

1. Section 00010A, Line Items and Pricing Schedule -- There is no bid item for mobilization and demobilization. Unbalanced bids are not allowed. How will the contractor be reimbursed for mobilization expenses?

**Answer: Mobilization and Demobilization Line Item Added -- See Amendment 4**

2. Section 00100A, Part 1, Proposal Submission Requirements -- Articles A-2.4.1 instructs offerors to submit a separate Past Performance Information Collection Sheet for each project as a part of the Past Performance Information section of the proposal. Past performance, per the specifications, is Package 2 of the Proposal. Instructions at the top of the form furnished by the Government (Past Performance Information Collection Sheet) include "Submit this sheet with Package 3 of your proposal". Please clarify.

**Answer: See Amendment 2, Page 00100A-6**

3. Section 00100B, Evaluation Factors for Award, page 00100B-3 states that the Technical Merit portion of the proposal will be judged to be either "Acceptable: or "Unacceptable" However in section 00100, Instructions to Offerors, page 00100-5, paragraph (11) I refers to an evaluated technical rating. Will technical proposals be graded pass or fail or will these be given a rating? **Answer: See Page 00100B-4, Paragraph B-5, Proposals will be evaluated for acceptability.**

4. Section 01355, Environmental Protection, page 01355-15, paragraph 3.1.5.1 c., Vessel/Boat operation -- "All vessels associated with the project shall be operated at "no wake/idle" speeds at all times while in waters where the draft of the vessel provides less than a four-foot clearance from the bottom..." Does this apply to tugs and barges transporting sand from Peanut Island to the Lake Worth Lagoon area while in the navigation channel (AIWW)? If so, this will add a significant amount of cost to the project. Please clarify. **Answer: See Amendment 4, Section 01355 paragraph 3.1.5.1 c.**

5. Section 01451, Contractor Quality Control, Page 01451-6r paragraph 3.2.2 a. states that the CQC System Manager may also serve as the Project Manager or Superintendent. Page 01451-8, paragraph 3.4.2 -states that the CQC System Manager shall be assigned-no. other duties. Please clarify. **Answer: See Amendment 4 Section 01451, paragraph 3.22 a**

6. Section 01451, Contractor' - Control, page- 81-451, paragraph 3.4.3, Safety Officer. May the Safety Officer have other duties? **Answer: See Amendment 4 Section 01451, Paragraph 3.4.3**

7. Section 02220; Demolition, page 02220-4, paragraph 3:4.2- b: reads "Rock and concrete materials encountered during construction on Peanut Island shall be removed. and may be placed within the Fill area (italics added) in a manner that does not prohibit achievement of specified lines and grades in the Fill area". Is it the intent of the specs that rock and concrete from Peanut Island be hauled to Lake Worth Lagoon for disposal, or may this material be disposed of with the diked disposal area on Peanut Island?

**Answer: See Amendment 4, Section 02220, 3.4.2.b.**

Paragraph 3.11.2, page 02330-16, Section 02330, Levee Construction, states that unsatisfactory materials "shall be permanently disposed of by placing in abandoned portions of the borrow areas". Please clarify. **Answer: See Amendment 2, Section 02330, 3.11.2.**

8. Section 02230, Clearing and Grubbing, page 02230-5, paragraph 3.4.2.2, Lake Worth Wetland Restoration [Fill] Site. States, "All cleared vegetation must be removed offsite and disposed of at an.-appropriate upland site (*italics-added*). Is the upland- site- Peanut Island? **Answer: See Amendment 4, Section 02230, 3.4.2.2.**

9. Drawing 1/3 - There is an-extensive amount of constructions work required on the west side of the island, including hauling material from the FIND disposal area to a loading area where the material will be put onto barges for transport to Lake Worth Lagoon. Is it the intent of the contract that during construction the public will be excluded from the west side of the island? What areas of Peanut Island must remain open to the public during construction? **Answer: See Amendment 4, Drawing 1/3.**

10. Drawing 1/5, Note 4 - Please confirm that all overhead power lines and power poles from PP 1 to PP 10 will be removed prior to construction under this contract. **Answer: See Amendment 2 Drawing No. 1/5**

11. Drawing 1/5, Note 6 – Is it the contractor’s responsibility to physically relocate the existing Bell South telephone cable located between PP2 and PP6? If so, what drawings and specifications apply to the relocation between PP2 and PP6? If so, what drawings and specifications apply to the relocation? What pay items applies? **Answer: See Amendment 2, Drawing 1/5, Note 5, See Amendment 4: Section 01270, Subsection 1.2.1 and Line Item 0003AA.**

12. Drawings 2/11, Section E – One groin is referred to as “West Pile Crib Groin”. No piles are shown. Please clarify. **Answer: See Amendment 4, Drawing 2/11.**

13. Drawings 2/33 and 2/34 – Is the 1,168 lineal feet of new 6” D.I.P water line to be laid under the new road? If not, where in relation to the road? Is there a detail showing this water line in cross-section? On profile, with grades? **Answer: See Amendment 4, Drawing 2/33 Note 4.**

