



**Purchasing Department
113 Mable T. Willis Blvd.
Walterboro, SC 29488
843.782.0504**

**RFQ: RC-15
DESIGN-BUILD SERVICES for the
FREEDOM FIELD and PICKLEBALL COURTS**

Due: Wednesday, April 24, 2024 @ 10:00 am

MAIL OR DELIVER RESPONSE TO:

**Capital Projects
Attn: John Stieglitz
403 E. Washington Street, Suite D
Walterboro, SC 29488**

Questions regarding this solicitation must be emailed to John Stieglitz, Capital Projects, at jstieglitz@colletoncounty.org no later than 11:00 am on Tuesday, April 16, 2024.

Table of Contents

A. OVERVIEW.....	3
B. METHOD OF PROCUREMENT	3
C. GENERAL SCOPE OF SERVICES	3
D. SUBMITTAL FORMAT	4
E. SELECTION PROCESS.....	5
F. SELECTION CRITERIA	5
G. INSTRUCTIONS TO GENERAL CONTRACTOR	6
H. GENERAL CONTRACTUAL REQUIREMENTS.....	7
I. REQUIRED FORMS	11
J. EXHIBITS.....	22

A. OVERVIEW

Colleton County, South Carolina (the "**County**") is seeking qualified, licensed General Contractors to provide architectural/engineering and construction services for the Freedom Field and Pickleball Courts at Colleton County Parks and Recreation Complex, 208 Recreation Lane in Walterboro. These services may include, but are not limited to, design/engineering plans, specifications, cost estimates, permitting, and construction.

The qualified company must include all sub-consultants required to provide a complete set of plans, specifications, and construction for the project (unless specified otherwise). The sub-consultants may include, but are not limited to, structural, mechanical, electrical, landscaping, civil, survey, geotechnical services, general contractor, and subcontractor services.

This solicitation does not commit Colleton County to award a contract, pay any costs incurred in preparing the submitted proposals, or procure or contract for the services. Colleton County reserves the right to accept, reject, or cancel, in part or in whole, offers received as a result of this request if it is deemed in the County's best interest to do so.

All documentation associated with this solicitation is on the Colleton County website at: <https://www.colletoncounty.org/bids-proposal-requests>. **Questions regarding this solicitation must be emailed to John Stieglitz, Capital Projects, at jstieglitz@colletoncounty.org no later than 11:00 am on Tuesday, April 16, 2024.** Answers to all questions will be posted on the Colleton County website as addendums to this RFQ.

B. METHOD OF PROCUREMENT

This is a qualifications-based selection. The award will be given to the most responsible, responsive, and highly qualified company ranked by the selection committee. This evaluation and selection process is a competition, not simply a prequalification. The general scope of services is outlined below.

Colleton County intends to award the contract to a single General Contractor. Upon successful negotiation of fees and contract terms, and subject to final approval by Colleton County Council, a contract will be executed for the requested services.

C. GENERAL SCOPE OF SERVICES

Colleton County is seeking architectural/engineering and construction services from a qualified, licensed General Contractor to design/build the new Freedom Field and Pickleball Courts at the Colleton County Parks and Recreation Complex.

Freedom Field: The new construction consists of a ball field and a playground equipped to meet the needs of individuals with disabilities. The ball field site work design, park design layout, and permitting have been completed. Additional needs are specifications, installation requirements, and other items needed to complete the project. The site location will not require Septic, Water Well, or SCDOT Encroachments. Preliminary plans of the project are attached.

Pickleball Courts: The new construction will consist of up to 3 official-size Pickleball courts. The courts shall have the needed sub-base foundation, slabs, court covering, netting, painting of boundary lines, and fencing to accommodate them. The site location will not require Septic, Water Well, or SCDOT Encroachments.

The following items should be addressed when preparing your proposal:

- Site work.
- Especially skilled installers for special needs equipment.
- Especially skilled installers for the top coating of the Pickleball courts
- Electrical-possible court lighting, security lighting. Field power for special equipment.
- As-built drawings. (Digital)
- Plumbing for water fountains.

D. SUBMITTAL FORMAT

Responding General Contractors shall submit **three (3) bound copies**, with one (1) being the original. Responses must be submitted in a sealed envelope/package containing the General Contractor's name, solicitation name, and number.

The RFQ response must be submitted by the date and time listed in this RFQ. The response shall contain no more than twenty-five (25) double-spaced pages, typed on one side only, excluding appendices. The minimum font size shall be 12 points. Responses should address the proposal content requirements in the same order as listed below. The General Contractors may wish to include additional information. If a General Contractor does not submit responses to these items, their submittal may be considered non-responsive and returned without further review/evaluation. General Contractors are advised that Colleton County reserves the right to conduct an independent investigation of any information, including prior experiences, identified in the responses. General Contractors are responsible for effecting delivery by the deadline date and time; late submissions will be rejected without opening. Colleton County accepts no responsibility for misdirected or lost proposals. Responses shall be explained and identified within the twenty-five (25) pages.

The following is included in the 25-page RFQ response:

1. **Letter of Interest:** The Letter of Interest should be no longer than one (1) page and shall contain the following items:
 - a. An expression of the General Contractor's interest in being selected for the project.
 - b. A statement by the General Contractors listing the commitment of key personnel identified in the submittal to the extent necessary to meet Colleton County's quality and schedule expectations.
 - c. Provide the name of the General Contractors Project Manager responsible for this contract who has the authority to sign the contract for the General Contractors.
 - d. A summary of key points regarding the General Contractor's qualifications.
 - e. Current registration as a licensed General Contractor in South Carolina.
 - f. Signing the letter of interest constitutes authorization of the General Contractor's qualifications for the purpose of negotiating and entering a contract with Colleton County.
 - g. Certification of the authorized submitter that information contained within is correct by including: "I certify that the information included within this document is, to the best of my knowledge, correct as of the date indicated."
2. **Project Organization Chart:** Limited to one (1) side of one sheet of paper. This chart must include the names of the key individuals selected for this project, their roles on the project, the names of the Company by which they are employed, and the lines of communication, to include functional structure, levels of management, and reporting relationships for key Individuals, and major

functions to be performed in managing and designing the project. It shall also indicate the people who will be points of contact with Colleton County's Project Manager.

3. **Qualifications for key individuals:** List all licenses and certifications for each individual. Also, provide current registration as a Professional Architectural and/or Engineering General Contractor and licensed General Contractor in South Carolina.
4. **Project Approach:** Outline the General Contractor's approach and schedule for completing the specifications.
5. **Specific Qualifications:** Project experience directly applicable to Colleton County's architectural and/or engineering and General Contractor construction needs that demonstrate a particular knowledge in and around the Lowcountry Region (Beaufort, Colleton, Hampton, and Jasper Counties). Those projects that relate specifically to the area and are the most current will carry the greatest weight. Project outlines should not exceed one page. Each project should include:
 - a. A brief description of the project work completed (including photos if available)
 - b. Project location
 - c. List the client's budget and General Contractors cost of the project
 - d. Client, client reference, and contact information

REQUIRED FORMS

Please include all required forms at the end of the submitted proposal, as specified in the last section of this RFQ.

6. **Project Questions:** Responses to the questions below are required to be included in the response for the RFQ not to exceed 10 pages.

E. SELECTION PROCESS

The Colleton County selection committee will evaluate each proposal based on the stated selection criteria. The selection committee may select all, some, or none of the General Contractors for interviews. The final ranking of General Contractors and recommendation of the award will be presented to the Colleton County Council for final approval.

Colleton County reserves the right to reject any or all qualifications and to waive defects, technicalities, and/or irregularities in any submittal. The County reserves the right to finalize a contract based on all factors involved in the written qualifications submitted without further discussion or interviews.

F. SELECTION CRITERIA

The relative point value and selection criteria follow:

25%	Overall experience of the General Contractor
25%	Ability, qualification, and experience of project team
25%	Related experience on similar projects
25%	Ability to provide services requested

* Note: In each criterion above where special experience is evaluated, each project listed should include the client's name, the specific role of the team member for the General Contractors, and a point of contact for the client with a telephone number and email address.

G. INSTRUCTIONS TO GENERAL CONTRACTOR

1. **ADDITIONAL INFORMATION:** Colleton County reserves the right to request or obtain additional information about any and all responses to the RFQ.
2. **AMENDMENT:** Any amendment will be posted on the Colleton County website in the form of an addendum. The RFQ may be amended at any time prior to the RFQ response submittal date. All actual or prospective General Contractors should monitor Colleton County's website for issuance of addendums. General Contractors shall acknowledge receipt of any addendum to this RFQ by signing and returning the attached Addendum Acknowledgement form. If this RFQ is amended, all terms and conditions that are not modified remain unchanged. It is the General Contractor's responsibility to check the website regularly for updates and modifications.
3. **AUDITS:** Prior to contract award, Colleton County may conduct an Audit of the selected General Contractors. This audit will ensure that the selected General Contractors are financially capable of performing the contract and have adequate accounting practices to ensure accurate tracking of contract costs.
4. **AUTHORIZATION TO BEGIN WORK:** No work shall commence until after contract execution and issuance of a Notice to Proceed (NTP). Violations of NTP may result in non-payment of work performed or termination of an impending contract. The General Contractors billing shall not date prior to contract and/or modification of execution date.
5. **AWARD:** The selected General Contractor will be posted on Colleton County's website.
6. **CLARIFICATIONS:** Colleton County, at its sole discretion, shall have the right to seek clarifications from any General Contractors to fully understand the information in their responses to the RFQ.
7. **COMMUNICATION:** Effective the date of the advertisement of this contract, no further contact is allowed with any Colleton County personnel concerning this RFQ except for questions of an administrative or contractual nature that shall be submitted in writing to the attention of one of the Contract Officers. This restriction is in effect until the selection has been announced. The employees of the proposing General Contractors may not contact any Colleton County staff, including members of the Selection Committee, other than one of the Contract Officers, to obtain information on the RFQ. Such contact may result in disqualification.
8. **RESPONSE PERIOD:** All responses shall be good for a minimum of 90 calendar days.
9. **DEVIATIONS FROM SPECIFICATIONS:** Any deviation from specifications indicated herein must be pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and the successful General Contractor will be held responsible, therefore. Deviations must be explained in detail on a separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Unidentified deviations found during the evaluation of the response may be cause for rejection.

10. DEBARMENT: By submitting a qualification package, the General Contractors are certifying that they are not currently debarred from responding to any request for proposals by any agency or subdivision of the State of South Carolina, nor are they agents of any person or entity currently debarred from submitting proposals on contracts by any agency or subdivision of the State of South Carolina.
11. HOLD HARMLESS: All respondents to this RFQ shall indemnify and hold harmless Colleton County Government and any of their officers and employees from all suits and claims alleged to be a result of this RFQ. The issuance of this RFQ constitutes only an invitation to present a proposal. Colleton County reserves the right to determine, at its sole discretion, whether any aspect of a respondent's submittal meets the criteria in this RFQ. Colleton County also reserves the right to seek clarifications, to negotiate with any General Contractors submitting a response, to reject any or all responses with or without cause, and to modify the procurement process and schedule.
12. CANCELLATION: If this RFQ is withdrawn or the project canceled for any reason, Colleton County shall have no liability to any respondent for any costs or expenses incurred in connection with this RFQ or otherwise.
13. COLLETON COUNTY PURCHASING ORDINANCE: The RFQ is subject to the provisions of the Colleton County Purchasing Ordinance and any revisions thereto, which are hereby incorporated into this RFQ in their entirety except as amended or superseded within. This ordinance can be found at https://www.municode.com/library/sc/colletoncounty/codes/code_of_ordinances under Title 3 - Revenue and Finance.
14. FAILURE TO SUBMIT ALL MANDATORY FORMS: Failure to submit all the mandatory forms from this request of proposals shall be cause for rejecting the qualification package. However, Colleton County reserves the right to decide, on a case-by-case basis, whether or not to reject such a proposal as non-responsive.
15. CONTRACT AWARD:
 - a. This solicitation and submitted documents, when properly accepted by Colleton County, shall constitute an agreement equally binding between the successful General Contractors and the County.

No oral statement of any person shall modify or otherwise change or affect the terms, conditions, or specifications stated in the resulting agreement. The County shall not be legally bound by any amendment or interpretation not fully executed by both parties in writing.
 - b. The successful General Contractor shall be required to execute a formal agreement with the County's Procurement Office within ten (10) business days after issuance of the Notice of Award.
16. CONTRACT ADMINISTRATION: Questions or problems arising after the award of an agreement shall be directed to the Procurement Manager via email to ksyfrett@colletoncounty.org. Copies of all correspondence concerning this solicitation or resulting agreement shall be sent to the Procurement Office, 113 Mable T. Willis Blvd, Walterboro, SC 29488.

H. GENERAL CONTRACTUAL REQUIREMENTS

1. **ABANDONMENT OR DELAY:** If the work to be done under this contract shall be abandoned or delayed by the General Contractors, or if at any time the County shall believe and shall so certify in writing that work has been abandoned or delayed by the General Contractors, the County may annul the contract or any part thereof if the General Contractor fails to resolve the matter within thirty (30) days of written notice.
2. **GENERAL CONTRACTORS' COOPERATION:** The General Contractor shall communicate regularly with the Project Manager and actively cooperate in all matters related to this contract.
3. **RESPONSIBILITY:** The General Contractor shall always observe and comply with all federal, state, local, and municipal laws, ordinances, rules, and regulations in any manner affecting the contract.
4. **NON-APPROPRIATION/SUBSTITUTION PERMITTED:** If the Colleton County Council 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 agreement, reduces the funds appropriated or authorized in such amounts as to preclude making the payments set out therein, the agreement shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to County. Following any such non-appropriation, the master lease agreement shall contain no limitation on the County's ability to replace the equipment financed with any other equipment.
5. **INDEMNIFICATION:** Except for expenses or liabilities arising from the negligence of the County, the General Contractor hereby expressly agrees to indemnify and hold the County harmless against all expenses and liabilities arising out of the performance or default of any resulting agreement or arising from or related to the Work as follows:

The General Contractor expressly agrees to the extent that there is a causal relationship between its negligence, action or inaction, or the negligence, action or inaction of any of its employees or any person, General Contractors, or corporation directly or indirectly employed by the General Contractor, and any damage, liability, injury, loss or expense (whether in connection with bodily injury or death or property damage or loss) that is suffered by the County and its employees or by any member of the public, to indemnify and save the County and its employees harmless against all liabilities, penalties, demands, claims, lawsuits, losses, damages, costs, and expenses arising out of the performance or default of any resulting agreement or arising from or related to the equipment. Such costs include defense, settlement, and reasonable attorneys' fees incurred by the County and its employees. This promise to indemnify shall include bodily injuries or death occurring to General Contractors employees and any person, directly or indirectly employed by General Contractor (including without limitation any employee of any subcontractor), the County's employees, the employees of any other independent contractor, or occurring to any member of the public. When the County submits notice, the General Contractors shall promptly defend any aforementioned action.

The prescribed insurance limits set forth herein shall not limit the extent of the General Contractor's responsibility under this Section. The terms and conditions in this Section shall survive the termination of any resulting agreement or the suspension of the Work hereunder. Additionally, the County will not provide indemnity to the successful General Contractors. Failure to comply with this section may result in your request for proposal to be deemed non-responsive.

6. **FORCE MAJEURE:** The General Contractor shall not be liable for any excess costs if the failure to perform the resulting agreement arises out of causes beyond the control and without fault or negligence of the General Contractors. Such causes may include but are not restricted to acts of

God or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case, the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by default of a subcontractor, and if such default arises out of causes beyond the control of both the General Contractors and subcontractor and without excess costs for failure to perform unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the contractor to meet the required delivery schedule.

7. **ARBITRATION:** Under no circumstances and with no exception will Colleton County act as arbitrator between the General Contractor and any sub-contractor.
8. **PUBLICITY RELEASES:** The General Contractor agrees not to refer to the 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 County. The General Contractor shall not have the right to include the County's name in its published list of customers without prior approval of the County Administrator. Concerning news releases, only the name of the County, type, and duration of any resulting agreement may be used and then only with prior approval of the County. The General Contractor also agrees not to publish or cite in any form any comments or quotes from the County's staff unless it is a direct quote from the Procurement Manager.
9. **GOVERNING LAWS:** Any agreement arising from this solicitation shall be governed by the laws of the State of South Carolina. If litigation is necessary, all disputes arising from the said agreement shall be litigated only in a Circuit Court for the Fourteenth Judicial Circuit sitting in Colleton County, South Carolina. The prevailing party shall be entitled to attorney's fees and all costs of said litigation.
10. **ASSIGNMENT:** The General Contractor shall not assign in whole or in part any agreement resulting from this RFQ without the prior written consent of the County. The General Contractor shall not assign any money due or to become due to him under the said agreement without the prior written consent of the County.
11. **AFGENERAL CONTRACTORS ATIVE ACTION:** The successful General Contractor will take action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination because of race, color, religion, sex, national origin, or physical handicap.
12. **FAILURE TO DELIVER GOODS PER TERMS & CONDITIONS:** In case of failure to deliver goods per the contract terms and conditions, Colleton County, after due oral or written notice, may procure substitute goods or services from other sources and hold the contractor responsible for any resulting additional purchasing and administrative costs. This remedy shall be in addition to any other remedies which Colleton County may have.
13. **TERMINATION OF CONTRACT:** Subject to the provisions below, Colleton County may terminate the contract by giving thirty (30) days advance notice in writing to the General Contractors.
 - a. **Termination for Convenience:** If this contract is terminated or canceled upon request and for the County's convenience without the required thirty (30) days advance written notice, the County shall negotiate reasonable termination costs, if applicable.
 - b. **Termination for Cause:** Termination by the County for cause, default, or negligence on the part of the General Contractor shall be excluded from the foregoing provisions; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived, and the default provision in this request for proposals shall apply.

- c. The County shall be obligated to reimburse the General Contractor only for those services rendered before the date of notice of termination, less any liquidation damages that may be assessed for non-performance.

Non-Appropriations Clause: Notwithstanding any other provisions of the contract, if the funds anticipated for the continued fulfillment of this contract are at any time. Not forthcoming, through the failure of the County Government to appropriate funds, discontinuance or material alteration of the program under which funds were provided, the County shall have the right to terminate the contract without penalty by giving not less than thirty (30) days written notice documenting the lack of funding. Unless otherwise agreed to by the County and the General Contractors, the contract shall become null and void on the last day of the fiscal year for which appropriations were received.

14. GOVERNING LAWS: Any contract resulting from this request for proposals shall be governed in all respects by the laws of the State of South Carolina, and any litigation regarding it shall be brought in the courts of the State of South Carolina.
15. BONDS: Payment and Performance Bonds are not required for this RFQ.
16. OWNERSHIP OF MATERIAL: The County shall own all data, material, and documentation originated and prepared for the County under this contract.
17. INSURANCE: Colleton County will require the following to remain in force at all times through the life of the contract:
- Professional Liability Insurance - Minimum \$1,000,000.00 Proof of in-force insurance must be provided in response to the RFQ
 - Errors and Omissions Insurance—A minimum of \$2,000,000.00 Proof of in-force insurance must be provided with each Contract for services.
 - Other insurances:
 - Workers' Compensation - \$100,000 – each accident
 - Statutory Coverage and Employer - \$100,000 for each employee
 - Liability - \$500,000 – policy limit
 - Comprehensive General Liability -
 - \$2,000,000 – bodily injury each occurrence
 - \$1,000,000 – bodily injury aggregate
 - \$1,000,000 – property damage each occurrence
 - \$1,000,000 – property damage aggregate
 - Products-Completed Operations - \$1,000,000 – aggregate.
 - Business Auto Liability – Same as Comprehensive General Liability
 - Excess or Umbrella Liability - \$1,000,000

Colleton County will be named as an "additional insured" party.

I. REQUIRED FORMS:

The following completed forms are required to be returned with each RFQ:

- General Contractor Submittal Form
- Certificate of Non-Collusion
- Certification of Primary Participant Regarding Debarment, Suspension, And Other Responsibility Matters
- Certification of General Contractor
- Disclosure of Potential Conflict of Interest Certification
- Drug-Free Workplace Certification
- Equal Employment Opportunity Certification
- Addendum Acknowledgement

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GENERAL CONTRACTOR SUBMITTAL FORM & QUESTIONS

In compliance with the above RFQ: RC-15, the undersigned hereby proposes to provide professional architectural/engineering and construction services for this Colleton County related project in accordance with the instructions, terms, conditions and requirements incorporated in the Request for Qualifications.

