

CITY OF SANIBEL

SPECIFICATIONS FOR

Sanibel Island Post Hurricane Ian Emergency Berm / Beach Recovery Project

ITB-PW-4-2023/SK

November 10, 2023



*Public Works Department -
800 Dunlop Road, Sanibel, FL 33957
(239)472-6397*

BIDS DUE BY: 2:30 PM, (ET) November 20, 2023

PRE-BID CONFERENCE: No Pre-Bid Conference

NO QUESTIONS WILL BE ACCEPTED AFTER: 5:00 PM, (ET) November 14, 2023, all questions must be submitted in writing to scott.krawczuk@mysanibel.com and received by stated time.

**SEALED ENVELOPES MUST BE MARKED WITH THE TITLE OF THE BID, BID NUMBER, NAME
AND ADDRESS OF THE BIDDER.**

Courier Packages (Fedex, UPS) shall clearly state on the outer packaging, the Invitation to Bid Title and the Invitation to Bid Number. If the proper information is not on the courier's outer packaging the Bid/RFP may be sent back to the Vendor without being opened and/or given consideration for that project.

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27 pages

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CITY OF SANIBEL, FLORIDA

ADVERTISEMENT FOR BIDS

Legal Notice is hereby given that sealed proposals will be received at the Office of the City Engineer, City of Sanibel, Florida, at the Public Works Building, 750 Dunlop Road, Sanibel, until 2:30 P.M., on NOVEMBER 20, 2023 and shortly thereafter will be publicly opened and read aloud. Any proposal offered later than the above time will be returned unopened.

The work for which proposals are to be received consists of the following:

SANIBEL ISLAND POST HURRICANE IAN EMERGENCY BERM / BEACH RECOVERY PROJECT

This project is located within Sanibel Island's Gulf-Front Shoreline. **The work consists of construction of a beach and dune post storm emergency berm and recovery project involving the placement of beach quality sand to restore the beach and dune areas along Sanibel Island's Gulf-Front shoreline.**

Proposals shall be properly and completely executed on a standard proposal form. Each proposal shall be accompanied by an acceptable certified check or cashier's check made payable to the City of Sanibel, or an acceptable Bidders Bond, in an amount not less than five percent (5%) of the total bid price.

The Contractor to whom the work is awarded will be required to furnish an acceptable Surety Bond in an amount of one hundred percent (100%) of the contract price.

No bidder may withdraw his proposal within a period of sixty (60) days following the date set for receiving proposals. The City of Sanibel reserves the right to hold any and all bids for a period of not more than sixty (60) days and said bids shall be and remain valid and in full force and effect during said period. The City of Sanibel reserves the right to reject any and all proposals and to waive informalities.

Plans and Specifications for the work may be obtained online at:

<https://www.mysanibel.com/government/public-works-department/useful-links/city-bids>

Scott Krawczuk
Deputy Public Works Director

AFFIDAVIT REQUESTED
PUBLISH ONE TIME
Fort Myers News-Press
November 10, 2023

INFORMATION FOR BIDDERS

1.01 SCOPE

- A. The contract work provides for the **Sanibel Island Post Hurricane Ian Emergency Berm / Beach Renourishment Project** and other related items pertinent and incidental thereto including the furnishing of all labor, materials, supplies, equipment, work and services, ready for satisfactory and continuous operation, in accordance with the drawings and specifications.
- B. The work included in this contract is described briefly as follows: **The work consists of construction of a beach and dune post storm emergency berm and recovery project involving the placement of beach quality sand to restore the beach and dune areas along Sanibel Island's Gulf-Front shoreline.**
- C. There is no pre-bid conference for this project.
- D. Construction is scheduled to begin **DECEMBER 13, 2023 with a completion date of APRIL 15, 2024.**

1.02 CONTRACT DOCUMENTS AND SPECIFICATIONS

- A. Work to be performed shall be in accordance with drawings and specifications prepared by the City of Sanibel.

1.03 BIDDER TO EXAMINE SITE

- A. All bidders are to inform themselves of the conditions under which the work is to be performed, the site of the work, the obstacles which may be encountered, and all other relevant matters concerning the work to be performed. The successful bidder will not be allowed any extra compensation by reason of any matter or thing concerning which said bidder might have fully informed themselves because of their failure to have so informed themselves prior to the bidding.

1.04 INFORMATION NOT GUARANTEED

- A. All information given relating to borings, material encountered, and groundwater is from the reports of the boring CONTRACTOR. Such information is furnished only for the information and convenience of the bidders. It is understood and agreed that the OWNER does not warrant or guarantee as to the accuracy or completeness of such information. Each bidder must satisfy themselves regarding the character, quantities, and conditions of the various materials and work to be done.
- B. It is further understood and agreed that the bidder or the CONTRACTOR will not use any information made available to themselves or obtained by any examination made by them in any manner as a basis or ground of claim or demand of any nature against the OWNER arising from or by reason of any variance which may exist between the information offered and the actual materials and structures encountered during the construction work.

1.05 QUESTIONS REGARDING CONTRACT DOCUMENTS

- A. In general, no answer will be given in reply to an oral question if the question involves an interpretation of the intent or meaning of the drawings or contract documents, or the equality or use of products or methods other than those definitely designated or described on the drawings or in the specifications. Any information given to bidders other than by means of the drawings and contract documents or by addenda as described below is given informally and shall not be used as the basis of a claim against the OWNER or the Engineer.
- B. To receive consideration, such questions shall be submitted in writing to the OWNER by no later than **November 14, 2023 at 5:00PM (ET)**. If the question involves equality or use of products or methods, it must be accompanied by drawings, specifications, or other data, in sufficient detail to enable the OWNER to determine the equality or suitability of the product or method. In general, the OWNER will neither approve nor disapprove particular products prior to the opening of the bids; such products will be considered when offered by the selected CONTRACTOR for incorporation into the work.
- C. The OWNER will arrange as addenda, which shall become a part of the Contract, all questions received as above provided, with his decision regarding each. Addenda will be posted by **November 17, 2023 at 5:00PM (ET)**. It shall be the responsibility of the CONTRACTOR, prior to submitting a proposal, to check the Demandstar online marketplace to download any and all addenda associated with the project. CONTRACTOR shall acknowledge issued addenda on Proposal document page (P-2).
- D. Unless such action shall have been taken by the CONTRACTOR and approval obtained, he agrees to use the product or method designated or described in the specifications or as amended by these addenda.

1.06 PROPOSAL FORM

- A. All bids must be submitted upon the Proposal Form which will be furnished by the OWNER. The Proposal Form shall be completely executed and shall give the price bid for each item of work proposed, both in words and figures, and shall be signed by the bidder.
- B. In the event of a discrepancy between the prices written in words and prices written in figures, the prices written in words shall govern.
- C. The successful bidder shall be prepared to complete the work within anticipated schedule of **DECEMBER 13, 2023 TO APRIL 15, 2024**.

1.07 LETTER FROM SURETY

- A. The CONTRACTOR shall submit with their executed bid proposal a letter or statement from their surety company that it will execute and deliver a one hundred percent (100%) Performance and Payment Bond.

1.08 AWARD OF CONTRACT

- A. Lump Sum Proposals - The award of Contract shall be made to the low, responsive and responsible bidder on the lump sum proposals submitted for the work. The Contract shall be deemed as having been awarded when formal notice shall have been served upon the successful bidder by an officer or agent of the OWNER duly authorized to give such notice.
- B. Unit Price Proposals
- (1) The award of the Contract will be made to the lowest responsible bidder on the total bid price given on the Proposal Form, page P-1. The Contract shall be deemed as having been awarded when formal notice shall have been served upon the successful bidder by an officer or agent of the OWNER duly authorized to give such notice.
- (2) The quantities listed in the unit price proposal form are to be considered as approximate and are to be used for the comparison of bids only. The unit prices to be tendered by the bidders are to be tendered expressly for the scheduled quantities, as they may be increased or decreased as hereinafter provided. Payments, except for lump sum items in the unit price Contract, will be made to the CONTRACTOR for the actual quantities of work performed or materials furnished in accordance with the plans and specifications; and it is understood that the scheduled quantities of work to be done and materials to be furnished may each be increased or diminished as hereinbefore provided without in any way invalidating the unit price bid. Where there is a conflict between the unit price and the extension thereof made by the bidder, the unit price shall govern, and the Engineer shall be authorized to make a correct extension of such unit bid price and to use such corrected extension in comparing bids.
- (3) When prices are requested on "Alternate" items, the alternate item price will not be considered in determination of the low bidder.
- (4) The City reserves the right to accept or reject any or all bids and to waive any formal irregularities in the bids, when deemed to be in the best interest of the City.

1.09 BID SECURITY

- A. Each bid shall be accompanied by a cashier's check made payable to the OWNER or an acceptable bidder's bond in an amount of not less than five percent (5%) of the total bid price. The checks will be returned to all except the three lowest formal bidders within three days after the date of opening the bids. Any checks remaining with the OWNER shall be returned upon execution of a contract.

1.10 COMPARISON OF BIDS

- A. Bids will be compared on the basis of the lump sum bid or the sum of unit price extensions plus the sum determined in evaluating the time of completion stated by the bidders in their proposals if the OWNER desires to make such evaluation. The net sum thus obtained shall be used to determine the order of bidding.
- B. The sum to be used for evaluation of the time of completion stated by the bidder, if used, shall be only for comparison of bids. It shall be the product of \$300.00 and the number of calendar days named by the bidder.

1.11 EXPERIENCE AND ABILITY OF CONTRACTOR

- A. It is the intent of the OWNER not to award the Contract to any bidder who does not furnish satisfactory evidence they have the ability and experience in this class of work, and that they have sufficient capital and plant to enable them to prosecute the same successfully and to complete it in the time named in the proposal. CONTRACTOR shall have a minimum of **THREE (3)** years' experience with similar projects.

1.12 EXECUTION OF CONTRACT

- A. The successful bidder to whom the Contract is awarded shall be required to execute **three (3)** copies of the Construction Contract and **three (3)** copies of the Performance and Payment Bond.

1.13 FORFEITURE OF BID SECURITY

- A. In the event that the party to whom the Contract is awarded shall fail or neglect to execute the Contract and furnish satisfactory bonds within TEN (10) days after the OWNER has notified him that the Contract is ready for execution, the OWNER may determine that the bidder abandoned the Contract, and thereupon the proposal and acceptance shall be null and void; and the security accompanying the proposal shall be forfeited to and retained by the OWNER as liquidated damages for such failure and neglect, and to indemnify the OWNER for any loss which may be sustained by failure of the bidder to execute the Contract. After the execution of the Contract and the acceptance of the bonds by the OWNER, the bid securities which have been retained by the OWNER shall be returned to the respective bidders.

1.14 UNAVAILABILITY OF MATERIALS

- A. Bids must be based on use of the materials specified, subject to the provisions of any addenda issued. If the CONTRACTOR is unable to furnish or use any of the materials or equipment specified because of any order by a governmental agency limiting the manufacture or use, or because of the supply situation in the general market for such material or equipment, the CONTRACTOR shall offer substitutes therefor. The substitutes shall be suitable for the purpose, considering the factors of quality, serviceability, appearance, and maintenance. No substitute shall be used until it has been approved by the Engineer.
- B. No consideration will be given to the use of substitutes on account of market conditions unless the CONTRACTOR demonstrates that for the item in question, CONTRACTOR placed their order and submitted shop drawings without delay, that CONTRACTOR has shown due diligence in attempting to locate the item as specified, and that the unavailability is due to market conditions in general throughout the particular industry.
- C. If substitutes are used in the work, the compensation to be paid to the CONTRACTOR shall be subject to review and adjustment. As a general principle, if the Engineer shall determine

that the substitute will be less satisfactory, the CONTRACTOR shall allow a credit to the OWNER; only "under unusual circumstances shall there be an increase in" compensation to the CONTRACTOR on account of substitution. The basis upon which the amount of price adjustments will be founded shall be the cost of the appropriate items at the time the bids were opened.

1.15 DELETED

1.16 NONDISCRIMINATION IN EMPLOYMENT

- A. Contracts for work under this proposal may obligate the CONTRACTOR and sub-contractors not to discriminate in employment practices.
- B. Bidders must, if requested, submit a compliance report concerning their employment practices and policies in order to maintain their eligibility to receive the award of the Contract.

1.17 RIGHT-OF-ACCESS

- A. The CONTRACTOR agrees that a representative of the OWNER or Engineer will have access to the work wherever it is in preparation of progress and that the CONTRACTOR will provide facilities for such access and inspection.

1.18 SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION

- A. The successful bidder shall be responsible for all obligations prescribed as employer obligations under Chapter XVII of Title 29, Code of Federal Regulations, Part 1926, otherwise known as "Safety and Health Regulations for Construction."

1.19 UTILITIES

- A. All existing utility systems which conflict with the construction of the work herein shall be relocated or temporarily removed and replaced as required. Such relocating or temporary removal and replacement shall be accomplished at the expense of the CONTRACTOR, and the work shall be done by the Utility unless the Utility approves in writing that the work may be done by the CONTRACTOR.
- B. The CONTRACTOR shall make all necessary applications and arrangements and pay all fees and charges for electrical energy for power and light required for the construction of this Contract during its entire progress. CONTRACTOR shall provide and pay for all temporary wiring, switches, connections and meters.

1.20 EASEMENTS

- A. The OWNER will obtain right-of-way easements over and through certain private lands for the construction and rehabilitation. The width or limits of such rights-of-way will be defined by the OWNER before the work or construction shall begin. If the methods of construction employed by the CONTRACTOR are such as to require the use of land beyond the limits

obtained, CONTRACTOR shall make their own agreements with the property owners affected for the use of such additional land and submit a copy of the agreement to the "owner".

- B. In all such easement rights-of-way, the CONTRACTOR shall be required to carefully remove the Owner's fences, or other obstacles to the construction procedure, and replace the same after the work is installed. The backfilling shall be to the grade of the existing ground level or to the grade as established by the Owner in the event the Owner permits the deposit of excess material upon such land.
- C. The cost of all such restoration of property shall be included and no additional payment will be allowed for this work.

1.21 OPERATIONS WITHIN RIGHT-OF-WAY

- A. In public thoroughfares, all operations of the CONTRACTOR, including those of temporary nature, must be confined within the applicable right-of-way limits. If the methods of the construction employed by the CONTRACTOR are such as to require the use of land beyond the public thoroughfares, CONTRACTOR shall make their own agreements with the property owners affected for the use of such additional land and submit a copy of the agreement to the "owner".

1.22 PUBLIC RECORDS

- A. OWNER is a public agency subject to Chapter 119, Florida Statutes, the Public Records Law. As a CONTRACTOR or service provider to OWNER, CONTRACTOR is also subject to the Public Records Law pursuant to Section 119.0701, Florida Statutes, and shall comply with Florida's Public Records Law. Unless specifically exempted by Florida law, in whole or part, the CONTRACTOR shall:
 - (1) Keep and maintain public records required by the OWNER in order to perform the service. This shall include all records relating to CONTRACTOR'S services provided to the OWNER and includes "all documents, papers, letters, maps, books, tapes, photographs, films, sound recordings, data processing software, or other material, regardless of the physical form, characteristics or means of transmission."
 - (2) Upon request from the OWNER'S custodian of public records, provide the OWNER with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
 - (3) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the CONTRACTOR does not transfer the records to the OWNER.
 - (4) Upon completion of the contract, transfer, at no cost to the OWNER, all public records in possession of the CONTRACTOR, or keep and maintain public records required by the OWNER to perform the service. If the CONTRACTOR transfers all public records to the

OWNER upon completion of the contract, the CONTRACTOR shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the CONTRACTOR keeps and maintains public records upon completion of the contract, the CONTRACTOR shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the OWNER, upon request from the OWNER'S custodian of public records, in a format that is compatible with the information technology systems of the OWNER.

- B. As required by Section 119.0701(2)(a), the following contact information is provided to the CONTRACTOR in the format required by statute:

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**SANIBEL CITY CLERK
800 DUNLOP ROAD
SANIBEL, FLORIDA 33957
(239) 472-3700
scotty.kelly@mysanibel.com**

1.23 DELETED

1.24 E-Verify

- A. In compliance with Section 448.095, Fla. Stat., CONTRACTOR and its sub-contractor must be registered with and use the E-Verify system to verify work authorization status of all employees hired after January 1, 2021.
- (1) CONTRACTOR shall require each of its sub-contractors to provide CONTRACTOR with an affidavit stating that the sub-contractor does not employ, contract with, or sub-contract with an unauthorized alien. CONTRACTOR shall maintain a copy of the sub-contractor's affidavit as part of and pursuant to the records retention requirements of this Agreement.
 - (2) The OWNER, CONTRACTOR, or any sub-contractor who has a good faith belief that a person or entity with which it is contracting has knowingly violated Section 448.09(1), Fla. Stat. or the provisions of this section shall terminate the contract with the person or entity.
 - (3) The OWNER, upon good faith belief that a sub-contractor knowingly violated the provisions of this section, but CONTRACTOR otherwise complied, shall promptly notify CONTRACTOR, and CONTRACTOR shall immediately terminate the contract with the sub-contractor.
 - (4) A contract terminated under the provisions of this section is not a breach of contract and may not be considered such. Any contract termination under the provisions of this section may be challenged pursuant to Section 448.095(2)(d), Fla. Stat. CONTRACTOR acknowledges that upon termination of this Agreement by the OWNER for a violation of this section by CONTRACTOR, CONTRACTOR may not be awarded a public contract for at least one (1) year. CONTRACTOR further acknowledges that CONTRACTOR is

liable for any additional costs incurred by the OWNER as a result of termination of any contract for a violation of this section.

- (5) Subcontracts. CONTRACTOR or sub-contractor shall insert in any subcontracts the clauses set forth in this section, including this subsection, requiring the sub-contractor to include these clauses in any lower tier subcontracts. CONTRACTOR shall be responsible for compliance by any sub-contractor or lower tier sub-contractor with the clauses set forth in this section.

PROPOSAL

CITY OF SANIBEL, FLORIDA
Sanibel Island Post Hurricane Ian Emergency Berm / Beach Recovery Project

November 20, 2023 @ 2:30PM

TO: CITY OF SANIBEL
Public Works Department
800 Dunlop Rd.
SANIBEL, FLORIDA 33957

Pursuant to the advertisement for bids, the undersigned having read the Specifications and examined the Drawings prepared by Humiston & Moore Engineers and the City of Sanibel for the **Sanibel Island Post Hurricane Ian Emergency Berm / Beach Recovery Project** in the City of Sanibel, Florida, and having inspected the site of work and conditions affecting and governing same, hereby proposes to provide all materials, and all equipment, tools, etc., and to perform all labor necessary for the installation as specified and described in said Specifications.

The Total Bid Price for the work based on the summation of the extensions of the unit prices on the attached itemized proposal is:

_____ Dollars (\$ _____)
(written)

TIME OF COMPLETION

The undersigned further agrees to complete the furnishings and construction of such work, ready for continuous and satisfactory operation in all respects, within project schedule **of DECEMBER 13, 2023 TO APRIL 15, 2024** following the Notice to Proceed.

TIME OF VALIDITY

It is hereby agreed that this proposal shall remain in full force and effect and may not be withdrawn for a period of sixty (60) days from the date of receiving proposals by the City of Sanibel.

BID SECURITY

The undersigned encloses herewith a certified check or cashier's check payable to the City of Sanibel, Florida or a bidder's bond bonding the undersigned and surety to the City of Sanibel, Florida in an amount not less than five percent (5%) of the total bid price as set out above, guaranteeing that the undersigned will enter into contract for the performance of the work if this proposal is accepted. It is hereby agreed that this proposal shall remain in full force and effect and may not be withdrawn for a period of sixty (60) days from the date of receiving proposals by the City of Sanibel, Florida.

ADDENDA

Receipt of Addenda Nos. _____ is hereby acknowledged.

Respectfully submitted,

Contractor

(Individual____), (Partnership____) or (Corporation____)

(SEAL)

Signed _____

Name (print) _____

Title _____

Address _____

City / State _____

Telephone _____

Fax _____

Email _____

DATE:

NOTE: The legal status of the bidder, whether as an individual, partnership or corporation, must be indicated above, and all pertinent information as required of the Specifications must be furnished.