14. Drawings 2/41, 2/42, and 2/43 - What is the length of each of the prefabricated timber bridges (Bridges 1, 2, and 3)?. For each bridge, what is the distance from the abutment pile bent to the bridge support pile bent? **Answer: See Amendment 4, Drawing 2/41, 2/42 and 2/43.**

15. Drawing 3/3 - Are all limerock perimeter roads and access ramps, which are to be constructed at the diked disposal area to be built on top of the Geoweb material? If not, at exactly which locations is the Geoweb to be installed? **Answer: See Drawing No. 3/5 and amendment 0002, Drawing No. 3/6.**

16. Bid item 0004AB, Type B Armor Stone (Limestone), Bid Item.0004AC, Type C Armor Stone (Limestone), and Bid Item 0005AA, Type B Armor Stone (Limestone). All three of these bid items describe the material as limestone. Please refer to Specification Section 02380, Stone Protection, page 02380-9, Article 2.3.1, Evaluation Testing of Stone. For all three types of armor stone the specification for the LA Abrasion test,, ASTM C 535, 1000 revolutions, is "less than 20 percent loss". According to all major rock suppliers we have contacted, Florida limestone will not meet this specification. It is our understanding that less than 20 percent losses is a marginal specification even for Georgia granite. Is the 20 percent loss figure an error for the two classes of armor stone (B and C) listed as limestone? Should this be 45 percent as is the specification for bedding and core stone? If the design requirements actually demand rock with less. titan 20 percent losses in the LA Abrasion test, should the bid item be described as granite? As you know, the granite will be more expensive. We request that you issue a clarification so that all bidders are bidding on the same type material and to avoid any misunderstanding during construction. **Answer: See Amendment 4, Section 02380, 2.3.1.**

17. Specification Section 02380, Stone Protection, page 02380-9, Article 2.3.1 - Is the sulfate soundness test a test for sodium sulfate or for magnesium sulfate?  
**Answer: See Amendment 4, Section 02380, 2.3.1.**

18. It is our intent to submit a proposal in response to this solicitation. We would like clarification on whether or not there are any limits on working days, or hours? If so, do the constraints apply to both the Peanut Island and the Lake Worth site? **Answer: See Amendment 4, Section 01000, 1.5.1.**

19. Drawing No. 4/17, Note 3, states that the planting (at the Lake Worth site) includes planting 61,990 red mangroves. Please refer to Specification Section 02935, Revegetation, Appendix "A", Vegetation Table. The 61,990 red mangroves for Lake Worth are not listed in the table. Is the red mangrove planting at Lake Worth required under this contract or not required? **Answer: See Amendment 2, Drawing 4/17, notes 3 and 7.**

20. Also Appendix "A", specification section 02935. See "Estuarine Zone": One planting area is designated as "Rle" and another as "Tpe". What does the "e." denote? There is no "e" in the legend at the end of the table. Is this an abbreviation for estuarine?  
**Answer: See Amendment 4, Section 02935, Appendix A.**

21. Please refer to Specification Section 01000; General, Requirements,, Article.1-5., Order of Work - This article specifies that "all construction associated with the Shallow Water Reef and Lagoon on southeast Peanut Island is to be completed within the first 365 calendar days of the contract,. Specification Section 02935, Revegetation Articles 3.2.6, Watering and 3.3, Planter monitoring And Maintenance, requires that the contractor provide temporary irrigation for-six-months, after planting and also: provide monitoring and monitoring reports for six months after planting. Please confirm that the six months irrigation and monitoring period is not included in the 365- day completion requirement for the Reef and Lagoon Area. The planting will not be done until after construction 365

days less six months is not enough time to mobilize and to complete all required construction in this area. **Answer: See Amendment 4, Section 01000, 1.5.**

22. Line Item 0003AA, Excavate/Transport/Fill (Lake Worth Wetland Restoration) - Will the excavation required to construct the Reef arid Lagoon Area (Southeast Peanut) and the Tidal Pond and Flushing Area (West Peanut) be measured and paid for as excavation under bid item 0003AA? **Answer: See Section 01270, 1.2.1.**

23. Bid Item 0014AA, Select Fill Compacted (levee construction). Refer to Drawing. 3/3. Please confirm that the select compacted fill for the perimeter service roads and for the ramps will be measured and paid for under bid item 0014AA.

**Answer: See Section 00010A, line item 0014AA.**

24. In regard to the above referenced request for proposal, J. E. McAmis, Inc. requests clarification on the Proposal Submission Requirements. Section 00100A, page 4, paragraph A-2.4.1 states that the contractor is to "Submit a separate Past Performance Information Collection Sheet for each project." Section 00100A, page 4, paragraph A 2.6 states that past performance information for all subfactors except utilization of small business concerns (Paragraph 2.4) is to be submitted in package 2. However, on the top of the Past Performance Information Collection Sheet, it instructs the offeror to "Submit this sheet with Package 3 of your proposal." Should the Past Performance Information Collection Sheet be submitted in package 2 as outlined in section 00100A, page 4, paragraph A-2.6 or in package three as stated on the top of the collection sheet?