General Contractor: _____

Address: _____

City: _____ State: _____ Zip: _____

Principal's Name and Title (type or print): _____

Principal's Signature: _____

Email (type or print): _____

QUESTIONS:

1. The General Contractor possesses a valid and current South Carolina license for the project or projects for which it intends to submit a proposal.
Circle one: Yes No

2. The General Contractor has an insurance policy or policies with the prescribed limit(s) as specified in this document.
Circle one: Yes No

3. Has your South Carolina General Contractor's license been revoked at any time in the last five years?
Circle one: Yes No

4. Has there been any change in ownership of the General Contractor at any time in the last three years?
Circle one: Yes No

LICENSES

5. List all South Carolina license numbers, classifications, and expiration dates held by your General Contractor and sub-contractors. (Provide a copy of each license)

6. If any of your General Contractor license(s) are held in the name of a corporation or partnership, list below the names of the qualifying individual(s) listed on the SCLLR records who meet(s) the experience and examination requirements for each license.

7. Has your General Contractor changed names or license numbers in the past five years?

Circle one: Yes No

8. Has any owner, partner, qualifying party, or (for corporations) officer of your General Contractor operated an architectural, engineering, or construction General Contractor under any other name in the last five years?

Circle one: Yes No

NOTE: If "Yes," explain on a separate signed page, including the reason for the change. Provide a complete, separate questionnaire for the other General Contractors.

The undersigned, having fully familiarized him/her with the information contained within this entire solicitation and applicable amendments, submits the attached response and other applicable information to the County, which I verify to be true and correct to the best of my knowledge. I further certify that this response is made without prior understanding, agreement, or connection with any corporation, General Contractor, or person submitting a response 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 outlined in this solicitation and certify that I have signature authority to bind the company listed herein.

Name and Title (print)

Authorized Signature

Email Address

Date



RFQ: RC-15
CERTIFICATE OF NON-COLLUSION

By submission of proposal, each person signing on behalf of any consultant certifies, and in the case of a joint proposal, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

- 1) The proposal is submitted without collusion, consultation, communication, or agreement for the purpose of restricting competition with any other bidder or with any competitor;
- 2) No attempt has been made or will be made by the proposer to induce any other person, partnership or corporation to submit or not to submit a proposal for the purpose of restricting competition.

General Contractor

Authorized Official/Title

Signature

Date

SWORN AND SUBSCRIBED before me this _____ day of _____ 2024

My commission expires _____

Notary Public



CERTIFICATION OF PRIMARY & SUB-CONSULTANT PARTICIPANT REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The General Contractor _____ certifies, to the best of its knowledge and belief, that it and its principals:

- 1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- 2) Have not within a three (3) year period preceding this proposal been convicted of or had a civil judgment rendered against them for a commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
- 3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or Local) with a commission of any of the offenses enumerated in paragraph (2) of this certification; and
- 4) Have not had one or more public transactions (federal, state, or local) terminated for cause or default within a three (3) year period preceding this application/proposal.

If the prime General Contractor cannot certify any of the statements in this certification, the General contractor shall attach an explanation to this certification.

The General Contractor _____ certifies the truthfulness and accuracy of the contents of the statements submitted on or with this certification and understands that the provisions of 31 U.S.C. Sections 3801 et seq. are applicable thereto.

Date

Authorized Official/Title

A Registered General Contractors with SAM's Yes No

Cage Code _____

DUN's No. _____



RFQ: RC-15

CERTIFICATION OF GENERAL CONTRACTOR

I hereby certify that I am the duly authorized representative GENERAL CONTRACTOR and that neither I nor the above GENERAL CONTRACTOR I here represent has:

- a) employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any General Contractors or person (other than a bona fide employee working solely for me or the above GENERAL CONTRACTORS) to solicit or secure this contract;
- b) agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any General Contractors or person in connection with carrying out the contract or
- c) paid, or agreed to pay, to any General Contractor, organization, or person (other than a bona fide employee working solely for me or the above GENERAL CONTRACTOR) any fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the contract except as here expressly stated (if any);
- d) either directly or indirectly entered into any agreement, participated in any collusion, or otherwise took any action to restrain free competitive bidding in connection with the submitted proposal.

By execution of this Agreement, GENERAL CONTRACTOR certifies GENERAL CONTRACTORS and all sub-General Contractors, contractors, employees, and agents will comply with South Carolina’s Ethics, Government Accountability, and Campaign Reform Act of 1991, as amended. The following statutes require special attention: (a) Offering, giving, soliciting, or receiving anything of value to influence the action of public employee - §8-13-790, 8-13- 705, 8-13-720; (b) Recovery of kickbacks - §8-13-790, (c) Offering, soliciting, or receiving money for advice or assistance of public official - §8-13-720, (d) Use or disclosure of confidential information - §8-13-725, (e) Persons hired to assist in the preparation of specifications or evaluation of bids - §8-13-1150, (f) Solicitation of state employees - §8-13-755, §8-13-760 and §8-13-725. The state may rescind any contract and recover all amounts expended as a result of any action taken in violation of this provision.

I acknowledge that this certificate is to be furnished to Colleton County, South Carolina, and is subject to applicable State and Federal laws, both criminal and civil.

General Contractor

Authorized Official/Title

Signature



DISCLOSURE OF POTENTIAL CONFLICT OF INTEREST CERTIFICATION

The General Contractor hereby indicates that it has, to the best of its knowledge and belief:

_____ Determined that no potential organizational conflict of interest exists.

_____ Determined a potential organizational conflict of interest as follows:

Attach additional sheets as necessary.

1. Describe the nature of the potential conflict(s):

2. Describe measures proposed to mitigate the potential conflict(s):

General Contractor

Date

Signature/Title

Print Name

If a potential conflict has been identified, please provide the name and phone number of a contact person authorized to discuss this disclosure certification with Department of Transportation contract personnel.

Name

Phone #

Company



RFQ: RC-15
DRUG-FREE WORKPLACE CERTIFICATION

This certification is required by the Drug-free Workplace Act, Section 44-107-10 et seq. South Carolina Code of Laws (1976, as amended). The regulations require certification by Contractors/Vendors prior to award that they will maintain a drug-free workplace as defined below. The certification set out below is a material representation of the facts upon which reliance will be placed when determining the award of a contract. False certification or violation of the certification shall be grounds for suspension of payments, suspension or termination of contract, or suspension or debarment from the right to submit bids or proposals for Colleton County projects.

For purposes of this Certification, “Drug-free Workplace” is defined as set forth in Section 44-107019 (1), South Carolina Code of Laws (1976, as amended). The aforesaid Section defines workplace to include any site where work is performed to carry out the Contractor’s/ Vendor’s duties under the contract. Contractor’s/Vendor’s employees shall be prohibited from engaging in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance in accordance with the requirements of the Drug-free Workplace Act.

By signing this document, the General Contractor hereby certifies that it will provide a drug-free workplace by:

- (1) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the Contractor’s/Vendor’s workplace and specifying the actions that will be taken against employees for violation of the prohibition;
- (2) Establishing a drug-free awareness program to inform employees about:
 - (a) The dangers of drug abuse in the workplace;
 - (b) The Contractor’s/Vendor’s policy of maintaining a drug-free workplace;
 - (c) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (d) The penalties that may be imposed upon employees for drug violations;
- (3) Making it a requirement that each employee to be engaged in the performance of the contract be given a copy of the statement required by paragraph (1) above;
- (4) Notifying the employee in the statement required by paragraph (1) that, as a condition of employment under the contract, the employee will:
 - (a) Abide by the terms of the statement: and
 - (b) Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after the conviction

- (5) Notifying the using agency within ten (10) days after receiving notice under subparagraph (4) (b) from an employee or otherwise receiving actual notice of the conviction;
- (6) Taking one of the following actions within thirty (30) days of receiving notice under subparagraph (4) (b) with respect to any employee who is convicted:
 - (a) Taking appropriate personnel action against the employee, up to and including termination; and
 - (b) Requiring the employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency;
- (7) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (1), (2), (3), (4), (5), and (6) above.

General Contractor: _____

Address: _____

Authorized Representative Name/Title (Print): _____

Signature of Authorized Representative: _____

Witness Name (Print): _____

Signature of Witness: _____



RFQ: RC-15

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

Colleton County requires compliance with State and Federal regulations governing Equal Employment Opportunity, External Equal Opportunities (EO), External On-the-Job Training (OJT), Title VI, and the Americans with Disabilities Act (ADA) programs.

Sub-recipients of federal-aid contracts must include notifications in all solicitations for bids of work or material and agreements subject to Title VI of the Civil Rights Act of 1964 and other nondiscrimination authorities. Sub-recipients, contractors, and subcontractors may not discriminate in their employment practices or the selection and retention of any subcontractor.

By signing this document, the General Contractor hereby certifies their commitment to assuring nondiscrimination in its programs and activities to the effect that no person shall, on the grounds of race, color, national origin, sex, age, disability or income status, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination or retaliation under any federally or non-federally funded program or activity administered by the sub-recipient and/or its contractors.

General Contractor: _____

Address: _____

Authorized Representative Name/Title (Print): _____

Signature of Authorized Representative: _____

Witness Name (Print): _____

Signature of Witness: _____



RFQ: RC-15

ADDENDA ACKNOWLEDGEMENT FORM

The General Contractor has examined and carefully studied the proposal and the following Addenda, receipt of all of which is hereby acknowledged:

<i>Amendment No.</i>	<i>Issue Date</i>

The General Contractor must acknowledge any issued addenda. Proposals that fail to acknowledge the General Contractor's receipt of any addendum will result in the rejection of the proposal if the addendum contained information that substantively changes the Owner's requirements or pricing.

Authorized Representative Name/Title (Print)

Date

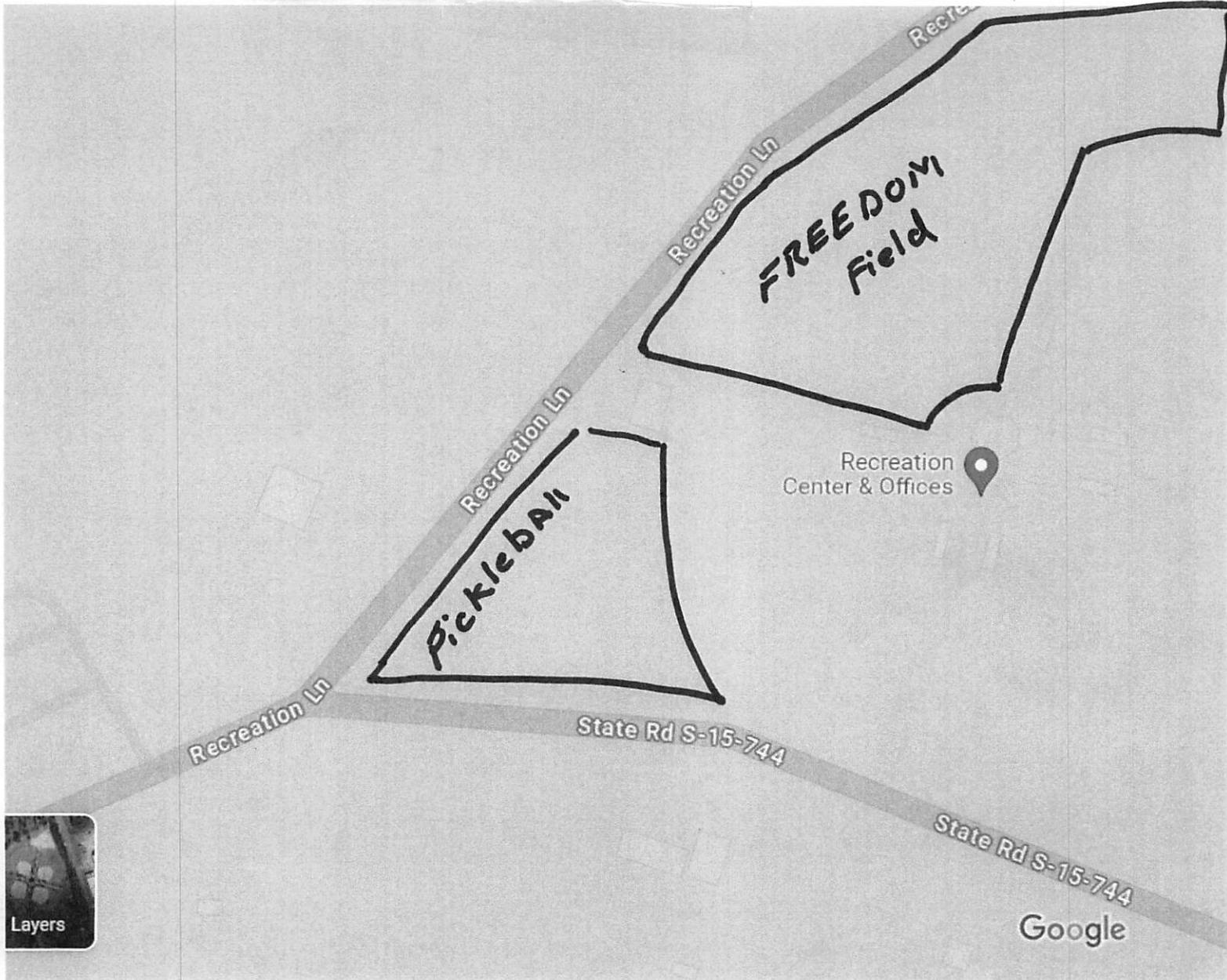
Authorized Representative's Signature

J. EXHIBITS

PARCEL MAP OF SITE & LAYOUT

FREEDOM FIELD SITE PLANS

(See Next Page)





ers

Google



Stantec

Stantec Consulting Services Inc.
 4969 Centre Pointe Drive, Suite 200
 North Charleston, SC 29418
 Tel. 843.740.7700
 www.stantec.com

ACCESSIBLE BALLFIELD AT ACE BASIN SPORTS COMPLEX

Colleton County, SC

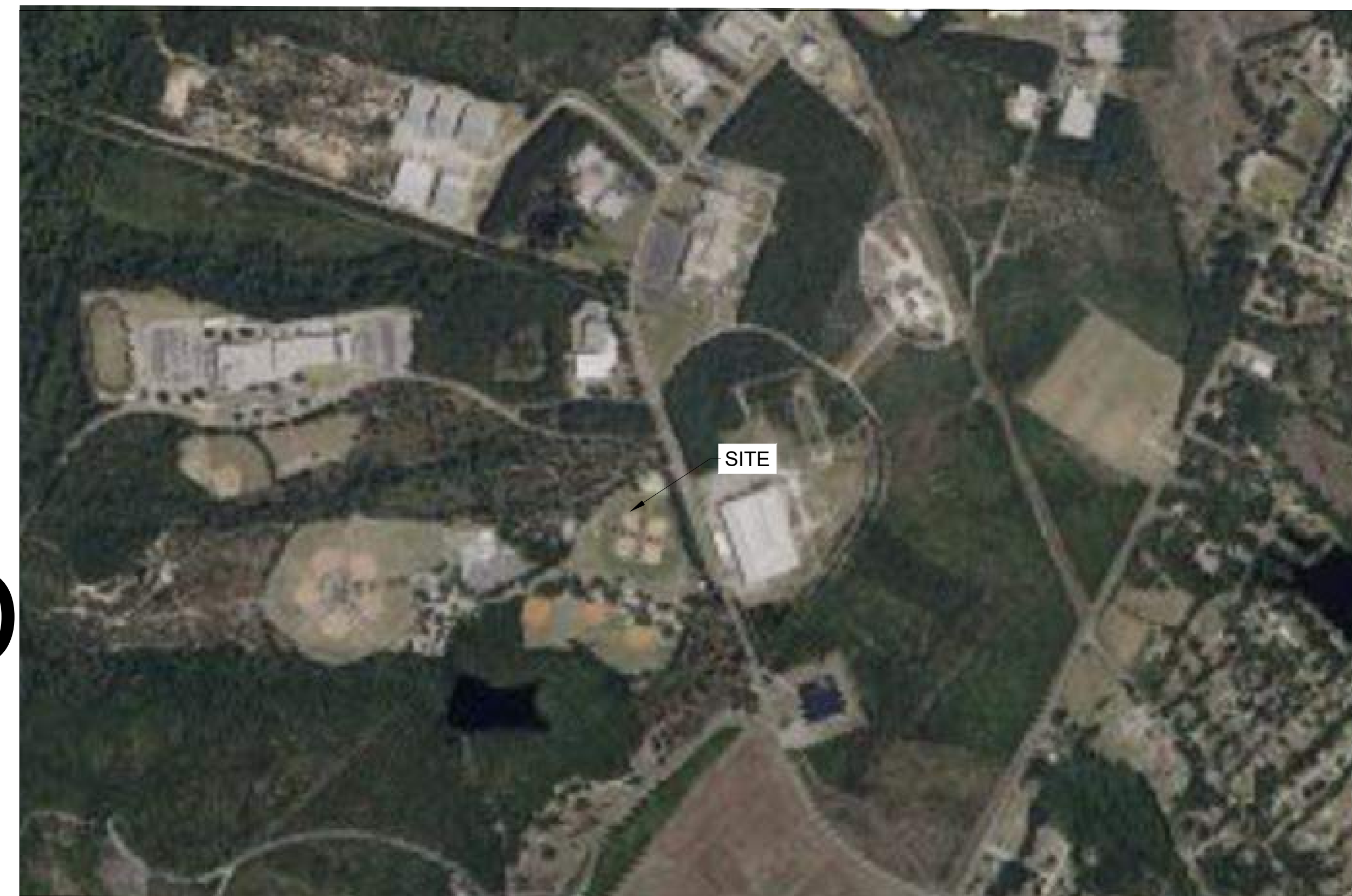
Project Number: 215617641

PERMITTEE: Colleton County Recreation Department
 280 Recreation Lane, Walterboro, SC 29488

Colleton County, SC, TMS# 132-00-00-028
 Project Address: 280 RECREATION LANE, WALTERBORO, SC 29488

Project Description: ACCESSIBLE BASEBALL FIELD

Vertical Datum is NGVD 88



LOCATION MAP
 NOT TO SCALE

Sheet List Table	
Sheet Number	Sheet Title
C000	COVER SHEET
C001	GENERAL NOTES
C100	EXISTING CONDITIONS
C200	DEMO + TREE PROTECTION PLAN
C300	EROSION CONTROL PLAN
C301	EROSION CONTROL DETAILS
C400	SITE PLAN & LAYOUT
C500	SITE PLAN DETAILS
C600	FIELD CONCRETE JOINT PLAN
C700	GRADING AND DRAINAGE PLAN
C701	GRADING AND DRAINAGE DETAILS
L100	LANDSCAPE KEY PLAN
L101	LANDSCAPE LAYOUT PLAN
L200	PLANTING PLAN
L201	LANDSCAPE DETAILS
L300	LANDSCAPE CONSTRUCTION DETAILS
L301	LANDSCAPE CONSTRUCTION DETAILS
L302	LANDSCAPE CONSTRUCTION DETAILS



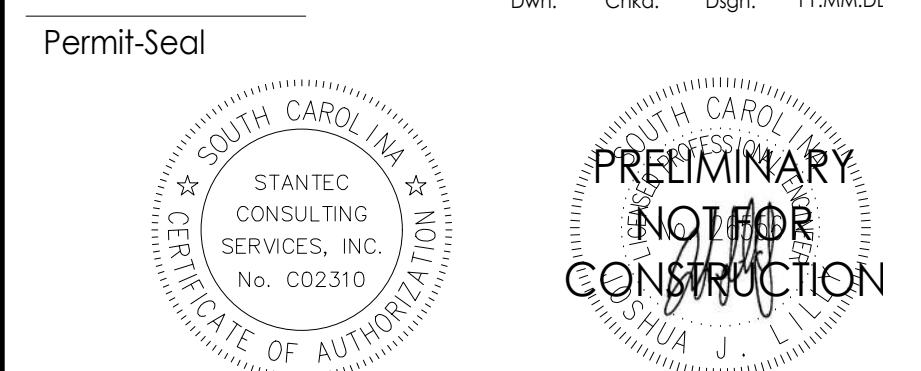
4969 Centre Pointe Dr, Suite 200
 North Charleston, SC 29418
 843-740-7700

Legend

Notes

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MV/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26
Issued	By	Appd.	YY.MM.DD

File Name: _____ Dwn. Chkd. Dgn. YY.MM.DD



Client/Project
 COLLETON COUNTY
 ACCESSIBLE BALLFIELD
 AT ACE BASIN SPORTS COMPLEX
 COLLETON COUNTY, SC

Title
 COVER SHEET

Project No. 215617641 Scale

Drawing No. C000 Sheet 1 of 18 Revision 0



GENERAL NOTES:

- OWNER:** COLLETON COUNTY PARK AND REC
CONTACT: MR. HOBE ORTON
280 RECREATION LANE, WALTERBORO, SC 29488
TEL: (843) 538-3031
- ENGINEER:** STANTEC CONSULTING SERVICES, INC
JOSHUA LILLY, P.E.
4869 CENTRE POINTE DR, SUITE 200
NORTH CHARLESTON, SC 29418
TEL: (843) 740-7700
- ELEVATIONS ARE BASED ON EXISTING CONTROL POINTS AS NOTED ON THE TOPOGRAPHIC SURVEY BY HOWELL GEOSPATIAL SURVEYING.
- TOPOGRAPHIC INFORMATION BASED ON TOPOGRAPHIC SURVEY BY PARKER LAND SURVEYING, RECEIVED MARCH 2023.
- CONTRACTOR IS TO VERIFY ALL INFORMATION CONTAINED HEREIN PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OR OWNER OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.
- CONTRACTOR TO COORDINATE WITH OWNER AND ENSURE ALL APPLICABLE CONSTRUCTION AND LAND DISTURBANCE PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING ANY WORK.

