we are assuming that Section 0512000 is the applicable section. Please confirm.

Section 0512000 is applicable to structural steel.

54. Spec Section 323116 – Fences and Gates:

- a. Paragraph 2.2.A requires the Contractor to hire a Professional Engineer to perform “Delegated Design” for the Fence and Gates. This Delegated Design requirement is not customary practice for Fence and Gate construction and we fail to see the purpose and need for this unnecessary task. The Fence and Gates are already designed and detailed on the drawings and the specifications provide all of the necessary product information. There should not be any reason why additional Engineering analysis is needed for the Fence and Gates. Therefore, we request that the Delegated Design requirement be deleted.

Delegated design is required to ensure the fence and gate systems will meet the performance requirements specified.

- b. If this Delegated Design task is not deleted from the Contract this is yet another reason why the arbitrarily assigned completion date for Submittals on the Milestone Schedule is impossible to achieve.

Refer to the phasing of work milestone schedule, as needed.

- c. Paragraph 2.2.C makes reference to Lightning Protection Systems and Fence Grounding. This is not a Design-Build Project. Therefore, if the Fence and Gates on this project are to be provided with a Lightning Protection System then that work needs to be designed by the Engineer and shown on the Electrical Drawings since Grounding is Electrical Work. Please clarify.

Omit Lightning Protection and Grounding.

- d. Paragraph 1.9.A.2 requires a 20-Year Special Warranty Period which is well beyond the normal and customary practice of providing a One year Warranty. This Contract already provides a One Year Warranty in the General Conditions which is a typical warranty period for all of the work that is included in this contract. Therefore, we request that the 20-Year Special Warranty requirement be deleted.

This is a manufacturer’s warranty; performance of contractor-selected product must have an equivalent manufacturer’s warranty of 20 years.

- e. Paragraph 3.5 requires tests to be performed and reports to be prepared. We are not aware of any standard types of fence tests that would need to be performed. Therefore, we request that this paragraph be clarified or deleted.

No field testing will be required.

- f. We do not see any specifications for the 4’ High Add-Alternate Fence that is detailed on Dwg L842, and is not made from the Welded Wire Mesh. Please provide this missing information, which needs to specify not only the metal fence components but also the Salvaged Wood Posts that are called-out on Dwg L842.

4' High Add-Alternate Fence to consist of the following components and meet the performance and applicable material requirements as specified in Section 323116:

Fence Infill:

Manufacturer may include the following, or approved equal:

- 1. Webnet**
Jakob Rope Systems
2665 NW 1st Ave
Boca Raton, FL 33431
561-330-6502
info@jakob-usa.com

- 2. X-Tend**
Carl Stahl Décor Cable
660 W. Randolph St
Chicago, IL 60661-2114
312.474.1100
www.decorable.com

Products:

- 1. Cable Mesh Infill: Type 316 stainless steel 1.5mm nominal diameter wire rope complying with ASTM A 580/A 580M joined with 316 stainless steel ferrules, with 40mm apertures oriented vertically.**
- 2. Perimeter Cable: Type 316 stainless steel 8mm diameter wire rope.**
- 3. Attachments: Type 316 stainless steel adjustable rope clamp with threaded attachment to wood post.**

Fence Posts:

- 1. Pressure treated timbers salvaged from Pop-Up Park on site. Store and Protect wood until installation. Cut to fit dimensions shown on drawings.**
- 2. Galvanized adjustable post base, Simpson Strong-Tie or approved equal, anchored to post footings.**

Gate:

- 1. Frame: 2"x2" Type 304 or 316 Stainless Steel Tube, powder coated per Section 050513 Shop Applied Coatings, and meeting requirements of Stainless Steel Tube per Section 057310 Site Railings.**
- 2. Type 316 Stainless Steel hinges compatible with anchoring in wood and steel tube.**
- 3. Powder-coated steel self-latching, padlock compatible, gate latch.**

55. Spec Section 050513 – Powder-Coating:
 - a. The 15-Year Warranty provisions in Paragraph 1.10 for Powder Coated Finishes are not acceptable and we request that this be deleted. The Standard One-year Warranty is the only warranty that can be provided by the Contractor for all of the work in this Contract in accordance with standard and customary practice.

This is a manufacturer’s warranty; performance of contractor-selected product must have an equivalent manufacturer’s warranty of 15 years.

56. Spec Section 057310 – Site Railings:

- a. Paragraph 1.4 requires the Contractor to hire a Professional Engineer to perform “Delegated Design” for the Railings that are already designed and detailed on the drawings and covered in the specifications. We fail to see the purpose and need for this unnecessary task. There should not be any reason why additional Engineering analysis is needed for the Railings shown on the drawings, most of which are actually decorative curbs along the perimeters of the Bumpouts, Bridges and Boardwalks and serve no structural purpose or safety function whatsoever. The Stair Railings are time-tested, standard, 1 1/2 “diameter steel pipe railings that also do not need any comprehensive engineering analysis. Therefore, we request that this Delegated Design requirement be deleted.

Delegated design is required for handrails to ensure they will meet the performance requirements specified.

- b. If this Delegated Design task is not deleted from the Contract this is yet another reason why the arbitrarily assigned completion date for Submittals on the Milestone Schedule is impossible to achieve.

Refer to the phasing of work milestone schedule, as needed.

- c. Paragraph 1.6 requires Preconstruction Testing of Mockups, which is not a customary practice or typical procedure that is required for types of railings that are to be used on this project. As stated above, most of the Railings are non-structural curbs and the Handrails follow standard time-tested details and designs that should not need to undergo any Mock-Up testing. Therefore, we request that this unnecessary Mock-up Testing procedure be deleted from the Contract.

Preconstruction mock-up testing may be omitted.

- d. The requirements in Paragraphs 1.7 and 1.9 for the submittal of Samples and Mock-ups are also not necessary for the railings to be used on this project and we request that all such provisions in Section 057310 be deleted, as well as in the Powder-Coating Spec Section 050513.

All mock-ups and samples are required as specified.

57. Dwg L-600 – Site Furnishing Plan:

- a. Dwg L-600 is the Site Furnishing Plan that shows the location of the Railings. Based on our review of Appendix A – Site Lighting we see that two sets of Stairs are to be provided with Illuminated Railings: the Jefferson Stairs and the Terrace Stairs. However, Dwg L-600 does not identify the locations of the Jefferson Stairs or the Terrace Stairs and the Illuminated Railings are not identified or called-out in any Notes on Dwg L-600 or through the use of Symbols in the Legend. Please revise Dwg L-600 to provide this missing information.

Refer to LT.10 for Lighting Plan including locations of handrail lights.

58. Bid Date Extension:

- a. Please issue a new Bid Date for this project by the end of this week, tomorrow, May 10th. The bidders and their prospective subcontractors and vendors need to know by the end of this week what the new bid date will be. Some potential Subcontractors and Vendors have declined to bid this project due to the lack clear bidding information and to the lack of time. The bid date needs to be extended by at least an additional two weeks, so that there is sufficient time to resolve the many unresolved and important bidding questions.

Refer to Addenda 3.

59. Spec Specification 033000 - Architectural CIP Concrete:

- a. This Architectural Concrete Specification does not make reference to the specific concrete work that is to be constructed in accordance with this Spec Section. Paragraph 1.2.A states that this Spec Section applies to cast-in-place concrete as indicated on the Drawings. However, the drawings do not provide this information. This is important bidding and construction coordination information that needs to be furnished. The bidders should not need to make assumptions regarding the work that is to be constructed in accordance with this Spec Section. Please revise this Spec Section to indicate which specific concrete work is to be constructed in accordance with this Spec Section.

Please see Interior Finish Schedule on A-600 and the Interior Elevations on A-400 and A-401 for locations of the architectural concrete.

60. Spec Specification 033311 - Architectural CIP Concrete – Site Work:

- a. This Architectural Site Work Concrete Specification does not make specific reference to the Site Walls that are to be constructed in accordance with this Spec Section. Paragraph 1.2.A states that this Spec Section applies to cast-in-place Site Walls at locations indicated on the Drawings. However, the drawings do not provide this information. This is important bidding and construction coordination information that needs to be furnished. The bidders should not need to make assumptions regarding the work that is to be constructed in accordance with this Spec Section. Please revise this Spec Section to indicate which Site Walls are to be constructed in accordance with this Spec Section.

This specification section applies to all exposed concrete site walls, including retaining walls and seat walls, as shown on the Site Plan C200 and Materials Plan L300; Finishes as specified for exposed side of each wall are shown on 1/L833.

61. Coloring of Concrete:

- a. Concrete Colors are referenced in Spec Section 033311, but it is not clear from the drawings which Site Walls or Stairs are to receive integral concrete coloring. Dwg L-833 calls out Colors for the Climbing Wall, but we have not seen Colors called-out on the other drawings. Please clarify which Walls receive Coloring.

All exposed concrete site walls, including retaining walls and seat walls, as shown on the Site Plan C200 and Materials Plan L300, are to include color additive to be selected through the submittal process as specified.

- b. We do not recommend the use of Integral Concrete Coloring for this project due to very high cost issues and quality issues associated with that method. On a recent nearby project the delivered cost for Integrally Colored Concrete was twice the price as normal concrete, and that project only required one Color. This project has selected several Colors, which will be even more costly to obtain, assuming that the Redi-Mix Concrete Supplier is willing to provide pricing for more than one Color. Therefore, we recommend that the Coloring of the Concrete on this project be achieved through the use of Concrete Stains, which we have successfully used on other concrete work, and Concrete Stains will result in a more uniform finished product at a lower overall cost. Please clarify that Concrete Stains can be used on this project in lieu of Integrally Colored Concrete.

For bidding, provide costs for the integral colored concrete as specified. There will be two colors selected through the sample submittals process; one main color for most walls and one highlight color on discrete wall panels. This does not preclude the Contractor from offering alternates during Construction.

62. Dwg S-111 – Detention Tank Slab:

- a. Please add a Construction Joint Detail to this Drawing because the concrete for the IMG Detention Tank Slab will be placed over a period of several days and Construction Joints will be necessary.

Refer to typical detail construction joint in framed slab on S502.

- b. Please clarify whether or not there are any restrictions as to where the Construction Joints are to be located for the IMG Detention Tank Slab.

Joint locations to be provided for EOR review and approval as part of the shop drawings.

- c. Please indicate on this drawing whether or not any Expansion Joints or Contraction Joints will be required in the IMG Detention Tank Slab. If so, then please provide Details of these joints as well as the spacing of these joints.

Joints are not required.

- d. It would be helpful if the Title Block on this drawing were revised to identify the Cistern Slab in the title of this drawing.

Noted.

63. Concrete Notes on Dwg S-001:

- a. Concrete Note #4 on S-001 is not clear regarding the type of Rebar to be used on this project. Please clarify whether or not any Rebar on this project is to be Epoxy Coated, as the other structural drawings do not specify the type of Rebar to be used

for any of the cast-in-place concrete. For now, we are assuming that all Rebar is uncoated, Grade 60 deformed bars. Please confirm.

Confirmed.

64. Palisades Climbing Wall:

- a. The bid documents do not provide sufficient information to bidders on how this major playground feature is to be constructed, and the Palisades Climbing Wall needs important clarifications to be provided in order to address the issues outlined below.

Noted.

- b. There is no specific reference in the Specifications that applies to the Climbing Wall. Please provide this information. Is the Climbing Wall to be constructed according to Spec Section 033311?

The Climbing Wall is to be constructed according to structural and mix specifications in Section 033000 – Cast-In-Place Concrete, with finishes specified in section 033311 – Architectural Cast-In-Place Concrete, Site Work.

- c. The information on Dwg S-112 provides a plan view of the Climbing Wall and this drawing indicates that a 12” thick Cast-in-Place Retaining Wall is to be constructed for the Climbing Wall. There is no information on this drawing that indicates the size and spacing of the steel reinforcement that is required for the Climbing Wall; and, there are no cross-sectional references made on this drawing to the structural cross sections that apply to this wall, and there are no notes on this drawing that refer to the other drawings that pertain to the Climbing Wall, such as Dwg L832. Please provide this missing information.

Refer to typical retaining wall sections on S510.

- d. There are Typical Retaining Wall Sections provided on Dwg S-510 but there are no notes or call-outs that indicate which typical sections are applicable to the Climbing Wall and the Typical Sections are not cross-referenced back to any plan sheets as per customary practice. Please provide this missing information.

These are typical details and they apply to all project retaining walls, climbing wall included.

- e. Dwg L-832 is not identified in the Title Block as being specifically for the Climbing Wall, but all of the details on this drawing apply to the Climbing Wall. This drawing shows a Climbing Wall that is highly articulated with climbing features and patterns, but there is no information on this drawing that indicates how these features are to be constructed. Also, the Climbing Wall on this drawing is not a 12” thick Retaining Wall as indicated on Dwg S-112. The Climbing Wall on Dwg L-832 varies considerably in thickness, from a minimum of 10” to 20” thick. From what we can see, none of the information shown on Dwg L-832 has been coordinated with the structural information on Dwg S-112 and Dwg S-510. Please clarify.

As noted, the Palisades Wall is a highly articulated concrete wall that varies in thickness. Typical structural details and notes from S-510 should be applied to the wall layout as detailed on L832 and verified through the submittal process. Wall is to be 12” thick at a minimum. Follow L-832 for further clarification regarding wall thickness.

- f. Typically, highly articulated and textured finishes on concrete walls are achieved through the use of Form Liners that are made by companies such as Greenfield Architectural Form Liners. Please indicate whether or not a specific Form Liner is the basis of the highly articulated and textured design shown for the Climbing Wall on Dwg L-832. Form Liners produce a wide range of finishes and textures and are less costly than using wood boards. Alternatively, if the intent is for the Climbing Wall to be constructed with the use of very expensive, custom-made wood forms then the bidders need to be provided with clear direction on that major cost item.

For bidding, provide cost for board-formed finish using wood boards as specified and shown in drawings. This does not preclude the Contractor from offering alternates during Construction.

- g. Please revise the bid documents for the Climbing Wall as quickly as possible to provide a complete and coherent set of construction details to the bidders that show how the Climbing Wall is to be constructed.

The Palisades Wall/Climbing Wall is an articulated cast-in-place textured wall with varying thicknesses. Form, layout, and finish details of the wall are described in the landscape drawings and specifications; structural drawings and specifications detail typical reinforcing and footing requirements that should be applied to the wall and verified through required shop drawing submittals.

- 65. Architectural and Precast Concrete for Café and Community Center:
 - a. There are indications on the Architectural Drawings that Cast-In-Place and Precast Concrete Components are to be integrated into these two buildings. However, the Architectural Drawings do not provide sufficient information for bidders to understand this scope of work and to determine the costs and pricing of this work. Please provide revised information on the drawings and in the Specification to resolve this important issue.

Please see below answers for clarification.

- b. Dwg S-401 provides two Sections that indicate Cast-In-Place Concrete and Precast Concrete Panels for the buildings. But these two details are not cross-referenced to any other drawings, which makes it impossible to understand where these two details are applicable. Also, these two Sections do not indicate the thickness or heights for the Cast-In-Place Concrete and the Precast Concrete. Please provide the missing information so that the bidders can determine the cost and pricing of the work shown on this drawing.

Please refer to S-103 for the S-401 section cut locations. Detail 7 on A-613 indicates the thickness of the CIP concrete. The heights are indicated on the Elevations on A-201 and A-202.

- c. The Exterior Cladding Details on Dwg A-613 appear to show Precast Concrete Panels, but no information is provided other than attachment details. No Notes identify the panels as Precast Concrete, the thickness of the Panels is not provided. Without this fundamental information, it is not possible for bidders to be able to determine the cost and pricing for this work. The drawing also does not identify which buildings are to receive this cladding. Please provide the missing information.

The detail on A-613 has an S-1 finish tag for the exterior cladding. The Interior and Exterior Finish Schedule on A-600 indicates that S-1 is granite stone cladding and not precast concrete panels. It also mentions the manufacturer and thickness of the panels. Both volumes are cladded with these panels. Please refer to the finish tags on the Elevations on A-200 and A-201 for locations and sizes.

- d. The Volume #1 and Volume #2 Exterior Elevations for the two buildings appear show some type of Exterior Cladding System that is panelized, but there are no notes or call-outs on these Elevation that indicate what the Exterior Cladding is made of, these drawings do not cross reference information that may be on other drawings that pertain to the Exterior Cladding. Please provide the missing information.

Please see the finish tags on the Elevation drawings and refer to the Interior and Exterior Finish schedule on A-600.

- e. If Precast Panels are to be provided for these buildings then an Architectural Precast Concrete Specification Section needs to be provided for the Precast Panels. For example, what type of concrete is to be used for the precast panels, what color is to be used, what texture is to be used, and has a specific Precast Cladding System or Manufacturer been used as the basis of design? Please clarify.

As per above, precast panels are not listed as part of the building design. See finish tags noted in Elevation drawing, A-200 and A-201, and refer to finish schedule, A-600.

- 66. Buy American Requirements:
 - a. There are two documents in the set of bidding documents that specify the need to Buy American products: the March 20, 2014 Memorandum from the EPA and the Hoboken General Conditions. However, these two documents do not provide consistent information to the bidders regarding the Buy American Requirements for this project. The EPA Memorandum provides a limited list of products that are covered by their Buy American Requirements. However, Article 37 of the Hoboken General Conditions cites the New Jersey Buy American Statute that covers all products. We believe that the NJ Statute takes precedence over the EPA Requirements, but please clarify this issue.

The criteria for both Buy American documents shall be complied with.

- b. Please confirm that all of the specified specialty playground and lighting products that are required for this project complies with the New Jersey Buy American Statute, as we see foreign companies mentioned in several places in the specifications.

The criteria for Buy American shall be complied with.

- 67. Section 320190 – Site Maintenance:
 - a. We do not understand why this Spec Section was included in the bidding documents because the Resiliency Park Contractor is only responsible for constructing the Park and is not responsible for Maintaining the completed Park. The Owner is responsible for all Maintenance of the completed Park. If the City of Hoboken wishes to contract for this work then the Maintenance Work must be bid separately from this Construction Contract. Please delete this entire Spec Section from this Construction Contract.

The contractor is responsible for maintenance in compliance with the specifications for this project. Refer to Alternate A.06.

- 68. Bid Item 31.15 – Temporary Construction Fence:
 - a. The description of work in Bid Item 31.15 does not match the Temporary Fence Detail on Dwg C-610. We assume that the Temporary Fence Detail on Dwg C-610 is correct because that detail is what is typically provided, and we assume that the 4” x 4” Wood Posts described in Bid Item 31.15 are not correct. Please clarify.

The Temporary Fence Detail on Dwg C-610 is correct.

- 69. Dwg LI-202 – Irrigation Pump Details:
 - a. Please clarify the 50,000 Gallon Storage Tank that is identified as “Not by Watertronics” on this drawing. Please confirm that the 50,000 Gallon Storage Tank shown on this drawing is actually the Precast Concrete Cistern that is detailed on Dwg C-929. If so, then please add notes to Dwg LI-202 that make reference to the Cistern on Dwg C-929 so that the bid documents can be more clearly understood.

Yes, the 50,000-gallon storage tank shown on LI-202 is the same 50,000 gallon precast tank shown in detail in the Civil drawings.

- 70. Dwg C-929 – Subsurface Cistern Tank Details:
 - a. Section C-C on DwgC-929 shows a 30” Diameter HDPE Outlet Pipe. This Detail does not conform to the Plan view or Elevations of the Cistern, which do not show any 30” Diameter Outlet Pipes.

Refer to Dwg C-400 which shows a callout for a 142 LF 30” HDPE outlet pipe from the Cistern.

- b. Also, according to the Drainage layout on Dwg C-400, there should also be a 24” Diameter Pipe that enters the Cistern, and this is not shown on Dwg C-929 either.

Refer to Dwg C-400 which shows a callout for a 8 LF 30” HDPE inlet pipe to the Cistern.

- c. Also, the method of identifying the Cross Sections is not coordinated properly. There is no Section A-A, or B-B or C-C shown on the plan view of the Cistern so the drawing is confusing to read.

The section callouts correspond alphabetically with the section drawings.

- d. Please revise Dwg C-929 to correct the above issues.

See responses to #70 a, b, and c.

- e. Please clarify the purpose and function of the Cistern.

The Cistern is to collect stormwater runoff to be re-used for irrigation of the park.

71. Dwg P-502 – Plumbing Pump House Riser Diagrams:

- a. The Plumbing Work shown on this drawing is for the Pump House that is to be constructed by the NHSA Contractor. Piping to be constructed by the Resiliency Park Contractor will penetrate the foundation wall of the Pump House at multiple locations. Please confirm that the NHSA Pump House Contractor will provide wall sleeves that are embedded in the foundation walls for all pipe that will be run through the walls by the Resiliency Park Contractor.

Confirmed.

72. Grey Water System:

- a. We assume that the Grey Water System will be used for the Irrigation System, and Bid Item 33.43 pays for the Irrigation Pump and Grey Water Pumps and Controls. However, we have not found this system sufficiently shown on the drawings to be able to see how the Grey Water System that originates in the Café Building ties into the Irrigation System. The Irrigation Dwg LI-100 does not show how the Grey Water System ties into the Irrigation System. A Note on Dwg P-100 calls out a 3” Grey Water Overflow Pipe that feeds the Site Irrigation System, but the Tie-In Location is not shown. Does the 3” Grey Water Line tie-into the 50,000 Gallon Cistern? Please clarify.

The greywater system does not tie into the irrigation system. It ties into the two park buildings as shown on the drawings.

73. Bid Item 01.02 – Storm Water & Grey Water Systems for Buildings:

- a. Please clarify the Scope of Work to be included this Bid Item.
 - 1) Typically, Storm Water Work is a Site Item and not a Building Item. Please clarify what is intended by the Storm Water work for these Buildings.

See architectural drawings.

- 2) Since Bid Item #33.06 covers 3” Copper Grey Water Pipe and since Bid Item #33.42 covers the Grey Water Pump and Controls, please clarify the Scope of the Grey Water Work that is to be included in this Bid Item.

See architectural drawings.

74. Bid Item #31.01 – Clearing and Grubbing:
a. Currently, this Pay Item is to be priced per Square Foot, which is not a practical method of measuring and paying for this work. Please make this Pay Item payable on a Lump Sum Basis.

The unit of measure shall remain as stated.

75. Bid Item #33.11 – 6” UG SWCI H&S Storm Pipe:
a. The abbreviations used in this bid item are not clear and make it difficult to understand what work is to be included in this bid item. Please clarify the meaning of SWCI H&S Storm Pipe, and please clarify where this work is to be performed at the site.

Refer to the architectural and plumbing sheets.

76. Bid Item #33.12 – Storm Water Pipe Connection to Grey Water Tank:
a. The wording used in this bid item is not clear. Please clarify whether or not the 50,000 Gallon Cistern is the Grey Water Tank that is referenced in this bid item.

The 50,000-gallon cistern is not the grey water tank. Refer to Civil, Architectural and Plumbing sheets.

- b. Please clarify the scope of work to be included in this bid item. For example: does this Bid Item cover the installation of the 3” Grey Water Pipe that is shown on Dwg P-200?

This bid item is for all work related to the connection of the building stormwater system to the greywater tank.

77. Bid Item #33.43 – Irrigation Pump and Grey Water Pump, Feed and Controls:
a. It is our interpretation that the Irrigation Pump referenced in this Bid Item is the Irrigation Pump and Controls shown on Dwg LI-202. It is also our interpretation that the Grey Water Pump is what is shown in the MEP Room on Dwg P-201S. If that is correct, then please clarify why these two entirely different pump systems would be paid under the same Bid Item?

