

County of Georgetown, South Carolina

129 Screven Street, Suite 239 · Georgetown, SC 29440-3641 Post Office Box 421270, Georgetown, SC 29442-4200 (843)545-3083 · Fax (843)545-3500 · <u>purch@gtcounty.org</u>

INVITATION FOR BIDS

BID NUMBER: 20-095 ISSUE DATE: Wednesday, December 02, 2020

OPENING DATE: Wed. December 30, 2020 OPENING TIME: 3:00 PM (Eastern NIST) Bid Opening Location: Georgetown County Courthouse, Suite #239, (Purchasing Conference Room) Pre-Bid Site Inspection: INDEPENDENT, on own

PROCUREMENT FOR: Repair of Garden City Beach Access/Dunes Crossover #43 Commodity Code(s): 12035, 95990

Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at the location and time stated herein and will be publicly opened and read.

IMPORTANT COVID-19 NOTICE: Until further notice all bids <u>MUST BE</u> submitted electronically through the Purchasing Department's Vendor Registry webpage. Please click on the following link <u>http://www.georgetowncountysc.org/purchasing/default.html</u> for instructions on how to submit bids electronically through this system. As always, emailed/faxed bids will not be accepted. Your bid must be submitted electronically through Georgetown County's Purchasing Vendor Registry page to ensure it remains sealed until the scheduled bid opening date and time.

Any scheduled bid openings will still be opened at the designated date and time as listed in the bid document or related addendum. However, due to the office closure to the public at the time of this bid issuance, these bid openings will not be open to the public, but will be accompanied by at least one witness. As usual, following the bid opening, bid tabulation results will be posted online for the public's viewing.

MAILING ADDRESS:	MA	ILIN	G AD	DRESS	:
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County of Georgetown Post Office Drawer 421270 Georgetown SC 29442-4200 Attn: Purchasing

STREET ADDRESS:

Historic Georgetown County Courthouse 129 Screven Street, Suite 239 Georgetown SC 29440-3641 Attn: Purchasing

Purchasing Contacts:

Phone Fax: E-mail: Kyle Prufer (843)545-3076 (843)545-3500 purch@gtcounty.org **Pamela Bassetti** (843)545-3082 (843)545-3500 pbassetti@gtcounty.org

This solicitation does not commit Georgetown County to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services. It is the responsibility of each bidder to see that the Georgetown County Purchasing Office receives bids on, or before, the date and time specified for the bid opening. No bid will be accepted thereafter. The County assumes no responsibility for delivery of bids that are mailed. Georgetown County reserves the right to reject any or all bids and to waive any informalities and technicalities in the bid process.

Intent to Respond



REF: IFB #20-095, Repair-Beach Access/Dunes Crossover #43

If your company intends to respond to this solicitation, please complete and promptly return this form to assure that you can be included on the mailing list to receive all addenda regarding this project.

It is not necessary to return any other portion of the bid documents if you are not bidding.

Failure to return the Intent to Respond shall not be sufficient cause to rule a submittal as non-responsive; nor does the return of the form obligate an interested party to submit a response. Georgetown County's efforts to directly provide interested parties with addenda or additional information are provided as a courtesy only, and do not alleviate the respondent from their obligation to verify they have received and considered all addenda. All addenda are published and available on the county website at <u>www.gtcounty.org</u> select "purchasing" and "current bids".

Our firm <u>does</u> intend on responding to this solicitation.

Our firm **<u>does not</u>** intend on responding to this solicitation.

Company Name:
Address:
Contact Person:
Celephone:
FAX:
E-Mail:

Please return this completed form to Purchasing Office

- by e-mail to purch@gtcounty.org
- or by FAX to (843)545-3500.

[End of Intent to Respond]

Repair of Beach Access/Dunes Crossover #43 INVITATION FOR BIDS

Time Line: IFB #20-095

Item	Date	Time	Location*
Advertised Date of Issue:	Wednesday, Dec. 02, 2020	n/a	n/a
Pre-Bid Site Inspection:	INDEPENDENT: On Own	n/a	n/a
Deadline for Questions:	Wed., December 16,2020	3:00PM ET	Suite 239
Bids Must be Received on/or Before:	Wed., December 30, 2020	3:00PM ET	Suite 239
Public Bid Opening & Tabulation:*	Wed., December 30, 2020	3:00PM ET	Suite 239
Administrator/Council Approval:**	Tuesday, January 12, 2021	5:30PM ET	Council Chambers
Earliest Possible Notice to Proceed:	Monday, January 25, 2021	n/a	n/a

*Due to the current COVID-19 situation, County offices at the time of this bid posting remain open but access to the public may be limited to support social distancing efforts. At the time of this posting, bid openings are being performed virtually and may occur from an alternate secure and/or remote location as needed. A virtual meeting link will be posted under the bid number before the bid opening time so that members of the public may attend the meeting virtually **Administrator/Council Approval: The lovel of approval is dependent upon bid threshold

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Request for Proposal #20-095 Repair of Beach Access/Dunes Crossover #43

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Any scheduled bid openings will still be opened at the designated date and time as listed in the bid document or related addendum. However, at the time of this bid issuance these bid openings will be conducted virtually. As always, bid openings will be accompanied by at least one witness and bid tabulation results will be posted online for the public's viewing after the bid opening.

Introduction

The Georgetown County, SC Department of Parks and Recreation is soliciting sealed bids for the Repair of Beach Access/Dunes Crossover #43 located in the Garden City community, on what is commonly known as the Waccamaw Neck. The nearest GPS address is 1943 S Waccamaw Drive, Murrells Inlet, SC 29576-5516.

Scope of Work

- 1) The County seeks to restore the timber beach access/dune walkover to its original condition prior to the damage incurred from Hurricane Dorian in 2019. This walk-over was constructed in 2017.
- 2) This project may consist of, but not be limited to: demolish and removal of damaged portions of the dune walkover; and the labor and material to reconstruct the walk-over to the original specifications and requirements in the plans and drawings. The work performed under this Contract shall include, but may not be limited to the furnishing of all labor, materials, equipment and services, whether specifically mentioned or not, that is required to complete the project. All requirements of the State of South Carolina and all pertinent administrative regulations shall apply to this project as if herein written out in full.

Site Inspection:

- 1) The bidder is expected to have become familiar with and take into consideration, site conditions which may affect the work and <u>to check all dimensions at the site</u>.
- 2) Each bidder shall acquaint themselves thoroughly as to the character and nature of the work to be done. Each bidder furthermore shall make a careful examination of the site of the work and inform themselves fully as to the difficulties to be encountered in performance of the work, the facilities for delivering, storing and placing materials and equipment and other conditions relating to construction and labor.
- 3) The bidder shall examine the premises and the site and compare them with any applicable drawings and specifications. He/she shall familiarize themselves with the existing conditions such as obstructive area levels and any problems related to erecting the required systems.
- 4) No plea of ignorance of conditions that exist or may hereafter exist on the site of the work, or difficulties that may be encountered in the execution of the work, as a result of failure to make necessary investigations and examinations, will be accepted as an excuse for any failure or omission on the part of the Contractor to fulfill in every detail all the requirements of the contract documents and to complete the work for the consideration set forth therein, or as a basis for any claim whatsoever.
- 5) Insofar as possible, the Contractor, in carrying out his/her work, must employ such methods or means as will not cause interruption of or interference with the work of any other Contractor, or County personnel at the site.
- 6) When boring data is provided by the Owner, the Bidder shall assume responsibility for any conclusions he/she may draw from such data. (S)he may employ his/her own consultants to analyze available information and shall be responsible for any conclusions drawn from that information. The cost of such employment shall be borne solely by the Bidder.

A Construction Contract will be awarded to the firm submitting the lowest, most responsive and responsible proposal as determined by the County. Georgetown County reserves the right to reject any and all proposals for any reason at any time prior to execution of the Contract. It further reserves the right to waive any and all technicalities and formalities in the proposal process as well as accept in whole or in part such proposal or proposals where it deems it advisable in protection of the best interests of the County and to hold all proposals for examination for a period not to exceed ninety (90) calendar days. The selected Contractor is encouraged to utilize, to the extent possible, local firms and trades from within Georgetown County.

Bidding and Sample Contract Documents, General Requirements, Plans and Technical Specifications may be viewed and downloaded on line at the County Website <u>www.gtcounty.org</u>, select "Bid Opportunities" from the *Quick Links* box on the homepage. The owner's website is the only officially posted location for these documents.

The County will work with the awarded contractor to designate an acceptable lay-down area. There is no fences enclosure available, and if temporary fencing is required it will be the contractor's responsibility and cost.

The following pages of the original construction documents are attached hereto by addendum, and are also available for download:

- 1) Sheet G01: Cover Page
- 2) Sheet 6: Beach Access Locations (Nos. 41-44)
- 3) Sheet II-SOW, Page 3 of 3: Scope of Work Identifying Details D-Walkway, F-Ramp, and B-Stairs
- 4) Sheet B S1.02: Stairs Detail
- 5) Sheet D S1.04: Walkway Detail
- 6) Sheet F S1.06: Ramp to Grade
- 7) Sheet G: Typical Pile Cap Detail
- 8) Sheet K: Garbage Bin Detail
- 9) Sheet S3.01: Structural Notes

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1. Submission of Questions

Questions must be submitted in writing via electronic mail, facsimile or postal mail to the Issuing Officer no later than the "Deadline for Questions" cutoff identified in the Bid Timeline on page two (2) in order to generate an official answer. All written questions will receive an official written response from the Georgetown County Purchasing Office (GCPO) and will become addenda to the solicitation.

GCPO reserves the right to reject or deny any requests made by the provider.

Impromptu, unwritten questions are permitted and verbal answers may be provided, but are only intended as general direction and will not represent the official GCPO position. The only official position of GCPO is that which is stated in writing and issued in the solicitation as addenda thereto.

No other means of communication, whether oral or written, shall be construed as a formal or official response/statement and may not be relied upon. SEND QUESTIONS TO:

Kyle Prufer, Acting Purchasing Officer Post Office Box 421270 Georgetown, SC 29442-1270 Fax: (843) 545-3500 Email: <u>purch@gtcounty.org</u>

- Written sealed public bids for a Design/Build Construction Contract to provide <u>Repair of Beach</u> <u>Access/Dunes Crossover #43</u> shall be received per the instructions herein. Bids will then be publicly and promptly opened at the designated time by the Purchasing Officer. Bids that are not in the Purchasing Officer's possession prior to the stated opening date and time will be considered <u>NON</u> <u>RESPONSIVE</u> and returned unopened. An official authorized to bind the offer must sign all proposals submitted.
- 3. <u>IMPORTANT COVID-19 NOTICE:</u> Until further notice all bids <u>MUST BE</u> submitted electronically through the Purchasing Department's Vendor Registry webpage. Please click on the following link <u>http://www.georgetowncountysc.org/purchasing/default.html</u> for instructions on how to submit bids electronically through this system. As always, emailed/faxed bids will not be accepted. Your bid must be submitted electronically through Georgetown County's Purchasing Vendor Registry page to ensure it remains sealed until the scheduled bid opening date and time.
- 4. <u>Inclement Weather/Closure of County Courthouse</u> Due to the current COVID-19 situation, County offices at the time of this bid posting remain open but are limited to the public. Bid openings may occur from an alternate secure and/or remote location as needed.
- 5. This solicitation does not commit Georgetown County to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services. It is the responsibility of each bidder to see that the Georgetown County Purchasing Office receives bids on, or before, the date and time specified for the bid opening. No bid will be accepted thereafter. The County assumes no responsibility for delivery of bids that are mailed. Georgetown County reserves the right to reject any or all bids and to waive any informalities and technicalities in the bid process.

- 6. <u>No Bidder may submit more than one bid</u>. Multiple bids for different manufacturers but represented by the same firm will not be accepted. Bids offered directly from manufacturers shall indicate if a local dealer/representative will be involved.
- 7. Definitions:
 - a) The terms "Proposer", "Offeror", "Vendor" or "Bidder" refer to those parties who are submitting sealed responses for the work set forth in this document to the OWNER, as distinct from a subbidder who provides a bid to the Bidder. The term "Contractor" refers to the successful Bidder.
 - b) The term "<u>Repair of Beach Access/Dunes Crossover #43</u>" or "Project" refers to the complete set of services as specified in this document, in every aspect.
 - c) The terms "Owner" and "County" refer to the County of Georgetown, South Carolina.
 - d) Where the words "shall" or "must" are used, it signifies an absolute minimum function or capacity that, if not satisfied, may result in disqualification.
 - e) Where the words "should", "may", or "is desirable" are used, it signifies desirable, but not mandatory functions or capacities. Bidders who are able to provide these functions or capacities may be evaluated more favorably that those who cannot.
- 8. Correction or Withdrawal of Bids; Cancellation of Awards

An offeror must submit in writing a request to either correct or withdraw a bid to the Procurement Officer. Each written request must document the fact that the offeror's mistake is clearly an error that will cause him substantial loss.