SAFETY:

- DURING THE CONSTRUCTION AND MAINTENANCE OF THE THIS PROJECT, ALL SAFETY REGULATIONS SHALL BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS PERSONNEL.
- THE CONTRACTOR'S MAINTENANCE OF TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE SCDOT AND APPLICABLE LOCAL AGENCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION WITHIN STATE RIGHT OF WAYS.
- LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN HIS OWN SAFETY EQUIPMENT IN ACCORDANCE WITH HIS HEALTH AND SAFETY PROGRAM AND ALL OTHER APPLICABLE LEGAL AND HEALTH AND SAFETY REQUIREMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING ITS EMPLOYEES AND SUB CONTRACTORS WITH ADEQUATE INFORMATION AND TRAINING TO ENSURE THAT ALL EMPLOYEES AND SUB CONTRACTORS AND SUB CONTRACTOR'S EMPLOYEES COMPLY WITH ALL APPLICABLE REQUIREMENTS. CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH ALL OCCUPATION SAFETY AND HEALTH REGULATIONS AS WELL AS THE ENVIRONMENTAL PROTECTION LAWS. THE FOLLOWING IS NOT TO BE PERCEIVED AS THE ENTIRE SAFETY PROGRAM BUT JUST BASIC REQUIREMENTS.
- ALL EXCAVATIONS BY THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF LABOR'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION RULES AN REGULATIONS. PARTICULAR ATTENTION MUST BE PAID TO THE CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, SUBPART P.
- THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) BE FOLLOWED IN THE DESIGN APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS.
- ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE US DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION, ALL SOUTH CAROLINA AMENDMENTS SHALL APPLY.
- IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATION. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATION.
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE UTILITY COMPANIES PRIOR TO CONSTRUCTION TO OBTAIN FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR CALLED FOR IN THIS CONTRACT.

CLEARING AND DEMOLITION:

- THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE SEEDED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL IMMEDIATELY FOLLOWING CONSTRUCTION.
- THE TOP 6" OF GROUND REMOVED DURING CLEARING AND GRUBBING SHALL BE STOCKPILED AT A SITE DESIGNATED BY THE OWNER OR THE OWNER'S ENGINEER TO BE USED FOR LANDSCAPING PURPOSES, UNLESS OTHERWISE DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER. THE REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE IF REQUIRED, PROVIDED THAT THE MATERIAL IS DEEMED SUITABLE FOR CONSTRUCTION BY THE OWNER'S SOILS TESTING COMPANY. EXCESS MATERIAL IS TO BE EITHER STOCKPILED ON THE SITE AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER, OR REMOVED FROM THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING EXCESS EARTHWORK FROM THE SITE.
- ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS OR AS DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER.

PAVING AND GRADING:

- ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAR, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER, THE OWNER'S ENGINEER, OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER. EXCAVATED AREAS TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
- ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE OWNER'S SOIL TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS OR THE REFERENCED SOILS REPORT.
- PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL GRADING, ROCKING AND PAVING TO CONFORM TO SCDOT STANDARD SPECIFICATIONS, LATEST EDITION.
- CLEAR AND GRUB WITHIN WORK LIMITS ALL SURFACE VEGETATION, TREES, STUMPS, BRUSH, ROOTS, ETC. DO NOT DAMAGE OR REMOVE TREES EXCEPT AS APPROVED BY THE APPROPRIATE MUNICIPAL AUTHORITY OR AS SHOWN ON THE DRAWINGS. PROTECT ALL ROOTS.
- STRIP WORK LIMITS, REMOVING ALL ORGANIC MATTER WHICH CANNOT BE COMPACTED INTO A STABLE MASS, ALL TREES, BRUSH AND DEBRIS ASSOCIATED WITH CLEARING, STRIPPING OR GRADING SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- IMMEDIATELY FOLLOWING FINE GRADING OPERATIONS, COMPACT SUBGRADE TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180.
- ALL FILLS WITHIN PUBLIC RIGHT-OF-WAYS AND EASEMENTS SHALL BE ENGINEERED. ADDITIONALLY, ANY FILLS OUTSIDE OF PUBLIC RIGHT-OF-WAYS WHICH ARE OVER 2 FEET IN DEPTH SHALL BE ENGINEERED. ENGINEERED FILLS SHALL BE CONSTRUCTED IN 6" LIFTS. EACH LIFT SHALL BE COMPACTED TO 95 % OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).
- UNLESS OTHERWISE SHOWN ON THE DRAWINGS, STRAIGHT GRADES SHALL BE RUN BETWEEN ALL FINISH GRADE ELEVATIONS AND/OR FINISH CONTOUR LINES SHOWN. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH EXISTING PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
- CRUSHED ROCK SHALL CONFORM TO THE REQUIREMENTS OF SECTION 02630 (BASE AGGREGATE) SCDOT STANDARD SPECIFICATIONS. COMPACT TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR). A.C. PAVEMENT SHALL CONFORM TO SECTION 00745 (ASPHALT CONCRETE PAVEMENT) SCDOT STANDARD SPECIFICATIONS FOR STANDARD DUTY MIX. A.C. PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 91% OF MAXIMUM DENSITY AS DETERMINED BY THE RIGGE STANDARD METHOD.
- ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENTS, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA WHEREIN THEY LIE.
- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS.
- ENGINEERED FILL MATERIAL SHALL NOT CONTAIN ROCKS OR HARD LUMPS GREATER THAN 3 INCHES IN MAXIMUM DIMENSIONS AND SHALL BE FREE OF VEGETATION, ORGANIC MATTER, DEBRIS, RUBBLE AND OTHER UNSUITABLE MATERIALS AND SHALL BE APPROVED BY GEOTECHNICAL ENGINEER.
- IMPORTED SOILS FOR USE AS ENGINEERED FILL SHALL BE NON-EXCLUSIVE MATERIALS AND SHALL NOT CONTAIN ROCKS OR HARD LUMPS GREATER THAN 3 INCHES IN MAXIMUM DIMENSIONS AND SHALL BE FREE OF VEGETATION, ORGANIC MATTER, DEBRIS, RUBBLE, AND OTHER UNSUITABLE MATERIALS.
- AGGREGATE BASE MATERIAL SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SILOE SIZE (PER ASTM D422)	PERCENT PASSING BY WEIGHT
1 INCH	100
3/4	90-100
No. 8	35-55
No. 200	0-8

- ALL AREAS TO RECEIVE FILL, AND AREAS OF STRUCTURES AND PAVEMENTS, SHALL BE STRIPPED OF VEGETATION, ORGANIC MATTER, DEBRIS, RUBBLE, AND OTHER UNSUITABLE MATERIALS. STRIPPED SOILS SHALL NOT BE USED IN ENGINEERED FILL, BUT MAY BE USED IN LANDSCAPE AREAS.
- ENGINEERED FILL MATERIAL SHALL BE COMPACTED TO AT LEAST THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT, PER ASTM D698 (STANDARD PROCTOR)

ENGINEERED FILL MATERIAL	MINIMUM PERCENT COMPACTION	MOISTURE CONTENT (RANGE)
NATIVE SOIL	90%	OPTIMUM TO OPTIMUM PLUS 3%
ENGINEERED FILL UNDER STRUCTURES AND BEHIND RETAINING WALLS	95%	OPTIMUM TO OPTIMUM PLUS 3%
ENGINEERED FILL UNDER PAVEMENTS	95%	OPTIMUM TO OPTIMUM PLUS 2%
FILL IN LANDSCAPE AREAS	95%	2 TO 5% ABOVE OPTIMUM

- AGGREGATE BASE COURSE SHALL BE COMPACTED TO AT LEAST THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT, PER AASHTO T180 (MODIFIED PROCTOR)

ENGINEERED FILL MATERIAL	MINIMUM PERCENT COMPACTION	MOISTURE CONTENT (RANGE)
AGGREGATE BASE MATERIAL OR IMPORTED GRANULAR SOIL IN BUILDING AND PAVEMENT AREAS	100%	OPTIMUM PLUS OR MINUS 2%

- NOTE: MOISTURE CONTENT OF ENGINEERED FILL MATERIAL MAY REQUIRE ADJUSTMENT DURING CONSTRUCTION TO PREVENT SOIL PUMPING.
- ENGINEERED FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 6 INCHES THICK (LOOSE).
 - THE TOP 6 INCHES OF SOIL EXPOSED AT THE BOTTOM OF THE EXCAVATIONS SHALL BE COMPACTED, SCARIFIED AND COMPACTED AS ENGINEERED FILL PRIOR TO PLACEMENT OF ADDITIONAL FILL.
 - IF SOFT OR LOOSE SOIL IS PRESENT AT THE BASE OF EXCAVATIONS, IT SHALL BE EXCAVATED AND/OR COMPACTED AS ENGINEERED FILL OR AS RECOMMENDED BY THE GEOTECHNICAL FIELD REPRESENTATIVE.
 - IF SUBGRADE SOILS EXHIBIT PUMPING DURING COMPACTION, THE AREA SHALL BE ALLOWED TO DRY UNTIL THE SOILS BECOME WORKABLE WITHOUT PUMPING. THE MOISTURE CONTENT OF THE SOILS SHALL BE ADJUSTED TO PREVENT PUMPING.
 - EXPOSURE TO THE ENVIRONMENT MAY REDUCE THE STRENGTH OF SOILS IN PAVED AREAS. IF THIS OCCURS, THE SOFTENED SOILS SHALL BE REMOVED AND REWORKED IMMEDIATELY PRIOR TO CONCRETE PLACEMENT. IF RAINFALL IS EXPECTED AT A TIME WHEN BEARING SOILS IN FOOTING AREAS ARE EXPOSED, A 2 TO 4 INCH THICK LAYER OF LEAN CONCRETE MAY BE PLACED IN SUCH AREA.
 - THE SITE SHALL BE GRADED TO TRANSPORT SURFACE RUNOFF AWAY FROM THE PAVED AREAS. WATER SHALL NOT BE ALLOWED TO ACCUMULATE (POND) ON PAVED AREAS.
 - BACKFILL AND FILL SHALL CONFORM TO THE GENERAL REQUIREMENTS FOR SOIL MATERIALS ABOVE AND SHALL BE CLASSIFIED AS GW, GP, GM, GC, SW, SP, SM, SC, ML, CL BY ASTM D2487 AND SHALL CONFORM TO THE FOLLOWING:
 - SHALL BE CAPABLE OF BEING COMPACTED TO THE SPECIFIED DEGREE OF COMPACTION WHEN THE MOISTURE CONTENT IS WITHIN 3 PERCENTAGE POINTS OF THE OPTIMUM PERCENT MOISTURE.
 - LIQUID LIMIT SHOULD NOT EXCEED 40 PERCENT WHEN TESTED IN ACCORDANCE WITH ASTM D4318.
 - PLASTICITY INDEX SHOULD NOT BE GREATER THAN 30 PERCENT WHEN TESTED IN ACCORDANCE WITH ASTM D4318.
 - NO MORE THAN 75 PERCENT BY WEIGHT SHALL BE FINER THAN NO. 200 SIEVE WHEN TESTED IN ACCORDANCE WITH ASTM D1140.
 - UNSUITABLE SOIL SHALL BE ANY SOIL MATERIALS DETERMINED BY THE INDEPENDENT GEOTECHNICAL LABORATORY AS NOT CONFORMING TO THE REQUIREMENTS DESCRIBED ABOVE FOR BACKFILL AND FILL. A MOISTURE CONTENT WHICH IS MORE THAN 3 PERCENTAGE POINTS FROM OPTIMUM SHALL NOT BE CONSIDERED UNSUITABLE IF SUCH MATERIALS WOULD OTHERWISE BE SUITABLE IF THE MOISTURE CONTENT WERE ADJUSTED. ADJUSTMENTS TO THE SOIL MOISTURE CONTENT BY DRYING, MIXING, ADDING WATER, OR OTHER MEANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - MEASUREMENT OF UNSUITABLE MATERIAL: THE VOLUME OF UNSUITABLE MATERIAL EXCAVATION SHALL BE DETERMINED BY A LICENSED SURVEYOR BY THE AVERAGE END AREA METHOD. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SCALE PLAN WITH SUFFICIENT ELEVATION POINTS TO ACCURATELY DEFINE THE VOLUME OF UNSUITABLE MATERIAL EXCAVATED. THE EXTENT OF UNSUITABLE MATERIAL EXCAVATION SHALL BE DETERMINED BY THE INDEPENDENT GEOTECHNICAL LABORATORY.
 - ALL PAINTED ARROWS AND OTHER SYMBOLS TO BE PER MUTCD AND SCDOT STANDARD SPECIFICATIONS.
 - CONTRACTOR TO REFERENCE "REPORT OF GEOTECHNICAL ENGINEERING STUDY - PROJECT NO 14-02-092" BY COASTAL ENGINEERING & TESTING DATED AUGUST 27, 2014 PREPARED FOR DAVID WILLIS OF SOUTHEASTERN DESIGN AND DEVELOPMENT, INC. CONTRACTOR TO CONTACT OWNER OR DAVID WILLIS TO OBTAIN A COPY

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 BERMS 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 FORTY (40) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURE 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 INSTALLED, 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. 72-300 ET SEQ. AND SCR100000.
- TEMPORARY DIVERSION BERMS 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 50-FOOT BUFFER 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 SWPPP, 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 BMPs (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;
 - 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 SC'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 SWPPP 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 SWPPP 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.

DRAINAGE

- ALL NEW STORM PIPES, BEDDING, TRENCHING, STORM BOXES, ETC. IN THE CITY RIGHTS-OF-WAY AND/OR CITY OWNED AND MAINTAINED DRAINAGE EASEMENTS SHALL BE INSTALLED PER CURRENT SCDOT SPECIFICATIONS, LOCATED ON THE INTERNET AT http://www.scdot.org/doing/construction_standardspec.aspx. STANDARD SCDOT DETAIL DRAWINGS CAN BE LOCATED AT THE FOLLOWING WEBSITE: http://www.scdot.org/doing/sd_book.aspx.
- ALL REINFORCED CONCRETE PIPE SHALL, AT A MINIMUM, BE ASTM C76, CLASS III.
- REINFORCED CONCRETE PIPE INSTALLED UNDER PAVEMENT AND/OR PARALLEL TO THE EDGE OF PAVEMENT IN PUBLIC RIGHTS-OF-WAY SHALL HAVE O-RING JOINTS IN ACCORDANCE WITH ASTM C443 AND/OR AASHTO M315. THE JOINTS SHALL BE SECURELY WRAPPED WITH FILTER FABRIC 18" IN WIDTH.
- SUBMERGED DRAINAGE SYSTEMS SHALL HAVE O-RING JOINTS IN ACCORDANCE WITH ASTM C 443 AND/OR AASHTO M315. THE JOINTS SHALL BE SECURELY WRAPPED WITH FILTER FABRIC 18" IN WIDTH.
- WHERE TONGUE AND GROOVE STORM PIPE IS ALLOWED, REINFORCED CONCRETE PIPE SHALL BE PER ASTM C 76, CLASS III. JOINTS SHALL BE SEALED WITH RAMNECK OR EQUIVALENT PER AASHTO M198. THE JOINTS SHALL BE SECURELY WRAPPED WITH FILTER FABRIC 18" IN WIDTH.
- ALL NEW STORM DRAINAGE LINES SHALL BE LAID UPGRADE AFTER CONFIRMATION OF EXISTING INVERT ELEVATION.
- THE TOWN OF MONCKS CORNER MAINTAINS THE RIGHT TO ALLOW ALTERNATE PIPE INSTALLATIONS OR TYPE OF PIPE FOR ALL PROJECTS ON A CASE-BY-CASE BASIS FOR ANY PIPES TO BE INSTALLED IN AN EXISTING OR PROPOSED CITY ROAD RIGHT-OF-WAY AND/OR DRAINAGE EASEMENT.
- PIPE LENGTHS SHOWN ARE APPROXIMATE AND CENTER TO CENTER ON DRAINAGE STRUCTURES OR TO END OF PIPE. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO SUBMITTAL OF BID.
- ALL STORM DRAIN PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS.
- THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR MAY BE REQUIRED TO RECLEAN PIPES AND INLETS FOR THESE PURPOSES.
- FOR CONSTRUCTION OF THE DROP INLET WALLS EITHER BRICK MASONRY OR CLASS 3000 CONCRETE MAY BE USED. FOR CONCRETE THE WALLS ARE TO BE 6" THICK WITH A REINFORCING STEEL AREA OF 0.20 SQ. INCH PER FT. FOR BRICK THE WALLS ARE TO BE 8" THICK.
- THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6 IN. THICK CLASS 3000 CONCRETE WITH A REINFORCING STEEL AREA OF 0.20 SQ. INCH PER FT. WIRE MESH MAY BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM OF 0.20 SQ. IN. PER FT. IS MET.
- MORTAR SHALL BE TYPE S OR M.
- IF DESIRED THESE ITEMS MAY BE PRECAST PRIOR TO INSTALLATION IN LIEU OF BEING CAST IN PLACE. THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE SCDOT STANDARD DRAWINGS FOR PRECAST CONCRETE DRAINAGE BOX FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
- REINFORCING STEEL SHALL BE DEFORMED AND SHALL CONFORM TO AASHTO M 31, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M 221.
- IF STRUCTURE DEPTH EXCEEDS 4'-6", METAL STEPS ARE TO BE PLACED ON WALL. SEE STEP STANDARD DRAWING 719-16.
- CASTING SHALL CONFORM TO AASHTO M 105, CLASS 35B AND THE ALTERNATE LOAD TEST OF AASHTO M 306. CASTINGS SHALL ALSO MEET THE LOADING REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-621 (LATEST EDITION).
- STEEL GRATES AND FRAME MAY BE USED IN LIEU OF CAST IRON AS LONG AS THE LOADING AND HYDRAULIC REQUIREMENTS ARE MET, AND ARE ON SCDOT LIST OF APPROVED SUPPLIERS.
- STEEL GRATES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111.
- STEEL GRATES AND FRAMES SHALL BE DIMENSIONED TO BE INTERCHANGEABLE WITH EACH PIECE OF THE CAST IRON GRATE AND FRAME SHOWN. MUST HAVE A POSITIVE MEANS TO RETAIN THE GRATE IN THE FRAME.
- STRENGTH REQUIREMENTS OF STEEL GRATES AND FRAMES MUST MEET FEDERAL SPECIFICATION RR-F-621 (LATEST EDITION).
- THE LONGEST DIMENSIONS OF THE OPENING IN THE IRON GRATE SHOULD BE ORIENTED IN THE DIRECTION OF FLOW IF PRACTICAL.
- AS SHOWN BY THIS DRAWING THE FRAME IS SET LEVEL, BUT THE ENGINEER MAY SET SAME ON SLOPE AS REQUIRED BY LOCAL DRAINAGE CONDITIONS.
- AFTER THE FRAME IS SET IN ITS FINAL POSITION, IT IS TO BE ENCASED WITH CONCRETE AS SHOWN BY DRAWING.
- THE INSIDE OF THE OUTLET PIPE SHALL BE FLUSH WITH FLOOR OF BASIN, UNLESS OTHERWISE SHOWN ON PLANS (SUMP).
- THE SOFFIT (INSIDE TOP OF PIPE) OF THE OUTLET PIPE SHOULD BE NO HIGHER THAN THE SOFFIT OF THE INLET PIPE, UNLESS OTHERWISE SHOWN ON PLANS.
- SHOULD THE CONTRACTOR ENCOUNTER UNSUITABLE MATERIAL, THEN THE CONTRACTOR WILL ENGAGE AN INDEPENDENT GEOTECHNICAL ENGINEER TO VERIFY UNSUITABLE MATERIAL AND MAKE RECOMMENDATIONS ON THE REMOVAL AND THE PLACEMENT AND TYPE OF NEW BEDDING AND BACKFILL MATERIAL. THE RECOMMENDATIONS BY THE INDEPENDENT GEOTECHNICAL ENGINEER SHALL BE SUBMITTED TO THE OWNER AND CIVIL ENGINEER FOR CONCURRENCE PRIOR TO PROCEEDING WITH WORK.