The bid item shall remain as stated.

- b. We see these two items as completely separate scopes of work that are performed by separate trades. Therefore, we request that the Irrigation Pump and Controls be separated from the Grey Water Pump and Controls.

The bid item shall remain as stated.

78. Fountain Reservoir Storage Tank:

- a. Bid Item #03.05 is for the cost to furnish and install One Each, H-Pile to support the 8' x 14' x 10' Fountain Reservoir Storage Tank. We do not see how one H-Pile can be designated for the support of this structure. Also, the details for this Tank on Dwg F-4.01 do not show any H-Piles and there is no pile cap shown on this drawing. The Elevation View only shows a Levelling Pad of unknown thickness, and an Anchor Slab. Please clarify the number of H-Pile, if any, that are required for the support of the Fountain Reservoir Storage.

Refer to S-110 for pile information. The bid item has been updated.

- b. The Elevation View of the Fountain Reservoir Tank Details on Dwg F-4.01 has a note that states the size of the Anchor Slab is to be determined by the Structural Engineer, which does not appear to have been done yet. Please provide the dimensions and details for the Anchor Slab.

Refer to structural sheet for anchor slab information.

- c. Bid Item #33.37 is to furnish and install the 8' x 14' x 10' Fountain Reservoir Tank. However, it is not clear from the information provided on Dwg F-04 what the Fountain Reservoir Tank is made of. It appears to be a Fiberglass Tank as per Spec Section 131213, but the details on the Dwg F-4.01 should call-out the type of Tank that is to be provided.

The tank shall be per section 131213.

- d. The dimensions for the Tank on Dwg F-4.01 are (nominally) 14' long x 8' wide, but the height of the Tank is less than 10 feet. Paragraph 2.2.A.15 of Spec Section 131213 specifies the size of the Tank to be 8' x 14' x 6' high. Please clarify the height of the Fountain Reservoir Tank.

The height of the tank shall be per sheet F4.01.

79. Bid Item #31.11 - Geogrid & Geotextile at Upper Plaza, complete:

- a. Please clarify why this work is not included in Bid Item #31.12, which is the Bid Item for the Geogrid & Geotextiles Across the Site.

Refer to revised bid items.

- b. Please clarify if the Upper Plaza Area is the same area that is identified as the Terrace Slab Area on the Reinforced Subgrade Location Plan Dwg C-460.

Correct.

80. Pavement Markings and Signage:

- a. Bid Item #32.26 is for providing 4,108 SF of Cross Walk Stripping. Since the Quantity of this Bid Item does not seem correct, and since this work does not need

to be measured, we recommend that this Bid Item be changed to a Lump Sum to cover all Cross Walks that are shown on Dwg C-800. Please Clarify.

The bid item has been updated.

- b. Specification Section 321723 makes reference to Thermoplastic and Painted Markings. However, Note #4 on Dwg C-800 and Note #3 on Dwg C-960 state that all Stripes and Markings shall be Thermoplastic. Please confirm that there will not be any Painted Markings used on this project.

All street striping will be per sheet C-800.

- c. Please confirm that the only Painting Work will be for the Painted Curbs.

Refer to sheet C-800 Traffic Striping and Marking General Notes.

- d. Please delete Note #10 on Dwg C-800 that denies payment for the removal of conflicting Pavement Markings. The removal of existing markings is a standard Bid Item and is the only fair method of dealing with this unpredictable type of work. Therefore, please add a Unit Price Bid Item to remove conflicting Pavement Markings.

The note shall remain.

- e. Note #12 on Dwg C-800 states that the cost of providing Red Painted Curbs is to be included in the Curb Item. However, this method of payment is not consistent with the scope of work. Based on our interpretation of Dwg C-800 and C-960 the Red Painted Curbs are only provided for the No Parking Zones, and some No Parking Zones will be created adjacent to existing curbs. Also, all new curbs are included in the Base Bid, but the Base Bid does not include the No Parking Zones. Only the Cross Walks are included in the Base Bid. Therefore, please revise the Bid Proposal to provide a separate Unit Price Bid Item for Painted Curbs.

Refer to Note #12.

- f. Bid item 32.25 is to Furnish and Install Two Entry Signs, Complete. However, the Notes on Dwg L-840 state that the Two Entry Signs are to be Furnished by the Owner and Installed by the Contractor. Please modify the description of work for Bid Item #32.25 to state that the Entry Signs are to be furnished by Owner.

The bid item description has been revised.

- g. The Two Entry Signs are not called-out on Dwg C-800. Please add the call-outs for the Two Entry Signs on Dwg C-800 and make reference to the Entry Sign details on Dwg L-840.

Refer to L-600 for Entry Sign locations.

- h. Add-On Alternate Bid Item #A.04 is for 30 Additional Traffic Signs. Alternate Note #3 on Dwg C-800 states that this Alternate is to replace existing signs.

Please clarify if this work is to remove and replace just the existing sign panels or does this work include the complete removal and replacement of the existing signs and posts.

This work is removal and replacement of the complete sign and post.

- i. The pricing for Alternate #A.04 is dependent upon the size and type of the signs. Please identify the types of signs that are to be replaced.

Signage shall include sizes typical to parking, loading zones, pedestrian crosswalks, stops signs, turn movement, etc.

- j. Dwg C-960 provides a detail for the W11-2 Pedestrian Crossing Signs with Solar Panels. If this type of Sign is to be provided, there needs to be a separate Unit Price Bid Item to cover the much higher costs of providing this type of sign. Please clarify.

A bid item has been added. Add 16 units.

- 81. Bid Item #33.61 – Furnish and Install Soccer and Softball Field, complete:
 - a. This Bid Item appears to be a duplication of Bid Item #32.06, which pays for the Athletic Turf System, including drainage, stone base course, geomembrane liner and base material up to the levelling course. Please clarify the apparent duplication.

Bid Item 33.61 is for any Soccer and Softball field work not covered under 32.06.

- b. Also, Bid Item #33.61 is included in the Utilities Section of the Bid Proposal where it does not belong. Please clarify.

Bid Item 33.61 shall remain as located.

- 82. Bid Item #33.62 – Furnish and Install Basketball Court, complete:
 - a. This Bid Item appears to be a duplication of Bid Item #32.05, which pays for the Basketball Court Asphalt Pavement, Complete. Please clarify the apparent duplication.

Bid item 32.05 is for the basketball court asphalt pavement system. Bid item 33.62 is for any remaining work.

- b. Also, Bid Item #33.62 is included in the Utilities Section of the Bid Proposal in where it does not belong. Please clarify.

No change has been made.

- 83. Scoreboard:
 - a. Please clarify whether or not the Scoreboard shown on Dwg L-840 is to receive any power for operating or illuminating the Scoreboard.

The scoreboard is powered.

84. Dwg L-310 – Unit Paving and Jointing Plan:
- a. The Legend provided on this drawing is incomplete. It does not provide any Symbols for the various types of Unit Pavers, Cobblestone Pavers, Concrete Sidewalks and Jointing Patterns. Please revise this drawing as soon as possible so that this work can be properly understood for the development of cost and pricing.

Refer to L-300 Materials plan for materials.

85. Dwg P-100 – Plumbing Site Plan:
- a. Dwg P-100 does not show the entire path of the underground water piping that feeds the Misting Wall and the Water Play Elements, and refers to the Civil Drawings for connections and details. All Site Plumbing information needs to be included in the Plumbing Drawings so that the Plumbing Package shows the complete scope of work. At the very minimum the Notes should cross reference the specific Civil Drawings where the Plumbing Work can be found on the Civil Drawings. Please note that when we reviewed the Site Utility Plan Dwg C-500 the Notes on this Dwg C-500 refers back to the MEP Plans for the Water Lines that serve the Play Elements. Please provide the missing information on the Plumbing Drawings.

The plan location is as shown in P-100. The contractor shall coordinate connections and details per manufacturers requirements in the shop drawing phase.

- b. Please provide details on the Plumbing Drawings that show how the Site Water Lines feed the Play Elements and all of the special controls, valves, fixtures or spray nozzles, etc. that may be required, or clarify that only standard water connection is required for the Play Elements.

The plan location is as shown in P-100. The contractor shall coordinate connections and details per manufacturers requirements in the shop drawing phase.

86. Dwg P-301 – Plumbing in Pump House:
- a. Please confirm our interpretation that all of the Plumbing Work shown on the Upper Floor is by Others.

The Resiliency Park Contractor shall install all components on the second floor of the pump house per sheet P-301 except those identified as by others.

- b. A Note points to the Subterranean Collection Tank that states “By Others”. Please confirm our interpretation that this tank is to be furnished and installed by the Resiliency Park Contractor. If so, then please change this Note.

This tank is to be installed by the Resiliency Park Contractor.

87. Bid Item #33.14 – Furnish and Install Water Line:

- a. Please identify the size of the water line and the type of pipe to be used for the water line so that the bidders know exactly what this Bid Item Covers.

8-inch DIP.

88. Bid Item #33.15 – Furnish and Install Valve:

- a. Please identify the size of the Valve so that bidders know what this Bid Item covers.

8-inch.

89. Bid Item #33.16 – Furnish and Install Wet Taps:

- a. Please identify the size of the Wet Taps are at to be included in this Bid Item.

The bid item is for the appropriate pipe diameter size being installed. The bid item shall include any means and methods necessary to tap the main, including but not limited to de-energizing the main with existing infrastructure, the installation of isolation valves if and when the existing infrastructure is not adequate, or wet tapping if pipe sizes allow.

90. Spec Section 132000 – Ice Rink Underground Piping:

- a. Paragraph 1.4 states that a Delegated Design be performed by the Contractor, including a comprehensive engineering analysis, for the Ice Rink Pipe Connections and Piping Assembly even though all of the Ice Rink Piping has already been designed by the Engineer, detailed on the drawings and described in this Spec Section. This is not a Design-Build Project and this Delegated Design requirement is not necessary, wastes time and money, and should be deleted from the Contract. Please clarify.

Refer to section 132000 for additional information.

- b. Paragraph 1.7.B & C require signed and sealed calculations from the Contractor's PE, including calculations. These requirements are also not necessary since the Ice Rink Piping System has already been designed by the Engineer, detailed on the drawings and described in this Spec Section. This is not a Design-Build Project and these Engineering requirements are not necessary, waste time and money, and should be deleted from the Contract. Please clarify.

Refer to section 132000 for additional information.

91. Delegated Design:

- a. The set of Bid Documents issued to the Bidders for this project is supposed to be 100% Designed and 100% ready for Construction. However, that is not the case because we have found numerous instances in the various Specification Sections where the Contractor is required to perform Delegated Design and Engineering Analysis for products and assemblies that were supposed to have been 100% Designed by November of 2018.

Please refer to the plans and specifications for the requirements of the project.

- b. A set of bid documents cannot be labelled as have been 100% Designed and 100% ready for Construction if the Project has not been 100% Designed and is not 100% ready for Construction. To be 100% ready for Construction, the Project must be 100% Designed.

Please refer to the plans and specifications for the requirements of the project.

- c. This is a Design-Bid-Build Public Works Project and not a Design-Build Project. Therefore, please remove all references and requirements in the Bid Document for the Contractor to perform Delegated Design and Engineering Analysis.

Please refer to the plans and specifications for the requirements of the project.

92. SITES2v Program:

- a. The SITES2v Program should be removed from this Contract for the following reasons.
 - 1) Most of the specialty products and manufacturers for this project have already been predetermined and selected as the Basis of the Design, and the Contractor is expected to provide the specified products from the predetermined manufacturers. If those predetermined manufacturers do not comply with the SITES2v criteria, then the Contractor will be placed in a position where it will be impossible for the Contractor to fulfill the SITES2v requirements. Here are some examples of products that were used as the Basis of Design.
 - a) The Fountain Equipment
 - b) All Light Poles and Light Fixtures for Site Lighting
 - c) All Building Light Fixtures
 - d) The Geogrids and Geotextiles for the Reinforced Subgrade
 - e) The 1MG Precast Concrete Detention Tank
 - f) The 50K Gallon Precast Concrete Cistern.
 - g) The Wire Mesh Fencing

SITES is a basis of design, requirement and applicable to all aspects of the project.

- b. The SITES2v program should not apply to any temporary materials, such as silt fence, construction lumber, formwork, and shoring materials.

SITES is a basis of design, requirement and applicable to all aspects of the project.

- c. The SITES2v program should not apply to local producers of crushed stone, hot mix asphalt, and Redi-Mix concrete who are important regional producers of the these products and who typically do not comply with SITES2v requirements. Due to the consolidation of these types of industries over the last 20 years, the Contractor has very little choice when selecting the producers that will supply those products to this project. Therefore, the Contractor is not in any kind of position to negotiate with these producers to change their method of operations in order to comply with the esoteric SITES2v requirements for just this one project.

SITES is a basis of design, requirement and applicable to all aspects of the project.

- d. The SITES2v program will restrict the Contractor's choices to select the most competitively priced products, which will increase the cost of the project.

SITES is a basis of design, requirement and applicable to all aspects of the project.

- e. The higher administrative costs to the Contractor and Owner will translate into higher construction costs for the taxpayer who will not receive any tangible benefit from the SITES2v administrative costs.

SITES is a basis of design, requirement and applicable to all aspects of the project.

In the limited amount of time available to the bidders they do not have the time or resources to vet the hundreds of products, manufacturers and suppliers to determine which companies comply with the esoteric criteria established for the SITES2v program.

SITES is a basis of design, requirement and applicable to all aspects of the project.

93. Warranties:

- a. SC-6.19.D of the Supplementary Specifications provide for a standard One Year Warranty Period that is customary practice for Public Works Contracts in New Jersey. However, Paragraph 3.01.H of Spec Section 017836 contradicts the Supplementary Specifications by stating that the minimum warranty period is 2 years. Since the Supplementary Specifications take precedence over the Section 017836 please revise Section 017836 to conform with the Supplementary Specifications.

The following change has been made to SUPPLEMENTARY CONDITIONS, SECTION 008000 at p. 008000-10 at SC-6.19. Change the second sentence as follows: "Such warranty shall continue for a period of two (2) years..."

- b. The extended warranties offered by manufacturers vary in their terms, conditions and length of time that the warranty will be provided. The Contractor is not in any position to force manufacturers to change their warranties just for this project, and the Contractor is not in any position to assume the responsibilities of the manufacturer's warranty if the manufacturer's warranty is not accepted by the A-E or Owner because the warranty may contain disclaimers and limitations. Therefore, please delete Paragraph 3.01.A and 3.01.I of Section 017836 due to the unfair and unreasonable burden placed on the Contractor by the language in those two paragraphs that will be impossible for the Contractor to fulfill.

Refer to section 017836 for more information.

- c. Several Sections in the Specifications require Special Warranties that are for very long durations and may not be available in the marketplace. As a result, the Special Warranty requirements in these Specification Sections may not be feasible to fulfill, and the Contractor is not in any kind of position to negotiate with the manufacturers to modify their standard warranties or their extended warranties for just this project. Therefore, all Special Warranty provisions in the Bid Documents need to be revised to allow for flexibility in the terms and conditions offered by the

manufacturers so that the Contractor is not required to fulfill a contract requirement that is impossible to fulfill. Therefore, please revise all Special Warranty clauses in the Specifications to allow for the Contractor to provide the extended warranties that are standard for the manufacturer and usually available from that industry.

The Special Warranty requirements shall remain per specification.

94. Appendix A – Site Lighting Cut Sheets:

- a. The Pole Schedule contains a note in the Comments Column for the Structural Engineer to verify the Pole Specifications for every light pole listed on the Pole Schedule, which implies that the design for the light poles has not been completed. Please clarify what the Bidders are to use for bidding purposes when determining the cost and pricing of the light poles.

The contractor shall utilize the cut sheets, which have been verified in the plan sheets. If the contractor utilizes an unspecified product, the contractor shall be required to submit documentation included in structural design to support the product.

- b. Luminaire Type ELT07 on Sheet #29 contains a Red Note stating that the Final Spec is under Development, which implies that the design for this Luminaire has not been completed. Please clarify what the Bidders are to use for bidding purposes when determining the cost and pricing of this Luminaire.

This is an erroneous note. The product is included in the design.

- c. The P5 Light Pole Cut Sheet on Sheet #39 contains a Red Note stating that the Final Spec is under Development, which implies that the design for this Light Pole has not been completed. Please clarify what the Bidders are to use for bidding purposes when determining the cost and pricing of this Light Pole.

This is an erroneous note. The product is included in the design.

- d. Please clarify why PSE&G's Logo is shown on the Cut Sheets for Luminaire Type ELT07 and Pole Type P5.

It is a PSE&G standard fixture.

95. Appendix F – Building Lighting Cut Sheets:

- a. Many of the Cut Sheets in Appendix F contain Red Notes stating the need for the A-E / Designer to verify specific features and various options for the Building Lighting, such as: voltage, dimming capacity, controls, finish, junction boxes, etc. See PDF pages 7, 11,12, 18, 21,25, 35, 38, 44, 45 & 47 for the Red Notes on the Cut Sheets. Our interpretation of these Red Notes is that the Building Lighting has not been completely designed. Please clarify what the Bidders are to use for bidding purposes when determining the cost and pricing of the Lighting for the Café and Community Center Buildings.

The contractor shall coordinate and address these comments in the shop drawing package.

96. Electrical Work:

- a. There are no Notes on the Electrical Drawings that specify the type of conduit to be used for the Underground Power and Comm. This information should be provided in the Notes for the Underground Trench Detail on Dwg E-701. Paragraph 3.2 of Spec Section 260543 mentions three potential types of underground conduits. Please confirm our assumption that all underground electrical and telecom conduits are to be Schedule 40 PVC.

Refer to Section 260543 for additional information.

- b. Dwg E-001 provides a Legend for what appears to be only for the Electrical Work for the Buildings. The Electrical drawings do not provide Symbols for the Site Electrical Work. Please add a Legend for the Site Electrical Work.

Refer to sheet E-200 for additional information.

- c. The Hand Hole Detail on Dwg E-701 shows a Quazite Design, but a Note calls-out the Hand Hole to be Precast Concrete, but the Quazite units are made from a Polymer Concrete. Please clarify this detail.

Refer to note 1 of detail 10 on sheet E-701.

- d. Note #1 under the Hand Hole Detail on Dwg E-701 mentions that the Hand Holes are to be rated for Vehicular Traffic, but the Quazite Hand Holes are not intended to take deliberate vehicular loads and the Quazite Hand Holes are not rated for HS-20 Loading. Please clarify.

Note 1 is correct. HS-20 loading is not required.

- e. Dwg E-303 shows Lighting in the Lower Pump House Lighting Plan, but there are no Notes on this Lighting Plan that states that this Lighting is By Others. We understand that the Resiliency Park Contractor will be working inside the Pump House to provide MEP for the Park Equipment. However, all Power and Lighting that is specifically for the operation of the Pump House should be furnished and installed by the NHSA Contractor. Please clarify.

Lighting on sheet E-303 is by the NHSA contractor.

- f. Dwg E-303 calls-out an Electric Service to the Pump House from a pad-mounted Transformer, and the note refers to Dwg E-501 for details. However, this Electric Service is for the Pump House and it should be provided by the NHSA Pump House Contractor and not the Resiliency Park Contractor. Please clarify this confusing scope information.

The contractor shall provide electrical service from the transformer for the resiliency park work to the building separate from the transformer for the Pump house, not shown.

- g. Dwg E-501 does not provide any information on the Pad-Mounted Utility Transformer that will provide the Electric Service to the NHSA Pump House. Please confirm our assumption that this Pad-Mounted Utility Transformer is to be provided by the Utility Company. If so, then a Note needs to be added to Dwg E-501 to make this clear. Also, the power to the Pad-Mounted Transformer needs to be shown on Dwg E-501, and this Power needs to be clarified: for example: is it overhead, is it underground, where is it coming from, etc.

The pad mounted transformer shall be provided by PSE&G. The transformer shall be located to the east/north east of the building.

- h. Dwg E-100 should be revised to show the Electric Service to the Pump House, and Dwg E-101 needs to show where the power will originate from, and a Note should be provided to clarify that the Utility Company is providing the Electric Service (if that is the case) similar to the other Utility-related notes on Dwg E-100.

Refer 96.g above.

- i. Notes on Dwg E-303 make reference to the R-Drawings for details on the Power for the Ice Rink Chiller and Snow Melting System. However, the R-Drawings do not provide any Wiring information for the Ice Rink Chiller or for the Snow Melting System. Please provide this missing information.

The contractor shall provide for the details in the delegated design. Please note the Ice Rink Chiller and Snow Melting System equipment is not provided in this contract but rented seasonally from an ice rink vendor.

- j. The Electrical Drawings do not provide any Grounding Details for the Metal Fence & Gates, Light Poles, Electrical Handholes, Irrigation Pumps & Controls, etc.; and, and Grounding Spec Section 260526 only provides generic information. In order for the bidders to determine the cost and pricing of the Site Electric Grounding work, please provide Grounding Details for the Metal Gates & Fence, Light Poles, Handholes, Irrigation Pumps, etc. for which we would expect to see Ground Rods and Ground Cables shown for these items.

Refer to section 260526 for additional information.

97. Ice Rink Work:

- a. Only two R-Drawings, Dwg R-101 & R-102, are provided for the Ice Rink, and the Ice Rink and Snow Melting system are not sufficiently detailed on the drawings for the bidders to determine the cost and pricing of this work. Please provide more details on the piping that will be required, and more details on the Chiller and Portable Snow Melt Tank, and clarify if any Power is to be furnished to the Chiller, Snow Melting Equipment and to the Ice Rink.

The contractor shall provide for the details in the delegated design. Please note the Ice Rink Chiller and Snow Melting System equipment is not provided in this contract but rented seasonally from an ice rink vendor.

- b. No details or any information is provided for the Chiller.

Chiller is not in contract.

- c. Dwg R-101 only show 6" HDPE piping from the Chiller to the Ice Rink. No other piping is shown for the Ice Rink. Please clarify if any other Ice Rink piping is to be furnished and installed by the Resiliency Park Contractor.

Refer to sheet R-101.

- d. Dwg R-102 provide conceptual design information for the Snow Melting Tank and Note #8 on Dwg R-102 requires the Contractor to submit shop drawings for the Tank that are signed and sealed by a Professional Engineer. This is not a Design-Build Project. Please provide a complete set of details for the Snow Melting Tanks and deleted the Engineering and Design requirements.

Refer to sheet R-102.

- e. The conceptual details on Dwg R-102 show supply and return Hot Water Lines and a Drain lines that serve the Snow Melting Tank. However, the R-Drawings do not show any piping to be provided for the Snow Melting Tank. Please provide this missing information.

The snow melt tank is for seasonal usage and portable for storage when not in use. The snow melt tank shall have portable piping and connections.

98. Sports Lighting:

- a. We cannot find any information on the drawings that shows the distribution of underground power and controls to the Seven locations where the Musco Sports Lighting is to be provided. The Site Power Dwg E-100 does not show this information and the Site Lighting Dwg E-200 does not show this information. This is very important information that needs to be provided to the Bidders for the determination of the cost and pricing for this work. Please provide this missing information as quickly as possible.

