

# RIVERBANKS ZOO & GARDEN

Procurement Services  
400 Rivermont Drive, Columbia, SC 29210  
Phone: 803-602-0831 Fax: 803-771-8722

## INVITATION FOR BIDS- ADA PARKING LOT

BID NUMBER: **B2023-11-12**

DATE: **11/03/2023**

OPENING DATE AND TIME: **December 1, 2023, 10:00 AM (EST.)**

OPENING LOCATION: Riverbanks Zoo & Garden  
Procurement Services  
400 Rivermont Drive  
Columbia, SC 29210

MAILING ADDRESS: Riverbanks Zoo & Garden  
Attn: Noelle Kelley  
400 Rivermont Drive  
Columbia, SC 29210

PROCUREMENT FOR: **ADA Parking Lot**

Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at this office until the stated date and time and then publicly opened. Any bid received after the scheduled deadline will be immediately disqualified. The District assumes no responsibility for delivery of bids which are mailed. Oral, telephonic, electronic or telegraphic bids are invalid and will not receive consideration.

**IT IS REQUIRED THAT THE BID NUMBER BE SHOWN ON THE OUTSIDE OF ENVELOPE.**

**DIRECT ALL INQUIRES TO: Noelle Kelley, Procurement Manager, 803-602-0831,  
[nkelley@riverbanks.org](mailto:nkelley@riverbanks.org)**

## KEY EVENTS / DATES

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. Advertisement / Posting Date | November 3, 2023               |
| 2. Mandatory Site Visit         | November 8, 2023 10:00 AM EST  |
| 3. Deadline for Questions       | November 13, 2023 5:00 PM EST  |
| 4. Bids Due                     | December 1, 2023, 10:00 AM EST |
| 5. Estimated Start Date         | January 2, 2024                |
| 6. Completion Deadline          | March 22, 2024                 |

**NOTICE TO BIDDERS: There will be a Mandatory Site Visit on November 8, at 10:00 AM EST at Riverbanks Zoo & Garden, 400 Rivermont Drive, Columbia, SC 29210.** Due to the importance of all bidders having a clear understanding of the scope and requirements for this project, *attendance at this meeting will be required.* Any changes that may be agreed upon as a result of this conference will be noted in an amendment to the bid invitation and posted on the Riverbanks Zoo and Garden procurement page. Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract. All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager. Richland-Lexington

Riverbanks Park District DBA Riverbanks Zoo & Garden (hereinafter known as "the District") shall not be legally bound by any amendment or interpretation that is not in writing.

**"NO BID" RESPONSE FORM**

To submit a *"No Bid"* response for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced.

**Note: Please show the solicitation number on the outside of the envelope.**

**Please check statement(s) applicable to your *"No Bid"* response --**

**Specifications are restrictive, i.e. geared toward one brand or manufacturer only (explain below).**

**Specifications are ambiguous (explain below).**

**We are unable to meet specifications.**

**Insufficient time to respond to the solicitation.**

**Our schedule would not permit us to perform.**

**We are unable to meet bond requirements.**

**We are unable to meet insurance requirements.**

**We do not offer this product or service.**

**Remove us from your vendor list for this commodity/service.**

**Other (specify below).**

**Comments:**

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\_\_\_\_\_  
**Company Name (as registered with the IRS)**

\_\_\_\_\_  
**Authorized Signature**

\_\_\_\_\_  
**Correspondence Address**

\_\_\_\_\_  
**Printed Name**

\_\_\_\_\_  
**City, State, Zip**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**E-mail Address (Please Print)**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Telephone**

/ \_\_\_\_\_  
**Fax**

**INSTRUCTIONS TO BIDDERS**

1. Only one copy of bid invitation is required, unless otherwise stated.
2. Bids, amendments thereto or withdrawal request must be received by the time advertised for bid openings to be timely filed. It is the vendor's sole responsibility to ensure that these documents are received by the Procurement Office at or before the time indicated in the bid document.
3. When specifications or descriptive papers are submitted with the bid invitation, enter bidder's name thereon.
4. Submit your schedule along with your signed bid on the forms provided. Show bid number on envelope as instructed. The District assumes no responsibility for unmarked or improperly marked envelopes. Unsigned bids will be rejected.
5. 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 30-4-4C Code of Laws of South Carolina, 1976, (1986 Cum Supp) Freedom of Information Act. The District reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the District or its agents for its determination in this regard.
6. By submission of a bid, you are guaranteeing that all goods and services meet the requirements of the solicitation during the contract period.
7. This solicitation does not commit the District to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services listed herein.
8. CORRECTION OF ERRORS ON THE BID FORM: All prices and notations shall be printed in ink or typewritten. Errors should be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of typewriter correction fluid may be cause for rejection. No bid shall be altered or amended after specified time for opening.
9. BIDDERS SCHEDULE: Enter the manufacturer, brand, and model/catalog number, as applicable, and your bid price in the space provided on the bidder's schedule. Additional pages may be attached, when applicable, for alternates, etc.
10. NOTIFICATION: Intent to Award and/or Statement of Award will be posted on the Riverbanks Zoo & Garden website at <http://www.riverbanks.org/procurement>
11. RIGHT TO PROTEST: (does not apply to procurements \$1-\$50,000) Any prospective bidder, offeror, or contractor, who is aggrieved in connection with the solicitation of a contract shall protest in writing to the Procurement Manager within seven (7) calendar days of the date of issuance of the Invitation to Bid, Requests for Proposals or other solicitation documents, whichever is applicable, or any amendments thereto, if the amendment is at issue. Any actual bidder, offeror, or contractor, who is aggrieved in connection with the intended award or award of a contract, shall protest in writing to the Procurement Manager within seven (7) calendar days of the notification of Intent to Award or Statement of Award.
12. PROTEST PROCEDURE: A protest shall be in writing, submitted to the Procurement Manager, and shall set forth the specific grounds of the protest with enough particularity to give notice of the issues to be decided.
13. QUESTIONS REGARDING SPECIFICATIONS AND/OR THE BIDDING PROCESS:
  - To ensure fair consideration for all bidders the District prohibits any type of communications to or with any department, employee, or District official during the solicitation process, except as provided on page one of the solicitation. This includes any

communications initiated by a bidder to any District Official or employee evaluating or considering the bidder, prior to the time an award decision has been made public. **Failure to comply shall be grounds for disqualification of the offending bidder from consideration for award of the bid and/or any future solicitations.**

- Any communications between the bidder and the District shall be initiated by the Procurement Office or the appropriate District representative in order to obtain necessary information or clarification needed to develop a proper and accurate evaluation of the bid. **Failure to comply shall be grounds for disqualification of the offending bidder from consideration for award of the bid and/or any future solicitations.**
- It will be the sole responsibility of the bidder to contact the Procurement Office prior to submitting a bid to ascertain if any amendments have been issued in order to obtain all such documentation, and to return the executed documentation with their bid. All amendments will be posted on the Riverbanks Zoo & Garden website at: <http://www.riverbanks.org/procurement>

### **GENERAL PROVISIONS**

1. The District reserves the right to reject any and all bids, to cancel a solicitation, and to waive any technicality if deemed to be in the best interest of the District.
2. Unit prices will govern over extended prices unless otherwise stated in this bid invitation.
3. **PROHIBITION OF GRATUITIES:** Amended section 8-13-700 and 705 of the 1976 Code of Laws of South Carolina states: "Whoever gives or offers to any public official or public employee any compensation including a promise of future employment to influence his action, vote, opinion or judgment as a public official or public employee or such public official solicits or accepts such compensation to influence his action, vote, opinion or judgment shall be subject to the punishment as provided by Section 16-9- 210 and Section 16-9-220."
4. **BIDDERS QUALIFICATIONS:** Consideration will be given only to the contractors who can produce conclusive evidence that they can meet the following requirements:
  - 4.1 Adequate capital and credit rating sufficient to complete all operations under this contract in a satisfactory manner.
  - 4.2 An efficient office force with satisfactory record in expediting delivery of materials to field force, and capable of fulfilling proper liaison service with mechanical trade.
  - 4.3 An adequate and efficient field force with extensive knowledge of all types of work involved under this contract.
  - 4.4 A record of amicable relations with labor.
  - 4.5 An adequate supply of applicable equipment in good operating condition to fulfill the contract.
5. **LICENSES, PERMITS, INSURANCE, & TAXES:** All costs for required licenses, permits, insurances and taxes shall be borne by the Contractor.
6. **INSURANCE:**
  - 6.1 The amount and types of insurance required should be reasonably commensurate with the hazards and magnitude of the undertaking, but in no event of lesser amount nor more restrictive than the limits of liability and schedule of hazards below described. Without limiting its liability under the contract agreement, the Contractor shall procure and maintain, at its expense during the life of this contract, insurance of the types in the minimum amounts stated below:

**SCHEDULE**

**WORKERS COMPENSATION**

As required by the State of South Carolina.

**COMPREHENSIVE GENERAL LIABILITY**

Premises Operations

Contractual Liability

Independent Contractors

Personal Injury

Products - Completed Operations

**AUTOMOBILE LIABILITY**

All Owned, Non-Owned, and Hired

**LIMIT**

Statutory

\$1,000,000 Single Limit

\$ 100,000 Combined

- 6.2 The Contractor's comprehensive general liability policy shall also include blanket contractual liability coverage or shall be endorsed to cover the liability assumed by the Contractor. Said insurance shall be written by a company or companies approved to do business in the State of South Carolina and acceptable to the District. Before commencing any work hereunder, certificates evidencing the maintenance of said insurance shall be furnished to the District. The District, its officials, employees and volunteers are to be covered as insured's as respects: liability arising out of activities performed by or on behalf of the contractor, including the insured's general supervision of the contract; products and completed operations of the contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded the District, its officials, employees or volunteers. To accomplish this objective, the District shall be named as an additional insured under the Contractor's insurance as outlined above.
- 6.3 The contractor shall take out and maintain, during the life of this contract, the statutory Workmen's Compensation and Employer's Liability Insurance for all of his employees to be engaged in work on the project under this contract, and in case any such work is sublet, the contractor shall require the subcontractor similarly to provide Workmen's Compensation and Employer's Liability Insurance for all of the latter's employees to be engaged in such work.
- 6.4 Contractors insurance coverage shall be primary insurance as respects the District, it's officials, employees and volunteers. Any insurance or self-insurance maintained the District shall be in excess of the Contractor's insurance and shall not be required to contribute. To accomplish this objective, the following wording should be incorporated in the previously referenced additional insured endorsement:  
  
*Other Insurance:* This insurance is primary, and our obligations are not affected by any other insurance carried by the additional insured whether primary, excess, contingent or on an other basis.
- 6.5 Each insurance required by the District shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to Riverbanks Zoo & Garden Procurement Office.
- 6.6 Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to all the requirements stated herein.
- 6.7 All certificates and endorsements must be received and approved by the District within ten (10) days after notification of award.

- 6.8 The District, its officers and employees shall be named as an “additional insured” in the Automobile and General Liability policies and it shall be stated on the Insurance Certificate with the provision that this coverage “is primary to all other coverage the District may possess”.
7. **BIDDERS RESPONSIBILITY:** Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract.
8. **AWARD CRITERIA:** The contract shall be awarded to the lowest responsible and responsive bidder(s) whose bid meets the requirements and criteria set forth in the Invitation for Bid. The award can be made to one or a multiple of contractors; whichever is in the best interest of the District, or unless otherwise stated on bidders’ schedule.

If two or more bidders are tied in price while otherwise meeting all of the required conditions, awards are determined in the following order of priority:

  - 8.1 If there is a South Carolina firm tied with an out-of-state firm, the award must be made automatically to the South Carolina firm.
  - 8.2 Tie bids involving South Carolina produced or manufactured products, when known, and items produced or manufactured out of the State must be resolved in favor of the South Carolina commodity.
  - 8.3 Tie bids involving a business certified by the South Carolina Office of Small and Minority Business Assistance as a Minority Business Enterprise must be resolved in favor of the Minority Business Enterprise.
  - 8.4 Tie bids involving South Carolina firms must be resolved in favor of the South Carolina firm located closest to the District.
  - 8.5 In all other situations in which bids are tied, the award must be made to the tied bidder offering the quickest delivery time, or if the tied bidders have offered the same delivery time, the tie must be resolved by the flip of a coin witnessed by the Procurement Manager. All responding vendors must be invited to attend.
9. **WAIVER:** The District reserves the right to waive any Instruction to Bidders, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the District.
10. **COMPETITION:** This solicitation is intended to promote competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested contractor to notify the Procurement Services Office in writing within five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.
11. **REJECTION:** The District reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to other prices in the same or other bids or ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the District.

**GENERAL CONDITIONS**

1. **DEFAULT:** In case of default by the contractor, the District reserves the right to purchase any or all items in default in the open market, charging the contractor with any excessive costs. Should such charge be assessed, no subsequent bids will be considered, or purchase orders issued to the defaulting contractor until the assessed charge has been satisfied.
2. **NON-APPROPRIATION:** Any contract entered into by the District resulting from this bid invitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.
3. **INDEMNIFICATION:** The contractor agrees to indemnify and save harmless the District and all District officers, agents and employees from claims, suits, actions, damages and costs of every name and description, arising out of or resulting from the use of any materials furnished by the Contractor, provided that such liability is not attributable to negligence on the part of the District or failure of the District to use the materials in the manner outlined by the Contractor in descriptive literature or specifications submitted with the Contractor's bid.
4. **CONTRACT ADMINISTRATION:** Questions or problems arising after award of this contract shall be directed to the Procurement Manager. Copies of all correspondence concerning this contract shall be sent to, 400 Rivermont Drive, Columbia, SC 29210. All change orders must be authorized in writing by the Procurement Manager. The District shall not be bound to any change in the original contract unless approved in writing by the Procurement Manager.
5. **PUBLICITY RELEASES:** Contractor agrees not to refer to award of this 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. The contractor shall not have the right to include the District's name in its published list of customers without prior approval. With regard to news releases, only the name of the project and duration of contract may be used and then only with prior approval of the District. The contractor also agrees not to publish, or cite in any form, any comments or quotes from the Riverbanks Zoo & Garden Staff unless it is a direct quote from the Public Relations Officer.
6. **QUALITY OF PRODUCT:** Unless otherwise indicated in this bid it is understood and agreed that any items offered or shipped on this bid shall be new and in first class condition unless otherwise indicated herein.
7. **S.C. LAW CLAUSE:** Upon award of a contract under this bid, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed bid, the bidder agrees to subject himself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.
8. **ASSIGNMENT:** No contract or its provisions may be assigned, sublet, or transferred without the written consent/Acknowledgement of the Procurement Manager.
9. **AFFIRMATIVE ACTION:** The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.

10. **BIDDING CONDITION OF PRICE:** All bid prices submitted shall remain effective for a minimum period of 90 days, or until evaluation of bids is complete and award is made unless mutual consent of parties is established to extend due to unforeseen circumstances. Thereafter, the contract prices shall remain effective for the term of the contract.
11. **8% S.C. SALES TAX:** The District shall add 8% sales tax to all orders; however lump sum bids shall include sales tax in bid price unless otherwise noted. **By submission of a signed proposal, you are certifying, under penalties of perjury that you comply with the SC Code of Laws 1976, as amended, relating to payment of any applicable taxes. This will certify to the District your compliance.**

Forms to register for all taxes administered by the South Carolina Department of Revenue may be obtained by calling the License and Registration Section at (803) 898-5872 or by writing to the South Carolina Department of Revenue, Registration Unit, Columbia, South Carolina 29214-0140.

12. **PAYMENT TERMS:** Payment will be made within thirty (30) days after acceptance of completed order/project. Early payment discount, if available, will be calculated from date of acceptance. Application for payment shall reflect services completed through the last day of the month. **There will be no exceptions to these payment terms unless approval is obtained in writing from the Procurement Manager prior to bid opening date. This project does not qualify for advanced or progress payments.**
13. **BID REQUIREMENTS:** Bid requirements on the equipment/goods/services specified are not intended to be restrictive to potential bidders, but indicate the required features for satisfactory performance. The District will determine if minor deviations from these features are acceptable.
14. **DEVIATIONS FROM SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Deviations found in the evaluation of the bid and not listed may be cause for rejection. Bidders offering substitute or equal items must provide information sufficient enough to determine acceptability of item offered.
15. **CONTRACT:** This bid, contract and submitted documents, when properly accepted by the District along with a written purchase order, shall constitute a contract equally binding between the successful offeror, and the District. No different or additional terms will become a part of this contract with the exception of a Change Order.
16. **CHANGE ORDERS:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing by the Procurement Manager.
17. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager. The District shall not be legally bound by any Amendment or interpretation that is not in writing.
18. **BID EVALUATION:** Bids received will be evaluated by the Procurement Manager. However, based on bid total, final decision for bid award may rest with the Richland-Lexington Riverbanks Park Commission.  
Factors to be considered during the evaluation process include, but are not limited to:  
18.1 - Cost.



18.2 - Reputation and dependability of the contractor

18.3 – Past performance

19. ARBITRATION: Under no circumstances and with no exception will the District act as arbitrator between the Contractor.
20. SHIPPING: All deliveries shall be shipped F.O.B. point Destination-freight prepaid, the seller pays and bears all freight charges; collect shipments will not be accepted. It is agreed by the parties hereto that delivery by the contractor to the common carrier does not constitute delivery to the District. Any claim for loss or damage shall be between the contractor and the carrier.
21. "OR APPROVED EQUAL": Certain processes, types of equipment or kinds of material are described in the specifications and/or on the drawings by means of trade/brand names and catalog numbers. In each instance where this occurs, it is understood and inferred that such description is followed by the words "or approved equal". Such method of description is intended merely as a means of establishing a standard of comparability. However, the Owner reserves the right to select the items, which, in the judgment of the Owner, are best suited to the needs of the Owner, based on price, quality, service, availability, standardization and other relative factors. Bidders should indicate brand name, model, model number, size, type, weight, color, etc., of the item bid, if not exactly the same as the item specified. Vendor's stock number or catalog number is not sufficient to meet this requirement. If any bidder desires to furnish an item different from the specifications, vendor should submit along with the bid, the information, data, pictures, designs, cuts, etc., of the material they plan to furnish so as to enable the Owner to compare the material specified; and, such material shall be given due consideration. The Owner reserves the right to insist upon, and receive items as specified if the submitted items do not meet the Owner's standards for acceptance.
22. ALTERNATE BIDS: Bidders wishing to submit an alternate for consideration that does not meet the District's specifications (or approved deviations), must submit their proposal as an alternate bid. **This must be properly marked on both the sealed envelope and the Bidder's Schedule and submitted separately from any other bid. Failure to comply shall be grounds for being deemed non-responsive.**
23. DRUG-FREE WORKPLACE: By submittal of this bid, you are certifying that you will comply with Title 44, Code of Laws of South Carolina, 1976, Section 44-107-30.
24. ILLEGAL IMMIGRATION & PUBLIC CONTRACTS: In accordance with the South Carolina Illegal Immigration Reform Act, [2008, Act No. 280](#). Section 3 of this Act added to [Chapter 14 to Title 8](#) of the South Carolina Code of Laws prohibits covered persons from entering into covered contracts unless the contractor agrees either (a) to verify all new employees through the federal work authorization program [and requires the same from subcontractors and sub-subcontractors] or (b) to employ only qualifying workers. Effectively, the Act also requires contractors to agree to provide any documentation required to establish either (a) that the Act does or does not apply to the contractor, subcontractor, or sub-subcontractor; or (b) that the contractor, and any subcontractor or sub-subcontractor, are in compliance with Section 3 of the Act."
25. NO CONTACT POLICY: After the date and time established for receipt of proposals by the District, any contact initiated by any offeror with any District representative, other than the Purchasing Department representative listed herein, concerning this solicitation is prohibited. Any such unauthorized contact may cause the disqualification of the offeror from this procurement transaction.
26. TERMINATION: Subject to the provisions below, the contract may be terminated for any reason by the District providing a 30 day advance notice in writing is given to the contractor.