City of Sanibel Bid Schedule

Sanibel Island Post Hurricane Ian Emergency Berm / Beach Recovery Project

November 20, 2023

BASE BID - The project shall be constructed as designed for a total design tonnage of 410,100 tons. City of Sanibel Reserves the Right to purchase sand directly from the sand mine(s). See notes below.				
Item No. & Description	Number of Units	Units	Unit Price	Subtotal
1. Mobilization/demobilization	1	job	\$	\$
2. Management of Traffic (MOT)	1	Job	\$	\$
3.a. Sand Material Cost at Mine A (Does not include sales tax)		Tons	\$	\$
3.b. Sand Fill in-place per design from Mine A (Does not include cost of sand)	Same as 3.a.	Tons	\$	\$
4.a. Sand Material Cost at Mine B (Does not include sales tax)		Tons	\$	\$
4.b. Sand Fill in-place per design from Mine B (Does not include cost of sand)	Same as 4.a.	Tons	\$	\$
5. Surveying	1	job	\$	\$
6. Debris Removal	10	18 cy Truck	\$	\$
7. Beach Access Restoration	1	job	\$	\$
				\$

Notes:

- I. Cost listed under Items 3.a. and 4.a. do not include sales tax.
- II. If proposing one sand source, place 410,100 in Number of Units for 3.a. and 3.b. and leave 4.a. and 4.b. blank.
- III. If proposing two sand sources, the Number of Units for 3.a. and 4.a. are to be provided by Bidder. Total tonnage from 3.a. + 4.a. = 410,100.
- IV. As part of Bid, Bidder must provide a letter from a responsible entity for the proposed sand mine indicating that they can produce the sand material called for in the Technical Specification (Table 1).
- V. As part of Bid, Bidder must provide proposed construction schedule assuming a start date of December 13, 2023.

City of Sanibel
Required Bid items

**Sanibel Island Post Hurricane Ian Emergency Berm / Beach Recovery
Project**

November 20, 2023

No.	Name	Page Reference
1	Bid Package in sealed envelope marked with Title of Bid, Bid Number, Name & Address of Bidder	Cover page Invitation to Bid
2	Complete proposal on form provided	Sheet A-1 Sheets P1 & P2
3	Include Certified Check or Bid Bond 5% or more of total bid price	Sheet A-1 and IB-3
4	Acknowledge issued addenda on page 2 of Proposal Form	Sheet IB-2, P2, GC-1
5	Letter or statement from Bidder's surety company it will execute and deliver a 100% Performance and Payment Bond	Sheet IB-2
6	Furnish evidence they have ability & experience, have sufficient capital and plant, and minimum 3-years of experience	Sheet IB-4
7	Complete Bid Schedule	Sheet P-3
8	Letter from Sand Mine(s) indicating ability to meet sand spec in Table 1 of Technical Specifications	Sheet P-3
9	Provide Construction Schedule assuming a start date of December 13, 2023	Sheet P-3
10	Certification Regarding Lobbying for Bid Award greater than \$100,000 (Appendix A, 44 C.F.R. Part 18, and Section 00806 HMGP Agreement)	Required Contract provisions Byrd Anti-Lobbying Amendment

SPECIMEN FORM OF CONTRACT

THIS CONTRACT, made this _____ day of _____, 2023, by and between THE CITY OF SANIBEL, FLORIDA, hereinafter called "OWNER", and _____ a Florida profit corporation, hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the covenants set forth below and other good and valuable consideration, the sufficiency and receipt of which is acknowledged, OWNER and CONTRACTOR hereby agree as follows:

1. The term "CONTRACT DOCUMENTS" means and includes the following, all of which are incorporated herein and made part of the CONTRACT:
 - A. Specifications for "Sanibel Island Post Hurricane Ian Emergency Berm/Beach Recovery Project" dated November 10, 2023, including, without limitation, all General Specifications, General Conditions, Special Provision, Required Contract Provisions, Technical Specifications, and Appendices
 - B. Bidding Documents, including Advertisement, Information to Bidders, and Addenda
 - C. CONTRACTOR'S Proposal in response to ITB-PW-3-2023/SK
 - D. This CONTRACT
 - E. Performance and Payment Bond
 - F. Notice of Award
 - G. Notice to Proceed
 - H. Change Order(s)
2. The CONTRACTOR will commence and complete the construction which includes:
"Sanibel Island Post Hurricane Ian Emergency Berm/Beach Recovery Project" as described in the CONTRACT DOCUMENTS (the "WORK")
3. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the completion of the WORK.
4. The CONTRACTOR will commence the WORK within 6 calendar days after date of the NOTICE TO PROCEED and will complete the same no later than April 15, 2024, unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.
5. The CONTRACTOR agrees to perform all of the WORK in accordance with the CONTRACT DOCUMENTS for the sum of \$_____ said amount being the total "**unit price sum / lump sum price**" as listed on the Contractor's proposal form as submitted for this project.
6. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.
7. The CONTRACT DOCUMENTS embody the entire agreement of CONTRACTOR and OWNER regarding the Work. No deviation from the CONTRACT DOCUMENTS will be allowed, honored or compensated unless accompanied by a fully executed change order.
8. This CONTRACT shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns; however, CONTRACTOR shall not assign or otherwise

transfer its rights, duties or obligations under this CONTRACT without prior written consent of OWNER.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in counterparts each of which shall be deemed an original on the date first above written.

(SEAL)

OWNER City of Sanibel

ATTEST _____

By _____

Name _____

Name _____

Title _____

Title _____

(SEAL)

CONTRACTOR: _____

ATTEST _____

By _____

Name _____

Name _____

Title _____

Title _____

Email _____

Approved as to form

City Attorney

SPECIMEN FORM OF CONTRACT
PERFORMANCE AND PAYMENT BOND

BY THIS BOND, WE

(Name of Contractor)

(Address of Contractor)

A _____, as principal, and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

a Corporation, as Surety, are bound to

(Name of Owner)

(Address of Owner)

herein called Owner, in the sum of _____
_____ Dollars, (\$_____)

for payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the Contract dated _____, **"Year"** between Principal and Owner for construction of:

the contract being made a part of this bond by reference, at the times and in the manner prescribed in the contract and;

2. Promptly makes payments to call claimants, as defined in Section 255.05 (1), Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the Contract and;
3. Pays Owner all losses, damages, expenses, costs, and attorney's fees, including appellate proceedings, that Owner sustains because of a default by Principal under the Contract and;
4. Performs the guarantee of all work and materials furnished under the Contract for the time specified in the Contract; then this bond is void; otherwise it remains in full force.

Any changes in or under the Contract Documents and compliance or non-compliance with any formalities connected with the Contract or the changes does not affect Surety's obligation under this bond.

DATED ON _____, **"Year"**.

ATTEST:

Principal

By _____

(Principal) Secretary

(SEAL)

(Witness as to Principal)

(Address)

ATTEST:

(Surety) Secretary

Surety

By _____
Attorney-in-Fact

(SEAL)

(Witness as to Surety)

(Address)

(Address)

NOTE: Date of bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute Bond.

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

PERIODIC ESTIMATE FOR PARTIAL PAYMENT

PROJECT: _____ OWNER: _____

ENGINEER: _____ CONTRACTOR: _____

PERIODIC ESTIMATE NO. _____ FOR PERIOD _____ TO _____

ANALYSIS OF ADJUSTED CONTRACT AMOUNT TO DATE

- A. Original contract amount (Col.6) _____
- B. Plus: Change Order Additions (Col.13) _____
- C. Less: Change Order Deductions (Col.16) _____
- D. Adjust contract amount to date _____

ANALYSIS OF WORK PERFORMED

- 1. Amount of original contract work performed to date (Col.8) _____
- 2. Change Order work performed to date _____
- 3. Total amount of work performed to date _____
- 4. Add: Materials stored at close of this period
(Attach detailed schedule _____)
- 5. Less: Amount retained _____ percent _____
- 6. Net amount earned on contract work to date _____
- 7. Less: Amount of previous payments _____
- 8. Balance due this payment _____

CERTIFICATION OF CONTRACTOR

According to the best of my knowledge and belief, I certify that all items and amounts shown on the face of this periodic estimate are correct; that all work has been performed and/or material supplied in full accordance with the Terms and Conditions of the Contract, and/or duly authorized deviations, substitutions, alterations, and/or additions; that this estimate is as true and correct statement of the contract account up to and including the last day of the period covered by this Periodic Estimate, and that no part of the "Balance Due This Payment" has been received:

(Contractor)

By _____
(Authorized Representative)

Title _____

RECOMMENDATION OF ENGINEER

In accordance with the contract and this Periodic Estimate for Partial Payment, the Contractor is entitled to payment in the amount shown above.

DATE: _____

By _____

PERIODIC ESTIMATE FOR PARTIAL PAYMENT

PROJECT:

OWNER:

ENGINEER:

CONTRACTOR:

PERIODIC ESTIMATE NO. _____ FOR PERIOD _____ TO _____

CONTRACT AMOUNT						COMPLETED TO DATE		
ITEM NO.	DESCRIPTION OF ITEM	QUANTITY	UNIT OF MEAS.	COST PER UNIT	TOTAL AMOUNT	QUANTITY	AMOUNT	% COM- LETE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

TOTAL

PERIODIC ESTIMATE FOR PARTIAL PAYMENT

PROJECT:

OWNER:

ENGINEER:

CONTRACTOR:

PERIODIC ESTIMATE NO. _____ FOR PERIOD _____ TO _____

SCHEDULE OF CHANGE ORDERS

CHANGE ORDER					ADDITIONS	
NO.	DATE	DESCRIPTION	AMOUNT	PERCENT COMPLETE	AMOUNT COMPLETED TO DATE	DEDUCTIONS
(10)	(11)	(12)	(13)	(14)	(15)	(16)

TOTAL

CONTRACTOR'S LETTERHEAD

CONTRACTOR'S CERTIFICATE

I, _____, the duly qualified, acting and authorized agent of the Contractor, _____ on the project, do hereby certify that we have performed all of the work set forth in strict accordance with the plans, specifications, laws and ordinances applicable thereto and do further certify that all materials and equipment listed herein have been paid for in full as allowed on all prior Estimates and, if requested to do so, will show evidence of payment for same in writing before the final payment of this Estimate No. _____.

I further certify (if this is a Final Estimate) that the amount received hereunder is considered compensation and final payment in full for all work performed under the Contract, including any amendments thereto, and upon payment of said sum, hereby release the Owner, its employees, agents, and representatives in accordance with said Contract. We further certify that we fully guarantee all work performed hereunder for a period of twelve months from the date of payment for the Final Estimate, (in accordance with the terms of our original Contract and all Amendments thereto), during which time all terms and conditions of the original Contract Documents shall remain in full force and effect, including the insurance requirements, Hold Harmless Agreement and Indemnifying Agreements as contained in said Contract Documents.

CERTIFIED TO FOR PAYMENT ON THIS _____ DAY OF _____, "Year".

CONTRACTOR'S SEAL

Contractor

BY: _____

TITLE: _____

Sworn to before me this _____ day of _____, "Year".

NOTARY

My commission expires: _____:

(NOTARY SEAL)

PROJECT: _____

OWNER: City of Sanibel

CHANGE ORDER NO. _____

TO: _____

You are hereby authorized to make the following additions and/or deductions to your contract amount.

	PREVIOUS CONTRACT AMOUNT	NET CHANGE		REVISED		CONTRACT AMOUNT
		INCREASE	DECREASE	(DEDUCT)	(ADD)	
TOTAL:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Description of Change: Add Deduct

RECOMMENDED:

APPROVED:

OWNER _____

By _____ By _____

Title _____ Date _____ Title _____ Date _____

ACCEPTED:

CONTRACTOR _____

BY _____

Title _____ Date _____

GENERAL CONDITIONS OF THE CONTRACT

SECTION 2.1 - CONTRACT DOCUMENTS

2.1.01 GENERAL:

The Contract Documents comprise the following general classifications of documents, including all additions, deletions, modifications, or other documents incorporated therein:

1. Bidding Documents
2. Contract
3. General Conditions of the Contract
4. Special Conditions
5. Specifications

2.1.02 BIDDING DOCUMENTS:

The Bidding Documents are issued by the OWNER to assist bidders in preparing their proposal include:

1. Advertisement
2. Information for Bidders
3. Proposal: The offer of a Bidder to perform the work described by the Contract Documents made out and submitted on the prescribed Proposal Form, properly signed and guaranteed.
4. Addenda to Contract Documents: Any addenda issued during the time of bidding, or forming a part of the Contract Documents loaned to the Bidder for the preparation of his Proposal, shall be covered in the Proposal, and shall be made a part of the Contract. Receipt of each Addendum shall be acknowledged in the Proposal.

2.1.03 CONTRACT:

The Contract defines the "Contract Documents" and covers the performance of the work described in the Contract Documents including all supplemental addenda thereto and all general and special provisions pertaining to the work or materials.

2.1.04 GENERAL CONDITIONS OF THE CONTRACT:

The General Conditions of the Contract outline certain general responsibilities of the OWNER and the CONTRACTOR (who are the parties to the Contract) and those responsibilities delegated by the OWNER to the Engineer who acts as the agent of the OWNER.

1. Definitions: Wherever the words hereinafter defined, or pronouns used in their stead, occur in these specifications and contract documents, they shall have the meanings herein given:
 - A. The word "OWNER" shall mean the municipality, person, firm, or corporation as specified in the Advertisement for Bids, for whom the work is to be done.

- B. The word "CONTRACTOR" shall mean the person, firm, or corporation entering into a contract with the OWNER to construct and complete the work as herein specified, set out and shown.
- C. The word "sub-contractor" shall mean a person, firm, or corporation, other than a CONTRACTOR, supplying labor and materials or labor for work at the site of the project.
- D. The word "Engineer" shall mean the project engineer as designated by the OWNER.

2.1.05 SPECIAL CONDITIONS:

Special Conditions are special provisions not included in the General Conditions of the Contract, which apply to this specific project.

2.1.06 DRAWINGS AND SPECIFICATIONS:

The intent of the Drawings and Specifications is that the CONTRACTOR shall furnish all labor, materials, equipment, and transportation necessary for the proper execution of the work, unless specifically noted otherwise. The CONTRACTOR shall do all the work outlined in the Contract Documents and all incidental work necessary to complete the project in a substantial and acceptable manner, and fully complete the work or improvement, operational and ready for occupancy by the OWNER.

- 1. Discrepancies: Any discrepancies found between the Drawings and Specifications and site conditions or any inconsistencies or ambiguities in the Drawings and Specifications shall be immediately reported to the Engineer, who shall promptly correct such inconsistencies or ambiguities in writing. Any work done by the CONTRACTOR after his discovery of such discrepancies, inconsistencies, or ambiguities shall be done at the CONTRACTOR'S risk.
- 2. Adequacy: Responsibility for adequacy of the design and for sufficiency of the Drawings and Specifications shall be borne by the OWNER. The complete requirements of the work to be performed under the Contract shall be set forth in Drawings and Specifications to be supplied by the OWNER through the Engineer or by the Engineer as representative of the OWNER. The Drawings and Specifications shall be considered inseparable documents; and in considering them, the CONTRACTOR shall rely upon both instruments in order to perform the work in accordance with their combined intent.
- 3. Additional Instructions: Further instructions may be issued by the Engineer during the progress of the work by means of Drawings, or otherwise to make more clear or specific the Drawings and Specifications or as may be necessary to explain or illustrate changes in the work to be done. Where said correction of errors or omissions, except as provided in the next two paragraphs below, adds to the amount of work to be done by the CONTRACTOR, compensation for said additional work shall be made under the item for Extra Work except where the additional work may be classed under some item of work for which a unit price is included in the proposal.
- 4. The fact that specific mention of the fixture, or of any part of work, is omitted in the specifications, whether intentionally or otherwise, when the same is clearly shown or indicated on the drawings, or is usually and customarily required to fully complete such work as is specified herein, will not entitle the CONTRACTOR to consideration in the matter

of any claim for extra compensation, but the said fixtures or work or both must be installed or done the same as if called for by both drawings and specifications.

5. All work indicated on the drawings and not mentioned in the specifications or vice versa, and all work and material usual and necessary to make work complete in all its parts, whether or not they are indicated on the drawings or mentioned in the specifications, shall be furnished and executed the same as if they were called for by both the drawings and specifications.
6. Plans and Specifications: The Engineer may furnish the CONTRACTOR up to 5 sets of plans and specifications covering this project at no cost to the CONTRACTOR. For each set of plans and specifications furnished to the CONTRACTOR, or any of his sub-contractor's, in excess of this number, the CONTRACTOR shall be billed at actual cost of printing and delivery.
7. Dimensions: Only figured dimensions on the Drawings will be used by the CONTRACTOR. Where the work of the CONTRACTOR is affected by finish dimensions, these shall be determined by the CONTRACTOR at the site, and he shall assume the responsibility, therefore.

2.1.07 CONTRACT DOCUMENTS FOR THE USE OF THE ENGINEER:

The CONTRACTOR shall maintain one complete set of the Contract Documents at the job site which shall always be available to the Engineer and upon which the CONTRACTOR shall record all changes and field adjustments. The CONTRACTOR shall keep one copy of plans, shop drawings, and supplemental drawings at the site in good order and annotated to show all changes made during construction. An as-built survey of the project shall be performed and submitted to OWNER prior to final acceptance. The survey shall be conducted in accordance with the standards set forth in Chapter 472 of the Florida Statutes and the Minimum Technical Standards for such survey as specified in Chapter 61G17 of the Florida Administrative Code. The cost of the survey shall be borne by the CONTRACTOR.

SECTION 2.2 - OWNER-CONTRACTOR-ENGINEER RELATIONS

2.2.01 OWNER'S RIGHTS AND RESPONSIBILITIES:

1. Lands by OWNER: The OWNER will provide the lands shown on the Drawings or described in the Specifications upon which the work under the Contract is to be performed and to be used for right-of-way for access. Any delay in furnishing these lands by the OWNER will be deemed proper for adjustment in the Contract Amount and in the time of completion.
2. Base Lines and Bench Marks: Unless otherwise specified, the OWNER will establish base lines, and bench marks.
3. OWNER'S Right to Correct Deficiencies: Upon failure to perform the work in accordance with the Contract Documents, including any requirements with respect to the Schedule of Completion, and after five days' written notice to the CONTRACTOR, the OWNER may, without prejudice to any other remedy he may have, correct such deficiencies in work intended to become a permanent part of the project. The cost to correct such deficiencies may be deducted from the payment due the CONTRACTOR.

4. Suspension of Work by OWNER: The OWNER shall have the authority to suspend the work, wholly or in part, for such period or periods as he may deem necessary due to unsuitable weather or such other conditions as are considered unfavorable to carry out the provisions of the Contract, or to supply materials meeting the requirements of the Contract Documents.
 - A. Notice: The work or any portion thereof may be suspended at any time by the OWNER provided that he gives the CONTRACTOR five days' notice of suspension which shall set forth the date on which work is to be resumed. The CONTRACTOR shall resume the work upon written notice from the OWNER and within ten days after the date set forth in the notice of suspension. If the OWNER does not give written notice to resume work within ten days of the date fixed in the notice of suspension, the CONTRACTOR may abandon that portion of the work so suspended and shall be entitled to payment in accordance with Paragraph 2.6.09, Payment for Work Suspended by the OWNER.
 - B. In case of any suspensions, the time in which the CONTRACTOR is required to complete the work shall be extended as many working days as the same is suspended; provided, however, that if the work is suspended on account of failure on the part of the CONTRACTOR to comply with specifications, such extensions of time will not be allowed.
5. OWNER'S Right to Terminate Agreement and Complete the Work: The OWNER shall have the right to terminate his agreement with the CONTRACTOR after giving ten days' written notice of termination to the CONTRACTOR in the event of any default by the CONTRACTOR.
 - A. Default by CONTRACTOR: It shall be considered a default by the CONTRACTOR whenever he shall:
 - (i) Declare bankruptcy, become insolvent, or assign his assets for the benefit of his creditors.
 - (ii) Disregard or violate provisions of the Contract Documents or fail to prosecute the work according to the agreed Schedule of Completion, including extensions thereof.
 - (iii) Fail to provide a qualified superintendent, competent workmen or sub-contractor's, or proper materials, or fail to make prompt payment, therefore.
 - B. Completion by the OWNER: In the event of termination of the Agreement by the OWNER because of default by the CONTRACTOR, the OWNER may take possession of the work and of all materials and equipment thereon and may finish the work by whatever method and means he may select.

2.2.02 CONTRACTOR'S RIGHTS AND RESPONSIBILITIES:

All work shall be done in strict accordance with the Contract Documents. Observations, construction reviews, tests, recommendations or approvals by the Engineer or persons other than the CONTRACTOR, shall in no way relieve the CONTRACTOR of his obligation to complete all work in accordance with the Contract Documents. All work shall be done under the direct supervision of the

CONTRACTOR. The CONTRACTOR shall be responsible for construction means, methods, techniques and procedures, and for providing a safe place for the performance of the work by the CONTRACTOR, Sub-contractor's, suppliers and their employees, and for access use, work or occupancy by all authorized persons. The CONTRACTOR shall be responsible for all obligations prescribed as employer obligations under Chapter XVII of Title 29, Code of Federal Regulations, Part 1926, otherwise known as "Safety and Health Regulations for Construction".