The contractor shall accommodate the following:

At Soccer/Softball Field. Modifications to drawing E-200:

- **Eliminate 200A, Disconnect Switch.**
- **Provide 200A, 208Y/120V, 3-Phase, 4-Wire, 32-Pole electrical panel in Nema-3R enclosure instead of 200A Disconnect Switch. Panel shall have 150A Main Circuit Breaker. Panel shall be mounted adjacent to MUSCO Lighting Controller. Provide panel with the following branch circuit breakers:**
 - **3P-30A – Feeding Pole A1**
 - **3P-40A – Feeding Pole B1**
 - **3P-40A – Feeding Pole B2**
 - **3P-40A – Feeding Pole C1**
 - **3P-20A – Feeding Pole A2**

- 3P-20A – Feeding Pole P1
- 3P-20A – Feeding Pole P2
- 1P-20A – For MUSCO Lighting Controller
- 3P-30A – Spare
- **3-Phase, 208V branch circuits for Light Poles shall be run from the electrical panel, through contactors in the MUSCO Lighting Controller and out to the Light Poles. Each branch circuit shall terminate on a disconnect switch (Provided by MUSCO) located at the respective light pole, at 10'-0" above grade. Branch circuits shall be run around the perimeter of the field (not underneath). Approximate distances are shown below. Provide Branch circuits as follows:**
 - 2" PVC underground conduit to provide power to poles B1 & A1. Conductors to be run in shared conduit: (350')
 - B1 – 3-#4 & 1-#8 Gnd (350')
 - A1 – 3-#8 & 1-#8 Gnd (100')
 - 3" PVC underground conduit to provide power to poles C1, B2 & A2. Conductors to be run in shared conduit: (520')
 - C1 – 3-#2 & 1-#8 Gnd (520')
 - B2 – 3-#4 & 1-#8 Gnd (280')
 - A2 – 3-#8 & 1-#8 Gnd (70')
- **1-Phase, 120V branch circuit for MUSCO Lighting Controller shall be above grade from the panel to the controller:**
 - 3/4" RGS conduit (15')
 - 2-#12 & 12-#12 Gnd (15')

At Basketball Court. Modifications to drawing E-200:

- **Eliminate 60A, Disconnect Switch.**
- **Provide 60A, 208Y/120V, 3-Phase, 4-Wire, 12-Pole electrical panel in Nema-3R enclosure instead of disconnect switch. Panel shall have 30A Main Circuit Breaker. Panel shall be mounted adjacent to MUSCO Lighting Controller. Provide panel with the following branch circuit breakers:**
 - 3P-15A – Feeding Pole P1
 - 3P-15A – Feeding Pole P2
 - 1P-20A – For MUSCO Lighting Controller
 - 3P-20A – Spare
- **3-Phase, 208V branch circuits for Light Poles shall be run from the electrical panel, through contactors in the MUSCO Lighting Controller and out to the Light Poles. Each branch circuit shall terminate on a disconnect switch (Provided by MUSCO) located at the respective light pole, at 10'-0" above grade. Branch circuits shall be run around the perimeter of the court (not underneath). Approximate distances are shown below. Provide Branch circuits as follows:**
 - 2" PVC underground conduit to provide power to poles P1 & P2. Conductors to be run in shared conduit: (140')
 - P1 – 3-#10 & 1-#10 Gnd (140')
 - P2 – 3-#10 & 1-#10 Gnd (50')
- **1-Phase, 120V branch circuit for MUSCO Lighting Controller shall be above grade from the panel to the controller:**

○3/4" RGS conduit: (15')
2-#12 & 12-#12 Gnd (15')

99. Bid Item #31.09 – Impermeable Soil Cap:

- a. There is insufficient information in the bid documents for this major bid item to be properly estimated and priced by the bidders. Please address the following important issues as soon as possible so that the bidders can determine the cost and pricing for this major bid item.
- 1) Please provide a more complete description of work for this Bid item because its current description is not clear as to what scope of work is to be included in this major pay item. For example: is this Pay Item intended to pay for 21,330 SY of a 10" Thick Impermeable Soil Layer and nothing else?

Refer to C-700 for capping plan.

- 2) The bid documents need to specifically define the elements that constitute the Impermeable Soil Cap that will be paid under this Bid Item because this is not a Design-Build Project, and the Bidders should not have to conduct independent research to determine the USEPA or NJDEP requirements that apply to this pay item. All requirements for this work need to be provided in the Project Specifications.

Per 40 CFR 761.61(a)(7), Cap materials that consist of “compacted soil” require a minimum thickness of 10 inches and meet the specifications per § 761.75(b)(1)(ii) through (b)(1)(v), specifically, that the “compacted soil” cap material must have a permeability, sieve, liquid limit, and plasticity index (essentially equivalent to clay).

- 3) The Earthwork Specifications do not provide any information on the types of soils that can be used for the Impermeable Soil Cap and how those soils should be installed and the geotechnical requirements for those soils. Reliance upon the reference in the Cap Detail on Dwg C700 to the Code of Federal Regulations is not acceptable. This is not a Design-Build Project. It is the Engineer’s responsibility to review the EPA and NJDEP capping requirements and to translate that information into Construction Specifications that are made part of the Contract. All requirements for the Impermeable Soil Cap need to be clearly provided in the Project Specifications without the need for bidders to perform independent research of how to construct the Cap according to the Code of Federal Regulations.

Refer to 99.a.c above.

- 4) The entire area of the site is supposed to be approximately 7 Acres, but the Pay Item for the Impermeable Soil Cap is roughly 4.4 Acres. Therefore, the Impermeable Soil Cap must not cover the entire site. However, the limits of the Impermeable Soil Cap are not shown on the drawings. Therefore, please identify the areas on Soil Cap Dig C700 that constitute the Pay Limits for the Impermeable Soil Cap.

Refer to sheet C-700, C-701 and C-702 for capping type limits and sections.

- 5) Typically, the use of the term Impermeable Soil Cap means a Cap that is made with a high quality Environmental Clay that meets strict geotechnical and permeability parameters. However, we do not believe that is what is needed or intended for this project because the typical details on Dwg C700 show an Impermeable Membrane in lieu of Clay Cap, and Clay Caps are typically not used any more due to the lesser costs and popularity of Geomembranes. However, because of the lack of information in the bid documents the bidders do not know what constitutes the Impermeable Soil Cap.

Refer to 99.a.c above.

- 6) The Cap Transition Detail on Dwg C700 is very confusing because it has a Note that seems to allow the use of a 6" layer of Asphalt or Concrete in lieu of the 10" Soil Layer. Please clarify the intentions of this Note.

The note is correct.

100. Payment for 60-Mil Liner:

- a. Dwg C-700's, C701 & C-702 provide Typical Cap Details and Sections that show the 60-Mil Liner placed under the Play Valley Area, which is identified as being a Type 6 Cap. However, the Bid Proposal does not provide a Bid Item in which to include the cost to provide the 60-Mil Liner under the Play Valley Area. For example, Bid Item 32.06 covers the cost to provide the 60-Mil Liner under the Athletic Field and Bid Item 32.81 covers the cost to provide the 60-Mil Liner under the Stormwater Gardens. Please revise the Bid Proposal to address this issue.

The contractor shall include all required assemblies and sub-assemblies needed to install all aspects of each bid items whether listed, not listed, or implied in the plans, details, and specifications.

- b. Please revise the description of work for Bid Item 32.82 to include the cost of providing the 60-Mil Liner under the Stormwater Bumpouts, since the Bump-Outs area classified as a Type 4 Cap on Dwg C-700 and the Bumpouts are to be provided with a 60-Mil Liner.

The contractor shall include all require assemblies and sub-assemblies needed to install all aspects of each bid items whether listed, not listed, or implied in the plans, details, and specifications.

101. Bid Items for Site Lighting:

- a. The pay quantities for Bid Items 33.57 and 33.58 are not correct because they do not match the quantities provided in the Appendix A and do not match the quantities shown on Dwg E-200, both of which indicate that there are 35 each of the Type A09's and 26 of the Type A08's. Please revise the pay quantities for these types of Site Lighting to reflect what is shown in the bid documents.

Refer updated bid items.

- b. here are no Electrical Bid Items provided in the Bid Proposal to pay for the cost of furnishing and installing the Musco Sports Lighting for the Athletic Field and for the Basketball Court. Please revise the Bid Proposal to provide the missing Bid Items for the Musco Sports Lighting.

Refer to bid item 33.63 and 33.64.

102. Spec Section 310519 – Geosynthetics:

- a. Paragraph 2.1.C provides Loading Requirements, which appear to Design Requirements and not Construction Specifications. Please clarify the intentions of these two Loading Requirements.

Loading requirements are a basis of design and shall be accounted for in the material selection of geosynthetics.

- b. One of the Loading Requirements makes reference to a PSE&G Easement Area. However, we do not believe that the drawings identify the limits of the PSE&G Easement Area through the Athletic Field; and, we do not understand why the Contractor needs to know this information. Please clarify.

The PSE&G Easement Area refers to the 12th Street ROW from Madison to Jefferson. Refer to sheet C-460.

- c. The requirement for 3,000 PSF bearing capacity under the Precast Tanks cannot be achieved with the soft soils that are shown in the Geotechnical Report, and both the IMG Detention Tank and the 50K Gallon Cistern are pile-supported for this reason. Please clarify why this requirement is included in the Earthwork Specifications when it cannot be achieved.

These criteria shall be required for non-pile supported structures.

103. Spec Section 312000 – Earthwork:

- a. Paragraph 1.2.A.2 and 1.5.B and 3.17.A require the Contractor to hire a Geotechnical Engineer and a Testing Agency for Earthwork QA/QC testing. This is highly usual. Typically, a Contractor only hires an independent Testing Company to perform proctors, sieve analysis and in-place density testing. Why is a Geotechnical Engineer required? Not only is this unnecessary, these provisions are contradicted in Paragraph 1.6 of Spec Section 312300, which states that the Owner's Engineer will be the sole judge for the suitability of all fill and backfill, and the Owner's Engineer will inspect and test the in-place compaction. Please clarify the Earthwork Testing.

A geotechnical engineer shall be retained by the Owner. The Contractor shall be required to obtain all related independent testing of proctors, sieve analysis and in-place density testing.

- b. The descriptions for the Type 2A Base Course and the Type R-4 Rip Rap are PennDOT Specifications. Since this project is located in New Jersey, and since the Contractor will be using regional quarries in New Jersey, we request that Specifications be revised to make reference to NJDOT Specifications for these quarry products. Please clarify.

Replace Type 2A Base Course with NJDOT DGA.

Replace Type R-4 Rip Rap with NJDOT Rip rap sized from 6-inches to 12-inches.

- c. A No. 8 Stone is specified in Paragraph 2.1.H for Bedding. However, we typically see 3/4" clean stone used for pipe bedding. We request that the Specifications be changed to allow for this type of typical stone bedding.

AASHTO 57 shall be acceptable.

- d. Paragraph 3.5.D requires the Contractor to over-excavate soft or unstable material up to a depth of 2 feet and to replace the unsuitable soil with structural fill. Please revise this paragraph to state that the Contractor shall be compensated for the over-excavation and for the backfilling with structural fill.

It is the contractor's responsibility to provide soil management of the site to accommodate soil disposal, soil import, geogrid and soil stabilization, pile supported areas, and nonstructural soil uses in an efficient and effective manner.

- e. Paragraph 3.11.F includes unreasonable language that requires the Contractor to take the risk on the quality of the existing soils to be re-used as backfill material. The Contractor is not able to know in advance if the existing soils will be or will not be geotechnically re-usable as backfill. This is a Project-Risk and not a Contractor-Risk. If the existing soils are geotechnically unsuitable as backfill for any reason, the Contractor deserves to be compensated to remedy the situation, which may involve a number of options. Please remove the objectionable language from this paragraph that attempts to make the Contractor responsible for replacing unsuitable soils at no additional cost.

It is the contractor's responsibility to provide soil management of the site to accommodate soil disposal, soil import, geogrid and soil stabilization, pile supported areas, and nonstructural soil uses in an efficient and effective manner.

104. Spec Section 061500 – Wood Decking:

- a. Paragraph 3.6.A.3 makes reference to the use of hot pitch or a bitumastic compound for sealing depressions and openings in the wood decking. Please clarify that this treatment is not applicable for the countersunk screws that are to be used to fasten the decking to the joists.

Correct, this is not applicable to the decking boards.

105. Drainage Geotextile under Play Areas:

- a. Bid Items 32.07, 32.08 and 32.09 make reference to a Drainage Geotextile to be installed under the Play Areas but the details on the drawings do not show this Drainage Geotextile. Please clarify what is intended by the Drainage Geotextile.

The drainage geotextile is not needed in 32.07, 32.08 and 32.09.

106. Low Profile 2” Underdrains:

- a. Please clarify if this Bid Item 33.17 is to cover the cost of furnishing and installing all 2” Horizontal and Vertical Underdrains that are shown on the Drainage Plan Drawings C-400, C-401, C-402, etc. If so, please revise the scope of work description this Bid Item to clarify the scope of work to be included in this bid item.

The work is for all 2” underdrain.

- b. Our recommendation is to provide one Bid Item for the 2” Horizontal Drains and a separate Bid Item for the Vertical Underdrains because the vertical drains involve trenching work and the horizontal underdrains do not require any trenching. Please clarify.

The bid item remains as stated.

- c. Please clarify how the Contractor will be paid for the 2” thick Drainage Layer that is for the Horizontal Underdrains, which should be paid per Square Foot or per Square Yard.

It is part of the pay item.

- d. Please clarify the reference to Underdrains in the scope of work for the Lawn Areas in Bid Item 32.78. Is this the only Bid Item that includes the cost of the Underdrains as part of a larger scope of work?

Refer to the bid item.

- e. Please clarify the type of fine aggregate that is to be used for the 2” thick Drainage Layer.

AASHTO 57.

- f. A Note on Dwg C-401 indicates that a Vertical Underdrain is to be installed along the Tree Trench at the perimeter of the site. However, this Note does not appear on the other Drainage Plan Drawings, and we cannot find any details that show how this Vertical Underdrain is to be installed along the perimeter of the site, and we cannot find any details that show how this Underdrain ties into the site drainage system. Please provide Typical Details for this Perimeter Vertical Underdrain work and add Notes on all of the drainage plans to call-out this work so that the Perimeter Vertical Underdrain can be easily quantified and incorporated into the pricing of the project.

Refer to vertical underdrain detail 2/C-920.

107. Alternate Price for Terrace:

- a. While Bid Item A.01 provides a Lump Sum Price to cover the cost of the 12” Thick Pile-Supported Alternate Design for the Terrace Slab, the Bid Proposal does not provide a Lump Sum Base Bid Item to cover the cost of the 6” Thick Slab-on-Grade Base Bid Terrace Slab that would be replaced if the Alternate is awarded to the Contractor. Please revise the Bid Proposal to provide the missing Lump Sum Base Bid Terrace Bid Item.

The slab costs are part of the respective unit costs. Alternate A.01 of the net increase to the project for the installation of the pile system.

- b. Please confirm that Alternate A.01 is for the Additional Cost to provide the 12” Thick Pile-Supported Terrace Slab over and above the Base Bid Cost to provide the 6” Thick Slab-on-Grade Terrace Slab.

Alternate A.01 of the net increase to the project for the installation of the pile system.

108. Insurance:

- a. Section SC-5.06 of the Supplementary Conditions states that the Contractor shall purchase and maintain property insurance in an amount equal to the total bid price for the project. However, Item 5 of Part B in Article 23 of the Insurance Section in the City of Hoboken Standard Contract Conditions states that the Owner shall maintain Property Insurance upon the entire work at the site. Please confirm that the City of Hoboken will provide the property insurance in accordance with the Hoboken Standard Contract Conditions.

The specification shall be complied with.

109. Bid Items for Unit Pavers:

- a. Currently the two Bid Items 32.01 & 32.02 for the Unit Pavers include the Unit Pavers, the setting bed, and the concrete slabs that support the Unit Pavers. However, this method of paying for both the concrete slabs and the Unit Pavers should be revised so that the Unit Pavers are paid separately from the two types of underlying concrete slabs. Therefore, we recommend that the scope of work descriptions for Bid Items 32.01 & 32.02 be revised to delete the reference to the underlying concrete slabs. We also recommend that a new Bid item be added to the Bid Proposal to cover the cost of constructing the 6” Slabs-on-Grade that will support some of the Unit Pavers. Please note that there already is a separate Bid Item to construct the 12” thick Fountain/Ice Rink Slab that will support the balance of the Unit Pavers. Please clarify.

The bid items shall remain as stated.

110. Subgrade Reinforcement:

- a. Dwg C-460 drawing lacks a Symbol in the Legend for the type of Reinforced Subgrade that is to be provided under the Sidewalks that lead from the Terrace and Fountain Areas to 13th Street. Please provide the missing information.

Refer to the callout.

- b. Dwg C-460 indicates that a reinforced subgrade is needed underneath the Ice Rink/Foundation Slab, which is Pile-Supported. Please clarify why any Reinforced Subgrade would be necessary under the Pile-Supported Ice Rink/Foundation Slab?

Reinforcement is not needed under the pile-supported ice rink/foundation slab.

- c. Please clarify that if the Terrace Slab Add-On Alternate is selected, will the Pile-Supported Terrace Slab require any Subgrade Reinforcement?

Reinforcement is not needed under the alternate pile-supported slab.

- d. There are conflicts and discrepancies in some of the Reinforced Subgrade Details that need to be clarified. Detail 4 on Dwg C-941 shows a single layer of TX5 Geogrid placed under Concrete Slabs-On-Grade. However, Detail 4 on Dwg C-910 shows two layers of TX-130S Geogrid and a Separation Geotextile under the very same Concrete Slabs-on-Grade. However, in the adjacent Detail 3 on Dwg C-910 the Vehicular Concrete Pavement Detail on provides only one layer of TX-130S even though the Vehicular Loads should be greater than the concrete slabs-on-grade that are not designed for Vehicular Loads. Please clarify these discrepancies in the Subgrade Reinforcement Details.

Refer to C-941 for reinforced subgrade details.

- e. We do not understand why so many different types of Geogrids are being specified in one and two layers for Reinforced Subgrades that appear to be similar in function and purpose. For example, why does Dwg C-941 show a single layer of the TX-5 Geogrid specified under the Concrete Slabs and a single layer of TX160 provided under the Playground Foundations, and why does Dwg C-910 shows two layers of TX-160 under the Chiller Slab and one and two layers of TX-130S under the concrete slabs-on-grade? Some uniformity in the type of Geogrid used for the Subgrade Reinforcement would seem to make sense. Please clarify.

Geogrid shall be installed as specified.

111. Specialty Boulders:

- a. We take exception to the following items in Spec Section 321170 – Specialty Boulders, which we request to be removed or revised.
 - 1) Paragraph 1.3.E discusses the submittal of “shop drawings” for the placement of the boulders. This procedure is yet another instance of Delegated Design that should not be included in this Contract. It is up to the Landscape Architect for this project to provide the Design for the Boulders along with the intended placement of the Boulders according to the various desired size ranges and in the desired layers, along with cross sections, etc. The Contractor should only be executing the designs provided by the Landscape Architect by using Rocks that fall within the

specified size ranges. Therefore, please remove this paragraph from this Spec Section.

The section remains.

- 2) Paragraph 2.2.A states that the Boulders shall be weathered rocks, and Note #2 under Boulder Type Sizes on Dwg L821 also states that the Boulder Faces will be Naturally Weathered. However, this is not possible because all of the regional quarries produce their stone products through the use of controlled blasting on a frequent basis that produces what is called “shot rock”. As a result we know of no known source of large weathered rocks within 50 miles of this project for use as the Specialty Boulders. Therefore, please delete all references in the Specifications for the Contractor to provide weathered rocks for the Boulders.

The section remains.

- 3) Detail 9 on Dwg L821 shows a Boulder that has been sawn flat on the bottom and drilled for dowels that will anchor the boulder to a concrete slab. This detail is not practical or feasible to execute for several reasons, and the intended purpose of this detail can be accomplished with the use of more practical means and methods that will ensure that the Boulders are anchored to the substrate. Therefore, we request that this detail be revised by providing an additional Note that allows the Contractor to submit alternate means and methods for securing the Boulders to the concrete substrate.

The detail remains.

- 4) Detail 7 on Dwg L821 shows dowels being used to anchor the first level of the Boulders to a concrete footing. This detail is not feasible to execute and we request that it be changed to allow for the use alternate methods, such as the use of a mortar setting bed since the mortar setting bed will not be exposed to view and the mortar setting bed will be sufficient to anchor the Boulders to the footing.

The detail remains.

- 5) Note #3 at the bottom of Dwg L821 states that the Boulders shall not have sharp edges, yet the photograph in Spec Section 321170 shows Boulders with sharp, angular edges. So, please clarify what type of rock is acceptable is to be used for the Boulders. All of the locally available Diabase, Granite, Igneous or Basalt rock will be shot-rock and will have sharp, angular edges. Therefore, all of the likely sources of the Boulders will not be able to provide Boulders without sharp edges. Please clarify.

The note remains.

- 6) Due to the expected difficulties of finding just the right types of rocks, with just the right type of weathered faces, and with no sharp edges, and with the

right color range, and with the desired size ranges, and within 50 miles of this project, we request that the purchase of the Boulders be removed from this Contract. The procurement of the Boulders would be much better handled as an Owner-Furnished (and Delivered), Contractor Installed Item. The Boulders are not needed for at least 18 months from now, which gives the Owner and the Landscape Architect plenty of time to find just the right quarry to meet all of the subjective design criteria for the Boulders. Please clarify.

The scope remains.

- 7) We also request that all Boulder Placement work be performed by the Contractor on a Cost Reimbursable Basis (with allowable mark-up), and that for bidding purposes we request that this work be covered by a Fixed Lump Sum Bid Allowance of \$300,000.00 for Bid Item 32.67. The whole process of selecting, sorting and placing, and re-setting the boulders at the site according to size, color and other aesthetic parameters is a very subjective process that involves trial and error positioning of the Boulders until the final composition has been achieved and approved by the Landscape Architect. This type of work is not appropriate or feasible to be performed on a Unit Price Basis. Please clarify.

The scope remains.

- b. On Dwg L601 there is a reference to see Detail 9 on Dwg L842 for details of the Transfer Boulders. However, Dwg L842 provides Fence Details and does not provide details of the Transfer Boulders. Please provide the missing information.

Refer to L-821 and L-822 for boulder details.

112. Cap Design:

- a. Detail 3 on Dwg C921 clearly shows a 60-Mil Geomembrane Liner placed on top of a 10" Clay Layer to produce the Cap in the Athletic Field. Based on this detail it appears that the Cap Design for this project involves both a Geomembrane Liner and a Clay Layer. However, the use of these two impermeable layers is redundant and not necessary. Two impermeable layers would be used under a Hazardous Waste Landfill to provide Double Containment, but a Cap only requires one Impermeable Layer. One Impermeable Layer can be accomplished by providing a 6" minimum thickness of Asphalt Pavement, or 6" of Concrete Pavement, or a single Geomembrane Liner. Not only is the Clay Layer redundant, but it adds unnecessary costs to the project because the 10" thick Clay layer requires more excavation to be installed. which generates more potentially contaminated soil to be disposed off-site, and good environmental Clay is difficult to find, expensive to transport, and is highly sensitive to weather conditions when being placed. Please clarify.

The detail is correct.

- b. Please clarify the Type of Geomembrane Liner to be used for this project.
 - 1) The Cap Details on Dwg C-700 call-out a 60-Mil Geomembrane Liner.

Correct.