- a) Correction of awards : An offeror shall not be permitted to correct a bid mistake after bid opening that would cause such offeror to have the low bid unless the mistake in the judgment of the Procurement Officer is clearly evident from examining the bid document; for example, extension of unit prices or errors in addition.
- b) Cancellation of awards prior to performance: When it is determined after an award has been issued but before performance has begun that Georgetown County's requirements for the goods or services have changed or have not been met, the award or contract may be canceled and either reawarded or a new solicitation issued.
- 9. Faxed or E-mailed bids will not be accepted by Georgetown County. <u>Electronic bid submissions must</u> be submitted through the Georgetown County Purchasing Vendor Registry page to ensure they remain sealed until the scheduled bid opening date and time.
- 10. If you need any reasonable accommodation for any type of disability in order to participate in this procurement, please contact the purchasing office as soon as possible.
- 11. Any deviations from the specifications or modification of this bid and any extra or incidental work or reductions in work shall be set forth in writing and signed by both parties prior to making such change. Any increase or decrease in the bid price resulting from such change shall be included in writing.
- 12. <u>Exceptions</u>: The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid. When Proposers find instances where they must take exception with certain requirements or specifications of the bid, all exceptions shall be clearly identified. Written explanations shall include the scope of the exceptions, the ramifications of the

exceptions for the County of Georgetown, and a description of the advantage to be gained or disadvantages to be incurred by the County as a result of these exceptions. If none, write "NONE".

- 13. Georgetown County reserves the right to reject any or all bids, and to waive as an informality any irregularities contained in any bid as may be deemed in the best interest of the County. Georgetown County further reserves the right to reject any bid submitted, at its sole option, that the vendor may not be able to meet the service requirements of the bid.
- 14. <u>Publicity releases</u>: contractor agrees not to refer to award of any resulting contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the user.
- 15. <u>Material Safety Data Sheets</u>: The County of Georgetown will not receive any materials, products, or chemicals which may be hazardous to an employee's health unless accompanied by a Material Data Sheet when received.
- 16. <u>Ownership of Copyright</u>: All right, title and interest in all copyrightable materials which vendor shall create in the performance of its obligations hereunder shall be the property of the procurer. Vendor agrees to assign and hereby does assign any and all interest it has in and to such material to procurer. Vendor agrees, upon the request of procurer to execute all papers and perform all other such acts necessary to assist procurer to obtain and register copyrights on such materials. Where applicable, works of authorship created by the vendor in the performance of its obligations hereunder, shall be considered "works for hire" as defined in the U.S. Copyright Act.
- 17. <u>Ownership of Documents</u>: Any reports, studies, photographs, negatives or other documents prepared by vendor in the performance of its obligations shall be the exclusive property of the procurer and all such material shall be remitted to the procurer by the vendor upon completion, termination or cancellation of this order. Vendor shall not use, willingly allow or cause to have such material used for any purpose other than performance of its obligations under this order without the prior written consent of the procurer.
- 18. <u>Affirmative Action</u>: The contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without regard or discrimination by reason of age, race, color, religion, sex, national origin or physical handicap. The following are incorporated herein by reference: 41 C.F.R. 60-1.4, 60-250.4 and 60-741.4.
- 19. Bidders must clearly mark as "confidential" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under section 30-4-40, Code of Laws of South Carolina 1976, as amended (Freedom of Information Act). If any part is designated as confidential, there must be attached to that part an explanation of how this information fits within one or more categories listed in section 30-4-40. The County reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the County or its agents for its determination in this regard.

20. CERTIFICATION REGARDING DRUG-FREE WORKPLACE:

The contractor certifies that the vendor(s) will provide a "drug-free workplace" as that term is defined in Section 44-107-30 of the Code of Laws of South Carolina, 1976, as amended, by the complying with the requirements set forth in title 44, Chapter 107.

- 21. Nothing herein is intended to exclude any responsible vendor, his product or service or in any way restrain or restrict competition. On the contrary, all responsible vendors are encouraged to bid and their bids are solicited.
- 22. Acknowledgement of Addenda

Each contractor is responsible to verify the number of total addenda issued prior to bid. **Failure to acknowledge all addenda may disqualify the bidder.** All addenda are posted by the County at the website located at <u>www.gtcounty.org</u>, select "Current Bids" from the *Quick Links* box. It is each proposer's responsibility to verify that all addenda have been received and acknowledged.

23. <u>Bids must be made on Proposal or Bid Form furnished or will be rejected.</u> Proposals shall be typewritten or written in legibly on the form supplied by the County. The person signing the bid shall initial all corrections or erasures.

24. Insurance

The successful bidder shall procure, maintain, and provide proof of, insurance coverage for injuries to persons and/or property damage as may arise from or in conjunction with, the work performed on behalf of the County by the bidder, his agents, representatives, employees or subcontractors. Proof of coverage as contained herein shall be submitted fifteen (15) days prior to the commencement of work and such coverage shall be maintained by the bidder for the duration of the contract period; for occurrence policies.

a. <u>General Liability</u>

Coverage shall be as broad as: Comprehensive General Liability endorsed to include Broad Form, Commercial General Liability form including Products/Completed Operations.

1. <u>Minimum Limits</u>

General Liability: \$1,000,000 General Aggregate Limit \$1,000,000 Products & Completed Operations \$1,000,000 Personal and Advertising Injury \$1,000,000 Each Occurrence Limit \$50,000 Fire Damage Limit \$50,000 Medical Expense Limit

b. <u>Automobile Liability</u>

Coverage sufficient to cover all vehicles owned, used, or hired by the bidder, his agents, representatives, employees or subcontractors.

1. <u>Minimum Limits</u>

Automobile Liability:

\$1,000,000 Combined Single Limit \$1,000,000 Each Occurrence Limit \$5,000 Medical Expense Limit

c. <u>Workers' Compensation</u>

Limits as required by the Workers' Compensation Act of SC. Employers Liability, \$1,000,000.

d. <u>Owners' & Contractors' Protective Liability</u>

Policy will be in name of County. Minimum limits required are \$1,000,000.

e. <u>Professional Liability</u>

Minimum limits are \$1,000,000 per occurrence.

- f. <u>Coverage Provisions</u>
 - 1. All deductibles or self-insured retention shall appear on the certificate(s).
 - 2. The County of Georgetown, its officers/ officials, employees, agents and volunteers shall be added as "additional insured" as their interests may appear. This provision does not apply to Professional Liability or Workers' Compensation/Employers' Liability.
 - 3. The offeror's insurance shall be primary over any applicable insurance or self-insurance maintained by the County.
 - 4. Shall provide 30 days written notice to the County before any cancellation, suspension, or void of coverage in whole or part, where such provision is reasonable.
 - 5. All coverage for subcontractors of the bidder shall be subject to all of the requirements stated herein.
 - 6. All deductibles or self-insured retention shall appear on the certificate(s) and shall be subject to approval by the County. At the option of the County, either; the insurer shall reduce or eliminate such deductible or self-insured retention; or the bidder shall be required to procure a bond guaranteeing payment of losses and related claims expenses.
 - 7. Failure to comply with any reporting provisions of the policy(s) shall not affect coverage provided the County, its officers/officials, agents, employees and volunteers.
 - 8. The insurer shall agree to waive all rights of subrogation against the County, its' officers/officials, agents, employees or volunteers for any act, omission or condition of premises which the parties may be held liable by reason of negligence.
 - 9. The bidder shall furnish the County certificates of insurance including endorsements affecting coverage. The certificates are to be signed by a person authorized by the insurance company(s) to bind coverage on its' behalf, if executed by a broker, notarized copy of authorization to bind, or certify coverage must be attached.
 - 10. All insurance shall be placed with insurers maintaining an A.M. Best rating of no less than an A:VII. If A.M. Best rating is less than A:VII, approval must be received from County's Risk Officer.

25. Workman's Compensation Coverage

Georgetown County, SC will require <u>each contractor and service provider</u> to maintain on file with the purchasing officer, a current Certificate of Insurance showing limits as required by the Workers' Compensation Act of SC: Employers Liability, \$1,000,000.

The law also recognizes "statutory employees." These are employees who work for a subcontractor who may be working for a business or another contractor. Employers should inquire whether or not a subcontractor working for them has workers' compensation insurance, regardless of the number of employees employed by the subcontractor. If the subcontractor does not, the subcontractor's injured employees would be covered under the employer's workers' compensation insurance. If the subcontractor does not carry workers' compensation insurance, then the owner or the principal contractor would be liable just as if the subcontractor's employee was one of their employees.

For answers to additional questions, visit the SC Worker's Compensation Commission website, at: <u>http://www.wcc.sc.gov/Pages/FrequentlyAskedQuestions.aspx#emp1</u>

26. <u>Hold Harmless Clause</u>

The Contractor shall, during the term of the contract including any warranty period, indemnify, defend, and hold harmless the County, its officials, employees, agents, and representatives thereof from all suits, actions, or claims of any kind, including attorney's fees, brought on account of any personal injuries, damages, or violations of rights, sustained by any person or property in consequence of any neglect in safeguarding contract work or on account of any act or omission by the contractor or his employees, or from any claims or amounts arising from violation of any law, bylaw, ordinance, regulation or decree. The vendor agrees that this clause shall include claims involving infringement of patent or copyright.

27. Condition of Items

All items shall be new, in first class condition, including containers suitable for shipment and storage, unless otherwise indicated herein. Verbal agreements to the contrary will not be recognized.

28. Workmanship and Inspection

All work under this contract shall be performed in a skillful and workmanlike manner. The County may, in writing, require the Contractor to remove any employee from work that the County deems incompetent or careless.

Further, the County may, from time to time, make inspections of the work performed under this contract. Any inspection by the County does not relieve the Contractor from any responsibility regarding defects or other failures to meet the contract requirements.

29. Invoicing and Payment

The firm shall submit invoices on a frequency to be determined, as agreed upon by the County, for each payment requested. Such invoice shall also include a detailed breakdown of all charges. All such invoices will be paid within thirty (30) days unless any items thereon are questioned, in which event payment will be withheld pending verification of the amount claimed and the validity of the claim. The firm shall provide complete cooperation during any such investigation. All invoices shall be forwarded to the following address:

County of Georgetown Accounts Payable P.O. Box 421270 Georgetown, SC 29442-1270

Individual contractors shall provide their social security numbers, and proprietorships, partnerships, and corporations shall provide their federal employer identification number on the pricing form.

20. Progress Payments (If Necessary)

Contractor's Application for Payment shall be submitted to the Owner on AIA Document G702 and G703--1992 Edition, or such other form as may be mutually agreed upon. The period covered by each Application for Payment shall be not less than one calendar month. The Owner shall make progress payments to the Contractor on undisputed amounts certified by the Architect within twenty-one (21) days from receipt of the Application for Payment by the Owner in accordance with Title 29, Chapter 6 of the Code of Laws of South Carolina, 1976, as amended.

30. South Carolina Sales Tax

The County of Georgetown, SC is <u>not</u> exempt and pays the appropriate SC sales tax on all applicable purchases.

31. Assignment of Contract

This contract may not be assigned in whole or part without the written consent of the Purchasing Officer.

32. Termination

Subject to the provisions below, the contract may be terminated by the County upon thirty (30) days advance written notice to the other party; but if any work or service hereunder is in progress, but not completed as of the date of termination, then this contract may be extended upon written approval of the County until said work or services are completed and accepted.

a. <u>Termination for Convenience</u>

In the event that this contract is terminated or canceled upon request and for the convenience of the County, without the required thirty (30) days advance written notice, then the County shall negotiate reasonable termination costs, if applicable.

b. <u>Termination for Cause</u>

Termination by the County for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provision; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived in the event of Termination for Cause.

c. <u>Non-Appropriation:</u>

It is understood and agreed by the parties that in the event funds are not appropriated in the current fiscal year or any subsequent fiscal years, this contract will become null and void and the County will only be required to pay for services completed to the satisfaction of the County.