1. Lands by CONTRACTOR: Any land and access thereto not specifically shown to be furnished by the OWNER that may be required for temporary construction facilities or for storage of materials shall be provided by the CONTRACTOR with no liability to the OWNER. The CONTRACTOR shall confine his apparatus and storage to such additional areas as he may provide at his expense.
 - A. Private and Public Property: The CONTRACTOR shall not enter upon private property for any purpose without obtaining permission; and he shall be responsible for the preservation of all public property, trees, monuments, structures, and improvements, along and adjacent to the street and/or right-of-way and shall use every precaution necessary to prevent damage or injury thereto. He shall use suitable precautions to prevent damage to pipes, conduits, and other underground structures, and shall protect carefully from disturbance or damage all monuments and property marks until an authorized agent has witnessed or otherwise referenced their location and shall not remove them until directed.
2. Surveys: Based upon the information provided by the OWNER, the CONTRACTOR shall develop and make all detailed surveys necessary for construction, including slope stakes, batter boards, stakes for pile locations and other working point lines, and elevations. The CONTRACTOR shall carefully preserve bench marks, reference points and stakes; and, in the case of destruction thereof by the CONTRACTOR or resulting from his negligence, the CONTRACTOR shall be charged with the expense and damage resulting there from and shall be responsible for any mistakes that may be caused by the loss or disturbance of such bench marks, reference points, and stakes.
3. Public Utilities: The elevation and location of all public utilities shown on the Drawings were taken from existing public records. It shall be the duty of the CONTRACTOR to make final and exact determination of the location and extent of all utilities, and he will be liable for any expense resulting from damage to them.
4. Superintendent: A qualified superintendent, who is acceptable to the OWNER, shall be maintained on the work and give efficient supervision to the work until its completion. The superintendent shall have full authority to act in behalf of the CONTRACTOR, and all instruction given to the superintendent shall be considered as given to the CONTRACTOR. It shall be the responsibility of this CONTRACTOR's superintendent to coordinate the work of all the sub-contractor's. The superintendent shall be present on the site at all times required to perform adequate supervision and coordination.
5. Subcontracts: At the time set forth in the Contract Documents or when requested by the OWNER, the CONTRACTOR shall submit in writing for review of the OWNER the names of the sub-contractor's proposed for the work. Sub-contractor's may not be changed, except at the request or with the approval of the OWNER. The CONTRACTOR is responsible to the OWNER for the acts and deficiencies of his sub-contractor's, and of their direct and indirect employees, to the same extent as he is responsible for the acts and deficiencies of his employees. The Contract Documents shall not be construed as creating

any contractual relation between any sub-contractor and the OWNER. The CONTRACTOR shall bind every sub-contractor by the terms of the Contract Documents.

A. For convenience of reference and to facilitate the letting of Contracts and Subcontracts, the Specifications are separated into titled sections. Such separation shall not, however, operate to make the OWNER or the Engineer an arbiter to establish limits to the contracts between CONTRACTOR and sub-contractor.

6. CONTRACTOR'S Right to Suspend Work or Terminate Agreement: CONTRACTOR may suspend work or terminate his Agreement with the OWNER upon ten days' written notice to the OWNER for any of the following reasons:

A. If an order of any court or other public authority caused the work to be stopped or suspended for a period of 90 days through no act or fault of the CONTRACTOR or his employees.

B. If the OWNER should fail to pay the CONTRACTOR any sum within 45 days after its award by arbitrators.

7. Work During an Emergency: The CONTRACTOR shall perform any work and shall furnish and install any materials and equipment necessary during an emergency endangering life or property. In all cases, he shall notify the OWNER of the emergency as soon as practicable, but he shall not wait for instruction before proceeding to properly protect both life and property.

2.2.03 RESPONSIBILITY OF THE ENGINEER:

The Engineer shall decide questions which may arise as to the quality and acceptability of materials furnished, work performed, rate of progress of work, interpretation of Drawings and Specifications, and all questions as to the acceptable fulfillment of the Agreement on the part of the CONTRACTOR. The duties and responsibilities of the Engineer as set forth herein shall not be extended, except through written consent of the Engineer and the OWNER.

1. Observation of the Work: All materials and each part or detail of the work shall always be subject to observation by the Engineer and the OWNER; and the CONTRACTOR will be held strictly to the intent of the Contract Documents in regard to quality of materials, workmanship, and the diligent execution of the Contract. Observations may be made at the site or at the source of material supply, whether mill, plant, or shop. The Engineer shall be allowed access to all parts of the work and shall be furnished with such information and assistance by the CONTRACTOR as is required to make his observations and construction review.

2. Acceptability of Work: The Engineer's decision as to the acceptability or adequacy of the work shall be final and binding upon the CONTRACTOR. The CONTRACTOR agrees to abide by the Engineer's decision relative to the performance of the work.

3. Engineer's Decisions: All claims of the OWNER or the CONTRACTOR shall be presented to the Engineer for decision which shall be final, except in cases where time and/or financial considerations are involved, which shall be subject to arbitration.

2.2.04 ORAL AGREEMENTS:

No oral order, objection, claim, or notice by any party to the others shall affect or modify any of the terms or obligations contained in any of the Contract Documents; and none of the provisions of the Contract Documents shall be held to be waived or modified by reason of any act whatsoever, other than a definitely agreed waiver or modification thereof in writing; and no evidence shall be introduced in any proceeding of any other waiver or modification.

2.2.05 OBSERVATION OF COMPLETED WORK

The CONTRACTOR shall remove or uncover such portions of the completed work as may be directed by the OWNER at any time before acceptance of the work. After examination, the CONTRACTOR shall restore the work to the standard required by the Contract Documents. Should the work thus exposed or examined prove acceptable, the uncovering or removing and the restoring of the work shall be paid for as Extra Work; but should the work exposed or examined prove unacceptable, the uncovering, removing, and restoring of the work shall be at the CONTRACTOR'S expense.

2.2.06 WORK BY OWNER OR OTHER CONTRACTOR'S:

1. Separate Contracts: The OWNER may let other contracts in connection with the work of the CONTRACTOR. The CONTRACTOR shall cooperate with other CONTRACTOR'S regarding storage of materials and execution of their work. It shall be the CONTRACTOR'S responsibility to inspect all work by other CONTRACTOR'S affecting his work and to report to the OWNER any irregularities which will not permit him to complete his work in a satisfactory manner. His failure to notify the OWNER of such irregularities shall indicate the work of other CONTRACTOR'S has been satisfactorily completed to receive his work. The CONTRACTOR shall not be responsible for defects of which he could not have known, which develop in the work of others after the work is completed. It shall be the responsibility of the CONTRACTOR to measure the completed work in place and report to the OWNER immediately any difference between completed work by others and the provisions of the Contract Documents.
2. Written Agreement: Whenever work being done by the OWNER through his own employees or through other CONTRACTOR'S is contiguous to work covered by the Contract Documents, the respective rights of the various interests involved shall be established by written agreement to secure the completion of the various portions of the work in general harmony.

2.2.07 SECTION DELETED

2.2.08 NIGHT AND SUNDAY WORK:

No night or Sunday work requiring the presence of an Engineer or Inspector will be permitted, except in case of emergency and then only to such an extent as it is absolutely necessary and with written approval of the Engineer, provided that the clause shall not operate in case of a gang organized for regular and continuous night work, and on work which, in the opinion of the Engineer, can be performed satisfactorily at night or on Sunday.

SECTION 2.3 - MATERIALS, EQUIPMENT, AND WORKMANSHIP

2.3.01 MATERIALS AND EQUIPMENT:

The materials and equipment installed in the work shall meet the requirements of the Contract Documents, and no materials or equipment shall be ordered until reviewed by the Engineer. All materials and equipment not otherwise specifically indicated shall be furnished by the CONTRACTOR. The CONTRACTOR shall guarantee all materials and equipment he provides in accordance with Paragraph 2.3.08.

1. Substitutions: In order to establish standards of quality, the Engineer has, in the detailed Specifications, referred to certain products by name and catalog number. This procedure is not to be construed as eliminating from competition other products of equal or better quality by other manufacturers where fully suitable in design.
 - A. The CONTRACTOR shall furnish the complete list of proposed desired substitutions prior to signing of the Contract, together with such engineering and catalog data as the Engineer may require.
 - B. The CONTRACTOR shall abide by the Engineer's recommendation when proposed substitute materials or items of equipment are not recommended for installation and shall furnish the specified material or item of equipment in such case. All proposals for substitutions shall be submitted in writing by the General CONTRACTOR and not by individual trades or material suppliers. The Engineer will review proposed substitutions and make his recommendations in writing within a reasonable time.
2. Space Requirements: It shall be the responsibility of the CONTRACTOR to ensure that materials and equipment to be furnished fit the space available. He shall make necessary field measurements to ascertain space requirements, including those for connections and shall order such sizes and shapes of equipment that the final installation shall suit the true intent and meaning of the Contract Documents.
3. Arrangement: Where equipment requiring different arrangement of connections from those shown is approved, it shall be the responsibility of the CONTRACTOR to install the equipment to operate properly, and in harmony with the intent of the Contract Documents, and to make all changes in the work required by such arrangement.
4. Unacceptable Materials and Equipment: Materials and equipment which do not conform to the requirements of the Contract Documents, are not equal to samples reviewed by the Engineer, or are in any way unsatisfactory or unsuited to the purpose for which they are intended, shall not be furnished nor installed.
5. Storage: Materials and equipment shall be so stored as to insure the preservation of their quality and fitness for the work. When considered necessary, they shall be placed on wooden platforms or other hard, clean surfaces, and not on the ground, and/or they shall be placed under cover. Stored materials and equipment shall be located to facilitate prompt inspection. Private property shall not be used for storage purposes without the written permission of the OWNER or lessee.

6. Manufacturer's Directions: Manufactured articles, materials, and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned as directed by the manufacturer.

2.3.02 SAMPLES:

All samples called for in the Specifications or required by the Engineer shall be furnished by the CONTRACTOR and shall be submitted to the Engineer for his review. Samples shall be furnished so as not to delay fabrication, allowing the Engineer reasonable time for the consideration of the samples submitted.

1. Samples for Tests: CONTRACTOR shall furnish such samples of material as may be required for examination and test. All samples of materials for tests shall be taken according to standard methods or as provided in the Contract Documents.
2. CONTRACTOR'S Guaranty: All samples shall be submitted by the CONTRACTOR with a covering letter indicating that such samples are recommended by the CONTRACTOR for the service intended and that the CONTRACTOR'S Guaranty will fully apply.
3. All materials, equipment, and workmanship shall be in accordance with samples guaranteed by the CONTRACTOR and reviewed by the Engineer.

2.3.03 SHOP DRAWINGS:

The CONTRACTOR shall provide shop drawings, setting schedules and such other drawings as may be necessary for the prosecution of the work in the shop and in the field as required by the Drawings, Specifications, or the Engineer's instructions. Deviations from the Drawings and Specifications shall be called to the attention of the Engineer at the time of the first submission of shop drawings and other drawings for consideration. The Engineer's review of any drawings shall not release the CONTRACTOR from responsibility for such deviations. Shop drawings shall be submitted according to a schedule prepared jointly by the CONTRACTOR and the Engineer.

1. CONTRACTOR'S Certification: When submitted for the Engineer's review, shop drawings shall bear the CONTRACTOR'S certification that he has reviewed, checked, and approved the shop drawings; that they are in harmony with the requirements of the Project and with the provisions of the Contract Documents; and that he has verified all field measurements and construction criteria, materials, catalog numbers, and similar data. CONTRACTOR shall also certify that the work represented by the shop drawings is recommended by the CONTRACTOR and the CONTRACTOR'S Guaranty will fully apply.

2.3.04 EQUIPMENT DATA:

The CONTRACTOR shall submit for the Engineer's review complete catalog data for every manufactured item of equipment and all components to be used in the work, including specific performance data, material description, rating, capacity, working pressure, material gage or thickness, brand name, catalog number, and general type. This submission shall be compiled by the CONTRACTOR and reviewed by the Engineer before any of the equipment is ordered.

1. Index: Each data sheet or catalog in the submission shall be indexed according to specification section and paragraph for each reference.

2. Relation to Contract Documents: Catalog data for equipment reviewed by the Engineer shall not supersede the Engineer's Contract Documents. The review of the Engineer shall not relieve the CONTRACTOR from responsibility for deviations from Drawings or Specifications, unless he has in writing called the Engineer's attention to such deviations at the time of submission, nor shall it relieve him from responsibility for error of any sort in the items submitted. The CONTRACTOR shall check the work described by the catalog data with the Engineer's Contract Documents for deviations and errors.
3. CONTRACTOR'S Certification: Equipment data shall be submitted by the CONTRACTOR with a covering letter indicating that he has reviewed, checked and approved the data submitted; that they are in harmony with the requirements of the project and with the provisions of the Contract Documents; and that he has verified all field measurements and construction criteria, materials, catalog numbers, and similar data. CONTRACTOR shall also certify that the work represented by the shop drawings is recommended by the CONTRACTOR and that his Guaranty will fully apply.

2.3.05 REJECTED WORK AND MATERIALS:

Any defective work whether the result of poor workmanship, use of defective materials, damage through carelessness or any other cause shall be removed within ten days after written notice is given by the OWNER, and the work shall be re-executed by the CONTRACTOR. The fact that the Engineer may have previously overlooked such defective work shall not constitute an acceptance of any part of it.

1. Should the CONTRACTOR fail to remove rejected work or materials within ten days after written notice to do so, the OWNER may remove them and may store the materials.
2. Correction of faulty work after final payment shall be in accordance with Paragraph 2.5.12.

2.3.06 CUTTING AND PATCHING:

The CONTRACTOR shall do all necessary cutting and patching of the work that may be required to properly receive the work of the various trades or as required by the Drawings and Specifications to complete the structure. He shall restore all such cut or patched work as approved by the Engineer. Cutting of existing structure that may endanger the work, adjacent property, workmen, or the public shall not be done.

2.3.07 CHARACTER OF WORKMEN:

The CONTRACTOR shall always be responsible for the conduct and discipline of his employees and/or any sub-contractor or persons employed by sub-contractor's. All workmen must have sufficient knowledge, skill, and experience to perform properly the work assigned to them. Any foreman or workman employed by the CONTRACTOR or sub-contractor who does not perform his work in a skillful manner or appears to be incompetent or to act in a disorderly or intemperate manner shall, at the written request of the OWNER, be discharged immediately and shall not be employed again in any portion of the work without the approval of the OWNER.

2.3.08 GUARANTY:

The CONTRACTOR shall guarantee all materials and equipment furnished and work performed for a period of one year from the date of written acceptance of the work.

1. Correction of faulty work after final payment shall be as provided in Paragraph 2.5.12.

2.3.09 A.S.T.M. DESIGNATION:

Wherever the letters "A.S.T.M." are used in these specifications, it shall be understood as referring to the American Society for Testing Materials. When reference is made to a certain Designation Number of a specification or test as set out or given by the American Society of Testing Materials, it shall be understood to mean the current, up-to-date standard specification or tentative specification for that particular process, material, or test as currently published by that group.

SECTION 2.4 – INSURANCE, LEGAL RESPONSIBILITY, AND SAFETY

2.4.01 INSURANCE:

CONTRACTOR shall purchase and maintain such comprehensive general liability and other insurance as well as provide protection from claims set forth below which may arise out of or result from CONTRACTOR'S performance of the Work and CONTRACTOR'S other obligations under the Contract Documents, whether such performance is by CONTRACTOR, by any sub-contractor, by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable. All insurance policies shall be with insurers qualified to do business in the state of the Project location.

1. Types: The types of insurance the CONTRACTOR is required to obtain and maintain for the full period of the Contract will be: Workmen's Compensation and Employer's Liability, Comprehensive General Liability and Automobile Liability, U.S.L. & H. coverage (if applicable), Jones Act (if applicable) and an Excess Liability Umbrella Insurance as detailed in the following specifications.
2. Evidence: As evidence of specified insurance coverage, the OWNER may, in lieu of actual policies, accept a Certificate of Insurance on Accord Form 25 issued by the insurance carrier showing such policies in force for the specified period. Each policy or certificate will bear an endorsement or statement waiving right of cancellation or reduction in coverage without ten days notice in writing to be delivered by registered mail to the OWNER. Should any policy be canceled before final payment by the OWNER to the CONTRACTOR and the CONTRACTOR fails immediately to procure other insurance as specified, the OWNER reserves the right to procure such insurance and to deduct the cost thereof from any sum due the CONTRACTOR under this Contract.
3. Adequacy of Performance: Any insurance bearing on adequacy of performance shall be maintained after completion of the project for the full guaranty period. Should such insurance be canceled before the end of the guaranty period and the CONTRACTOR fails immediately to procure other insurance as specified, the OWNER reserves the right to procure such insurance and to charge the cost thereof to the CONTRACTOR.
4. Payment of Damages: Nothing contained in these insurance requirements is to be construed as limiting the extent of the CONTRACTOR'S responsibility for payment of damages resulting from his operations under this Contract.

2.4.02 COMPREHENSIVE GENERAL LIABILITY INSURANCE:

1. General liability insurance shall provide full comprehensive form coverage for both bodily injury and property damage. Such coverage shall include premises-operations, underground hazard, products/completed operations hazard, contractual insurance, broad

form property damage, independent CONTRACTOR'S, and personal injury. The limits for bodily injury shall be \$500,000 each occurrence and \$500,000 aggregate. The limits for property damage shall be \$100,000 each occurrence and \$100,000 aggregate.

2. Automobile liability insurance shall provide full comprehensive form coverage for both bodily injury and property damage. Such coverage shall include owned, hired, and non-owned vehicles. The limits for bodily injury shall be \$500,000 each person and \$500,000 each accident. The limits for property damage shall be \$100,000.
3. Excess liability insurance shall provide an umbrella form coverage for both bodily injury and property damage combined with a minimum limit of \$2,000,000.
4. Indemnity: Included in such insurance will be contractual coverage sufficiently broad to insure the OWNER, the Engineer, their consultants and each of their officers, agents, and employees as additional insured under the General Liability Policy. See Paragraph 2.4.05 below for provisions of Indemnity.

2.4.03 WORKMEN'S COMPENSATION INSURANCE:

CONTRACTOR'S shall provide the statutory Workmen's Compensation and Employer's Liability Insurance requirements of the most current and applicable state Workmen's Compensation Insurance Laws.

2.4.04 DELETED

2.4.05 INDEMNITY:

The CONTRACTOR (sub-contractor) hereinafter "Indemnitor", hereby agrees to indemnify, save and hold harmless, and defend at its own expense the Engineer, OWNER, their respective partners, agents, employees, and anyone else acting for or on behalf of any of them, and any other person or entity for whom any of them may be legally responsible (herein collectively called "Indemnities") from all claims, losses, damages, suits, costs and expenses, including attorneys' fees, or actions of any nature whatsoever which arise out of or are connected with, or are alleged to arise out of or be connected with, the Work to be performed herein; including without limiting the generality of the foregoing, all liability for damages, loss, claims, demands, and actions arising or alleged to arise from injury including death, damage to property including the loss of use thereof and consequential damages therefrom, or damages arising out of economic loss, to any person or entity including any Indemnatee or Indemnitor or its employees, servants and agents whether based upon, or claimed to be based upon, statutory (including without limiting the generality of the foregoing, workmen's compensation), contractual, tort or other liability of any Indemnatee whether or not caused, or alleged to be caused, in whole or in part, by the joint, several or sole negligence, breach of contract, breach of warranty, strict liability, or other breach of duty by any Indemnatee, its partners, employees, agents, and anyone else for or on behalf of any of them, or any other person for whom any Indemnatee may be responsible.

In the event more than one Indemnitor is responsible or alleged to be responsible in respect to an accident or occurrence covered by this indemnification, then all of such Indemnitor shall be jointly and severally responsible to the Indemnities for indemnification shall be settled by separate proceedings and without jeopardy to any Indemnatee.

The indemnity provided hereunder shall not include indemnification of the Engineer in respect to claims arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or specifications, or (2) the giving of or the failure to give directions or instructions by

the Engineer, his agents or employees; provided that such giving or failure to give is a primary cause of the injuries and damages.

If any part of these indemnity provisions is adjudged to be contrary to law, the remaining parts of these provisions shall in all other respects be and remain legally effective and binding. Moreover, these indemnity provisions shall not be construed to eliminate or in any way reduce any other indemnification or right which the Engineer and OWNER has by law.

2.4.06 WAIVER OF SUBROGATION:

The OWNER and the CONTRACTOR waive all rights against (1) each other and other sub-contractor's, agents, and employees of each other, and (2) the Engineer and separate CONTRACTOR'S, if any, and their sub-contractor's, agents, and employees, for damages caused by fire or other perils to the extent covered by insurance obtained pursuant to this Section 2.4 or any other property insurance applicable to the work, except such rights as they may have to the proceeds of such insurance held by the OWNER as trustees. The OWNER or the CONTRACTOR, as appropriate, shall require of the Engineer, separate CONTRACTOR'S and sub-contractor's by appropriate agreements, written where legally required for validity, similar waivers each in favor of all other parties enumerated in this subparagraph 2.4.06.