- 2) The information provided in Detail 6 on Dwg C-920 calls-out an HDPE Geomembrane Liner.

Correct.

- 3) However, the list of Four Manufacturers and corresponding Liner Products in Detail 6, and in Paragraph 2.2.B of Spec Section 310519 provides different information. Of the four listed Liner products only one of them is a 60-Mil HDPE Geomembrane Liner. The other three Liner Products are 40-Mil Liners made with different materials. Considering that the Liner is for a Cap, we would have expected to see a Liner made with 40-Mil PVC, or equivalent. Please clarify the type of Geomembrane Liner to be used for this project.

A 60-mil HDPE liner is the basis of the design, equivalents maybe submitted that meet the same criteria.

- 4) None of the Strength Properties provided in Paragraph 2.2.C of Spec Section 310519 or in the Chart provided in Detail 6 on Dwg C-920 apply to geomembrane liners. All of those Strength Properties apply to geotextiles.

The table is applicable to the liner and potential approved equal products which may be proposed.

- 5) Specification Section 310519 does not specify how to attach and seal the seams for the Liner, which will vary based on the type of Liner that is specified. Please provide this missing information.

Refer to the manufacturers requirements for sealing and taping.

113. Recycled Concrete Aggregate:

- a. Paragraph 2.1.G of Spec Section 312000 – Earthwork does not permit the use of Recycled Concrete Aggregate (RCA) for the Aggregate Base Course for this project, which not only contradicts the sustainability objectives of this project to maximize the use of recycled products, but is not consistent with the explicit approval and endorsement of RCA by all New Jersey Transportation Agencies and the Port Authority of NY & NJ. All of these agencies allow the use of RCA for the Aggregate Base Course as long as the RCA meets the appropriate gradation and does not contain excessive amounts of deleterious materials. Therefore, we request that Spec Section 312000 be revised to allow for the use of RCA on this project to construct the Aggregate Base Course.

The park property is an SRP Site, and because the remedy has already been established in 2016 and recorded, and this project is merely a cap modification, there is no provision for importation of “alternative fill”, therefore, all imported fill must be “certified clean” as defined by NJDEP’s Fill Material Guidance for SRP Sites dated April 2015 Version 3.0. NJDEP

and USEPA have full jurisdiction over this cap modification activity, not the Port Authority or NJDOT.

114. Spec Section 312300 – Excavation, Filling and Grading:

- a. Paragraph 2.1.C states that the cost of Imported Fill material shall be imported by the Contractor at his expense. This requirement is not fair or reasonable and needs to be deleted because the Contractor deserves to be compensated for all Imported Fill that is required for the project. The Contractor is not in any kind of position to know how much of the excavated soils from the project will be geotechnically or environmentally suitable for re-use on as fill or backfill. Therefore, please delete this inappropriate language.

Refer to the specification.

- b. Paragraph 3.2.A states that the General Contractor or Construction Manager will have others provide a Bench Mark, Property Lines and Corners. Please clarify which party will be responsible for the performance of this Survey Work.

General Contractor.

- c. Paragraph 3.2A.1 mentions the installation of “permanent monuments” sufficient for the layout of the construction work. Please remove the term “permanent monument” because the survey control provided by Contractor for this project will be temporary and for the purpose of laying out the work.

Permanent in this usage refers to the entire timeframe of the construction project.

- d. Paragraph 3.5.A states that the Contractor shall dispose of all excess excavated materials at the Contractor’s expense, which is not fair or reasonable, and is not consistent with the expectation that contaminated soils are present at this site and will require off-site disposal or beneficial re-use at an off-site permitted disposal or re-use facility. The Contractor cannot predict how much of the existing excavated soil will be geotechnically suitable or environmentally suitable for re-use as backfill or fill. Therefore, please revise or remove this paragraph to provide compensation for the off-site removal of excavated soils that are geotechnically unsuitable or contaminated.

Refer to the specifications.

115. Experience Requirements:

- a. Many sections of the Project Specifications include language that requires manufacturers and installers with five years and ten years of experience performing similar work, even though most of the work subject to these experience requirements would not be regarded to be Specialty Work. The excessive application of experience requirements in the Project Specifications is very unusual and is not necessary when the Contract documents provide detailed Drawings that show what is to be constructed along with a complete set of Specifications that prescribe what is to be purchased and how it is to be installed in order to achieve the specified standard of quality. We know of no other Public Works Contracts

or Contracting Agencies that insert such excessive experience requirements in construction specifications for the performance of the type of work that will be performed on this project. Experience requirements are typically used to select professional consultants and sometimes for the selection of contractors during a special prequalification process. Contractors routinely identify their selected Subcontractors and Suppliers after the award of the project for informational purposes. However, the Contractor's choice of Subcontractors and Suppliers is typically not subject to the kind of excessive scrutiny that is currently provided in the Project Specifications. Here are examples of the excessive and unnecessary use of experience requirements that need to be removed from this Contract

The specification and drawing shall be complied with.

- 1) Paragraph 1.4.A of Section 080671 requires 5 years of experience from the Door Hardware Manufacturer, and Paragraph 1.4.B requires 3 years of experience from the Door Hardware Installer, and Paragraph 1.4.C requires 5 years of experience from the Door Hardware Distributor.

The specification and drawing shall be complied with.

- 2) Paragraph 1.5 of Section 084126 requires 5 years of experience from the Installer of the All-Glass Entrances, and Paragraph 1.5.B requires the Suppliers and Installers to be authorized prior to project bid.

The specification and drawing shall be complied with.

- 3) Paragraph 1.4 of Section 087100 requires 5 years of experience from the Door Hardware Manufacturer, and Paragraph 1.4.B requires 3 years of experience from the Door Hardware Installer, and Paragraph 1.4.C requires 5 years of experience from the Door Hardware Distributor.

The specification and drawing shall be complied with.

- 4) Paragraph 1.6 of Section 088714 requires 10 years of experience from the Glazing Film Manufacturer, and Paragraph 1.6.B requires 5 years of experience from the Glazing Film Installer.

The specification and drawing shall be complied with.

- 5) Paragraph 1.3.A of Section 095113 requires 5 years of experience from the Acoustical Ceiling Installer.

The specification and drawing shall be complied with.

- 6) Paragraph 2.1.B of Section 099100 requires 5 years of experience from the Manufacturer of the Special Floor Coatings.

The specification and drawing shall be complied with.

- 7) Paragraph 1.4.C of Section 099100 requires 5 years of experience from the Painting Applicator.

The specification and drawing shall be complied with.

- 8) Paragraph 1.5.A of Section 107119 requires 5 years of experience from the Manufacturer of the Flood Related Closures.

The specification and drawing shall be complied with.

- 9) Section 131213 has an over-abundance of experience requirement in several parts of this Spec Section that are unnecessary.

The specification and drawing shall be complied with.

- 10) Paragraph 1.6 of Section 312300 requires 5 years of experience installing SOE systems and at least three project of equivalent size and complexity as this contract.

The specification and drawing shall be complied with.

- 11) Paragraph 1.8 of Section 311160 requires 5 years of experience from the Installer of the Stone Fines Paving, and 5 years of experience of the Installer's Foreman.

The specification and drawing shall be complied with.

- 12) Paragraph 1.6 of Section 321410 requires 5 years of experience manufacturing precast concrete pavers, and Paragraph 1.6.B requires 5 years of experience from the Unit Paver Installer.

The specification and drawing shall be complied with.

- 13) Paragraph 1.5.A of Section 321440 requires 5 years of experience from the provider of the Stone Pavers, and Paragraph 1.5.B requires 10 years for experience from the Stone Paver Installer, and 10 years of experienced from the Installer's Foreman.

The specification and drawing shall be complied with.

- 14) Paragraph 1.6 of Section 321823 requires 3 years of experience from the Installer of the Basketball Court Surfacing.

The specification and drawing shall be complied with.

- 15) Paragraph 1.5 of Section 328400 requires 3 years of experience from the Irrigation System Installer.

The specification and drawing shall be complied with.

- 16) Paragraph 1.3. D of Section 329100 requires 5 years of experience of the Landscape Contractor and their Foreman.

The specification and drawing shall be complied with.

- 17) Paragraph 1.4. D of Section 329100 requires 5 years of experience of the supplier of the soil mixes.

The specification and drawing shall be complied with.

- 18) Paragraph 1.6. A of Section 329210 requires 5 years of experience of the Landscape Contractor for Turf installation.

The specification and drawing shall be complied with.

- 19) Paragraph 1.7 of Section 329310 requires 5 years of experience of the Landscaper, 5 years of experience of the Landscaper's Foreman, and 3 years of experience of the Landscape Contractor's crew for the installation of the Plantings.

The specification and drawing shall be complied with.

B. PKF Mark III Questions:

1. Drawing S-001, Foundations note #1 states:

“BUILDING AND SITE STRUCTURE FOUNDATIONS SHALL BE SUPPORTED BY DRIVEN PILE FOUNDATIONS WITH END BEARING ON ROCK WITH AN ALLOWABLE BEARING CAPACITY OF 8.000 PSF OR SHALLOW FOUNDATIONS ON REINFORCED SUBGRADE WITH AN ALLOWABLE BEARING CAPACITY OF 1.000 PSF. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE. ALL NECESSARY ADJUSTMENTS TO THE BOTTOM OF FOOTINGS TO BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. FOUNDATION DESIGN AND DETAILS ARE BASED ON THE GEOTECHNICAL REPORT FROM E&LP ISSUED NOVEMBER 2, 2018.”

The bid items list HP 10 x 57 piles under some structures but, not all. There is a plan for piles under the 1MM gallon tank mat yet there is no bid item for these piles.

Sheet S-111 shows HP 16 x 162 piles under the detention tank. These piles are included in pay item 33.35 in the Bid Form.

Another drawing shows a DGA and geogrid mat under the 1MM gallon tank mat. There isn't a per lineal foot item for H pile so the contractor is expected to absorb the risk on pile lengths.

There is a reinforced subgrade requirement under the detention tank mat slab in addition to the required piles. Depth to bedrock is as shown in the geotechnical report.

After taking these facts into account we are left to conclude that you expect the contractor to pick which foundation system to bid on and guarantee its adequacy.

The detention tank requires a mat slab, piles, and pile caps as shown in the Structural Drawings. It also requires a reinforced subgrade per the Civil Drawings.

My questions are;

- a. I would ask that the Owner pick one of the two foundation systems. Contractors can't be expected to guarantee that the mat system will provide 1,000 PSF without extensive study.

The detention tank requires a mat slab, piles, and pile caps as shown in the Structural Drawings. It also requires a reinforced subgrade per the Civil Drawings. Piles are required only where shown. For shallow foundation locations, if reinforced subgrade is installed per specification and manufacturer's requirements, the allowable bearing capacity will be obtained.

- b. If we opt to use reinforced mats under the items that have bid items for H piles: Do we bid the H piles as N/A? Where do we put the money for the reinforced mats?

The detention tank requires a mat slab, piles, and pile caps as shown in the Structural Drawings. It also requires a reinforced subgrade per the Civil Drawings. The mat spans between piles. Piles are required everywhere they are indicated on the drawings.

- c. If we opt to drive piles: Can there be a per LF item for H piles furnished and H piles driven like NJDOT uses? Shifting risk to the contractor only results in high bid prices.

Sheet S-111 shows HP 16 x 162 piles under the detention tank. These piles are included in pay item 33.35 in the Bid Form. Piles are not optional.

C. AGATE Construction Co, Inc.

1. On sheet S-111 numerous references are made to reinforcement schedules. Can you please provide these schedules?

Refer to Sheet S-001.

2. Can you please provide a section view of the Cistern Slab plan shown on S-111? The sections on C-929 pertaining to the cistern show no slab at all, is this incorrect?

All structural slab detailing should be viewed in the S series. Therefore, S-111 section view should take precedence over C-929.

3. Can you please provide the estimated lengths of HP16x162 that are to be installed under the IMG detention system as well as the Cistern?

Refer to the appropriate C sheet and Appendix E Report of Geotechnical Investigation.

4. Sheet C-500 make numerous references to “see MEP plans”, can you please provide the MEP plans?

Refer to sheet series P, M, and E.

5. Please identify the sizes of the water lines to be relocated on C-500.

Water line to be relocated has an 8” diameter.

6. Please refer to Supplementary Conditions Article SC-5.04 and Hoboken Conditions Article 23. There are several conflicts in the specified limits of Liability for the various insurance coverages. Please clarify.

Previously addressed in this Addenda at question A.22, “Customer’s Insurance”.

7. In general, there are significant conflicts, similar to the specific conflict noted above, between the General Conditions (Section 00700) as amended by the Supplementary Conditions (Section 008000) and the Hoboken Conditions (Section 008030). Please specify which conditions take precedence in case of conflict.

Refer to 008000 Agreement for additional information.

8. The Site Demolition plans and specs indicate numerous existing site furnishings that are to be removed, stored and protected on site for transport by others. What pay item is associated with this work activity?

Salvage shall be by others. The contractor shall store the items safely onsite per the applicable Milestone.

9. Paragraph 3.01.D. of Section 011100 states that the Contractor shall, “...maintain noise levels to OWNER criteria.” Please provide the Owners’ noise level criteria.

Reference is made to the City’s noise ordinance.

10. Paragraph 3.02.A.1. of section 011216 indicates that there is a local ordinance for truck access routes to/from the project site. Please provide this ordinance.

Refer to the City of Hoboken ordinances. The contractor shall be required to submit a hauling route for approval.

11. Article 21 of Section 008030 indicates that “Specialty utility provisions as well as a list of all Corporations, ...” is given in Appendix B; but Appendix B is the BASF USEPA TSCA – Original. Please provide the specialty utility provisions as well as the list of all Corporations...

Appendix B shall be replaced with in the plans and specification.

12. Article 33 of Section 00830 states that no separate payment will made for erosion and sedimentation control; however, there are several line items in the bid form that appear to be applicable to soil erosion and sediment control. Please clarify.

The bid form accommodates standard erosion control measures to protect the perimeter of the site and access to. Additional fees for modification, operations, etc shall not be allowed.

13. Referring to Proposal Item 31.21, would you please explain how you determined the quantity of 167,800 SF of Orange Construction Fence so that we may properly bid the project.

The orange construction fencing is based on the total square footage of the vegetated cap.

14. The Typical Pile Cap Detail on Drwg S-510 refers to FO-100, FO-100.00 and FO-10; but we do not find these references. Please clarify.

Refer to S-101, S-110, S-111.

15. Referring to Proposal Item A .04, please advise what type of traffic signs are to be included. Are they solar signs similar to W11-2 shown on C-960 or are they typical aluminum sign panels mounted on breakaway posts similar to that shown in detail 13 on Drwg C-960. Also, detail 13 on Drwg C-960 refers to a sign schedule which does not appear to be included. Please clarify.

Signage shall include sizes typical to parking, loading zones, pedestrian crosswalks, stops signs, turn movement, etc.

Per C-960, refer to the plans for signage.

16. Referring to Structural Drawing S-101, are the grade beams marked GB-1 to be included in Lump Sum Proposal Item 01.01 CAFÉ AND COMMUNITY CENTER COMPLETE or Unit Price Proposal Item 03.14 GRADE BEAMS, GB-1, COMPLETE? If the grade beams called out on S-101 are to be included in Proposal Item 01.01, what GB-1 grade beams are to be included in Proposal Item 03.14. Please clarify.

The grade beam line items have been removed. Grade beams are to be included in Lump Sum proposal item 01.01.

17. Similar to the question immediately above, but referring to Structural Drawing S-102 are the beams marked B-1 to be included in Lump Sum Proposal Item 01.01 CAFÉ AND COMMUNITY CENTER COMPLETE or Unit Price Proposal Item 03.14 GRADE BEAMS, GB-1, COMPLETE? If the beams called out on S-102 are to be included in Proposal Item 01.01, what GB-1 grade beams that are to be included in Proposal Item 03.14. Please clarify.

The grade beam line items have been removed. Grade beams are to be included in Lump Sum proposal item 01.01.

18. Drawing C-800, Note 12 indicates the curbs are to be painted as shown on the detail. Please provided detail.

A detail is not provided.

19. Please provide clarification to the windloads to be assumed for the scoreboard foundation design. Are the Steel columns provided by owner? What size are they? Should the columns be braced or unbraced?

The scoreboard shall be provided by the owner. The contractor shall install per manufacturer's requirements.

20. In the Slab/Deck Schedule on Dwg S-001, the "remarks" for mark S18 states, "Refer to Typical slab details provided by Ice Rink Consultants for reinforcement, conduit & piping." We find no typical slab details from an Ice Rink Consultant. Further, Dwgs R-101 & R-102, Ice Rink Layout and Ice Rink Details respectively, do not provide slab details. Please clarify. If no response is provided, we will assume that there is no reinforcement, conduit or piping to be included in the 6" topping slab.

This is correct for the ice rink. Refer to fountain for related information.

21. Can you please identify what bid item the 88 LF of 36" PVC pipe should be included in? The proposal does not include an item for 36" PVC.

Refer to update bid items.

22. Can you please identify what bid item the 88 LF of 36" PVC pipe between MH # G2 and MH #G1 should be included in? The proposal does not include an item for 36" PVC.

Refer to update bid items.

23. Please refer to Proposal Item 31.10 which reads, "Install Salvaged Base course, 6" below Upper Plaza slab (24,850 SF), complete" with a quantity of 425 CY which represents a 6" thick layer of base course over the 24,850 SF. Please also refer to detail 4 on Dwg C-910 which appears to be applicable to the "Upper Plaza Slab" referred to in Proposal Item 31.10. Detail 4 shows 12" of salvaged asphalt base beneath the unit pavers. Is the base under the unit pavers on the upper plaza (or "terrace") slab to be 6" or 12"?

The upper plaza is to be 12-inches.

24. Referring to Proposal Items 31.11 and 31.12, are these items to include the "demarcation" geotextile called out in the sections on plan sheet C-700 for the Cap?

Refer to 31.21 for visual demarcation layer.

25. Referring to Proposal Items 31.11 and 31.12, since there are multiple layers of geogrid and geotextiles required in many areas, will each layer be measured separately for payment under this Proposal Item?

Refer to update bid items.

26. Please refer to Proposal Item 31.11 entitled "Furnish and Install Geogrid and separation geotextile at upper plaza slab, complete." Please also refer to detail 4 on Dwg C-910 which shows no separation geotextile under unit pavers which are to cover the upper

plaza (or “terrace”) slab. Please advise if geotextile is required. If so, please revise the detail. If not, please revise the Proposal Item.

Refer to update bid items.

27. Proposal Items 3.13 and 3.14 are unit prices for Beam B-1 and Grade Beam GB-1 respectively. Beam B-1 and grade beam GB-1 are located in the Café and Community Room and are called out on structural plans S-001, S-101 and S-102 along with other café and community room structural elements GB-2, W-1, W-2, SW-1, and S5.25. Since these other structural elements appear to have no associated Proposal Item, where are the costs associated with these other structural elements to be included? If they are to be included in lump sum Proposal Item 01.01, what is the purpose of the unit price Proposal Items 3.13 and 3.14 for Beam B-1 and Grade Beam GB-1 only?

Item 3.13 and 3.14 have been removed.

28. Our order of magnitude estimate is significantly higher than the \$43M provided in the bidding documents. Will the City have sufficient funds to award a much more expensive project?

The project will be voted on by the City of Hoboken city council.

29. The light pole foundation schedule on Dwg S-001 refer only to site lighting fixtures A01 to A09; however, Dwg LT.01 and Appendix A also call out site lighting fixtures A10, A11, A12 and A13. In addition, there are no Proposal Items for site lighting fixtures A10, A11, A12 and A13 despite there being Proposal Items 33.47 through 33.59 for fixtures A01 to A09. Further, Proposal Item 33.53 appears to conflict with Proposal Items 33.54 to 33.56. Please clarify al of the above.

Refer to revised bid items.

30. Referring to Proposal Item 31.18, what diameter filter sock is required?

12-inch.

31. Please specify what excavation is to be include in Proposal item 31.05?

31.05 is to be used in conjunction with 31.06 and 31.07 for off-site disposal.

32. In what Proposal Item is the chiller pad to be included?

Item 03.15

33. Are slabs on grade to follow the typical detail on Dwg S-510 or the specific sections on the civil drawings?

Refer to the civil drawings.

34. Please refer to detail 1 on Dwg C-926. Please provide a detail for the wall-with-footing element shown at the stormwater bumpouts. Are these elements included in unit price Proposal item 32.18 Concrete Curb? If not, where are these elements to be included?

Cost shall be included in the bumpout item.

35. Are the cobblestones set in mortar bed at the stormwater bumpouts included in the unit price Proposal Item 32.14 Cobble Paving at Tree Trench? If not, where are they to be included?

Cost shall be included in the bumpout item.

36. Referring to unit price Proposal Item 32.16, please specify the 600 CY of structural fill that is to be included in this item?

Refer to geotechnical report and earthwork specification for information.

37. Please provide a detail and layout for the entry signs that are to be included in Proposal Item 32.25.

Refer to Landscape sheets for locations. A detail is not provided at this time.

38. Please identify the intent of Spec Section 320190; Site Maintenance. Is it the intent for the contractor to provide daily maintenance, including grass cutting, chemical applications, soil inputs, plant grooming, weeding, seasonal cutbacks, replacements, mulching, pruning, turf management, string trimming, leaf shredding, aeration and overseeding, and seasonal work. If so, the “annual” and “seasonal” items do not have a duration, nor is there a pay item for compensation.

Correct.

39. Is the contractor required to water the vegetation for a certain period of time or until irrigation system is operational?

Alternate A.06

40. Item 32.73; F&I Dugouts / Backstops, compete: Is there a detail and spec section for the backstop?

Refer landscape series drawings and specifications.

41. L840; Detail 8: Does this detail (footing) reflect the 6 bleachers @ the multiuse field (Item 32.63) and the 4 moveable bleachers (32.76)? If so, where is this footing to be constructed for the moveable bleachers?

The movable bleachers do not have a footing.

42. Referring to the chiller slab on Dwg S-110, it appears that there is a curb or wall atop the slab. If so, please provide details.

There is no curb or wall on the chiller slab.

43. Sections 13 and 14 on Dwg L800 provide typical sections through the dry set and mortar set unit paving that is to be installed at the fountain/ice rink on top of the area that is to be supported by the 12” structural slab and receives a 6” topping slab. However, some of the areas over the pile supported slab (e.g. just west of the ice rink and at the ice resurfer parking area) do not appear to require the topping slab. Please provide a typical section for the areas over the pile supported slab that are not under the ice rink.

Refer to civil series sheets.

44. Proposal Item 32.01 entitled “Furnish & Install Unit Paving on Concrete Slab” with a quantity of 22,876 SF indicates that the item is to include a slab-on-grade; however, only approximately half of this 22,876 SF is a slab-on-grade. The remainder of the area is over a pile supported slab that is to be included in Proposal Item 03.15. Please clarify what concrete is to be included in unit price Proposal Item 32.01.

The topping slab is continuous over this area including the pile supported slab.

D. Railroad Construction Co, Inc.

1. Dwg C-130 at the center of the drawing shows the note “EXISTING ASPHALT LAYER TO BE REMOVED. DGA LAYER TO BE STOCKPILED FOR REUSE” Please advise the thickness of the ASPHALT LAYER.

Refer to Appendix E Report of Geotechnical Investigation.

2. Per the above note, please advise the thickness of the DGA LAYER.

Refer to Appendix E Report of Geotechnical Investigation.