- 26.1 Termination for Cause: Termination by the District for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provisions, termination costs, if any, shall not apply. The thirty (30) days advance written notice requirement is waived and the default provision in this bid shall apply; see General Conditions.
- 26.2 Termination for Convenience: The District, by written notice, may terminate this contract in whole or in part, when it is in the best interest of the District.
- 26.3 Termination requirement does not apply if contract is to terminate at the end of an established contract term.
- 26.4 Termination for Nonappropriations: If the District fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract, or if a lawful order issued in or for any fiscal year during the term of the contract reduces the funds appropriated or authorized in such amount as to preclude making the payments set out therein, the contract shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to the District. Any termination for non-appropriations shall not prohibit the District from obtaining services from another source or in another manner, which is in the best interest of the District.

## **SCOPE OF WORK**

### **INTENT:**

Riverbanks Zoo and Garden is seeking a Contractor for a fence and parking lot modification Project. The project has four components that must be met. First, the flow into the parking lot must remain unobstructed and safe. Second, the integrity of the fence line cannot be altered during construction. Third, the schedule has a construction start date of January 8, 2024, and a completion deadline of March 22, 2024. Fourth, the selected contractor must be flexible in workflow and adapt to conditions to ensure the first three components are met.

The project includes, but is not limited to:

- Repairs to damaged sidewalks
- Adding a new entry/egress road through an existing planter
- Removing concrete sidewalks and asphalt in preparation of the new design
- Installation of concrete, concrete curbs, and asphalt
- Parking lot sealer to cover old striping
- New striping and signs for the ADA parking spaces
- Crosswalk painting
- Installation of new detectable warning mats, gates and installation of curb stops
- Removal of bamboo planters
- Installation of new Cedar privacy fence prior to removing the old chain link fence
- Filling in old bamboo planters with concrete
- Prepping the existing wooded fence to match it with the new fence, as much as possible
- Existing water and electrical lines must be maintained in the new ADA parking area
- Installation of new light posts
- Installation of electrical outlets and irrigation system to each planter per the plan

All demolition materials are to be disposed of offsite, in properly permitted sites. Upon completion of construction, the area shall be clear of all construction debris.

The bid package must include a comprehensive schedule and weather plan to ensure the deadline is met.

Cost should be broken out as follows: demolition, cleaning misc. and final, concrete, asphalt, electrical, plumbing, seal coating and striping, fencing, general conditions and fees, bond and insurance.

**REQUIREMENTS:**

- Bidders shall refrain from direct or indirect communications promoting their qualifications for this Project to the District or any member of the Lexington-Richland Riverbanks Park Commission, other than through the formal submittal process established by this Invitation for Bid (IFB). Failure to comply with submittal requirements may cause the submittal to be removed from further consideration.
- The selected contractor must hold the required license(s) for this project.
- Contractor must be bondable, a certified contractor and have personnel on site who hold the necessary OSHA required certifications to safely perform the work.
- The contractor should submit as a part of the bid package the safety program to be used on this site to ensure workplace safety.
- The contractor must have an Experience Modifier Rate (EMR) of less than one (1).
- Contractor's site superintendent shall coordinate all activities with Zoo Project Manager to ensure the Zoo has enough notice to secure animals that have access to the exhibit.
- Work hours are between 8:00 am and 5:00 pm, but may be adjusted upon request
- Riverbanks Zoo and Garden is a smoke-free facility.

**CONSIDERATIONS:**

- Riverbanks Zoo and Garden will be open to the general public so deliveries, work practices, application processes and behavior of staff will be closely monitored by the Project Manager to ensure the quality of the guest environment.

**OBLIGATION:**

- Riverbanks Zoo and Garden makes no guarantees as to the correctness of the information and materials identified in this specification. It shall be the contractor's responsibility to ascertain the full extent of this job.

**REGULATIONS AND STANDARDS:**

- The work shall comply with all laws, ordinances and regulations of all legally constituted authorities having jurisdiction over any part of this work, County and State level. These requirements supplement the specifications and shall take precedence in case of conflict.
- All work shall be performed and completed in a thoroughly workmanlike and professional manner in accordance with best modern practices, regardless of any omissions from the attached specifications and/or drawings. All material and equipment shall be new and shall comply with the applicable standard in every case where such a standard has been established for the particular type of material in question.
- Safety Department to review confined space and fall protection plans specific to this project as requested. The Zoo Project Manager to final approve all aspects of the project including changes and payments.
- The Bidder shall supply for review, all SCOSHA written programs as applicable to include, but not limited to, the following OSHA standards; Walking-Working Surfaces (Fall Protection), Control of Hazardous Energy (Lockout/Tagout), Personal Protective Equipment and Permit-required Confined Spaces.

**SITE CLEAN UP:**

- The contractor shall keep the job site clean and free from an accumulation of debris or materials during the project. At the completion of the work, the entire facility and premises shall be left clean.
- The contractor shall remove from the premises all accumulations of trash and other materials, which are not to be used in the project, daily.
- Public sidewalks clear of debris from project site at all times.

**CONTRACTOR'S CARE:**

- Contractor shall exercise due care in protecting all trees, property, and surrounding property. Contractor will be responsible for any damage and will be required to restore any damage. If the Contractor fails or refuses to repair any damage promptly, the Project Manager may have the necessary work performed and charge the cost thereof to the contractor.

**FINAL INSPECTION:**

- At the completion of the contract work, a representative of Riverbanks Zoo and Garden shall accompany the contractor on an inspection of the work. All defects found in the work will be corrected before final payment will be authorized.

**BIDS MUST INCLUDE**

- Solicitation name and number clearly marked on the outside of the envelope
- One hard copy and one digital (i.e. thumb drive) Detailed cost summary
- An anticipated construction schedule from award date to completion.
- Cost break out per scope of work
- A written introduction summarizing your company's background, resources, and relevant experience.
- Bid bond
- Three examples of past or current projects and the timelines under which they were completed including bid price and final project cost
- Three references from past projects
- Subcontractor list for this project
- MBE/DBE/WBE Cultivation Plan- The owner is committed to cultivating MBE/DBE/WBE involvement in all aspects of owner's operations. Explain how your firm will cultivate MBE/DBE/WBE participation in the ADA Parking Lot project
- A single point of contact – name, title, phone and email address must be included.

**HOURS OF OPERATION:**

Riverbanks Zoo and Garden is open Monday through Sunday from 9:00 am to 5:00 pm and closed on Thanksgiving and Christmas Days.

**DISPOSAL OF WASTE:**

- The Contractor will ensure proper handling and disposal of materials to prevent discharges of pollutants to surface waters or groundwater.

**NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)  
REQUIREMENT:**

- Contractor shall comply with current and future requirements of the City of Columbia, City of West Columbia and State of South Carolina's NPDES permits (if any) as it may be amended from time to time.



**Procurement Services**  
 400 Rivermont Drive, Columbia, SC 29210  
 Phone: 803-602-0831 Fax: 803-771-8722

## BIDDERS SCHEDULE

**BID NUMBER:** B2023-11-12

**DATE:** 11/03/2023

**OPENING DATE AND TIME:** December 1, 2023, 10:00 AM (EST)

**OPENING LOCATION:** Riverbanks Zoo & Garden  
 Procurement Services  
 400 Rivermont Drive  
 Columbia, SC 29210

**PROCUREMENT:** Under a fixed price contract provide all materials, equipment, and labor for the ADA Parking Lot in accordance with the specifications, conditions, and provisions as applicable to this solicitation. All prices are to include all applicable transportation, recycling, and disposal costs. **Submit one (1) hard copy and one (1) digital copy.**

**Delivery Requirements:** None

ITEM NUMBER	QTY U/I	DESCRIPTION MFG/MDL/STK #	PRICE
#1:	EA	Demolition	
#2:	EA	Cleaning, Miscellaneous, and Final	
#3:	EA	Concrete	
#4:	EA	Asphalt	
#5:	EA	Electrical	
#6:	EA	Plumbing	
#7:	EA	Seal Coating and Striping	
#8:	EA	Fencing	
#9:	EA	General Conditions and Fees	

<b>#10:</b>	<b>EA</b>	<b>Bond and Insurance</b>	
<b>Total:</b>			

COMPANY: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

**INTENTIONALLY LEFT BLANK**

The attached Certificate of Familiarity must be returned with bid.
--

**SOLICITATION NUMBER: B2023-11-12****DATE: November 3, 2023**

<b>CERTIFICATE OF FAMILIARITY</b>
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The undersigned, having fully familiarized himself with the information contained within this entire solicitation and applicable amendments, submits the attached bid and other applicable information to the District, which I verify to be true and correct to the best of my knowledge. I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid. I further certify that this bid is good for a period of ninety (90) days, unless otherwise stated.

\_\_\_\_\_  
 Company Name as registered  
 with the IRS

\_\_\_\_\_  
 Authorized Signature

\_\_\_\_\_  
 Correspondence Address

\_\_\_\_\_  
 Printed Name

\_\_\_\_\_  
 City, State, Zip

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Telephone Number      Fax Number

\_\_\_\_\_  
 Remittance Address

\_\_\_\_\_  
 E-mail Address (PLEASE PRINT)

\_\_\_\_\_  
 City, State, Zip

\_\_\_\_\_  
 Telephone Number

\_\_\_\_\_  
 Toll-Free Number if available

\_\_\_\_\_  
 Federal Tax ID Number

\_\_\_\_\_  
 SC Sales and Use Tax Number

**Richland-Lexington Riverbanks Park District**

**B2023-11-12  
ADA Parking Lot**

**LIST OF REFERENCES**

*Please list four (4) references that your company has recently or currently provided similar products and/or services for.*

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address

COMPANY: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone # / Fax #

\_\_\_\_\_  
E-Mail Address







GENERAL CONSTRUCTION NOTES:

- ALL COMMUNICATION FOR THIS PROJECT SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. ANY DIRECT CONTACT BETWEEN CONTRACTOR-OWNER, CONTRACTOR-ARCHITECT AND CONTRACTOR/ENGINEER SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLETE ALL WORK AS INDICATED ON THE CONSTRUCTION DOCUMENTS
- THE CONTRACTOR SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR REVIEWING CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION.
- ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER/owner's representative PRIOR TO PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THIS CONTRACT.
- DETAILS ARE INTENDED TO SHOW FINAL RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB SITE DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, ROADWAY, DRAINAGE WAYS, CULVERTS AND VEGETATION UNTIL SUCH ITEMS ARE TO BE DISTURBED OR REMOVED AS INDICATED ON THE CONSTRUCTION DOCUMENTS.
- CONTRACTOR SHALL KEEP JOB SITE ARE CLEAN, HAZARD FREE AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. AT COMPLETION OF THE PROJECT CONTRACTOR SHALL REMOVE ALL MATERIAL AND EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY.
- REPRESENTATIONS OF TRUE NORTH SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THIS JOB SITE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HERON OR NOT AND TO PROTECT THEM FROM DAMAGE. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT P.U.P.S. AT 1-800-121-1811 FOR UTILITY LOCATIONS 72 HOURS PRIOR TO START OF CONSTRUCTION.
- SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY THE CONTRACTOR AND ISSUED TO THE ARCHITECT/ENGINEER AT THE COMPLETION OF THE PROJECT.
- NOTICE OF TERMINATION (NOT) AND AS-BUILTS CAN BE SUBMITTED UPON A MINIMUM OF 10% UNIFORM STABILIZATION.

GENERAL STORM DRAINAGE NOTES:

- ALL INSTALLATION SHALL BE IN ACCORDANCE WITH SCDOT PIPE TRENCHES SC-M-114 "SUPPLEMENTAL TECHNICAL SPECIFICATION FOR PERMANENT PIPE CULVERTS" DATED APRIL 6, 2009.
- ALL CONCRETE PIPES SHALL BE IN ACCORDANCE ASTM-C-16 CLASS III, B WALL.
- HDPE - SMOOTH INTERIOR CORRUGATED PLASTIC PIPES & FITTINGS IN ACCORDANCE WITH ASTM-F-405 MAY BE UTILIZED ONLY WHERE SHOWN AND FROM THE FOLLOWING MANUFACTURER OR APPROVED EQUAL:  
3.1. A.D.S. - N12 MFRD. BY ADVANCED DRAINAGE SYSTEMS, INC.  
3.2. 3300 RIVERSIDE DRIVE, COLUMBUS, OHIO 43221
- PIPE SLOPES SHALL NOT BE DECREASED FROM THOSE SHOWN WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL BENDS, FITTINGS, ETC. AS REQUIRED TO FACILITATE CONSTRUCTION OF
- SEE STORM DRAINAGE PROFILES FOR ADDITIONAL INFORMATION AND PIPELINE MATERIAL.

GENERAL CONSTRUCTION SEQUENCE:

- RECEIVE NPDES COVERAGE FROM DHEC
- PRE-CONSTRUCTION MEETING (ON-SITE IF MORE THAN 10 DISTURBED AND NON-LINEAR)
- NOTIFY DHEC EQC REGIONAL OFFICE OR OCRM OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES
- INSTALLATION OF CONSTRUCTION ENTRANCE(S)
- CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS
- INSTALLATION OF PERIMETER CONTROLS (E.G., SILT FENCE)
- CLEARING & GRUBBING ONLY IN AREAS OF BASINS/ TRAPS/ PONDS
- INSTALLATION OF BASINS/ TRAPS/ PONDS AND INSTALLATION OF DIVERSIONS TO THOSE STRUCTURES (OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO NEXT STEP: AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES AND DIVERSIONS TO THE STRUCTURES ARE COMPLETELY INSTALLED)
- CLEARING & GRUBBING OF SITE OR DEMOLITION (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED)
- ROUGH GRADING
- INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED
- FINE GRADING, PAVING, ETC.
- PERMANENT/ FINAL STABILIZATION
- CLEAN-OUT OF DETENTION BASINS THAT WERE USED AS SEDIMENT CONTROL STRUCTURES AND RE-GRADING OF DETENTION POND BOTTOMS: IF NECESSARY, MODIFICATION OF SEDIMENT BASIN RISER TO CONVERT TO DETENTION BASIN OUTLET STRUCTURE
- REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/ OPERATOR HAVE THE SUPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES.)
- PERFORM AS-BUILT SURVEYS OF ALL DETENTION STRUCTURES AND SUBMIT TO DHEC OR MS4 FOR ACCEPTANCE.
- FINAL STABILIZATION IS 10% PERMANENT VEGETATIVE COVERAGE ACROSS 100% OF THE CONSTRUCTION SITE. 10% UNIFORM STABILITY MUST BE ACHIEVED PRIOR TO SUBMITTING AS-BUILTS AND FINALIZED N.O.T. TO SCDHEC.
- SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC AS APPROPRIATE.
- NOTE: IF NPDES COVERAGE IS BEING ISSUED AFTER LAND-DISTURBING ACTIVITIES HAVE ALREADY STARTED (E.G., IN RESPONSE TO A NOTICE TO COMPLY, NOTICE OF VIOLATION, OR ENFORCEMENT ACTION), THEN THE CONSTRUCTION SEQUENCE MUST SPECIFICALLY INDICATE THE ITEMS THAT HAVE ALREADY OCCURRED AND THE ITEMS THAT WILL BE OCCURRING AFTER NPDES COVERAGE IS ISSUED.
- NOTE: IF FLOWS FROM OFFSITE AREAS WILL BE DIVERTED AROUND THE SITE AND THE ON-SITE STRUCTURES ARE NOT DESIGNED TO HANDLE FLOWS FROM THE OFFSITE AREAS, THEN THE DIVERSIONS/ PIPING FOR THE OFFSITE FLOWS MUST BE INSTALLED BEFORE LAND-DISTURBING ACTIVITIES BEGIN ON THE SITE: INCLUDE THIS IN THE SEQUENCE. SEDIMENT AND EROSION CONTROL MEASURES FOR THE DISTURBED AREAS FOR THE DIVERSION/ PIPING MUST BE INSTALLED BEFORE THOSE AREAS ARE DISTURBED AND SHOULD BE SHOWN ON THE PLANS.
- NOTE: IF AN EXISTING DETENTION/ SEDIMENT BASIN IS BEING MODIFIED TO HANDLE THE FLOWS FROM THE PROPOSED DEVELOPMENT, THEN IT MUST BE MODIFIED BEFORE LAND-DISTURBING ACTIVITIES BEGIN ON THE SITE. THIS SHOULD BE INCLUDED IN THE SEQUENCE.
- NOTE: INCLUDE INDIVIDUAL LOT DEVELOPMENT/ CONSTRUCTION IN THE SEQUENCE IF THE SITE WILL NOT BE MASS-GRADED.
- NOTE: INSTALLATION OF SOME PERMANENT WATER QUALITY DEVICES SHOULD OCCUR AFTER THE SITE IS STABILIZED: INCLUDE THIS IN THE SEQUENCE. CLEANOUT OF OTHER WATER QUALITY DEVICES THAT WERE USED DURING CONSTRUCTION SHOULD OCCUR AFTER SITE STABILIZATION.
- NOTE: MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.

SEDIMENT AND EROSION CONTROL NOTES:

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERM'S MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
  - WHERE STABILIZATION BY THE 14<sup>TH</sup> DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
  - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK, IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 12-300 ET SEQ. AND SCR100000.
- TEMPORARY DIVERSION BERM'S AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SUPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE:
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
  - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL:
  - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS:
  - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE: AND
  - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR S.C'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SUPPP AND ALTERNATIVE BMP'S MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SUPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

GRASSING SPECIFICATIONS

- GRASS/SOIL PREPARATION-
- REMOVE AND DISPOSE OF ALL ROCKS AND DEBRIS LARGER THAN 3/4" IN DIAMETER FROM THESE AREAS.
  - USE A SEED-SLITTER OVER THE ENTIRE AREA UNTIL A MIXTURE OF 180 LBS OF COMMON BERMUDA SEED, 550 LBS OF TURF TYPE FESCUE SEED, AND 500 LBS OF 18-24-12 STARTER FERTILIZER IS INSERTED INTO THE SOIL.
  - AGGRESSIVELY CORE AERATE (4" DEEP) WITH A PLUG CORER OVER THE ENTIRE AREA AND BACK DRAG SOIL INTO ANY LOW PLACES AS NEEDED.
  - BRING IN 40 TONS OF TOPSOIL IN THE AREAS AS SHOWN ON THE DRAWING. 15-20 YARDS ARE NEEDED AT THE FRONT RIGHT OF THE SCHOOL. THE REMAINING SOIL IS TO BE USED AS NEEDED IN AREAS WHERE THE GROUND IS HARD.
  - OVER SEED ALL SHADY AREAS WITH ADDITIONAL TURF TYPE FESCUE SEED AT THE RATE OF 3 LBS PER 1,000 SQ. FT. OR APPROXIMATELY 50 LBS TOTAL.

HYDROSEED-

- HEAVILY HYDROSEED ALL AREAS USING A MIXTURE OF 180 LBS OF COMMON BERMUDA SEED, 550 LBS OF TURF TYPE FESCUE SEED, 500 LBS OF 18-24-12 STARTER FERTILIZER, 750LBS OF LIME AND 1200-1400 LBS OF WOOD MULCH FIBER.
- WATER IN ALL AREAS ONE TIME.