2.4.07 PATENTS AND ROYALTIES:

If any design, device, material, or process covered by letters, patent or copyright is used by the CONTRACTOR, he shall provide for such use by legal agreement with the OWNER of the patent or a duly authorized licensee of such OWNER, and shall save harmless the OWNER and the Engineer from any and all loss or expense on account thereof, including its use by the OWNER.

2.4.08 PERMITS:

All permits and licenses (except as listed hereafter) necessary for the prosecution of the work shall be secured and paid for by the CONTRACTOR. The permits for construction within or across the property, rights-of-way, or easements of highways, railroads, gas lines, electric power transmission lines, water lines, telephone lines, telegraph lines, levees, or other utilities shall be secured and paid for by the OWNER. City of Sanibel Building Dept. permit fees shall be paid for by the OWNER.

2.4.09 LAWS TO BE OBSERVED:

The CONTRACTOR shall give all notices and comply with all Federal, State, and local laws, ordinances, and regulations in any manner affecting the conduct of the work, and all such orders and decrees as exist, or may be enacted by bodies or tribunals having any jurisdiction or authority over the work, and shall indemnify and save harmless the OWNER and the Engineer against any claim or liability arising from, or based on, the violation of any such law, ordinance, regulation, order or decree, whether by himself or his employees. If any discrepancy or inconsistency is discovered in the plans, drawings, specifications, or contract for this work in relation to any such law, ordinance, regulations, order or decree, the CONTRACTOR shall forthwith report the same to the Engineer in writing.

1. Each and every provision of law and clause required by law to be inserted in this contract shall be deemed to be inserted herein; and the contract shall be read and enforced as though it were included herein and, if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party, the contract shall forthwith be physically amended to make such insertion. This shall include but not be limited to the Occupational Safety and Health Act of 1970.

2.4.10 WRITTEN NOTICE:

Written notice shall be considered as served when delivered in person or sent by registered mail to the individual, firm, or corporation, or to the last business address of such known to him who serves the notice.

1. Change of Address: It shall be the duty of each party to advise the other parties to the Contract as to any change in his business address until completion of the Contract.

2.4.11 ASSIGNMENT OF CONTRACT:

Neither the CONTRACTOR nor the OWNER shall sublet, sell, transfer, assign, or otherwise dispose of the Contract or any portion thereof, or of his right, title, or interest therein, or his obligations thereunder, without written consent of the other party.

2.4.12 ORAL AGREEMENTS:

No oral order, objection, claim, or notice by any party to the others shall affect or modify any of the terms or obligations contained in any of the Contract Documents; and none of the provisions of the Contract Documents shall be held to be waived or modified by reason of any act whatsoever, other than by a definitely agreed waiver or modification thereof in writing, and no evidence shall be introduced in any proceeding of any other waiver or modification.

2.4.13 WORK DURING AN EMERGENCY:

The CONTRACTOR shall perform any work and shall furnish and install any materials and equipment necessary during an emergency endangering life or property. In all cases he shall not wait for instructions before proceeding to properly protect both life and property.

2.4.14 WARNING SIGNS AND BARRICADES:

The CONTRACTOR shall provide adequate signs, barricades, warning lights, and watchmen and take all necessary precautions for the protection of the work and the safety of the public. All barricades and obstructions shall be protected at night by suitable signal lights which shall be kept burning from sunset to sunrise. Barricades shall be of substantial construction and shall be painted such as to increase their visibility at night. Suitable warning signs shall be so placed and illuminated at night as to show in advance where construction, barricades, or detours exist.

2.4.15 PUBLIC CONVENIENCE:

The CONTRACTOR shall at all times so conduct his work as to insure the least possible obstruction to traffic and inconvenience to the general public and the residents in the vicinity of the work, and to insure the protection of persons and property. No road or street shall be closed to the public, except with the permission of the proper authorities. Fire hydrants on or adjacent to the work shall always be kept accessible to fire-fighting equipment. Temporary provisions shall be made by the CONTRACTOR to ensure the use of sidewalks and the proper functioning of all gutters, sewer inlets, drainage ditches, and irrigation ditches, which shall not be obstructed.

2.4.16 SAFETY:

In accordance with general accepted construction practices, the CONTRACTOR shall be solely and completely responsible for conditions of the job site, including safety of all persons and property affected

directly or indirectly by his operations during the performance of the work. This requirement will apply continuously 24 hours per day until acceptance of the work by the OWNER and shall not be limited to normal working hours.

1. The duty of the Engineer to conduct construction review of the CONTRACTOR'S performance is not intended to include review of the adequacy of the CONTRACTOR'S safety measures in, on, or near the construction site.

2.4.17 EXISTING CONSTRUCTION:

When new construction is adjacent to or crosses highways, railroads, streets, or utilities under the jurisdiction of State, County, City, or other public agency, public utility, or private entity, the OWNER shall secure written permission from the proper authority before executing such new construction. The CONTRACTOR shall satisfy himself that the OWNER has secured written permission before any work is done. The CONTRACTOR shall acquaint himself with and shall execute the work in accordance with any and all requirements of the written permit. The CONTRACTOR shall replace or repair all existing construction damaged in the execution of this Contract. The CONTRACTOR will be required to furnish a release from the proper authority before final acceptance of the work.

2.4.18 SANITARY PROVISIONS:

The CONTRACTOR shall provide and maintain such sanitary accommodations for the use of his employees and those of his sub-contractor's as may be necessary to comply with the requirements and regulations of the local and state departments of health.

2.4.19 NONDISCRIMINATION IN EMPLOYMENT:

The CONTRACTOR agrees:

1. That in the hiring of employees for the performance of work under this contract or any subcontract hereunder, no CONTRACTOR, or sub-contractor, shall, by reason of race, religion, color, sex, national origin or ancestry, discriminate against any citizen who is qualified and available to perform the work to which the employment relates;
2. That no CONTRACTOR, sub-contractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under this contract on account of race, religion, color, sex, national origin or ancestry;
3. The CONTRACTOR agrees to comply with any Federal, State, or local law with respect to nondiscrimination in employment.

SECTION 2.5 - PROGRESS AND COMPLETION OF WORK

2.5.01 NOTICE TO PROCEED:

Following the execution of the Contract by the OWNER and the CONTRACTOR, written Notice to Proceed with work shall be given by the OWNER to the CONTRACTOR. The CONTRACTOR shall begin and shall prosecute the work regularly and uninterruptedly thereafter and not before (except as provided for herein) with such force as to secure the completion of the work within the Contract Time.

2.5.02 CONTRACT TIME:

The CONTRACTOR shall complete, in an acceptable manner, all of the work contracted for in the time stated herein. Computation of Contract Time shall commence on the day specified in the Notice to Proceed and every calendar day following, except as herein provided, shall be counted as Contract Time.

2.5.03 SCHEDULE OF COMPLETION:

The CONTRACTOR shall submit, at such times as may reasonably be requested by the Engineer, schedules showing the order in which the CONTRACTOR proposes to carry on the work, with dates at which the CONTRACTOR will start the various parts of the work, and estimated date of completion of each part.

2.5.04 CHANGES IN THE WORK:

The OWNER may, as the need arises, order changes in the work through additions, deletions, or modifications to the extent of 25% of the original Contract Amount, without invalidating the Contract. Compensation and time of completion affected by the change shall be adjusted at the time of ordering such change.

2.5.05 EXTRA WORK:

New and unforeseen items of work found to be necessary and which cannot be covered by any item or combination of items for which there is a Contract price, shall be classed as Extra Work. The CONTRACTOR shall do such Extra Work and furnish such materials as may be required for the proper completion or construction of the whole work contemplated, upon written order from the OWNER as approved by the Engineer. In the absence of such written order, no claim for Extra Work shall be considered. Extra Work shall be performed in accordance with these Contract Documents where applicable and work not covered by such shall be done in accordance with the best construction practice and in a workmanlike manner. Extra Work required in an emergency to protect life and property shall be performed by the CONTRACTOR as required.

2.5.06 EXTENSION OF CONTRACT TIME:

A delay beyond the CONTRACTOR'S control occasioned by an Act of God, by act or omission on the part of the OWNER, or by strikes, lockouts, fire, etc., may entitle the CONTRACTOR to an extension of time in which to complete the work as agreed by the OWNER, provided, however, that the CONTRACTOR shall immediately give written notice to the OWNER of the cause of such delay.

1. Act of God shall mean an earthquake, flood, cyclone, or other cataclysmic phenomenon of nature. Rain, wind, flood, or other natural phenomenon of normal intensity for the locality shall not be construed as an Act of God, and no reparation shall be made to the CONTRACTOR for damages to the work resulting therefrom.

2.5.07 USE OF COMPLETED PORTIONS:

The OWNER shall have the right to take possession of and use any completed or partially completed portions of the work, notwithstanding that the time for completing the entire work or such portions may not have expired; but such taking possession and use shall not be deemed an acceptance of any work not completed in accordance with the Contract Documents. If such prior use increases the cost of or delays the completion of uncompleted work or causes refinishing of completed work, the

CONTRACTOR shall be entitled to such extra compensation or extension of time or both, as agreed by the OWNER.

2.5.08 REMOVAL OF CONSTRUCTION EQUIPMENT, TOOLS, AND SUPPLIES:

At the termination of this Contract, before acceptance of the work by the OWNER, the CONTRACTOR shall remove all of his equipment, tools, and supplies from the property of the OWNER. Should the CONTRACTOR fail to remove such equipment, tools, and supplies, the OWNER shall have the right to remove them at the expense of the CONTRACTOR.

2.5.09 CLEANING UP:

The CONTRACTOR shall remove from the OWNER'S property, and from all public and private property, all temporary structures, rubbish, and waste materials resulting from his operation or caused by his employees, and shall remove all surplus materials leaving the site smooth, clean, and true to line and grade.

2.5.10 ENGINEER'S CERTIFICATE OF SUBSTANTIAL COMPLETION:

When the work to be performed under this Contract is substantially completed in accordance with the Contract Documents, the Engineer shall prepare an Engineer's Certificate of Substantial Completion to be acknowledged and accepted by the OWNER and the CONTRACTOR. The Certificate may list items to be completed or corrected, but such Certificate shall not relieve the CONTRACTOR of his obligation to complete all work, whether listed or not, in accordance with the Contract Documents nor will it preclude any right the OWNER may have for recourse in accordance with the Contract Documents.

2.5.11 TERMINATION OF CONTRACTOR'S RESPONSIBILITY:

The Contract will be considered complete when all work has been finished, the final review made up by the Engineer, and the project accepted in writing by the OWNER. The CONTRACTOR'S responsibility shall then cease, except as set forth in his Performance and Payment Bond, as provided in Paragraph 2.3.08 Guaranty, and as provided in Paragraph 2.5.12 Correction of Faulty Work After Final Payment.

2.5.12 CORRECTION OF FAULTY WORK AFTER FINAL PAYMENT:

The making of the final payment by the OWNER to the CONTRACTOR shall not relieve the CONTRACTOR of responsibility for faulty materials or workmanship. The CONTRACTOR shall promptly replace any such defects discovered within one year from the date of written acceptance of the work.

2.5.13 LIQUIDATED DAMAGES:

In the event the CONTRACTOR fails to complete satisfactorily the entire work contemplated and provided for under this contract on or before the date of completion determined as described elsewhere herein, the OWNER shall deduct from the monies due to CONTRACTOR the sum of One Thousand Five Hundred Dollars (\$1,500.00) for each calendar day of delay, which sum is agreed upon not as a penalty but as a fixed and liquidated damage for each day of such delay, to be paid in full and subject to no deduction, it being understood and agreed that the time of completion is of the essence. If the monies due the CONTRACTOR are less than the amount of such liquidated damages, then the CONTRACTOR shall pay the balance to the OWNER.

2.5.14 INCENTIVE CLAUSE:

The City of Sanibel will pay the CONTRACTOR an "Incentive Bonus" in the sum of One Hundred Dollars (\$100.00) for each calendar day if the work in the Contract is completed in accordance with the Contract Documents, as determined by the Engineer, before the documented project completion date.

The parties anticipate that delays may be caused by or arise from any number of events during the course of the Contract, including, but not limited to, work performed, work deleted, change orders, supplemental agreements, delays, disruptions, differing site conditions, utility conflicts, design changes or defects, time extensions, extra work, right-of-way issues, permitting issues, actions of Suppliers, sub-contractor's or other CONTRACTOR'S, actions by third parties, shop drawing approval process delays, expansion of the physical limits of the project to make it functional, weather, weekends, holidays, suspension of CONTRACTOR'S operations, or other such events, forces or factors sometimes experienced in construction work. Such delays or events and their potential impacts on performance by the CONTRACTOR are specifically contemplated and acknowledged by the parties in entering into this Contract and shall not extend the "Incentive Bonus" Completion Date set forth above.

SECTION 2.6 – PAYMENTS TO CONTRACTOR

2.6.01 DETAILED BREAKDOWN OF CONTRACT AMOUNT:

Except in cases where unit prices form the basis for payment under the Contract, the CONTRACTOR shall, within ten days of receipt of Notice to Proceed, submit a complete breakdown of the Contract Amount showing the value assigned to each part of the work, including an allowance for profit and overhead. Upon approval of the breakdown of the Contract Amount by the Engineer, it shall be used as the basis for all Requests for Payment.

2.6.02 REQUESTS FOR PAYMENT:

Progress Payments. OWNER may make progress payments on the project based on the CONTRACTOR'S Applications for Payment as recommended by the Engineer during construction as provided below.

1. Prior to Substantial Completion progress payments will be in an amount equal to 90% of the Work completed, and 90% of materials and equipment not incorporated in the Work but delivered and suitably stored, less in each case the aggregate of payments previously made.
2. Upon Substantial Completion, OWNER shall pay an amount sufficient to increase total payments to CONTRACTOR to 95% of the Contract Price, less such amounts as Engineer shall determine in accordance with paragraph 2.6.05 of the General Conditions.

2.6.03 DELETED

2.6.04 OWNER'S ACTION ON REQUEST FOR PAYMENT:

Within 30 days after receipt of a Request for Payment from the CONTRACTOR, the OWNER shall:

1. Process the Request for Payment as recommended by the Engineer.

2. Pay such other amount, in accordance with Paragraph 2.6.05, as he shall decide is due the CONTRACTOR, informing the CONTRACTOR and the Engineer in writing of his reasons for paying the amended amount.
3. Withhold payment in accordance with Paragraph 2.6.05, informing the CONTRACTOR and the Engineer of his reasons for withholding payment.

2.6.05 OWNER'S RIGHT TO WITHHOLD PAYMENT OF A REQUEST FOR PAYMENT:

The OWNER may withhold payment, in whole or in part, of a Request for Payment to the extent necessary to protect himself from loss on account of any of the following:

1. Defective work.
2. Evidence indicating the probable filing of claims by other parties against the CONTRACTOR which may adversely affect the OWNER.
3. Failure of the CONTRACTOR to make payments due to sub-contractor's, material suppliers, or employees.
4. Damage to another CONTRACTOR.

2.6.06 PAYMENT FOR UNCORRECTED WORK:

Should the OWNER direct the CONTRACTOR not to correct work that has been damaged or that was not performed in accordance with the Contract Documents, an equitable deduction from the Contract Amount shall be made to compensate the OWNER for the Uncorrected work.

2.6.07 PAYMENT FOR REMOVAL OF REJECTED WORK AND MATERIALS:

The removal of work and materials rejected in accordance with Paragraph 2.3.05 and the re-execution of acceptable work by the CONTRACTOR shall be at the expense of the CONTRACTOR, and he shall pay the cost of replacing the work of other CONTRACTOR'S destroyed or damaged by the removal of the rejected work or materials and the subsequent replacement of acceptable work.

1. Removal by OWNER: Removal of rejected work or materials and storage of materials by the OWNER, in accordance with Paragraph 2.3.05, shall be paid by the CONTRACTOR within 30 days after written notice to pay is given by the OWNER. If the CONTRACTOR does not pay the expenses of such removal and after ten days written notice being given by the OWNER of his intent to sell the materials, the OWNER may sell the materials at auction or at private sale and will pay the CONTRACTOR the net proceeds therefrom after deducting all the costs and expenses that should have been borne by the CONTRACTOR.

2.6.08 PAYMENT FOR EXTRA WORK:

Written notice of claims for payment for Extra Work shall be given by the CONTRACTOR within ten days after receipt of instructions from the OWNER to proceed with the Extra Work and before any work is commenced, except in an emergency endangering life or property. No claim shall be valid unless so made. In all cases, the CONTRACTOR'S itemized estimate sheets showing all labor and material shall be submitted to the OWNER. The OWNER'S order for Extra Work shall specify any extension of the Contract Time and one of the following methods of payment.

1. Unit prices or combinations of unit prices which formed the basis of the original Contract.
2. A lump sum based on the CONTRACTOR'S estimate and accepted by the OWNER.
3. Actual cost plus 15% for overhead and profit. Actual costs are defined as follows:
 - A. Labor costs, including all allowances for holidays, vacation, sick leave, apprentice programs, hospitalization, or other "fringe benefits" and including time of foreman while engaged directly upon extra work.
 - B. Labor insurance and taxes.
 - C. Materials and supplies used on the work.
 - D. Associated General CONTRACTOR'S of America standard rental rates on each piece of equipment having a value in excess of \$50.00. Equipment and tools of lesser value are considered "small tools" and, as such, are considered to be part of overhead.

2.6.09 PAYMENT FOR WORK SUSPENDED BY THE OWNER:

If the work or any part thereof shall be suspended by the OWNER and abandoned by the CONTRACTOR as provided in Paragraph 2.2.01 d., Suspension of Work by OWNER, the CONTRACTOR will then be entitled to payment for all work done on the portions so abandoned, plus 15% of the value of the abandoned work to compensate for overhead, plant expense, and anticipated profit.

2.6.10 PAYMENT FOR WORK BY THE OWNER:

The cost of the work performed by the OWNER, in removing construction equipment, tools, and supplies in accordance with Paragraph 2.5.08, Removal of Construction Equipment, Tools, and Supplies, and in correcting deficiencies in accordance with Paragraph 2.2.01 e., OWNER'S Right to Terminate the Agreement and Complete the Work shall be paid by the CONTRACTOR.

2.6.11 PAYMENT FOR WORK BY THE OWNER FOLLOWING HIS TERMINATION OF THE CONTRACT:

Upon termination of the Contract by the OWNER in accordance with Paragraph 2.2.01 e., OWNER'S Right to Terminate Agreement and Complete the Work, no further payments shall be due the CONTRACTOR until the work is completed. If the unpaid balance of the Contract Amount shall exceed the cost of completing the work including all overhead costs, the excess shall be paid to the CONTRACTOR. If the cost of completing the work shall exceed the unpaid balance, the CONTRACTOR shall pay the difference to the OWNER. The cost incurred by the OWNER, as herein provided, and the damage incurred through the CONTRACTOR'S default, shall be certified by the OWNER.

1. Unpaid Balance: If the unpaid balance of the Contract Sum exceeds the cost of finishing the work, including compensation for the Engineer's additional services, such shall be paid to the CONTRACTOR. If such costs exceed such unpaid balance, the CONTRACTOR shall pay the difference to the OWNER. The cost incurred by the OWNER as herein provided shall be certified by the Engineer.

2.6.12 PAYMENT FOR WORK TERMINATED BY THE CONTRACTOR:

Upon suspension of the work or termination of the Contract by the CONTRACTOR in accordance with Paragraph 2.2.02f, CONTRACTOR'S Right to Suspend Work or Terminate Agreement, the CONTRACTOR shall recover payment from the OWNER for the work performed, plus loss on plant and materials, plus established profit and damages.

2.6.13 PAYMENT FOR SAMPLES AND TESTING OF MATERIALS:

Samples furnished in accordance with Paragraph 2.3.02, Samples, shall be furnished by the CONTRACTOR at his expense and may be used in the work, after acceptance.

1. Testing of samples and materials furnished in accordance with Paragraph 2.3.02, Samples, shall be arranged and paid for by the OWNER.

2.6.14 ACCEPTANCE AND FINAL PAYMENT:

When the CONTRACTOR shall have completed the work in accordance with the terms of the Contract Documents, he shall certify completion of the work to the OWNER and submit a final Request for Payment, which shall be the Contract Amount plus all approved additions, less all approved deductions and less previous payments made. The CONTRACTOR shall furnish evidence that he has fully paid all debts for labor, materials, and equipment incurred in connection with the work, and, upon acceptance by the OWNER, the OWNER will release the CONTRACTOR, except as to the conditions of the Performance and Payment Bond, any legal rights of the OWNER, required guaranties, and Correction of Faulty Work after Final Payment, and will pay the CONTRACTOR'S final Request for Payment. The CONTRACTOR shall allow sufficient time between the time of completion of the work and approval of the final Request for Payment for the Engineer to assemble and check the necessary data.