33. Default

In case of default by the contractor, for any reason whatsoever, the County may procure the goods or services from another source and hold the contractor responsible for any resulting excess cost and may seek other remedies under law

34. Severability

In the event that any provision shall be adjudged or decreed to be invalid, such ruling shall not invalidate the entire Agreement but shall pertain only to the provision in question and the remaining provisions shall continue to be valid, binding and in full force and effect.

35. Applicable Laws

This Agreement shall be governed by and construed in accordance with the laws of the State of South Carolina, U.S.A.

36. <u>Claims and Disputes:</u>

All claims, disputes and other matters in question between parties arising out of, or relating to, this Agreement, or the breach thereof, shall be decided in the Circuit Court of the Fifteenth Judicial circuit in Georgetown County, South Carolina. By executing this Agreement, all parties specifically consent to venue and jurisdiction in Georgetown County, South Carolina and waive any right to contest jurisdiction and venue in said Court.

37. Rights of County

The County reserves the right to reject all or any part of any bid, waive informalities and award the contract to the lowest responsive and responsible bidder to best serve the interest of the County.

38. Award of IFB

In determining the lowest responsive and responsible proposer, in addition to price, there may be considered the following:

- (a) The ability, capacity and skill of the bidder to perform the contract.
- (b) Whether the bidder can perform the contract within the time specified, without delay of interference.
- (c) The character, integrity, reputation, judgment, experience and efficiency of the bidder.
- (d) The quality of performance on previous contracts.
- (e) The previous and existing compliance by the bidder with laws and ordinances relating to the contract.
- (f) The sufficiency of the financial resources to perform the contract to provide the service.
- (g) The quality, availability and adaptability of the supplies or contractual services to the particular use required.
- (h) The ability of the bidder to provide future maintenance and service.
- (i) The discount terms and conditions of the bid.
- (j) Delivery time.

39. Notice of Award

A Notice of Intent to Award will be mailed to all respondents.

40. Protest

Bidders may refer to Sections 2-67, 2-73, and 2-74 of Ordinance #20-032, also known as the Georgetown County, South Carolina Purchasing Policy to determine their remedies concerning this competitive process. The failure to be awarded a bid shall not be valid grounds for protest.

41. Debarment

By submitting a bid, the offeror certifies to the best of its knowledge and belief, that it and its principals, sub-contractors and assigns are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal, State or local department or agency A copy of the County's debarment procedure in accordance with Section 2-68 of Ordinance #20-032, also known as the Georgetown County, South Carolina Purchasing Policy is available upon request.

42. Firm Pricing for County Acceptance

Bid price must be firm for County acceptance for 90 days from bid opening date. "Discount from list," bids are not acceptable unless specifically requested.

43. Quotations to be F.O.B.: Destination

Quote F.O.B.: Destination for this competitive sealed bid. As an alternate, show exact cost for delivery.

44. Unit Prices and Extension

Bid unit price on quantity specified -- extend and show total. In case of errors in extension, unit prices shall govern. Bids subject to unlimited price increases will not be considered.

45. Use of Brand Names (If Appropriate)

Unless otherwise stated in an Invitation for Bid, the name of a certain brand, make or manufacturer does not restrict bidders to the specific brand, make or manufacturer named; it conveys the general style, type, character, and quality of the article desired, and any article which the County in its sole discretion determines to be the equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted. Any catalog, brand name or manufacturer's reference used in bid invitation is descriptive - NOT restrictive - it is to indicate type and quality desired.

Bids on brands of like nature and quality will be considered. If bidding on other than reference or specifications, bid must show manufacturer, brand or trade name, catalog number, etc. of article offered. If other than brand(s) specified is offered, illustrations and complete description must be submitted with bid. Samples may be required. If bidder makes no other bid and takes no exception to specifications or reference data, he will be required to furnish brand names, numbers, etc., as specified. Bidders must certify that item(s) bid upon meet and/or exceed specifications.

46. Permits

The successful Offeror must be responsible for obtaining all necessary city, county, and state permits/licenses and must comply with all local codes and ordinances. Copies of such permits/licenses shall be made available to the County upon request. Building contractors working within Georgetown County must also secure a Contractor's License from the Building Department. or additional information, please review the "Forms and Fees" section of the Building and Planning web page at the link below: http://www.georgetowncountysc.org/building/default.html

A SC-DHEC Maintenance and Repair Request is not required, as long as the structure is returned to its original condition, meeting the specifications as shown in Exhibit F.

47. Environmental Management:

Vendor/Supplier/Contractor will be responsible for complying with all federal, state and local environmental regulations relating to transportation, handling, storage, spillage and any other aspect of providing the services specified herein, as applicable.

48. Bid Tabulation Results

Vendors wishing to view the bid tabulation results may visit the Georgetown County, SC web-site at: <u>http://www.georgetowncountysc.org</u>. Select "Purchasing", then "Bids Information" and double click the link under the individual bid listing.

- 49. The Bidder hereby certifies that he or she has carefully examined all of the Documents for the project, has carefully and thoroughly reviewed this Request for Bid/Quotation, has inspected the location of the project (if applicable), and understands the nature and scope of the work to be done; and that this Bid is based upon the terms, specifications, requirements, and conditions of the Request for Bid/ Documents. The Bidder further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope of the project as aforesaid.
- 50. Any attempt by the vendor to influence the opinion of County Staff or County Council by discussion, promotion, advertising, misrepresentation of the submittal or purchasing process or any procedure to promote their offer will constitute a violation of the vendor submittal conditions and will cause the vendor's submittal to be declared null and void.
- 51. Apparent omission of a detailed description concerning any point, shall be regarded as meaning the best commercial practice is to prevail and that only material and workmanship of the finest quality are to be used.

52. Response Clarification

Georgetown County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of their Responses.

53. Retainage

Retainage in the amount of ten percent (10%) of the value of construction costs incurred for the project, shall be withheld until the project has been completed to the satisfaction of Owner.

- 54. The contractor will be responsible for disposal of any and all removed, unused and surplus materials and any fees and transportation costs associated with the disposal.
- 55. Georgetown County, SC has a Local Vendor Preference Option by ordinance:

Sec 2-50. Local Preference.

- 1. A vendor shall be deemed a Local Georgetown County vendor for the purposes of this Section if such vendor is an individual, partnership, association or corporation that is authorized to transact business within the State, maintains an office in Georgetown County, and maintains a representative inventory or commodities within the County on which the bid is submitted, and has paid all taxes duly assessed.
- 2. This option allows the lowest local Bidder whose bid is within five percent (5%) of the lowest non-local Bidder to match the bid submitted by the non-local Bidder and thereby be awarded the contract. This preference shall apply only when (a) the total dollar purchase is greater than \$30,000; (b) the vendor has a physical business address located and operating within the limits of Georgetown County and has been doing business in the County for a period of twelve (12) months or more; and (c) the vendor provides proof of payment of all applicable Georgetown County taxes and fees if so requested.
 - 3. Should the lowest responsible and responsive Georgetown County bidder not exercise its right to match the bid as granted herein, the next lowest qualified Georgetown County bidder shall have that right and so on. The right to exercise the right to match the bid shall be exercised within 24 hours of notification of the right to match the non-Georgetown County bidder's bid.
 - 4. In order to qualify for the local preference authorized by this Section, the vendor seeking same shall be required to submit with its bid a statement containing relevant information which demonstrates compliance with the provisions of this Section. This statement shall be on a form provided by the County purchasing department and shall be signed under penalty of perjury. Failure to provide such affidavit at the time the bidder submits its bid shall constitute a waiver of any claim for preference.
 - 5. For all contracts for architecture, professional engineering, or other professional services governed by Section 2-56, Architect-Engineer and Land Surveying Services Public Announcement and Selection Process, the county shall include the local business status of a firm among the factors considered when selecting which firms are "most highly qualified". In determining which firm is the "most qualified" for purposes of negotiating a satisfactory contract, preference shall be given to a local business where all other relevant factors are equal.
 - 6. Local preference shall not apply to the following categories of contracts: (a) Goods or services provided under a cooperative purchasing agreement or similar "piggyback" contract; (b) Contracts for professional services except as provided for in section five (§5) above; (c) Purchases or contracts which are funded, in whole or in part, by a governmental or other funding entity, where the terms and conditions of receipt of the funds prohibit the preference; (d) Purchases or contracts made pursuant to a noncompetitive award process, unless otherwise provided by this section; or (e) Any bid announcement which specifically provides that the general local preference policies set forth in this section are suspended due to the unique nature of the goods or services sought, the existence of an emergency as found by either the county council or county administrator, or where such suspension is, in the opinion of the county attorney, required by law.

See the RESIDENCE CERTIFICATION FOR LOCAL PREFERENCE form attached for details.

56. Vendor Checklist

The items indicated below must be returned as a part of the Bid Submission package:

- EXHIBIT A Mandatory Bid Submittal Form
- EXHIBIT B Resident Certification for Local Preference
- EXHIBIT C Form of Non-Collusion
- EXHIBIT D Indemnification
- EXHIBIT E Mandatory Exceptions Page
- Addendum Acknowledgement (If used)

The successful proposer will be required to provide a Certificate of Insurance naming Georgetown County, SC as an additional insured. This must be on file prior to any final award.

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EXHIBIT A MANDATORY BID SUBMITTAL FORM IFB No. 20-095 Repair of Beach Access/Dunes Crossover #43

The undersigned, on behalf of the vendor, certifies that: (1) this bid is made without previous understanding, agreement or connection with any person, firm or corporation making a bid on the same project; (2) is in all respects fair and without collusion or fraud; (3) the person whose signature appears below is legally empowered to bind the firm in whose name the bid is entered; (4) they have read the complete Request for Bid and understand and accept all provisions; (5) if accepted by the County, this bid is guaranteed as written and amended and will be implemented as stated; and (6) mistakes in writing of the submitted bid will be their responsibility.

1.	Name of Company submitting bid
2.	SC General Contractor License Number:
3.	Lump Sum Price for Turnkey Beach Access Repair: \$
4.	Bid cost must remain valid ninety (90) days from bid opening date.
5.	Number of days for mobilization after receipt of order:
6.	Contact Address:
7.	Contact Person
8.	Telephone Number Fax Number
9.	E-Mail address
10.	. Remittance Address:
11.	Accounting Contact
12.	. Telephone NumberFax Number
13.	. E-Mail address

14. <u>Acceptance of Invitation for Bid Content:</u> The contents of the successful IFB/RPS are included as if fully reproduced herein. Therefore, the selected contractor must be prepared to be bound by his/her proposal as submitted.

15. CERTIFICATION REGARDING DRUG-FREE WORKPLACE:

The undersigned certifies that the vendor listed below will provide a "drug-free workplace" as that term is defined in Section 44-107-30 of the Code of Laws of South Carolina, 1976, as amended, by the complying with the requirements set forth in title 44, Chapter 107.



- 16. Any attempt by the vendor to influence the opinion of County Staff or County Council by discussion, promotion, advertising, misrepresentation of the submittal or purchasing process or any procedure to promote their offer will constitute a violation of the vendor submittal conditions and will cause the vendor's submittal to be declared null and void.
- 17. The lowest or any proposal will not necessarily be accepted and the County reserves the right to award any portion thereof. I/We, the undersigned, hereby confirm that all the above noted documents for Bid/Request for Proposal No. <u>20-095</u> were received.

18. ILLEGAL IMMIGRATION: Construction

By signing its bid or proposal, Contractor certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina Code of Laws and agrees to provide to the State upon request any documentation required to establish either: (a) that Title 8, Chapter 14 is inapplicable both to Contractor and its subcontractors or sub-subcontractors; or (b) that Contractor and its subcontractors or sub-subcontractors; or (b) that Contractor and its subcontractors or sub-subcontractors are in compliance with Title 8, Chapter 14. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony, and, upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." Contractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in their contracts with the sub-subcontractors language requiring the sub-subcontractors to comply with the applicable requirements of Title 8, Chapter 14. (An overview is available at <u>www.procurement.sc.gov</u>)

19.

INFORMATION ONLY:

Our company <u>accepts</u> VISA government procurement cards.