3. Dwg C-130 shows the “cross hatch legend for “EXIST. CONCRETE TO BE REMOVED”. We cannot find a Bid Item for Concrete Removal. Would you please consider adding a bid item for Concrete Removal?

A bid item has been added.

4. Bid Item 02.02 is described as “Remove and Reuse Asphalt pavement and berm”. Is the intention to actually reuse the Asphalt pavement or is the intention to reuse the DGA or other crushed stone beneath the Asphalt pavement?

Refer to sheet C-910 for possible asphalt reuse locations.

5. Per the above question 4. Where is the Asphalt berm and what is the size, shape and thickness? Is the intention to use milling to remove the asphalt pavement for reuse?

Refer to Sheet C-120 for berm location. Refer to sheet C-910 for possible asphalt reuse locations. Refer to Appendix E Geotechnical Report for thickness information.

6. Is compliance with “SITESv2”, is asphalt milling material from onsite or from offsite acceptable as subgrade material at new pavements?

Salvaged and reused RAP from onsite only will be considered for use in pavement subgrade.

7. Bid Item 02.03 is described as, and “Remove and Dispose of Asphalt Pavement and berm”. This description is different from Bid Item 02.02

Correct. Bid item 2.02 is Remove and Reuse Asphalt pavement and berm and 2.03 is Remove and Dispose of Asphalt pavement and berm.

8. We cannot find drawings or sketches showing Maintenance of Traffic on the roadways where traffic calming and rain-garden bump-outs are to be constructed and where utilities are to be relocated in the travelled way. Is there a Traffic Plan available showing barricades, signs, barrels, cones. Etc.? Please advise the permissible working hours for work in the streets.

Traffic control plans shall be per the contractor’s schedule and work. 12th Street shall be closed per the specification. The contractor shall submit a traffic control plan to the City for review.

9. May we assume that Bid Item 00.07 “Allowance for Police” is to be used for traffic control?

Correct.

10. Due to the enormity of the proposal pages, and to allow the Contractor to make price adjustments the morning of the bid date, please consider the re-issuing the price proposal item pages as an Excel document in lieu of requiring the unit pricing to be written by hand in words and figures.

The proposal page shall be per specification. An Excel file cannot be issued or substituted.

11. Section 004313, page -21, Bidder’s Qualification Form, line 1, please clarify which number of years is required in the statement “at least five (5) jobs performed within the last three (5) years of a similar...”

The line shall read “at least five (5) jobs performed within the last five (5) years of a similar...”

12. Section 004313, page -21, will the park experience of our subcontractor be taken into consideration in addition to the General Contractor’s stormwater, cofferdam, and civil experience?

Yes.

13. EMD page 1 of 4, Environmental Maintenance Bond, this bond is to be for \$25,000 or 50% of the price bid for materials needed to fulfill the environmental specifications for one year from the expiration of the performance bond. Please identify which specification section or bid proposal items this is to cover.

The cap and soil disposal items.

14. Drawing SOE-001, note 8, please identify what permits the Contractor shall be responsible for as mentioned therein.

Refer to section 003143.

15. Section 008030-9, paragraphs 4 and 5, regarding the Owners Protective Liability policy (OCP) and the Umbrella Liability insurance policy: The last line of paragraph 5 states "The OCP policy as required in Item #4 should be an underlying policy." These are two separate and distinct policies, and it is not possible to add the OCP as an underlying policy to our Umbrella coverage. If the intent of this statement was to increase the limits of the OCP above the stipulated \$1 million, then please clarify with a revised value.

The following change shall be made to HOBOKEN CONDITIONS OF THE CONTRACT, SECTION 008030 at Art. 23 INSURANCES, at section A(4): delete the last sentence which states: "The OCP policy as required in Item #4 should be an underlying policy."

16. Our analysis of the geotechnical information provided with the bid documents indicates that the support of excavation system as designed, although adequate for construction, will result in excessive settlements in the adjacent streets. To reduce settlements additional levels and larger wales and struts will be required.
- a. What are the allowable deflections of the SOE system?

Refer to specification wherein a PE shall submit signed and sealed submittal.

- b. Is it the contractors responsibility to confirm the design included in the contract?

Yes.

- c. Has the current design accounted for loads that will be imparted by the equipment that will be required to drive the H-Piles?

A limited surcharge has been provided. The contractor shall provide a signed and sealed submission package addressing these items.

17. The equipment that will be utilized by the specified tank installer will require crane pads constructed on pile supported foundations. Will these piles be permitted to remain in place if cut-off below grade?

Piles can remain in place but shall be located in the as-built drawings for future reference.

18. Will the allowance price in the bid proposal for dewatering be used for the Contractor's discharge of dewatering into the public system from the time the cofferdam is started until the entire detention system is backfilled, as well through the time the headworks is completed?

The dewatering allowance is to be used for fees payable to NHSA.

19. Due to amount of time being requested by our numerous vendors and subcontractors, and vetting those who will participate in meeting the SED requirements, please consider our initial request on 4/24/19 for postponing the bid date until June 4.

Refer to Addenda 3.

20. Please identify the limits of the required coating on the piles.

The entire pile length shall be coated.

21. Dwg C-910 shows detail 6 "CONCRETE CURB DETAIL." The top width dimension is not shown. If we assume 8" would we be correct?

A 6-inch curb is detailed.

22. Dwg C-910 shows detail 6 "CONCRETE CURB DETAIL" 1'-6" high. Dwg C-924 and Dwg 925 show the several "STORMWATER BUMPOUT PLAN VIEW"(s). In each of these PLAN VIEWS there is shown a call-out for "6" CIP CONCRETE CURB". Referring to the detail 11 "STORMWATER BUMPOUT SECTION DETAIL" this "concrete curb" is actually 4' +/- deep with a base dimension of (scaled) 1'-0". The BID FORM contains Bid Item 32.18 "Furnish and Install Concrete curb Complete." Is Bid Item 32.18 intended to include both types of curb, or should there be a separate bid item for the 1'-6" high curb, and a separate bid item for the 4' +/- high curb.?

Stormwater Bumpouts shall be per item 32.82. Curbs shall be per 32.18.

23. We cannot find a reinforcing steel detail shown for the 4' +/- CIP CONCRETE CURB. Is there a dimensional detail and a reinforcing detail?

Reinforcing shall be provided in shop drawings submission per section 033300.

24. Dwg C-400 at the bottom right side shows the "TEMPORARY STORMWATER PUMP DISCHARGE LOCATION." What is the material and size of the FORCE MAIN connecting the PHASE 1 PUMP to the EXISTING SEWER?

The temp discharge pipe is a 4-inch schedule 40 PVC.

25. On Dwg C-400 at the South side of the PUMP CONTROL BUILDING shows a proposed electric line labeled "TEMPORARY PUMP CONTROL LINES". But the PUMP CONTROL BUILDING is in the future. From where should the pump control lines be run for Phase 1?

The pump control building will be constructed during phase 2. The pump control lines shall be installed at the conclusion of phase 2.

26. We interpret that the Wet Well and Pumps for the Temporary Duplex Pump Station is included in this contract.
Is the removal of the Temporary Duplex Pump Station part of this contract or as part of the future permanent Pumps installation by others?

The temporary duplex pump station shall become part of the flushing system when the NHTA pump station comes online.

27. Dwg S-114 shows the BOARDWALK FRAMING, and calls for “PRESSURE TREATED 4” x 8” JOISTS” in the W18x60 Steel Beams. The 4” x 8” will have to be bolstered up from, the bottom flange. Is there a detail for this bolster?

No. This shall be provided in shop drawing submission per submittal requirements of the applicable spec section.

28. The PEDESTRIAN BRIDGE I on Dwg S-115 & PEDESTRIAN BRIDGE II on Dwg S-116 both call for “4 x 8 PRESSURE TREATED JOISTS @ 16” O.C. TYP.” The 4”x 8” JOISTS will fit in the W8x18 and the W10x33. The W10x33 will require a bolster. Is there a detail for this bolster?

No. This shall be provided in shop drawings submission per submittal requirements of the applicable spec section.

29. Please provide a specification for the “Clay Liner” that is called for at various locations on the drawings.

Per 40 CFR 761.61(a)(7), Cap materials that consist of “compacted soil” require a minimum thickness of 10 inches and meet the specifications per § 761.75(b)(1)(ii) through (b)(1)(v), specifically, that the “compacted soil” cap material must have a permeability, sieve, liquid limit, and plasticity index (essentially equivalent to clay)

30. Utility plan C500 indicates “water main relocation in street”.
- a. What are the sizes of the water main piping to be considered in the bid?
- 8-inch.**
- b. Will these mains require insertion valves or will they be modified when out of service?

The contractor shall utilize means and methods to make the connection, including but not limited to deenergizing the main via existing infrastructure, isolation valves if the existing infrastructure is in adequate, or wet tapping where main sizing allows.

- c. Under what pay items is this work to be included?

Refer to bid item 33.16

31. Pertaining to the design of the IMG Detention System, the named supplier/installer in the project specifications for the precast stormwater detention units had indicated they will be utilizing cranes that could range from a 400-ton crawler to a 600-ton hydraulic crane, yet to be determined. Based upon this information as it pertains to the design of the sheeting and bracing, and crane mat support requirements:
- a. What equipment/live loading has the sheeting and bracing system in the Contract Drawings been designed for?

A nominal loading was assumed. The contractor shall provide for appropriate loading within the submitted design, signed and sealed by the contractor's engineer.

- b. Please explain if the design taken into consideration operating said equipment on all sides?

The contractor shall provide for appropriate loading within the submitted design, signed and sealed by the contractor's engineer.

- c. Are there any restrictions regarding the distance between operating this equipment to the sheeting?

The contractor shall provide for appropriate operations within the submitted design, signed and sealed by the contractor's engineer.

- d. Is the Contractor to base his bid price on assuming crane mats only, and any additional ground support measures will be compensated for after award as change order work?

Means and methods are by the contractor. No change order will be provided.

- e. Who is responsible for the design of the crane mat support system needed for the named supplier/installer if more than just mats are needed?

Means and methods are by the contractor.

- f. Can you provide a design or criteria for us to base our bid proposal upon?

The contractor shall provide for appropriate loading within the submitted design, signed and sealed by the contractor's engineer.

32. Pertaining to Drawing Sheet C-810:

- a. Please confirm that the pump house contractor will limit all of his work, staging and storage to within the dashed border area encompassing the note "Phase II NHSA Limit of Work" for the 15 month period after Milestone 8.

The pump house contractor shall be confined to the Phase II limit of work.

- b. Can we assume that we will have full and uninterrupted access to the remainder of the site from the time our works starts through the 15-month period the pump house contractor performs his work?

Correct.

- c. Will the pump house contractor be providing his own construction and security fencing during his work? If not, how is this to be paid?

The pump house contractor shall provide his own construction and security fencing.

- d. Note 3, please clarify to what elevation within the SOE will we be backfilling at the completion of Milestone 8, when we turn this area over to the pump house contractor?

The area shall be backfilled to grade, except for the north end which shall be exposed to the tank slab to allow the NHSA contractor to connect to the tank.

- e. If the SOE is not to be fully backfilled, under what pay item are we to include fall protection fencing around the SOE pit?

Bid item 33.35 shall account for all items related to the 1 MG tank.

- f. Note 4, please clarify the number of months that we will need to maintain the dewatering system after Milestone 8 has been achieved; this note states for us to maintain the system up through the time the connections are made by others, and yet states the connection will require 1 month.

Correct.

33. The file 2019_0410_NWRP_Appendix at page 72/466 is a document entitled "TABLE B-1 Expanded PCB Site Characterization Summary" consisting of Page 1 of 101 to Page 101 of 101. At 235/466 is a document entitled the same "TABLE B-1 Expanded PCB Site Characterization Summary" consisting of Page 1 of 109 to Page 109 of 109.

- a. Is there a reason that there are 2 of the same title TABLE B-1 but containing a different number of pages?

There are several revisions to the SIP. The two references are to two different revisions.

- b. How are the reports different from one another?

**Page 72 is included is a revision dated March 6, 2015.
Page 235 is from a document dated January 2015.**

34. Drawing C-500 shows 4 locations where the existing water line is to be relocated out of the proposed traffic calming Raingarden Bumpouts.

- a. We assume this work will be done while the existing water mains are out of service and not under pressure. Is that correct assumption?

The city shall deenergize the main for a discreet period of time to perform the work.

- b. What is the size and type of pipe of the existing water mains?

8-inch.

- c. What is the size and type of pipe for the relocated water mains?

8-inch DIP.

d. At the water line relocation shown on the bottom left of C-500 the existing pipe will be removed.

- 1) The existing pipe feeds a main on 12th Street East of Adams Street, this service will be lost with the removal. Is this the intention?

No, a tee intersection shall be maintained at both Adams and 12St connections.

- 2) The existing pipe also feeds a main continuing South on Adams St, this service will be lost. Is this the intention?

No, a tee intersection shall be maintained at both Adams and 12St connections.

e. At the water line relocation shown on the bottom right of C-500 the existing pipe will be removed.

- 1) The relocated pipe seems to show connecting to “EXISTING HYDARANT TO REMAIN.”

The connection shall be to the existing main via a tee. The hydrant shall remain in service.

- 2) However the existing pipe feeds a main continuing North on Adams St. This service will be lost if the relocated main is connected to the hydrant. Is this the intention?

The connection shall be to the existing main via a tee. The hydrant shall remain in service.

f. At the water line at the intersection of 13th Street and Jefferson St there is a note “EXISTING WATER LINE TO BE REMOVED FROM SITE PERIMETER TO PROPOSED CONNECTION ON SITE. Is the existing Jefferson St water main North of 13th Street to remain in service? Should it be capped or plugged? What is the size and type of pipe for this existing water main?

Only the water main that crosses the site from north to south shall be removed. The removed main shall be capped at the main remaining in service.

35. Drawing S-001, Concrete note 4, calls for all reinforcing steel to be A775 epoxy coated or Grade 60 (no coating mentioned) when called out on the plan. In the absence of any call-outs on the drawings or specifics within the specifications, shall the Contractor assume that all reinforcing steel is Grade 60, plain?

The contractor can assume all reinforcing steel is grade 60, plain.

36. Bid Form Item 33.14 is "Furnish and Install water line, complete" and quantity is 238 LF. Please advise where on the plans is this water line shown, and what size and material is the water main?

Refer C-924 and C-925. The water main is 8-inch.

37. Public Works Prevailing Wage Law S-2454 is The bill which was signed into law regarding prevailing wage requirements for off-site fabrication expanded the existing definition of "custom fabrication" within NJ's Prevailing Wage Act. "Custom fabrication" means: any fabrication which is either of components or structures pre-fabricated to specifications for a particular project of public work or of other materials finished into components without further modification for use in a project of public work or for use in a type or classification of a project of public work. In light of this new requirement, we are requesting confirmation if this project is deemed a Public Works project whereby labor for off-site fabrication would be required to be in accordance with the prevailing wages.

This recently enacted amendment to the prevailing wage law expands the circumstances for which prevailing wages must be paid. The prevailing wage laws of NJ are applicable to this project. All bidders are encouraged to discuss the new law with the NJ Dept of labor.

38. Drawing C-500 shows 4 locations where the existing water line is to be relocated out of the proposed traffic calming Raingarden Bumpouts.
- a. We assume this work will be done while the existing water mains are out of service and not under pressure. Is that correct assumption?

The contractor shall de-energize the main as needed, including but not limited to existing valves, isolation valves, wet tapping, etc. The condition of the water infrastructure is not known.

- b. What is the size and type of pipe of the existing water mains?

Typically 8-inch.

- c. What is the size and type of pipe for the relocated water mains?

8-inch

- d. At the water line relocation shown on the bottom left of C-500 the existing pipe will be removed.

- 1) The existing pipe feeds a main on 12th Street East of Adams Street, this service will be lost with the removal. Is this the intention?

No. The main will be installed to include the service.

- 2) The existing pipe also feeds a main continuing South on Adams St, this service will be lost. Is this the intention?

No. The main will be installed to include the service.

39. At the water line relocation shown on the bottom right of C-500 the existing pipe will be removed.
- a. The relocated pipe seems to show connecting to “EXISTING HYDARANT TO REMAIN.” However the existing pipe feeds a main continuing North on Adams St. This service will be lost if the relocated main is connected to the hydrant. Is this the intention?

Only the water main that crosses the site from north to south shall be removed. The removed main shall be capped at the main remaining in service.

40. At the water line at the intersection of 13th Street and Jefferson St there is a note “EXISTING WATER LINE TO BE REMOVED FROM SITE PERIMETER TO PROPOSED CONNECTION ON SITE. Is the existing Jefferson St water main North of 13th Street to remain in service? Should it be capped or plugged?
- a. What is the size and type of pipe for this existing water main?

The main to the south of this intersection shall be remained and capped at the valve.

41. Dwg C-140 at the corner of Adams St & 13th St there is a note “INLET TO BE REMOVED AND REPLACED (SEE SWM PLAN). EXISTING PIPE TO TIE INTO NEW INLET.” A similar note appears at the corner of Adams St & 12th St. We cannot find any proposed Inlets at these locations on the SWM PLAN C-400, C-403 nor C-404. Please advise.

The existing inlet shall be removed and the main capped.

42. Bid Form Item 33.15 is “Furnish and Install water valve, complete” and quantity is 1 EA. Please advise where on the plans is this water valve shown, and what size and specification for the valve. May we presume that this item includes the valve “box.”

Refer to the C-500 the intersection of 12th and Adams Street. The valve is an 8-inch. The valve box is included.

43. Bid Form Item 33.16 is “Furnish and Install Wet tap connection to water main , complete” and quantity is 4 EA. Please advise where on the plans are these Wet taps shown, and what size and material of the water main being tapped And what is the size and material of the connecting pipe for which the Wet tap is being made.

Refer to question A.89.a

44. Detail 11 on Drawing C-924 shows a “STORMWATER BUMPOUT SECTION DETAIL”, (aka “RAIN GARDEN BUMPOUT”). The SKETCH SHOWS “6” DIA. RISER OUTLET CONTROL STRUCTURE”. However Details 11/C-920 and 4/C-922 and 1/C-923 & 3/C923 Show different diameters. Please advise

Detail on C-924 refer to the stormwater basins construction, not the stormwater bumpouts.

45. Detail 11/C-924 includes a table of 20 “STORMWATER BUMPOUTs”. However Bumpout #6 and Bumpout #7 are one and the same bumpout. May we assume there are only 19 bumpouts?

Yes, however there are two outlet dome risers in bumpout 6/7.

46. Bid Item 33.29 is “Furnish and install Cleanout, complete” and quantity is 26 EA. We count 32 cleanouts in all of the bumpouts on Drawing C-400. Cleanouts are shown at the all the Bumpouts, sometimes multiple cleanouts in one bumpout. Some of the cleanouts are shown as the legend for CLEANOUT but are not labelled as cleanout. Should the unlabelled cleanouts be included in the count?

Refer updated bid item 33.29.

47. Drawing C-400 shows the legend for approximately 13 Cleanouts within the property lines on site. Are these 13 cleanouts included in the Bid Item 32.29?

Refer updated bid item 33.29.

48. Drawing C-400 shows, according to our count, 6 OBSERVATION WELLS. Detail 1/C-920 shows detail for the observation wells. However, we do not see a Bid Item for these wells. How are these wells paid?

Refer to Bid item 33.29.1

Bid Item 33.33 is listed as “Furnish and Install Combination Manhole / catch Basin, complete” quantity of 4 EA. We cannot locate these on the drawings. Please advise where we can find the location of these Combination Manhole / catch basins. Please advise where we can find the details for construction of these.

The four combination manholes are along Jefferson east of the turf field.?

49. Drawing C-400 at the top left corner shows 2 proposed B-Inlets. The note says “...TIE INTO EXISTING...” What is the size of the pipe draining from each inlet?

12-inch HDPE.

50. At both the above inlets INV OUT 0.00 Catch Basins and the note says “...TIE INTO EXISTING CSO INFRASTRUCTURE INV V.I.F” Please advise what is the size and type of the existing CSO. Not knowing the invert of the existing CSO, it could possibly be deep, requiring sheeting and dewatering and extended closure of Madison Street. If this information is not available, would you please consider an ALLOWANCE item for these 2 connections

The contractor should assume approximately 8-feet of excavation.

51. Drawing L-203 and F2.00 show a Trench Drain around the FOUNTAIN area and a TRENCH DRAIN at the East side of the PLAZA. These TRENCH DRAINS are not shown on Drawing C-400. Please advise what is the specification for these TRENCH DRAINS and under which Bid Item are they scheduled for payment?

Refer to the fountain specifications and bid items.

52. Detail 8/C-921 shows a “SLOT DRAIN”, please advise the location(s), the specification, the detail for installation and the connection to drainage system..

Refer to C-300.

53. Pertaining to the offsite removal and disposal of non-contaminated and non-hazardous surplus excavation generated from the installation of detention system and various elements on this project, deemed unsuitable as fill or backfill, please indicate how this is to be measured and paid.

The site is a net export. The contractor’s materials management for the reuse of suitable, unsuitable, and impact materials is the means and methods of the contractor.

54. Various bid items list within their item description the elements of geogrids and separation geotextiles, while other bid items do not list geogrids and separation geotextiles in their description. However section details of the items that do not list these elements, show their utilization.

- a. Please confirm that the geogrids and geotextile elements are only to be included within the pay items where specifically listed in the item description.

Refer to updated bid items 31.11, 31.12 and 31.121

- b. Please confirm that all costs for the furnish and installation of geogrids and separation fabrics that do not list these elements within specific bid item descriptions, shall be measured and paid separately per bid items 31.11 and 31.12 whether at the upper plaza slab or elsewhere on the site.

Refer to updated bid items 31.11, 31.12 and 31.121

- c. Bid items 31.11 and 31.12 show payment per “sf”. Please clarify if this means per square foot of surface area regardless if the sectional details show multiple layers geogrid elements.

Refer to updated bid items 31.11, 31.12 and 31.121

55. Please provide the description of what bid item 31.14 “NHTSA Dewatering Permit, Allowance” \$2,000,000 will be used to cover the cost of.

The bid item will cover NHTSA fees.

- a. will this cover the Contractor's cost for all discharge of treated groundwater collected from the project site into the public system?

The bid item will cover NHSA fees.

56. Please confirm that bid item 31.21 for visual demarcation plastic orange construction fence is not a vertical fence but rather a geogrid layer within the various horizontal section details.

Confirmed

- a. please confirm that all use of the demarcation fabric shall not be included in any other pay items, other than item 31.21

Confirmed

57. Please confirm that the concrete foundations and interior building slabs for the café and community center shall be included under item 01.01 "Café and Community Center Complete" even though the pile elements are included in item 03.01.

Confirmed.

58. Please confirm that all concrete terrace slabs exterior to the café and community center building wall structures shall be included under item 32.01 "furnish and install unit paving on concrete slab, 3" thick unit paver, complete".

Refer to L300.

59. Please confirm that the use of the term "upper plaza" and "terrace" are one and the same.

Confirmed.

60. Bid Item 31.10 "Install Salvaged Base course 6" below upper plaza slab 24,850 SF), complete" quantity of 425 CY

- a. Is the "upper plaza" synonymous with "terrace"

Correct.

- b. From where is the "Salvaged Base course" to be obtained.
Detail 7/C-921 "TRENCH DRAIN AT TERRACE" shows requirement for "6" SALVAGED AND REUSED DENSE GRADED AGGREGATE" Is this Salvaged and Reused Dense Graded Aggregate synonymous with Item 31.10 "Install Salvaged Base Course..."