4969 Centre Pointe Dr, Suite 200
North Charleston, SC 29418
843-740-7700

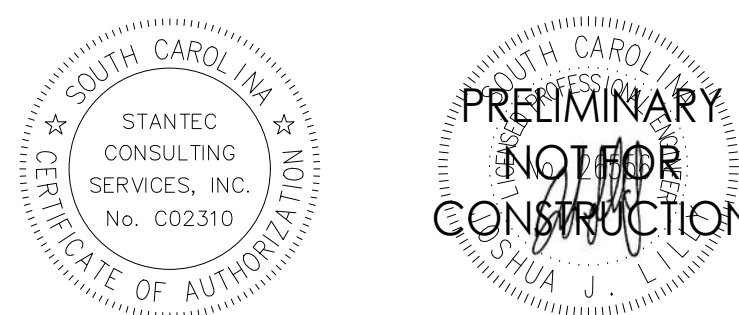
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Notes

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MV/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26
Issued	By	Appd.	YY.MM.DD

File Name:			
	Draw.	Chkd.	Dsgn.
			YY.MM.DD

Permit-Seal



Client/Project
COLLETON COUNTY

**ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC**

Title

GENERAL NOTES

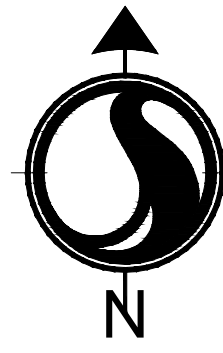
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215617641		
Drawing No.	Sheet	Revision

C001

2 of 18

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0 20' 40'
1" = 20'

Legend

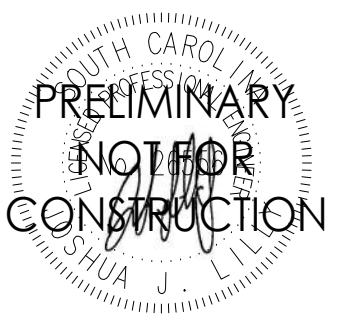
Notes

Revision

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MV/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

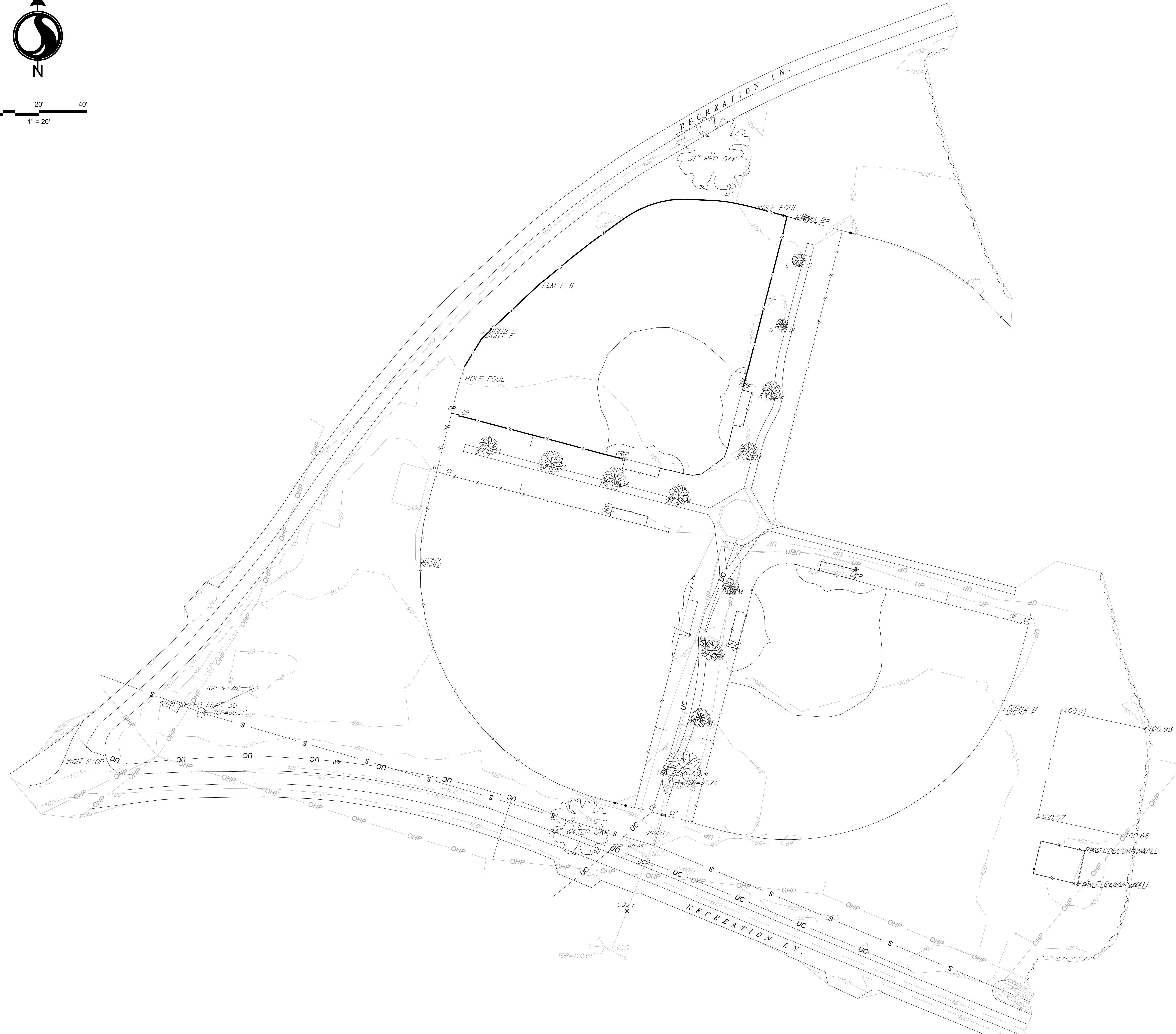
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EXISTING
CONDITIONS

Project No.	Scale
215617641	1" = 40'

Drawing No.	Sheet	Revision
C100	3 of 18	0



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Legend

- REMOVE TREE
- REMOVE FENCE
- REMOVE OUTFIELD GRASS
- REMOVE INFIELD CLAY

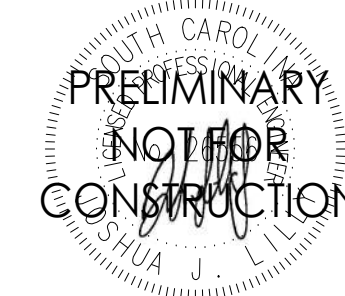
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Revision	By	Appd.	YY.MM.DD

ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MW/CC	JL	23.06.09
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Issued			

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Permit-Seal

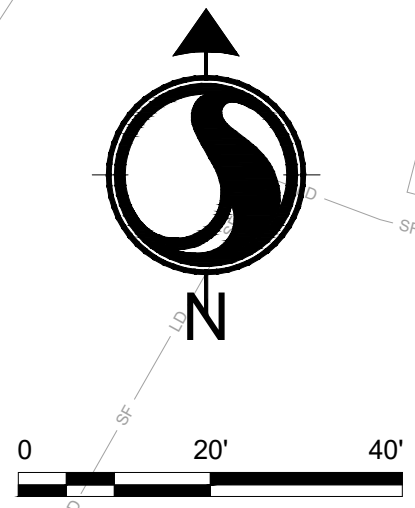


Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
DEMOLITION AND TREE PROTECTION PLAN

Project No. 215617641	Scale 1" = 20'	Revision
Drawing No. C200	Sheet 4 of 18	



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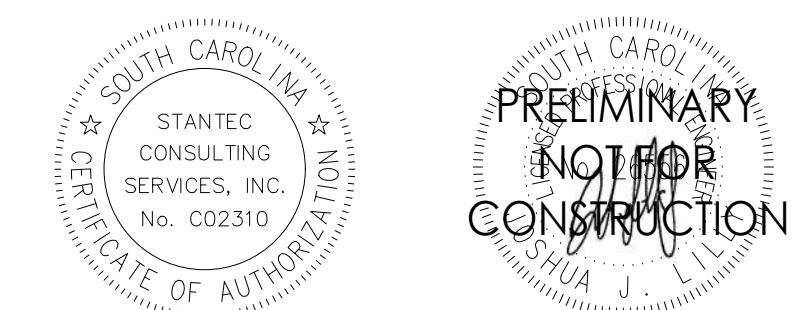
- DC DUST CONTROL
- TS TEMPORARY SEEDING
- M MULCH
- PS PERMANENT SEEDING
- C CONCRETE WASHOUT AREA
- LIMITS OF DISTURBANCE/ SILT FENCE
- A TYPE A INLET PROTECTION
- CONSTRUCTION ENTRANCE
- TREE PROTECTION

Notes

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MW/CC	JL	23.06.09
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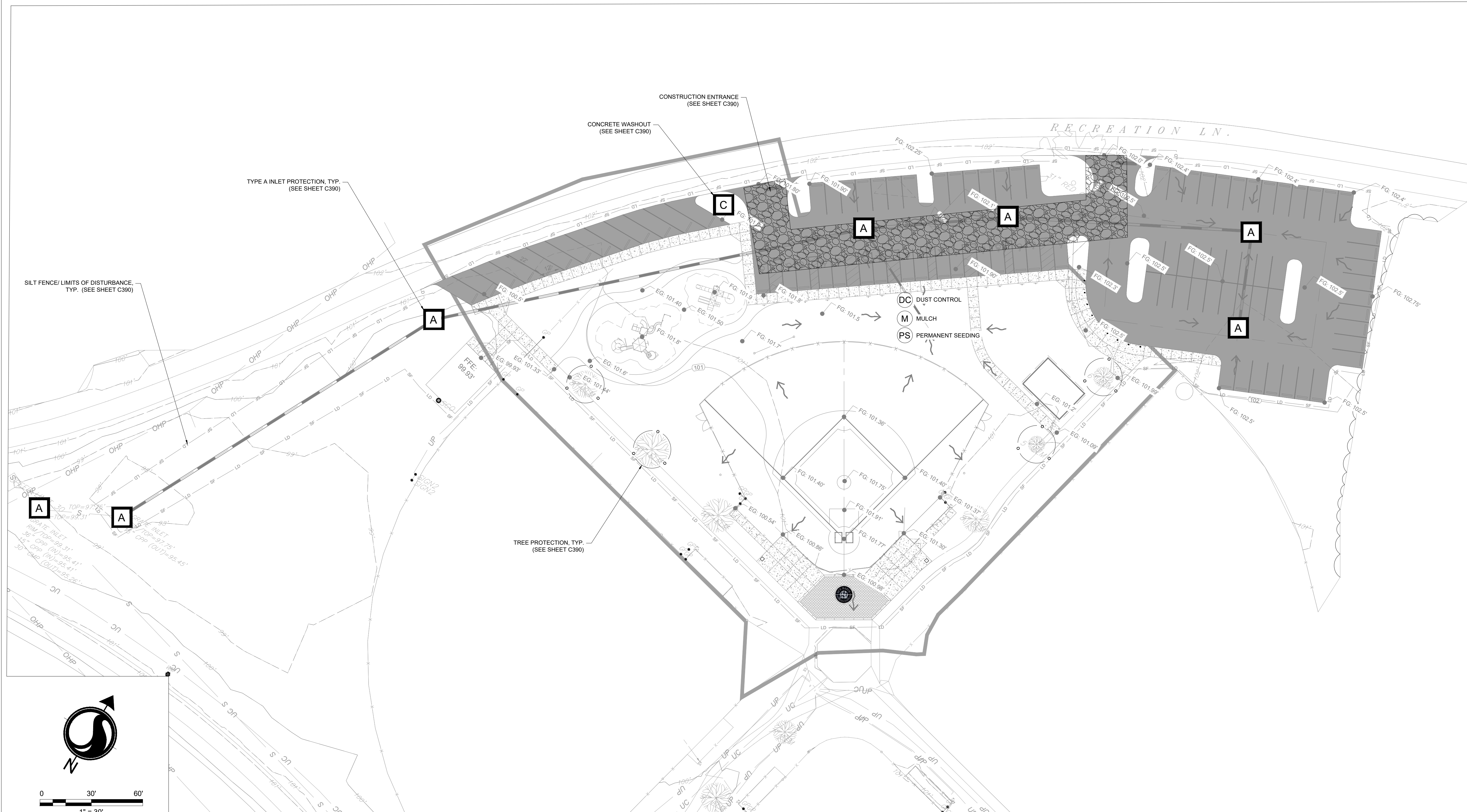


Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
EROSION CONTROL PLAN

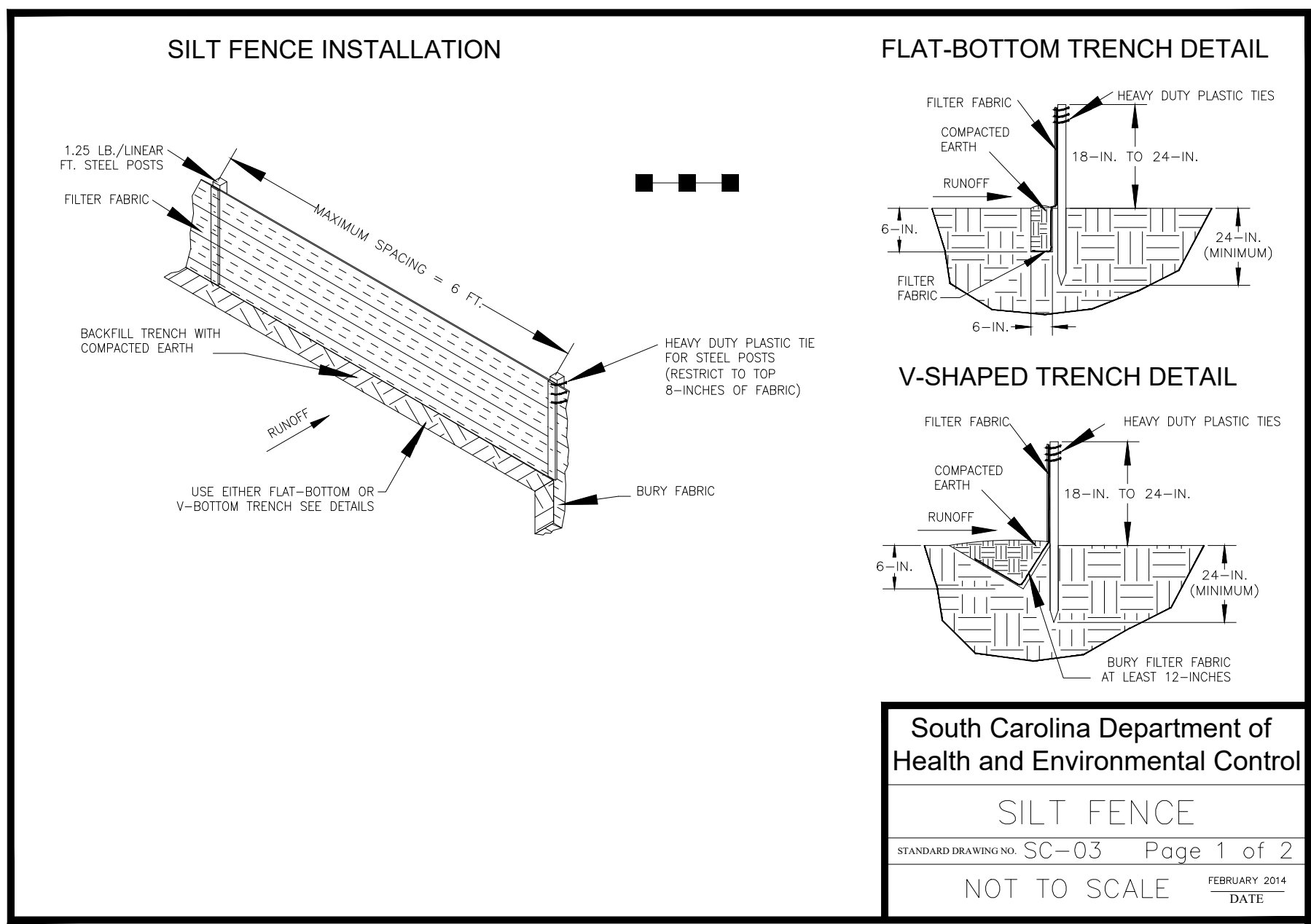
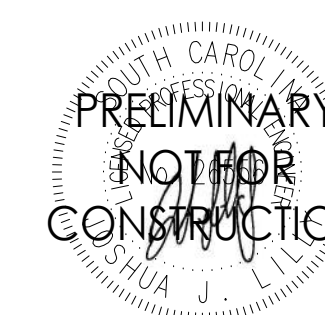
Project No.	Scale	Sheet	Revision
215617641		5 of 18	
Drawing No.			
C300			



SEQUENCE OF CONSTRUCTION:

1. RECEIVE NPDES COVERAGE FROM DHEC.
2. PRE-CONSTRUCTION MEETING ON-SITE.
3. NOTIFY DHEC EQC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.
4. INSTALLATION OF CONSTRUCTION ENTRANCE.
5. FLAGGING OF BUFFER ZONES.
6. INSTALLATION OF PERIMETER CONTROLS (E.G., SILT FENCE).
7. INSTALL TYPE A INLET PROTECTION AT ALL EXISTING CATCH BASINS AS INDICATED ON PLAN.
8. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED; INSTALLATION OF WATER & SEWER SYSTEM
9. ROUGH GRADING OF SITE.
10. CONSTRUCT DIVERSION SWALES AS NECESSARY TO CONVEY THE STORM WATER BEFORE THE PROPOSED STORM DRAINAGE SYSTEM IS FULLY FUNCTIONAL.
11. SITE GRADING, INSTALL PAVEMENT.
12. PERMANENT/FINAL STABILIZATION.
13. MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.
14. CONTACT DHEC FOR FINAL INSPECTION AND CLOSE-OUT OF PROJECT. AS-BUILT, VIDEO AND CLOSE-OUT APPLICATION TO BE SUBMITTED FOR REVIEW AND APPROVAL.
15. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/OPERATOR HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES).
16. SUBMIT TO DHEC FOR N.O.T.





SILT FENCE - POST REQUIREMENTS

- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%).
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE - FABRIC REQUIREMENTS

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely alter its physical properties after installation.
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and.
 - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #54, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- Filter fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter fabric shall be installed at a minimum of 24-inches above the ground.