Our company <u>charges a fee</u> for use of VISA government procurement cards.

Our company <u>does not accept</u> VISA government procurement cards.

- 20. Printed Name of person binding bid _____
- 21. Signature (X)_____
- 22. Date

<u>NOTE</u>: THE ENTIRE IFB PACKET NEED NOT BE RETURNED. Please be sure to provide the requested number of copies of all offeror provided attachments. Thank you.



EXHIBIT B RESIDENCE CERTIFICATION FOR LOCAL PREFERENCE

MANDATORY VENDOR SUBMITTAL FORM

WHEREAS, Georgetown County Council desires to further its support of local businesses when awarding contracts for the provision of supplies and construction services to the County through its established procurement procedures.

THEREFOR pursuant to Georgetown County, SC Ordinance #2014-02 as adopted, §2-50 Local Preference Option, the Georgetown County Purchasing Officer requests each offeror provide Residence Certification. The Local Preference Option provides some restrictions on the awarding of governmental contracts; provisions of which are stated below:

Sec 2-50. Local Preference Option

- 1. A vendor shall be deemed a Local Georgetown County vendor for the purposes of this Section if such vendor is an individual, partnership, association or corporation that is authorized to transact business within the State, maintains an office in Georgetown County, and maintains a representative inventory or commodities within the County on which the bid is submitted, and has paid all taxes duly assessed.
- 2. This option allows the lowest local Bidder whose bid is within five-percent (5%) of the lowest nonlocal Bidder to match the bid submitted by the non-local Bidder and thereby be awarded the contract. This preference shall apply only when (a) the total dollar purchase is \$10,000 or more; (b) the vendor has a physical business address located and operating within the limits of Georgetown County and has been doing business in the County for a period of twelve (12) months or more; and (c) the vendor provides proof of payment of all applicable Georgetown County taxes and fees if so requested.
- 3. Should the lowest responsible and responsive Georgetown County bidder not exercise its right to match the bid as granted herein, the next lowest qualified Georgetown County bidder shall have that right and so on. The right to exercise the right to match the bid shall be exercised within 24 hours of notification of the right to match the non-Georgetown County bidder's bid.
- 4. In order to qualify for the local preference authorized by this Section, the vendor seeking same shall be required to submit with its bid a statement containing relevant information which demonstrates compliance with the provisions of this Section. This statement shall be on a form provided by the County purchasing department and shall be signed under penalty of perjury. Failure to provide such affidavit at the time the bidder submits its bid shall constitute a waiver of any claim for preference.
- 5. For all contracts for architecture, professional engineering, or other professional services governed by § 2-56, Architect-Engineer and Land Surveying Services Public Announcement and Selection Process, the county shall include the local business status of a firm among the factors considered when selecting which firms are "most highly qualified." In determining which firm is the "most qualified" for purposes of negotiating a satisfactory contract, preference shall be given to a local business where all other relevant factors are equal.

- 6. Local preference shall not apply to the following categories of contracts:
 - (a) Goods or services provided under a cooperative purchasing agreement or similar "piggyback" contract;
 - (b) Contracts for professional services except as provided for in section five (§5) above;
 - I Purchases or contracts which are funded, in whole or in part, by a governmental or other funding entity, where the terms and conditions of receipt of the funds prohibit the preference;
 - (d) Purchases or contracts made pursuant to a noncompetitive award process, unless otherwise provided by this section; or

I Any bid announcement which specifically provides that the general local preference policies set forth in this section are suspended due to the unique nature of the goods or services sought, the existence of an emergency as found by either the county council or county administrator, or where such suspension is, in the opinion of the county attorney, required by law.

I certify that [Company Name]		is a
Resident Bidder of Georgetown County as def	fined in Ordinance #2014-02, and our pri	ncipal place of
business is	[City and State].	
I certify that [Company Name]		is a
Non-Resident Bidder of Georgetown County	as defined in Ordinance #2014-02, and or	ur principal place
business is	[City and State].	

(11)		
(X)		

Signature of Company Officer

of

"EXHIBIT C"

FORM OF NON-COLLUSION AFFIDAVIT OF PRIME PROPOSER / BIDDER (Mandatory Bid Submittal Form)

NON-COLLUSION OATH)
COUNTY OF:)
STATE OF:)

Before me, the Undersigned, a Notary Public, for and in the County and State aforesaid, personally appeared _______ and made oath that the Offeror Herein, his agents, servants, and/or employees, to the best of his knowledge and belief have not in any way colluded with anyone for and on behalf of the Offeror, or themselves, to obtain information that would give the Offeror an unfair advantage over others, not have they colluded with anyone for and on behalf of the Offeror, or themselves, to gain any favoritism in the award of the contract herein.

SWORN TO BEFORE ME THIS

DAY OF	, 2020	
		Authorized Signature of Offeror
NOTARY PUBLIC FC	R THE	
STATE OF:		
My Commission Expire	es:	
Print Name:		
Address:		
Phone Number:		

(Note: Notary seal required for out-of-state offeror)

"EXHIBIT D"

INDEMNIFICATION (Mandatory Bid Submittal Form)

The Bidder / Proposer will indemnify and hold harmless the Owner, Georgetown County, South Carolina and their agents and employees from and against all claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from the performance of the Work provided that any such claims, damages, loss, or expense is attributable to bodily injury, sickness, disease or death, injury to or destruction of tangible property, including the loss of use resulting there from, and is caused by any negligent or willful act or omission of the Bidder / Proposer, and anyone directly or indirectly employed by him/her or anyone for whose acts any of them may be liable.

In any and all claims against the Owner, Georgetown County, South Carolina or any of their agents and / or employees by an employee of the Bidder / Proposer, and anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation shall not be limited in any way to the amount or type of damages, compensation or benefits payable by or for the Bidder / Proposer under the Worker's Compensation Acts, Disability Benefit Acts, or other employee benefit acts.

The obligation of the Bidder / Proposer under this paragraph shall not extend to the liability of Georgetown County, South Carolina or its agents and / or employees arising out of the reports, surveys, Change Orders, designs or Technical Specifications.

BIDDER / PROPOSER: _	 	
BY:		
DATE:		
TELEPHONE NO.:		

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List any areas where you cannot or will not comply with the specifications or terms contained within the bid documentation. If none, write "NONE".



Re: Wooden Walkways for Beach Access

To Whom It May Concern:

The SC DHEC – Office of Ocean and Resource Coastal Management does not issue permits for dune walkovers or work performed in association with them provided the following regulatory guidelines located in Critical Area Permitting Regulations, *as amended*, R.30-13(O) are followed:

- All components must be made of wood
- Have a maximum width of six feet
- Conform with the contour of the dunes with a 2 foot vertical clearance between the surface of the dune and the top of the walkway
- Displace no sand in a critical area
- Be constructed with as little environmental damage as possible
- Not be located within fifty feet of another walkway on the same parcel of property
- Be limited to no more than one of these structures per lot unless a limit of one would cause an unnecessary hardship as determined by the Department
- · Be shore perpendicular, except as necessary for handicapped access

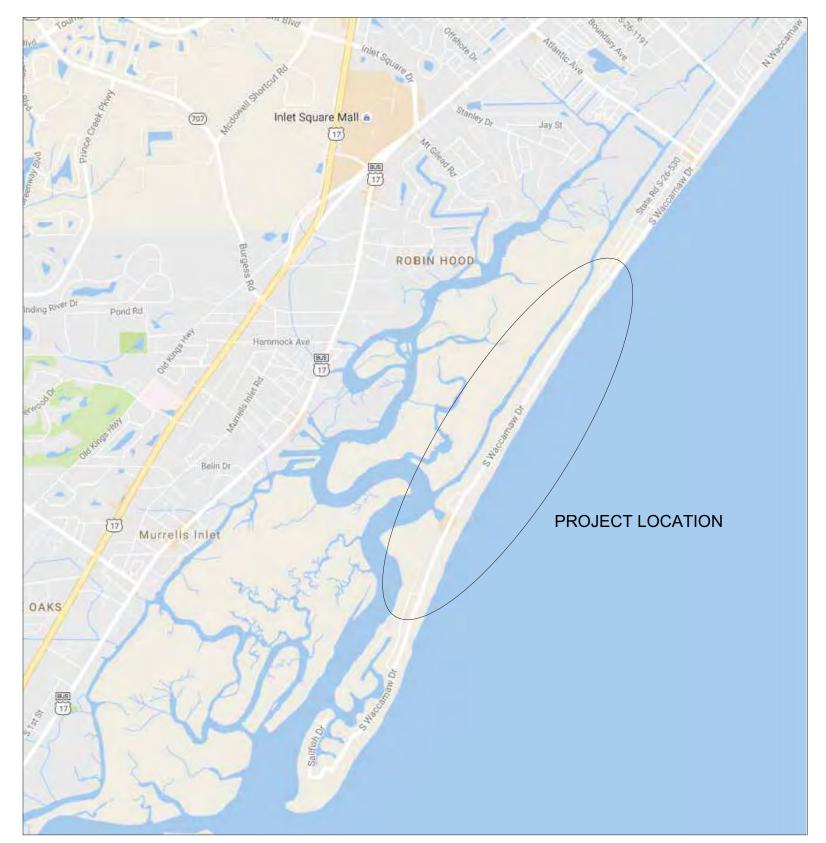
Should you have any further questions please do not hesitate to contact me at 843-238-4528.

Sincerely,

Christopher Stout Wetland Section Project Manager

> S.C. Department of Health and Environmental Control 2600 Bull Street, Columbia, SC 29201 (803) 898-3432 www.scdhec.gov