GRASS MATTING-

- PROVIDE BIODEGRADABLE STRAW OR COCONUT FIBER MATTING OVER ALL SLOPED AREAS SHOWN. INCLUDE MANUFACTURER'S RECOMMENDED STEEL WIRE STAPLES, 6- INCHES LONG.

SEED PROTECTION-

- USE CAUTION TAPE AND STAKES TO BARRICADE OFF ALL SEEDED AREAS SO THAT CHILDREN DO NOT DISTURB WHEN THEY RETURN.

PROJECT TIMELINE-

ALL WORK IS TO BE COMPLETED BETWEEN APRIL 16TH AND APRIL 23RD. SCHOOL WILL BE OUT FOR SPRING BREAK

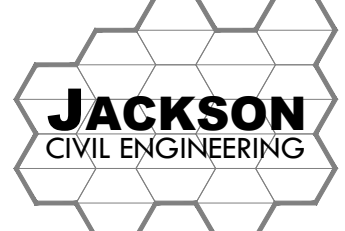
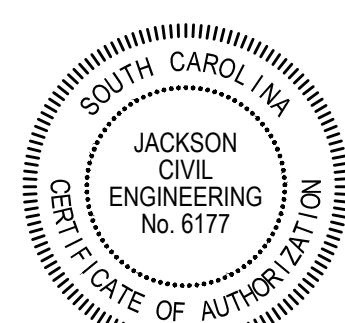
GENERAL GRADING NOTES:

- THIS IS NOT A BALANCED SITE. IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO HAUL IN OR HAUL OFF DIRT AS NECESSARY TO COMPLETE CONSTRUCTION.
- INSTALLATION OF SOIL EROSION CONTROL MEASURES AND PRACTICES WILL BE IMPLEMENTED PRIOR TO LAND DISTURBING ACTIVITIES
- FINAL GRADING WILL CONSIST OF SPREADING TOPSOIL (4" MINIMUM) TO FINISHED GRADES AS INDICATED ON ALL DISTURBED AREAS.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED AS DETERMINED BY ON-SITE INSPECTION.
- ALL DISTURBED AREAS TO BE SODDED OR HYDROSEEDED ACCORDING TO GRASSING SPECIFICATIONS
- UNTIL THE SITE IS STABILIZED, SEDIMENT SHALL BE REMOVED FROM PONDS AFTER EVERY SIGNIFICANT RAINFALL EVENT (GREATER THAN 0.5 INCHES). AFTER THE SITE IS STABILIZED REGRADE THE PONDS TO DESIGN DEPTH. ANY SEDIMENT REMOVED SHOULD BE PROPERLY DISPOSED OF OR USED ONSITE.
- ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS AND/OR UNDER THE SUPERVISION OF A SOILS CONSULTANT.

CERTIFICATION STATEMENT

*"I have placed my signature and seal on the design documents submitted signifying that I accept responsibility for the design of the system. Further, I certify to the best of my knowledge and belief that the design is consistent with the requirements of Title 48, Chapter 14 of the Code of Laws of SC, 1976 as amended, pursuant to Regulation 72-300 et seq. (if applicable), and in accordance with the terms and conditions of SCR100000."*

ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202



221 Powell Drive  
Lexington, SC 29072

No	Description	Date					

CONSTR DOCS

DRAWN BY:

RPJ

CHECKED BY:

JCE

PROJECT NO:

2335

DATE:

NOV 2, 2023

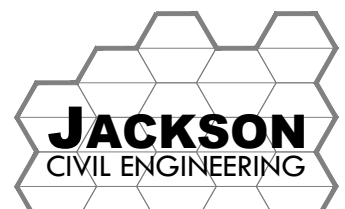
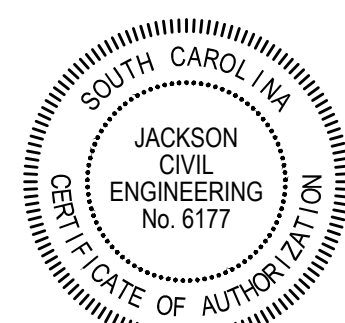
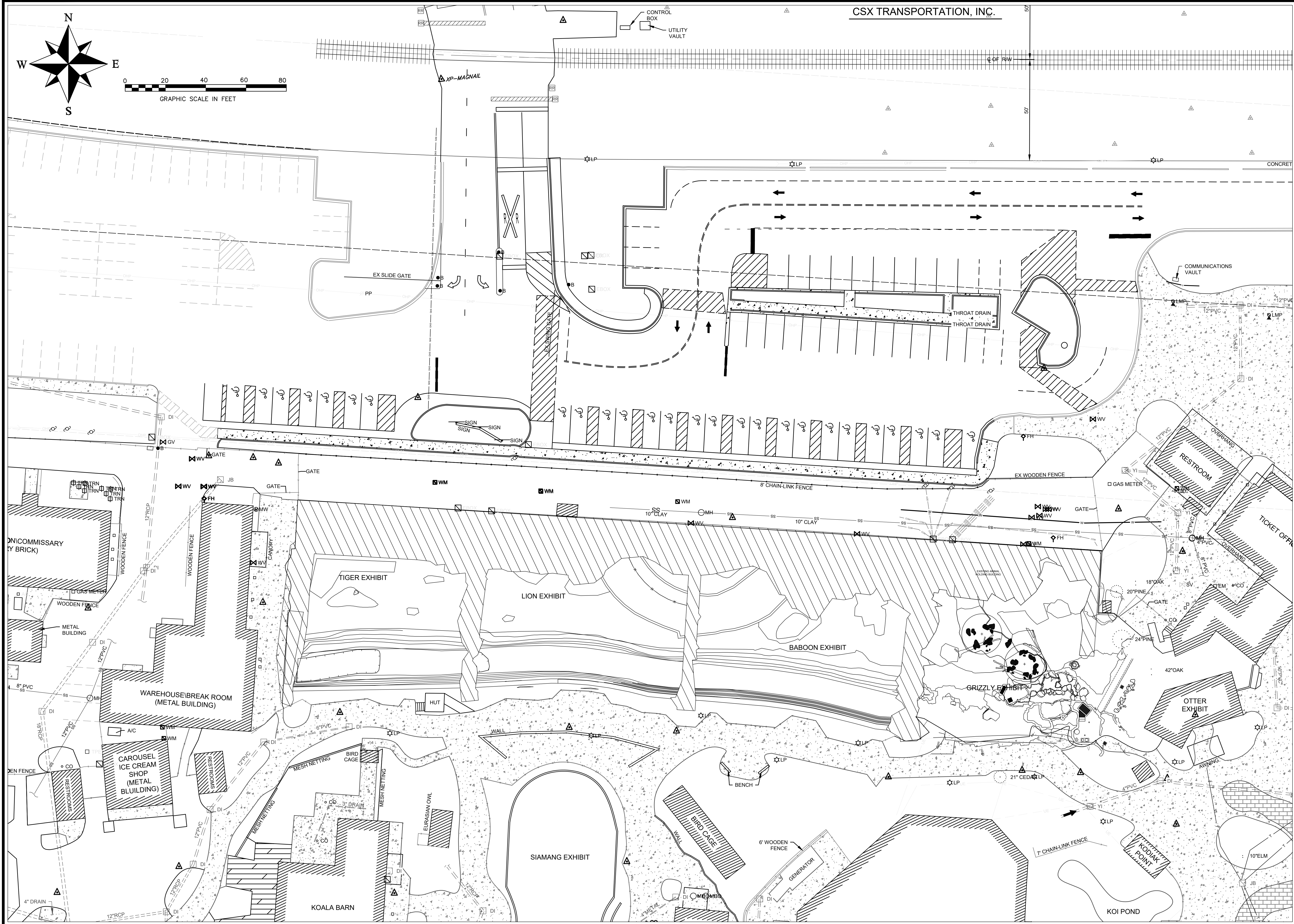
SHEET TITLE:

GENERAL NOTES

SHEET NO:

C101





221 Powell Drive  
Lexington, SC 29022

ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202

No	Description	Date

CONSTR DOCS

DRAWN BY: RPJ

CHECKED BY: JCE

PROJECT NO: 2335

DATE: NOV 2, 2023

SHEET TITLE:

TOPOGRAPHIC SURVEY

SHEET NO:

C102

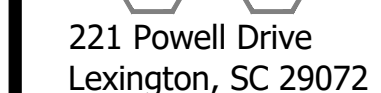
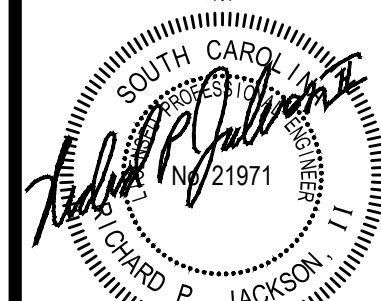










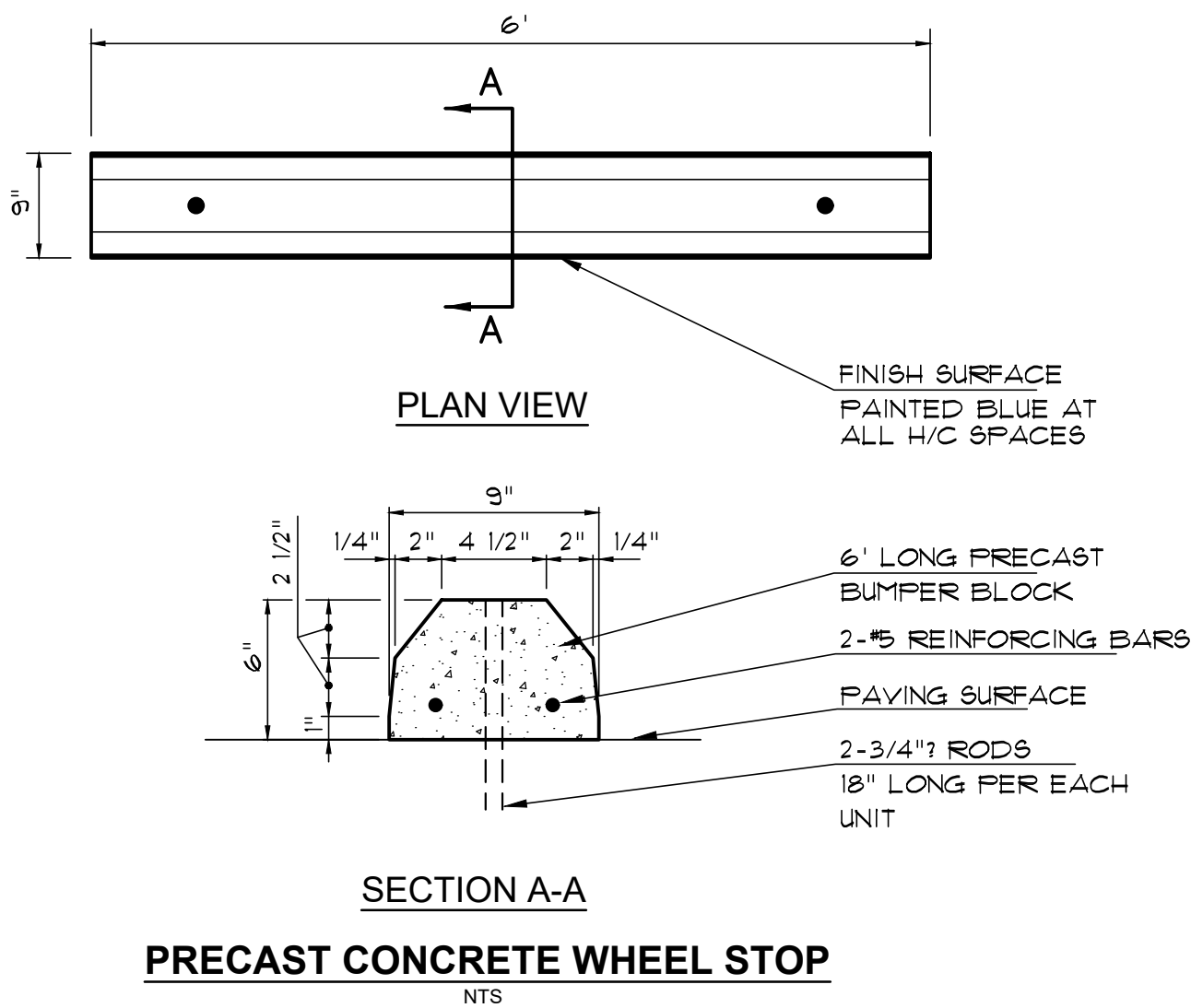
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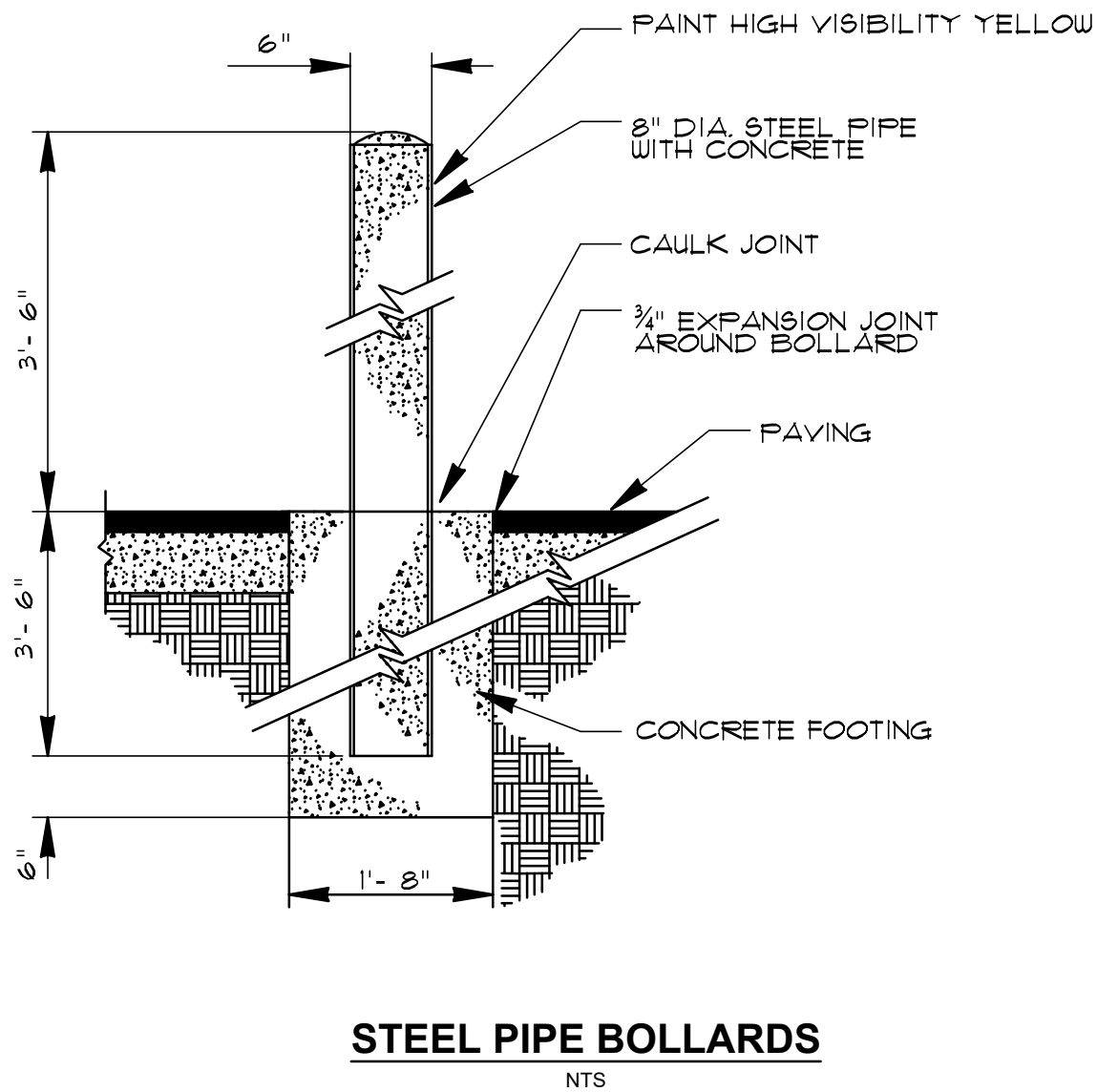
SHEET NO:

C202

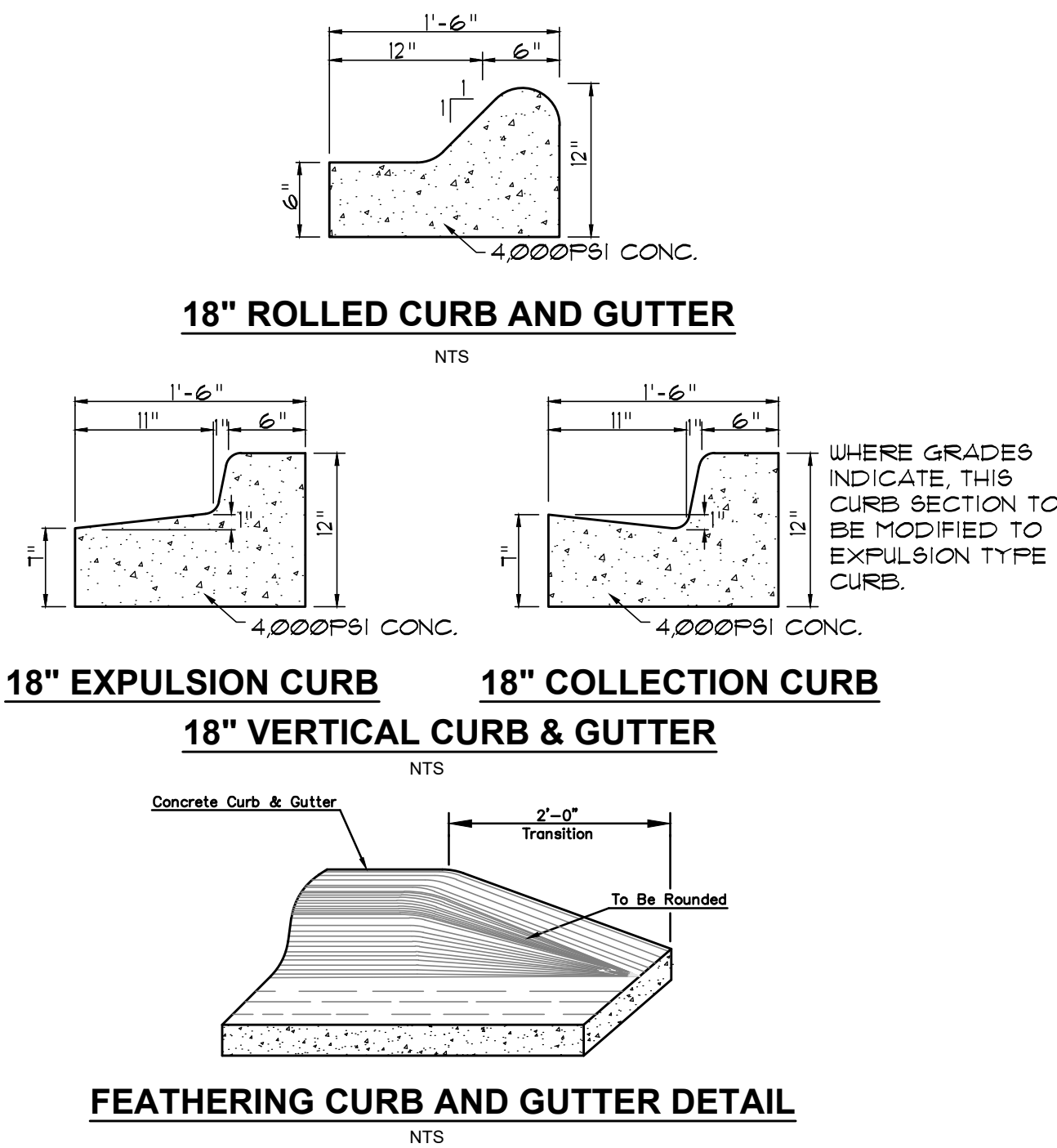




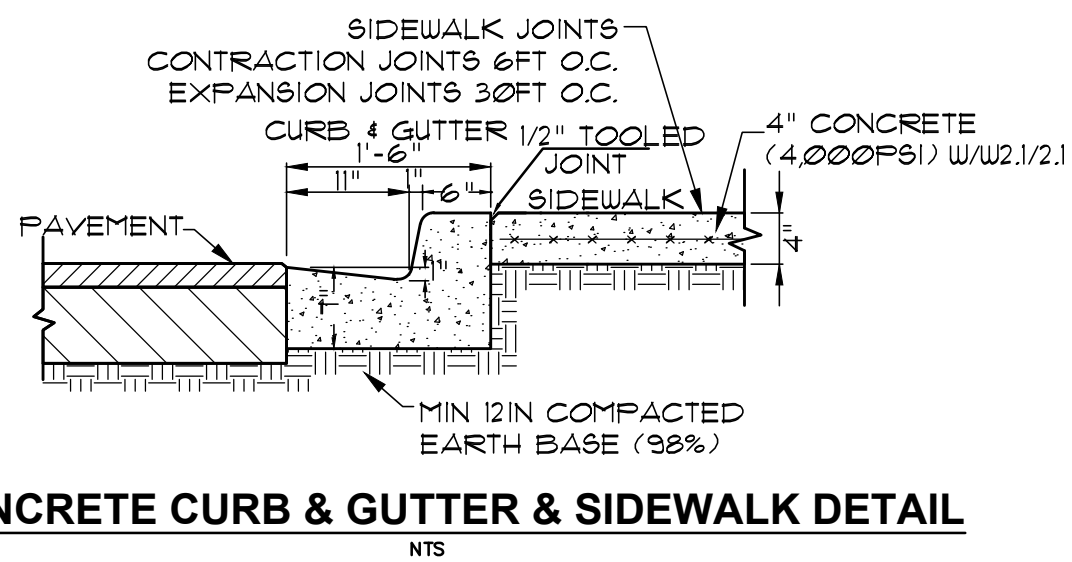
PRECAST CONCRETE WHEEL STOP



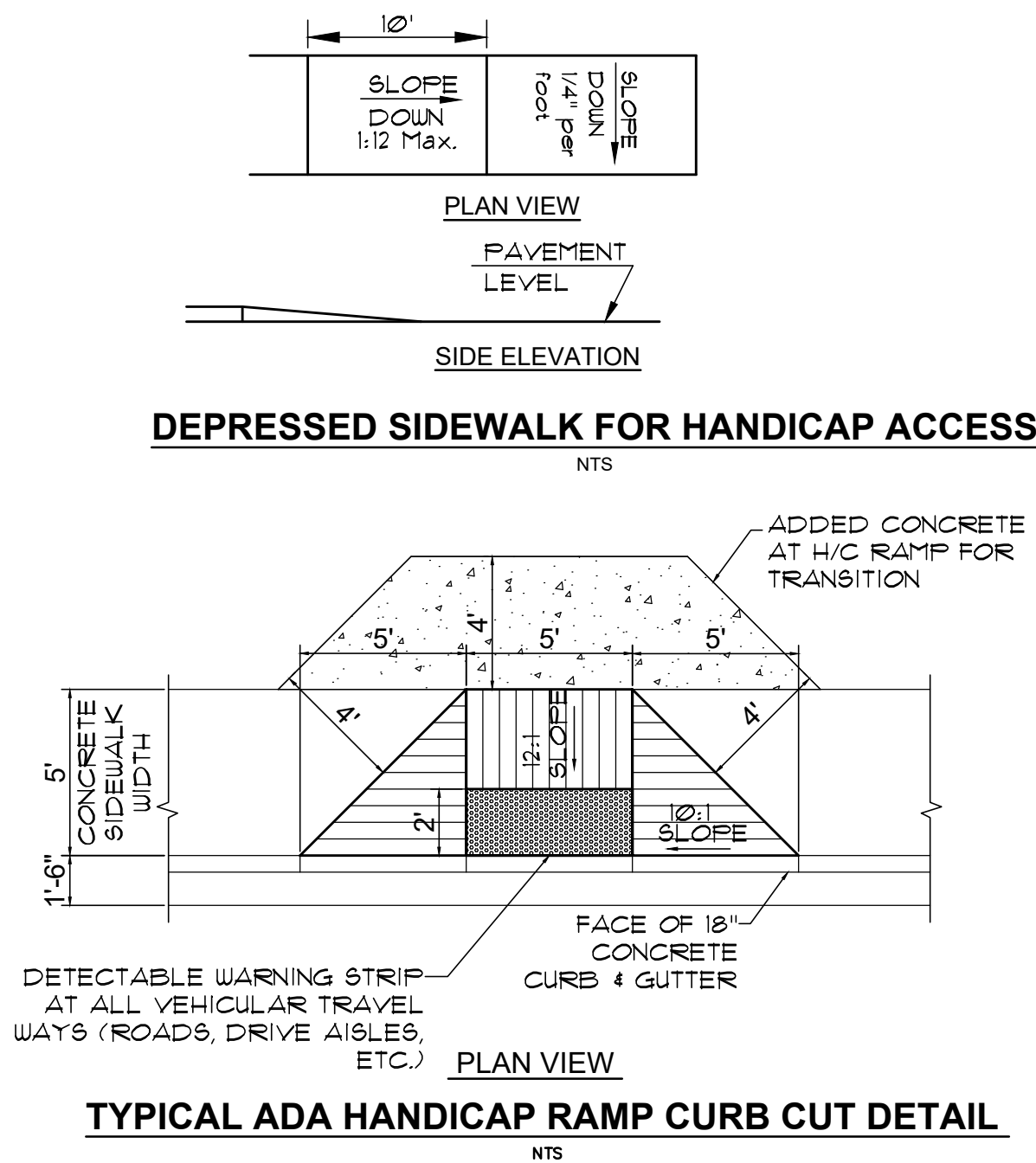
STEEL PIPE BOLLARDS



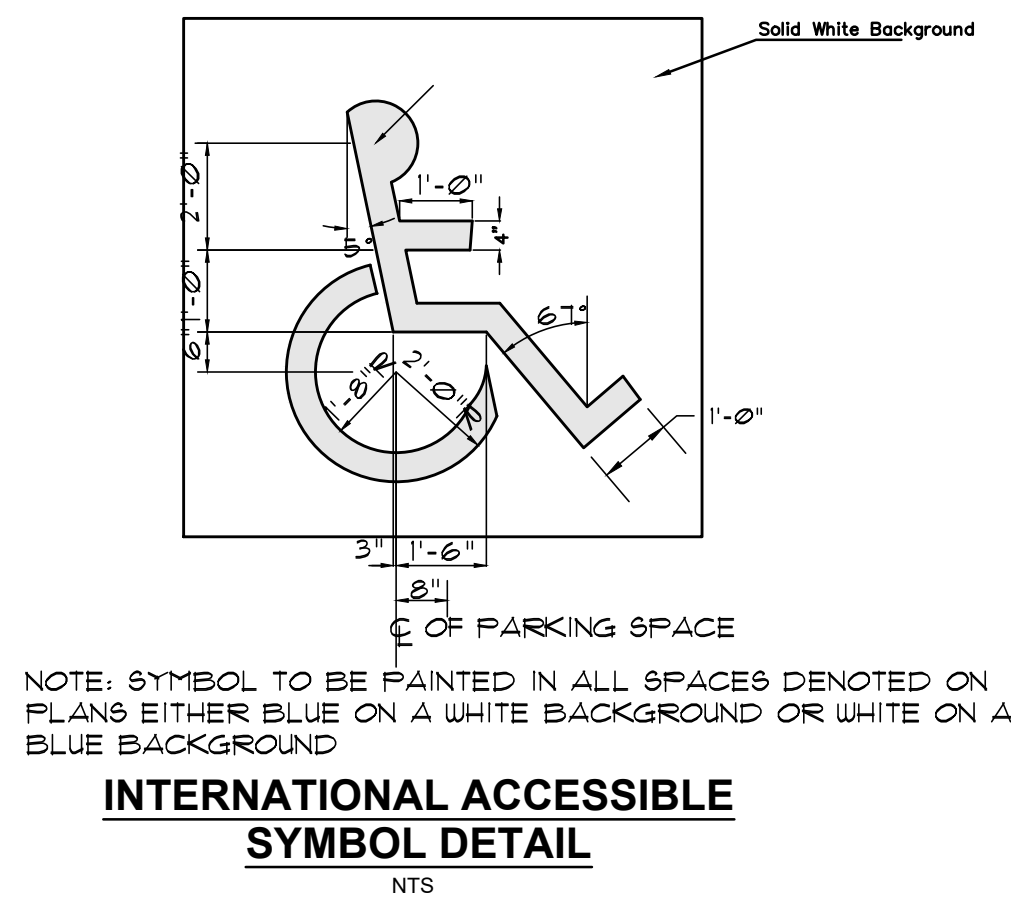
FEATHERING CURB AND GUTTER DETAIL



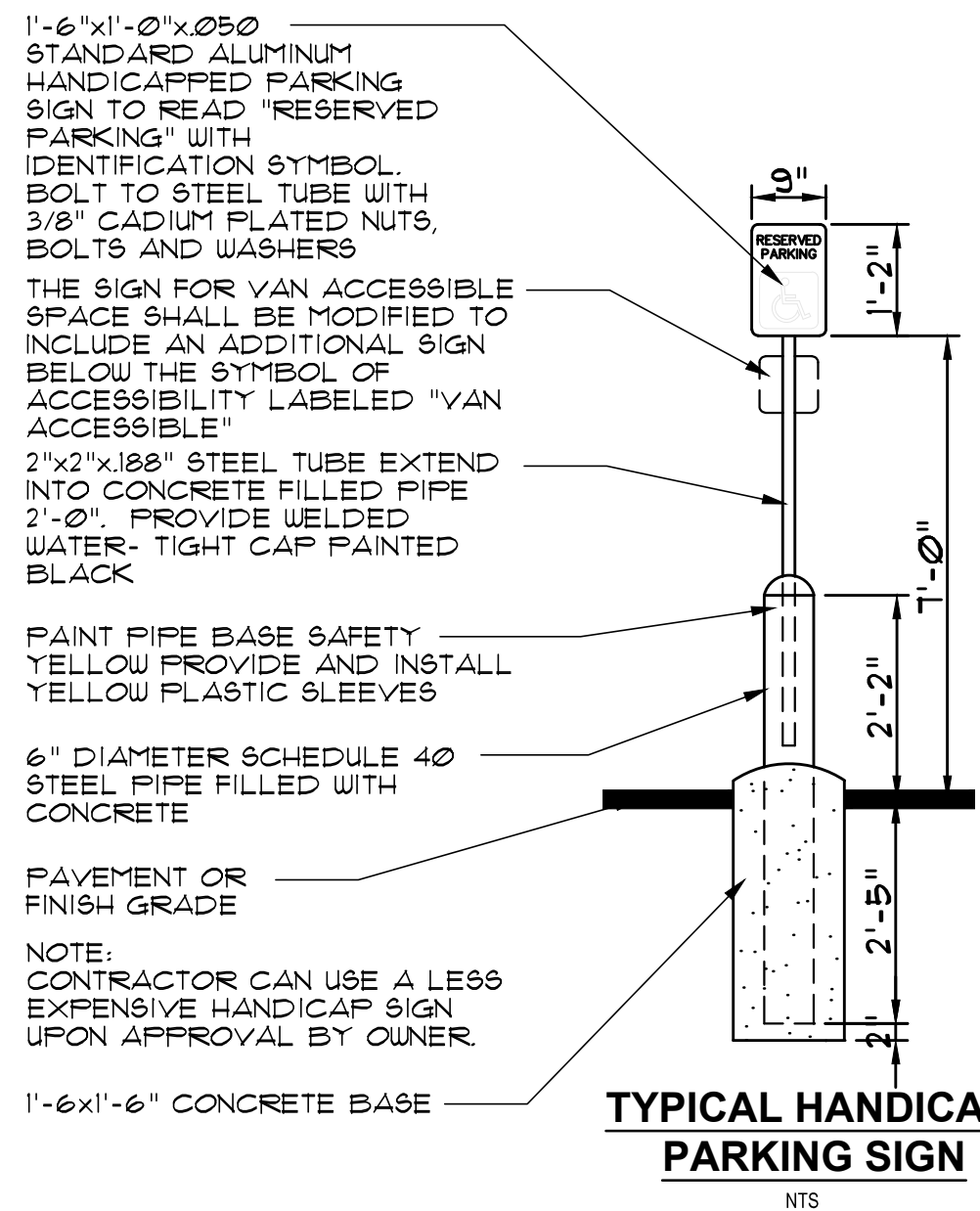
CONCRETE CURB & GUTTER & SIDEWALK DETAIL



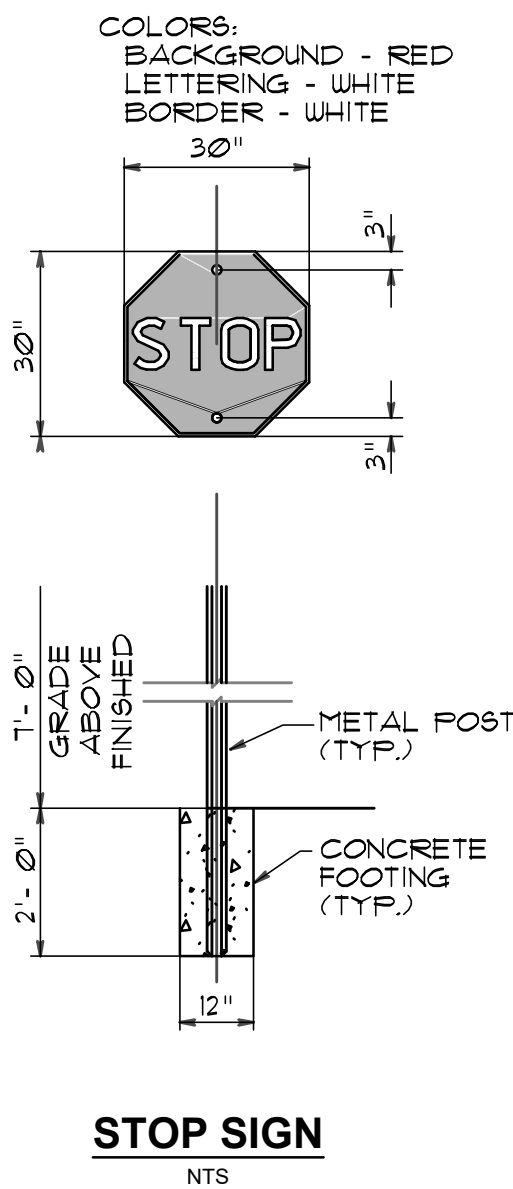
TYPICAL ADA HANDICAP RAMP CURB CUT DETAIL