The salvage base is the recycled pavement. DGA cannot be used as part of the cap but can be reused below the cap.

- c. Detail 8/ C-921 also shows “6” SALVAGED AND REUSED DENSE GRADED AGGREGATE”

The salvage base is the recycled pavement. DGA cannot be used as part of the cap but can be reused below the cap.

- d. Is this Salvaged and Reused Dense Graded Aggregate synonymous with Item 31.10 “Install Salvaged Base Course...”

Correct.

- e. In the event there is insufficient Salvaged Base Course, for whatever reason (contaminated, fouled with fines, just non-existent) could you provide a Bid Item for new “Dense Graded Aggregate Base Course”?

There is an excess of material. A line item has not been provided.

61. Is there a “separation medium (geotextile, membrane or similar) having been placed on the contaminated subgrade at the time the existing asphalt “Cap” was placed?

There is no separation medium between the asphalt and the underlying subgrade material.

62. Was there a distinct layer of crushed stone material, dense graded aggregate (or similar) placed on the contaminated subgrade at the time of “Capping”? If so, how thick is it?

There is a 6” subbase gravel installed above the historic fill and below the asphalt.

63. The GEOTECHNICAL INVESTIGATION REPORT contains the DRILLING LOGS.
Boring No. B-1 to B-5 describe the top 6” of the Boring as 6” Asphalt.
The next 18” of Boring No. B-1 is described as “Fill-Concrete Fragments, Asphalt, Ash, Sand, Silt”.
The next 18” of Boring No. B-2 is described as “Gravel, Ash, Sand and Silt”.
The next 18” of Boring No. B-3 is described as “Fill, Gravel, Ash, Silt and Sand”.
The next 18” of Boring No. B-4 is described as “Fill, Gravel, Ash, Sand and Silt”.
The next 18” of Boring No. B-5 is described as “Fill, Gravel, Ash, Sand and Silt”.
The next 24” of all borings indicate similar materials. Is it possible that the materials underlying the 6” of asphalt could be “DENSE GRADED AGGREGATE” and eligible for use as “SALVAGED DENSE GRADED AGGREGATE”? If so that is considerable savings on material. If not then there might possibly be a ‘shortage’ of salvage.

The salvage base is the recycled pavement. DGA cannot be used as part of the cap but can be reused below the cap.

64. In either event which pay item would apply for the excavation, stockpiling, and hauling to point of use of the salvage?

There are several items in the bid items to accommodate the use of recycled materials.

65. Drawing C-700 “CAP PLAN” shows the legends for and the descriptions of ‘Caps’ Type 1 thru Type 9. Drawing L500 shows “SOILS PLAN” shows the soils, soils legend with Soil Profile 1 thru Soil Profile 5.

Correct.

66. Drawing L940 shows the detail of the Soil Profiles. There are cases where the caps are different than the Soil Profiles for the same region. Which plan governs in the case of contradictions?

The cap plan refers to minimum depths. Whereas, L940 refers to detailed soil profiles.

67. Drawing S-510, left side, center, shows “TYPICAL PILE CAP DETAIL”. At the right side of the detail a note says “CAST IN PLACE 2-WAY CONCRETE SLAB SEE FO-100.00.” Where can we find FO-100.00?

FO-100.00 is erroneous. Refer to S-101, S-110, S-111.

68. Drawing C-360 “DETAILED INTERSECTION GRADING PLAN” (actually ...RAISED INTERSECTION...) shows 12 TH ST & MADISON ST; 13 TH ST & JEFFERSON St; 12 TH STREET & ADAMS ST; and 12 TH ST & JEFFERSON ST. There seems to be requirement for the surface of proposed pavement to be lower than existing and some places proposed pavement is higher than existing pavement. Please provide details as to:

- a. Is a minimum thickness of pavement required where ‘raised’ intersection proposed pavement meets existing pavement?

Refer to pavement detail. C-910.

- b. Please consider a Pay Item for removal of existing pavement to provide for minimum thickness decided upon.

Refer to bid item 32.18

- c. Please provide a Pay Item for addition of new asphalt overlay to meet the elevations of the proposed intersection elevations.

Refer to bid item 32.18

- d. The southerly 12th St/ Adams St raised intersection design seems to be unfinished to the South and East. Please advise

Refer to C-360.

- e. The northerly 12th St / Adams St raised intersection shows an elevation RIM 5.39 .and nearby there is an elevation proposed at 5.35, which will require lowering the RIM of whatever structure is there. Please provide a Pay Item for adjustment of Manhole Castings, Inlet Castings and Water Box Castings. A similar situation

exists at 12th St / Jefferson St where there is a RIM 5.18 but nearby there are proposed 5.15 and 4.95.

Refer to bid item 32.18

69. Bid Item 31.11 is “Furnish and Install Geogrid and separation geotextile at upper plaza, complete”. C-700 CAP PLAN and C-701 CAP PLAN SECTION PROFILES shows TYPE 1 HARDSCAPE which requires only “DEMARCATIION GEOTEXTILE FABRIC”, according to the TYPE 1 CAP TRANSITION DETAIL and the SECTION B-B SEGMENT 1. Neither Geogrid nor separation geotextile is called for. Please advise.

The geogrid component is not part of the cap but a structural component. The type 1 hardscape does call out the requirement for a demarcation geotextile. See C-700.

70. Bid Item 31.12 is “Furnish and Install Geogrid and separation geotextile across site, complete, complete”. C-700 CAP PLAN shows requirement for one (1) layer of either “DEMARCATIION GEOTEXTILE FABRIC”, or “60 MIL IMPERVEOUS GEOMEMBRANE LINER” but Please explain why both are in the pay item. Please explain what is meant by “across site”.

Refer to modified bid items 31.11, 31.12 and 31.12.1

71. Drawing C-700 at Detail 1 “CAP TRANSITION DETAIL” at the “CAP TYPE 3 STORMWATER BASINS” shows at the top of the detail “UNDERDRAIN LAYER WITH GEOTEXTILE LINER”, but at the TYPE 3 STORMWATER BASINS profile shows the “UNDERDRAIN LAYER” but does not show the “GEOTEXTILE LINER.” We interpret the TYPE 3 STORMWATER BASINS profile to be correct (without the “GEOTEXTILE LINER.”). Is our interpretation correct?

Correct, as long the basis of design product outlined in the plans and specification is used.

72. Paragraph 3.06 in section 015000 references the need for the Contractor to perform vibration monitoring. Under what bid item should this cost be included?

73.

Vibration monitoring is part and parcel to the means and methods of completing the scope of work and should be factored into the line items for which it is required.

74. Plan sheet C-402 calls out “12” dia. Area Drains” as well as “Play Drains”, what bid item are these drainage features to be included in?

“Play Drains” are included under Bid Item 32.67 Furnish and Install Play Valley Structures and Elements. The two 12” diameter area drains within the play area are under bid item 33.28 Furnish and Install dome riser, yard drains, complete.

75. Can you please identify where the 4 ea Combination Manhole/Catch Basins for Bid Item 33.33 are located?

The four combination manholes are along Jefferson east of the turf field.

76. Can you please identify where the 510 sf of Outlet Pipe & Rip Rap protection for Bid Item 33.34 is located?

The outlet pipe and rip rap protection are located in the bumpouts.

E. Posillico Inc.

1. Reference SOE-001: Drawing indicate a 250 psf surcharge has been included in the SOE design. Is this just for the water load from outside the sheeting system? What is the allowable crane load on the outside of the sheeting system and what is the minimum distance that needs to be maintained from the sheeting line for the crane?

The 250 psf surcharge is a nominal surcharge for miscellaneous equipment and materials that may be placed near the SOE.

The minimum crane distance will depend on the outrigger pad sizes, the outrigger pad bearing stress, and the distance between outrigger pads. This information should be provided for evaluation.

For the purpose of providing some information to the bidders, preliminary analyses indicate that the following crane outrigger configuration might be acceptable:

The crane will be placed at the longitudinal center of the excavation, after the mat foundation has been poured and cured, and the lower level strut is removed.

Outrigger pad size: 6'x6'

Distance of outrigger pad from SOE wall: 1foot

Distance between outrigger pads: at least 25 feet

Outrigger pad bearing stress: 4 ksf

2. S-111: What is minimum strength concrete mat needs to obtain before precast tank structure can be placed?

75% of design compressive strength.

F. Tomco Construction, Co.

1. Can you provide sizing for existing water mains required to be relocated?

Water line to be relocated has an 8" diameter.

2. Contract Drawing SOE-200 shows the MINIMUM TIP of the SSP at Elevation -73. Contract Drawing SOE – 200 also shows the existing grade at Elevation +6. Working the Boring Location Plan, included in the geotech report, with Contract Drawing C-120, EXISTING CONDITIONS, confirms the approximate elevation of existing grade at Elevation +6. Boring B-4, also included in the geotech report, indicates the top of rock (siltstone, with RQD = 31%) at approximate Elevation -64. Is it the intention of the Engineer to ATTEMPT to install the SSP approximately 8' into siltstone rock?

The depth to top of rock varies across the site. The basis of design was prepared based on the deepest observed rock depths in the area of the detention tank.

3. Boring B-4 also indicates the top of reasonably stiff – stiff clay with sand at approximate Elevation -42. With the elevation of the bottom of excavation at Elevation -25, why is the tip of the SSP 45’ deeper than the bottom of excavation?

The depth to top of rock varies across the site. The basis of design has been provided based on the deepest observed rock depths in the area of the detention tank.

4. Recognizing the relatively narrow street widths in Hoboken and the volume of POVs parked on the streets in Hoboken, requiring SSP 79’ (neat) in length poses a logistics problem delivering the SSP to Hoboken.

The contractor is required to prepare and submit both a haul route plan and protection and maintenance of traffic plan. These documents will help identify constraints for material delivery to the site as well as help schedule when no parking shall be designated in the streets adjacent to where work is happening or potential street closures if required. Additionally, the means and methods of construction are the contractor’s responsibility and further, the contractor is not precluded from proposing an alternate SOE design that meets the performance criteria and space constraints of the contract documents.

5. Please advise the capacity of the HP10x57 and the HP16x162 H-Piles

Per Driven Pile Schedule on S-001, HP10 = 100T Axial and HP16 = 335T Axial capacity.

6. Please confirm we are to do a Compression Test, Tension Test and Lateral Test on each type of H-Pile.

Yes, as required per code.

7. On the Static Compression Load Test, the specification calls for a Procedure A, Procedure B, Procedure C and Procedure G. Are we to do 4 Compression tests on each pile type? If we are to do only one on each pile type, , please advise which procedure we are to follow.

Procedure B – 24-hour test.

8. Specification calls for “number of test piles: as indicated”. None are indicated. Please advise.

A minimum of 3 test piles shall be performed. One at the building location, one at the palisades wall and one at the detention tank.

9. The H-Pile Specification calls for “A”: – High -Strength, Low-Alloy, Columbium-Vanadium Structural Steel: ASTM A-572/A 572M Grade 50 or Grade 60. “B” – High-Strength, Low Alloy, Nickel, Copper Phosphorous Steel H-Piles, ASTM A-690/A-690M “C” – High-Strength, Low Alloy, Structural Steel – ASTM A-588/A-588M. Please advise which specification is to be followed.

Use "A" ASTM A572.

10. The specification calls for the Coal Tar Epoxy coating to extend to a depth of 60 inches below finished grade to top of exposed pile. Please clarify exactly the portion of the pile to be coated as a substantial number of these piles are more than 60 inches below existing grade.

The entire pile being exposed to consolidatable clays shall be coated.

11. If splicing is required in the field, will weld testing be required? If so, what tests will be required.

All splicing shall meet code requirements for special inspections of structural steel.

12. There does not appear to be enough information included for the construction of the cistern and soil retention for same. Can you provide proposed grades and design for soil retention?

A basis for SOE Design has been provided for the 1MG Detention tank only. SOE design for any other components of the project is to be provided by the Contractor and meet the requirements of the specifications.

13. Regarding the cap plate on the top of the piles, please advise:

- a. The size and thickness of the plate for each size H-Pile

Refer to Sheet S-001.

- b. Can we plug weld the plate to the top of the pile at the two intersections of the web and the flanges.

Refer to Sheet S-001.

14. How does the play sand area get paid for? (4/L800)

Refer to bid item 32.14.

15. How does the EWF 3" w/ Stab get paid for? (5/L800)

Refer to bid item 32.07, 32.08, 32.09 for the applicable EWF.

16. Can you provide details for the following pay items:

- a. 32.1 Special Play Concrete

See specification 321314 Exposed Aggregate Concrete; Play Stream Sections L823.

- b. 32.17 Stamped HMA Pavement

See detail 9/C-960.

- c. 32.02 Unit Pavers (Mortar Set) (Str Detail)

Details on L800; Specification 321410 Unit Paving

G. Conti Enterprises

1. Please provide an earthwork summary as we have not been able to reconcile the quantities identified in the bid proposal.

The site has been designed to balance cut and fill to the maximum extent practical. However, this is expected to be a net export project. Bid item 31.05 represents the total estimated soil volume which will need to be removed off-site. Bid item 31.06 is an allotment for transport of hazardous designated soil off-site (estimated as 10% of the preceding bid item). These items are not meant to represent the total volume of soil the contractor will be moving are working with at any one time.

2. Please clarify the scope to be included in alternate A.01, the item references page S110-A and indicates the inclusion on slab, pile caps and piles; however, sheet S110-A removes scope shown on S110.

Sheet S-110A is to replace the portion of the terrace slab that is marked as “slab on grade” in S-110 with a pile supported slab around the two park buildings. Additional piles are shown in the layout on S-110A to this affect. Pile support under the fountain/ice rink portion of the terrace remains the same in both cases.

3. Please see payment description for item 00.08 on page 3 of section 012000 – “Allowance to cover unanticipated cost including but not limited to, un-located utilities and unforeseen site conditions. (No additional payment shall be made for excavation, replacement of fill material or dewatering). Use of allowance must be approved by the OWNER prior to the execution of the work.” How would the contractor be compensated for excavation, if unsuitable material is encountered or dewatering is needed if this condition presents itself? Please confirm that all additional work associated with these conditions would be either be compensated as part of the allowance or by using the change provisions of the contract.

Export material for disposal shall be per bid item 31.05, 31.06 and 31.07.

4. Please provide a unit price for aggregate or borrow in the event soft areas are discovered during grading and proof rolling, or will this be addressed as a changed condition within the provisions of the contract?

The bid includes items for the excavation and disposal of the net export material at the site. The contractor shall provide means and methods to manage onsite soils for excavation, relocation, reuse, etc to accommodate the construction of the park. The project will require imported materials that comply with the needs of the plans and specification, which are to be considered part of the bid item cost of those parts.

5. All H-pile items are shown with a unit of measure (EA); however, no clear tip elevation has been provided to establish lengths. Please identify what length contractor should use

for each pile type based on the location or revise pile pay item so that the compensation is by the FT, as this would allow for potential field variations.

Refer to the Geotechnical Report in Appendix E for varying depths to rock across the site.

- 6. Please clarify limits for pay item 01.01, is the concrete mentioned in the description only to include the walls & roofs with bellow grade concrete and slab covered in items 03.13 thru 03.15?

Pay items 03.13 and 03.14 are for the two park buildings. Pay item 03.15 is for the fountain/ice rink as stated. Concrete associated with the floor slab in addition to the walls and roofs should be considered under 01.01.

- 7. Please see Drawing A-600, mention is made to a T-3 clng in the interior finish table but that finish type is not identified in the schedule key. Please provide missing information.

Refer to the following:

Key	Description	Manufacturer	Model#	Color/Finish
T-3	Acoustic Ceiling Tile	Armstrong	Ultima 1902	Dimensions: 24x24x3/4 Grid: 9/16" Beveled Regular; Silhou- ette XL 1/4" Re- veal 9/16" Slotted Tee Suspension System

- 8. Can an excel spreadsheet for the pricing documents be provided to facilitate pricing entry?

No, the provided bid form must be used.

- 9. Please clarify under what bid item would all the salvage/demo items shown on page C-140 be paid under?

Salvage shall be by others. The contractor shall store items safely onsite. No bid item is provided.

- 10. Please clarify under what bid item the site backfills for raising the site elevation to upper level, shall be paid under?

The contractor shall utilize the appropriate bid item that comprises the most applicable component being constructed.

- 11. Please confirm that all the access soil generated from site, including 1 MG Detention Stormwater System construction, will be paid under bid item 31.06 and /or 31.07, as applicable?

That is correct. The site has been designed to be balanced from a cut-fill analysis to the maximum extent practical however it is expected to be a net-export project. On-site soils and materials (RAP) are expected to be re-used as backfill and reconsolidated to the maximum extent practicable.

12. Reference Technical Specifications Section 312000, paragraph 3.11, F. – “If the material removed from the excavation is suitable for backfill with the exception that it contains stones larger than permitted, the Contractor has the option to remove the oversized stones and use the material for backfill or to provide replacement backfill at no additional cost to the Owner.” At this point the quantity of excavated soil unsuitable for backfill cannot be determined and so, general contractor cannot take the risk of carrying the cost of replacing it with suitable borrow material. Therefore, it is suggested that a Borrow Materials Allowance bid-item be added for such circumstances.

The specifications provide performance criteria for the project and it is the Contractor’s responsibility to determine which of the two options offered in the referenced section above to base their bid on.

13. Please provide depth for all pile caps (PC-1 & PC-2) as they are not shown in provided information.

The typical pile cap details (plans and section) are shown on S-510.

14. H-piles
a. Specification 316216, Section 1.7 describes static pile tests and states the number of test piles will be “as indicated.” No piles on the drawings are indicated to be test piles, are there any static load tests?

Refer to question A.19.

- b. Specification 316216, Section 3.4 requires dynamic pile testing be performed “on 3% of piles or as required by New Jersey Building Code, whichever is greater.” NJ Building code is vague on the subject of pile testing, how many piles require dynamic testing?

Refer to Specification 316216

- c. Specification 316216, Section 2.5 requires piles to be coal-tar epoxy coated “to a depth of 60 inches below finished grade, to top of pile.” Most piles will terminate greater than 60” below finished grade, is painting required on those piles?

The entire pile shall be coated.

15. Sheeting
a. Multiple specifications reference variations of “Buy America” requirements for the contract (see below partial listing). Specification 315000, Section 3.5 requires the sheeting to be left in place permanently. The sheeting specified in the contract documents for Item 33.35 (Furnish and Install 1 MG Stormwater Detention System) is AZ50-700, a shape not manufactured domestically and with no domestic alternates. Does “Buy America” apply to the AZ50-700 sheeting?

- i. Specification 002113, Instruction to Bidders – Article 38
- ii. Specification 008003, USEPA USA Made Steel
- iii. Specification 008030, City of Hoboken General Conditions

Buy American applies to this project.

- b. Specification 315000, Section 3.5 requires that sheeting be left in place permanently. Does this requirement apply to the temporary SOE designed, furnished, and installed by the Contractor as a part of Item 33.36 (Furnish and Install Cistern)? If so, is this steel required to comply with the various “Buy America” clauses in the Contract?

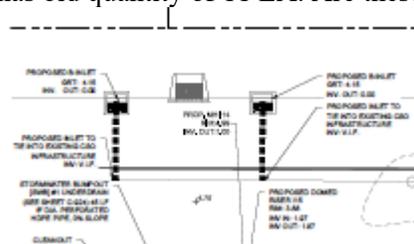
SOE is per means and methods of the contractor.

16. Drainage Utilities

- a. Drawing C-400 shows 88 LF of 36” HDPE installed from MH G2 to MH G1. Please specify which bid item the work will get paid under.

A Bid Item has been added.

- b. Drawing C-400 shows construction of two (2) proposed B-inlets along with unspecified size and length of pipe extensions at south end of Madison street. Please provide size and lengths of the pipe runs. Please also specify which bid item(s) this work will get paid under. Bid quantity 33.30 Furnish and Install Inlet has bid quantity of 11 EA. Are these two additional B-inlets?



Bid items have been updated.

- c. Bid item 33.22 Furnish and Install 16” HDPE has bid quantity of 288 LF. We can only locate 94 LF of 16” HDPE pipe from MH A3 to MH C3 on drawing C-400. Please provide location(s) of remaining 194 LF of 16” HDPE pipe.

Bid Items have been updated.

- d. Bid Item 33.23 Furnish and Install 18” HDEP has bid quantity of 392 LF. We can only locate 369 LF (105 LF, 10 LF, 82 LF, 135 LF, 37 LF) of 18” HDPE pipe on drawing C-400. Please provide location(s) of remaining 23 LF of 18” HDPE pipe.

Bid Items have been updated.

- e. Bid item 33.24 Furnish and Install 24” HDPE has bid quantity of 239 LF. We located 243 LF (MHA2 to MH F1) and 74 LF (MH A2 to MH D1) of 24” HDPE, total of 317 LF of total quantity on drawing C-400. Please clarify.

Bid Items have been updated.

- f. Bid Item 33.25 Furnish and Install 30” HDPE has bid quantity of 313 LF. We can only locate 150 LF (8 LF, 142 LF) of 30” HDPE pipe on drawing C-400. Please provide location(s) of remaining 163 LF of 30” HDPE pipe.

Bid Items have been updated.

- g. Bid Item 33.26 Furnish and Install Manhole has bid quantity of 38 EA. We can only locate 36 EA on drawing C-400. Please clarify.

Bid Items have been updated.

- h. Please provide locations of four (4) EA Combination Manhole/Catchbasin as per Bid item 33.33. We couldn't locate it on the drawings.

The four combination manholes are along Jefferson east of the turf field.

H. Kelco Landscaping and Construction

1. Can you provide an approximate count on Boulders Type 1, 2, and 3

We estimate the following:

- **Type 1: 165**
- **Type 2: 165**
- **Type 3: 32**

2. Where should the “Play Sand” be included in the Bid Items?
3. Unit Pavers to be Type 1 or Type 2? As defined in the spec

Assume 50% Type 1 and 50% Type 2; randomly mixed in all paver areas.

4. It is stated that the Synthetic Turf System and Leveling course is Not in this Contract. How thick is the leveling course that will be furnished by others?

Assume 2" leveling course; to be coordinated with Owner's turf system manufacturer during construction.

5. Is there any estimate of the quantity of salvaged base material that will be present on site?

Refer to Appendix E Geotechnical Report for thicknesses from the boring logs. The pavement cap was identified as 6” thick.

6. Our Subcontractors and Vendors have asked for more time pricing this project. Is there any possibility of an extension for the bid due date for one or more weeks?

Refer to Addenda 3.

END OF DOCUMENT

SECTION 004322

BID FORM

PROPOSAL OF: _____

Print or Type Name of Bidder

The undersigned declares that the only persons or parties interested in this Bid as principals are as stated; that the Bid is made without any collusion with other persons, firms, or corporations; that he/she has carefully examined all the Contract Documents as prepared by Engineering and Land Planning Associates, Inc. 140 West Main Street High Bridge New Jersey 08829 and dated April 2019 have been carefully examined; that the undersigned is fully informed in regard to all conditions pertaining to the Work and the place where it is to be done, and from them the undersigned makes this Bid. The prices set forth in this bid form shall cover all expenses incurred in performing the Work required under the Contract Documents, of which this Bid Form is a part.