SILT FENCE - INSPECTION & MAINTENANCE

- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overlapping the silt fence. Install checks/ba-bacos and/or reinstall silt fence, as necessary.
- Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
- Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

FEBRUARY 2014 DATE

NOT TO SCALE

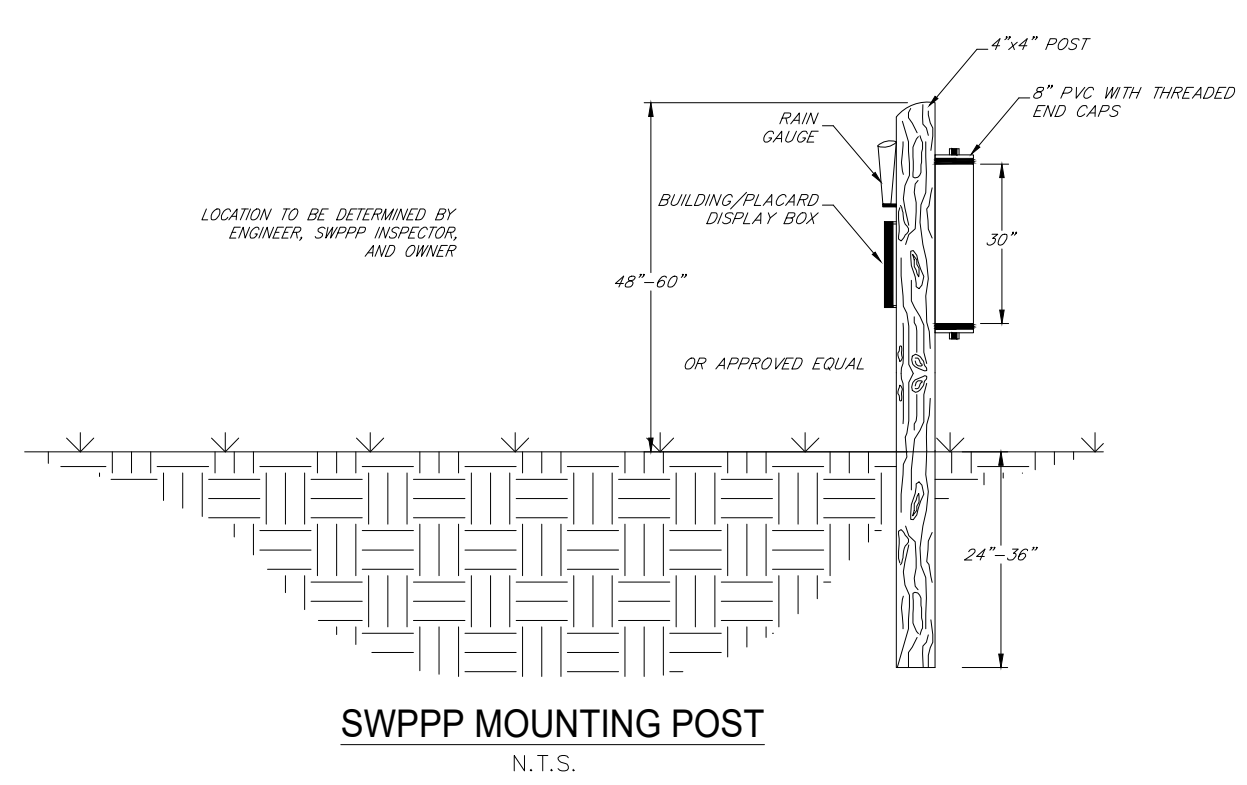
South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 2 of 2

FEBRUARY 2014 DATE

GENERAL NOTES

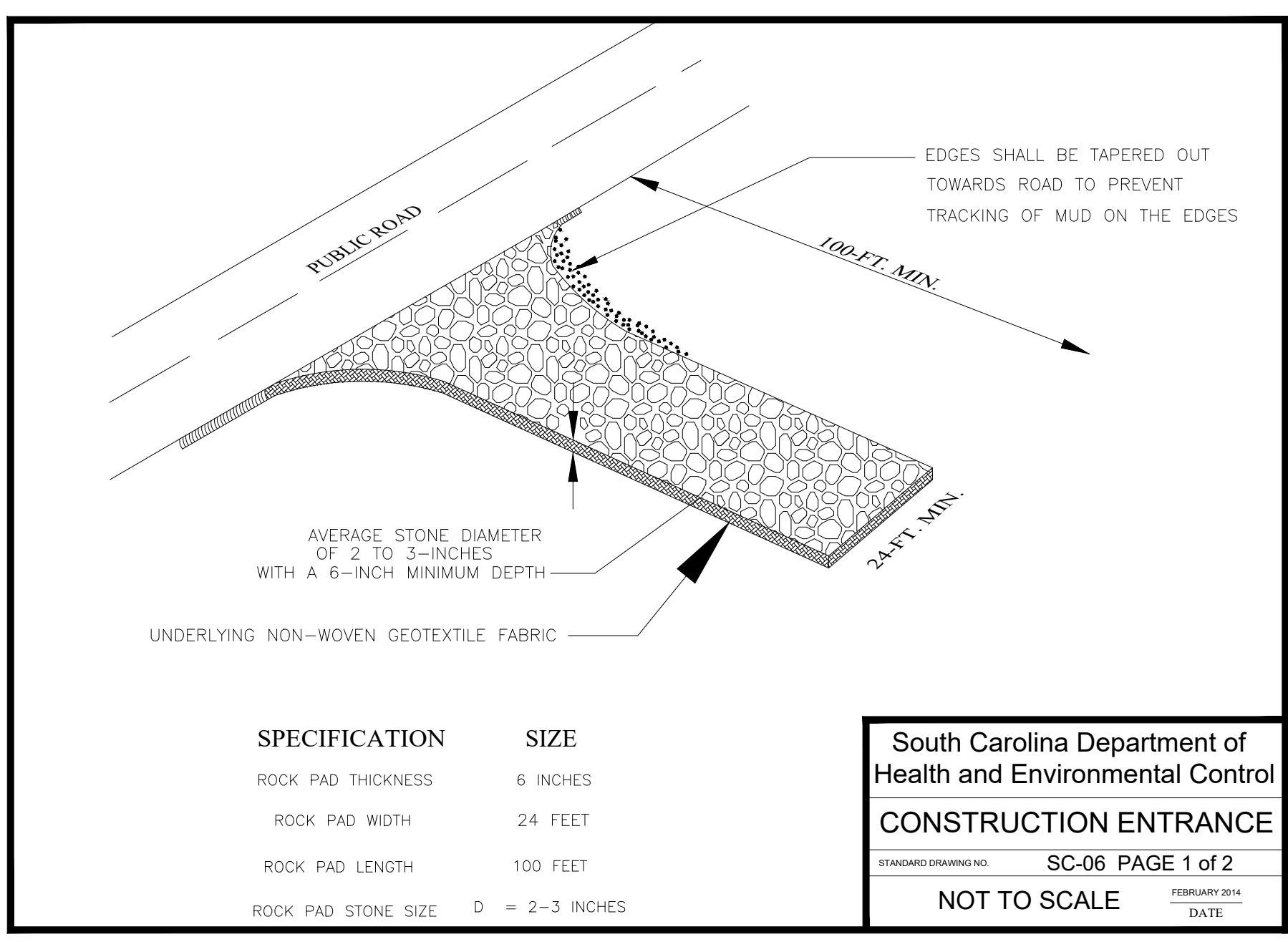


PERMANENT VEGETATION SCHEDULE				TEMPORARY VEGETATION SCHEDULE			
SPECIES	RATE (LBS/AC)	OPTIMUM DATES TO PLANT	REMARKS	SPECIES	RATE (LBS/AC)	OPTIMUM DATES TO PLANT	REMARKS
BERNUDA GRASS (HULLED) (ALONE)	8-12	APRIL - JULY 15	QUICK COVER, SOO FORMING, PARTIAL WINTER KILL	BROWNSTOP MILLET (ALONE)	40	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
BERNUDA GRASS (HULLED) (MIX)	4-6	APRIL - JULY 15	QUICK COVER, SOO FORMING, PARTIAL WINTER KILL	BROWNSTOP MILLET (MIX)	10	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
FESCUE, TALL (KY31)	40	AUGUST 15 - OCTOBER	SELDOM SEEDS; ALONE, NOT FOR DRY OR WET SITES	FIVE GRASS (ALONE)	56	FEBRUARY - MARCH, AUGUST 15 - NOVEMBER 20	QUICK COVER
FESCUE, TALL (KY31) MIX	20	AUGUST 15 - OCTOBER	SELDOM SEEDS; ALONE, NOT FOR DRY OR WET SITES	FIVE GRASS (MIX)	10	FEBRUARY - MARCH, AUGUST 15 - NOVEMBER 20	QUICK COVER
ANNUAL RYE GRASS	15	AUGUST 15 - FEBRUARY	GOOD FOR SUPPRESSING WEEDS; DO NOT USE ITALIAN RYE GRASS.	FIVE GRASS (ALONE)	50	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE
CENTPEDE	10	MARCH 1 - APRIL 15	REQUIRES LOW MAINTENANCE AND FERTILIZER.	FIVE GRASS (MIX)	9	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE

* FOR DETAILS ON MIXES CONSULT THE CLEMSON UNIVERSITY HOME AND GARDEN INFORMATION CENTER AT (888) 656-9988 OR AT HTTP://HGIC.CLEMSON.EDU.

UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES. SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

ALL DISTURBED AREAS MUST BE GRASSED IN ACCORDANCE WITH S.C.D.O.T. STANDARD SPECIES.



CONSTRUCTION ENTRANCE - GENERAL NOTES

- Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
- Install a non-woven geotextile fabric prior to placing any stone.
- Install a culvert pipe across the entrance when needed to provide positive drainage.
- The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
- Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
- The edges of the entrance shall be tapered out towards the road to prevent tracking of the edge of the entrance.
- Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
- Limestone may not be used for the stone pad.

CONSTR. ENTRANCE - INSPECTION & MAINTENANCE

- The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
- Reshape the stone pad as necessary for drainage and runoff control.
- Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
- Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
- During maintenance activities, any broken pavement should be repaired immediately.
- Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post-construction.

South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 1 of 2

FEBRUARY 2014 DATE

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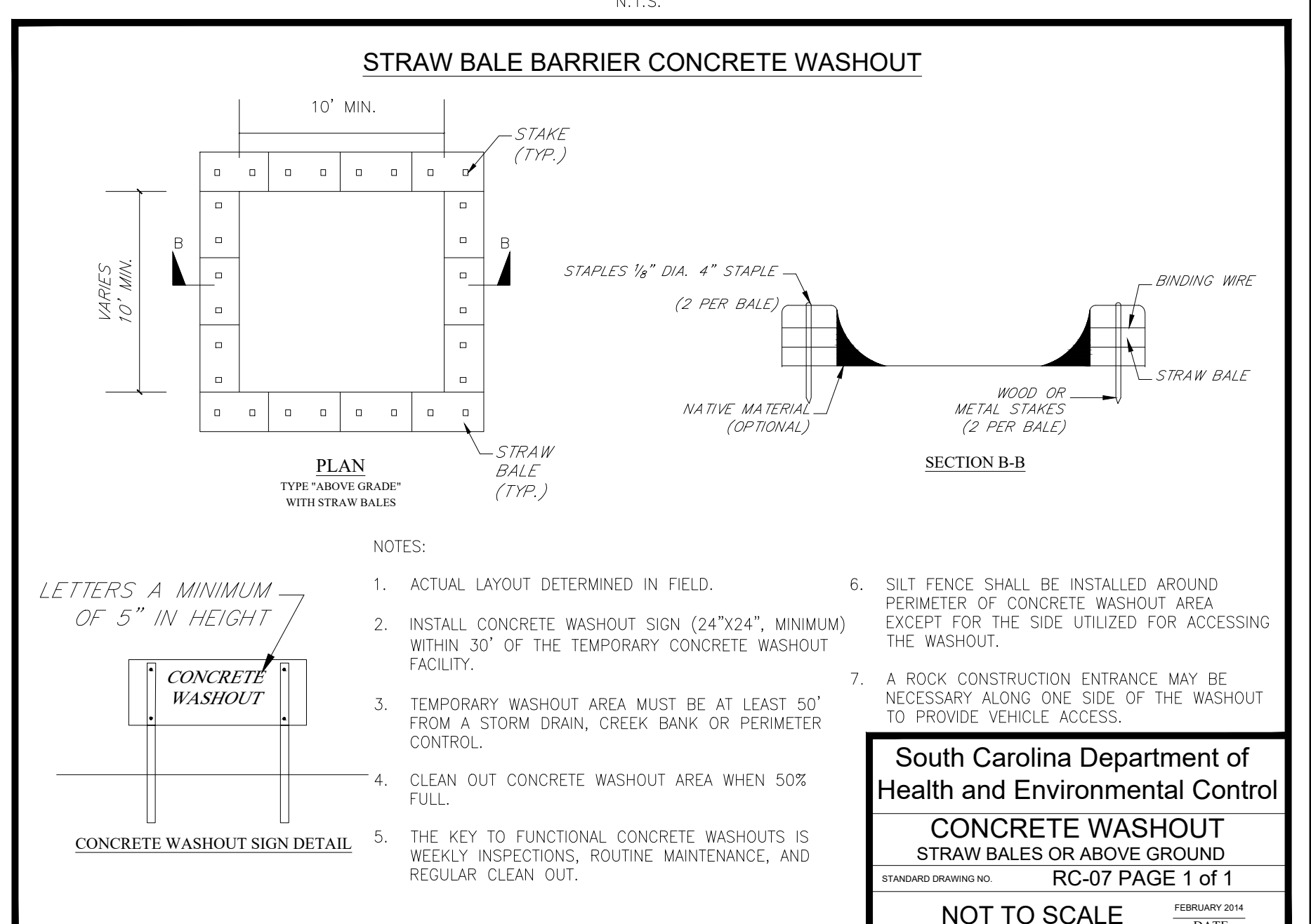
South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

FEBRUARY 2014 DATE

GENERAL NOTES



LETTERS A MINIMUM OF 5" IN HEIGHT

CONCRETE WASHOUT SIGN DETAIL

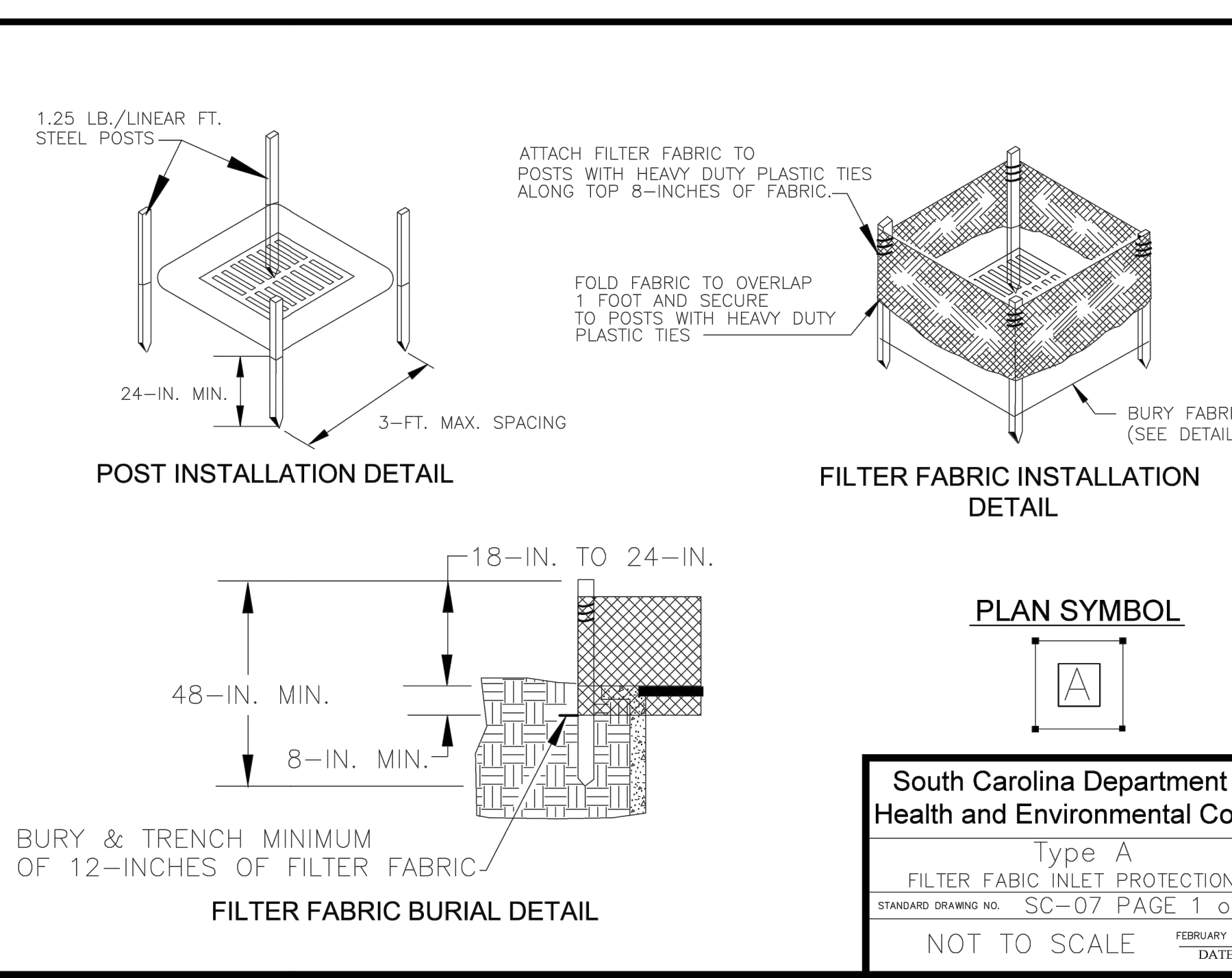
South Carolina Department of Health and Environmental Control

CONCRETE WASHOUT STRAW BALES OR ABOVE GROUND

STANDARD DRAWING NO. RC-07 PAGE 1 of 1

FEBRUARY 2014 DATE

NOT TO SCALE



TYPE A - FILTER FABRIC REQUIREMENTS

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely alter its physical properties after installation.
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and.
 - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #54, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- Filter fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter fabric shall be installed at a minimum of 24-inches above the ground.

TYPE A - POST REQUIREMENTS

- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%).
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 3-feet on center.

TYPE A - INSPECTION & MAINTENANCE

- The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations along the filter fabric is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the sump.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overlapping the inlet protection.
- Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Removed damaged fabric and reinstall new filter fabric immediately.
- Inlet protection structures should be removed after all the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

South Carolina Department of Health and Environmental Control

Type A FILTER FABRIC INLET PROTECTION

STANDARD DRAWING NO. SC-07 PAGE 1 of 2

FEBRUARY 2014 DATE

NOT TO SCALE

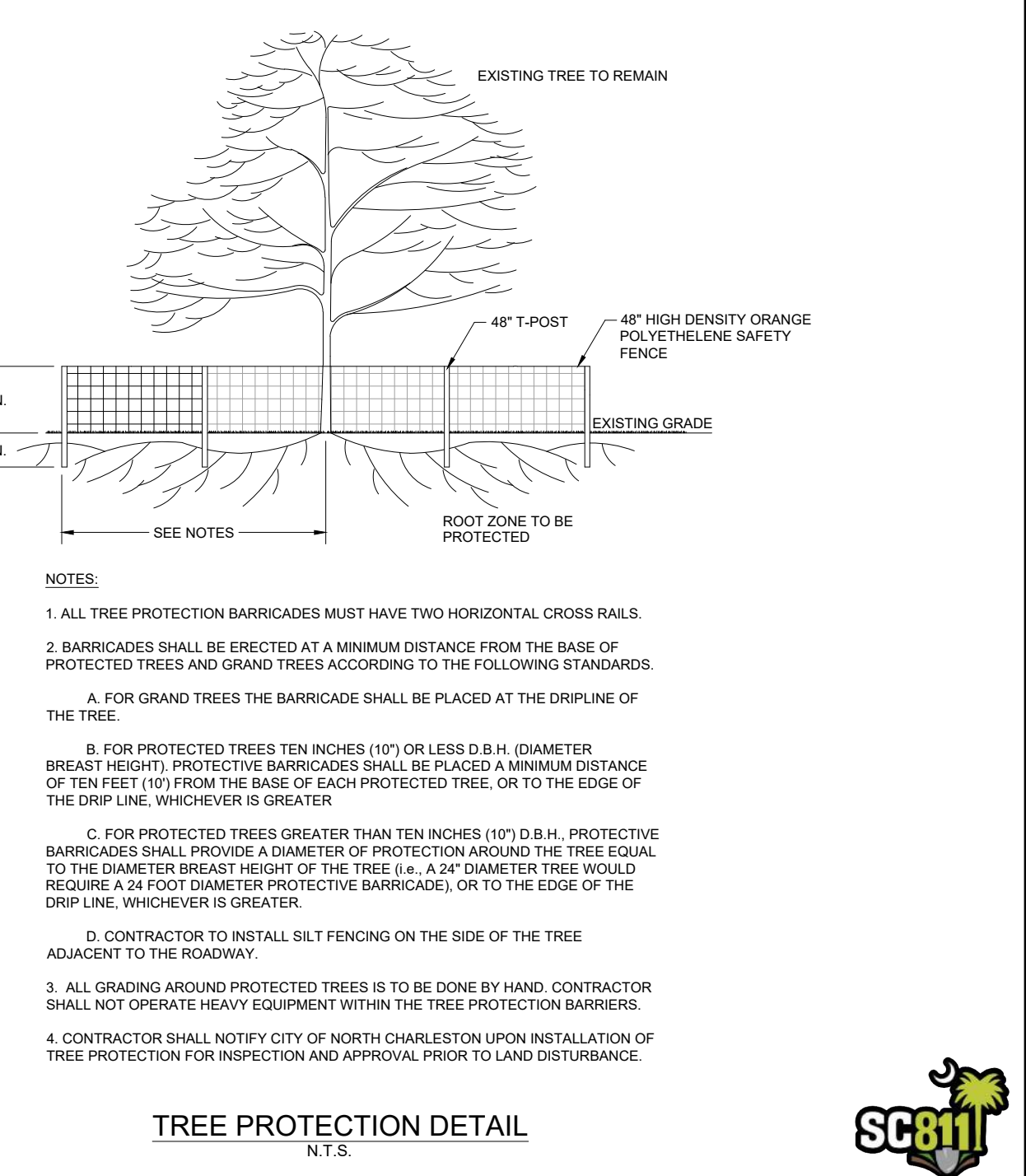
South Carolina Department of Health and Environmental Control

Type A FILTER FABRIC INLET PROTECTION

STANDARD DRAWING NO. SC-07 PAGE 2 of 2

FEBRUARY 2014 DATE

GENERAL NOTES



South Carolina Department of Health and Environmental Control

Tree Protection Detail

STANDARD DRAWING NO. N.T.S.