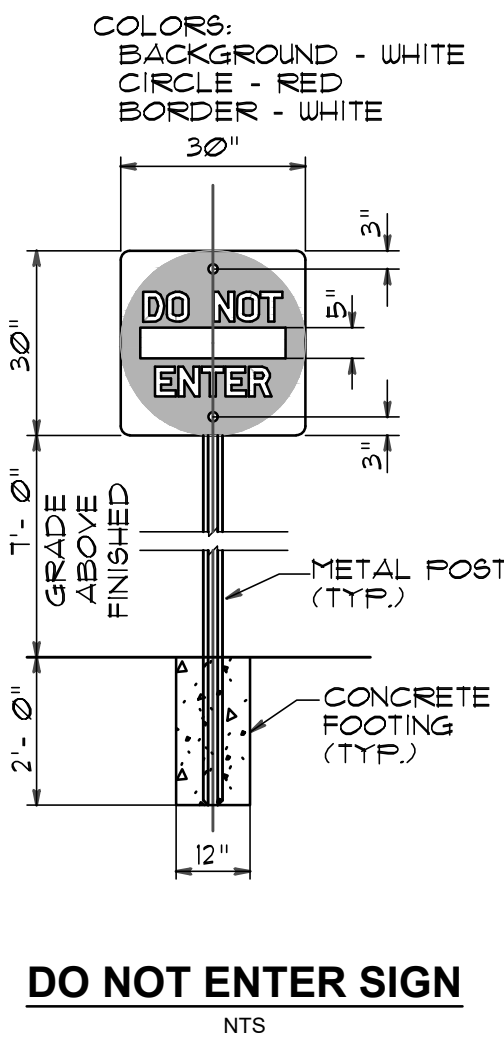
INTERNATIONAL ACCESSIBLE SYMBOL DETAIL



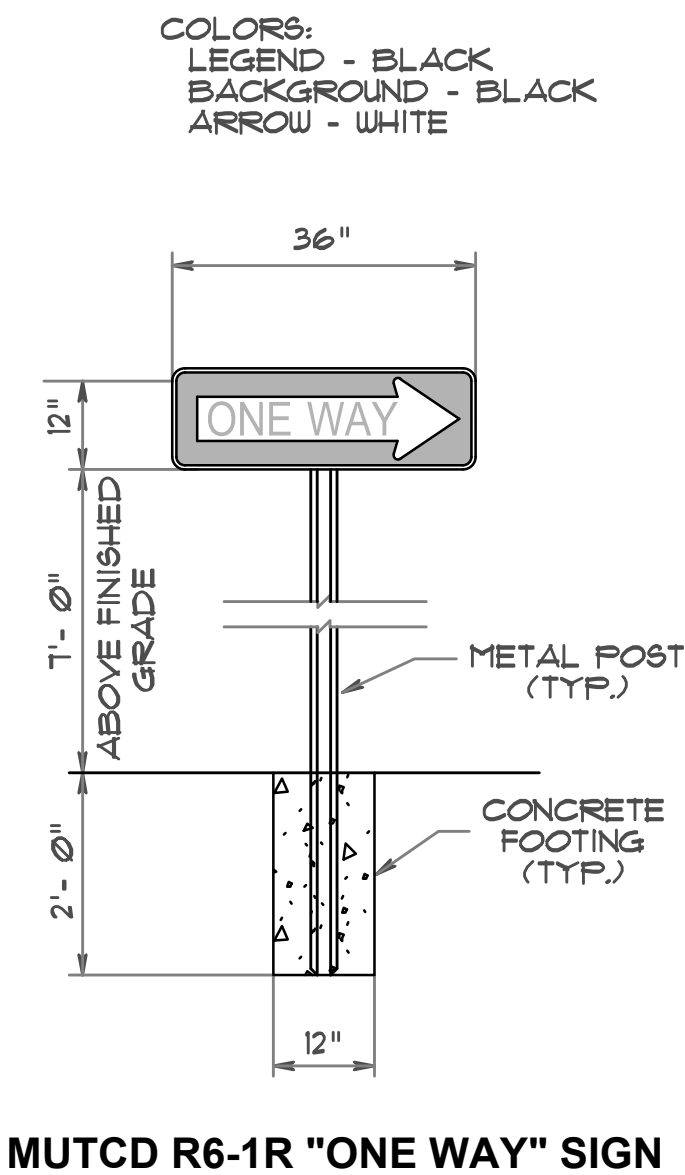
TYPICAL HANDICAP PARKING SIGN



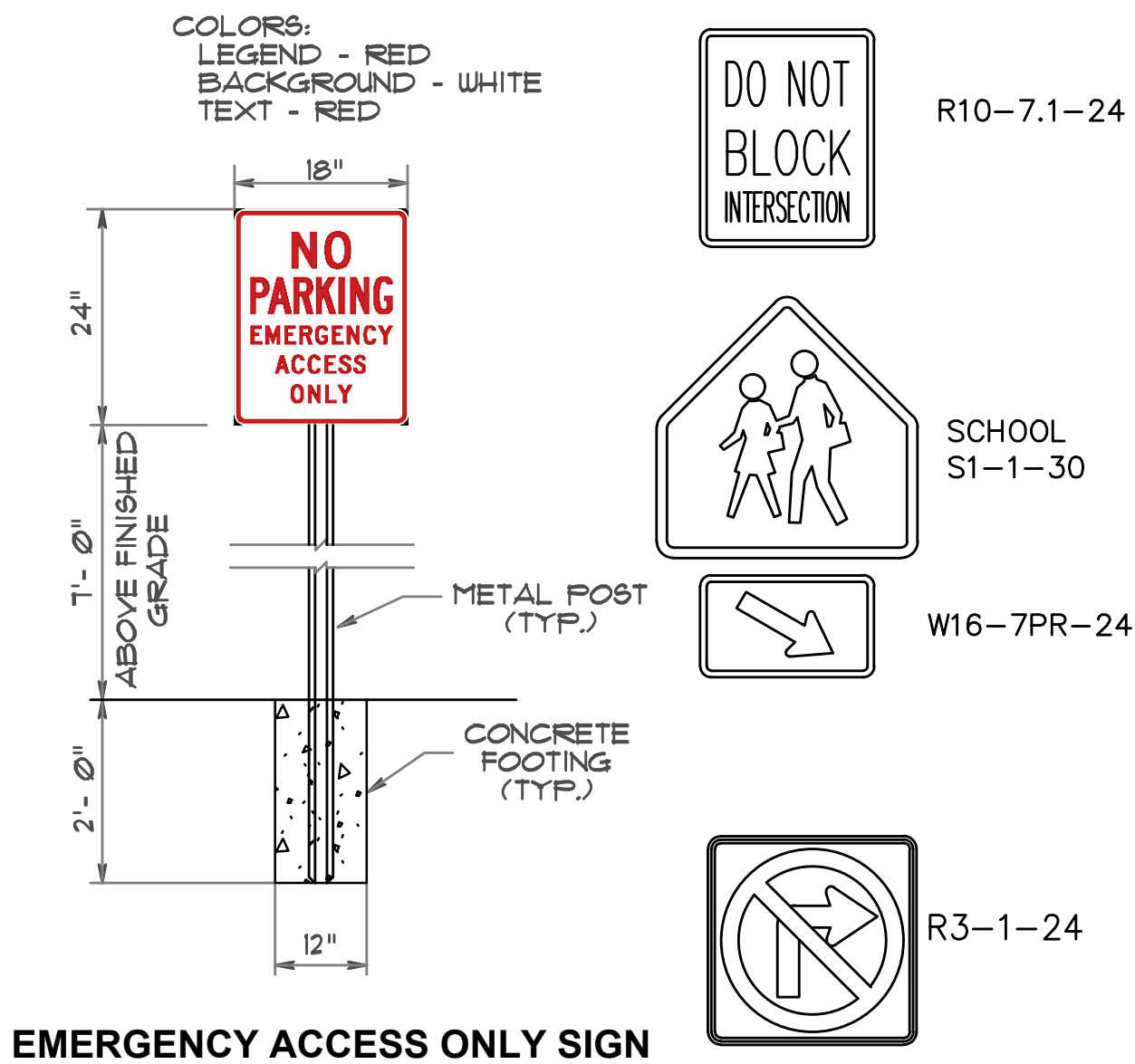
STOP SIGN



DO NOT ENTER SIGN



MUTCD R6-1R "ONE WAY" SIGN



EMERGENCY ACCESS ONLY SIGN



ADA RESERVED PARKING ONLY SIGN

ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202

No	Description	Date

CONSTR DOCS

DRAWN BY: RPJ