1. Release of Liens: The CONTRACTOR shall deliver to the OWNER a complete release of all liens arising out of this Contract before the final Request for Payment is paid. If any lien remains unsatisfied after all payments are made, the CONTRACTOR shall refund to the OWNER such amounts as the OWNER may have been compelled to pay in discharging such liens including all costs and a reasonable attorney's fee.
2. Final Payment: The CONTRACTOR shall be paid in full within 61 days after the date of substantial completion. If within 61 days after substantial completion there remains uncompleted minor items, an amount equal to 200% of the value of each item as determined by the Engineer shall be withheld and paid 61 days following completion of all such items. This payment shall constitute final settlement.

SECTION 2.7 - CONTROL OF THE WORK

2.7.01 GENERAL:

The following general provisions have been taken verbatim from the Florida Department of Transportation Standard Specifications for Road and Bridge Construction with certain modifications to meet specific requirements of the City of Sanibel. The CONTRACTOR is advised to read these provisions very carefully and ensure that he fully understands all of the requirements.

2.7.02 PLANS AND WORKING DRAWINGS:

1. Plans and Contract Documents:

The CONTRACTOR will be furnished an appropriate number of copies of the plans and special provisions as required for the particular project. Copies of the Standard Specifications may be purchased from the Florida Department of Transportation. The CONTRACTOR shall have available on the work, at all times, one copy each of the plans, specifications and special provisions.

2. Plans:

The plans furnished by the Engineer consist of general drawings showing such details as are necessary to give a comprehensive idea of the construction contemplated. Roadway plans will show in general, alignment, profile grades, typical cross sections and general cross sections. Structure plans, in general, will show in detail all dimensions of the work contemplated. When the structure plans do not show the dimensions in detail, they will show general features and such details as are necessary to give a comprehensive idea of the structure.

3. Alterations in Plans:

All authorized alterations affecting the requirements and information given on the approved plans shall be in writing. No changes shall be made on any plan or drawing after its approval by the Engineer, except by direction of the Engineer.

4. Working Drawings (for Structures):

A. General:

The CONTRACTOR shall furnish, on sheets not larger than 24 inches by 36 inches, such working and detail drawings as may be required for any part of the structure and which are not included in plans furnished by the Engineer.

B. For Steel Structures:

Working Drawings for steel structures shall consist of shop detail, erection details and other working plans, showing details, dimensions, sizes of material, and other information necessary for the complete fabrication and erection of the metal work.

C. For Concrete Structures:

Working drawings for concrete structures shall consist of such detailed plans as may reasonably be required for the effective prosecution of the work and which are not included in plans furnished by the Engineer. These may include details of falsework, bracing centering and formwork, masonry layout diagrams, and diagrams for bending reinforcing steel.

D. Submission of Working Drawings:

The CONTRACTOR shall submit to the Engineer for approval three (3) sets of any required detailed shop or working drawings. These drawings shall be submitted in

sufficient time to allow adequate study and discussion and any necessary correction prior to beginning the work they cover. Prior to the approval of these drawings any work done, or materials ordered for the structures involved shall be at the CONTRACTOR'S risk. One set of these drawings will be returned to the CONTRACTOR, either approved or marked with corrections required. The other sets will be retained by the Engineer.

E. Responsibility of Accuracy of Working Drawings:

It is understood, however, that approval by the Engineer of the CONTRACTOR'S working drawings does not relieve the CONTRACTOR of any responsibility for accuracy of dimensions and details, or for conformity of dimensions and details. The CONTRACTOR shall be responsible for agreement and conformity of his working drawings with the approved plans and specifications.

F. Cost of Working Drawings:

The contract prices shall include the cost of furnishing all working drawings, and the CONTRACTOR will be allowed no extra compensation for such drawings.

2.7.03 COORDINATION OF PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS:

These Specifications, the plans, special provisions, and all supplementary documents are integral parts of the contract, and a requirement occurring in one is as binding as though occurring in all.

They are intended to be complementary and to describe and provide for a complete work. In addition to the work and materials specifically called for in the Specifications as being included in any specific pay item, additional incidental work, not specifically mentioned, will be included in such pay item when so shown in the plans, or if indicated, or obvious and apparent, as being necessary for the proper completion of the work under such pay item and not stipulated as being covered under other pay items. In case of discrepancy, computed dimensions shall govern over scaled dimensions, plans shall govern over Standard Specifications, and special provisions shall govern over both Standard Specifications and Plans.

2.7.04 CONFORMITY OF WORK WITH PLANS:

All Work performed, and all materials furnished shall be in reasonably close conformity with the lines, grades, cross sections, dimensions, and material requirements, including tolerances, shown on the plans or indicated in the specifications.

In the event the Engineer finds the materials or the finished product in which the materials are used not within reasonable close conformity with the plans and specifications, but that reasonably acceptable work has been produced, he shall then make a determination if the work shall be accepted and remain in place. In this event, the Engineer will document the basis of acceptance by contract modification which will provide for an appropriate adjustment in the contract price for such work or materials as he deems necessary to conform to his determination based on engineering judgment.

In the event the Engineer finds the materials, or the finished product in which the materials are used, or the work performed are not in reasonably close conformity with the plans and specifications and have resulted in an inferior or unsatisfactory product, the work or materials shall be removed and replaced or otherwise corrected by and at the expense of the CONTRACTOR.

In the event the OWNER accepts the work that is not within these tolerances, appropriate deductions will be made from the actual amount used to cover the cost of the extra material. The amount will be computed based on the job mix formula and the unit price stated in the Contract.

2.7.05 ERRORS OR OMISSIONS IN PLANS OR SPECIFICATIONS:

The CONTRACTOR shall take no advantage of any apparent error or omission which he might discover in the plans or specifications but shall forthwith notify the Engineer of such discovery, who will then make such corrections and interpretations as he deems necessary for reflecting the actual spirit and intent of the plans and specifications.

2.7.06 AUTHORITY OF THE ENGINEER:

All work shall be available for inspection by the Engineer and performed to his satisfaction.

It is agreed by the parties hereto that the Engineer shall decide all questions, difficulties and disputes, of whatever nature, which may arise relative to the interpretation of the plans, construction, prosecution and fulfillment of the contract, and as to the character, quality, amount and value of any work done, and materials furnished, under or by reason of the contract.

2.7.07 AUTHORITY AND DUTIES OF ENGINEER'S ASSISTANTS:

The Engineer may appoint such assistants and representatives as he desires. They shall be authorized to inspect all work done and all materials furnished. Such inspection may extend to all or any part of the work and to the manufacture, preparation or fabrication of the materials to be used. Such assistants shall not be authorized to revoke, alter or waive any requirement of the specifications. They shall be authorized to call to the attention of the CONTRACTOR any failure of the work or materials to conform to the specifications and contract and shall have the authority to reject materials or suspend the work until any questions at issue can be referred to and decided by the Engineer. The CONTRACTOR shall be immediately notified in writing of any such suspension of the work and such notice shall state in detail the reasons for the suspension. The presence of the inspector or other assistant shall in no way lessen the responsibility of the CONTRACTOR.

2.7.08 CONSTRUCTION STAKES AND MARKERS:

1. Stakes Furnished:

The CONTRACTOR shall furnish and set, free of charge, slope stakes, grade stakes and all other stakes necessary for construction of the project. The CONTRACTOR shall furnish all templates and other materials necessary for making and maintaining points and lines given and shall furnish the Engineer such incidental labor as he may require in reestablishing points and lines necessary to the prosecution of the work.

2. Special Requirements for Landscape Work:

For landscape work, the OWNER will furnish all stakes in the size and quantity required and the CONTRACTOR shall set all such stakes with his own forces. The CONTRACTOR shall maintain such stakes in place until the layout is approved and the digging of the holes for the plantings has begun; replacing any which may become destroyed or disturbed during such period.

2.7.09 CONTRACTOR'S SUPERVISION:

1. Prosecution of work:

The CONTRACTOR shall give the work the constant attention necessary to assure the scheduled progress and he shall cooperate fully with the Engineer and with other CONTRACTOR'S at work in the vicinity.

2. CONTRACTOR'S Superintendent:

The CONTRACTOR shall at all times have on the work as his agent, a competent superintendent capable of thoroughly interpreting the plans and specifications and thoroughly experienced in the type of work being performed, who shall receive the instructions from the Engineer or his authorized representatives. The superintendent shall have full authority to execute the orders or directions of the Engineer and to supply promptly any materials, tools, equipment, labor and incidentals which may be required. Such superintendence shall be furnished regardless of the amount of work sublet.

3. Supervision for Emergencies:

The CONTRACTOR shall have a responsible person available at or reasonably near the work site on a 24-hour basis, seven days a week, in order that he may be contacted in emergencies and in cases where immediate action must be taken to maintain traffic or to handle any other problem that might arise. For compliance with this requirement outside of working hours, the furnishing of the telephone number where such person can be reached will suffice.

2.7.10 GENERAL INSPECTION REQUIREMENTS:

1. Cooperation by CONTRACTOR:

No work shall be done, nor materials used, without suitable inspection by the Engineer or his representative, and the CONTRACTOR shall furnish the Engineer with every reasonable facility for ascertaining whether the work performed, and materials used are in accordance with the requirements and intent of the plans and specifications. If the Engineer so requests, the CONTRACTOR shall, at any time before final acceptance of the work, remove or uncover such portions of the finished work as may be directed. After examination, the CONTRACTOR shall restore the uncovered portions of the work to the standard required by the specifications. Should the work so exposed or examined prove unacceptable, the uncovering or removal, and the replacing of the covering or making good of the parts removed, shall be at the CONTRACTOR'S expense. However, should the work thus exposed or examined prove acceptable, the uncovering or removing, and the replacing of the covering or making good of the parts removed, shall be paid for as extra work.

2. Failure of Engineer to Reject Work During Construction:

If, during or prior to construction operations, the Engineer should fail to reject defective work or materials, whether from lack of discovery of such defect or for any other reason, such initial failure to reject shall in no way prevent his later rejection when such defect is discovered, or obligate the Engineer to final acceptance, and the CONTRACTOR shall make no claim for losses suffered due to any necessary removals or repairs of such defects.

3. Failure to Remove and Renew Defective Materials and Work:

Should the CONTRACTOR fail or refuse to remove and renew any defective materials used or work performed, or to make any necessary repairs in an acceptable manner and in accordance with the requirements of the specifications, within the time indicated in writing, the Engineer shall have the authority to cause the unacceptable or defective materials or work to be repaired, removed and renewed, as may be necessary; all at the CONTRACTOR'S expense. Any expense incurred by the City in making these repairs, removals or renewals, which the CONTRACTOR has failed or refused to make, shall be paid for out of any moneys due or which may become due the CONTRACTOR, or may be charged against the contract bond. Continued failure or refusal on the part of the CONTRACTOR to make any or all necessary repairs promptly, fully and in an acceptable manner shall be sufficient cause for the City, at its option, to perform the work with its own organization, or to contract with any other individual, firm or corporation to perform the work. All costs and expenses incurred thereby shall be charged against the defaulting CONTRACTOR and the amount thereof deducted from any moneys due or which may become due to him or shall be charged against the contract bond. Any work performed, subsequent to forfeiture of the Contract, as described in this Article, shall not relieve the CONTRACTOR in any way of his responsibility for the work performed by him.

2.7.11 FINAL CONSTRUCTION INSPECTION:

1. Maintenance Until Final Acceptance:

The CONTRACTOR shall maintain all work in first-class condition until it has been completed as a whole and has been accepted by the Engineer under the provisions of 2.7.12.

2. Semifinal Inspections:

The Engineer will make a semifinal inspection within seven (7) days after notice from the CONTRACTOR of presumptive completion of the entire project. If, at the semifinal inspection, all construction provided for and contemplated by the contract is found completed to the Engineer's satisfaction, such inspection shall constitute the final inspection, as prescribed below. If, however, at any semifinal inspection any work is found unsatisfactory, in whole or in part, the Engineer shall give the CONTRACTOR the necessary instructions as to replacement of material and performance or re-performance of work necessary and prerequisite to final completion and acceptance, and the CONTRACTOR forthwith shall comply with and execute such instructions. Upon satisfactory replacement of material and performance or reperformance of such work, another inspection shall be made, which shall constitute the final inspection if the required material is found to have been replaced and the work completed satisfactorily.

3. Final Inspection:

Whenever all materials have been furnished, all work has been performed, and the construction contemplated by the contract has been satisfactorily completed, the Engineer will make the final inspection.

2.7.12 FINAL ACCEPTANCE:

When, upon completion of the final construction inspection, the work is found to be completed satisfactorily, the Engineer shall give the OWNER a written recommendation for acceptance of the work. The OWNER shall then satisfy himself as to the Engineer's recommendation and within five days of said recommendation notify the CONTRACTOR, in writing, of his acceptance of the work.

2.7.13 CLAIMS BY CONTRACTOR:

Where the CONTRACTOR deems that extra compensation is due him for work or materials not clearly covered in the contract or not ordered by the Engineer as extra work, as defined herein, the CONTRACTOR shall notify the Engineer in writing of his intentions to make claim for extra compensation, before he begins the work on which he bases the claim. If such notification is not given, and the Engineer is not afforded proper opportunity for keeping strict account of actual cost, as defined for force account, then the CONTRACTOR thereby agrees to waive the claim for such extra compensation. Such notice by the CONTRACTOR, and the fact that the Engineer has kept account of the cost as aforesaid, shall not in any way be construed as establishing the validity of the claim. In such case the claim after consideration by the Engineer, is found to be valid, it shall be allowed and paid for as extra as provided herein.

SPECIAL PROVISIONS

1. REFERENCE SPECIFICATIONS – Florida Building Code (FBC) 2020 - 7th Edition with all current revisions and supplements; Florida Fire Prevention Code (FFPC) 2020 - 7th edition with all current revisions and supplements, (includes Florida versions of NFPA 1 & NFPA 101, 2021 edition); The Florida Department of Transportation Standard Specifications for Road and Bridge Construction, Current Edition with approved Supplements and Addenda shall govern the requirements and performance of the work, except when noted otherwise. Sea Turtle Regulations; Department of Environmental Protection Bureau of Beaches and Coastal Systems; All other Federal, State and Local Codes and Ordinances which may be in effect for this construction location.
2. The Contractor shall be responsible for applying for a City of Sanibel Building Department construction permit for the project (if necessary). The City shall be responsible for payment of fees for the Sanibel Building Department permits. Required licensing costs and any other miscellaneous fees associated with the project shall be paid for by the Contractor. All required environmental permits shall be secured by the City. Contractor must possess a valid State of Florida General Contractor License (CGC) at the time of the bid opening.
3. The contractor shall be responsible for all survey construction layout.
4. The Contractor shall dispose of all debris such as trees, brush, stumps and other deleterious material at location off the Island of Sanibel. No extra compensation will be allowed for hauling and providing the off-island disposal areas.
5. The Contractor is advised that he may not enter upon private property adjacent to the project without written consent of the affected property owner. A copy of the permission document shall be given to the Engineer.
6. The Contractor is hereby advised that he may not engage in any work on private property in the City of Sanibel during the contract performance period without written permission from the City of Sanibel. Failure to comply with this provision may result in suspension of all work activities until the matter is resolved.

An example of such work would be the paving of a private driveway. If the Contractor paves the driveway and the property owners does not possess the proper City permits, the entire project might be stopped until the necessary permits are obtained. The delay could be months and the Contractor could be assessed for liquidated damages.

7. No allowance for time extension of the project will be made for weather conditions common to Southwest Florida during the contract time period. The Contractor is reminded that time is of the essence and the work should proceed as quickly and efficiently as possible.
8. The Contractor shall remove and relocate as necessary all mailboxes, street signs, post fences structures such as headwalls, pipes, etc., and any other item necessary for progress and completion of the work. Payment shall be incidental to other items of work.
9. The Contractor shall include the adjustment of those structures (manholes, valves, etc.) that are required to be adjusted for the satisfactory completion of the work. These structures shall be of reinforced concrete or may be brick masonry if circular and constructed in place and shall include the necessary metal frames and gratings. No payment will be made for these items.

10. The contractor will ensure that the roadway and bridges over which he hauls materials will be kept clear. If spoil material and water fall from the truck onto the roadway, the contractor will keep the road clear at all times, either by power broom or by whatever means is necessary, if excessive material continues to be deposited, the Engineer will require hauling to be discontinued until the situation is resolved.
11. Contractor responsible for any temporary markings (i.e. signs, barricades, Striping, caution tape) to assure traffic safety (Vehicular, Pedestrian and Bicycle traffic).
12. All subcontractors must be approved in writing by the City.
13. All soil and concrete tests will be made by a laboratory approved of by the Engineer. Cost of testing will be paid for by the Owner except all subsequent tests deemed necessary because the original test indicated that the work did not conform to specifications. These tests shall be paid for by the contractor. The location of these tests shall be determined by the Owner.
14. An As-Built survey of the project shall be performed and submitted to Owner prior to final acceptance. The survey shall be conducted in accordance with the standards set forth in Chapter 472 of the Florida Statutes and the Minimum Technical Standards for such surveys as specified in Chapter 61G17 of the Florida Administrative Code. The cost of the survey shall be borne by the Contractor.
15. The Contractor shall prevent erosion of soil on the site and adjacent property resulting from his construction activities. Effective measures shall be initiated prior to the commencement of clearing, grading, excavation, or other operation that will disturb the natural protection. Install silt barriers or screens for capturing sediments/solids from erosion and dewatering / jetting activities.
16. The Contractor must be in possession of or obtain from the City of Sanibel an Occupational Registration and if applicable a Vegetation Competency Card prior to the start of the contract work to be done.
17. The Contractor is responsible to pay all toll fees required by Lee County to use the Sanibel Causeway.
18. Contractor is responsible for preventing any workers on this project, including all subcontractors, from feeding alligators anywhere on Sanibel Island. Contractor is required to instruct all workers and subcontractors not to eat lunch on the edge of any waterbody on Sanibel Island and not to feed, tease or interact in any way with any alligators, which is illegal under state law. Signage provided by the City regarding alligator feeding shall be posted on all job sites in a clearly visible location. Project sites adjacent to open water of any kind shall have a minimum of two additional alligator signs posted in clearly visible locations near the water's edge. All job sites shall be maintained free of any open containers of food or any food-related garbage. All workers on this project are to be informed that the City takes this issue very seriously and will prosecute any violators to the full extent of this law. State penalties for violating this law include a fine of up to \$500 per incidence and up to 60 days in jail. Failure to inform workers of the prohibition against feeding alligators as required above or evidence of alligators being fed by workers on this project, either at the project site or elsewhere on Sanibel Island, will result in immediate revocation of this contract.

19. Payment for work items in this contract is based on actual quantities with unit cost as per the bid schedule. The owner reserves the right to adjust quantities up to twenty-five percent (25%) over or underestimated quantities at contract unit prices. Any increase of work items shall be based on unit prices of similar work items in the vicinity. Any such adjustment resulting in the increase of the total contract price must be approved by the City Council.
20. It is up to the contractor to verify the correct scaling for printed plan documents of electronic documents provided by the City.
21. Contractor to provide Certificate of Workman's Compensation Insurance; U.S.L.& H. coverage, Jones Act (if applicable) and Public Liability in an amount not less than \$1,000,000.00

REQUIRED CONTRACT PROVISIONS

TERMINATION FOR CAUSE OR CONVENIENCE; REMEDIES

This contract is for more than the simplified acquisition threshold, currently set at \$250,000, so it must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms and provide for such sanctions and penalties as appropriate. See 2 C.F.R. Part 200, Appendix II(A). This requirement applies to all FEMA grant and cooperative agreement programs.

The City of Sanibel may terminate the contract at any time for breach of contractual obligations or for convenience, by providing the provider with a written notice of such cancellation. In the event of a termination for cause, the termination shall become effective on the date specified in the notice of cancellation, and the City of Sanibel shall have no continuing financial or other obligations to the Contractor from the effective date of the termination through what otherwise would have remained of the contract term. In the event of a termination for convenience, such termination shall not be earlier than 30 days from the date of such written notice, and the City shall be obligated to pay reasonable, substantiated demobilization costs but shall otherwise have no continuing financial or other obligations to the Contractor from the effective date of the termination through what otherwise would have remained for the contract term.

ACCESS TO RECORDS

The following access to records requirements apply to this contract: (1) The contractor agrees to provide the State of Florida (or any of its agencies), the City of Sanibel, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions. (2) The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed. (3) The contractor agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract."

COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund the contract only. The contractor will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.

PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

The contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the contractor's actions pertaining to this contract.

COPELAND ANTI-KICKBACK ACT

Compliance with the Copeland "Anti-Kickback" Act.

The contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this contract. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as FEMA may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all these contract clauses.

Breach. A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Compliance with the Contract Work Hours and Safety Standards Act.