FEBRUARY 2014 DATE

GENERAL NOTES

Legend

Notes

1. ALL ANGLES ARE 90° DEGREES UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO THE UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL REVIEW THE EXISTING SITE CONDITIONS PRIOR TO BIDDING AND IF ANY DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT.
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6. THE CONTRACTOR IS RESPONSIBLE FOR FINE GRADING AND PROVIDING A SMOOTH TRANSITION INTO EXISTING GRADES. GRADE TO PREVENT PONDING AND TO PROVIDE POSITIVE DRAINAGE FROM STRUCTURES.

Revision

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MV/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26
Issued	By	Appd.	YY.MM.DD

File Name:

Permit-Seal



Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

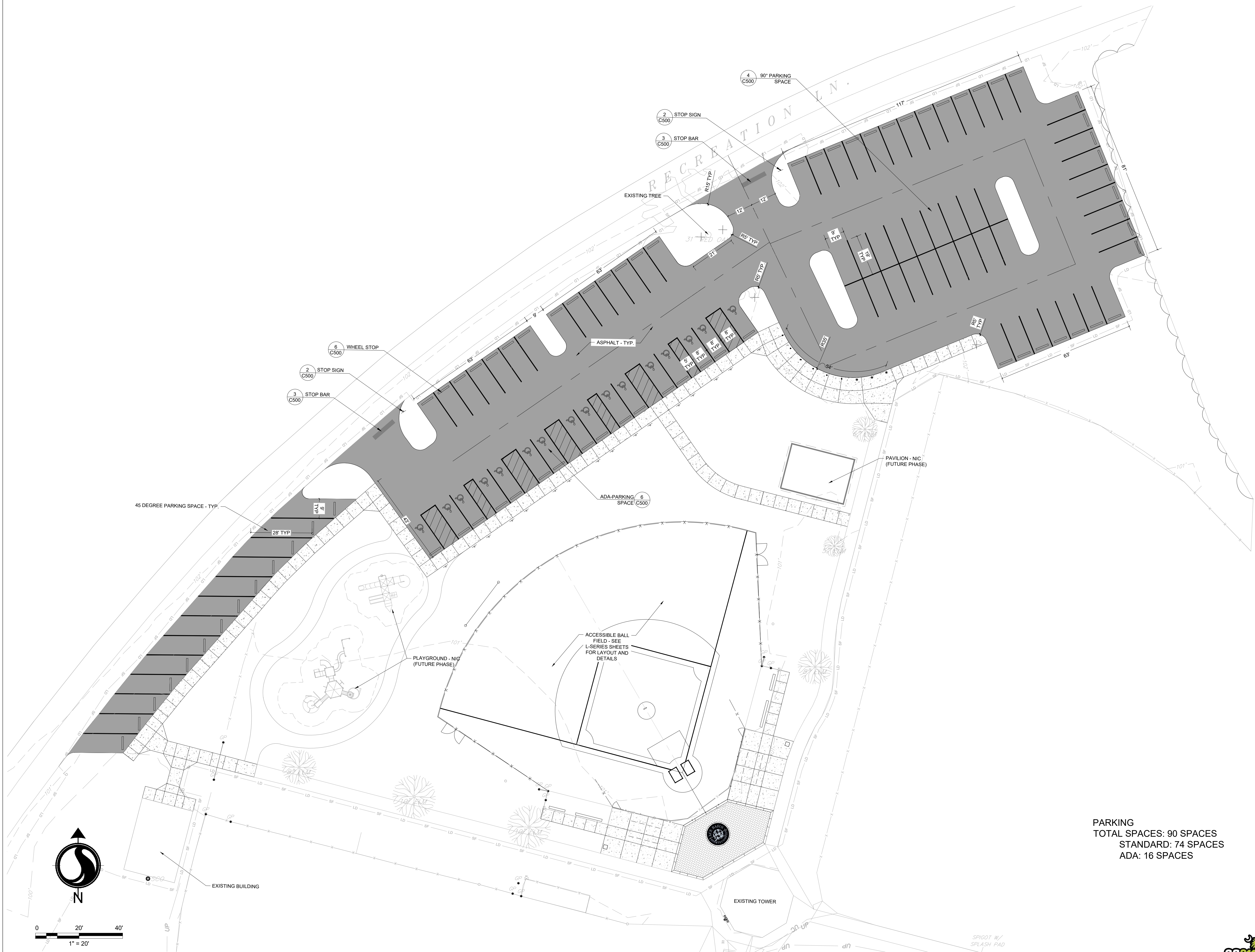
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SITE PLAN & LAYOUT

Project No. 215617641
Drawing No. C400

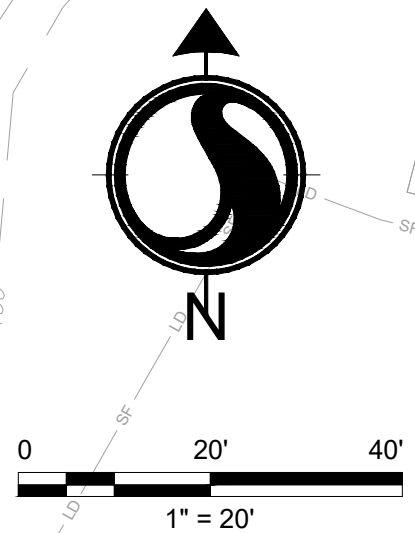
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Sheet 7 of 18
Revision 0

C400 7 of 18 0

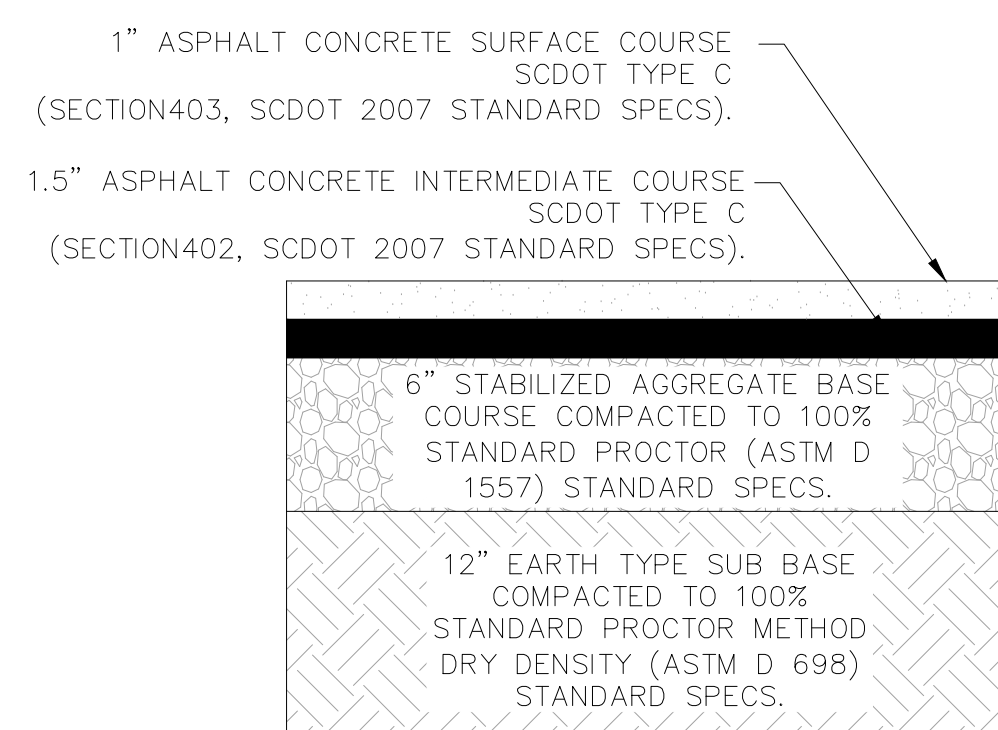
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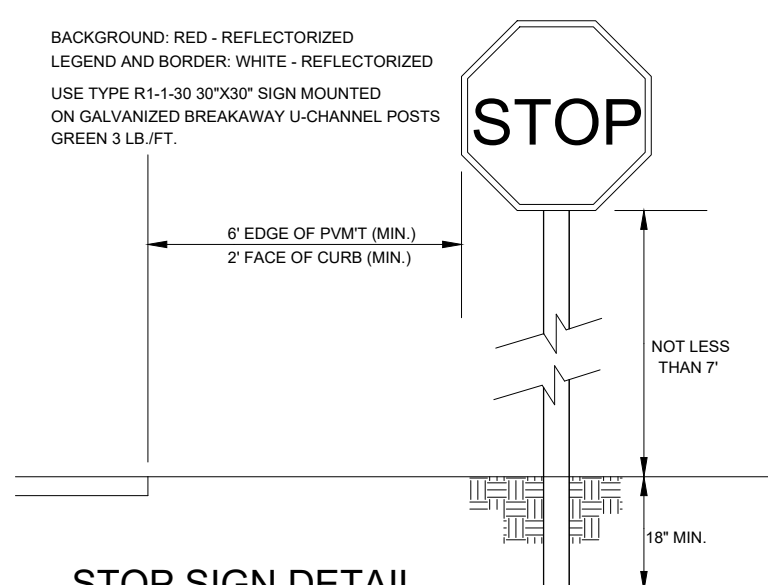
PARKING
TOTAL SPACES: 90 SPACES
STANDARD: 74 SPACES
ADA: 16 SPACES



NOTE:
FOR MORE INFORMATION REGARDING EXISTING SUBGRADE
SOILS, REFER TO GEOTECHNICAL REPORT BY ECS SOUTHEAST,
LLP DATED DECEMBER 11, 2018.



1 ASPHALT PAVEMENT SECTION
N.T.S.

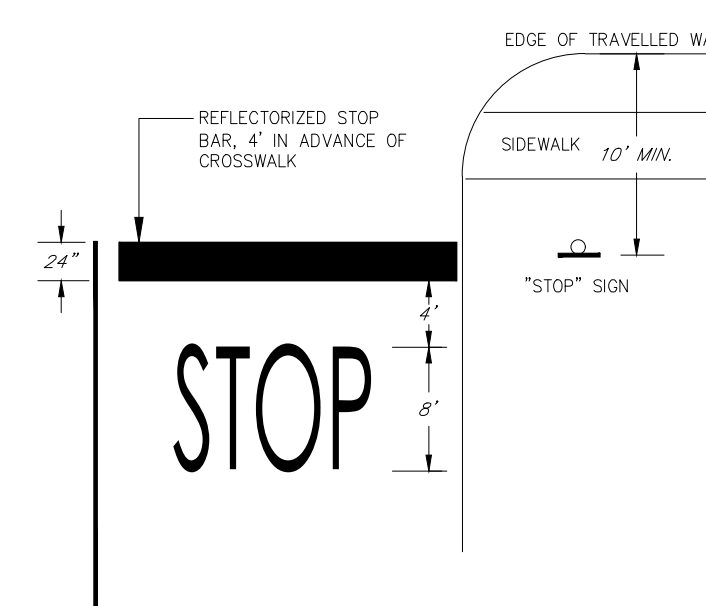


STOP SIGN DETAIL
N.T.S.
BACKGROUND: RED - REFLECTORIZED
LEGEND AND BORDER: WHITE - REFLECTORIZED
USE TYPE R1-130 30"x30" SIGN MOUNTED
ON GALVANIZED BREAKAWAY U-CHANNEL POSTS
GREEN 3 LB./FT.
NOT LESS
THAN 7'
18" MIN.

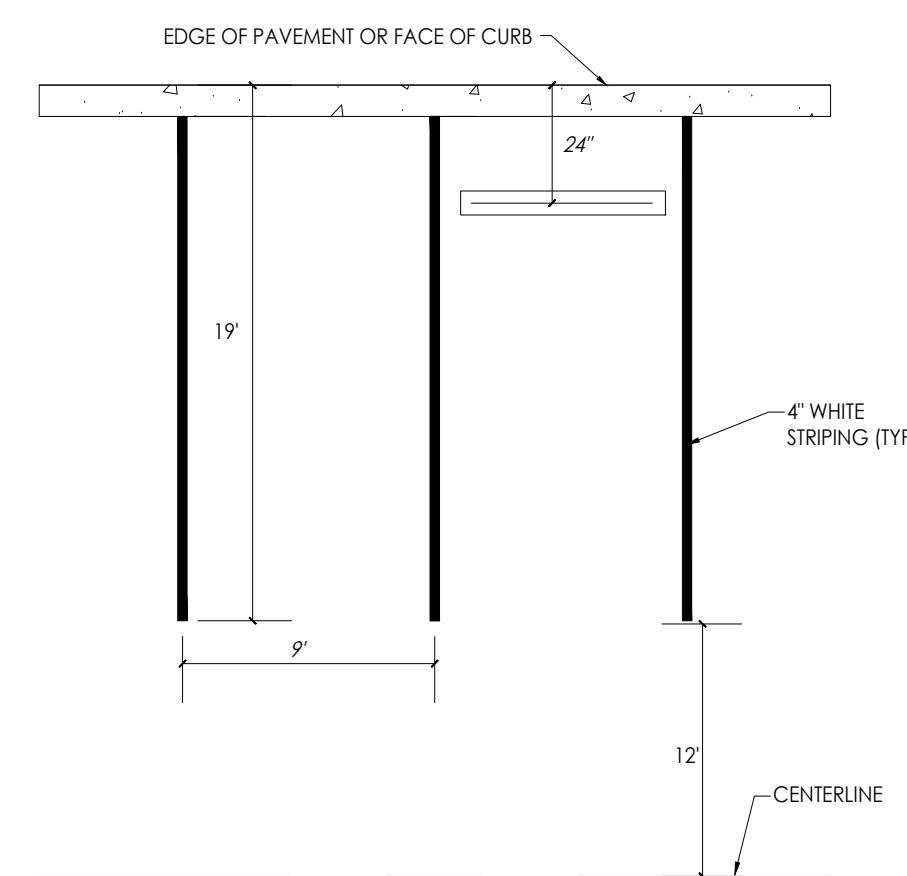
2 STOP SIGN DETAIL
N.T.S.

NOTE:

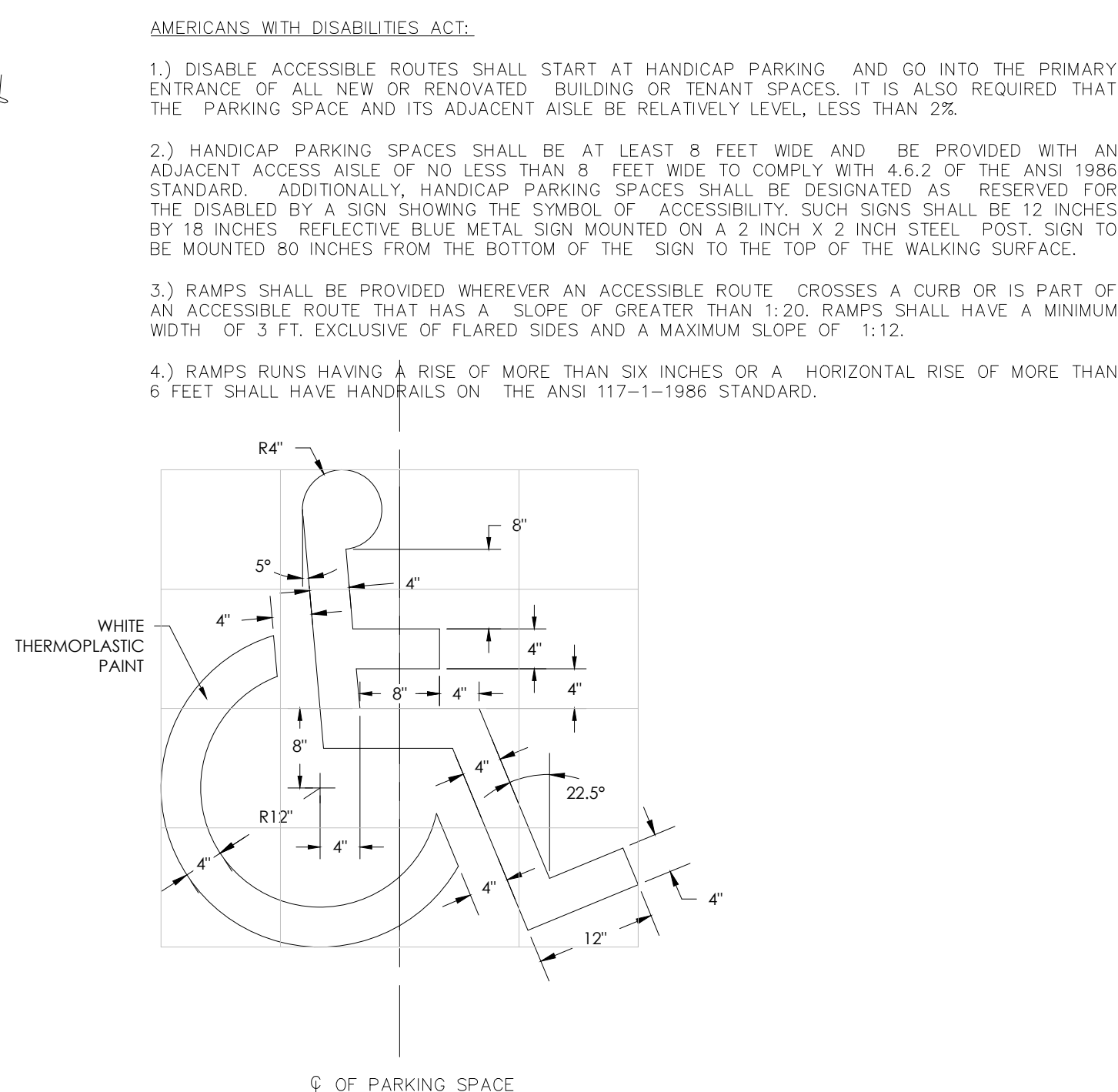
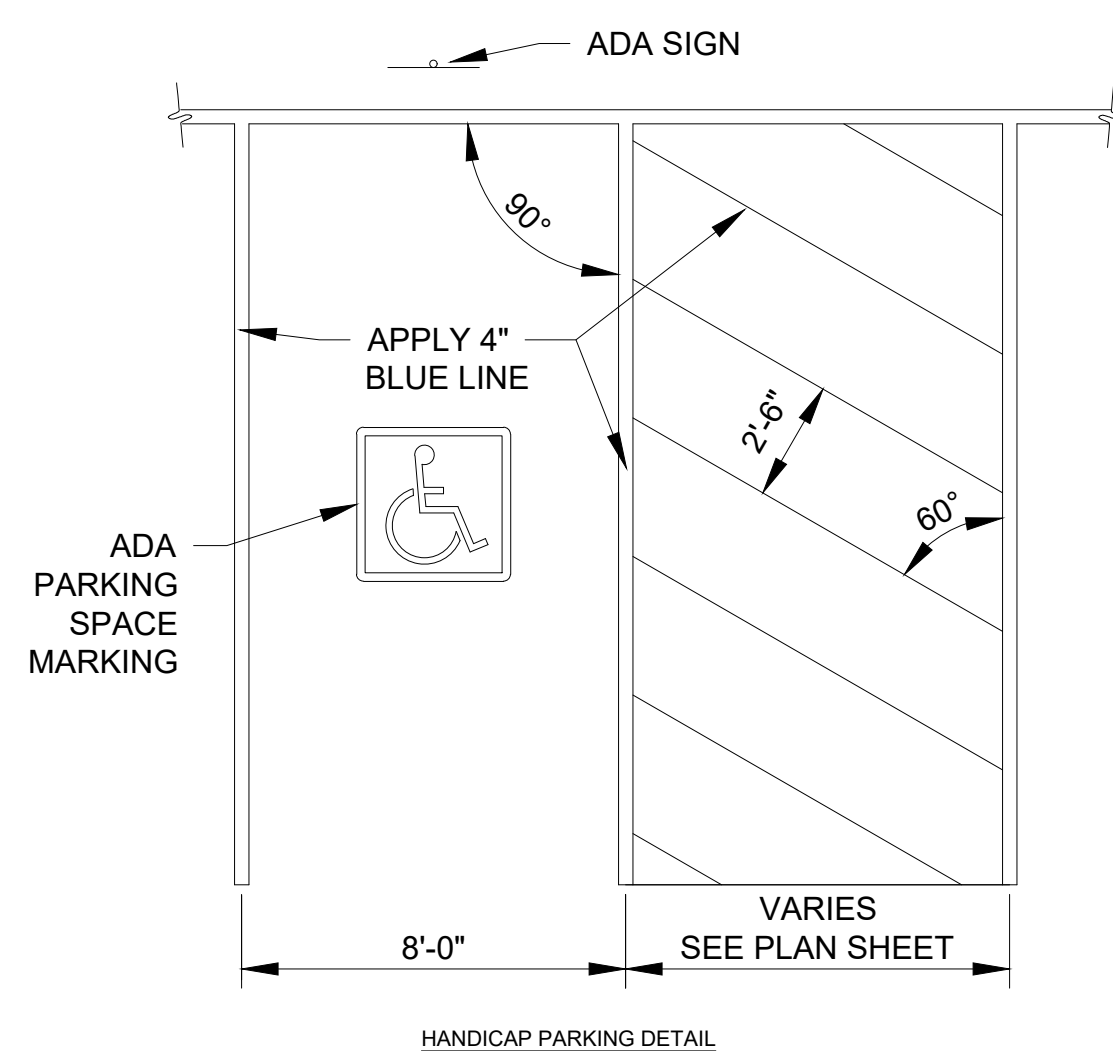
1. THE "DESIRED STOPPING POINT" IS THE LOCATION BASED ON SITE CONDITIONS THAT BEST ALLOWS THE STOPPED VEHICLE TO VIEW THE APPROACHING TRAFFIC.
2. STOP BAR MATERIAL TO BE THERMOPLASTIC. COLOR TO BE WHITE.
3. PAVEMENT MRKINGS SHALL COMPLY WITH THE SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