CHECKED BY: JCE

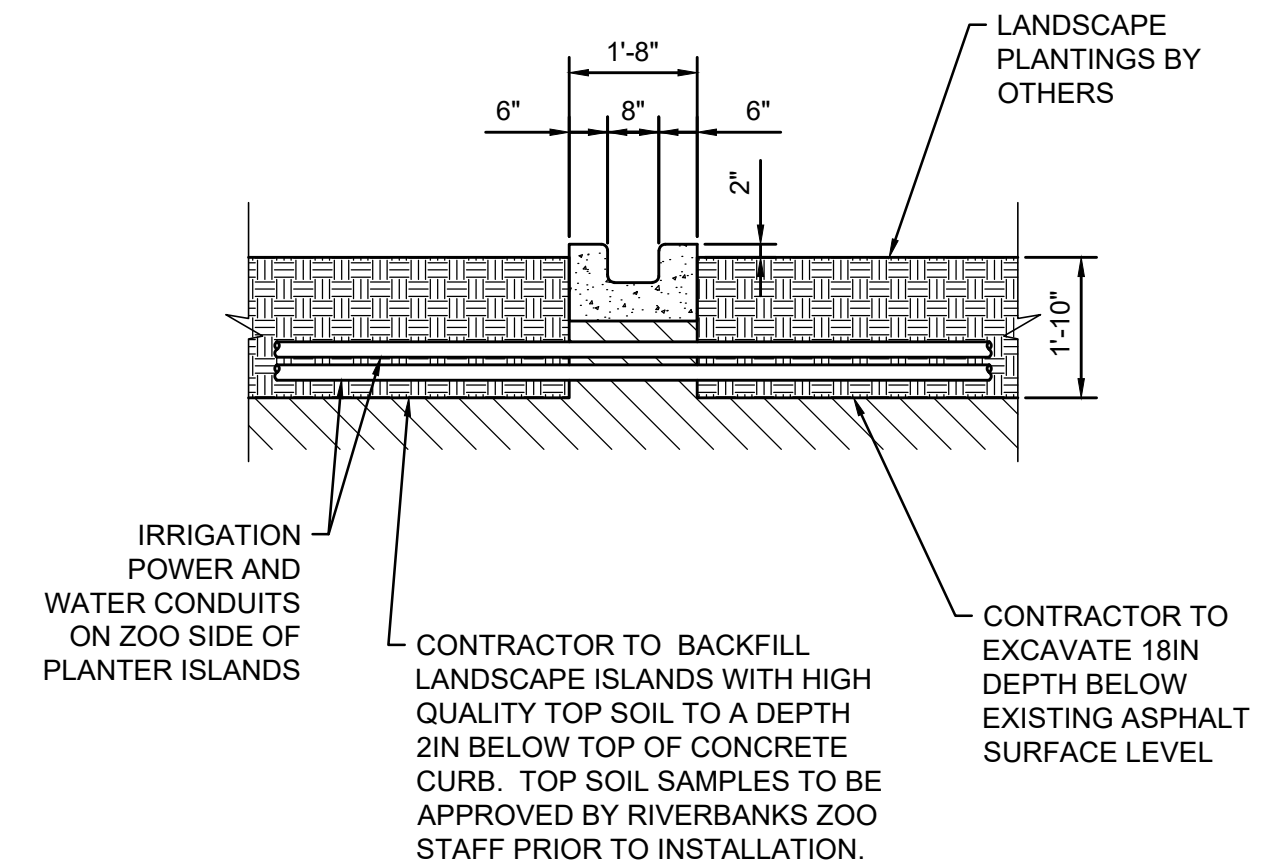
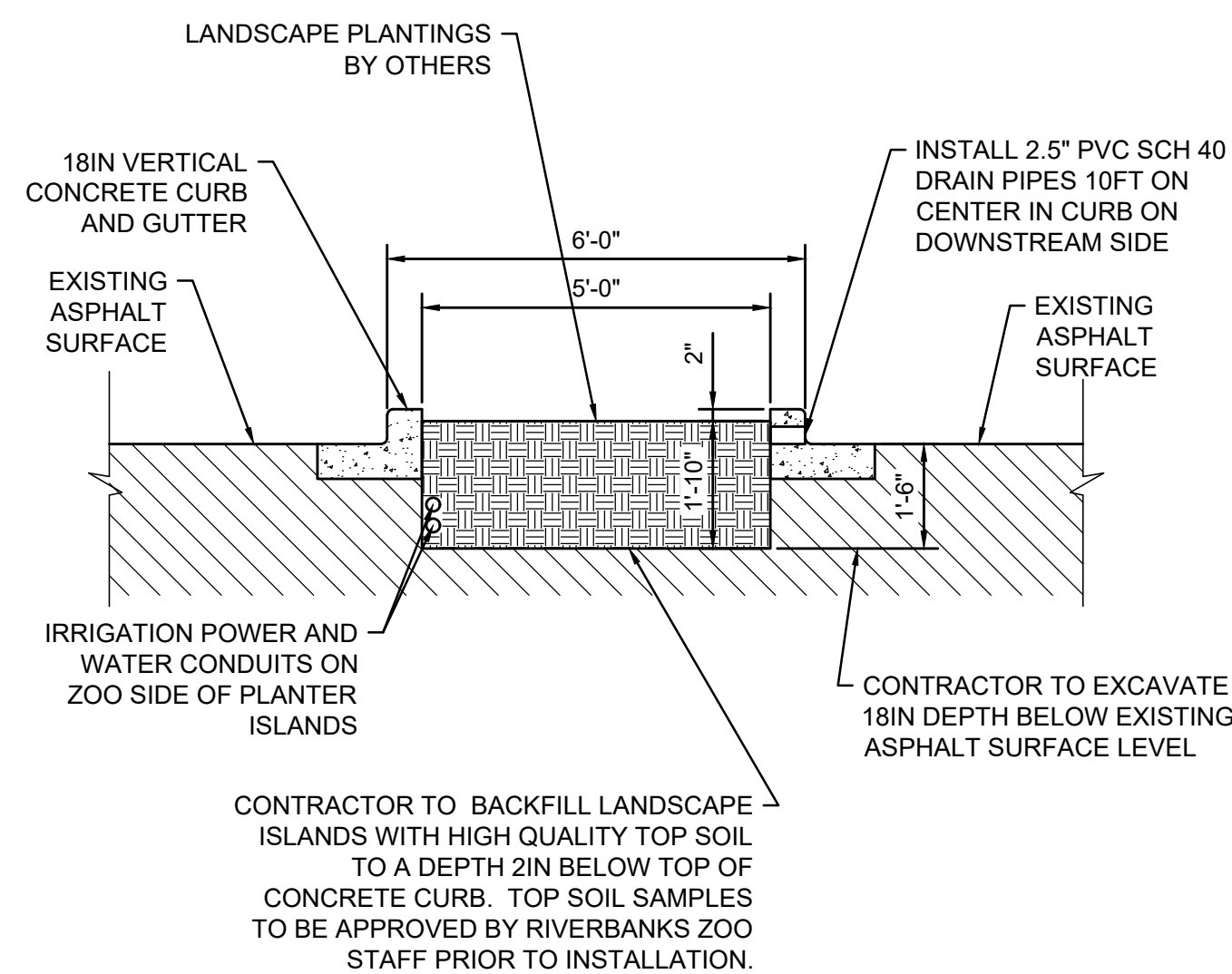
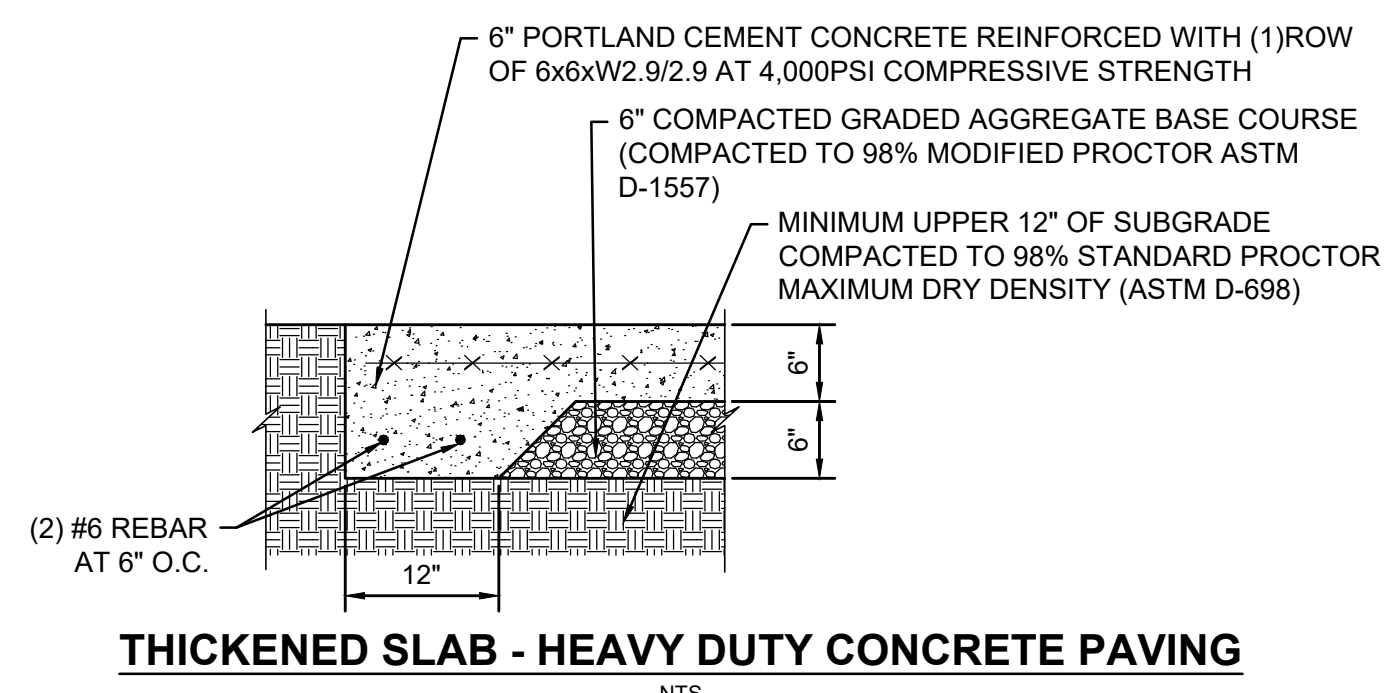
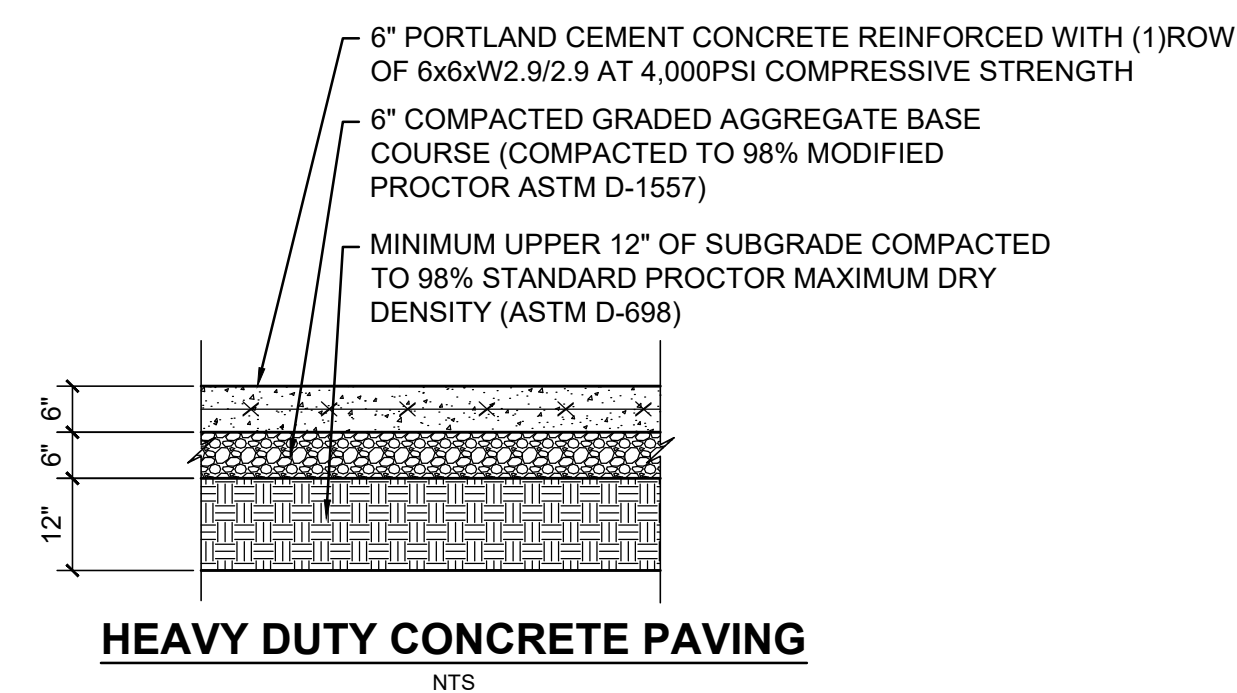
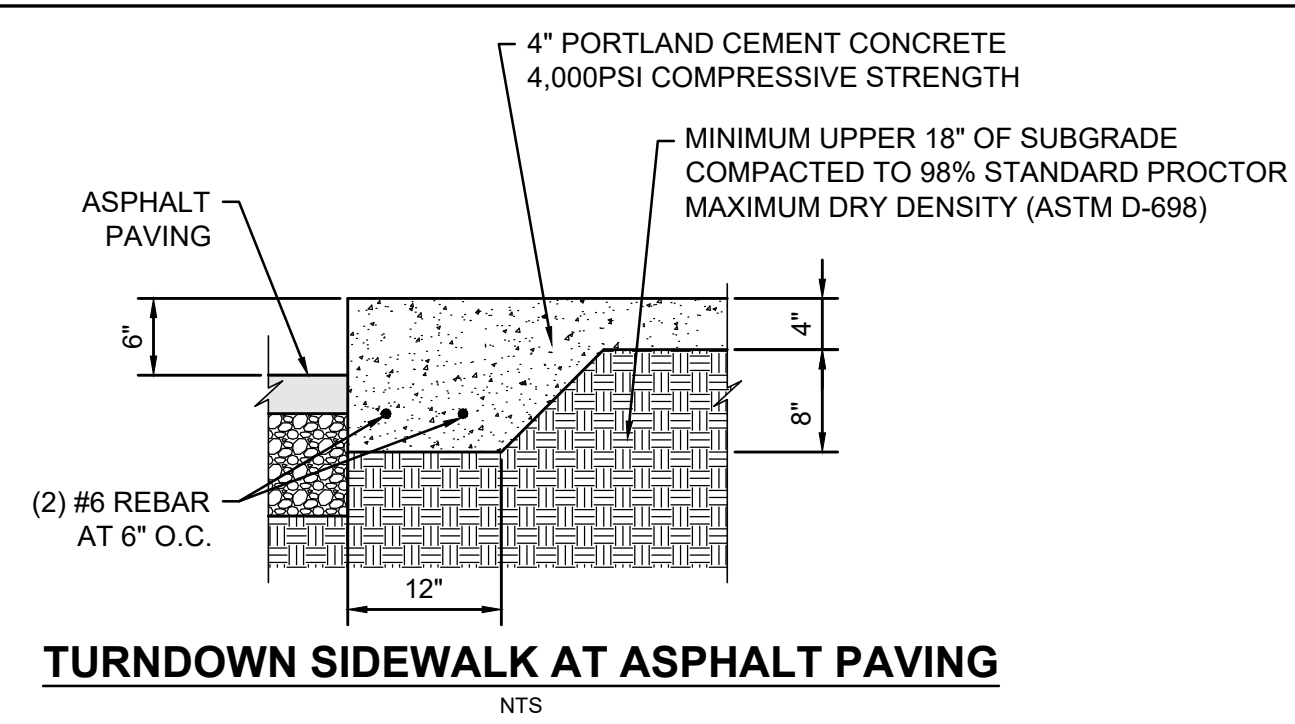
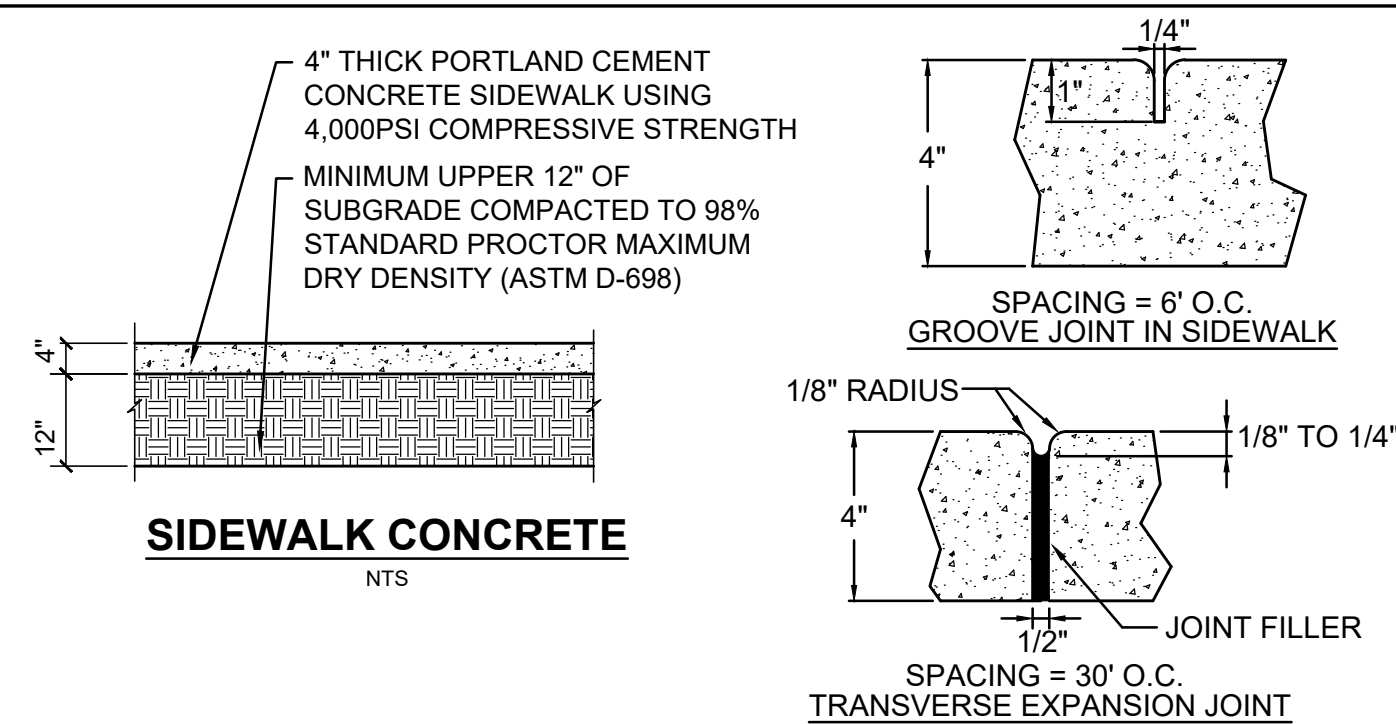
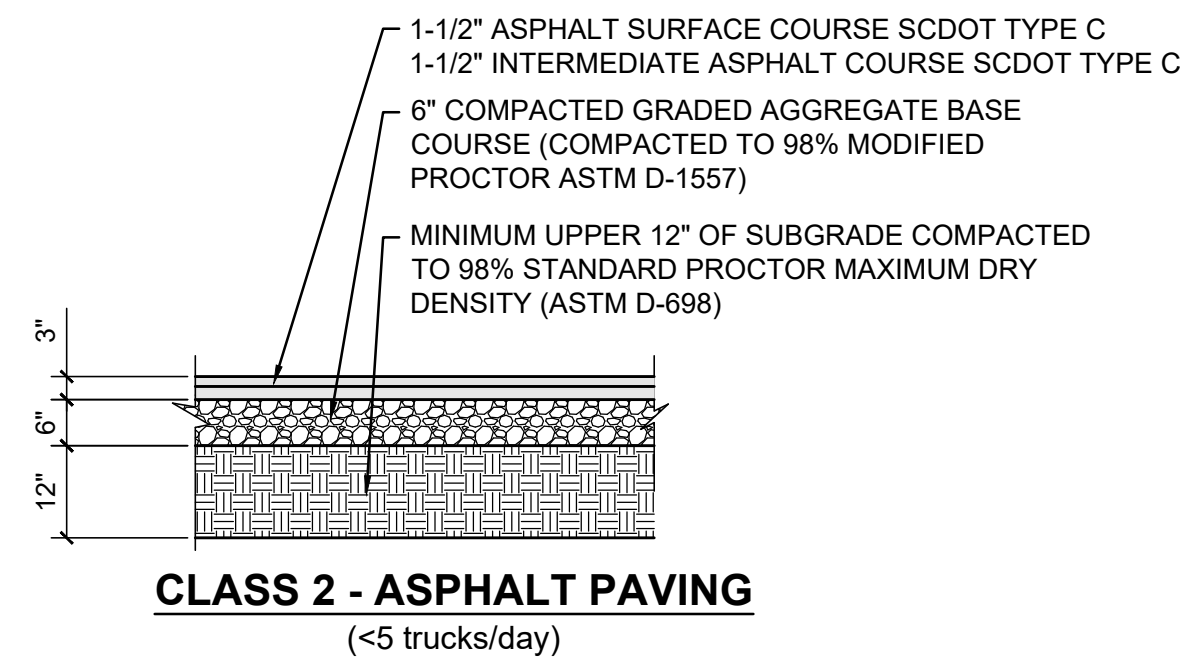
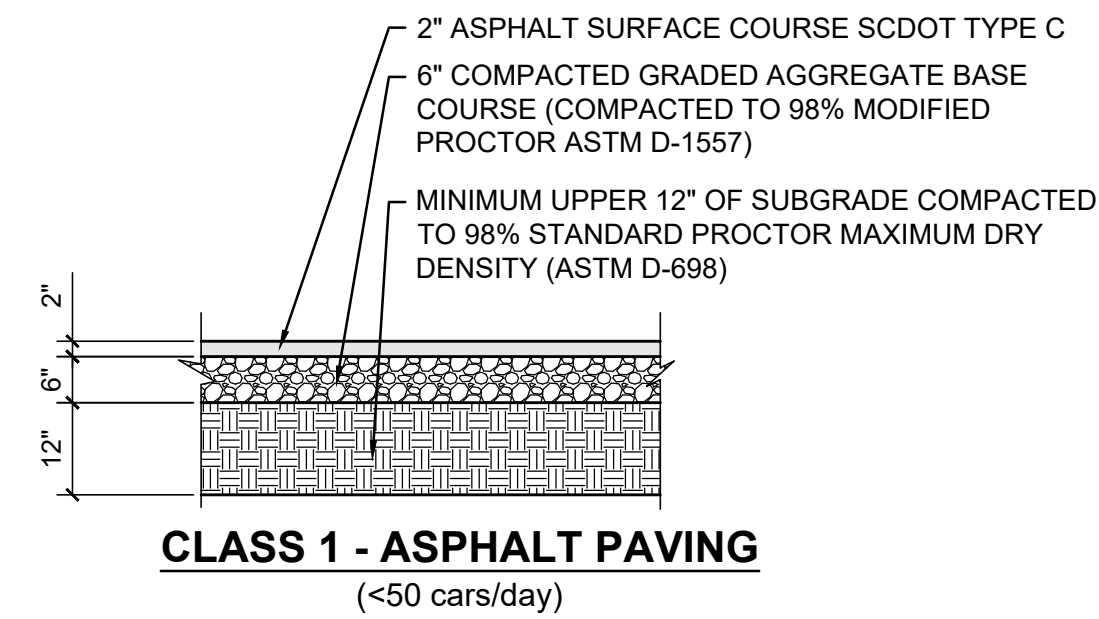
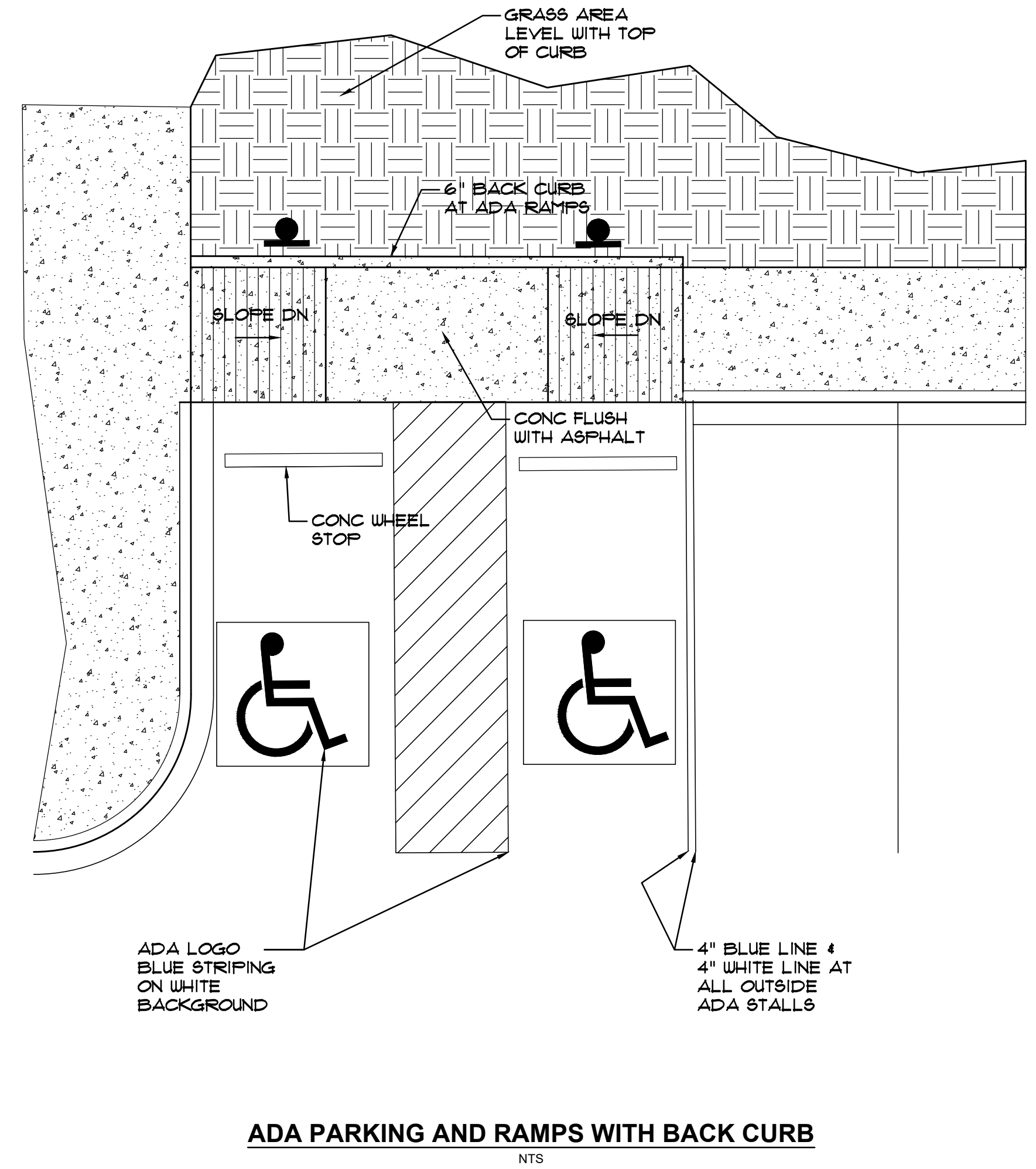
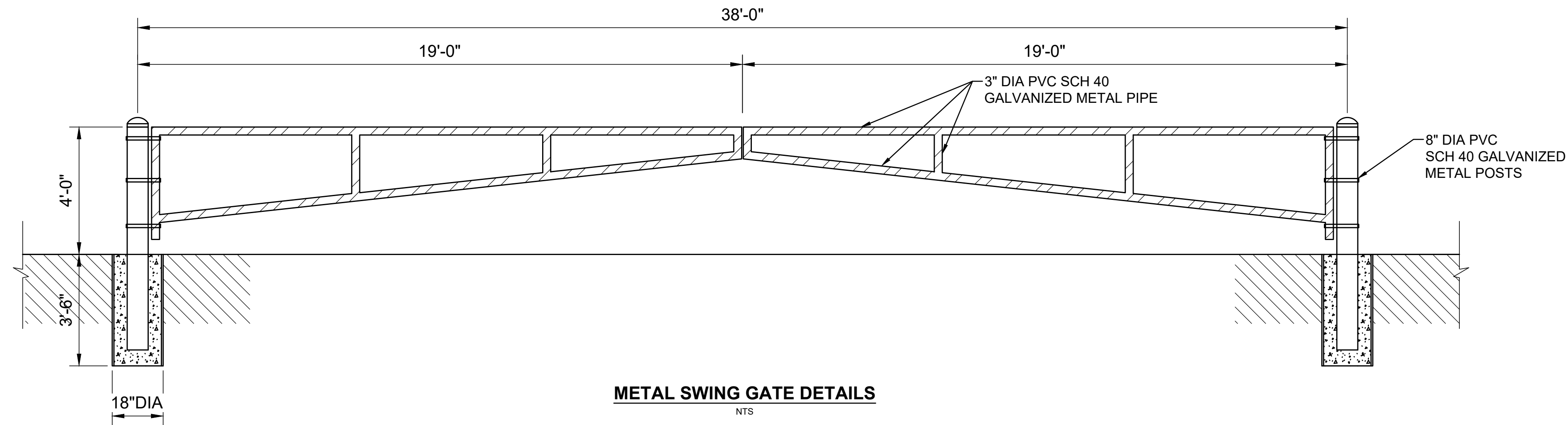
PROJECT NO: 2335