If a Notice of Award accompanied by at least four (4) unsigned copies of the Agreement and all other applicable Procurement Documents is delivered to the undersigned within sixty (60) calendar days, after the actual date of the opening of the Bids, the undersigned will within ten (10) calendar days, excluding Saturdays, Sundays, and legal holidays, after the date of receipt of such notification, execute and return all copies of the Agreement and all other applicable Procurement Documents to OWNER. The premiums for all Bonds required shall be paid by CONTRACTOR and shall be included in the Contract Price. The undersigned further agrees that the Bid Security accompanying this Bid shall become the property of OWNER if the Bidder fails to execute the Agreement as stated above.

The undersigned hereby agrees that the Contract Time shall commence on the date indicated in the Notice to Proceed and to complete all work 1,095 days in accordance with the terms as stated in the Agreement. If awarded, the Alternates shall be awarded in the order they are presented. The City reserves the right to reject all alternates.

In accordance with the above understanding, the undersigned offers and agrees, if this Bid is accepted, to enter into an Agreement with Owner to perform the Work, furnish all materials and complete the Work in its entirety in accordance with the Contract Documents, for the prices listed as follows:

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
00		Temporary Operations				
00	.01	Mobilization	1	LS		
		_____ Dollars and _____ Cents			_____	_____
00	.02	Furnish, install, maintain and remove field offices	1	LS		
		_____ Dollars and _____ Cents			_____	_____
00	.03	Furnish, install, perform, and remove video equipment and photography.	1	LS		
		_____ Dollars and _____ Cents			_____	_____
00	.04	Furnish, install, and remove construction signage.	1	LS		
		_____ Dollars and _____ Cents			_____	_____
00	.05	Furnish, install, maintain, and remove rodent control.	1	LS		
					_____	_____
00	.06	Allowance for Utility Permit Fees	1	ALLOW	\$10,000	_Ten thousand dollars_

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
00	.07	Allowance for Police	1	ALLOW	\$160,000	_one hundred and sixty thousand dollars_
		_____ Dollars and _____ Cents				
00	.08	Allowance for Owner Directed Usage	1	ALLOW	\$200,000	_Two hundred thousand dollars_
		_____ Dollars and _____ Cents				
00		Temporary Operations	SUBTOTAL:			
01		SITE BUILDINGS				
01	.01	Furnish and Install Café and Community Center, Complete. Bid shall include but not be limited to concrete, masonry, metals, wood, plastic and composites, thermal moisture barrier, openings, finishes, specialties, furnishings, equipment, fire suppression, plumbing (exclusive of stormwater and grey water), HVAC, and electrical.	1	LS	_____	_____
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
01	02	Furnish and Install Café and Community Center Stormwater and grey water systems, complete.	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
01		SITE BUILDINGS	SUBTOTAL:			
02		EXISTING CONDITIONS				
02	.01	Remove and Dispose of Concrete curb	16,452	LF		
					_____	_____
		_____ Dollars and _____ Cents				
02	.02	Remove and Dispose of Concrete	16,000	SY		
					_____	_____
		_____ Dollars and _____ Cents				
02	.03	Remove and Reuse Asphalt pavement and berm	12,000	SY		
					_____	_____
		_____ Dollars and _____ Cents				
02	.04	Remove and Dispose of Asphalt pavement and berm	17,000	SY		
					_____	_____
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
02	.05	Sawcut Pavement	17,000	LF		
		_____ Dollars and _____ Cents			_____	_____
02	.06	Remove and Dispose of Chain link fence including posts, foundations and gates	2,499	LF		
		_____ Dollars and _____ Cents			_____	_____
02	.07	Remove and Dispose of rail track and ballast	50	LF		
		_____ Dollars and _____ Cents			_____	_____
02	.08	Remove and Dispose of Utility manhole	2	EA		
		_____ Dollars and _____ Cents			_____	_____
02	.09	Remove and Dispose of Inlet	18	EA		
		_____ Dollars and _____ Cents			_____	_____
02	.10	Plug and grout in place existing pipe at Inlet	15	EA		
		_____ Dollars and _____ Cents			_____	_____
02	.11	Remove and Dispose of Water Fountain	1	EA		
		_____ Dollars and _____ Cents			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
02	.12	Remove and Dispose of Water service to be cut and capped at main	844	LF		
					_____	_____
		_____ Dollars and _____ Cents				
02	.13	Remove and Dispose of Fire hydrant	1	EA		
					_____	_____
		_____ Dollars and _____ Cents				
02	.14	Remove and Dispose of 6" dia pipe.	40	LF		
					_____	_____
		_____ Dollars and _____ Cents				
02	.15	Remove and Dispose of 10" dia pipe.	16	LF		
					_____	_____
		_____ Dollars and _____ Cents				
02		EXISTING CONDITIONS	SUBTOTAL:			
03		CONCRETE				
03	.01	Furnish and Install H Piles, HP 10x57 at Building / Canopy, complete	51	EA		
					_____	_____
		_____ Dollars and _____ Cents				
03	.02	Furnish and Install H Piles, HP 10x57 at Fountain /	31	EA		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		Ice Rink, complete				
		_____ Dollars and _____ Cents				
03	.03	Furnish and Install H Piles, HP 10x57 at Palisades Wall, complete	37	EA		
		_____ Dollars and _____ Cents				
03	.04	Furnish and Install H Piles, HP 10x57 at Athletic field lighting, complete	28	EA		
		_____ Dollars and _____ Cents				
03	.05	Furnish and Install H Piles, HP 10x57 at Fountain Reservoir Storage tank, complete	2	EA		
		_____ Dollars and _____ Cents				
03	.06	Mobilization and testing of Pile Systems	1	LS		
		_____ Dollars and _____ Cents				
03	.07	Furnish and Install Pile Cap Type 1, complete	47	EA		
		_____ Dollars and _____ Cents				
03	.08	Furnish and Install Pile Cap Type 2, complete	18	EA		
		_____ Dollars and _____ Cents				
03	.09	Furnish and Install Pile Cap, Athletic Field Lighting,	7	EA		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		complete				
		_____ Dollars and _____ Cents				
03	.10	Furnish and Install Pier @ Athletic Field Lighting, complete	7	EA		
		_____ Dollars and _____ Cents				
03	.11	Furnish and Install Footings for light poles, 35' and under, complete	83	EA		
		_____ Dollars and _____ Cents				
03	.12	Furnish and Install Footings for Boardwalk and Footbridge, complete	1	LS		
		_____ Dollars and _____ Cents				
03	.15	Furnish and Install Structural Concrete slab on grade, 12" thick, at fountain/ice rink, complete	226	CY		
		_____ Dollars and _____ Cents				
03		CONCRETE	SUBTOTAL:			
31		EARTHWORK				
31	.01	Clear & grub and dispose of site including bushes, grass and wooded growth	8,685	SF		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
31	.02	Remove and Dispose of Tree incl. stumps - up to 6"	9	EA		
		_____ Dollars and _____ Cents				
31	.03	Remove and Dispose of Tree incl. stumps - 8" to 12"	6	EA		
		_____ Dollars and _____ Cents				
31	.04	Remove and Dispose of Tree incl. stumps - 14" to 24"	3	EA		
		_____ Dollars and _____ Cents				
		Excavation & Fill :-				
31	.05	Excavate, stockpile, test, and drain soil	16,100	CY		
		_____ Dollars and _____ Cents				
31	.06	Haul & dispose of contaminated soil (Hazardous)	1,600	CY		
		_____ Dollars and _____ Cents				
31	.07	Haul & dispose of contaminated soil (Non-Hazardous)	14,500	CY		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
31	.08	Grade and proof roll site	33,157	SY		
		_____ Dollars and _____ Cents			_____	_____
31	.09	Furnish and Install Impermeable soil cap per USEPA and NJDEP requirements	21,330	SY		
		_____ Dollars and _____ Cents				
31	.10	Install Salvaged Base course, 6" below upper plaza slab (24,850 SF), complete	425	CY		
		_____ Dollars and _____ Cents			_____	_____
31	.11	Furnish and Install separation geotextile across site, complete	162,900	SF		
		_____ Dollars and _____ Cents			_____	_____
31	.12	Furnish and Install impermeable geomembrane across site, complete	124,300	SF		
		_____ Dollars and _____ Cents			_____	_____
31	.12.1	Furnish and Install Geogrid across site, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
31	.13	Furnish and Install Dewatering, Complete. Including but not limited to:	1	LS		
		- Percolation pit with filter fabric for discharge back to groundwater				
		- Well points, or contractor identified system				
		- Silt removal				
		- GAC Treatment system				
		- VAC truck, as needed				
		_____ Dollars and _____ Cents				
31	.14	NHSA Dewatering Permit, Allowance	1	ALLOW		
					\$ 2,000,000.00	\$ 2,000,000.00
		_____ Dollars and _____ Cents				
		Erosion & Sediment Control :-				
31	.15	Furnish, Install, Maintain and Remove Temporary construction chain-link fence (8' high), wire mesh on 4"x4" posts	2,500	LF		
		_____ Dollars and _____ Cents				
31	.16	Furnish, Install, Maintain and Remove Proposed Stabilized Construction Entrance	997	SF		
		_____ Dollars and _____ Cents				
31	.17	Furnish, Install, Maintain and Remove Silt Fence	180	LF		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
31	.18	Furnish, Install, Maintain and Remove Filter sock	2,669	LF		
		_____ Dollars and _____ Cents				
31	.19	Furnish, Install, Maintain and Remove Inlet protection	14	EA		
		_____ Dollars and _____ Cents				
31	.20	Furnish, Install, Maintain and Remove Dust and Odor control measures, construction & safety signage	1	LS		
		_____ Dollars and _____ Cents				
31	.21	Furnish and Install Visual demarcation plastic orange construction fence for cap	167,800	SF		
		_____ Dollars and _____ Cents				
31	.22	Furnish, Install, Maintain and Remove Misc. soil erosion & sediment control	1	LS		
		_____ Dollars and _____ Cents				
31		EARTHWORK	SUBTOTAL:			

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
32		EXTERIOR IMPROVEMENTS				
		Surfacing :-				
32	.01	Furnish and Install Unit paving on concrete slab, 3" thick unit paver, complete, including:	22,876	SF		
		- Sand setting bed 1"				
		- Slab on Grade				
		- Compacted salvaged base 12"				
		- Prepare subgrade (compaction only), 12"				
		_____ Dollars and _____ Cents				
32	.02	Furnish and Install Unit Pavers on Mortar setting bed. 3" thick unit paver, complete, including:	1,566	SF		
		- Mortar setting bed				
		- topping slab				
		_____ Dollars and _____ Cents				
32	.03	Furnish and Install Exposed aggregate concrete (2" top, 6" reinforced CIP concrete, vehicular) , complete, including:	52,761	SF		
		- Compacted salvaged base 6"				
		- Prepare subgrade (compaction only), 12"				
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
32	.04	Furnish and Install Stone fines paving, 3" thick with binder, complete, including:	7,516	SF		
		- Stone fines rolled into top 1" compacted aggregate to form compact smooth surface				
		- Compacted salvaged base 6"				
		- Separation geotextile			_____	_____
		- Prepare subgrade (compaction only), 12"				
		_____ Dollars and _____ Cents				
32	.05	Furnish and Install Basketball court asphalt paving, complete, including:	4,576	SF		
		- Compacted salvaged base				
		- sport coating			_____	_____
		_____ Dollars and _____ Cents				
32	.06	Furnish and Install Athletic turf, complete (incl. drainage, stone base, geomembrane liner, base material up to the leveling course. Turf system including leveling course to be installed by Owner)	67,104	SF		
		_____ Dollars and _____ Cents			_____	_____
32	.07	Furnish and Install Play Area Surfacing/ Engineered Wood Fiber 8", complete, including:	3,770	SF		
		- Separation geotextile			_____	_____
		- Compacted drain rock base				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		- Prepare subgrade (compaction only), 12"				
		_____ Dollars and _____ Cents				
32	.08	Furnish and Install Play Area Surfacing/ Engineered Wood Fiber 8" with binder, complete, including:	2,454	SF		
		- Separation geotextile				
		- Compacted drain rock base			_____	_____
		- Prepare subgrade (compaction only), 12"				
		_____ Dollars and _____ Cents				
32	.09	Furnish and Install Play Area Surfacing/ Engineered Wood Fiber 12", complete, including:	5,425	SF		
		- Separation geotextile				
		- Compacted drain rock base			_____	_____
		- Prepare subgrade (compaction only), 12"				
		_____ Dollars and _____ Cents				
32	.10	Furnish and Install Specialty concrete finish at Play Stream, complete, including:	2,900	SF		
		- Compacted salvaged base 6"			_____	_____
		- Separation geotextile				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.11	Furnish and Install Playground surfacing wear mat 32"X32" mat @ slides, complete	4	EA		
		_____ Dollars and _____ Cents				
32	.12	Furnish and Install Playground surfacing wear mat 72"X72" mat @ basket swings, complete	2	EA		
		_____ Dollars and _____ Cents				
32	.13	Furnish and Install Playground surfacing wear mat 32"X62" mat @ swings, complete	4	EA		
		_____ Dollars and _____ Cents				
32	.14	Furnish and Install Playground sand, complete	500	SF		
		_____ Dollars and _____ Cents				
32	.15	Furnish and Install Stone cobble paving @ tree trench, complete	10,034	SF		
		_____ Dollars and _____ Cents				
32	.16	Furnish and Install Structural Soil at stone fines paving (3/L800) , complete	418	CY		
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_Dollars and _____ Cents				
32	.17	Furnish and Install Structural fill, complete	600	CY		
		_____ Dollars and _____ Cents			_____	_____
32	.18	Furnish and Install Stamped asphalt at right-of-way intersections, complete	445	SY		
		_____ Dollars and _____ Cents			_____	_____
		_____ Dollars and _____ Cents				
		Curbs, Gutters, Sidewalks, & Driveways: -				
32	.19	Furnish and Install Concrete curb, complete	2,576	LF		
		_____ Dollars and _____ Cents			_____	_____
32	.20	Furnish and Install Safety bollards, complete	13	EA		
		_____ Dollars and _____ Cents			_____	_____
32	.21	Furnish and Install Cast in place concrete stairs, multiple locations, complete	516	LF Nose		
		_____ Dollars and _____ Cents			_____	_____
32	.22	Furnish and Install Concrete landing, complete	529	SF		
		_____ Dollars and _____ Cents			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures		
		Pavement Markings & Signage :-						
32	.23	Furnish and Install Educational / Interpretative Signage, Allowance, including 6'-7" tall kiosk signs @ 3 EA 3' tall metal plate or rail system "Wayside" signs @ 9 EA Parking signs, stop and pedestrian signs@ 9 EA	1	ALLOW	\$ 50,000.00	\$ 50,000		
		_____ Dollars and _____ Cents						
32	.24	Furnish and Install R7-1 No Parking Sign, complete	8	EA			_____	_____
		_____ Dollars and _____ Cents						
32	.25	Furnish and Install R6-1 One way sign, complete	1	EA	_____	_____		
		_____ Dollars and _____ Cents						
32	.26	Install Entry sign, Signs to be Furnished by Owner, complete	2	EA	_____	_____		
		_____ Dollars and _____ Cents						
32	.27	Furnish and Install Crosswalk stripping, complete	4,108	SF	_____	_____		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.28	Furnish and Install ADA curb ramp with detectable warning surfaces, complete	12	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.29	Furnish and Install W11-2 Pedestrian Crossing Signs with Solar Panels, complete	16	EA		
					_____	_____
		_____ Dollars and _____ Cents				
		Railing & Fence :-				
32	.30	Furnish and Install Boardwalk Edge Rail, custom steel bar assembly with powder coat, surface mounted, complete	658	LF		
					_____	_____
		_____ Dollars and _____ Cents				
32	.31	Furnish and Install Bumpout Rail, custom steel bar assembly with powder coat, embedded in curb, complete	1,129	LF		
					_____	_____
		_____ Dollars and _____ Cents				
32	.32	Furnish and Install Handrail, complete	113	LF		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_Dollars and _____ Cents				
32	.33	Furnish and Install Athletic field 20' high posts and sports netting, complete and gates	1,100	LF		
		_____ Dollars and _____ Cents			_____	_____
32	.34	Furnish and Install Athletic field welded wire fence, 6' high, complete, including: - Lockable gates, 2@20 3@10' wide	1,100	LF		
		_____ Dollars and _____ Cents			_____	_____
32	.35	Furnish and Install Basketball Fencing, 8' high, complete, including: - Lockable gates - Concrete footings and crushed stone	301	LF		
		_____ Dollars and _____ Cents			_____	_____
32	.36	Furnish and Install Dugout fencing, 6' high, Complete	73	LF		
		_____ Dollars and _____ Cents			_____	_____
		Retaining Walls :-				
32	.37	Furnish and Install Terrace Grove Retaining wall and footing, complete	1	LS		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.38	Furnish and Install Concrete steps at Type 5 bench, complete	1	LS		
		_____ Dollars and _____ Cents				
32	.39	Furnish and Install Stair cheek wall, complete	1	LS		
		_____ Dollars and _____ Cents				
32	.40	Furnish and Install Basket Ball Basin Concrete seat wall, 18" high, complete	278	LF		
		_____ Dollars and _____ Cents				
32	.41	Furnish and Install Play Area Concrete seat wall, 18" high, complete	110	LF		
		_____ Dollars and _____ Cents				
32	.42	Furnish and Install Play Area Climbing wall / Pallisade wall, 10" – 24" thickness varies, complete	1	LS		
		_____ Dollars and _____ Cents				
		Pedestrian Bridges :-				
32	.43	Furnish and Install Boardwalk deck @ Madison St.,	3,404	SF		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		complete				
		_____ Dollars and _____ Cents				
32	.44	Furnish and Install Boardwalk deck @ 12th & Adams St., complete	530	SF		
		_____ Dollars and _____ Cents				
32	.45	Furnish and Install Boardwalk deck @ 13th & Adams St., complete	596	SF		
		_____ Dollars and _____ Cents				
Site Improvements & Amenities :-						
32	.46	Furnish and Install Terrace & Terrace Grove Park Center Table, complete	45	EA		
		_____ Dollars and _____ Cents				
32	.47	Furnish and Install Terrace & Terrace Grove Park center chair, complete	180	EA		
		_____ Dollars and _____ Cents				
32	.48	Furnish and Install Lowland Gardens Lounge chair, complete	8	EA		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.49	Furnish and Install Type 1, Custom backless bench (Size 6'L X 1'8"W), complete	2	EA		
		_____ Dollars and _____ Cents			_____	_____
32	.50	Furnish and Install Type 1, Custom backless bench (Size 12'L X 1'8"W), complete	3	EA		
		_____ Dollars and _____ Cents			_____	_____
32	.51	Furnish and Install Type 2, Custom backed bench (Size 12'L X 2'2"W), Complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____
32	.52	Furnish and Install Type 2, Custom backed bench (Size 18'L X 2'2"W), complete	2	EA		
		_____ Dollars and _____ Cents			_____	_____
32	.53	Furnish and Install Type 2, Custom backed bench (Size 20'L X 2'2"W), complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____
32	.54	Furnish and Install Type 2, Custom backed bench (Size 28'L X 2'2"W), complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
32	.55	Furnish and Install Type 2, Custom backed bench (Size 36'L X 2'2"W), complete	1	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.56	Furnish and Install Type 7, Custom backed bench (Size 72'L X 2'2"W), complete	1	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.57	Furnish and Install Type 2, Custom backed bench (Size 74'L X 2'2"W), complete	1	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.58	Furnish and install Type 3, Custom backless bench (Size 6'L X 3'W), complete	2	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.59	Furnish and Install Type 3, Custom backless bench (Size 12'L X 3'W), complete	4	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.60	Furnish and Install Type 3, Custom backless bench (Size 18'L X 3'W), complete	1	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.61	Furnish and Install Type 4, Custom curved wall mount bench (Size 73'L X 1'8"W), complete	1	EA		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.62	Furnish and Install Type 4, Custom straight wall mount bench (Size 12'L X 1'8"W), complete	2	EA		
		_____ Dollars and _____ Cents				
32	.63	Furnish and Install Type 4, Custom straight wall mount bench (Size 24'L X 1'8"W), complete	1	EA		
		_____ Dollars and _____ Cents				
32	.64	Furnish and Install Type 5, Custom curved backless bench (Size 10'5"L X 20"W), complete	1	EA		
		_____ Dollars and _____ Cents				
32	.65	Furnish and Install Type 6, Custom swing (Size 6'L), complete	1	EA		
		_____ Dollars and _____ Cents				
32	.66	Install Bleachers @ Multiuse athletic field (unit provided by OWNER), complete	6	EA		
		_____ Dollars and _____ Cents				
32	.67	Furnish and Install Play Valley Structures and Elements, complete, including:	1	LS		
		- Footing				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		- Stainless Steel Embankment Slide (1)				
		- Jumping Disc (9)				
		- Cradle Nest (2) (Include attic stock for (1) cradle swing)				
		- High Twin Swing (2)				
		- Substitute (1) belt swing for (1) ADA Seat				
		- Include attic stock for (1) belt swing				
		- Climbing Structure (1)				
		- Rotating Beam (1)				
		- Balancing Blocks (1)				
		- Custom Dens (3)				
		- Transfer Platform w/ (2) Holding Grip				
		- Net Climber (1)				
		- Net Tunnel (1)				
		- Stainless Steel Slides (2)				
		- Small Scale Rope Color: Natural				
		- Large Scale Rope Type: Plastic				
		- Custom Treehouses (3)				
		- Transfer Platform w/ (2) Holding Grip				
		- Net Climber (1)				
		- Net Tunnel Climbers (2)				
		- Net Tunnel (1)				
		- Stainless Steel Slides (2)				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		- Stainless Steel Connector Tunnel (1)				
		- Small Scale Rope Color: Natural				
		- Large Scale Rope Type: Plastic				
		- Playground Pump (1)				
		- Mushroom Column Spring (1)				
		- Water Push Button (2)				
		- Simple Spraying Heads (6)				
		- Ball Valve (3)				
		- Holding Grip (2)				
		_____ Dollars and _____ Cents				
32	.68	Furnish and Install Rock Candy Holds, complete, including:	1	LS		
		- Roof Jugs (48)				
		- Jugs (38)				
		- Mini Jugs (80)				
		- Edges (35)				
		- Crimps (42)				
		- Slopers (26)				
		- Pinches (45)				
		- Pockets (6)				
		- Foot Holds, Small (37), Medium (59), Large (52)				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.69	Furnish and Install Boulders & stepping stones, complete	362	EA		
		_____ Dollars and _____ Cents				
32	.70	Furnish and Install Fitness equipment Magnetic Bells (FAZ 102), complete	1	EA		
		_____ Dollars and _____ Cents				
32	.71	Furnish and Install Fitness equipment Pullup Bars (FAZ 103), complete	1	EA		
		_____ Dollars and _____ Cents				
32	.72	Furnish and Install Fitness equipment Core Twist (FAZ 105), complete	1	EA		
		_____ Dollars and _____ Cents				
32	.73	Install Trash litter and recycling receptacle, unit supplied by OWNER, complete	12	EA		
		_____ Dollars and _____ Cents				
32	.74	Install Bike rack, unit supplied by OWNER, complete	59	EA		
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
32	.75	Furnish and Install Dugouts / Backstops, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____
32	.76	Furnish and Install Seasonal Ice Rink equipment and connections, complete.	1	LS		
		_____ Dollars and _____ Cents			_____	_____
32	.77	Furnish and Install Water Feature spray jets and flood feature assemblies, trench drains, etc, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____
32	.78	Install Moveable athletic field benches, unit supplied by OWNER, complete	4	EA		
		_____ Dollars and _____ Cents			_____	_____
32	.79	Install Multi Sport Score Board including support, footings, etc, unit supplied by OWNER complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____
		Landscaping and Planting :-				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
32	.80	Furnish and Install Lawn, including top soil mix, filter layer, Clean 57 stone, underdrain, and geotextile fabric, complete	22,635	SF		
					_____	_____
		_____ Dollars and _____ Cents				
32	.81	Furnish and Install planting material for Trees/shrub/ groundcover areas, including top soil mix, planting soil mix, filter layer, complete	46,464	SF		
					_____	_____
		_____ Dollars and _____ Cents				
32	.82	Furnish and install planting material for Trees in structural soil, including top soil, sand soil, filter layer, and scarify, complete	9,653	SF		
					_____	_____
		_____ Dollars and _____ Cents				
32	.83	Furnish and Install planting material for Lowland Gardens (Stormwater Gardens), including top soil, planting soil and liner, complete	28,497	SF		
					_____	_____
		_____ Dollars and _____ Cents				
32	.84	Furnish and Install Stormwater Bumpouts materials, river rock rip-rap, etc, complete	3,515	SF		
					_____	_____
		_____ Dollars and _____ Cents				
32	.85	Furnish and Install Plugs, 2"w x 4"h, species, spacing, and installation per landscape dwgs	65,855	EA		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.86	Furnish and Install - Ground Covers, 1 gallon cont per landscape dwgs	4,730	EA		
		_____ Dollars and _____ Cents				
32	.87	Furnish and Install Bulbs per landscape dwgs	18,500	EA		
		_____ Dollars and _____ Cents				
32	.88	Furnish and Install Vines, species, spacing, and installation per landscape dwgs	20	EA		
		_____ Dollars and _____ Cents				
32	.89	Furnish and Install Tree, 3"-3.5" cal, B&B, species, spacing, and installation per landscape dwgs	38	EA		
		_____ Dollars and _____ Cents				
32	.90	Furnish and Install Tree, 3.5"-4" cal, B&B, species, spacing, and installation per landscape dwgs	51	EA		
		_____ Dollars and _____ Cents				
32	.91	Furnish and Install Tree, 4"-4.5" cal, B&B, species, spacing, and installation per landscape dwgs	18	EA		
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
32	.92	Furnish and Install Tree, 4.5"-5" cal, B&B, species, spacing, and installation per landscape dwgs	5	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.93	Furnish and Install Tree, 8'-10' HT, B&B, species, spacing, and installation per landscape dwgs	99	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.94	Furnish and Install Tree, 10'-12' HT, B&B, species, spacing, and installation per landscape dwgs	25	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.95	Furnish and Install Tree, 5'-6' HT, B&B, species, spacing, and installation per landscape dwgs	45	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.96	Furnish and Install Shrubs 12" ht, species, spacing, and installation per landscape dwgs	31	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.97	Furnish and Install Shrubs 24" ht, species, spacing, and installation per landscape dwgs	179	EA		
					_____	_____
		_____ Dollars and _____ Cents				
32	.98	Furnish and Install Shrubs 24"-30" ht, species, spacing, and installation per landscape dwgs	267	EA		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
32	.99	Furnish and Install Shrubs 30"-36" ht, species, spacing, and installation per landscape dwgs	61	EA		
		_____ Dollars and _____ Cents				
32	.100	Furnish and Install Shrubs 36" ht, species, spacing, and installation per landscape dwgs	284	EA		
		_____ Dollars and _____ Cents				
32	.101	Furnish and Install Shrubs 48" ht, species, spacing, and installation per landscape dwgs	11	EA		
		_____ Dollars and _____ Cents				
32	.102	Furnish and Install lawn - Seed mix	22,635	SF		
		_____ Dollars and _____ Cents				
32	.103	Furnish and Install Metal landscape edging	2,185	LF		
		_____ Dollars and _____ Cents				
32	.104	Furnish and Install Planting Guard™ metal ground anchors with Auger, 4' O.C. and coated cable with clips	5,000	LF		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
		Planting Irrigation :-				
32	.105	Furnish and Install Irrigation system at lawn & planting bed area, Complete	107,071	SF		
		_____ Dollars and _____ Cents				
32		EXTERIOR IMPROVEMENTS	Subtotal:			
33		UTILITIES				
		Site Utility (Plumbing) :-				
33	.01	Furnish and Install 4" UG Ductile Domestic water pipe, fittings, complete	255	LF		
		_____ Dollars and _____ Cents				
33	.02	Furnish and Install 2" UG Type K Cu Domestic water pipe, fittings, complete	187	LF		
		_____ Dollars and _____ Cents				
33	.03	Furnish and Install 1 1/2" UG Type K Cu Domestic water pipe, fittings, complete	184	LF		
		_____ Dollars and _____ Cents				
33	.04	Furnish and Install 1" UG Type K Cu Domestic water pipe, fittings, complete	427	LF		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
33	.05	Furnish and Install Domestic water pipe connection to street main, complete	1	LS		
		_____ Dollars and _____ Cents				
33	.06	Furnish and Install 4" UG SWCI H&S SAN/Waste/Vent Pipe, fittings, complete	203	LF		
		_____ Dollars and _____ Cents				
33	.07	Furnish and Install Sanitary pipe connection to street main, complete	1	LS		
		_____ Dollars and _____ Cents				
33	.08	Furnish and Install 3" UG Type K Cu Grey water pipe, fittings, complete	132	LF		
		_____ Dollars and _____ Cents				
33	.09	Furnish and Install 3" Sch. 40 Black Steel UG Gas Pipe, fittings, complete	274	LF		
		_____ Dollars and _____ Cents				
33	.10	Furnish and Install Gas pipe connection to street main, complete	1	LS		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
33	.11	Furnish and Install 6" UG SWCI H&S Storm Pipe, fittings, complete	22	LF		
		_____ Dollars and _____ Cents			_____	_____
33	.12	Furnish and Install Storm Sewer pipe connection to Grey water tank, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____
33	.13	Furnish and Install Drinking Fountain, complete	4	EA		
		_____ Dollars and _____ Cents			_____	_____
		Site Utility (Civil) :-				
33	.14	Furnish and Install water line, complete	238	LF		
		_____ Dollars and _____ Cents			_____	_____
33	.15	Furnish and Install Water valve, complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.16	Furnish and Install connection to water main, complete	8	EA		
		_____ Dollars and _____ Cents			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
		Storm Utility Drainage Piping and Structures				
33	.17	Furnish and Install 2" high low-profile underdrain, complete	2,169	LF		
		_____ Dollars and _____ Cents				
33	.18	Furnish and Install 6" HDPE, complete	1,222	LF		
		_____ Dollars and _____ Cents				
33	.19	Furnish and Install 6" HDPE (47) under Athletic field, complete	15,040	LF		
		_____ Dollars and _____ Cents				
33	.20	Furnish and Install 10" HDPE, complete	40	LF		
		_____ Dollars and _____ Cents				
33	.21	Furnish and Install 12" HDPE, complete	2,481	LF		
		_____ Dollars and _____ Cents				
33	.22	Furnish and Install 16" HDPE, complete	94	LF		
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
33	.23	Furnish and Install 18" HDPE, complete	369	LF		
		_____			_____	_____
		Dollars and _____ Cents				
33	.24	Furnish and Install 24" HDPE, complete	317	LF		
		_____			_____	_____
		Dollars and _____ Cents				
33	.25	Furnish and Install 30" HDPE, complete	150	LF		
		_____			_____	_____
		Dollars and _____ Cents				
33	.25.1	Furnish and Install 36" HDPE, complete	88	LF		
		_____			_____	_____
		Dollars and _____ Cents				
33	.26	Furnish and Install Manhole, complete	36	EA		
		_____			_____	_____
		Dollars and _____ Cents				
33	.27	Furnish and Install Outlet control structure, pre-cast concrete, complete	3	EA		
		_____			_____	_____
		Dollars and _____ Cents				
33	.28	Furnish and Install dome riser, yard drains, complete	28	EA		
		_____			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_Dollars and _____ Cents				
33	.29	Furnish and Install Cleanout, complete	49	EA		
		_____ Dollars and _____ Cents			_____	_____
33	29.1	Furnish and Install Observation well, complete	6	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.30	Furnish and Install Inlet, complete	14	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.31	Furnish and Install 8" ACO trench drain, complete	88	LF		
		_____ Dollars and _____ Cents			_____	_____
33	.32	Furnish and Install 18" trench drain, complete	42	LF		
		_____ Dollars and _____ Cents			_____	_____
33	.33	Furnish and Install Combination Man-hole/catchbasin, complete	4	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.34	Furnish and Install Outlet pipe & rip rap protection, complete	510	SF		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
33	.35	Furnish and Install 1 MG Stormwater Detention System, complete, including but not limited to:	1	LS		
		-modular tank system				
		- Piles, HP 16X162 and caps				
		- Mat slab, 36" deep				
		- Flowable Fill				
		- Geotextile filter fabric				
		- Sheeting/Shoring				
		_____ Dollars and _____ Cents				
33	.36	Furnish and Install Cistern, complete	1	LS		
		-modular tank system				
		- Piles, HP 16X162 and caps				
		- Compacted aggregate base, assume 12"				
		- Geotextile filter fabric				
		- Sheeting/Shoring				
		_____ Dollars and _____ Cents				
33	.37	Furnish and Install Fountain Reservoir Storage Tank (8'x14'x10') complete	1	LS		
		_____ Dollars and _____ Cents				
33	.38	Furnish and Install Manufactured Treatment Device, complete	2	EA		