BEACH WALK-OVERS GEORGETOWN COUNTY, SC

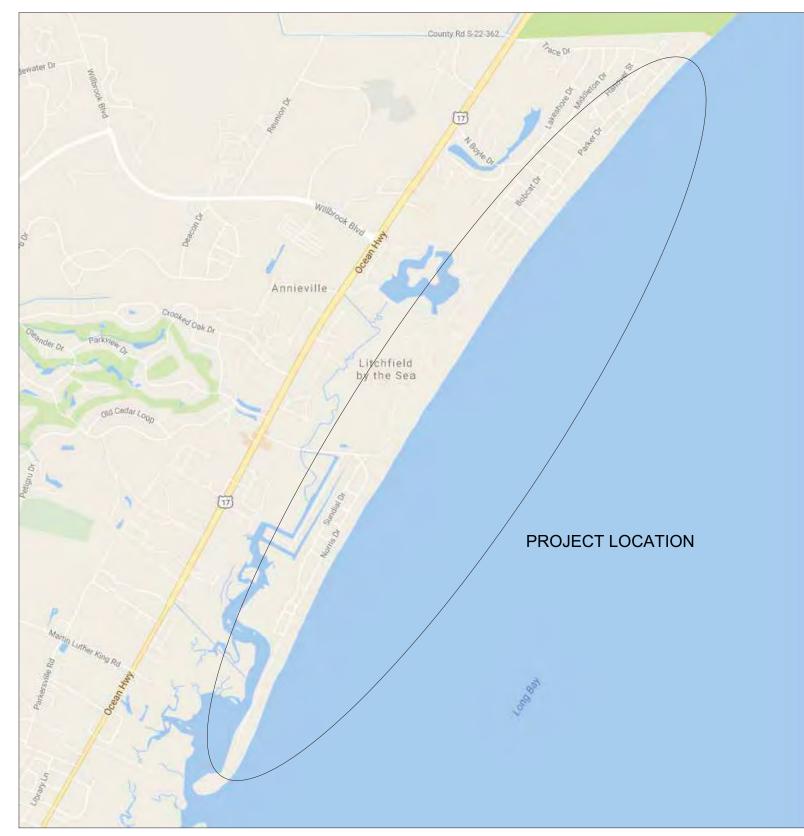


VICINITY MAP - GARDEN CITY

ARCHITECTURAL ABBREVIATIONS

.D.	AREA DRAIN	E.F.D.	EXTERIOR FLOOR DRAIN	HARDW'D	HARDWOOD	O2	OXYGEN	STOR.	STORAGE
.D.A.	AMERICANS WITH DISABILITIES ACT	E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	HDW.	HARDWARE	OA	OUTSIDE AIR	STRUCT.	STRUCTURE
.F.F.	ABOVE FINISHED FLOOR	E.S.R.	ELASTOMETRIC SHEET ROOFING	HGT.	HEIGHT	OD	OVERFLOW DRAIN	SUSP'D	SUSPENDED
.Р.	ACCESS PANEL	E.W.	EACH WAY	HORZ.	HORIZONTAL	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED	Τ/	TOP OF
'C	AIR CONDITIONING	EA.	EACH	HR.	HOUR	0.F.O.I.	OWNER FURNISHED OWNER INSTALLED	T/CNTR.	TOP OF COUNTER
BV.	ABOVE	EAG	EXHAUST AIR GRILLE	HT.	HEIGHT	OPP.	OPPOSITE	T/FTG.	TOP OF FOOTING
СТ	ACOUSTICAL CEILING TILE	E.E.W.	EMERGENCY EYE WASH	HVAC	HEATING VENTILATION AND AIR CONDITIONING	P.E.	PHOTO-ELECTRIC	T/GRATE	TOP OF GRATE
HU	AIR HANDLING UNIT	EJ	EXPANSION JOINT	HZ.	HERTZ	P.P.	PLUMBING PANEL	T/SLAB	TOP OF SLAB
LUM.	ALUMINUM	EL.	ELEVATION	I/O	INDOOR/OUTDOOR	PH.	PHONE	TELE.	TELEPHONE
F.C.	BELOW FINISHED CEILING	ELEC.	ELECTRICAL	IBC	INTERNATIONAL BUILDING CODE	PLUMB.	PLUMBING	THK.	THICK
⁻ .P.	BACKFLOW PREVENTER	ELEV.	ELEVATION	INFO.	INFORMATION	PLYW'D	PLYWOOD	TP	TRAP PRIMER
W.	BOTH WAYS	EQ.	EQUAL	INSUL.	INSULATION	PRESS.	PRESSURE	TRTD.	TREATED
	BOTTOM OF	EQUIP.	EQUIPMENT	INT.	INTERIOR	PVC	POLY-VINYL CHLORIDE	TW	TEMPERED WATER
CAB.	BOTTOM OF CABINET	E.SH.	EMERGENCY SHOWER	J.B.	JOIST BEAM	QTY.	QUANTITY	TYP.	TYPICAL
DG.	BUILDING	EWC	ELECTRIC WATER COOLER	JAN.	JANITOR	R.D.	ROOF DRAIN	U	URINAL
TUH	BRITISH THERMAL UNITS	EWH	ELECTRIC WATER HEATER	LAV.	LAVATORY	R.O.	ROUGH OPENING	U.L.	UNDERWRITERS LABORATORI
'C	CENTER TO CENTER	F.D.	FLOOR DRAIN	LVR.	LOUVER	R.R.	RESTROOM	U.N.O.	UNLESS NOTED OTHERWISE
DND	CONDENSATE	F.E.	FIRE EXTINGUISHER	M.L.	MATCH LINE	RAG	RETURN AIR GRILLE	U-CUT	UNDERCUT
)	CEILING DIFFUSER	F.O.C.	FACE OF CONCRETE	M.O.	MASONRY OPENING	REC.	RECEPTACLE	V	VENT
EN.	CENTER	F.O.M.	FACE OF MASONRY	M.S.	MOP SINK	REF.	REFERENCE	V.	VOLT
Ή	CUBIC FEET PER HOUR	F.O.S.	FACE OF STUD	MATL.	MATERIAL	REINF.	REINFORCING	V.C.T.	VINYL COMPOSITE TILE
М	CUBIC FEET PER MINUTE	F.R.	FIRE RATED (RESISTIVE)	MAX.	MAXIMUM	REQ'D	REQUIRED	V.I.F.	VERIFY IN FIELD
	CONTROL JOINT	FCO	FLOOR CLEANOUT	MECH.	MECHANICAL	RESIL	RESILIENT	VA	VACUUM
-	CENTER LINE	FIN.	FINISH	MEZZ.	MEZZANINE	REV.	REVERSE	VEN.	VENDOR
.G.	CEILING	FIN. FLR.	FINISH FLOOR	MFR.	MANUFACTURER	RM.	ROOM	VERT.	VERTICAL
UN	CONCRETE MASONRY UNIT	FLR.	FLOOR	MIL.	MILLIMETER	RTU	ROOF TOP UNIT	VEST.	VESTIBULE
DL.	COLUMN	FPWH	FROST PROOF WALL HYDRANT	MIN.	MINIMUM	S.	SINK	VTR	VENT THROUGH ROOF
DNC.	CONCRETE	FTG.	FOOTING	MIN.	MINUTE	S/S	STAINLESS STEEL	W.C.	WATER CLOSET
OND.	CONDENSATE	FURN.	FURNACE	MR GYP.	MOISTURE RESISTANT GYP. BOARD	S.A.F.B.	SOUND ATTENUATION FIBERGLASS BATT INSULATION	W.H.	WATER HEATER
ONST.	CONSTRUCTION	G	NATURAL GAS	MTL.	METAL	SAN.	SANITARY	W.P.	WORKING POINT
ONT.	CONTINUOUS	G.C.	GENERAL CONTRACTOR	MTL.	METAL	SCHED.	SCHEDULE	W.W.F.	WELDED WIRE FABRIC
DORD.	COORDINATE	G.P.H.	GALLONS PER HOUR	MTR.	METER	SEC.	SECOND	W.W.M.	WELDED WIRE MESH
DRR.	CORRIDOR	GA.	GAUGE	N.I.C.	NOT IN CONTRACT	SHT.	SHEET	W/	WITH
Т.	CERAMIC TILE	GAL.	GALLONS PER HOUR	N.T.S.	NOT TO SCALE	SIM.	SIMILAR	WATT.	WATTAGE
W	DOMESTIC COLD WATER	G.F.I.C.	GROUND FAULT INTERCEPT CIRCUIT	N/A	NOT APPLICABLE	SPECS.	SPECIFICATIONS	WC	WATER CLOSET
=.	DRINKING FOUNTAIN	GR.	GRADE	N2	NITROGEN	SPKLR.	SPRINKLER	WCO	WALL CLEANOUT
ЧW	DOMESTIC HOT WATER	GWH	GAS WATER HEATER	NO.	NUMBER	SQ.	SQUARE	WF	WASH FOUNTAIN
HWR	DOMESTIC HOT WATER RETURN	GYP.	GYPSUM BOARD	NOM.	NOMINAL	SS	SANITARY SEWER	WP	WATER PROOF
A.	DIAMETER	H.C.	HANDICAP ACCESSIBLE	0.C.	ON CENTER	ST.	STORM DRAIN	YCO	YARD CLEANOUT
۱.	DOWN	H.M.	HOLLOW METAL	O.D.	OUTSIDE DIMENSION	STD.	STANDARD	YD.	YARD
VG.	DRAWING	H.R.	HANDRAIL	NO2	NITROUS OXIDE	STL.	STEEL		··· ···

PROJECT No. 16-108



VICINITY MAP - LITCHFIELD

		Walsh - Krowka & Associates, Inc. architecture landscape architecture 109 Prince St. PO Box 372	wka®scrr.com www.walshkrowka.com		consultants	11655 HIGHWAY 707 Murrells inlet, SC 29576	843.651.7900 (FAX) 843.651.7903 www.earthworksgroup.com
		ca & As landscap	Ś		$ \rightarrow $	11 MURRELLS	(F www.ec
		- Krowl	0		and de		
		Walsh - 1 architecture 1109 Prince St.	leorgetown, 5(29440 843 485 4700		planning and design		
			PERED ARCHINE		CONTRACT CARO	NO: 13603 BIN: 13603 B	Chick C. STRICH
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10 SCOPE O SECTION I II II IV STANDAF STANDAF STANDAF S1.01 S1.02 S1.03 S1.04 S1.02 S1.03 S1.04 S1.05 S1.06 S1.07 S1.08	LITCHFIELD BEACH F WORK <u>TITLE</u> PHASE I - SCOPE OF WORK PHASE II - SCOPE OF WORK PHASE III - SCOPE OF WORK PHASE IV - SCOPE OF WORK PHASE IV - SCOPE OF WORK D DETAIL SCOPE OF WORK CD DETAILS <u>TITLE</u> DETAIL "A" - STAIRS DETAIL "B" - STAIRS DETAIL "B" - STAIRS DETAIL "C" - WALKWAY DETAIL "C" - WALKWAY DETAIL "F" - RAMPS DETAIL "G" - PILE CAPS DETAIL "H" - STAIRS			CONTRACT #1	BEACH WALK-OVER GEORGETOWN COUNT	ĞĒ 	
10 SCOPE O SECTION I II III IV STANDAF STANDAF STANDAF STANDAF S1.01 S1.02 S1.03 S1.04 S1.05 S1.06 S1.07 S1.08 S1.09 S1.10 S1.11	LITCHFIELD BEACH F WORK <u>TITLE</u> PHASE I - SCOPE OF WORK PHASE II - SCOPE OF WORK PHASE III - SCOPE OF WORK PHASE IV - SCOPE OF WORK DDETAIL SCOPE OF WORK CDDETAILS <u>TITLE</u> DETAIL "A" - STAIRS DETAIL "B" - STAIRS DETAIL "B" - STAIRS DETAIL "C" - WALKWAY DETAIL "C" - WALKWAY DETAIL "E" - STAIRS DETAIL "F" - RAMPS DETAIL "F" - RAMPS DETAIL "H" - STAIRS DETAIL "H" - STAIRS DETAIL "H" - ON-GRADE WALKWAY DETAIL "J" - ACCESSIBLE RAMPS DETAIL "K" - GARBAGE BIN			1#1	BEACH WALK-OVER EORGETOWN COUNT	PREPARED FOR: GEORGETOWN COUNTY, SC	
10 SCOPE O SECTION I II IV STANDAF STANDAF STANDAF S1.01 S1.02 S1.03 S1.04 S1.02 S1.03 S1.04 S1.05 S1.06 S1.07 S1.08 S1.09 S1.10 S1.11 S2.01 S3.01	LITCHFIELD BEACH F WORK <u>TITLE</u> PHASE I - SCOPE OF WORK PHASE II - SCOPE OF WORK PHASE III - SCOPE OF WORK PHASE IV - SCOPE OF WORK DDETAIL SCOPE OF WORK CDDETAILS <u>TITLE</u> DETAIL "A" - STAIRS DETAIL "B" - STAIRS DETAIL "B" - STAIRS DETAIL "C" - WALKWAY DETAIL "C" - WALKWAY DETAIL "F" - RAMPS DETAIL "F" - RAMPS DETAIL "G" - PILE CAPS DETAIL "H" - STAIRS DETAIL "H" - STAIRS DETAIL "I" - ON-GRADE WALKWAY DETAIL "J" - ACCESSIBLE RAMPS	AL DOCUMENTS	S	38.000 PROJECT: CONTRACT #1	ED CEORGETOWN COUNT	S PREPARED FOR: GE	COVER
10 SCOPE O SECTION I II IV STANDAF STANDAF STANDAF S1.01 S1.02 S1.03 S1.04 S1.02 S1.03 S1.04 S1.05 S1.06 S1.07 S1.08 S1.09 S1.10 S1.11 S2.01 S3.01	LITCHFIELD BEACH F WORK <u>TITLE</u> PHASE I - SCOPE OF WORK PHASE II - SCOPE OF WORK PHASE III - SCOPE OF WORK PHASE III - SCOPE OF WORK PHASE IV - SCOPE OF WORK DETALL 'SCOPE OF WORK DETALL 'SCOPE OF WORK DETALL 'SCOPE OF WORK DETALL 'SCOPE OF WORK DETALL 'S SCOPE OF WORK DETALL 'S SCOPE OF WORK DETALL 'S STAIRS DETALL	-UPS RKS MARK-UPS //ARK-UPS	S	CT: 161168.000 PROJECT: CONTRACT #1	12/4/2016 LOCATION: BEACH WALK-OVER AS NOTED GEORGETOWN COUNT'	BY: SGS PREPARED FOR: GE	V: SGS COVER
10 SCOPE O <u>SECTION</u> I II II IV STANDAF STANDAF STANDAF SHEET S1.01 S1.02 S1.03 S1.04 S1.05 S1.06 S1.07 S1.08 S1.09 S1.10 S1.11 S2.01 S3.01 PUBLIC A <u>SHEET</u> L102 L103 L104 L301	LITCHFIELD BEACH F WORK <u>TITLE</u> PHASE I - SCOPE OF WORK PHASE II - SCOPE OF WORK PHASE III - SCOPE OF WORK PHASE IV - SCOPE OF WORK DDETALLS TITLE DETAIL "A" - STAIRS DETAIL "B" - STAIRS DETAIL "B" - STAIRS DETAIL "C" - WALKWAY DETAIL "C" - WALKWAY DETAIL "C" - PILE CAPS DETAIL "F" - RAMPS DETAIL "F" - RAMPS DETAIL "G" - PILE CAPS DETAIL "G" - PILE CAPS DETAIL "F" - CONGRADE WALKWAY DETAIL "F" - ACCESSIBLE RAMPS DETAIL "K" - GARBAGE BIN ACCESSIBLE RAMP DETAILS STRUCTURAL NOTES CCESS 54 - ORIGIN	-UPS RKS MARK-UPS /ARK-UPS HWORKS MARK-UPS		CT: 161168.000 PROJECT: CONTRACT #1	ED CEORGETOWN COUNT	DESIGNED BY: SGS PREPARED FOR: GE	BHC COVER
10 SCOPE O <u>SECTION</u> I II IV STANDAF STANDAF STANDAF STANDAF STANDAF STANDAF SHEET S1.01 S1.02 S1.03 S1.04 S1.05 S1.06 S1.07 S1.08 S1.09 S1.10 S1.11 S2.01 S3.01 PUBLIC A <u>SHEET</u> L102 L103 L104 L301	LITCHFIELD BEACH F WORK TITLE PHASE I - SCOPE OF WORK PHASE II - SCOPE OF WORK PHASE III - SCOPE OF WORK PHASE IV - SCOPE OF WORK DDETAILS DETAIL 'A'' - STAIRS DETAIL 'A'' - STAIRS DETAIL 'B'' - STAIRS DETAIL 'C'' - WALKWAY DETAIL 'C'' - WALKWAY DETAIL 'E'' - STAIRS DETAIL 'F'' - RAMPS DETAIL 'F'' - RAMPS DETAIL 'F'' - ON-GRADE WALKWAY DETAIL 'J'' - ON-GRADE WALKWAY DETAIL 'J'' - ACCESSIBLE RAMPS DETAIL 'I'' - ON-GRADE WALKWAY DETAIL 'STAIRS DETAIL	-UPS RKS MARK-UPS /ARK-UPS HWORKS MARK-UPS		CT: 161168.000 PROJECT: CONTRACT #1	DATE: 12/4/2016 LOCATION: BEACH WALK-OVER SCALE: AS NOTED GEORGETOWN COUNT'	DESIGNED BY: SGS PREPARED FOR: GE	DRAWN BY: DHC CHECKED BY: SGS