DATE: NOV 2, 2023

SHEET TITLE:

SITE DETAILS

SHEET NO: C301



ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202

No	Description	Date

CONSTR DOCS

DRAWN BY: RPJ

CHECKED BY: JCE

PROJECT NO: 2335

DATE: NOV 2, 2023

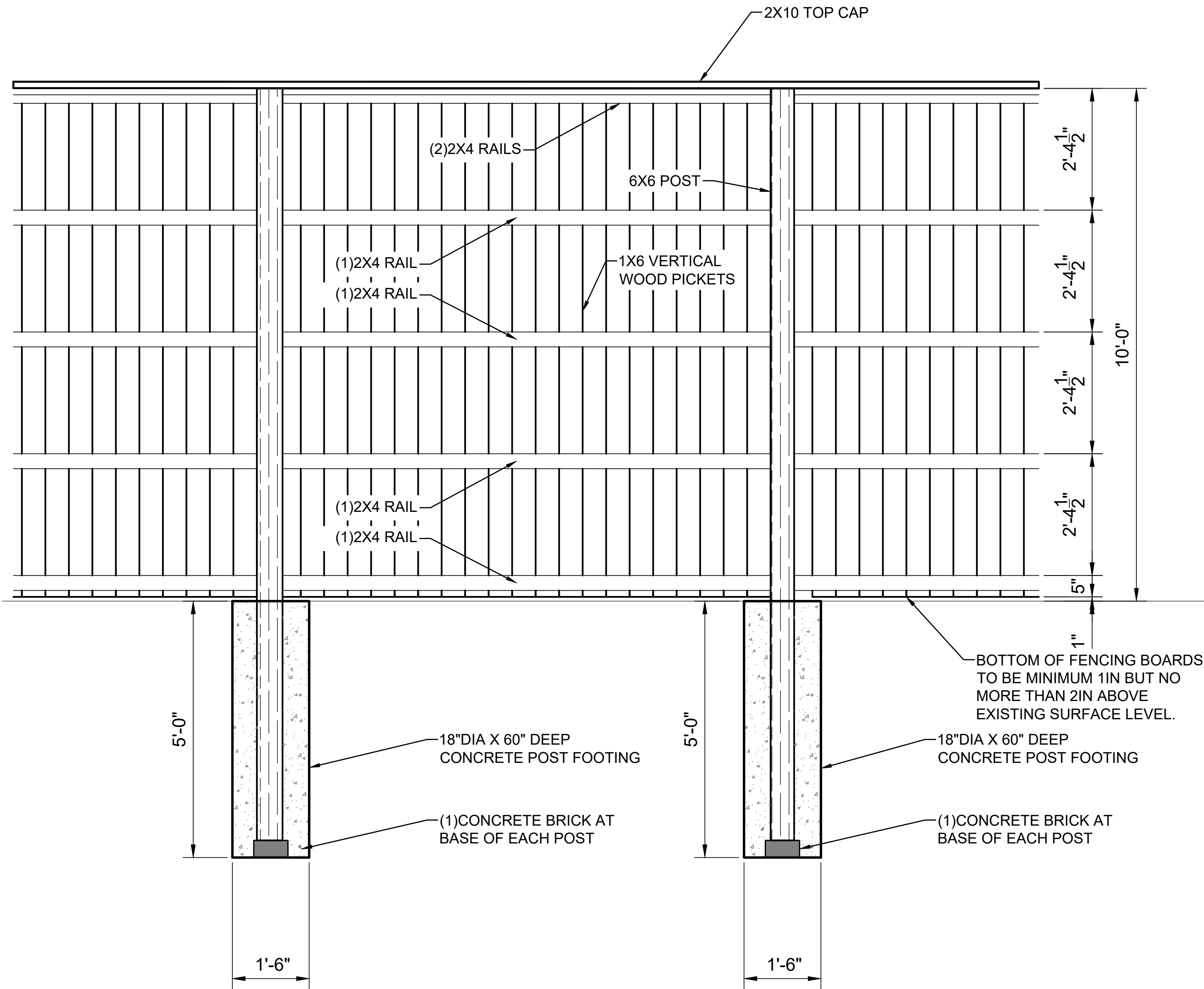
SHEET TITLE: SITE DETAILS

SHEET NO: C302

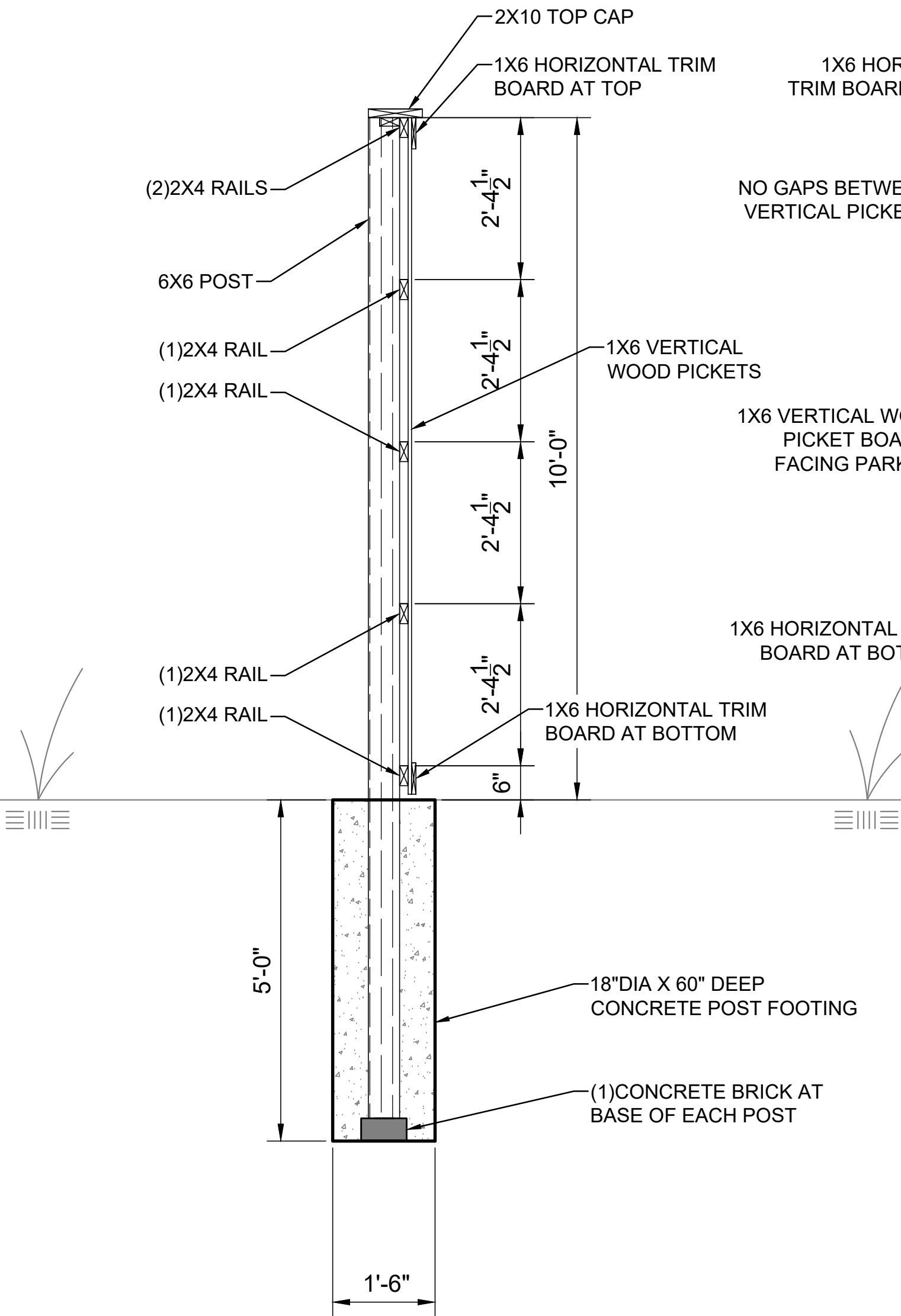


WOOD FENCING NOTES:

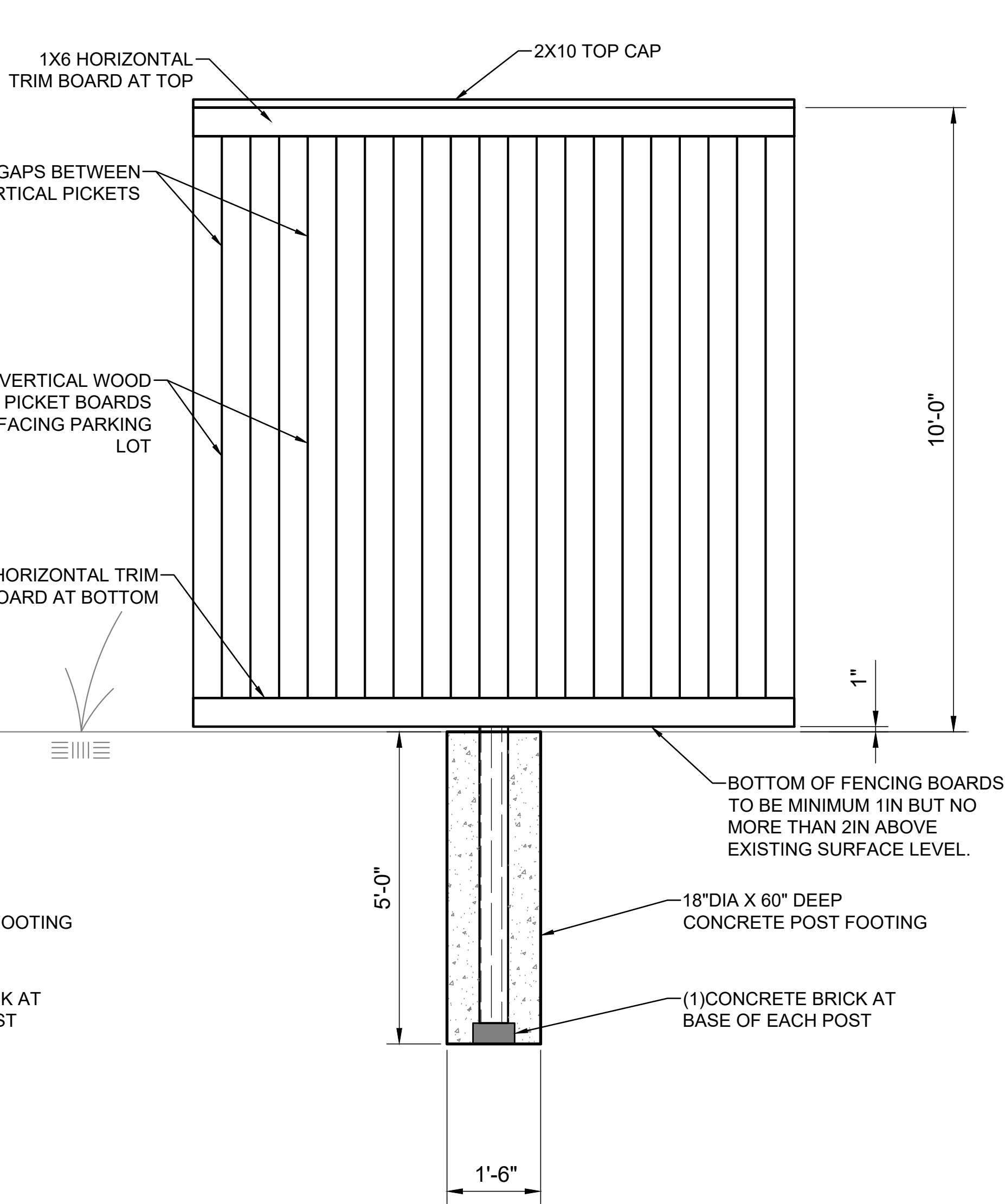
1. ALL WOOD TO BE EXTERIOR GRADE PRESSURE TREATED LUMBER.
2. CUT THE RAILS SO JOINTS FALL AT THE CENTER OF THE POSTS AND ENDS BUTT TOGETHER TIGHTLY.
3. USE FIVE (5) HORIZONTAL RAILS TO SECURE VERTICAL PICKETS TO POSTS.
4. FASTEN THE RAILS TO THE POSTS WITH 3" EXTERIOR GRADE DECK SCREWS.
4. FASTEN THE VERTICAL PICKETS TO THE RAILS WITH EXTERIOR GRADE 1-5/8" DECK SCREWS.
5. ONLY WHOLE PIECES TO BE USED. NO MID-SPAN JOINTS ALLOWED.
6. THE FENCE HEIGHT SHOULD BE A MINIMUM 120IN ABOVE GRADE.
7. TOP OF FENCE SHALL BE UNIFORMLY CONSISTENT AND NOT HAVE PEAKS AND VALLEYS.
8. INSTALL FENCE POSTS AT 10FT ON CENTER.
9. INSTALL A CONCRETE BRICK AT BOTTOM OF EACH POST FOOTING TO ENSURE THAT POST BOTTOM DOES NOT DIRECTLY TOUCH THE DIRT.



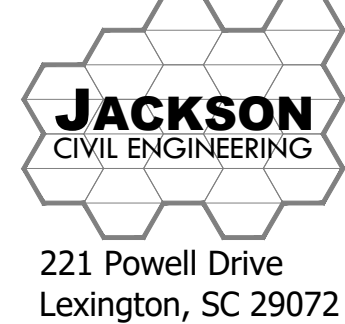
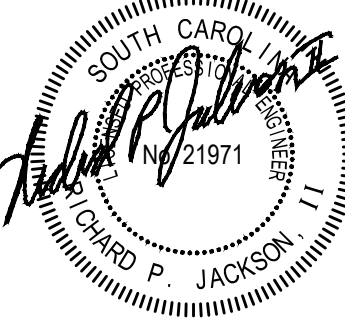
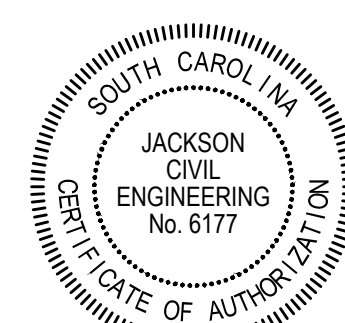
BACKSIDE (ZOO SIDE) - ELEVATION VIEW



SECTION VIEW



FRONTSIDE (PARKING LOT SIDE) - ELEVATION VIEW



ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202

Date				
Description				
No				

CONSTR DOCS

DRAWN BY: RPJ

CHECKED BY: JCE

PROJECT NO: 2335

DATE: NOV 2, 2023

SHEET TITLE:

SITE DETAILS

NEW 10FT

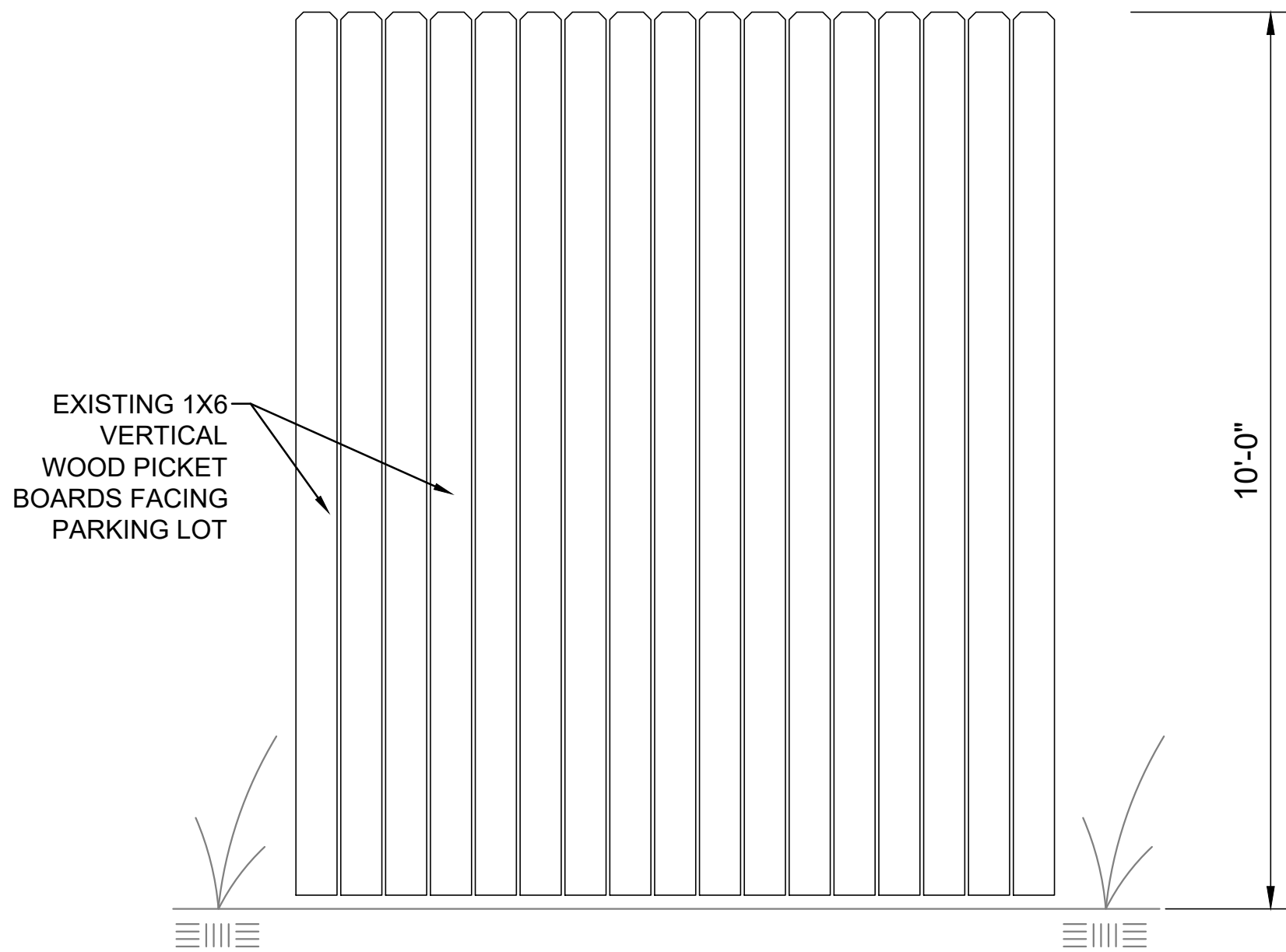
WOOD FENCE

SHEET NO:

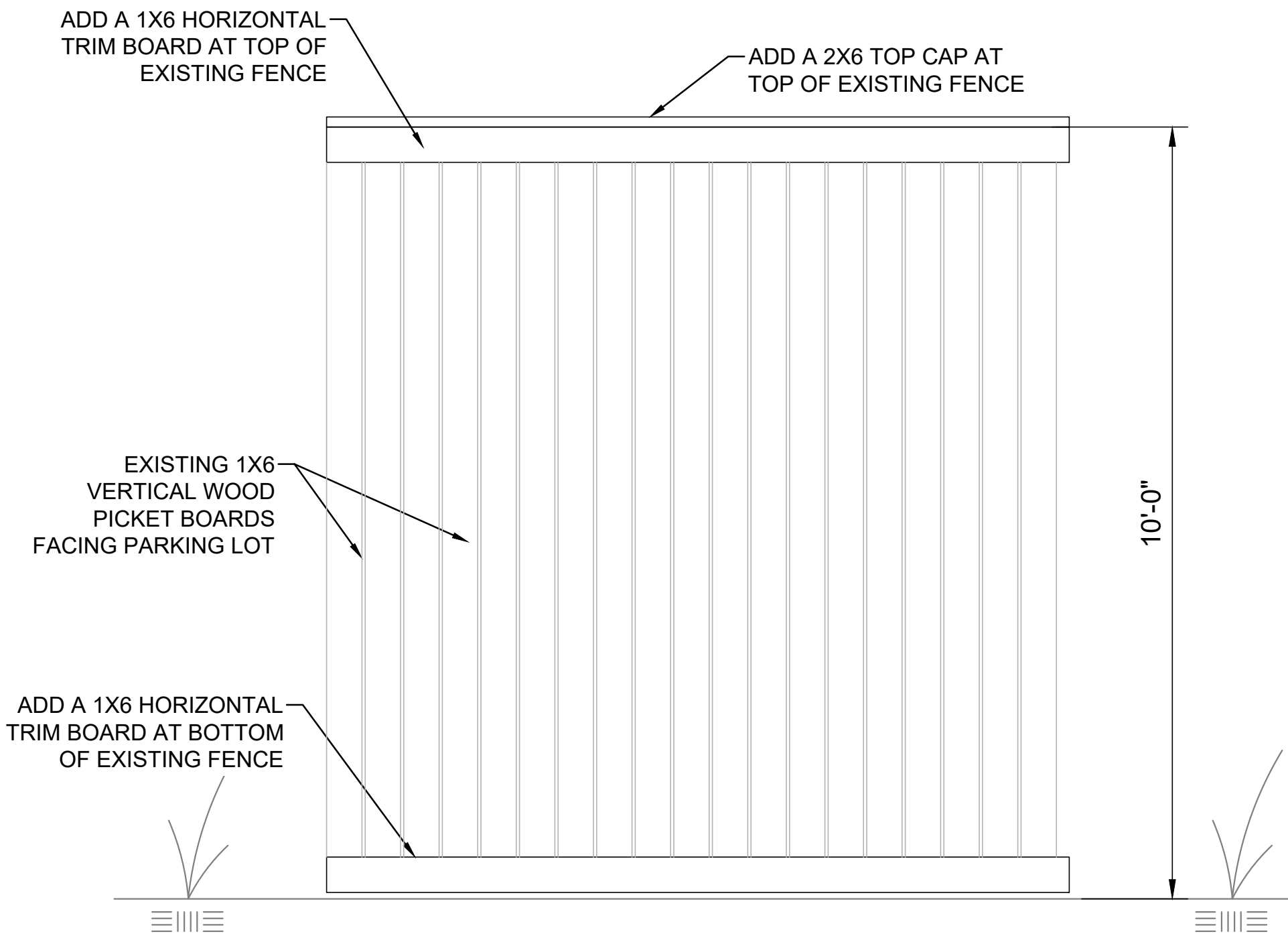
C303

EXISTING WOOD FENCING NOTES:

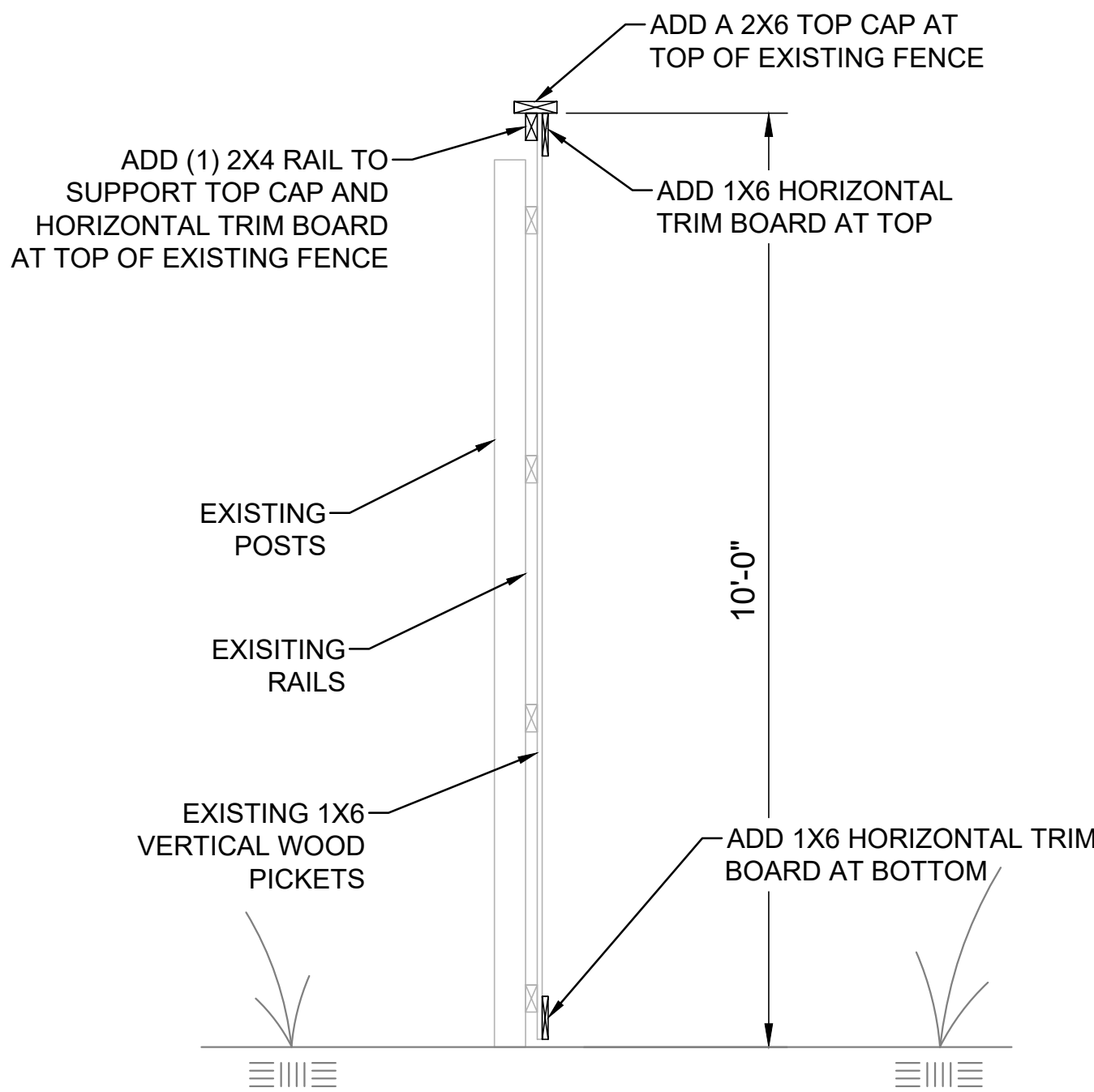
- 1. ALL WOOD TO BE EXTERIOR GRADE PRESSURE TREATED LUMBER.
- 2. CUT THE RAILS SO JOINTS FALL AT THE CENTER OF THE POSTS AND ENDS BUTT TOGETHER TIGHTLY.
- 3. FASTEN THE RAILS TO THE POSTS WITH 2-1/2" EXTERIOR GRADE DECK SCREWS.
- 4. FASTEN THE TRIM BOARDS TO THE VERTICAL PICKETS WITH EXTERIOR GRADE 1-1/4" DECK SCREWS.
- 5. ONLY WHOLE PIECES TO BE USED. NO MID-SPAN JOINTS ALLOWED.
- 6. TOP OF FENCE SHALL BE UNIFORMLY CONSISTENT AND NOT HAVE PEAKS AND VALLEYS.