**Answer: See Answer to Question #2**

25. Drawing 3/1, Legend - Gray shaded area is described as "6" limerock base". Does this describe the gray shaded areas on plan view on Drawings 3/2 and 3/3? If all of the gray shaded areas on Drawing 3/3 are to be built with 6" of limerock base, is there 12" of compacted subgrade under the limerock base (see note 5 under Paving & Drainage Notes on Drawing 3/1)? Is cross section PRS 3/6 on Drawing 3/6 typical for all gray shaded areas on Drawing 3/3? This section does not show a 12" compacted subgrade. Neither does it indicate installation of Geoweb material. At what locations is Geoweb material to be installed?

Neither does it indicate installation of Geo Web material. At what locations is GeoWeb material to be installed?

**Answer: See Drawing No. 3/3, 3/5, Amendment 2 (Drawing No. 3/1 and 3/6)**

26. Drawing 3/1, notes for Paving & Drainage, Notes 4 & 5, limerock base and 12" compacted subgrade. If all of the disposal area perimeter and access roads are to be built with limerock base and if there is 12" of compacted subgrade under the limerock, do the specifications in Notes 4 and 5 apply or the specifications in Sections 02721 and 02722 of the Corps specifications? **Answer: See Amendment 2, Drawing No. 3/1 and Amendment 4, Drawing 3/1.**

27. Not Used

28. I am writing with respect to the Stone specifications for the referenced job, specifically section 02380, Paragraph 2.3, in which the required L.A. Abrasion loss is stated as “Less than 20 percent loss” under “ASTM 535, 1000 rev.”

As you may be aware, the Corps guidance for stone projects is contained in EM 1110-2-2302 (1990) “Construction with Large Stone.” That manual recommends CRD C-145 (the same as ASTM C-535) at 500 cycles as the most appropriate LA abrasion test for large stone, although it notes that “the significance of the test for large stone is indefinite.” It further states: “roughly, losses less than 20% for 500 revolutions are generally considered satisfactory while losses less than 20% for revolutions are generally considered satisfactory while losses exceeding 40 percent suggest probably poor service.” (EM-1110-2-2302 p.6-4.) In contrast to that guidance, the referenced procurement requires less than 20% loss for 1,000 revolutions, a criteria twice as difficult to meet as the most severe criteria recommended by “Construction with Large Stone” (as referenced specification requires 1000 cycles of the ASTM 535 test as opposed to the 500 cycles recommended by “Construction with large Stone”).

Of particular concern is the fact that few granite sources, and no limestone sources, of which we are aware met the 20% loss at 1,000 cycles requirement. In fact, we know of no quarries meeting that criterion along the Eastern Seaboard south of Virginia. Martin Marrietta’s Camak Quarry, from which we have successfully supplied a number of Jacksonville District jobs in the past, cannot meet the specifications for this job. As a result of reduced competition and longer haul distances, material costs for the referenced job will be quite high. Worse, there is no evidence that higher L.A. abrasion values correspond to greater armor rock longevity. Thus, the public can be expected to receive no benefit for the additional expenditures mandated by the specifications as currently written.

The L.A. abrasion test a misnomer, is designed to test the susceptibility of small aggregate to breaking during mixing in a concrete mixer. The test machine consists of a drum with paddles, into which is placed a charge of crushed stone and a number of small steel balls. The drum is rotated for the specified revolutions, during which the impact of the paddles and balls cracks the small aggregate. Stone with high losses requires more water for concrete hydration when it is used as a concrete aggregate. As Construction with Large Stone states, its relevance to armor stone is unproved. Before the Corps Coastal Engineering Research Center was decimated by budget cuts, their project on rip-rap longevity had reached only one conclusion: the L.A. Abrasion test provided no correlation to rip-rap longevity. Indeed, the available guidance is incapable of providing any support tougher L.A. Abrasion test results as an armor stone performance criteria: a few years ago the Baltimore District of the USACOE lost a pre-bid protest before the U.S. Court of Claims after the district was unable to provide any evidence that a more severe L.A. abrasion Test criteria would lead to greater armor stone longevity. See *Redland Genstar v. United States*, 39 Fed. Cl. 220 (1997). In that case, the Court held that the Baltimore District’s departure from their past practice by stiffening the L.A. Abrasion criteria for armor stone was arbitrary and capricious and failed to comply with the Competition in Contracting Act.

For all the above reasons, we respectfully suggest that the District modify the L.A. Abrasion criteria to either reflect past Jacksonville District policy or the guidance contained within “Construction with Large Stone.”