BEACH ACCESS LOCATION GROKETOWN COUNTY, SOUTH CANOLA		Control of the state of the
SCALE: 1"=300' DESIGNED BY: ASB DRAWN BY: MPM DATE: 11/8/2016 GARDEN CITY BEACH Page 26 of 33 6	SHEE	SCALE: I"=300' SCALE: I"=300' DESIGNED BY: ASB DRAWN BY: MPM DATE: 11/8/2016 GARDEN CITY BEACH



PHASE II - SCOPE OF WORK GEORGETOWN COUNTY PUBLIC BEACH ACCESSES

Public Accesses: No. 28 thru No. 44, excluding No. 42.

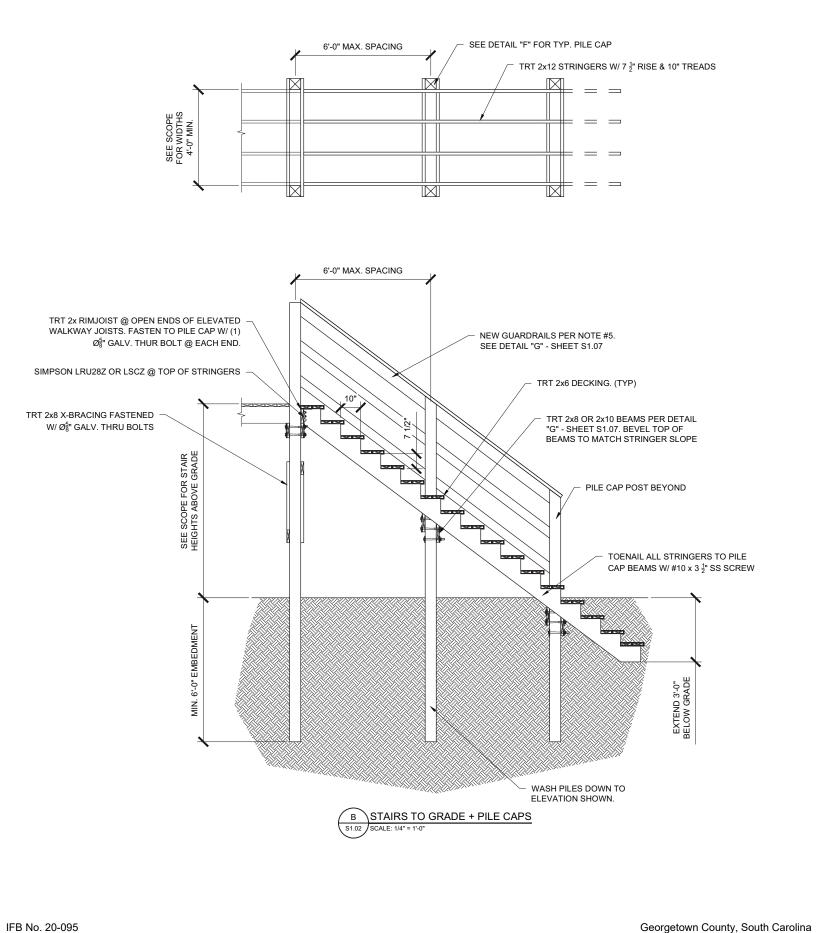
Beach Access Identification			Required Repairs						
A	Туре	Walkway Width (ft)	Elevated Walkways		Steps/Ramp		Steps/Ramp		Roadside Walkway
Access #			Drawing Detail	Length (ft)	Drawing Detail	Height (ft)	Drawing Detail	Height (ft)	Comments/Damage
43	STANDARD DUNE	4'-0"	"D"	16'-0"	"F"	2'-0"	-	-	Covered in sand.
45	CROSSOVER		-	-	"B"	8'-0"	-	-	
Date A	ssessed:	11/10/2016	Notes: Demolition: Full demo of walkover Replace with new Ramp> Elevated Walkway> Stairs onto beach.						
Adjacent Lot Address:		1943 S. Waccamaw	1						
Access #	# Type Walkway Width (ft) Elevated Walkways		Steps/Ramp		Steps/Ramp		Roadside Walkway		
Access #	туре	walkway width (it)	Drawing Detail	Length (ft)	Drawing Detail	Height (ft)	Drawing Detail	Height (ft)	Comments/Damage
44	STANDARD DUNE	N/A	"D"	16'-0"	"F"	2'-0"	-	-	No walkway to road. Replace approx. 80'-0" of on-
44	CROSSOVER		-	-	"B"	8'-0"	-	-	grade walkway.
Date A	ssessed:	11/10/2016	Notes: No structure to observe Appears to be emergency access location						
Adjacent L	ot Address:	2015 S. Waccamaw							

11655 Highway 707 • P.O. Box 201 • Murrells Inlet, South Carolina 29576 Phone: (843) 651-7900 • Facsimile: (843) 651-7903 • www.earthworksgroup.com

See "Stadard Details" section for Drawing Details.

Phase II - SoW Page 3 of 3

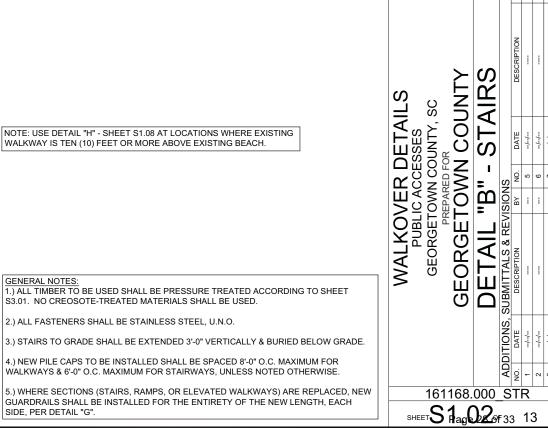
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WALKWAY IS TEN (10) FEET OR MORE ABOVE EXISTING BEACH.

2.) ALL FASTENERS SHALL BE STAINLESS STEEL, U.N.O.

GENERAL NOTES



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11655 HIGHV IURRELLS INLET, S(843.6 (FAX) 843.6 ---rthworksgr

SEE DETAIL "F" FOR TYP. PILE CAP TRT 2x8 JOISTS @ 16" O.C. SPACING SEE SCOPE FOR WIDTH 4'-0" MIN. \bowtie \mathbb{N} SEE SCOPE FOR REQUIRED LENGTH OF NEW WALKWAY. 8'-0" O.C. SPACING (U.N.O) 8'-0" O.C. SPACING (U.N.O.) MIN. 4'-0" ABOVE EXT. GRADE OR MATCH EXT. WALKWAY HEIGHT TRT 2x8 OR 2x10 BEAMS. SEE DETAIL "G" - SHEET S1.07 NEW GUARDRAILS PER NOTE #5. TOENAIL ALL JOISTS TO PILE CAP SEE DETAIL "G" - SHEET S1.07 BEAMS W/ #10 x 3 $\frac{1}{2}$ " SS SCREW TRT 2x8 X-BRACING FASTENED W/ Ø⁵/₈ GALV. THRU BOLTS NEW PILE CAPS PER DETAIL "G". 1ENT Ξ. .-0" MIN WASH PILES DOWN TO ELEVATION SHOWN. GENERAL NOTES: 1.) ALL TIMBER TO BE USED SHALL BE PRESSURE TREATED ACCORDING TO SHEET S3.01. NO CREOSOTE-TREATED MATERIALS SHALL BE USED. D ELEVATED WALKWAY + PILE CAPS 2.) ALL FASTENERS SHALL BE STAINLESS STEEL, U.N.O. S1.04 SCALE: 1/4" = 1'-0" 3.) STAIRS TO GRADE SHALL BE EXTENDED 3'-0" VERTICALLY & BURIED BELOW GRADE. 4.) NEW PILE CAPS TO BE INSTALLED SHALL BE SPACED 8'-0" O.C. MAXIMUM FOR WALKWAYS & 6'-0" O.C. MAXIMUM FOR STAIRWAYS, UNLESS NOTED OTHERWISE. 5.) WHERE SECTIONS (STAIRS, RAMPS, OR ELEVATED WALKWAYS) ARE REPLACED, NEW GUARDRAILS SHALL BE INSTALLED FOR THE ENTIRETY OF THE NEW LENGTH, EACH SIDE, PER DETAIL "G". IFB No. 20-095 Georgetown County, South Carolina