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
33	.39	Furnish and Install Interim Pumping System, including discharge piping, complete	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
33	.40	Furnish and Install 8' Dia. Precast concrete manhole, complete	1	EA		
		_____ Dollars and _____ Cents				
		Site Electric :-				
33	.41	Furnish and Install Power and Control to Multi-use field, complete	1	EA		
					_____	_____
		_____ Dollars and _____ Cents				
33	.42	Furnish and Install Power and Control to Basketball Court, complete	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
33	.43	Furnish and Install Irrigation Pump, feed and controls, complete	1	LS		
					_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
33	.44	Furnish and Install Grey Water Pump, feed and controls, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____
33	.45	Furnish and Install Telecom Infrastructure, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____
33	.46	Furnish and Install Power and Control to buildings, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____
33	.47	Furnish and Install Power and controls to interium pumping system, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____
		_____ Dollars and _____ Cents				
		Site Lighting				
33	.48	Furnish and Install Site Lighting - Type A01 series, complete	3	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.49	Furnish and Install Site Lighting - Type A02 series, complete	2	EA		
		_____ Dollars and _____ Cents			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
33	.50	Furnish and Install Site Lighting - Type A03 series, complete	5	EA		
		_____ Dollars and _____ Cents				
33	.51	Furnish and Install Site Lighting - Type A04, complete	4	EA		
		_____ Dollars and _____ Cents				
33	.52	Furnish and Install Site Lighting - Type A05 series, complete	3	EA		
		_____ Dollars and _____ Cents				
33	.53	Furnish and Install Site Lighting - Type A06 series, complete	3	EA		
		_____ Dollars and _____ Cents				
33	.54	Furnish and Install Site Lighting - Type A07 series, complete	2	EA		
		_____ Dollars and _____ Cents				
33	.55	Furnish and Install Site Lighting - Type A08, complete	26	EA		
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_____ Dollars and _____ Cents				
33	.56	Furnish and Install Site Lighting - Type A09, complete	35	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.57	Furnish and Install Site Lighting - Type A10, complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.58	Furnish and Install Site Lighting - Type A11, complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.59	Furnish and Install Site Lighting - Type A12, complete	1	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.60	Furnish and Install Site Lighting - Type A13 series, complete	2	EA		
		_____ Dollars and _____ Cents			_____	_____
33	.61	Furnish and Install Site Lighting - Type ELT05, complete	1	LS		
		_____ Dollars and _____ Cents			_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
33	.62	Furnish Site Lighting Power & Control Conduit & Wiring, complete	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
33	.63	Furnish and Install - Soccer and softball field Lighting, complete	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
33	.64	Furnish and Install - Basketball Court Lighting, complete	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
33		UTILITIES	Subtotal:			

Total Bid Price in Figures \$

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		ALTERNATES				
A	.01	Furnish pile supported terrace, per Sheet S-110A, complete, including:	1	LS	_____	_____

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		- slab structural slab,				
		- pile caps,				
		- HP 10x57 piles				
		_____ Dollars and _____ Cents				
A .02		Furnish and Install Right-of-Way striping per plan including but not limited to traffic, bike, parking, stop bars, etc.	1	LS	_____	_____
		_____ Dollars and _____ Cents				
A .03		Furnish and Install Right-of Way 2-inch milling and paving, curb to curb, complete.	7,125	SY	_____	_____
		_____ Dollars and _____ Cents				
A .03.1		Furnish and Install Right-of Way 4" base repair milling and paving, curb to curb, complete.	2,300	SY	_____	_____
		_____ Dollars and _____ Cents				
A .04		Furnish and Install Additional Traffic Signage, complete	30	EA	_____	_____
		_____ Dollars and _____ Cents				

Item No.	Sub Item No.	Brief Description of Items with Unit Bid Price in Words	Estimated Quantity	Unit of Measure	Unit Bid Price in Figures	Amount in Figures
		_Dollars and _____ Cents				
A	.05	Furnish and Install Fencing in Playground area per landscape drawings, complete	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
A	.06	Provide Site Maintenance (2-years), complete	1	LS		
					_____	_____
		_____ Dollars and _____ Cents				
ALTERNATES			Subtotal:			

The undersigned also agrees that extra work, if any, will be performed in accordance with Article 10 of the Conditions of the Contract and will be paid for in accordance with Article 11 of the Conditions of the Contract

Amounts shall be shown in both words and figures, where indicated. In case of discrepancy, the amount shown in words will govern.

The above prices shall include, but is not limited to; all labor, materials, bailing, shoring, removal, overhead, profit, insurance and incidentals required to complete the Work. Total Bid Price for Northwest Resiliency Park in Words

Total Bid Price for Northwest Resiliency Park in Figures \$ _____

BIDDER PRINCIPALS:

The first and last names in full and addresses of all persons and parties interested in the foregoing Bid as principals are as follows:

(Give first and last names in full. In the case of a corporation, see Article 8.3 of the Instructions to Bidders, in the case of a limited liability company [LLC], see Article 8.5 of the Instructions to Bidders, in the case of a partnership, see Article 8.4 of the Instructions to Bidders.)

The all documents listed in Section 002002 – Bid Document Submission Checklist are attached to and made a condition of this Bid.

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work. The undersigned hereby certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity. **(Bidder shall sign this Bid Form in accordance with the Instructions to Bidders, Sections 8.3, 8.4 or 8.5 as applicable. Corporate Bidders must provide a certified copy of a Corporate Resolution authorizing the execution and submission of the Bid)**

The undersigned is (circle one):
(an Individual)
(a Partnership)
(a Corporation)

Bidder's Name: _____
(Please print or type your name)

Bidder's Address: _____
(Please print or type address)

Signature: _____

Title: _____

Date: _____, 20__

Social Security Number
or Federal Identification
Number:

Corporate Seal:
(if corporation)

Notice of acceptance should be mailed, telegraphed, or delivered to the undersigned Bidder at the following address:

(Name)

(Title)

(Address)

(City, State and Zip Code)

END OF DOCUMENT 004322

Article 10 of “The Agreement” is amended as directed here:

Delete the following text in 10.1(4): “acts of the Owner constituting active interference with the Contractor’s performance of the Work and only to the extent such acts continue after the Contractor furnishes the Owner with written notice of such interference” **and replace with** “the Owner’s negligence, bad faith, active interference, tortious conduct, or other reasons un contemplated by the parties that delay the Contractor’s performance”.

**City of Hoboken
Northwest Resiliency Park**

BIDDER'S QUALIFICATION FORM

(This form is part of the Bid Proposal)

On the form provided, the Bidding Contractor shall demonstrate the following:

- 1) Bidding Contractor shall identify three (3) prior projects of \$40,000,000 or greater performed over the last seven (7) years performed in close proximity to existing residential properties and/or established businesses with environmental contamination.
- 2) The Bidding Contractors earthwork/heavy civil contractor shall identify three (3) prior infrastructure projects of \$10,000,000 or greater performed over the last seven (7) years, below
- 3) The Bidding Contractors park contractor shall identify three (3) prior park projects of \$5,000,000 or greater performed over the last seven (7) years, below
- 4) The Bidding Contractors building contractor shall identify three (3) prior building projects of \$2,000,000 or greater performed over the last seven (7) years, below
- 5) Ability to supply multiple construction crews to successfully complete a phased approach to infrastructure installation.

Bidding Contractor

1. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

2. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

3. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

Earthwork/Heavy Civil Contractor

1. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

2. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

3. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

Park Contractor

1. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

2. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

3. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

Building Contractor

1. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

2. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

3. Name of Job: _____

Major Construction Items: _____

Engineer Name, Address, & Telephone Number: _____

Supplement to Article 9

Notwithstanding any of the above, the following apply. To the extent of a conflict between Articles 9.5-9.24 and any other provision of the Agreement, Articles 9.5-9.24 control.

9.5 If the contractor encounters differing site conditions during the progress of the work of the contract, the contractor shall promptly notify the contracting unit in writing of the specific differing site conditions encountered before the site is further disturbed and before any additional work is performed in the impacted area.

9.6 Upon receipt of a differing site conditions notice in accordance with paragraph (1) of this subsection, or upon the contracting unit otherwise learning of differing site conditions, the contracting unit shall promptly undertake an investigation to determine whether differing site conditions are present.

9.7 If the contracting unit determines different site conditions that may result in additional costs or delays exist, the contracting unit shall provide prompt written notice to the contractor containing directions on how to proceed.

9.8

(a) The contracting unit shall make a fair and equitable adjustment to the contract price and contract completion date for increased costs and delays resulting from the agreed upon differing site conditions encountered by the contractor.

(b) If both parties agree that the contracting unit's investigation and directions decrease the contractor's costs or time of performance, the contracting unit shall be entitled to a fair and equitable downward adjustment of the contract price or time of performance.

(c) If the contracting unit determines that there are no differing site conditions present that would result in additional costs or delays, the contracting unit shall so advise the contractor, in writing, and the contractor shall resume performance of the contract, and shall be entitled to pursue a differing site conditions claim against the contracting unit for additional compensation or time attributable to the alleged differing site conditions.

9.9 Execution of the contract by the contractor shall constitute a representation that the contractor has visited the site and has become generally familiar with the local conditions under which the work is to be performed.

9.10 As used in this subsection, "differing site conditions" mean physical conditions at the contract work site that are subsurface or otherwise concealed and which differ materially from those indicated in the contract documents or are of such an unusual nature that the conditions differ materially from those ordinarily encountered and generally recognized as inherent in the work of the character provided for in the contract.

Suspension of Work.

9.11 The contracting unit shall provide written notice to the contractor in advance of any suspension of work lasting more than 10 calendar days of the performance of all or any portion of the work of the contract.

9.12 If the performance of all or any portion of the work of the contract is suspended by the contracting unit for more than 10 calendar days due to no fault of the contractor or as a consequence of an occurrence beyond the contracting unit's control, the contractor shall be entitled to compensation for any resultant delay to the project completion or additional contractor expenses, and to an extension of time, provided that, to the extent feasible, the contractor, within 10 calendar days following the conclusion of the suspension, notifies the contracting unit, in writing, of the nature and extent of the suspension of work. The notice shall

include available supporting information, which information may thereafter be supplemented by the contractor as needed and as may be reasonably requested by the contracting unit. Whenever a work suspension exceeds 60 days, upon seven days' written notice, either party shall have the option to terminate the contract for cause and to be fairly and equitably compensated therefor.

9.13 Upon receipt of the contractor's suspension of work notice in accordance with paragraph (2) of this subsection, the contracting unit shall promptly evaluate the contractor's notice and promptly advise the contractor of its determination on how to proceed in writing.

9.14

(a) If the contracting unit determines that the contractor is entitled to additional compensation or time, the contracting unit shall make a fair and equitable upward adjustment to the contract price and contract completion date.

(b) If the contracting unit determines that the contractor is not entitled to additional compensation or time, the contractor shall proceed with the performance of the contract work, and shall be entitled to pursue a suspension of work claim against the contracting unit for additional compensation or time attributable to the suspension.

9.15 Failure of the contractor to provide timely notice of a suspension of work shall result in a waiver of a claim if the contracting unit can prove by clear and convincing evidence that the lack of notice or delayed notice by the contractor actually prejudiced the contracting unit's ability to adequately investigate and defend against the claim.

Change in Character of Work.

9.16 If the contractor believes that a change directive by the contracting unit results in a material change to the contract work, the contractor shall so notify the contracting unit in writing. The contractor shall continue to perform all work on the project that is not the subject of the notice.

9.17 Upon receipt of the contractor's change in character notice in accordance with paragraph (1) of this subsection, the contracting unit shall promptly evaluate the contractor's notice and promptly advise the contractor of its determination on how to proceed in writing.

9.18

(a) If the contracting unit determines that a change to the contractor's work caused or directed by the contracting unit materially changes the character of any aspect of the contract work, the contracting unit shall make a fair and equitable upward adjustment to the contract price and contract completion date. The basis for any such price adjustment shall be the difference between the cost of performance of the work as planned at the time of contracting and the actual cost of such work as a result of its change in character, or as otherwise mutually agreed upon by the contractor and the contracting unit prior to the contractor performing the subject work.

(b) If the contracting unit determines that the contractor is not entitled to additional compensation or time, the contractor shall continue the performance of all contract work, and shall be entitled to pursue a claim against the contracting unit for additional compensation or time attributable to the alleged material change.

9.19 As used in this subsection, "material change" means a character change which increases or decreases the contractor's cost of performing the work, increases or decreases the amount of time by which the contractor completes the work in relation to the contractually required completion date, or both.

Change in Quantity.

9.20 The contracting unit may increase or decrease the quantity of work to be performed by the contractor.

9.21

(a) If the quantity of a pay item is cumulatively increased or decreased by 20 percent or less from the bid proposal quantity, the quantity change shall be considered a minor change in quantity.

(b) If the quantity of a pay item is increased or decreased by more than 20 percent from the bid proposal quantity, the quantity change shall be considered a major change in quantity.

9.22 For any minor change in quantity, the contracting unit shall make payment for the quantity of the pay item performed at the bid price for the pay item.

9.23

(a) For a major increase in quantity, the contracting unit or contractor may request to renegotiate the price for the quantity in excess of 120 percent of the bid proposal quantity. If a mutual agreement cannot be reached on a negotiated price for a major quantity increase, the contracting unit shall pay the actual costs plus an additional 10 percent for overhead and an additional 10 percent for profit, unless otherwise specified in the original bid.

(b) For a major decrease in quantity, the contracting unit or contractor may request to renegotiate the price for the quantity of work performed. If a mutual agreement cannot be reached on a negotiated price for a major quantity decrease, the contracting unit shall pay the actual costs plus an additional 10 percent for overhead and an additional 10 percent for profit, unless otherwise specified in the original bid; provided, however, that the contracting unit shall not make a payment in an amount that exceeds 80 percent of the value of the bid price multiplied by the bid proposal quantity.

9.24 As used in this subsection, the term “bid proposal quantity” means the quantity indicated in the bid proposal less the quantities designated in the project plans as “if and where directed.”