**Answer: See Amendment 4, Section 02380, 2.3.1.**

29. Pages 00100A-6 and 00100A-7 indicate that the forms are to be included with packages 3 and 1 respectively of the proposal. **Answer: See Answer to Question #2 and See page 00100A-7**

Is this correct or should both of these forms be included with package 2 of past performance. **Answer: 00100A-6 with package 2 and 00100A-7 with package 1.**

30. On pages 3 and 4 of section 01000 – Item 1-5 order of work it states that “Spoil material excavation and removal, levee construction, west Peanut Island construction, and Lake Worth wet land restoration (Fill) may be constructed concurrently.”

**Answer: Section 01000, 1.5 stands.**

31. On page 20 of section 02330 – Item 3-14-3 select fill it states “Dike Construction Operations shall not commence until all beach material excavation and transfer operations ----- have been completed ----- etc.

**Answer: See Amendment 2, Section 02330, 3.14.3**

32. Please clarify if the levee construction work can start before the transfer of the peanut island excavated material to be placed in the Lake Worth Restoration Fill Area is completed or if the 2 operations can go on concurrently.

**Answer: See Amendment 2, Section 02330, 3.14.3**

33. I have made a take-off from the X-sections shown on Drawings 4/4 to 4/12 inclusive of the material to be placed in the Lake Worth Wetland Restoration area. I have estimated a total of approximately 900,000 C.Y. line item 0003AA indicates a total volume of 1,232,830 C.Y. to be excavated and transported from Peanut Island.

Is it the intent of the Contract that the difference between these quantities be used in the levee construction and the balance be disposed of elsewhere (i.e. off Peanut Island) and that unit price for line item 0003AA is made up from a blend of the activities?

**Answer: See Amendment 2, Section 01270, 1.2.1c.**

34. Please clarify the following items that appear in the specifications.

Section 2300 – Page 6 –Item 1.7.2 – indicates these materials are disposed of in designated waste disposal or spoil areas. **Answer: See Amendment 2, Section 02300, 1.7.2.**

Section 2320 – Page 4 – Item 3.3 – Indicates these materials are to be removed from the Island and disposed of in an upland site at the contractors cost.

**Answer: See Amendment 2, Section 02320, 3.3.**

Section 2339 – Page 16 – Item 3-11-2 – Indicates these materials shall be permanently disposed of by placing in abandoned portions of the borrow areas.

**Answer: Section 02339 does not exist — refer to 02330. See Amendment 2, Section 02330, 3.11.2.**

35. The contract documents indicate that the utilization of hydraulic equipment is prohibited (Section 10-3).

Our interpretation of that statement is that you want to prohibit hydraulic dredging and transport of the material from Peanut Island to the Lake Worth Restoration Site, a distance of +/- 10 miles.

It has been our experience that a combination of mechanical and hydraulic equipment compliments this type of work. Therefore as an alternative approach, we request that you review the possibility of using hydraulic plant in combination with mechanical plant. It is our determination that our proposed process would be to mechanically remove the material from Peanut Island, load hopper barges to transport the materials to the Lake Worth Restoration Site, then off-load the materials from the hopper barges in a high density slurry, using a specially constructed pump-off/barge un-loader. We have used this method in the past and turbidity levels have been controlled below the maximum allowed in these contract specifications by use of turbidity curtains and environmentally acceptable flocculents.

**Answer: See Amendment 4, Section 00010-3.**

36. Section 01355-3, 1.2.2 Protection of Landscape

Paragraph “A” refers to covering “exposed roots within an hour as specified in subparagraph “excavation for structures” below. When does the hour duration start – at the time of exposure or the completion of the task? **Answer: See Amendment 4, Section 01355, 3.1.2.2a.**

Paragraph “A” indicates no lateral roots, which interfere with new construction, shall be cut. Paragraph “B” allows the contractor to cut roots back 3” from the new construction. Which is correct and where is the limit of construction? **Answer: Section 01355, 3.1.2.2a deals with trenching; 3.1.2.2b deals with excavation for structures. Limit of construction is shown on plans.**

37. Section 01355-3.1.2.6 Solid Wastes

Solid wastes shall be hauled to a solid waste disposal site designated by the contracting officer. Where is the disposal site? Who is the owner/contact person of the COR designated disposal site? Are there disposal fees associated with the site designated by the COR and if there are disposal fees what are they? **Answer: See Amendment 4, Section 01355, 3.1.2.6.**

38. Section 02330-1.3 Levee Construction

Per Section 02330-1.3 Submittals a written excavation plan is required 60 days prior to beginning of any excavation. Per Section 02330-1.3 a site excavation plan is required to be submitted at the reconstruction conference. Which date/spec section governs?

**Answer: See Amendment 4, Section 02330, 1.3.**

39. Section 02380-1.4.1.2c

Stone samples are to be shipped at the contractor's expense to a commercial laboratory designed by the COR. Has the laboratory been designated so the contractor can determine a shipping rate or cost for the stone sample? **Answer: See Amendment 4 Section 02380, paragraph 1.4.1.2 c**

40. Section 02630-3.5.5

Density testing is the responsibility of the contractor and shall be performed in sufficient number to insure that specified density is being obtained. The sufficient number of densities is determined by? Every contractor that is bidding this project will determine what he believes to be sufficient which may not necessarily be the same amount as a sufficient number to be determined by the COR. Can the Army Corps of Engineers be more specific in the various numbers of density testing required based on application (i.e.: trench backfill, levees, general fill)?