The following clauses set forth in 29 C.F.R. § 5.5(b) are required, in accordance with the Contract Work Hours and Safety Standards Act:

- (1) *Overtime requirements.* No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) *Violation; liability for unpaid wages; liquidated damages.* In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.
- (3) *Withholding for unpaid wages and liquidated damages.* The City of Sanibel shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which

is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

- (4) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

CLEAN AIR ACT AND THE FEDERAL WATER POLLUTION CONTROL ACT

Federal Water Pollution Control Act

The contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

The contractor agrees to report each violation to the City of Sanibel and understands and agrees that the City of Sanibel will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants' employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration

for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

- (3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: provided, however, that in the event a contractor

becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The City of Sanibel further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: *provided, however*, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The City of Sanibel agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The City of Sanibel further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

DEBARMENT AND SUSPENSION

This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the contractor is required to verify that none of the contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

The contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

This certification is a material representation of fact relied upon by The City of Sanibel. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R.

pt. 3000, subpart C, in addition to remedies available to the City of Sanibel, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

BYRD ANTI-LOBBYING AMENDMENT

Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended)

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the awarding agency.

Required Certification. If applicable, contractors must sign and submit to the non-federal entity the following certification.

APPENDIX A, 44 C.F.R. PART 18 – CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned

shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

Date

TECHNICAL SPECIFICATIONS
Sanibel Island Post Hurricane Ian
Emergency Berm / Beach Recovery Project

November 10, 2023

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TS-1.0 DEFINITIONS

TS-1.1 Terms and Definitions: The following terms and abbreviations used in these technical specifications shall be defined as:

Project	Sanibel Island Post Hurricane Ian Emergency Berm / Beach Recovery Project
CITY	City of Sanibel, its employees or designees as appropriate (Also OWNER).
Contract Drawings	Construction Plans also referred to as Plans prepared by Humiston & Moore Engineers.
CONTRACTOR	Those parties selected and duly authorized by the OWNER to conduct the Work contained herein.
FDEP	State of Florida Department of Environmental Protection.
ENGINEER	Humiston and Moore Engineers, P.A., its employees or designees as appropriate, serving as Engineer of Record.
DOT	Department of Transportation
OWNER	City of Sanibel, its employees or designees as appropriate.
Reach	A segment of shoreline within the Project in which the Work will be conducted in defined increments. There are a total of five (5) Beach Reaches defined in the Contract Drawings and these Technical Specifications.
Work	The construction of a beach and dune post storm emergency berm and recovery project involving the placement of beach quality sand to restore the beach and dune areas along Sanibel Island's Gulf-Front shoreline following the impact from Hurricane Ian of September 2022. The Project includes importing beach quality sand meeting these Technical Specifications and delivering, grading, and dressing the sand in accordance with the Project Contract Drawings and these Technical Specifications. The Project design is to restore the beach and dune areas shown on the Contract Drawings placing beach quality sand upland of Mean High Water. All accesses used for hauling sand to the beach for multiple staging areas will need to be restored to pre-Project conditions.

These technical specifications are provided as a supplement to the General Conditions and the main body of the contract between the CITY and the CONTRACTOR. The CONTRACTOR is bound and obligated to perform under these technical specifications as part of the main contract. In the event that any discrepancies arise between these Technical Specifications and other sections of the contract documents, these Technical Specifications shall prevail at the discretion of the

ENGINEER and OWNER. Should any such discrepancies arise, the CONTRACTOR shall contact the ENGINEER for clarification. The ENGINEER and OWNER shall have the final determination on all issues in dispute.

TS-2.0 SCOPE OF WORK

TS-2.1 General Description: The Work consists of furnishing all labor, materials, equipment, and performing all tasks necessary for the construction of the Project in accordance with these Technical Specification and Project Contract Drawings. The beach berm and dune restoration will involve placement of approximately 343,700 tons of beach quality sand. In addition, part of the Work includes filling of approximately 64 larger washout gullies surveyed in July 2023 which are identified on the Contract Drawings. Filling of these gullies and other smaller gullies to the adjacent beach level is estimated at 66,400 tons for a total Project quantity of 410,100 tons.

TS-2.2 Sand Purchase Option by CITY: The CITY reserves the right to purchase the sand directly from the sand mine(s). The CITY is a non-tax entity and will provide its tax exemption documentation to the CONTRACTOR.

TS-2.3 Sand Characteristics and Testing: Sand placed on the beach and dune area as part of this Project must comply with FDEP Hurricane Recovery and these specifications. The beach compatible sand material for this Project must be predominantly quartz sand with a mean grain size diameter between 0.25 mm and 0.55 mm, with a Moist Munsell color-value chroma of 7/1 or lighter. Listed below in **Table 1** are the Sediment Compliance Characteristics. Note that the Munsell color characteristics are for moist samples. Sand delivered to the beach shall have no more than 5% moisture content. A moist sand sample and lab analysis is required as part of the bid as described herein.

Table 1. Sediment Compliance Characteristics Sanibel Island Beach

Sediment Characteristics	Definition	Compliance Range
Mean Grain Size	Computed by moment method	0.25 mm – 0.55 mm
Moisture Content	Moisture content at loading	≤5%
Maximum Silt Content	Passing #230 Sieve	≤2%
Maximum Gravel Content	Retained above #4 Sieve	≤2%
Munsell Color	Moist Hue	10YR
	Moist Value	≥7
	Moist Chroma	1

Note: The beach material shall not contain construction debris, toxic material, or other foreign matter.

The CONTRACTOR shall be responsible for all testing and inspections to ensure that the sand quality meets these technical specifications. CONTRACTOR shall ensure that a Quality Control (QC) program is implemented such that sand produced and stockpiled for this Project at the mine(s) and loaded for delivery to Sanibel Island includes a QC report conducted and prepared by a CMEC and FDOT certified technician testing samples at a minimum of every 2,500 tons of shipped sand using ASTM procedures for the required sand characteristics and specifications listed in **Table 1** of these Technical Specifications. If more than one mine is selected and approved, an

equivalent QC program is required for each mine. Reports shall be provided electronically to CITY and ENGINEER within 48 hours of testing. If more than one mine is proposed by the CONTRACTOR, the sand characteristics must meet the criteria in Table 1, and the Munsell color for moist and dry samples must be the same in order for the sand to be used interchangeably. The sand source must be a properly licensed and permitted supplier of sand.

The CONTRACTOR shall provide the production and storage capacity of the sand mine(s) so that the Project may be completed prior to April 15, 2024. This assumes a Notice to Proceed is issued by the CITY no later than December 13, 2023.

The CONTRACTOR is responsible for providing all truck tickets to CITY and ENGINEER daily and continuously reconciling the truck tickets with the respective sand mine to ensure all truck deliveries to the Project are accounted for and accurately tabulated. CONTRACTOR shall provide the CITY and ENGINEER with reconciled truck ticket reports and totals including reference to all truck tickets of delivered quantities on a weekly basis.

TS-2.4 Location of Beach Fill Reaches: The location of the Project is along Sanibel's Gulf front beaches between a gully washout within Bowmans Beach toward the north end of Sanibel to the Sanibel Lighthouse at the southeast end of the island. The North end of the island located between DEP reference monument R-110.5 to R-112.75 referred to as the North Sanibel Project is not part of this Project and is being constructed under separate management by Lee County.

The Sanibel Island Post Hurricane Ian Emergency Berm / Beach Recovery Project (Project) is divided into 5 consecutive Reaches identified by the state reference monuments as follows. The Reaches are listed in consecutive order from north to south; however, the order of the beach fill placement will be determined by the CITY, prior to commencement of Work:

Reach 1: This segment of shoreline extends from R-123.5 south to R-133 and includes the filling of an isolated gully near R-121.5 in Bowmans Beach.

Reach 2: This segment of shoreline extends from R-133 south to R-144.

Reach 3: This segment of shoreline extends from R-144 south to R-155.

Reach 4: This segment of shoreline extends from R-155 south to R-166.

Reach 5: This segment of shoreline extends from R-166 southeast to R-174+200, just beyond the Sanibel Lighthouse. This is the most southeastern portion of the Project.

TS-2.5 Schedule: The Work must be completed according to the Contract Drawings and these technical specifications within the time specified in the contract. All Work shall be deemed substantially complete by 5:00 pm on April 15, 2024. This time period includes activity within the shorebird nesting season which commences February 15, 2024. CONTRACTOR shall obtain daily clearance when working on the beach from a qualified shorebird monitor hired by the CITY for construction activity on the beach and dune area between February 15, 2024 through April 15, 2024. CONTRACTOR shall provide a Work Schedule including rate of sand delivery to Project

assuming a start date no later than December 13, 2023. Liquidated damages may be applied for Work extending beyond April 15, 2024, to cover additional costs for engineering and administration by the CITY or ENGINEER. For reasons beyond the control of the CONTRACTOR, the CITY may waive liquidated damages and extend the completion date as justified but no later than April 30, 2024, which coincides with the start of the marine turtle nesting season.

CONTRACTOR is advised that prior to the start of Work each day as of February 15, 2024, CONTRACTOR must coordinate with the Shorebird Monitor for daily clearance of Work for shorebird protection. If a protected shorebird nest is encountered within the Project, then a 300-foot buffer will be established for protection of the nest, and sand may be adjusted or stockpiled adjacent to the buffer zone at the direction of the CITY and ENGINEER.

CONTRACTOR is encouraged to commence construction as soon as practical following issuance of a Notice to Proceed by the CITY.

TS-2.6 Permits: The Work is being conducted under an Emergency Final Order (OGC NO. 22-2602) issued by the State of Florida DEP, and all beach fill must be placed upland of Mean High Water as identified on the plans. Should there be shoreline changes requiring field adjustment to remain upland of MHW, those adjustments will be coordinated collectively in the field by CITY, ENGINEER, and CONTRACTOR at the time of Construction. All field adjustments will be recorded as part of the Project Record Drawings.

Unless otherwise provided by the CITY, the CONTRACTOR is solely responsible for obtaining, at their cost, all other approvals required to construct the Project. This includes, but is not limited to, all roadway permits and tolls, and business licenses required to bring material to the site. The CITY is requesting easements from Gulf-front property owners prior to the time of construction. Should any dispute arise in the field with regard to placement of sand on a parcel, that matter will be immediately brought to the attention of the CITY for resolution and may involve not placing sand on that parcel.

TS-2.7 Contract Drawings and Technical Specifications: The CONTRACTOR shall perform the Work as specified by the Project contract documents. Should a question arise regarding the Plans or Technical Specifications, the ENGINEER will interpret the requirements of the technical portion of the Work, as specified in the Plans and Specifications of the contract documents. If the CONTRACTOR objects to the ENGINEER's interpretation, the CONTRACTOR shall, within 72 hours of receiving the ENGINEER's interpretation, notify the ENGINEER in writing of the CONTRACTOR's objection thereto. The CONTRACTOR and ENGINEER will mutually attempt to resolve the issue; nevertheless, the ENGINEER's decision will be binding upon the CONTRACTOR.

TS-2.8 Truck Route for Hauling Sand to Sanibel Island: No trucking associated with this Project may occur along Corkscrew Road between Alico Road and I-75. Refer to Appendix D for map of restricted truck route. This includes both trucks loaded with sand and empty trucks.

TS-2.9 Means, Methods, and Order of Work: The Project Order of Work in which the Beach Reaches shall be completed will be determined by the CITY in coordination with the CONTRACTOR. Work may occur utilizing a maximum of three beach access locations at a time. Work may not extend into an additional Reach and related beach access until the beach area using a previous beach access has achieved substantial completion determination by CITY and ENGINEER. This process will continue to be followed as the Project is built and substantial completion is achieved. In all cases, the CONTRACTOR will be able to work using three beach accesses concurrently but may not use a fourth access unless approved by CITY and ENGINEER.

CONTRACTOR will include the use of a Professional Surveyor and Mapper registered in the State of Florida for laying out the Work and setting visual control as well as completing post fill beach profiles. In addition to maintaining a daily log of truck tickets for delivery of all sand, CONTRACTOR is responsible for recording all grades and providing ENGINEER with volume calculations and progress of Work to be verified by the ENGINEER along segments of beach corresponding at a minimum to R-Monuments and half R-Monuments shown on the Contract Drawings along the Project.

Other than the Order of Work for construction of the Project and access routes for trucks hauling sand to reach a designated beach access and staging area location, the CONTRACTOR is solely responsible for all construction means, methods, techniques, and procedures including construction layout, monitoring and recording of grades of the installed material, and producing on-going as-built drawings throughout construction. Beach Access locations and truck routes on the island are provided in **Appendix A**.

Beach fill will be placed within the five Beach Reaches referenced in Section TS-2.4. The total fill quantity to be placed within the Project construction templates is provided in the Contract Drawings and listed in total on the bid form. The CONTRACTOR will not be paid for transport, placement, or grading of any fill in excess of the bid quantity (tons) unless a written change order is approved by the CITY. With the exception of sand placement to fill the gullies, the general plan is to place all the sand between the landward limit near the vegetation line as shown on the Plans, and the seaward toe, graded and dressed into the appropriate template shape. No sand shall be placed seaward of the Mean High Water Line (MHWL) as identified on the section profiles on the Plans. Sand within 10 feet of the seaward toe of the beach fill shall be graded smooth to address any ruts from construction and washouts not identified on the Plans. Should there be field adjustments necessary following staking of the fill limits, those adjustments will be coordinated collectively in the field by CITY, ENGINEER, and CONTRACTOR at the time of Construction. All field adjustments will be recorded as part of the Project Record Drawings and noted on the Daily Report forms provided by the CONTRACTOR.

The Work will be done along the beach area which includes habitat for endangered species and is also highly used by the public. CITY will also be responsible for identifying and marking any active Gopher Tortoise burrows within Project vicinity. If encountered, a 25-foot buffer will be established by CITY for protection of the burrow, and sand will be stockpiled adjacent to the buffer zone at the direction of the CITY and ENGINEER. CONTRACTOR shall put forth the utmost care and attention to public safety by maintaining a clean and organized site free from the accumulation of debris and utilizing safety procedures for every truck load that traverses along the

beach and the assigned beach access and truck routes. For safety purposes, all Work must be conducted during daylight hours between 7 am and 5 pm unless amended by the CITY. CONTRACTOR shall adhere to strict speed limits on all roadways as identified on the truck access routes in **Appendix A** and on the beach. Trucks traversing the beach shall strictly adhere to a speed limit of no more than 10 miles per hour (mph).

TS-3.0 PRE-CONSTRUCTION MEETING, OPERATIONS PLAN, SUBMITTALS, AND WEEKLY PROGRESS MEETINGS

TS-3.1 Pre-Construction Meeting: Prior to commencement of construction, CONTRACTOR shall attend a pre-construction meeting and meet with representatives of CITY and ENGINEER. CONTRACTOR'S designated superintendent, as required under Section 3.3 of these Technical Specifications, shall be present at the pre-construction meeting. **A minimum of three days prior** to the Pre-Construction meeting. CONTRACTOR shall submit for ENGINEER approval, an Operations Plan which shall describe the following in detail, including as a minimum, the CONTRACTOR'S proposed:

- 1. Order of Work:** CONTRACTOR to confirm Order of Work by Reach and describe method for filling of gullies in relation to beach berm and dune fill restoration. The order of Work may be discussed and modified at the pre-construction meeting to accommodate local stakeholders' and CITY priorities.
- 2. Schedule and Sand Tracking:** CONTRACTOR shall provide an anticipated schedule, including identification of specific areas to be used for mobilization, material and equipment storage, and access for construction. The schedule shall include a description of the CONTRACTOR's weight ticket tracking system, QC program from the mine and plan for reconciling all truck tickets by CONTRACTOR prior to submittal of pay requests.
- 3. Sand Delivery Capacity and Rate:** Number and capacity of trucks to be used to deliver the sand. Include number of trips per day and projected delivery schedule in terms of tons per day to meet the Project Schedule defined in these Technical Specifications.
- 4. Contacts:** CONTRACTOR shall submit a list of Project personnel, including sub-contractors, and their telephone, e-mail address, telefax, and other numbers by which key personnel can be reached as related to and for the duration of the Work. In all cases, CONTRACTOR remains responsible for all Work and shall be the point of contact and in responsible charge of the sub-contractor(s) during the duration of the Work.
- 5. Maintenance of Traffic:** The CONTRACTOR shall provide a Maintenance of Traffic (MOT) Plan at the pre-construction conference. The plan shall outline the signage and methods the CONTRACTOR will use to minimize disturbance to normal traffic and pedestrian flows in the Project area as part of the plan. The CONTRACTOR shall utilize flagmen when unloading materials and mobilizing or demobilizing equipment from the construction site including Beach Access locations and Staging Areas. All elements of the CONTRACTOR's MOT shall be coordinated with the CITY's Police Department, Public Works Department, and Natural Resources Department. All off road trucks (ORTs) shall

be escorted to and from the loading area and fill placement area to assist in avoiding public beach goers, areas marked by the CITY for environmental protection, and dune vegetation. The ENGINEER or CITY may request modifications to the plan.

6. **Grade Stake Management:** At the pre-construction conference, the CONTRACTOR shall submit a Grade Stake Management Plan acceptable to the ENGINEER and the CITY. The plan shall outline the steps that the CONTRACTOR will implement to log and recover all the stakes used on the Project as required. Grade stakes shall be made of steel pipe or other sustainable material but not wood, that can be removed intact after construction. This plan shall include the use of an inventory log that will be made available for review by the ENGINEER or CITY. Upon completion of the Project, the CONTRACTOR shall furnish a final grade stake log to the CITY. Grade stakes shall be placed at each R-monument and half R-monument shown on the Contract Drawings to guide construction as well as the landward and seaward limits of gullies to be filled.
7. **Beach Access and Beach Delivery Areas Protection:** Methods to be used to protect all ground areas of beach access for delivery of sand to staging areas on the beach for each Reach. This may include but not be limited to mats and/or steel plates. CONTRACTOR shall identify the overall dimensions of the staging areas needed for the Project at each Beach Access location.
8. **CONTRACTOR Staffing and Access:** CONTRACTOR to identify where portable sanitary facilities will be established, and how staffing and equipment will be managed, such as equipment trailers, and parking for staff.
9. **Beach Equipment:** List all equipment to be used on the beach in distributing the sand, grading, and dressing the beach.
10. **General Plans and Information:** The CONTRACTOR shall provide the following additional submittals at the commencement of truck hauling operations:
 - i. Quality Control Plan
 - ii. Accident Prevention and Safety Plan
 - iii. Hurricane and Severe Storm Plan
11. **Pre-/Post-Construction Condition Video:** The CONTRACTOR shall provide copies of the pre-construction video at least one (1) day prior to the start of construction documenting the condition of the Project site including, but not limited to, construction accesses, staging areas, major structures, infrastructure and vegetation and the entire truck route for road or property damage, etc. The post-construction video shall cover the same extents as the pre-construction video and be furnished prior to final demobilization.
12. **Daily Quality Control Reports:** The CONTRACTOR shall submit daily reports that summarize the Work completed at the end of each workday. Daily Quality Control Reports shall be submitted every contract day during the construction period (even when no Work is done) between the time at which the Notice to Proceed is issued and the time of final acceptance. Reports shall be submitted on the day following the Work by 5:00 p.m. to the

ENGINEER and CITY daily via e-mail. The reports shall include all Work activity including, but not limited to, the location (coordinates or stationing) of Work, daily and cumulative quantities of sand placed, placement surveys, weather conditions, personnel, materials, and on-site equipment. A copy of the required daily report form is included in **Appendix B** of these Technical Specifications.

13. Unsuitable Material: The CITY and CONTRACTOR will provide daily visual inspections and CONTRACTOR shall ensure sediment analysis of sand being loaded is taken a minimum of 2,500 tons of delivered sand to ensure delivered sand meets these Technical Specifications. The CONTRACTOR shall notify the ENGINEER and the CITY immediately of the discovery of any unsuitable material delivered to or within the fill area and a plan to remove it at no cost to the CITY.

14. General Notifications: The CONTRACTOR shall provide the following notifications to CITY and ENGINEER within 24 hours once determined, if applicable:

- i. Notification of Plans/Specifications Discrepancy
- ii. Notification of Cultural Resource Discovery
- iii. Notification of Misplaced Material
- iv. Notification of Survey Discrepancy
- v. Notification of Occurrence of Delays in Work
- vi. Claims and Disputes
- vii. Reports of All Inspections, Surveys, and Tests and Remedial Actions

TS-3.2 Weekly Progress Meetings: Weekly progress meetings shall be held during construction at the CITY's offices or Project site with the ENGINEER, CITY, and CONTRACTOR to discuss the progress of the Project and CONTRACTOR submittals. The Project schedule shall be updated weekly during construction and submitted at each progress meeting so that the CITY and local property owners can plan for the CONTRACTOR's activities, as needed. These meetings are mandatory. Initially, progress meetings will be held weekly and will be subject to change based on instructions from the CITY or ENGINEER.