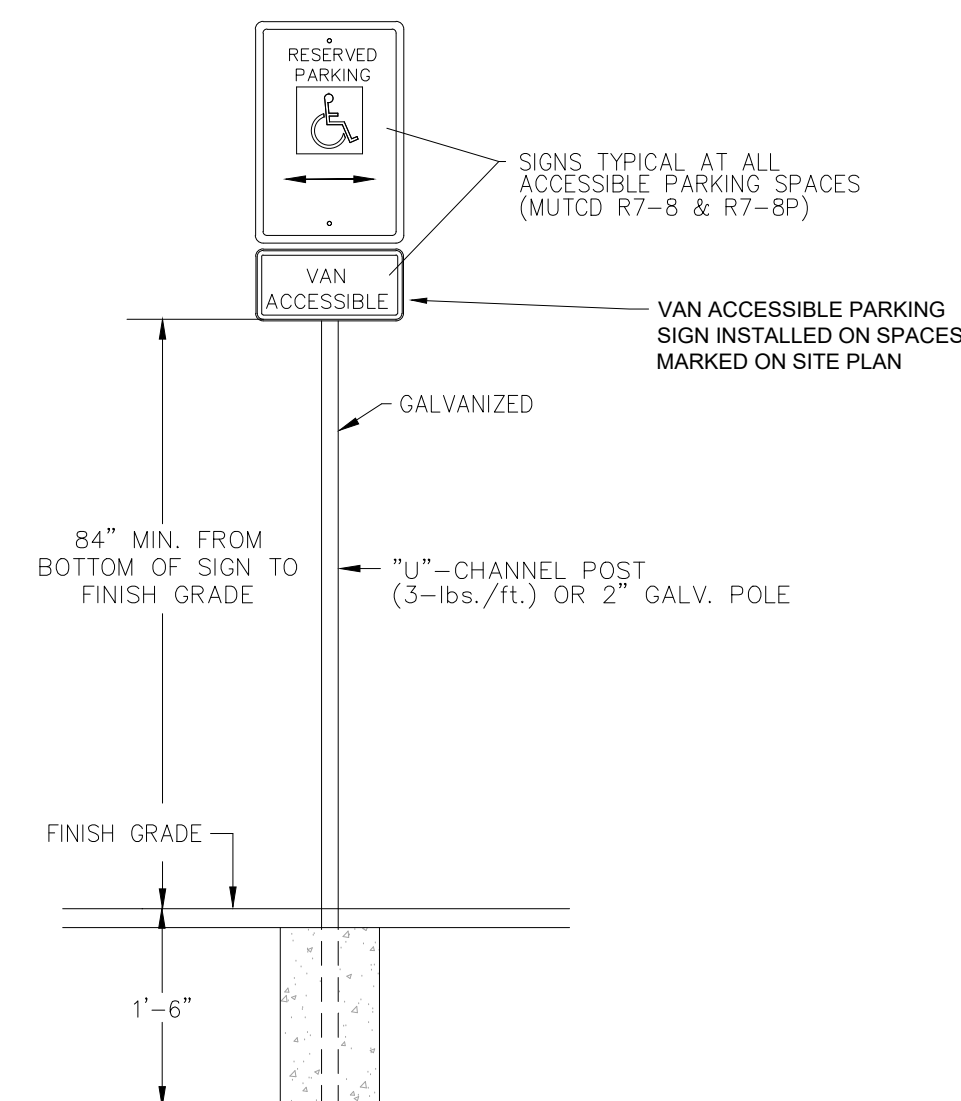
STOP BAR DETAIL
N.T.S.



90° PARKING SPACE
N.T.S.

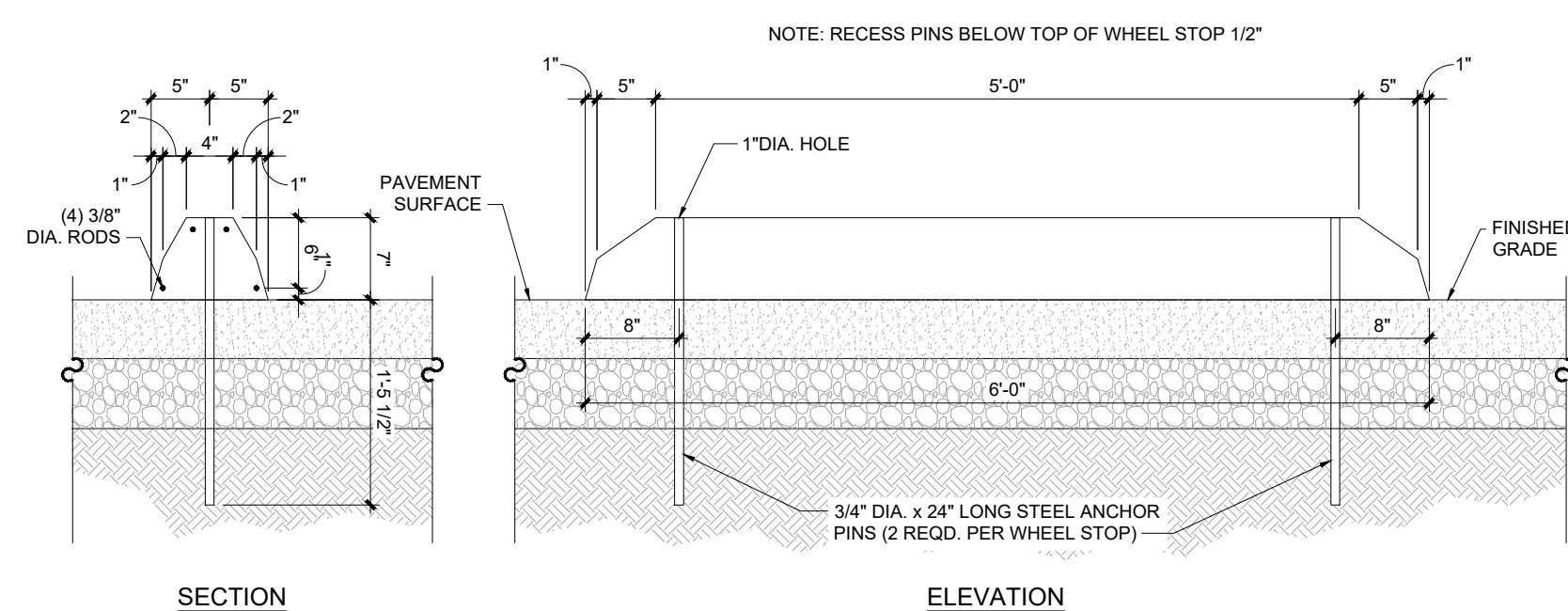


5 ADA - PARKING SPACE
N.T.S.



- NOTES:
1. BOTTOM OF HANDICAP PARKING SIGN TO BE MOUNTED MIN. 60" (5'-0") TO MAX 96" (8'-0"). PREFERRED HEIGHT IS 84" (7'-0") ABOVE FINISHED SURFACE TO BOTTOM OF SIGN.
 2. VAN ACCESSIBLE SIGNS ONLY REQUIRED AT VAN ACCESSIBLE SITES MINIMUM 1 PER FACILITY.
 3. REGULATORY SIGNAGE MUST ADHERE TO ALL REGULATIONS SET FORTH BY MUTCD.

CONCRETE WHEEL STOP



6 CONCRETE WHEEL STOP
N.T.S.

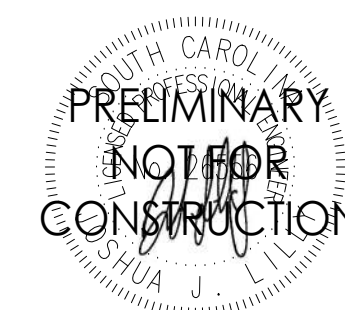
Legend

Notes

Revision

ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MW/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26

Permit-Seal



Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
SITE PLAN DETAILS

Project No.
215617641

Drawing No. Sheet Revision

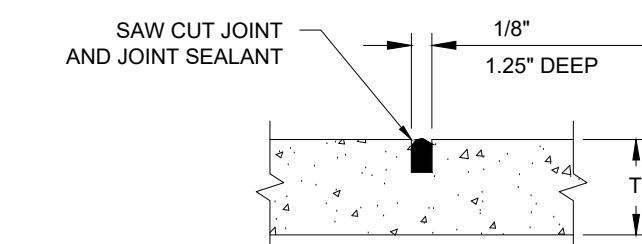
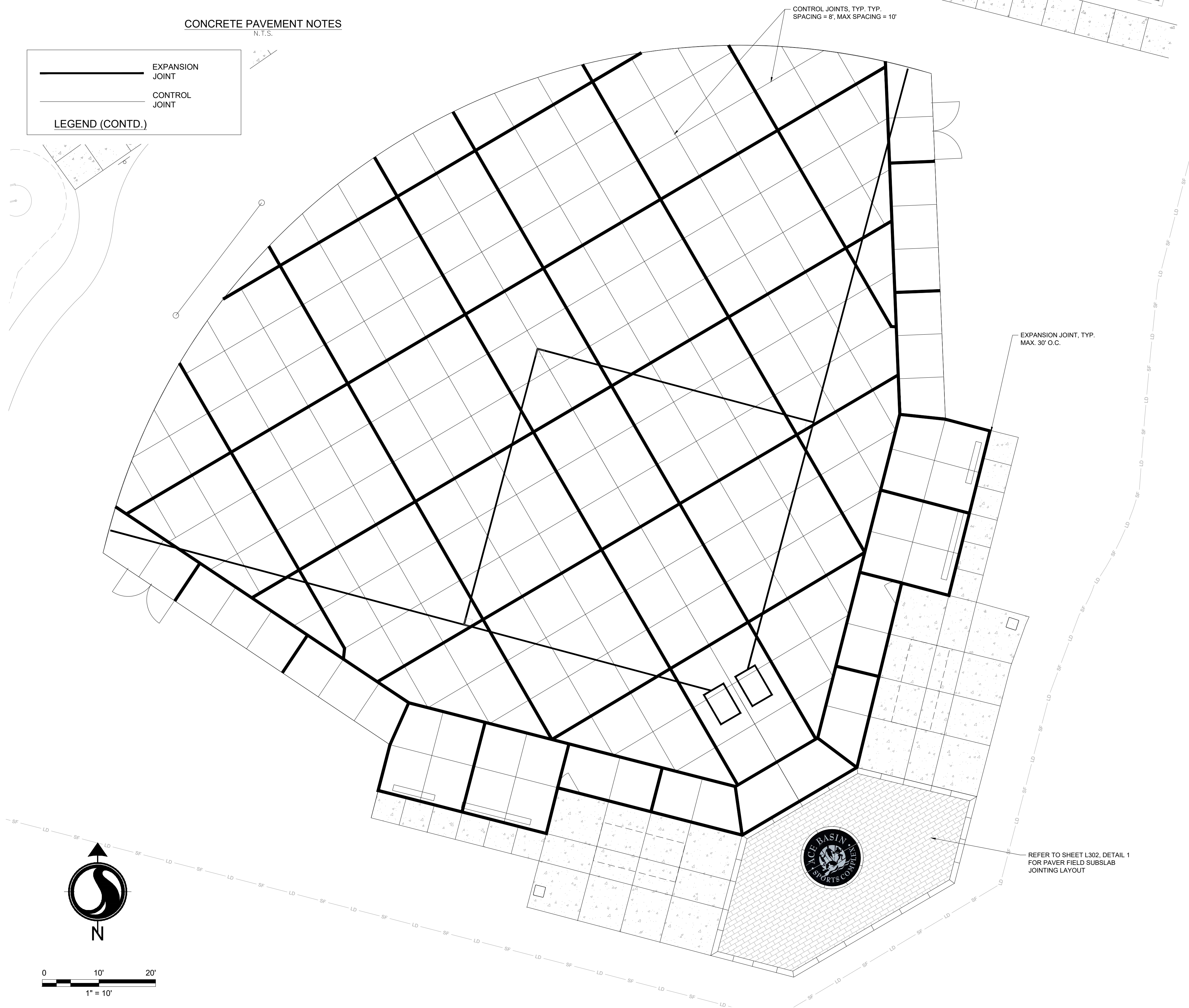
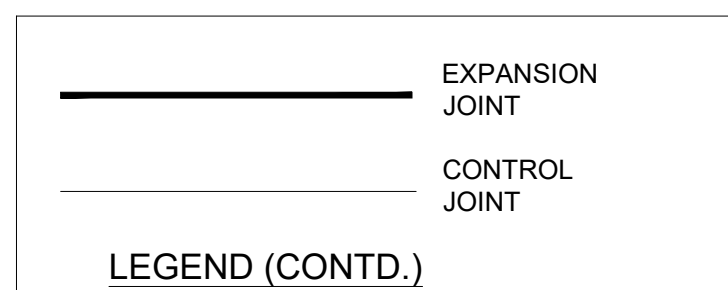
C500 1" = 20' Scale 8 of 18



NOTES:

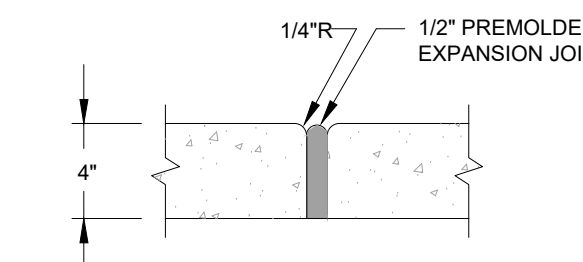
1. SCARIFY AND RECOMPACT EXISTING SOIL 12" BELOW AGGREGATE BASE COURSE (SCDOT SPEC, 208). CONTRACTOR SHALL VERIFY WITH GEOTECHNICAL ANALYSIS THAT THE EXISTING AGGREGATE BASE AND SUB BASE MATERIAL IS ADEQUATE FOR PROPOSED PAVEMENT SECTIONS AND SHALL REPLACE EXISTING AGGREGATE BASE AND SUB BASE MATERIAL WITH SUITABLE MATERIAL AS REQUIRED.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROOFROLL TESTING OF THE SUBGRADE SOILS AND THE AGGREGATE BASE COURSE. COMPACTION TESTS FOR THE SUBGRADE SOILS SHALL BE PROVIDED PRIOR TO THE PROOFROLLS. COMPACTION TESTS SHALL BE EVERY 50' ALONG THE PAVEMENT EDGES AS WELL AS EVERY 50' IN THE CENTER OF EACH DRIVE ISLE AND STAGGERED LOCATION. TESTS TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
3. IN THE EVENT THAT MULTIPLE CONCRETE POURS ARE REQUIRED, CONTRACTOR SHALL PROVIDE A MINIMUM OF 3 DAYS PRIOR TO SUBSEQUENT POURS ADJACENT TO A PREVIOUSLY POURED AREA. CONTRACTOR SHALL UTILIZE CONSTRUCTION JOINTS AT ALL EDGES OF INDEPENDENT CONCRETE POURS AND SHALL FURNISH AND INSTALL DOWELS IN ALL CONSTRUCTION JOINTS PER DETAILS.
4. CONTRACTOR SHALL ENSURE THAT AFTER THE COMPLETION OF CONCRETE APRON WORK THE AREA IS CLEANED AND DEBRIS IS PROPERLY REMOVED.
5. ALL JOINT SEALANT SHALL BE COLD APPLIED PER ASTM D 5893 SILICONE SEALANT, DOW CORNING PRODUCT 888 SILICONE JOINT SEALANT OR EQUAL.

CONCRETE PAVEMENT NOTES
N.T.S.



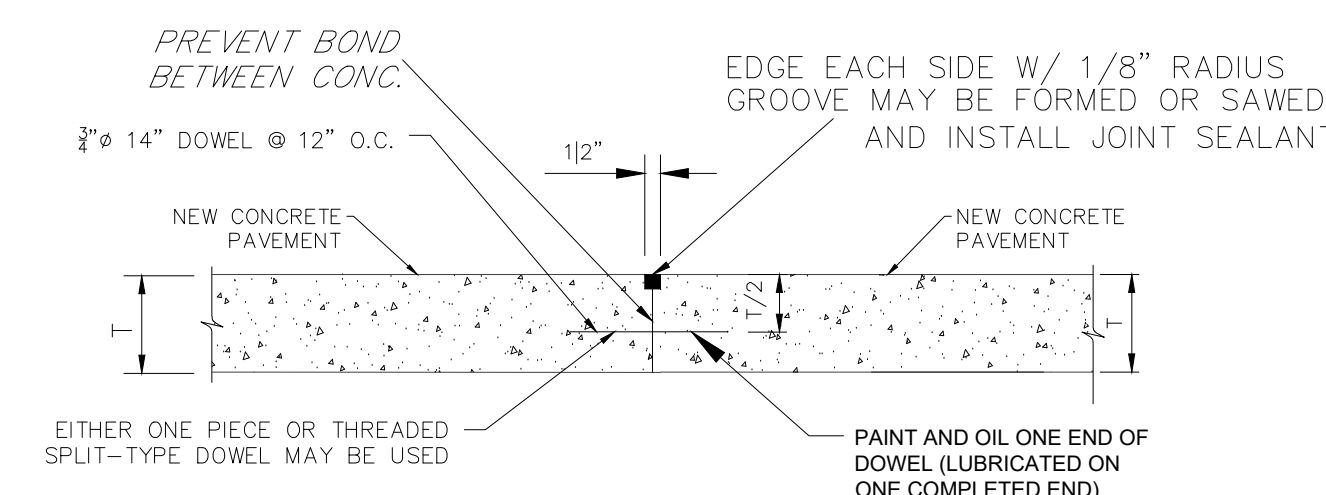
NOTE: EXECUTE SAW CUT NO LATER THAN 8 HOURS AFTER INITIAL CONCRETE PLACEMENT, BUT NOT SOONER THAN AS REQUIRED TO PREVENT SPALLING.
SEE CONCRETE PAVEMENT SECTION DETAIL, DETAIL 6 ON SHEET L300.