**Answer: See Section 02316, paragraph 3.4.3 and Section 02300, paragraph 3.12.2 and 3.12.3**

41. Sheet 1/5 Note #6

The contractor is responsible for the relocation of the Bell South Telephone Cable between PP2 and PP6. What work is to be completed by the contractor and what work is to be completed by Bell Telephone? Is Bell Telephone providing any of the materials to be relocated? What size is the telephone line (number of pairs) to be relocated?

**Answer – See Amendment 2, Drawing 1/5, Note 5, See Amendment 4: Section 01270, Subsection 1.2.1 and Line Item 0003AA.**

42. Sheet 2/31 Detail #15

Detail for DS #9 show work in the Proposed Jetty (Refer to Sheets 2/7 thru 2/22 for Plans and Details)."

Reviewing Sheets 2/7 thru 2/22 there is no DS#9 shown. Can the Corps please provide a sheet number and station location for structure DS#9

Storm Drainage structures shown are DS #1 thru DS # 6 only on sheet 2/24.

**Answer: See Amendment 4, Drawing 2/31, Detail 15, deleted.**

43. Sheet 2/31 Detail #15

Detail for DS #9 references DS#10) as show work in the "Proposed Jetty (Refer to Sheets 2/7 thru 2/22 for Plan and Details)." Reviewing Sheets 2/7 thru 2/22 there is no DS #10 shown. Can the Corps please provide a sheet number and station location for structure DS#10

Storm Drainage structures shown are DS #1 thru DS # 6 only on sheet 2/24.

**Answer: See Amendment 4, Drawing 2/31, Detail 15, deleted.**

44. Sheet 2/34 Valve Setting Detail Standard Detail WS 1.0

This detail conflicts with Specification Section 02510-2.4.b "An approved pit shall be provided for all flanged connections". As there are no details/drawings provided by the

Corps of Engineers on “an approved pit” for flanged connections, and valves in excess of 3” will have flanged connections (which conflicts with this detail) what is the contractor to provide for the 6” water main valves? **Answer: See Amendment 4, Drawing 2/33 and 2/34.**

45. Sheet 2/40 Details #5 and #8, and Section AJ

It appears as Detail #5 and Section AJ are showing the installation of ¾ SS thread rods with nut and washer (TYP) while Detail #8 is showing these connection rods to be 7/8” in diameter. Can you clarify the diameter of the proposed threaded rods connections for the Mangrove Boardwalk at these locations? **Answer: See Amendment 2, Drawing 2/40.**

46. Sheet 2/42 Details for the Pre-Fabricated Bridges

Sections AK and AL show: Concrete Abutment (Refer to Sheet 2/30 for Details) and Concrete Pile Bridge Support (Refer to Sheet 2/30 for Details). Referring to Sheet 2/30 there are no details for the Concrete Bridge Supports or for the Concrete Abutments. Can you clarify this reference? **Answer: See Amendment 4, Drawing 2/41, 2/42 and 2/43.**

47. Sheet 2/43 Details for the Pre-Fabricated Bridges

Sections #10 and Sections #11 detail the dimensions for a “typical abutment detail” and “typical bridge pile support detail” but no rebar. Is there reinforcement required for the bridge pile supports and abutments? If so where are the detail drawings?

**Answer: See Amendment 4, Drawing 2/41, 2/42 and 2/43.**

48. Sheets 2/41 to 2/43 Details for Pre-Fabricated Bridges

There are no details for pile locations for Greenheart piles shown on cross-sections AM and AN on Sheet 2/44. **Answer: See Amendment 4, Drawing 2/41, 2/42 and 2/43.**

49. Where are the pile locations (by station)? What are the lengths of piling required at these locations? **Answer: See Amendment 4, Drawing 2/41, 2/42 and 2/43.**

50. Pre-fabricated bridges – there are no pile location details (stationing) and pile lengths shown for the pre-fabricated bridges in sheet 2/41 thru 2/43.

**Answer: See Amendment 4, Drawing 2/41, 2/42 and 2/43.**

51. Page 2/43 Section #10. Cross-Section A-A is shown as Abutment Section “AA”.

There are no dimensions for the height of the base cap and the vertical section that goes to the top (width or depth). What are these dimensions? **Answer: See Amendment 4, Drawing 2/41, 2/42 and 2/43.**

52. Sheets 2/23 to 2/35 Road Layout and Paving Plans

Sheet 2/23 notes “Proposed 10’ Wide Road with 2’ Curb and Gutter (Road Pavers to Match Existing Road). This sheet shows curb and gutter on both sides of the proposed roadway.