TS-3.3 CONTRACTOR Superintendent: CONTRACTOR shall designate a competent superintendent who will attend the pre-construction conference as well as be on site during construction activities, and who will be responsible for seeing the Work is completed in compliance with the Contract Documents, which includes the Contract Drawings, Technical Specifications and all field changes agreed to by CONTRACTOR, CITY and ENGINEER. This person must remain as the superintendent during the entire duration of the Project, unless a written request is made by the CONTRACTOR for a change and is approved by the CITY. The CITY can temporarily cease Work if no superintendent, approved by the CITY, is working on the Project but must still maintain the Project Schedule contained in these Technical Specifications.

CONTRACTOR shall provide a cell phone number, or other reliable means of contacting the Superintendent, by which the Superintendent may be reached at any time of day during construction as well as a backup contact in case the primary Superintendent is not available.

TS-4.0 CONSTRUCTION SECTIONS AND ACCEPTANCE

TS-4.1 Layout of Work: Grade stakes shall be made of steel pipe or other sustainable material but not wood, that can be removed intact after construction. The ENGINEER may request the Work be suspended if stake layout is not adequate to permit visual checking of Work. Stake colored ribbon markings shall be established at the onset of construction, and the same color scheme shall be maintained throughout the Project to allow visual checking of Work. All grade stakes used to establish horizontal limits and elevations must be accounted for and removed from the beach by the CONTRACTOR upon acceptance of individual Beach Reaches and prior to final completion of the Project.

TS-4.2 Construction Sections: The Plans define the Project's approximate 1,000-ft stationing throughout the Project as well as intermediate gullies to be filled. These 1,000-ft station profiles (DEP R-monuments) define the alongshore limits of each construction section and are to be staked **pre-placement** by the CONTRACTOR used as intermediate profiles during construction of the Project and replaced by the CONTRACTOR when needed.

TS-4.3 Acceptance Sections: Acceptance sections are defined as the portion of the constructed beach and dune fill lying between two immediately adjacent acceptance station lines as defined on the Plans (R-monuments). Acceptance sections are typically between every adjacent station, resulting in approximately 1,000 ft. wide acceptance sections for this Project, except for areas around coastal structures or the construction access areas. Acceptance includes gullies as shown on the plans which must be filled and accepted prior to construction of the beach berm and dune fill to traverse the gully location. Acceptance beach profiles will be established by the CONTRACTOR according to the Plans. The post construction survey scope shall be along the same profiles as presented in the Contract Drawings. Acceptance R-monument stations and all half R-monument stations will be surveyed by the CONTRACTOR's licensed Professional Surveyor and Mapper registered in the State of Florida. Surveyed sections to be provided to CITY and ENGINEER by plots and data to be provided in X,Y,Z format.

All gullies filled as part of this Project between or adjacent to R-monuments shall include post fill surveys on 50-foot stations or more frequent extending a minimum of 25 feet beyond the seaward and landward fill limits of the gully where practical and at least one shore-parallel profile in the center of the gully to show the ties into the adjacent beach elevations. Acceptance gully segments will be surveyed by the CONTRACTOR's licensed Professional Surveyor and Mapper registered in the State of Florida. All survey data shall be provided to the CITY and ENGINEER in X,Y,Z format with metadata indicating date of collection, extents of the survey, horizontal and vertical datums of the provided data.

TS-5.0 CONTRACTOR PERFORMANCE

TS-5.1 CONTRACTOR Participation in the Work: The CONTRACTOR shall participate in the Project and not sub-contract this participation.

TS-5.2 Continuous Construction: The CONTRACTOR shall maintain at the Project site and on the job, the materials, equipment, and personnel required to continuously construct all elements of

the Project. Under no circumstances will the CONTRACTOR remove their equipment, materials, sub-contractors, and personnel from the Project site without the written consent of the CITY, unless one or more of the following occurs: the Project is complete; weather or sea state conditions require movement from the Project site; a condition exists which threatens the safety and welfare of personnel or threatens equipment; repair or fueling of equipment is required; or the time frame provided for Project construction has expired.

TS-5.3 Capacity: The CONTRACTOR shall ensure that there is sufficient equipment and personnel to meet the standards for capacity and productivity, and ability to maintain throughout the time allotted for construction. Weekly meetings will include updated reporting from the sand mine(s) used for the Project to ensure production and capacity are on schedule.

TS-6.0 RECORD DRAWINGS AND DAILY REPORTS

TS-6.1 On-Site Recorded Changes: During the course of construction, the CONTRACTOR shall record all information required to complete a set of as-built Record Drawings. Information to be included on the Record Drawings shall be recorded on one working set of construction drawings during the course of the Work and shall include actual dimensions and elevations. If field changes are made to modify the Work in any way, such field changes shall be documented on the Record Drawings by dimension, detail and date. The working set of construction drawings shall be kept at the Project site or CITY office and be available for review by CITY, ENGINEER, and regulatory agencies during the progress of the Work. Prior to Substantial Completion of the Work, the CONTRACTOR shall provide the documented information to the ENGINEER for generation of a final Project Record set of drawings, and sufficiency of such drawings shall be confirmed by CONTRACTOR, CITY and ENGINEER to verify extent and agreement of any changes in the Plans for each Reach. Prior to final payment, the Record Drawings shall be revised by the CONTRACTOR and provided to ENGINEER to reflect any changes which have occurred since the submittal for substantial completion for each Reach.

TS-6.2 Daily Report: During the course of construction, CONTRACTOR shall submit a Daily Report of Operations to include the information listed under TS-3.1. The report shall be submitted on a form to be approved by the ENGINEER, and shall be submitted by 5:00 pm via email to the ENGINEER and CITY on the day following the day covered by the report.

TS-6.3 Surveys: All surveys provided by CONTRACTOR shall include a signed and sealed survey report and control information, submitted in X,Y,Z format. Surveys are to be conducted by a Professional Surveyor and Mapper licensed in the State of Florida and provided to CITY and ENGINEER.

TS-7.0 SITE CONDITIONS

TS-7.1 Construction Site: The construction site is along the Sanibel Island shoreline, upland of mean high water of the Gulf of Mexico. The area of Work is therefore exposed to weather conditions that at times may include storms and rough sea conditions with elevated tides and waves reaching the Work area. The CONTRACTOR is responsible for familiarizing him/herself with the site conditions, staging areas, and accesses to the Work areas.

TS-7.2 Information and Data: Information and data furnished or referred to herein are for the CONTRACTOR's information; however, it is expressly understood that the CITY and ENGINEER shall not be responsible for any interpretation or conclusion drawn there from by the CONTRACTOR. It is the CONTRACTOR's responsibility to visit the Project site and to take whatever other measures necessary to be familiar with local conditions that may in any manner that affect the cost and performance of the Work.

TS-7.3 CONTRACTOR's Equipment: It is the CONTRACTOR's responsibility to determine the suitability of the CONTRACTOR's equipment for working under the site conditions and that the capacity of the CONTRACTOR's equipment is sufficient for completion of the Work within the construction schedule.

TS-8.0 ACCESS, WORK AREAS, AND STORAGE AREAS

TS-8.1 General: The general location and extent of the construction access areas to staging areas, and Work areas are indicated in the Plans. Access points should be minimized as much as practicable. The CONTRACTOR's equipment shall be cushioned against damage to existing facilities and structures including but not limited to pavers, grass, bushes, fencing, street, park and private property signs, mailboxes, and the streets to the beach access points. Upon acceptance by the CITY, the CONTRACTOR is responsible for removing existing vegetation, fencing, and other impediments, as necessary, to allow equipment access and sand material and equipment deliveries to the Work area. The CONTRACTOR shall landscape and restore those areas disturbed by the CONTRACTOR where access routes and staging areas are developed. The cost of preparing, maintaining, and restoring the Project area shall be included in the cost for Beach Access Restoration.

TS-8.2 Construction Access: The CONTRACTOR shall limit construction access to the beach at the locations shown in the Plans or as approved by the CITY. The CONTRACTOR is responsible for preparing beach access locations for use by the CONTRACTOR's equipment and returning the beach access to its pre-Project condition.

The CONTRACTOR shall exercise caution when accessing and driving on the beach with vehicles or equipment, particularly with regard to beachgoers and private property. In the event that damage is caused by the CONTRACTOR, the CONTRACTOR shall restore all damage to sidewalks, roads, parking lots, coastal structures, dune vegetation, or any other structure or natural feature to pre-construction conditions or better. The CONTRACTOR will not receive final payment until all damage is restored to the satisfaction of the CITY, as stated in these Technical Specifications. All damage will be repaired at the CONTRACTOR's expense.

TS-8.3 Staging Area: Upland beach staging areas are limited to those areas seaward of the beach construction access areas shown in the Plans. The extent of the staging areas will need to facilitate the delivery and departure of trucks hauling sand, loading of Off-Road Trucks and remain upland of mean high water. Additional public parking spots for operations may be made available to the CONTRACTOR if requested in writing and approved by the CITY. Beach staging areas are to be limited the areas adjacent to and including the Project fill template and alongshore limits of the fill

template shown in the Plans without damaging well established vegetation and remaining upland of mean high water. The CONTRACTOR shall cordon off and/or fence the staging areas to keep the public away from equipment. The staging areas must be restored to the pre-construction condition upon Project completion at the cost of the CONTRACTOR. If additional staging is needed, it shall be procured by, and at the expense of, the CONTRACTOR, with approval of the CITY and property owner.

TS-8.4 Work Area: The Work area limits available to the CONTRACTOR for accomplishing the Work are shown in the Plans. Construction access to the beach is shown in the Plans and included in these Technical Specifications. The CONTRACTOR shall cordon off and/or fence the active fill placement areas to keep the public away from equipment. An active fill placement area shall not exceed 1,000 ft. alongshore without coordination with, and approval by, the CITY.

When working near the Lighthouse in Beach Reach E, the CITY will be responsible for removing and replacing fencing around the lighthouse to facilitate placement of sand.

TS-8.5 Pads, Ramps, and On Beach Accessways: Fill may be required to build out staging area pads, ramps or roadways to establish access to the construction area. Based upon the pre-placement survey conditions, the CITY and ENGINEER may allocate material for these purposes. The CONTRACTOR shall endeavor to maintain this fill within the Project limits, and all fill must be graded into the construction templates prior to substantial completion of the Project.

TS-8.6 Exclusion of Public: The CONTRACTOR shall accomplish the Work in such a manner so as to minimize disruption to road traffic and the use of the beach. It is the CONTRACTOR's responsibility to exclude the public for safety purposes from the construction access, staging area, and Work areas in the immediate vicinity of the active Work, transport operations, or any other area that may be dangerous to the public using a temporary fence and/or appropriate signage. The CONTRACTOR shall minimize the areas closed to the public to safely conduct the Work.

TS-8.7 Substantial Completion: At substantial completion for each Reach, Off-Road Trucks (ORTs) would be removed from the Beach Reach and the CONTRACTOR'S staging areas are to be condensed to allow for the construction access points to be opened for joint construction and public use.

TS-8.8 Final Completion: At final completion for each Beach Reach, Work areas, staging area, and construction accesses shall be completely demobilized of CONTRACTOR's equipment and vehicles and each area restored.

TS-9.0 USE OF COMPLETED PORTIONS

The CITY shall have the right to take possession of, and use, any completed or partially completed portions of the Work, prior to the completion of the entire Work. Such taking possession and use shall not be deemed an acceptance of any Work not completed in accordance with the contract documents.

TS-10.0 CHANGES AND EXTRAS

TS-10.1 Changes in the Work: The CITY shall have the right, within the general scope of the Work and without notice to any surety or sureties of the CONTRACTOR, to make changes in the Work, including, but not limited to, changes in the Plans and Specifications pertaining to beach width, beach elevation, fill volume, beach length, environmental protection, contract time, contract price, in or to the method or manner of performance of the Work, in or to equipment, materials, service or site, in or to the mode or manner of payment for the Work, or directing a change in the rate of performance of the Work. All changes shall, except in the case of emergencies endangering the safety of personnel or property, be made by modification of the contract documents or by written change order duly executed by the CITY, ENGINEER, and CONTRACTOR. Work necessary in connection with emergency changes in the Work shall be strictly limited to the minimum necessary to alleviate the immediate emergency. Work beyond such minimum shall be undertaken only pursuant to a properly issued change order received from the CITY. The CONTRACTOR shall promptly comply with any and all written change orders issued by the CITY, notwithstanding any disputes. No such change order shall be deemed to invalidate the contract.

TS-10.2 No Adjustment of Unit Price: The quantity of material to be placed on the beach is based on beach surveys/technical studies conducted prior to the construction of the Project. No adjustment shall be made in any unit price of the contract for changes ordered by the CITY that cause an increase or decrease less than or equal to twenty-five percent (25%) in the amount of the Work, or by the estimated quantities provided in the contract documents of fill material that is to be placed within fill templates and gullies. It is further provided, however, that no adjustments shall be made in the contract price or time of performance for either lump sum or unit price of Work if the change is expressly or reasonably implied by the Plans and Specifications or is incidental thereto, or if the Work becomes more difficult than the bid price and contract documents would reflect, or if CONTRACTOR failed to protest, negotiate, comment, or otherwise call to the CITY's attention, in writing, any omissions, ambiguities, or conflicts in the contract documents that the CONTRACTOR could have discovered prior to the submission of their bid or execution of the contract. An equitable adjustment may be made to the Contract Price for Unit Price Contracts if changes ordered by the CITY cause the applicable quantity set forth in the Contract Documents to be decreased by more than twenty-five percent (25%). Such adjustments may be made only for that portion of Work that is less than seventy-five percent (75%) of the estimated quantity and shall be supported by data provided by the CONTRACTOR to the CITY, which demonstrate justification for the adjustment in Unit Price.

TS-11.0 SAFETY

The following plans will be submitted to the ENGINEER and CITY for information purposes only. Submission of the plans does not constitute an endorsement on the part of the CITY or ENGINEER that the CONTRACTOR's procedures are safe or meet applicable standards. Safety is the CONTRACTOR's sole responsibility. All costs associated with complying with these safety conditions shall be included in the CONTRACTOR's bid.

TS-11.1 CONTRACTOR Responsibility for Safety: The CONTRACTOR shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

CITY personnel, the ENGINEER and their representatives, the public, all employees and sub-contractors involved in the Work and all other persons who may be affected thereby;

All the Work and all materials or equipment to be incorporated therein, where in storage on or off the site; and,

Other property at the site or adjacent thereto, including trees, shrubs, lawns, natural vegetation, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

TS-11.2 Off-Road Truck (ORT) Escorts: All ORTs shall be escorted to and from the loading and fill placement areas along the beach to assure safety compliance. Escorts and ORTs shall operate at speeds not exceeding 10 mph and slow enough to safely react and avoid beach goers, wildlife, and Project personnel. ORTs may not operate on the beach without an escort at any time.

TS-11.3 Vehicle Inspections: All trucks must be inspected and approved by FDOT prior to performing Work on this Project.

TS-11.4 Familiarity with Safety Standards: The CONTRACTOR shall review the latest Occupational Safety and Hazard Agency (OSHA) standards, for assurance of full knowledge of the personal protective equipment that must be provided to workers and familiarity with the safety standards applicable to the prevention of accidents during the construction of this Project and shall comply with all applicable provisions.

TS-11.5 Oil and Hazardous Material Spills and Containment: The CONTRACTOR shall ensure that all hazardous material spills are immediately reported to the proper authorities and to the CITY. All hazardous material spills shall be immediately cleaned up in accordance with the U.S. Army Corps of Engineers' Safety and Health Requirements Manual, EM 385-1-1. In accordance with EM 385-1-1, the CONTRACTOR shall use suitable methods such as dikes or curbs to prevent the spread of hazardous materials from above ground storage tanks and piping in case of leakage.

TS-11.6 Hurricane and Severe Storm Plan: The CONTRACTOR shall submit a Hurricane and Severe Storm Plan prior to commencing truck hauling operations. This plan shall include, but not be limited to, the following:

- a) Time intervals before storms strike the Project area when action will be taken and details of the actions to be taken. The plan should be specific as to what weather/wave conditions will require Work shutdown, removal of equipment, etc.
- b) List of the equipment to be used on the job and its ability to handle adverse weather and wave conditions.
- c) Methods of securing equipment not moved.

- d) Plan of evacuation to include interim measures; i.e. immediate reaction plans to be taken for all storm occurrences, particularly sudden/flash storms.
- e) The CONTRACTOR shall continually monitor the NOAA marine weather broadcasts and avail themselves of such other local commercial weather forecasting services as may be available. Submission of a Hurricane and Severe Storm Plan does not constitute an endorsement on the part of the CITY or ENGINEER as to the adequacy of the plan.

TS-12.0 PERMISSIBLE WORKDAYS AND HOURS

Unless otherwise approved by the CITY, no truck hauling or beach activities will be permitted on December 25, 2023, Christmas Day, January 1, 2024, New Years Day, and January 15, 2024, Martin Luther King Jr. Day. Otherwise, the hours of operation are available from 7 AM to 5 PM, Monday through Saturday. No trucks shall be operating on-site, including the staging areas, outside of these hours. The CONTRACTOR shall design the Project schedule to avoid all nighttime Work including beach dressing and grading. The CITY Natural Resources Director and CITY Manager shall be consulted for exceptions to Work hours.

TS-13.0 PROJECT NOTIFICATION & OBSERVATION

TS-13.1 Notification: The CONTRACTOR shall specifically notify the CITY and ENGINEER of the CONTRACTOR's intended date of commencement of the following Work milestones prior to commencement:

- (a) Mobilization and material delivery;
- (b) Commencement of the site Work;
- (c) Staking;
- (d) Expected substantial completion of each Reach Work;
- (e) Expected completion of the entire Work.

TS-13.2 Project Uncovering: The presence or absence of the ENGINEER shall not relieve the CONTRACTOR of their responsibility to properly execute the Work in close accordance with these Plans and Specifications. The ENGINEER may order any element of the Work uncovered, at no additional expense to the CITY, in the event the Work was not observed by the ENGINEER or surveyed prior to covering. This condition applies to any source of sand coverage, including from natural processes such as wind, waves, and tides.

TS-13.3 Noncompliance Notification: The ENGINEER shall notify the CONTRACTOR of any observed non-compliance with the Plans and Specifications and/or applicable Federal, State, or local laws & regulations, promptly upon discovery. The CONTRACTOR shall, after receipt of such notice, immediately take corrective action. Such notice, when delivered to the CONTRACTOR or their authorized representative, shall be deemed sufficient for the purpose. If the CONTRACTOR fails or refuses to comply promptly, the CITY may issue an order stopping all or part of the Work until satisfactory corrective action has been taken.

TS-14.0 PROTECTION OF PROPERTY FROM WORK

TS-14.1 Protection of Property: The CONTRACTOR shall collect and provide pre- and post-construction video to include (1) staging and access areas to be used for the Work and (2) the upland dunes, vegetation, and infrastructure along the beach within the Project limits as documentation of the pre- and post-construction conditions and the entire haul route on the island. The pre-construction video shall be provided to the CITY and ENGINEER prior to the commencement of equipment arrival in the staging areas and before any site Work occurs on the beach. The post-construction video shall be provided and reviewed by the CITY and ENGINEER prior to the CONTRACTOR's final demobilization from the Project site. All damages to natural areas, and private or public property resulting from the CONTRACTOR's operations shall be repaired by the CONTRACTOR at the CONTRACTOR's expense. This includes construction access from the street to the beach. The CITY shall determine if repairs are required, and the CITY or owner of the damaged property will determine if the property has been repaired to its previous condition before the CONTRACTOR receives approval of repairs. If the CONTRACTOR fails to repair damages, the CITY may conduct the repair and deduct from payment due to the CONTRACTOR the amount of money required for the repair, including all administrative and engineering costs.

TS-14.2 CONTRACTOR Responsibility: The CONTRACTOR shall at all times guard the Work site or sites and adjacent properties from any damage whatsoever in connection with this contract whether arising from direct operations under this contract, theft, vandalism, or any cause whatsoever. The CONTRACTOR shall at all times protect their own Work from damage; nevertheless, the CONTRACTOR is not responsible for natural erosion of beach sections previously accepted by the ENGINEER for payment. The CONTRACTOR shall make good any and all loss, damage, or injury to the Work, whether arising from direct operations under this contract, weather or sea conditions, theft, vandalism, or any cause whatsoever. The CONTRACTOR will not be responsible for maintenance of beach sections previously accepted by the CITY and ENGINEER beyond leveling of scarps, unless the beach is eroded or damaged due to the activities of the CONTRACTOR.

TS-14.3 Risk of Weather Events: All loss or damage arising out of the nature of the Work, or from the action of the elements, or from weather events, hurricanes, tropical storms, adverse sea state, or from any unusual obstruction or difficulty, or any other natural or existing circumstances either known or unforeseen, that may be encountered in the prosecution of the Work, shall be sustained and borne by the CONTRACTOR at their own cost and expense, including all fill placement that has not been accepted by the ENGINEER for payment.