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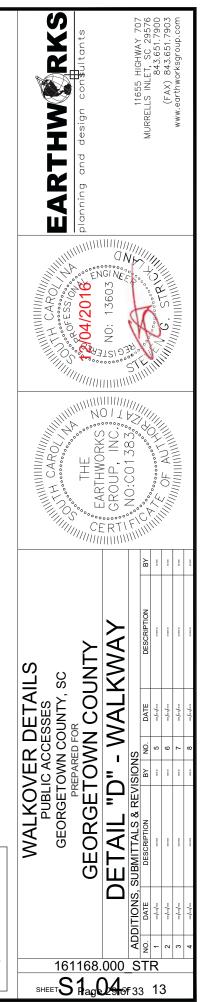
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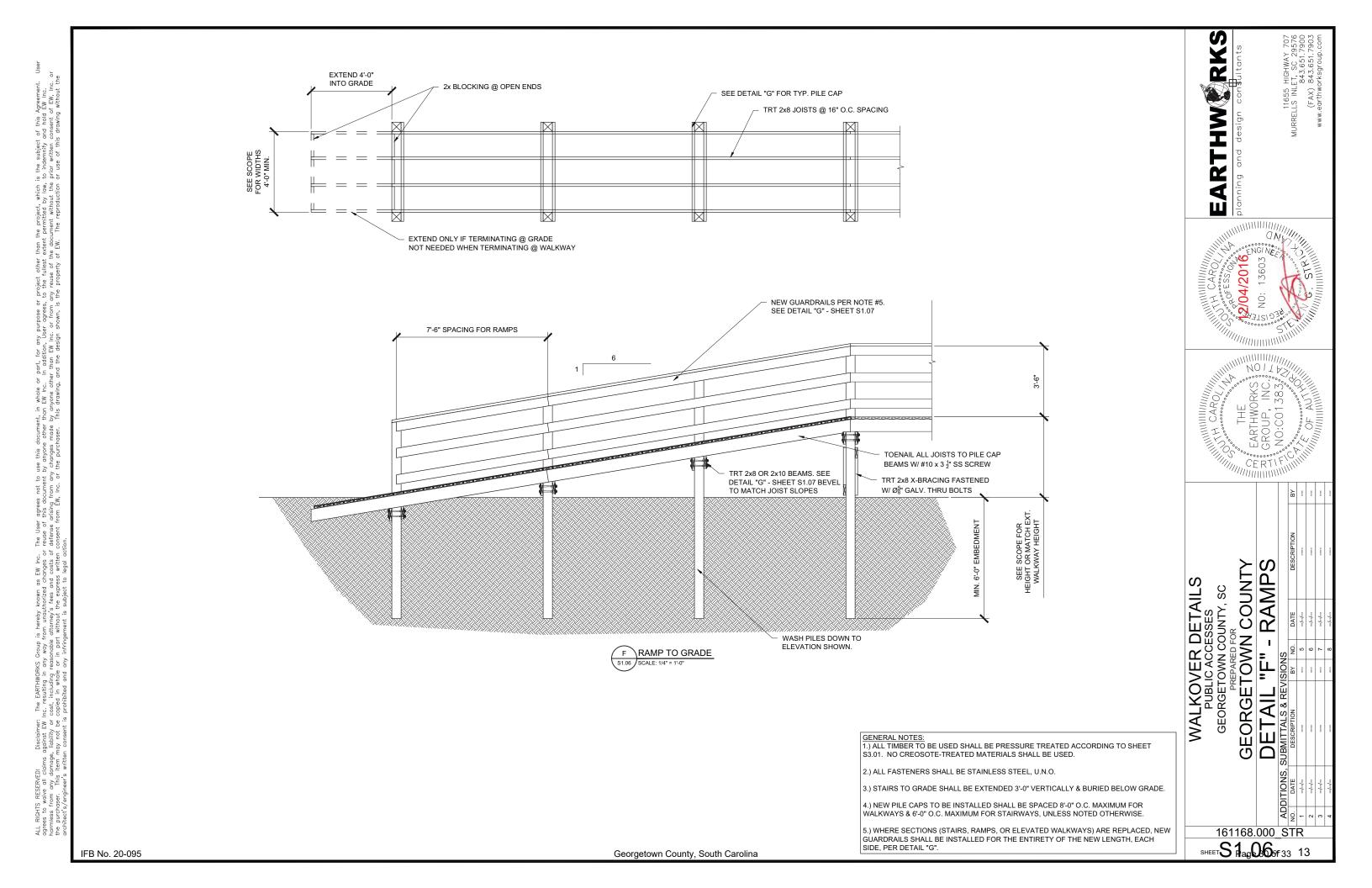
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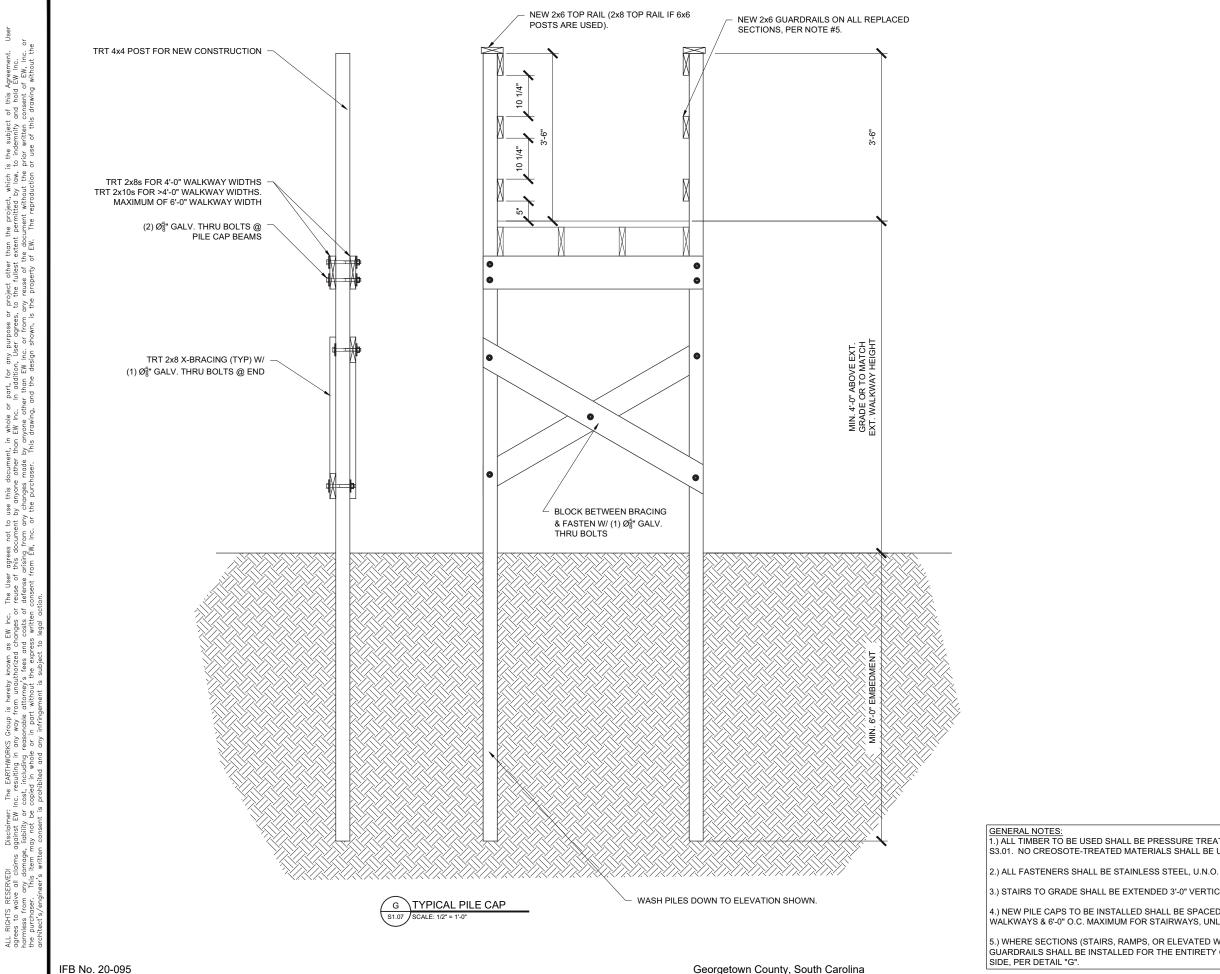
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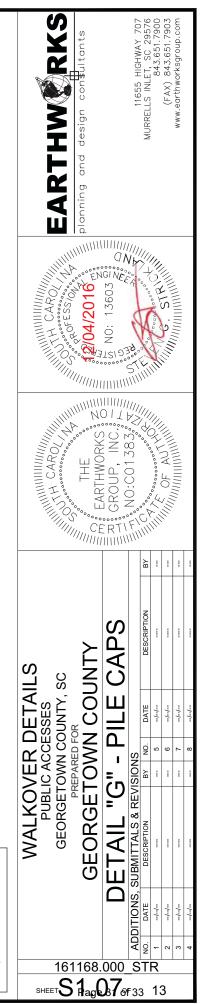
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Georgetown County, South Carolina

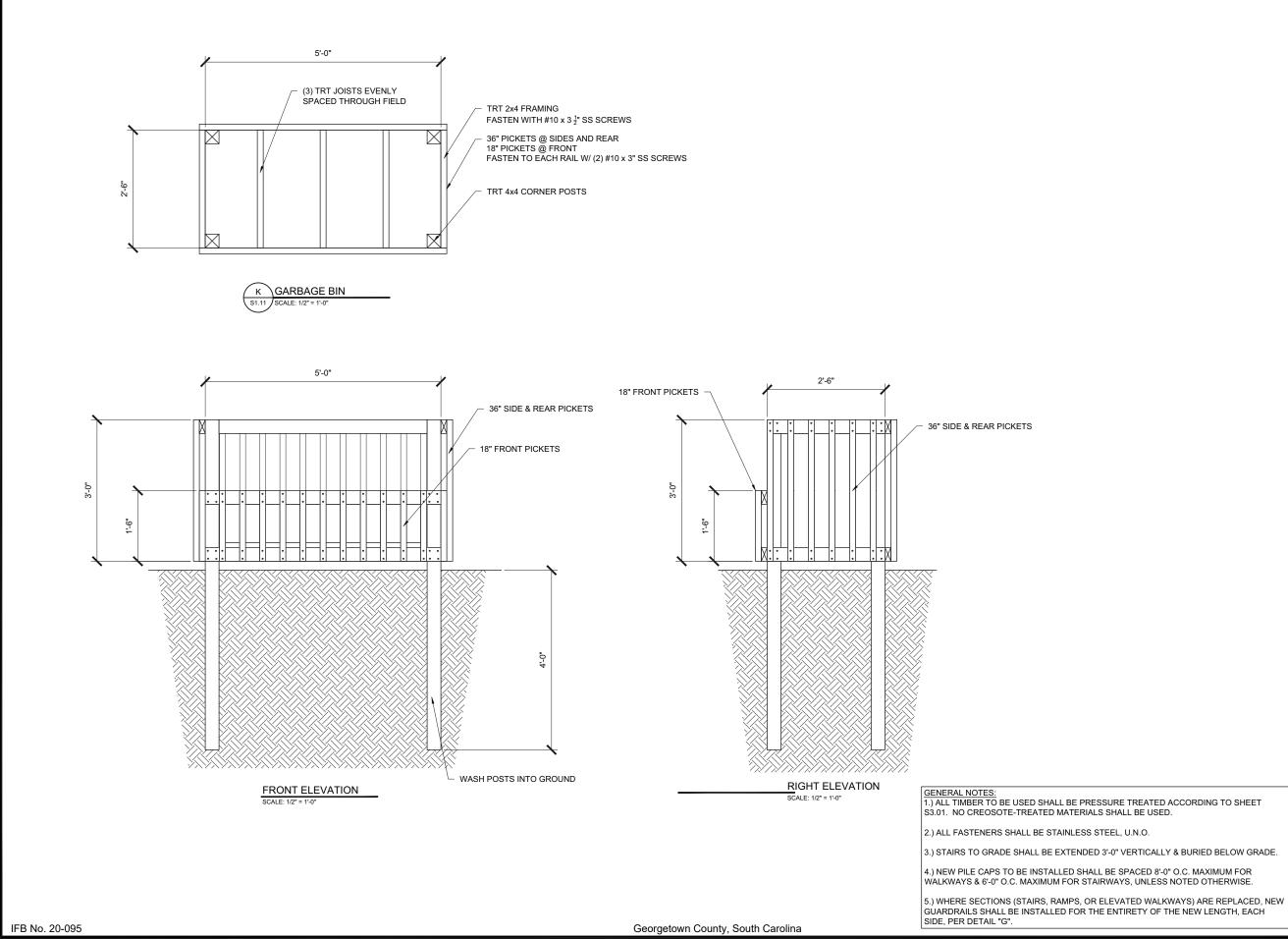


GENERAL NOTES: 1.) ALL TIMBER TO BE USED SHALL BE PRESSURE TREATED ACCORDING TO SHEET S3.01. NO CREOSOTE-TREATED MATERIALS SHALL BE USED.

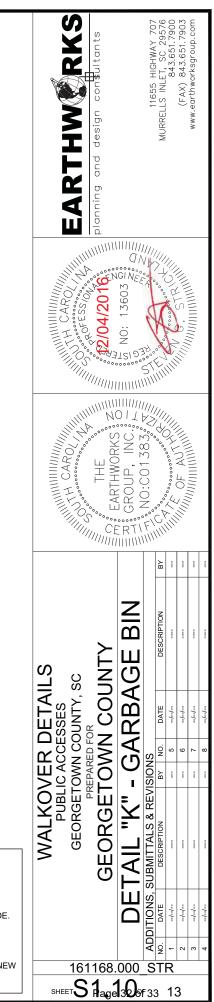
3.) STAIRS TO GRADE SHALL BE EXTENDED 3'-0" VERTICALLY & BURIED BELOW GRADE.