**Answer: See Drawing 2/30 for road configuration details.**

53. The typical Section “Y” as shown on 2/30 for the paved roadway an 8’ brick roadway with 2’ curb and gutter on one side and an 12” wide concrete section on the other. This section conflicts with the note on sheet 2/23. Which governs? **See Amendment 4, Drawing 2/30.**

54. Sheet 2/30 Section #11 and Section Y are inconsistent. Typical Section “Y” shows a 1.5-gutter/drainage sale behind the 2” concrete curb and gutter area. Section #11 shows the same area as 1.9”. Which is correct? **See Amendment 4, Drawing 2/30.**

55. Sheet 2/30 detail “Y” shows a 8” limerock base course. General notes on sheet 3/1 under the Paving and Drainage Notes, Item #4 is denoting a 6” limerock base. Which is correct?

**Answer: See Drawing 2/30 for new road - Reef and Lagoon Site. See Drawing 3/1 for Levee construction general notes and site location.**

56. Existing topo elevations shown on Sheet 3/2 have the highest existing elevations at 36’ and 38’. The highest elevations shown on Sheet 2/2 is elevation 34”. Which drawing is correct? If you take 4’ of elevation difference over the excavation area it makes a major difference in the earthwork quantity. What is the existing highest topo elevation?

**Answer: Sheet 2/2 is a site location map, not intended for topographic information.**

Sheets 4/1, 4/2 and 4/3 Lake Worth Area

57. The “X” coordinates along the left side of this sheet do not agree with the major “X” coordinates along the right side of the sheet 4/2. Sheet 4/3 “X” coordinates also do not match. It appears as though the drawings were prepared by different personnel utilizing different coordinates planes. How can the companies that are bidding this project get a coordinate plane that will equalize the locations on all the drawings?

**Answer. See Amendment 2, Drawing 4/1.**

58. What is the load limit on the bridge going over the pedestrian walk on the west side of Peanut Island that leads down to the loading dock?

**Answer: See Amendment 4, Drawing 1/3, Note 1.**

59. Sheet 2/19, detail 8 shows a .75” hole drilled through the slab that does not match the section A-A and detail 9. Please advise.

**Answer: See Amendment 2, Drawing 2/19 descriptive change.**

60. Is it necessary for all bidders to submit a full environmental plan rather than the successful contractor? Or perhaps an outline plan. **Answer: See Section 00100A-4 A-2.5 – Provide environmental plan related to each project feature as required.**

61. Will the contractor be allowed to work 24hr x 7 days at the Lake Worth disposal Site?

**Answer. See Amendment 4, Section 01000, 1.5.1.**

62. Mulch/chips required for Maritime Hammock area (6.1 acres) will be approx. 5,000 CY. It is our understanding that Palm Beach County ERM will take up to 1,000 cy of

additional mulch, with remainder of vegetation to be burned/disposed of. Please confirm this maximum additional quantity to be stock piled. Also, please indicate area to stockpile this additional mulch/chips, if generated. **Answer: See Amendment 2, Section 02230, 3.4.2.1**

63. The Selective Clearing along the golf course shoreline @ the Wetland Restoration site is indicated @ 4.0 acres. The length of this clearing is approx. 6,400 lf. The width of the clearing along the shoreline is not indicated, but calculates out to approx. 27' wide along shoreline. Please confirm these limits. **Answer: See Section 02220, 3.7 and Appendix A.**

64. In the Selective Clearing area along the shoreline for the Wetland Restoration site, do we clear "exotics" only, or do we clear all "non-native" species) i.e.: Ficus, misc. shrubs, weeds, cane grasses, etc.)? **Answer: See Section 02230, 1.2.1 and 3.1.**

65. Other than grading and the 21,780 SY of Bermuda sod shown on Appendix A, pg. 2935-A2, are we required to perform any other restoration of cleared area along golf course shoreline; specifically, are we required to repair/replace concrete sand or asphalt portions of cart paths which will be impacted by clearing? **Answer: See Sections 01355, Planting spec's call for 1,275 Saw Palmetto, 3 gallon, 24" to 36" height. Available 3 gallon Saw Palmetto have approx. 12" height. 24"-3 gallon Saw Palmetto are not available, and have not been available for some time, at any price. Please advise as to size adjustments and/or quantity increase. Answer: Specifications stand.**

66. Question: The solicitation specifications contain a statement found on page number 00010-3; that reads in part: Utilization of hydraulic equipment on this project is prohibited". What is the specific meaning or intention of this statement and please define by way of specific example(s) the term "hydraulic equipment"? **Answer: See Amendment 4, Section 00010-3.**

67. Question: The solicitation specifications make specific reference to an existing S.F.W.M.D. permit; #50-04766-p and U.S.A.C.E. permit #200002515. The specifications further indicate the contractor's contractual responsibility to abide by; conduct testing and other work in accordance with and maintain the permits as defined by the permit/application requirements. Can copies of these permits be provided to the bidding contractors? **Answer: See Section 01355, paragraph 1.4**

68. Question: Is the contractor required to perform a pre-construction, bathometric survey prior to filling the Lake Worth Wetland Restoration area? **Answer: See Section 02320, 1.3 and 3.1.1.1.**

69. Question: Is the contractor required to perform monthly bathometric, construction progress surveys of the Lake Worth Wetland Restoration area prior to submitting a request for payment for the work performed? **Answer: See Sections 02320, 1.3 and 3.1.1.2 and 01270.**

70. Question: Is the contractor required to remove the existing concrete revetment located along the western waters edge at the Lake Worth Wetland restoration site?