TS-14.4 Beach Erosion: The CONTRACTOR shall be aware of the dynamic nature of the Project site and account for the likelihood of changing site conditions including, but not limited to, beach erosion and accretion, sediment migration and shoaling, and changes required by the Project fill template. Based on the CONTRACTOR's pre-placement field staking, the CITY and ENGINEER will evaluate the conditions and make a determination regarding adjustments to the Work as prescribed in these contract documents. The CONTRACTOR is not responsible for naturally occurring erosion of any section of the beach fill after it has been accepted for payment by the ENGINEER; however, the CONTRACTOR is responsible for maintaining the beach fill until it is

accepted by the City and ENGINEER and to avoid preventable damage to sections that have been accepted by the ENGINEER. The CONTRACTOR is also responsible to grade and eliminate all beach scarps or cliffs in the Project fill areas, prior to being considered complete and eligible for final payment for that section.

TS-15.0 SITE CLEAN-UP

TS-15.1 General: It is the intent of the CITY that the Work be accomplished with minimum disturbance to the natural resources adjacent to the Work area (specifically, the adjacent upland, lawns, landscaping, trees, dunes, and nearshore areas), and that the immediate and general vicinity of the Work area remain in its pre-Project state subsequent to completion of the Work. All materials utilized by the CONTRACTOR during construction shall be removed from the site; including survey stakes, flagging, and other temporary survey controls. All access to the beach shall be restored to the topographic and vegetative conditions that existed prior to construction. All costs associated with these activities shall be included in the price for Beach Access Restoration.

TS-15.2 Misplaced Material: Should the CONTRACTOR during the progress of the Work, lose, dump, sink, or misplace any material, machinery, equipment, or appliance, the CONTRACTOR shall recover and remove same within twenty-four (24) hours of receipt of said notice at no additional cost to the CITY. The CONTRACTOR shall also give immediate notice to the ENGINEER, with a description and location of such material, plant, machinery, equipment, or appliance. Should the CONTRACTOR refuse, neglect, or delay compliance with the above requirements, such material, plant, machinery, equipment, or appliance may be removed by the CITY, and the cost of such removal may be deducted from any money due or to become due to the CONTRACTOR or may be recovered under their bond.

TS-15.3 Road Debris: The CONTRACTOR shall immediately have those streets or access roadways used for transport of construction materials cleaned or swept of spilled materials (e.g. sand, vegetation, fuel, oil) which resulted from the carriage of material for this Work. Collected material shall be disposed of in a legal manner and at the CONTRACTOR's expense.

TS-15.4 Work Area Debris: The CONTRACTOR shall continually inspect the Work areas to ensure that all debris left by the CONTRACTOR's and sub-contractor's workers has been removed from the Work areas and properly disposed of. This includes, for example, lunch bags, soda cans, drink cups, etc. Any construction debris generated during mobilization, site preparation, excavation, material placement, and/or demobilization shall be removed, such that no debris is left on the beach at the end of the day.

TS-15.5 Delivery Pad Areas: No debris from mats may be left behind on the restored beach, as this would not meet requirements for beach fill quality. Prior to commencement of truck hauling operations, the CONTRACTOR must provide the CITY and ENGINEER with a description of the mats or form of protection proposed for placement in the beach access and delivery pad areas. Truck hauling operations shall not begin until the CITY has provided acceptance of the proposed mats or form of protection. The CITY or ENGINEER may request to visually inspect the mats or form of protection prior to approval. CITY acceptance of the proposed mats or form of protection does not relieve the CONTRACTOR from the responsibility of removing all debris left behind and

necessary repairs.

TS-16.0 NOISE: CONTRACTOR shall conduct all operations in accordance with Federal, State and CITY laws pertaining to noise. Equipment used on this Project shall be equipped with satisfactory mufflers or other sound abatement devices to reduce engine noise. The use of horns, and whistle signals and handling of equipment shall be held to the minimum necessary in order to ensure as quiet an operation as possible on the job site, while maintaining safety on the job site.

TS-17.0 BEACH FILL PLACEMENT

TS-17.1 Debris Removal Beach and Gullies: Prior to placement of fill within a Beach Reach segment, the CONTRACTOR shall remove from the site of the Work all fallen tree limbs, dead plant material, snags, driftwood, and similar debris lying within the foundation limits of the beach dune fill and gully sections. All materials removed shall be taken from the beach area and disposed of in an appropriate and legal manner by the CONTRACTOR. Grading and construction equipment will not be permitted outside the Project limits shown in the Plans except for access to and from the Work area.

TS-17.2 Fill Distribution: The ENGINEER will provide a fill distribution table to the CONTRACTOR prior to commencement of truck hauling operations. The fill distribution table is provided on the Contract Drawings and will specify the quantities required for placement within each acceptance section. The fill distribution table shall guide the CONTRACTOR's fill placement operations, supplemented by their in-progress construction surveys.

TS-17.3 Fill Placement and Tolerance: The material shall be placed and brought to rest on the beach to the lines, grades, and cross-sections indicated in the Plans, unless otherwise provided for herein or directed by the CITY or ENGINEER. A vertical tolerance of 3 inches above and below the design template is allowed. All acceptable sections shall achieve a fill tolerance between a minimum of 95% and a maximum of 105% of the design volume at each measured pay station.

Refined templates may be provided by the ENGINEER based on measured progress of Work, or other limitations or conditions, prior to construction in those sections amended, that will be amended to the Plans and supersede the cross-sections within the Plans. The CONTRACTOR shall maintain and protect the fill in a satisfactory condition at all times until final completion and acceptance of the Work. The beach is subject to changes and the elevations on the beach at the time the Work is done may vary from the elevations shown in the Plans. The pay volumes may vary dependent upon the availability of capacity within the permitted fill template at the time of construction. The CONTRACTOR is to place the fill on the beach in such a manner as to establish a uniform beach between adjacent pay profile lines. Hurricane Ian created numerous troughs, gullies, and dune breaches which need to be filled as identified on the plans and encountered between pay profiles.

TS-17.4 Continuous and Uniform Beach: The filled beach between the construction profiles shall be graded, dressed, and uniform in dimension. Beach sections between construction profiles shall be filled to a minimum of ninety-five (95%) percent of the volume based on the fill templates shown in the fill template cross-sections in the Plans, and to the minimum tolerance everywhere.

The constructed beach contour lines between construction profiles, including areas in which gullies were filled, will be approximately parallel and continuous, indicating that the CONTRACTOR constructed a uniform (non-cuspate) beach between the profile lines to the appropriate elevation and width.

TS-17.5 Fill Between Pay Profile Lines: If the ENGINEER or CITY observe or believe they have observed underfilling of the beach between pay profile lines, the ENGINEER or CITY may request an additional survey be conducted by the CONTRACTOR at the CONTRACTOR's expense. If found to be deficient, the CONTRACTOR shall place additional fill until the beach is uniform in appearance and dimensions between pay profile lines, provides a minimum of ninety-five (95%) percent of the design fill volume, and meets the minimum tolerance at all locations in the acceptance section in order to qualify for payment of that section. Fill will not be obtained from adjacent areas of the beach already accepted to remedy any underfilling.

TS-17.6 Fill Placement Restrictions: The fill shall extend landward to the existing elevation contour that matches the elevations shown on the Contract Drawings unless manmade features such as walkways or established healthy native dune vegetation prohibit fill placement. If a feature extends to the design berm elevation or above, the fill shall terminate at the seaward face of the feature. If the top of the structure is below the dune/berm crest elevation, then the fill shall taper landward using a one (1) foot vertical to ten (10) feet horizontal slope to one (1) foot below the crest of the structure to prevent burial or overtopping with sediment. If a dune vegetation line is below the dune/berm crest elevation, then the fill shall taper landward to the edge of the vegetation as directed by CITY or ENGINEER. If the dune vegetation is scarce or missing, the template shall be filled in completely. Remnants of the dunes damaged by Hurricane Ian shall be covered if they are within the fill template, to rebuild the dunes. Extensive areas of existing well established native dune vegetation should be avoided where practical.

The CONTRACTOR shall make every attempt to retain placed fill within the beach fill template. The CONTRACTOR shall protect existing drainage structures and operations. Any material permitted to flow into or restrict the flow of an existing ditch, canal, or drainpipe, shall be promptly removed. Structures within the fill section shall be protected by the CONTRACTOR to prevent damage thereof by the CONTRACTOR's operations.

TS-17.7 Grading and Dressing the Fill: Upon completion of all filling operations within an acceptance section, and prior to surveying for payment, the fill shall be graded and dressed with a dragged pipe or other material so as to eliminate any undrained pockets, ridges, and depressions in the beach fill surfaces.

TS-17.8 Escarpments: Any escarpments exceeding 12 inches in height (on average) and over 100 feet in continuous length, shall be leveled or smoothed to eliminate the escarpment. The CITY and ENGINEER will observe the beach after leveling dry beach escarpments to ensure that the CITY and ENGINEER agree that all escarpments have been leveled as necessary. The CONTRACTOR shall level any escarpments found by the ENGINEER or CITY, at their request throughout construction until a Beach Reach has been deemed accepted.

The bank or scarp caused by wave erosion shall be graded down to a slope not steeper than one (1) foot vertical to ten (10) feet horizontal and remain upland of Mean High Water. The CONTRACTOR shall grade down any and all beach scarps or sand cliffs in the entire filled beach until the CONTRACTOR has demobilized from an accepted Beach Reach identified in these Technical Specifications and Contract Drawings. A beach fill Reach will not be considered complete, nor the CONTRACTOR eligible for final payment for that Reach, until all beach scarps in the Reach area are graded.

TS-17.9 Right to Vary Beach Design Dimensions: The ENGINEER reserves the right to vary the width or grade of the berm from the lines and grades shown in the Plans due to changes in beach conditions. The beach fill cross-sections shown in the Plans are for the purpose of estimating the amount of fill needed and will be used by the ENGINEER in making any change in the lines and grades.

TS-18.0 RETAINAGE

Retainage will be based on instructions from the CITY's Finance Department.

TS-19.0 PAYMENT FOR MOBILIZATION AND DEMOBILIZATION

TS 19.1 General: The Work specified in this section consists of the preparatory Work and operations in mobilizing for beginning Work on the Project, including, but not limited to, those operations necessary for the movement of personnel, equipment, supplies, and incidentals to the Project site, and for the establishment of temporary , utilities, traffic control, safety equipment, first aid supplies, sanitary, and other facilities, as required by local codes and these Technical Specifications and applicable laws and regulations. The costs of bonds and any required insurance, and any other pre-construction expense necessary for the start of the Work, excluding the cost of construction materials, shall also be included in this section.

TS-19.2 Mobilization: All costs connected with the mobilization and demobilization of all CONTRACTOR's equipment and personnel will be paid for at the contract lump sum price for this item. Sixty percent (60%) of the lump sum price will be paid to the CONTRACTOR after the placement of a quantity of, at minimum at an approved Beach Reach, one thousand (1,000) tons of material on the beach and placed within the beach fill template including gullies for a minimum of four (4) days. The remaining forty percent (40%) will be included in the final payment for Work upon final acceptance of Work by CITY and ENGINEER under this contract. Payments for mobilization and all payment except for the final payment will be subject to retainage until final acceptance of the Project by the CITY per the CITY's Standard Terms and Conditions.

TS-19.3 Cost Review: In the event that the cost for the mobilization and demobilization does not bear a reasonable relation to the cost of the entire Work in this contract, then the ENGINEER may require the CONTRACTOR to produce cost data to justify this portion of the bid. The ENGINEER will utilize previously bid projects of a similar nature in the vicinity of Southwest Florida as a guideline to evaluate the mobilization and demobilization costs. Failure to justify such price to the satisfaction of the ENGINEER and the CITY will result in payment of

mobilization costs, as estimated by the ENGINEER at the completion of mobilization, and payment of the remainder of this item in the final payment under this contract.

TS-20.0 PAYMENT FOR TRANSPORT, FILL PLACEMENT, GRADING, AND SAND ANALYSIS

TS-20.1 General: Other than costs for mobilization, demobilization, maintenance of traffic, debris removal, and beach access restoration, all other costs associated with the beach and dune construction Project including, but not limited to, site cleanup and preparation, weight ticket tracking, laboratory testing, site repairs, sand transport, staging, and placement shall be included in the contract unit price per ton on the bid form by construction access point. The unit price shall also include all other items of overhead, profit, labor, material, and any other costs incidental to performing the Work. The direct cost for the sand material from the mine(s) will be a separate Bid line item so that the CITY may exercise their right to pay for the sand directly with the sand mine.

TS-20.2 Basis of Payment: The basis of the payment will be the weight of sand delivered determined by weight tickets and placed on the beach within the gullies and the design template and acceptance section between R-monuments per construction access point. The location and volume of placement will be verified by the pre- and post-placement surveys. Reconciliation of truck tickets created at the mine and collected at the beach stockpile is essential for accurate payments. The CONTRACTOR shall collect, log, and furnish copies of all truck tickets at the Project site prior to placement on the beach in accordance with these Specifications. CONTRACTOR will collect a copy of truck weight tickets at the beach delivery site and quantities shall be reconciled between the CITY, ENGINEER, and CONTRACTOR. CONTRACTOR shall provide weekly summaries to CITY and ENGINEER. Electronic copies of all truck tickets and delivery will be emailed to the CITY and ENGINEER as part of the Daily Reports. Sand removed from the beach and placed in the construction template will not count towards the pay quantity (tonnage). The CONTRACTOR shall not place or manipulate the sand to change its unit weight or volume prior to placement surveys.

TS-20.3 Requests for Payment: The CONTRACTOR may request payment for fill placement on a monthly basis, and at completion of the Project, upon final acceptance by the ENGINEER of the completed beach nourishment Reaches. The CONTRACTOR will be eligible for progress payments when fill sections have been filled to a minimum of 95% of the total beach fill section volume. The beach fill volume for a section is the volume to completely fill the approximate 1,000-foot section along the Project to the construction template requirements shown in the Plans including gullies or the superseding refined design provided by the ENGINEER. Payment will be based on reconciled truck tickets verified by the filled and dressed acceptance sections completed during the previous pay period, which have been approved for payment by the ENGINEER. The CONTRACTOR shall submit to the ENGINEER and CITY for review on a monthly basis, an application for progress payment filled out and signed by CONTRACTOR covering the Work completed as is required by the contract documents and accompanied by such supporting documentation as is required by the contract documents and also as the ENGINEER may reasonably require. The payment request will also tabulate and reconcile the amount of sand delivered to the Project and from which mine and to which Beach Access. All payments will be subject to retainage per the CITY's Standard Terms and Conditions until final acceptance of the Project.

TS-20.4 Minimum Fill Requirements: Payment shall be for fill placed within the construction template and washout gullies, as shown in the Plans and updated by the ENGINEER using pre-placement survey data. The minimum vertical tolerance below the template is 0.25 feet (3 inches) and shall be achieved everywhere within areas filled and for which payment has been requested. Notwithstanding these fill placement tolerances, fill placement must at least meet the 0.25-foot tolerance below the construction template everywhere on the constructed beach berm within the Project limit shown in the Plans, and the minimum requirement of 95% of the fill volume for each acceptance section must be met. The CONTRACTOR shall fill any deficient section of beach to, at minimum, meet the template tolerance everywhere on the constructed beach berm, and to a minimum of 95% of the fill volume for the acceptance section. The CITY will withhold payment for acceptance sections that do not meet the minimum required fill requirements until the required fill placement and dressing has been completed by the CONTRACTOR.

TS-20.5 Computation of Payment Quantities: Computation of pay tonnage will be based on truck weight tickets collected for sand placed within the acceptance sections. Computations of volumes shall be made by the CONTRACTOR and ENGINEER tabulating truck tickets and using survey data provided by the CONTRACTOR to verify tonnage placed. Quantities of beach fill satisfactorily placed, and meeting beach fill design template requirements and volumes will be computed for payment support by use of the average end-area method and an assumed 1 cubic yard to 1.5 ton conversion factor. The distance between each profile line to be used for fill computation is the perpendicular distance between each profile line along the Project baseline shown in the Plans. The CONTRACTOR shall account for this method of fill volume calculation when estimating the bid prices. Payment will be provided for fill contained within the payment profile construction templates and a visual inspection of fill between R-monuments. No payment will be provided for fill placed above the tolerance, or outside of the template, except as indicated below. A similar approach will be applied to gullies based on available data and post fill surveys.

TS-20.6 Fill Used for Construction Access: It is understood that fill material may be required by the CONTRACTOR to establish a pad for fill delivery, stockpiling and loading, and to construct access for ORTs throughout the beach fill area. To the greatest extent practical, this material should be placed within the limits of the construction template or regraded into the construction template once construction use of this material is complete.

TS-21.0 FINAL ACCEPTANCE AND PAYMENT

TS-21.1 Road, Infrastructure and Access Points Repair before Final Payment: Roads, beach access, and infrastructure impacted by the CONTRACTOR's operation shall be repaired to a level acceptable to the CITY prior to final payment. Truck haul sand operations may cause impacts needing repairs unless infrastructure and natural resources are protected during construction.

TS-21.2 ENGINEER's Recommendation for Final Payment: The ENGINEER's recommendation of final payment for the Project will constitute a representation by the ENGINEER to the CITY that, in the ENGINEER's opinion, the conditions precedent to the CONTRACTOR's being entitled to final payment as set forth in the contract documents have been fulfilled.

TS-21.3 Completion of Work: Upon written notice from the CONTRACTOR that the Work is substantially complete, the ENGINEER or CITY will observe the Work within seven (7) days of the receipt of the written notice from the CONTRACTOR and, if required, will notify the CONTRACTOR in writing of all particulars in which this inspection reveals that the Work is incomplete or defective. The CONTRACTOR shall immediately take such measures as are necessary to remedy such deficiencies.

TS-21.4 Application for Final Payment: After the CONTRACTOR has completed all such corrections to the satisfaction of the ENGINEER and CITY, and delivered any required quality control reports, data requested by the ENGINEER, guarantees, bonds, certificates of inspection, marked-up record documents, and all other documents as required by the contract documents or ENGINEER, and after the ENGINEER has indicated that the Work is acceptable to the ENGINEER and CITY, the CONTRACTOR may make application for final payment. The final application for payment shall be accompanied by all documentation called for in the contract documents and such other data and schedules as the ENGINEER may reasonably require, together with complete and legally effective releases or waivers (satisfactory to CITY) of all liens arising out of, or filed in connection with, the Work.

TS-21.5 Recommendation for Final Payment: If, on the basis of the ENGINEER's observation of the Work during construction and post-construction, and the ENGINEER's review of the final application for payment and accompanying documentation the ENGINEER is satisfied that the Work has been completed and the CONTRACTOR has fulfilled all of their obligations under the contract documents, the ENGINEER will, within seven (7) days after receipt of the final application for payment, indicate in writing their recommendation of payment and present the application to the CITY. If the application and accompanying documentation are acceptable as to form and substance, the CITY shall, within thirty (30) days after receipt of the ENGINEER's recommendation for final payment, pay the CONTRACTOR the amount recommended by the ENGINEER or other such amounts deemed appropriate by the CITY in consultation with the ENGINEER. If the ENGINEER is not satisfied that the Work is completed, the ENGINEER will return the application to the CONTRACTOR, indicating in writing the reasons for refusing to recommend final payment, in which case the CONTRACTOR shall make the necessary corrections and resubmit the application.

TS-21.6 Making and Acceptance of Final Payment: The making and acceptance of final payment shall constitute:

- (a) A waiver of all claims by the CITY against the CONTRACTOR, except claims arising from unsettled liens, from defective Work appearing after Project completion, or from failure to comply with the contract documents or the terms of any guarantees specified therein; however, final payment shall not constitute a waiver by the CITY of any rights in respect to the CONTRACTOR's continuing obligations under the contract documents.
- (b) A waiver of all claims by the CONTRACTOR against the CITY other than those previously made in writing and still unsettled.

TS-22.0 DEFECTIVE WORK

TS-22.1 One Year Correction Period: If within one (1) year after the date of completion or such longer period of time as may be prescribed by law or by the terms of any applicable guarantee required by the contract documents or by any specific provision of the contract documents, any Work is found to be defective, the CONTRACTOR shall promptly, without cost to the CITY and in accordance with the CITY's written instructions, either correct such defective Work or, if it has been rejected by the CITY, remove it from the site and replace it with non-defective Work. If the CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk or loss or damage, the CITY may have the defective Work corrected or the rejected Work removed and replaced. All costs associated with correction of defective Work, including compensation for additional professional services, shall be paid by the CONTRACTOR. The CONTRACTOR will not be held responsible for erosion of the beach fill after acceptance of completed fill Reaches by the ENGINEER. However, if unsuitable material including but not limited to rocks, debris, or construction materials placed as a result of the CONTRACTOR's operations are found within one (1) year of the Project completion, the CONTRACTOR will be held responsible to correct this at no further cost to the CITY.