4.) NEW PILE CAPS TO BE INSTALLED SHALL BE SPACED 8'-0" O.C. MAXIMUM FOR WALKWAYS & 6'-0" O.C. MAXIMUM FOR STAIRWAYS, UNLESS NOTED OTHERWISE.

5.) WHERE SECTIONS (STAIRS, RAMPS, OR ELEVATED WALKWAYS) ARE REPLACED, NEW GUARDRAILS SHALL BE INSTALLED FOR THE ENTIRETY OF THE NEW LENGTH, EACH SIDE, PER DETAIL "G".



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TIMBER PILES:

REFERENCED STANDARD

THE PUBLICATIONS LISTED BELOW FORM A PART OF THIS SPECIFICATION TO THE EXTENT REFERENCED. THE PUBLICATIONS ARE REFERRED TO IN THE TEXT BY THE BASIC DESIGNATION ONLY

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) ASTM D 25, ROUND TIMBER PILES AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA), AF&PA

AWPA U1 1990 PILES, PRESSURE TREATMENT AWPA M4, 1990 CARE OF PRESSURE TREATMENT AWPA M6 1988 BRANDS USED ON FOREST PRODUCTS AWPA MP-4 1988 MARINE PILING PRESSURE TREATED WITH WATERBORNE WATERS

AWPA QCIP 1988 PRESSURE TREATED LUMBER, TIMBERS PLYWOOD CONSTRUCTION POLES, PILES AND SPECIAL PURPOSE USE PRODUCTS INSPECTION AND ACCEPTANCE OF PILES ACCEPTANCE WILL BE ON THE BASIC CERTIFICATION, INSPECTION OF MATERIALS PROPOSED TO BE INCORPORATED IN THE WORK, RECEIPT OF, PILE DRIVING RECORDS, AND INSPECTION OF THE COMPLETED PRODUCT.

PILE DRIVING RECORDS

THE CONTRACTOR SHALL APPOINT A COMPETENT INSPECTOR QUALIFIED BY EXPERIENCE AND TRAINING. THE INSPECTOR SHALL BE PRESENT AT ALL TIMES DURING PILE DRIVING OPERATIONS AND SHALL INSPECT ALL WORK IN CONNECTION WITH THE INSTALLATION OF THE PILES.

THE INSPECTOR SHALL KEEP THE FOLLOWING RECORDS FOR EACH PILE:

- A TYPE OF PILE
- B. SIZE OF PILE
- C. HAMMER MAKE, TYPE, SIZE, WEIGHT, AND FALL OF RAM
- D. RATED BLOWS PER MINUTE AND ENERGY PER BLOW
- E. DRIVING RECORD FOR THE FULL LENGTH OF THE PILE; BLOWS PER FT. F. DRIVEN LENGTH BELOW CUTOFF G. PILE TIP ELEVATION H. PILE CUTOFF ELEVATION

THE RECORD SHALL BE KEPT UP-TO-DATE IN A NEAT AND LEGIBLE MANNER AND SHALL BE AVAILABLE FOR REVIEW BY THE ENGINEER. A COPY OF THE RECORD SHALL BE PROVIDED TO THE ENGINEER AT THE COMPLETION OF EACH DAY'S WORK.

MANUFACTURER'S CERTIFICATION; SUBMIT THE COPIES OF MANUFACTURE CERTIFICATION THAT THE PILING COMPLIES WITH THE SPECIFIED REQUIREMENTS

QUALITY ASSURANCE

TIMBER PILES PRESERVATIVE TREATMENT: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF THE TREATED WOOD

PRODUCTS, AWPA QCIP QUALITY MARK AWPA ND-1, AWPA ND-4 WILL BE ACCEPTED AS EVIDENCE OF COMPLIANCE WITH

DELIVERY, STORAGE, AND HANDLING, STORE PILES IN ACCORDANCE WITH AWA MA.

PROVIDE STANDARD CLASS B SOUTHERN PINE CLEAN-PEELED PILES CONFORMING TO ASTM D 25. PILES SHALL BE IN ONE PIECE. SPLICES WILL NOT BE

PERMITTED. EACH TREATED PILE SHALL BE BRANDED BY THE PRODUCER, IN

ALL PILES SHALL BE A MINIMUM OF 45 FEET LONG. MINIMUM TIP DIAMETER SHALL BE 8 INCHES. MINIMUM BUTT DIAMETER SHALL BE 12 INCHES (MEASURED 3 FEET FROM THE BUTT).

TREAT PILES BY THE FULL-CELL PRESSURE PROCESS IN ACCORDANCE WITH AWPA U1 (COMMODITY SPECIFICATION A, USE CATEGORY 4C) FOR ROUND TIMBER PILES, AWPA U1 (COMMODITY SPECIFICATION A, USE CATEGORY 4B) FOR SAWN TIMBER PILES, AWPA C3 FOR MARINE PILING.

WATERBORNE PRESERVATIVE FOR MARINE PILES (ACA, ACZA, CCA)

TREAT PILES TO A RETENTION RATE OF 2.5 LB. CU./ FT.

TREATMENT REQUIREMENTS FOR MARINE CONSTRUCTION:

	FRESHWATER	SALIWAIER
BELOW WATER MEMBERS		
ROUND PILES	2.5 CCA, 1.0 CCA	2.5 CCA, 1.0 CCA
	AWPA UC5A, 5B,	AWPA UC5A, 5B,
	5C & C3, C18	5C & C3, C18
SAWN PILES, WALERS,	2.5 CCA, AWPA UC5A,	2.5 CCA, AWPA UC5A,
SHEET PILES, CROSS BRACING	5B, 5C & C18	5B, 5C & C18

SPLASH ZONE MEMBERS		
SPLIT PILE CAPS &	0.40 ACQ, 0.21 CA,	0.60 ACQ, 0.6 CCA,
STRINGERS	AWPA UC4C & C2,	AWPA UC5A, 5B, 5C & C18
	0.16 MCA	0.24 MCA
ABOVE WATER MEMBERS		
DECKING, HANDRAILS	0.25 ACQ, 0.10 CA,	0.40 ACQ, 0.21 CCA,
WALLCAPS	AWPA UC3B & C2	AWPA UC3B & C18
	0.07 MCA	0.16 MCA

FIELD QUALITY CONTROL

TIMBER STRUCTURE SPECIFICATION NOTES

ALL TIMBER FOR DECKING, JOISTS, POSTS, POST BLOCKS, GUARD RAILS SHOULD BE SOUTHERN PINE # 1 KDAT. ALL TIMBER SHOULD BE PRESERVATIVELY TREATED TO AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA) STANDARD U1(C-2). IF THE BRIDGE IS BUILT TO VEHICULAR STANDARDS, SOUTHERN PINE PRESERVATIVELY TREATED TO AWPA COMMODITY STANDARD C-14 (USE CATEGORY UC4 OR 5), WOOD FOR HIGHWAY CONSTRUCTION MAY BE APPLICABLE.

ALL FACE AND ANCHOR PILES USED IN CONSTRUCTION SHOULD BE SPECIFIED IN ACCORDANCE WITH ASTM D25. PRESERVATIVE TREATMENT SHALL BE TO AWPA STANDARDS C-3 & C-18 (UC4C, 5A, 5B, 5C).

ALL FASTENERS AND TIE RODS SHOULD BE HOT-DIP GALVANIZED PER ASTM A-153 OR BE CORROSION RESISTANT (BITUMASTIC COATED OR 300 SERIES STAINLESS STEEL

ALL CUTS, HOLES AND INJURIES TO THE SURFACE OF TREATED WOOD SHOULD BE FIELD PROTECTED BY FIELD TREATMENT MEETING AWPA STANDARD

ALL TREATED WOOD PRODUCTS SHOULD BE HANDLED AND FIELD FABRICATED IN ACCORDANCE WITH AWPA STANDARD M4 FOR THE CARE OF PRESERVATIVE TREATED WOOD PRODUCTS.

FOR FURTHER INFORMATION ON FRESH AND SALTWATER SPECIFICATIONS, CONSULT THE AWPA BOOK OF STANDARDS AND OTHER PUBLICATIONS

PLANT INSPECTION THE ENGINEER RESERVES THE RIGHT TO PERFORM PLANT INSPECTION OF THE TREATING PROCESS. PROVIDE THE ENGINEER WITH A MINIMUM 3-WEEK ADVANCE NOTICE, INDICATING LOCATION OF THE INITIAL PRESERVATIVE TREATMENT. ALLOW THE ENGINEER ACCESS TO THE PLANT FOR INSPECTION

TOLERANCES IN DRIVING PILES: AT CUTOFF ELEVATION, BUTT SHALL BE WITHIN 4 INCHES OF THE LOCATION INDICATED, MANIPULATION TO MOVE PILES. INTO POSITION WILL BE PERMITTED ONLY WITHIN THE AFOREMENTIONED TOLERANCE TO RETURN THE PILE TO THE DESIGN LOCATION. A VARIATION OF NOT MORE THAN 0.50 INCH PER FOOT OF PILE LENGTH FROM THE REQUIRED ANGLE FOR BATTER PILES WILL BE PERMITTED. REMOVE AND REPLACE WITH NEW PILES THOSE DAMAGED, MISPLACED, DRIVEN BELOW DESIGN CUTOFF, OR DRIVEN OUT OF ALIGNMENT. EXECUTION

INSPECT PILES WHEN DELIVERED AND WHEN IN THE LEADS IMMEDIATELY BEFORE DRIVING. CUT PILES AT CUTOFF ELEVATION BY SAWING. CUTOFF ELEVATION FOR PILES SHALL BE A MINIMUM OF 7 FT ABOVE MEAN HIGH WATER.

JETTING OF PILES

WATERJETS SHALL BE USED FOR THE INSTALLATION OF VERTICAL PILE CAP MEMBERS PROTECTION OF PILES

DRIVING PILES: OPERATE HAMMER AT MANUFACTURER'S RATED SPEED, AND DRIVE PILE WITHOUT INTERRUPTION TO THE INDICATED ELEVATION. PILES SHALL BE DRIVEN TO REFUSAL (LESS THAN 1 INCH ADVANCEMENT PER 4 BLOWS, USING A PILE DRIVER RATED AT 15,000 FT/LB. OF ENERGY OR APPROVED EQUIVALENT

DRIVING EQUIPMENT: SELECT AND USE A PILE HAMMER OF SUFFICIENT WEIGHT AND ENERGY TO INSTALL THE SPECIFIED PILE WITHOUT DAMAGE INTO THE SOILS EXPECTED TO BE ENCOUNTERED. PLACE DRIVING HELMET, OR CAP AND CUSHION BLOCK COMBINATION CAPABLE OF PROTECTING THE HEAD OF THE PILE BETWEEN TOP OF PILES AND THE RAM TO PREVENT IMPACT DAMAGE TO PILE. IF BLOCK IS DAMAGED, SPLIT, HIGHLY COMPRESSED CHARRED OR BURNED, OR HAS BECOME SPONGY OR DETERIORATED, REPLACE WITH NEW BLOCK. HELMET OR BLOCK SHALL UNIFORMLY TRANSMIT ENERGY TO PILE WITH A MINIMUM LOSS OF ENERGY.

SQUARE THE HEADS AND TIPS OF PILES TO DRIVING AXIS. LATERALLY SUPPORT PILES DURING DRIVING. BUT DO NOT UNDULY RESTRAIN PILES FROM ROTATION IN THE HEADS. WHERE PILE ORIENTATION IS ESSENTIAL, TAKE PRECAUTIONARY MEASURES TO MAINTAIN THE ORIENTATION DURING DRIVING. DRIVEN BATTER PILES OF SUFFICIENT UNSUPPORTED LENGTHS TO CAUSE A MEASURABLE DEFLECTION SHALL HAVE FREE ENDS SECURED UNTIL PILES ARE FIXED IN THE STRUCTURE TO PREVENT EXCESSIVE BENDING STRESSES. HANDLE, PROTECT, AND FIELD TREAT PILES IN ACCORDANCE WITH AWPA M4.