**Answer: See Amendment 2, Section 02220, 3.4.2.**

71. Question: Will the Contractor be permitted to install an underwater retaining wall, along the eastern edge of the Lake Worth Wetland Restoration fill area to contain or prevent fill intrusion within the limits of the Intracoastal Coastal Waterway? Will this structure(s) be required to be removed once the installation of the fill is complete?

**Answer: permits do not cover this activity.**

72. Question: In the event the proposed design template at the Lake Worth Wetland Restoration site requires more fill than is available from the Peanut Island site due to miscellaneous settlement issues, what is the procedure to calculated payment for the additional material? **Answer: Based on unit price.**

73. The type of A armor is specified as granite. Would limestone with equal specific gravity be acceptable? **Answer: Specifications stand.**

74. There are 61,990 red mangroves plantings required by notes on sheets 4/2 and 4/17. They are not listed on the schedule of plantings in the specifications. Please advise if they are required. **Answer: See Amendment 2, drawing 4/2.**

75. Not Used

76. Not Used

77. There are 36,000 red mangroves on the plans that are not show on the plant summary list, will you require these? **Answer: See Amendment 2, drawing 4/2.**

78. Under section 02935, item 1.3 Qualification Data

It states, " The Landscape Contractor shall have a Florida Certified Landscape Contractor (FCLC) as a full time supervisor and for plant material selection".

We have on staff a "Florida Certified Landscape Designer" (FCLD) who is also certified by the National Arborist Association, and a FNGA Certified Nursery Professional, this experience supercedes these requirements. Will this suffice for this portion of this project? **Answer: Specifications stand.**

79. Pile lengths for the floating docks at the tidal basin show 12" x 12" sq concrete 24 each at 40' long and the plan says p1 thru p16. 16 piles at 40' = 640 l.f. The pay item for 12" piles is 460 l.f. Am I missing something? **Answer: See Amendment 4, Section 00010A, Item 0006AB.**

80. On the 14" concrete piles we have two locations that these piles are going at, 1st the 3 pedestrian bridges which have 8 piles each and I have not been able to find the length but

I am guessing 40' long and the 2nd location is the y groin and we have 24 piles 35'. (On the y - groing sheet 2/45 it looks like someone failed to number a bent and you call out 11 bents of 2 piles each for a total of 22 but show 24 piles)

If we add these two items 1,800 l.f. Am I missing something? **Answer: See Amendment 4, Section 00010A, Item 0006AC; and Drawing 2/45.**

81. Also on the 18" piles I cannot get to the total to come out to 2545 can you provide some insight on this quantity? **Answer: See Amendment 4, Section 00010A, Items 0006AA and 0006AD.**

82. We have also talked to a printing company and plotting the drawings to a 24" x 36" will not make the drawings come to scale. We have asked NorthEast Blueprint to try to find some size paper that may make the drawings come to a scale. Please provide me with any insight that you may have concerning this issue. We presently have ordered about 7 sets of plans that cannot be scaled. **Answer: See Amendment 2, all plan drawings.**

83. One question concerning The Murphy Construction Co. Can we bid the job as prime contractor and pass out subcontract bids to other bidders for particular portions of the project. The reason I ask this is because the bid is very specific and you must name your subcontractors in advance. **Answer: See Page 00100A-1 Paragraph A-1.1 and see Page 00800-5 Paragraph 999.215-4001.**

84. Drawing 3/6

Please clarify if limerock is the same as armor stone 1-1.5' dia limestone, if negative please provide material gradation specifications. **Answer: See Amendment 4, Drawing 3/1.**

85. Drawing 3/6 – RMP 3/3

Please provide a section view of the levee ramp

**Answer: See Drawing No. 3/4 detail L3**

86. Drawing 2/43 – abutment section “AA”

Please provide dimensions and rebar requirements for the abutment, provide also rebar requirements for pier section “B” of the same drawing. **Answer: See Amendment 4, Drawing 2/43.**

87. Drawing 2/42

Please provide dimensions for bridges #1 through #3

**Answer: See Amendment 4, Drawing 2/42.**

88. Drawing 1/5 – Note 6

Please provide a pay item for the Bell South telephone cable relocation and provide details if the cable can be buried directly.