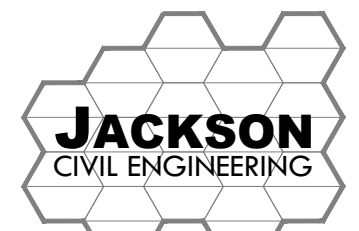
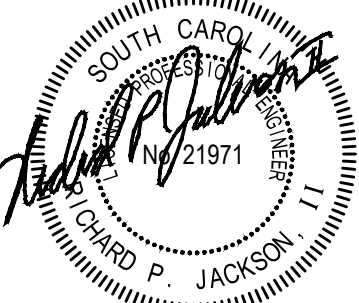
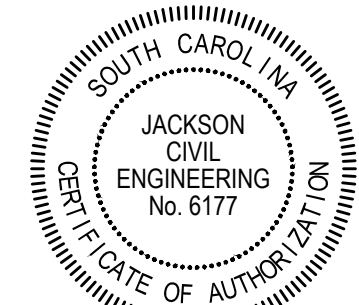
EXISTING WOOD PERIMETER FENCE ADJACENT TO RESTROOM BUILDING  
ELEVATION VIEW



FRONTSIDE (PARKING LOT SIDE) - ELEVATION VIEW



SECTION VIEW



221 Powell Drive  
Lexington, SC 29072

ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202

Date					
Description					
No					

CONSTR DOCS

DRAWN BY: RPJ

CHECKED BY: JCE

PROJECT NO: 2335






DATE: NOV 2, 2023

SHEET TITLE:

SITE DETAILS  
EXISTING 10FT  
WOOD FENCE

SHEET NO:

C304


ELECTRICAL SYMBOLS	
	GFCI RECEPTACLE, MOUNTING HEIGHTS AS ABOVE, "WP" DENOTES WEATHER-RESISTANT RECEPTACLE [2014 NEC, SECTION 406.9(A)] WITH WEATHERPROOF COVER PLATE, SEE SPECIFICATIONS.
	110A, 30-CIRCUIT, 120/208V, 3PH, 4W LOAD CENTER WITH NEMA 3R ENCLOSURE, 100A MCB, (27) 20A/1P BREAKERS, ENGRAVED NAMEPLATE, LAMINATED SCHEDULE (MCB MAY BE BRANCH MTD).
	BRANCH CIRCUIT WIRING RUN CONCEALED IN WALLS OR CEILING, 1#12G, 2#12 UNLESS NOTED OTHERWISE. ARROW DENOTES HOME RUN AND NUMERAL DENOTES CIRCUIT NUMBER. WHERE MORE THAN TWO CONDUCTORS ARE REQUIRED, SLASH MARKS INDICATE NUMBER OF #12 CONDUCTORS: ---//--- SHORT SLASH DENOTES HOT OR SWITCH LEG, ---//--- LONG SLASH DENOTES NEUTRAL, ---//L--- "L" DENOTES GROUNDING WIRE
	MULTIWIRE BRANCH CIRCUITS USING A SHARED OR COMMON NEUTRAL ARE NOT PERMITTED ON THIS PROJECT. THE CONTRACTOR SHALL PULL A SEPARATE NEUTRAL FOR ALL 120V AND 277V CIRCUITS CONDUIT HOMERUNS TO PANELBOARDS SHALL BE 3/4" MINIMUM, OTHERWISE RACEWAYS SHALL BE 1/2" MINIMUM, EXCEPT THAT FLEXIBLE CONDUIT SHALL BE 3/8" MINIMUM.
	SAME, EXCEPT RUN BELOW GRADE.

SCOPE OF WORK	
THE WORK OF THIS SECTION SHALL PROVIDE COMPLETE ELECTRICAL SYSTEMS WHICH SHALL INCLUDE THE PROVIDING OF ALL CONDUCTORS, RACEWAYS, FITTINGS, CIRCUIT PROTECTIVE DEVICES, LIGHT FIXTURES, BOXES, SUPPORTS, AND ALL ASSOCIATED APPURTENANCES AND MISCELLANEOUS EQUIPMENT NECESSARY, ALL OF WHICH SHALL BE COMPLETELY CONNECTED, TESTED, ADJUSTED AND LEFT IN PROPER OPERATING CONDITION. THE ELECTRICAL SYSTEM TO BE PROVIDED SHALL INCLUDE SERVICE AND DISTRIBUTION FACILITIES POWER FOR MOTOR OPERATED EQUIPMENT, LIGHTING SYSTEMS, AND ALL OUTLETS AS COVERED HEREINAFTER.	
GENERAL NOTES:	
1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH 2020 NATIONAL ELECTRICAL CODE (NEC), THE 2021 INTERNATIONAL BUILDING CODE (IBC), AND ANY LOCAL CODES, LAWS AND ORDINANCES WHICH MAY APPLY. WHERE DIFFERENCES EXIST BETWEEN THE CODES, THE STRICTER CODE SHALL APPLY. 2. ALL CONDUITS SHALL CONTAIN A GROUNDING CONDUCTOR REGARDLESS OF USE. 3. MULTIWIRE BRANCH CIRCUITS USING A SHARED OR COMMON NEUTRAL ARE NOT PERMITTED ON THIS PROJECT. PULL A SEPARATE NEUTRAL FOR ALL 120V CIRCUITS. 4. ALL RECEPTACLES SHALL BE BY THE SAME MANUFACTURER. COVER PLATES SHALL BE SHALLOW IN-USE STYLE, OUTDOOR RATED. 5. CONDUITS SHALL BE 3/4" MINIMUM. 6. ALL WORK AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE. 7. PROVIDE ONE COMPLETE SET OF ELECTRICAL DRAWINGS MARKED UP FOR RECORD DRAWINGS. SHOW ALL LOCATIONS OF EQUIPMENT AND MATERIALS. 8. INSTALL ALL MATERIALS PER MANUFACTURER'S INSTRUCTIONS. 9. IDENTIFY MAJOR EQUIPMENT INSTALLED WITH LAMICOR LABELS. PROVIDE FLASH HAZARD SIGN AT ALL ELECTRICAL PANELS. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION OF AND TYPE OF LOAD BEING SERVED FOR ALL CIRCUITS. 10. VISIT SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO SUBMITTED BID. 11. PRIOR TO DIGGING ANY TRENCHES, NOTIFY ALL UTILITIES AND OBTAIN LOCATIONS OF UNDERGROUND UTILITIES. ANY DAMAGES DONE TO UNDERGROUND UTILITIES OR PIPING BY THIS CONTRACTOR WILL BE REPAIRED BY THE OWNER OF THE LINE IN A SATISFACTORY MANNER. THIS CONTRACTOR WILL BEAR ALL COSTS FOR REPAIRS. 12. CONDUITS TO BE RUN UNDER WALKWAYS AND PAVING SHALL BE INSTALLED BY JACKING OR BORING, UNLESS NOTED. DO NOT CUT WALKWAYS OR PAVEMENTS, UNLESS ACCEPTABLE TO THE ENGINEER. ALLOWED CUTS IN PAVEMENT OR CONCRETE SHALL BE MADE USING A PAVEMENT SAW, AND SHALL BE PATCHED TO MATCH THE EXISTING SURFACE.	

ELECTRICAL SUBMITTALS	
ELECTRICAL SHOP DRAWINGS SHALL BE SUBMITTED IN ONE COMPLETE PACKAGE CONTAINING ALL ITEMS REQUIRED BY THE ELECTRICAL DRAWINGS AND THE DIVISION 26-28 SPECIFICATIONS. PARTIAL SHOP DRAWING SUBMITTALS MAY BE REJECTED BY THE ARCHITECT-ENGINEER. REFER TO SECTION 280510 OF THE ELECTRICAL SPECIFICATIONS FOR REQUIRED SUBMITTAL FORMAT AND FOR ADDITIONAL REQUIREMENTS.	

PANEL SCHEDULES	
PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY FOR EACH PANEL IDENTIFYING LOAD SERVED, ROOM LOCATION, AND ROOM NUMBER. IDENTIFY SPARES IN PENCIL. PANELBOARD SCHEDULES MUST COMPLY WITH NEC 408.4, INCLUDING LISTING ROOM DESCRIPTION AND ROOM NUMBER FOR EACH LOAD. TURN ALL SPARE BREAKERS OFF. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL ROOM NAMES AND ROOM NUMBERS WITH THE ARCHITECT AND THE OWNER PRIOR TO CREATING FINAL PANEL SCHEDULES.	

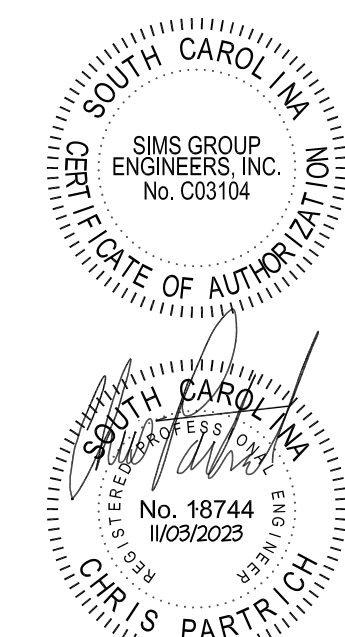
ABBREVIATIONS			
A	AMPERES	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
AFG	ABOVE FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAUGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AHJ	AUTHORITY HAVING JURISDICTION	NIC	NOT IN CONTRACT
CKT	CIRCUIT	PH,Ø	PHASE
CU	COPPER	REC	RECEPTACLE
EC	EMPTY CONDUIT	RE:	REFER TO
EQPT	EQUIPMENT	TYP	TYPICAL
EXIST	EXISTING	UNO	UNLESS NOTED OTHERWISE
GFI	GROUND FAULT INTERRUPTER	V	VOLTS
KVA	KILOVOLTAMPERES	W	WIRE OR WATTS
KW	KILOWATTS	WP	WEATHERPROOF
LTG	LIGHTING		

LIGHTING FIXTURE SCHEDULE						
TYPE	SYMBOL	LAMP	DESCRIPTION	MODEL	WATTS	VOLTS
PT-15		(1) LED	POST-TOP LED LUMINAIRE WITH DIE-CAST ALUMINUM HOUSING, UNIFORM TYPE V DISTRIBUTION, CLASS 1 DRIVER WITH 10KV SURGE PROTECTION, INTEGRAL BUTTON PHOTOCCELL, AND THE FOLLOWING MINIMUM CRITERIA: 9,300 LUMEN OUTPUT, 105PW, 4000K, 95% LUMEN MAINTENANCE AT 50,000 HOURS (25° C), 5 YEAR WARRANTY, IP65 RATING, MOUNTED 15' AFG ON SQUARE WOOD POLE.	STERNBERG LIGHTING SOLANA PT-SL660-24L-40-T5-MDL014-FG-PEC-FHD-UBT ON ARV-55-16-S-PCC-DB-3-SWXXX-SGFIUC*-BKT *RECEPTACLE ONLY REQUIRED WHERE INDICATED ON DRAWINGS	88	MULTIPLE
				FIXTURE AND POLE TO MATCH EXISTING.		

ELECTRICAL SHEET LIST

E001 - ELECTRICAL SYMBOLS & NOTES

E002 - ELECTRICAL SITE PLAN



ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202

Description		Date
No	Δ	Δ
	Δ	Δ
	Δ	Δ
	Δ	Δ
	Δ	Δ

DRAWN BY:	JWB
CHECKED BY:	CLP
PROJECT NO:	2335
DATE:	SEP 17, 2023
SHEET TITLE:	

ELECTRICAL  
SYMBOLS & NOTES

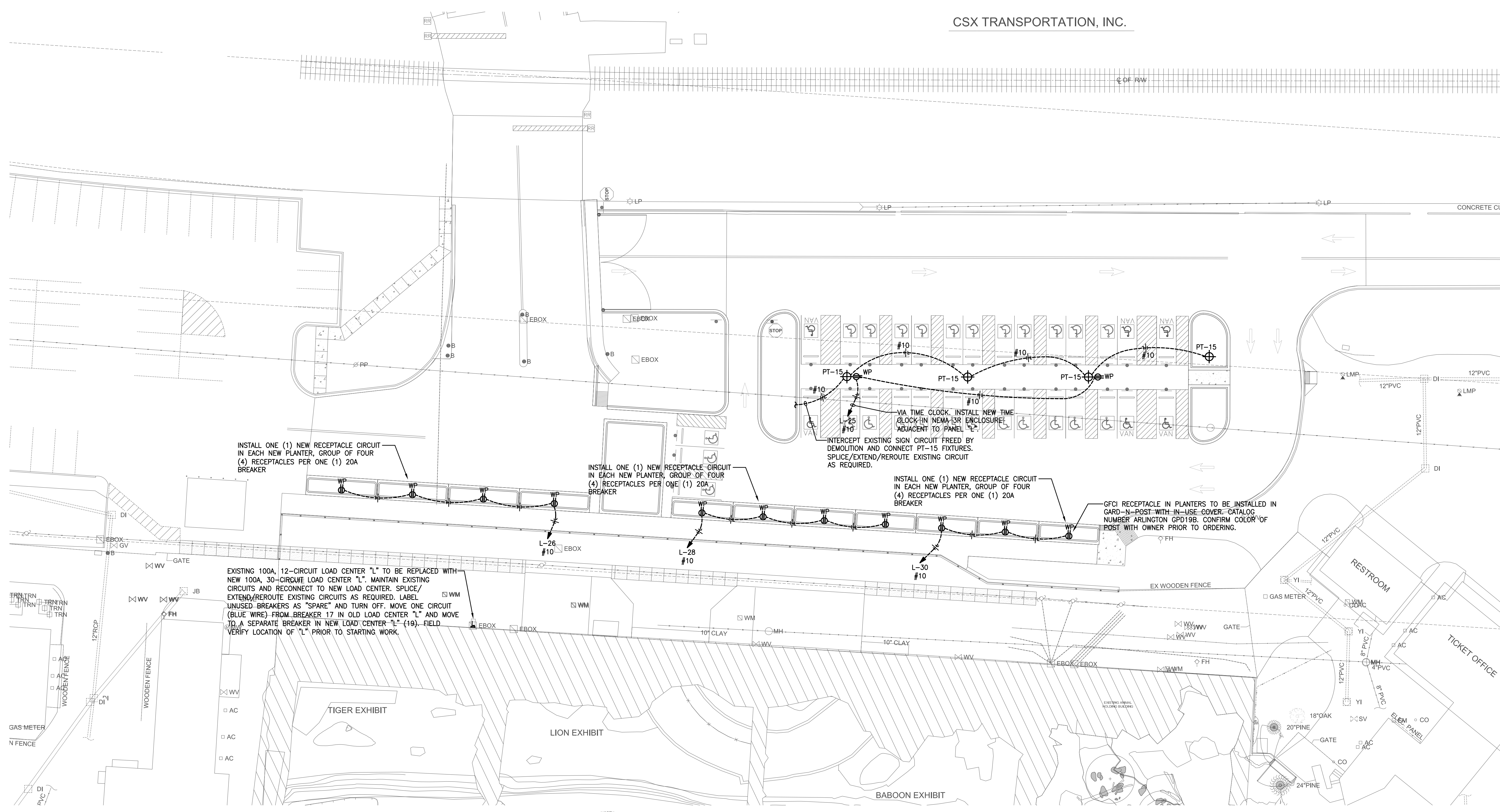
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C23068



SIMS GROUP ENGINEERS, INC.  
800 Columbiana Drive, Suite 208  
Irmo, South Carolina 29063  
Phone: (803) 765-1007 Fax: (803) 765-1030  
www.simsgrrouponusa.com

SHEET NO:  
E001



CSX TRANSPORTATION, INC.

**1 PARTIAL ELECTRICAL SITE PLAN**  
SCALE: 1"=20'-0"

SOUTH CAROLINA  
SIMS GROUP  
ENGINEERS, INC.  
No. C03104

SOUTH CAROLINA  
No. 18744  
11/03/2023  
CHRIS PARTSCH

JACKSON  
CIVIL ENGINEERING

221 Powell Drive  
Lexington, SC 29072

ADA PARKING LOT  
RIVERBANKS ZOO & GARDEN  
500 WILDLIFE PARKWAY  
COLUMBIA, SC 29202

No	Description	Date
1		
2		
3		
4		
5		

DRAWN BY: JWB  
CHECKED BY: CLP  
PROJECT NO: 2335  
DATE: SEP 17, 2023  
SHEET TITLE:

PARTIAL ELECTRICAL  
SITE PLAN

---C23068

sims group

SIMS GROUP ENGINEERS, INC.  
800 Columbiana Drive, Suite 208  
Irmo, South Carolina 29063  
Phone: (803) 765-1007 Fax: (803) 765-1030  
www.simgroupusa.com

SHEET NO:

E002