**Answer: See Amendment 2, Drawing 1/5, Note 5, See Amendment 4: Section 01270, Subsection 1.2.1 and Line Item 0003AA.**

89. Spec Section 02380 Par 2.2.4 – Core Material

Please provide gradation requirements, similar to armor stone

**Answer: See Amendment 4, Section 02380, 2.2.4.**

90. Sheet 2/49

The aluminum shapes called out on the plans do not match the Aluminum Association shapes, please clarify.

e.g. - I 12x15.5 – Sx= 52.9 cu inch versus Aluminum Association Sx=47.88 cu inch.

I 6x5.46 versus AA's I 6x5.96 or 5.10

I 8x7.023 versus AA's I 8x6.35 or 7.96

I 12x14.292 versus AA's I 12x14.08 or 15.56

**Answer: See Amendment 4, Drawing 2/49.**

91. Sheet 2/49

The aluminum “treadplate” is extremely dangerous when wet can “Mebac” plate be used? The 3/8” treadplate without reinforcing the 5’ span will be very flexible, please confirm the thickness.

**Answer: Specifications stand. Drawing 2/49; thickness for the 3/8" aluminum treadplate is adequate. No reinforcement is necessary.**

92. Sheet 3/11 – note 6

8 Ga aluminum liner plate is only .165” thick, ½” thick weld as called for does not make a lot of sense. Please confirm requirement. **Answer: See Drawing No. 3/11 note 6.**

93. Sheet 2/36

Plan view of floating docks says “Aluminum gangway by Bellingham or approved equal”, please provide specifications for approved equal. **Answer: See Amendment 4, Drawing 2/36.**

94. WE ARE REQUESTING THAT THE ACOE PROVIDE US WITH THE “DWG. FILES SO THAT WE MAY PREPARE OUR PROPOSAL PRICE IN A MORE PRECISE MANNER. THE SOLICITATION ALLOWS THE CORP A 15% ADJUSTMENT IN QUANTITIES WITHOUT A PRICE ADJUSTMENT 52.211-18 VARIATION ESTIMATED QUANTITY (APR 1984). WE NEED THIS INFORMATION IN ORDER TO PROVIDE A PRICE TO THE ACOE FOR THIS PROJECT **Answer: They will not be provided.**

95. IN SECTION 1000 GENERAL REQUIREMENTS SECTION 1.6.4.4. THIS SECTION WOULD LEAVE A PROPOSER TO THINK THAT THE ACOE IS OFFERING SITES LISTED IN THIS SECTION IF THEY MEET LOCAL PERMITTING CONSTRAINTS AND ORDINANCES. THE FIRST SENTENCE STATES THAT IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN A LAND BASE STAGING AREA. THE SECOND SENTENCE SAYS THE FOLLOWING SITES MAY BE AVAILABLE WITH PROPER PERMITTING AND LOCAL CONSTRAINTS AND ORDINANCES. PROPOSERS MAY INTERPRET

THIS PARAGRAPH AS THEY CAN USE THE PROPERTY BY JUST MEETING LOCAL PERMITTING AND CONSTRAINTS AND PROPER SITE PREPARATION AND THIS MAY NOT BE THE CASE. THE PORT MAY CHARGE FEES AND THE SAME FOR THE COUNTY AND FLORIDA NAVIGATIONAL DISTRICT. IN FACT SOME OF THESE SITE MAY NOT EVEN BE AVAILABLE.

**Answer: See Amendment 2, Section 01000, 1.6.4.4.**

96. We have no mobilization/demobilization item and have substantial cost associated with this. We also have several major cost where I am uncertain as to what category to place their costs i.e.: trailers, cars, boats etc for ACOE, bonds insurances etc. Could you please provide me with some direction as to what category that I am to include items that are not specifically listed out in the measurement and payment section 01270.

**Answer: See Answer to Question #1**

97. In a meeting with Pam Reeder of Coastal Revegetation we would like to question the following specification. Under section 02935 part 2.1.1 Plant Material, the second sentence states " Plant Materials shall be Florida Fancy as outlined under the most recent 'Grades and Standards for Nursery Plants', State Board of Florida, and shall be Graded Florida Number 1 or greater unless otherwise noted on the contract drawings."

There is a considerable difference between Florida Fancy and Florida Number 1. Florida Fancy materials are not always readily available and cost a considerable amount more. The nature of this project would lend itself to Florida No. 1.

We would request clarification by amendment form as soon as possible

**Answer: See Amendment 2, Section 02935, 2.1.1.**

98. 9,000 red mangroves are on the plans but the red mangroves are not on the plant list. Please clarify. **Answer: See Amendment 2, Drawing 4/17.**

99. Does geoweb go under all of perimeter road (at the levee) or only through (by) certain parts? **Answer: See Drawing No. 3/5 and Amendment 2, Drawing No. 3/6.**

100. The quantities of landscape material on the plans does not match Appendix A vegetation table. Could you advise as to which is the correct quantities to use?

**Answer: See tables from the following landscape plans: 2/56, 2/57, 3/14 and 4/17.**