1 CONTROL JOINT
N.T.S.



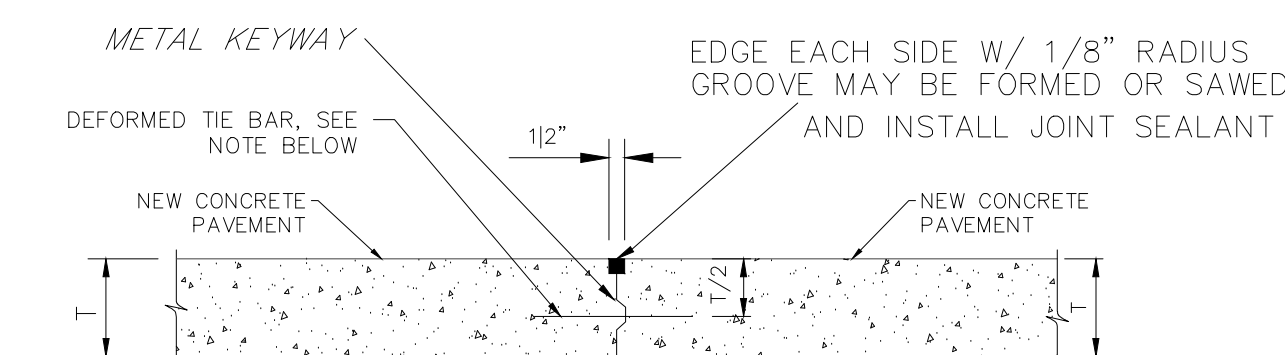
SEE CONCRETE PAVEMENT SECTION DETAIL, DETAIL 6 ON SHEET L300.

2 EXPANSION JOINT
N.T.S.



SEE CONCRETE PAVEMENT SECTION DETAIL, DETAIL 6 ON SHEET L300.

3 PLANNED CONSTRUCTION JOINT
N.T.S.



TIE BAR FOR ALL THICKNESSES OF CONCRETE SHALL BE #4, 30\"/>

SEE CONCRETE PAVEMENT SECTION DETAIL, DETAIL 6 ON SHEET L300.

4 UN-PLANNED CONSTRUCTION JOINT
N.T.S.

Legend

Notes

Revision

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MW/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26

Issued

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project
COLLETON COUNTY

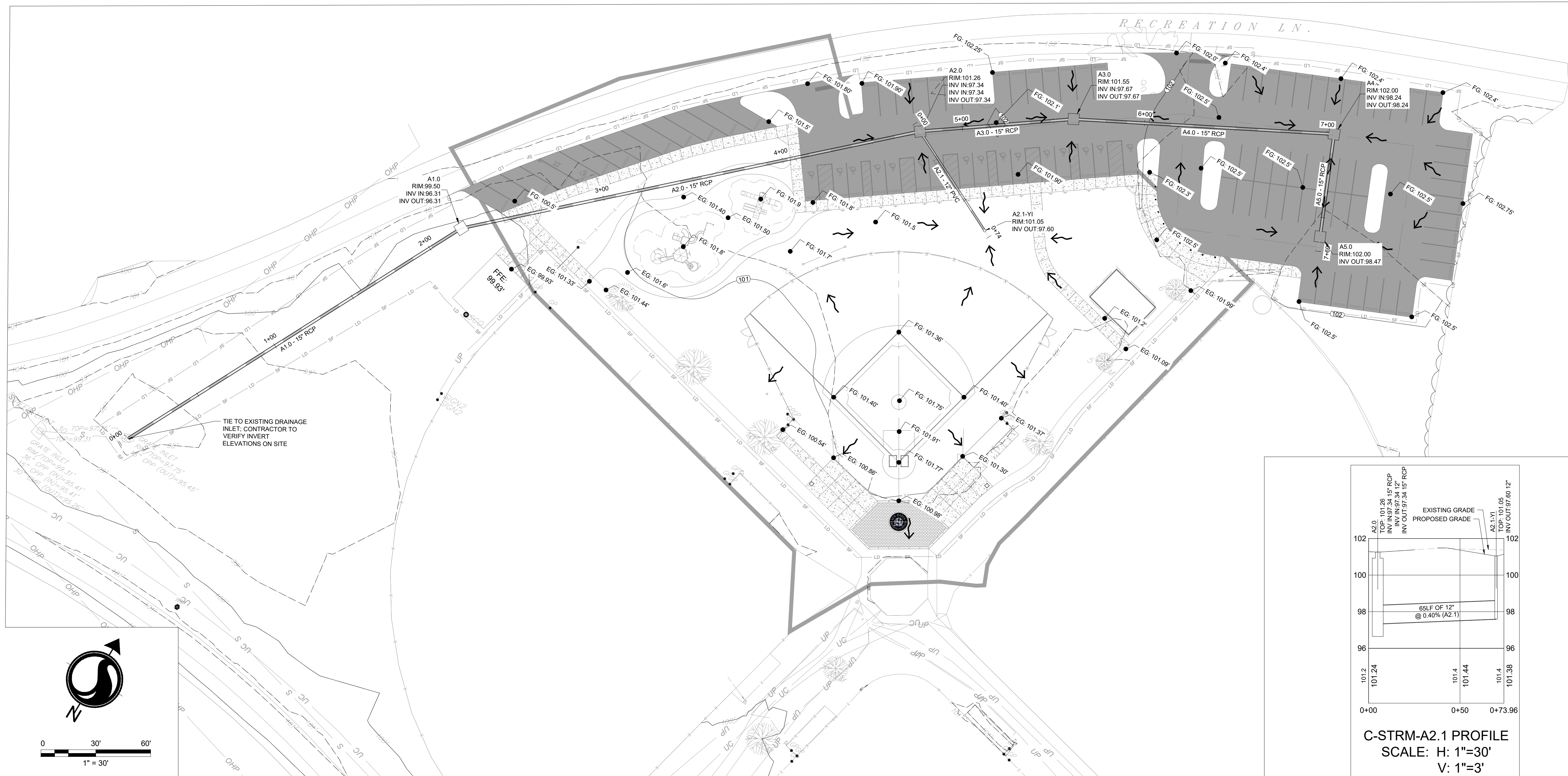
ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
FIELD CONCRETE JOINT PLAN

Project No.	Scale	
215617641	1" = 10'	
Drawing No.	Sheet	Revision

C600 9 of 18 0





Legend

- FG-102.75' FUTURE GRADE SPOT SHOT
- EG-102.75' EXISTING GRADE SPOT SHOT
- 102' PROPOSED CONTOUR
- 102' EXISTING CONTOUR
- PROPOSED DRAINAGE ARROW

Notes

Revision

Revision	By	Appd.	YF.MM.DD

Permit-Seal

File Name: _____ Dwn. Chkd. Dsgn. YF.MM.DD

Client/Project

COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title

GRADING AND DRAINAGE PLAN

Project No.

215617641

Drawing No.

C700

Scale

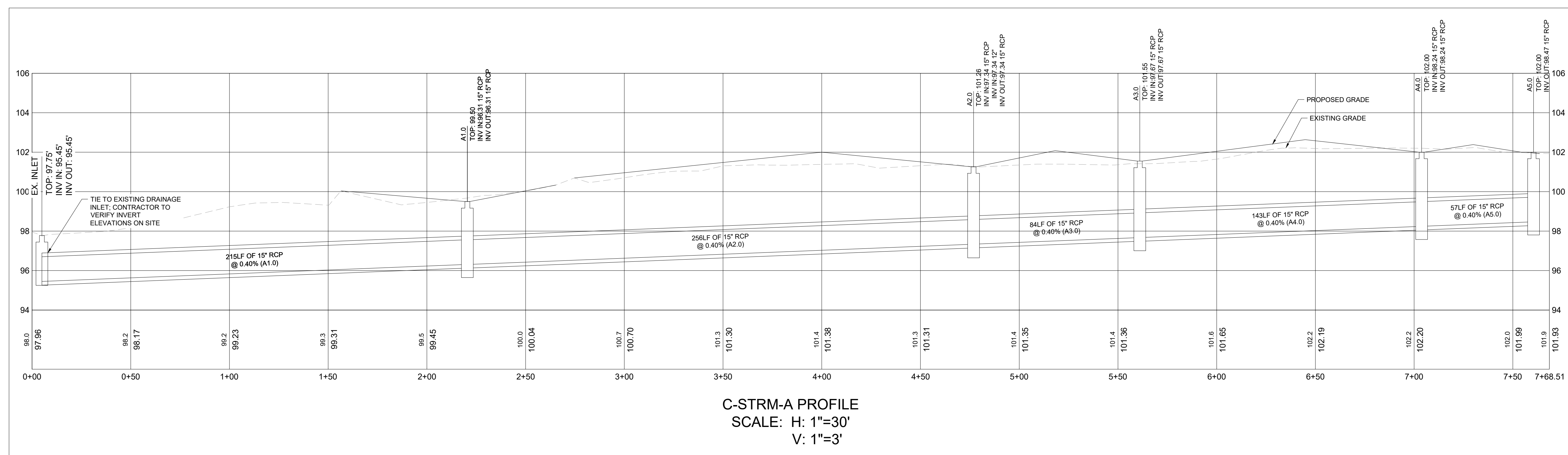
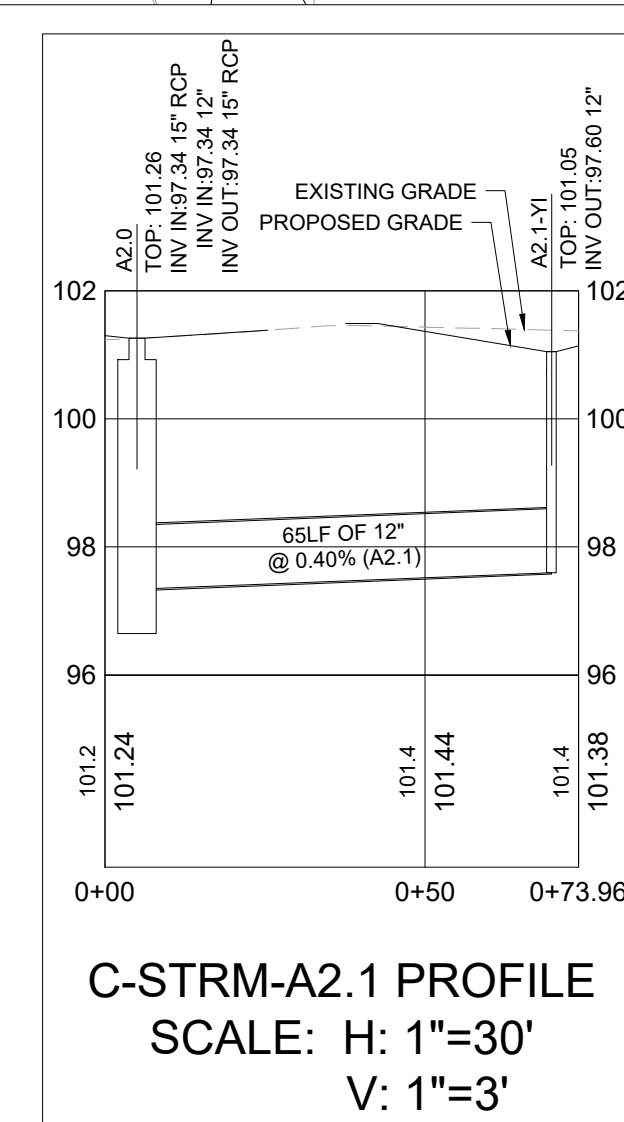
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Sheet

10 of 18

Revision

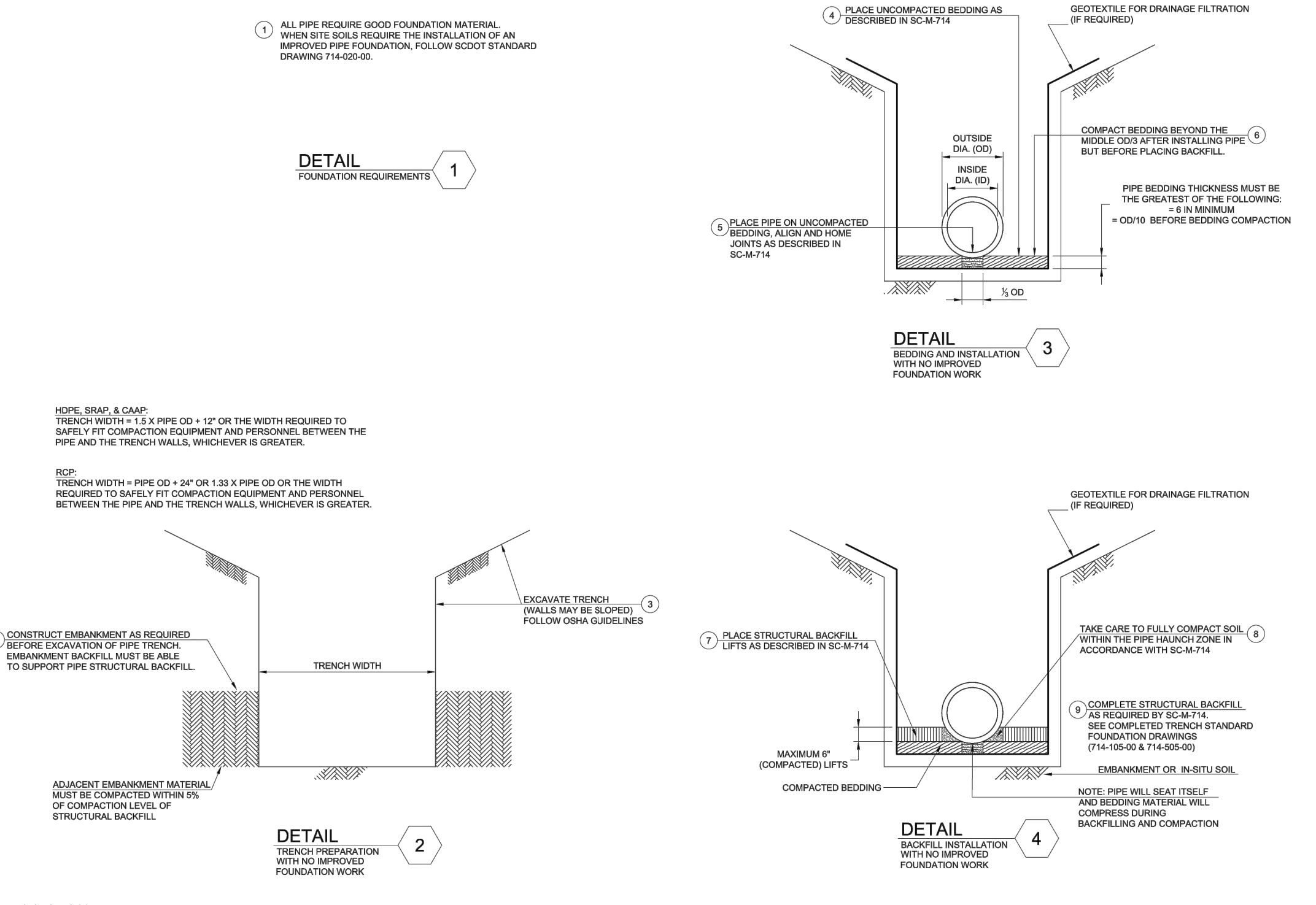
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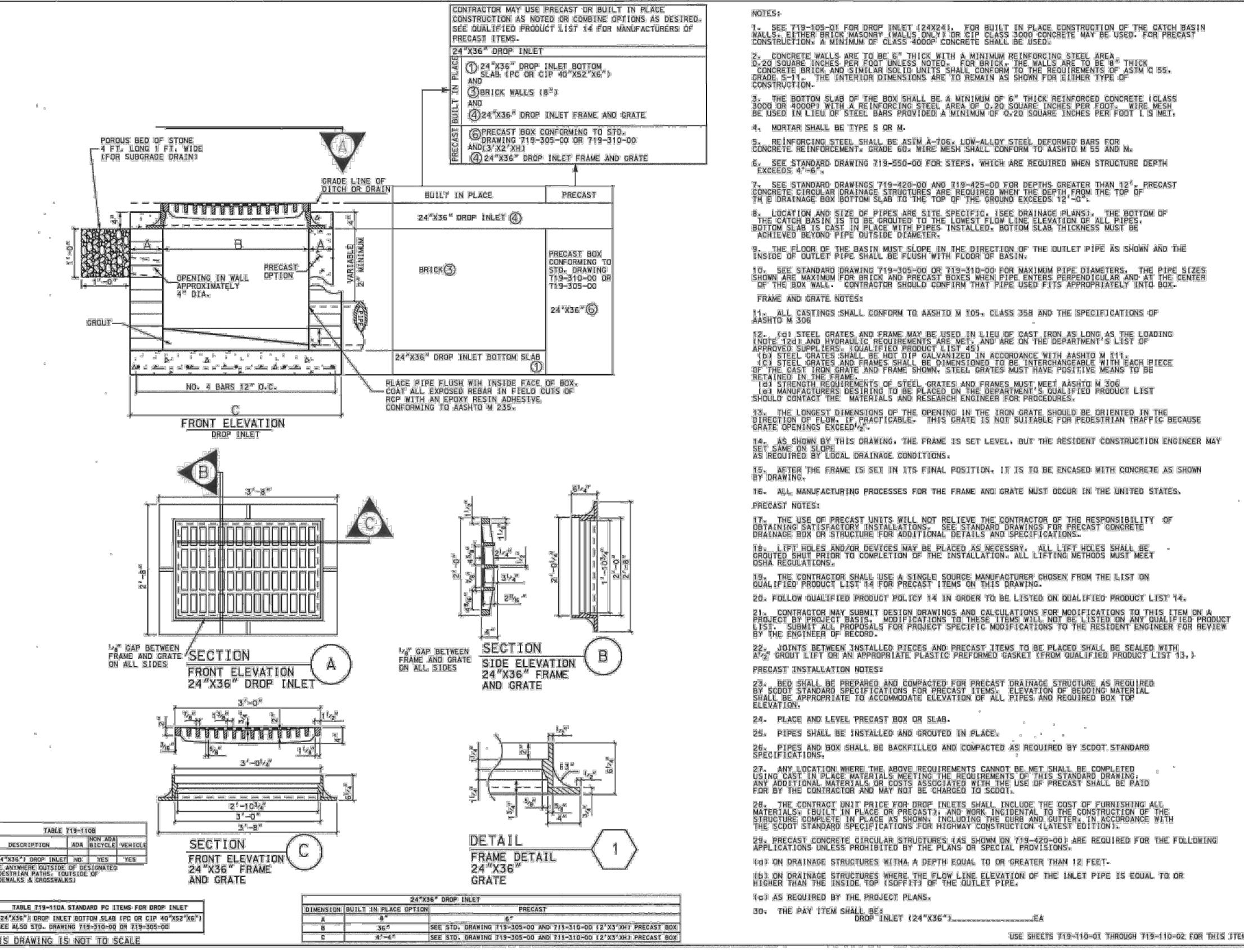
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REFERENCES																																				
NATIONAL DOCUMENTS																																				
OSHA																																				
SCDOT DOCUMENTS																																				
SCM-714	PCOM-88																																			
RELATED DRAWINGS & KEYWORDS																																				
714-005-00																																				
714-004-00																																				
714-006-00																																				
THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.GOV FOR LATEST UPDATES.																																				
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DATE: 11/09/20																																				
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PIPE CULVERTS (PIPE TRENCH TYPICAL PREPARATIONS)																																				
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NATIONAL DOCUMENT																																				
ASTM C55, ASTM A306, ASTM B31, ASTM W18, ASTM W19, ASTM W20, ASTM W21																																				
SCDOT DOCUMENTS																																				
AS PER PROJECT LIST 14, QUALIFIED PRODUCT LIST 14																																				
PRECONSTRUCTION SUPPORT ENGINEER																																				
SIGNATURE: <i>Ina Sylvester</i>																																				
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DROP INLET (24"x36") DETAILS																																				
719-110-01																																				
EFFECTIVE LITTING DATE: MAY 2009 THIS DRAWING IS NOT TO SCALE																																				



Legend

Notes

Revision	By	Appd.	YY.MM.DD

ISSUED FOR BID
SCDHEC Submittal
75% CDs
Issued

By: *JDH* J.L. 24.01.11
By: *MVC/CC* J.L. 23.06.09
By: *HXXV* J.L. 23.05.26
Appd.: *J.L.* YY.MM.DD

Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
GRADING AND DRAINAGE DETAILS

Scale
1" = 20'

Project No.
215617641

Drawing No.
C701

Sheet
11 of 18

Revision
0

Legend

Notes

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Issued	By	Appd.	YFMM.DD

File Name:	Dwn.	Chkd.	Dgn.	YFMM.DD

Permit-Seal



Client/Project

COLLETON COUNTY

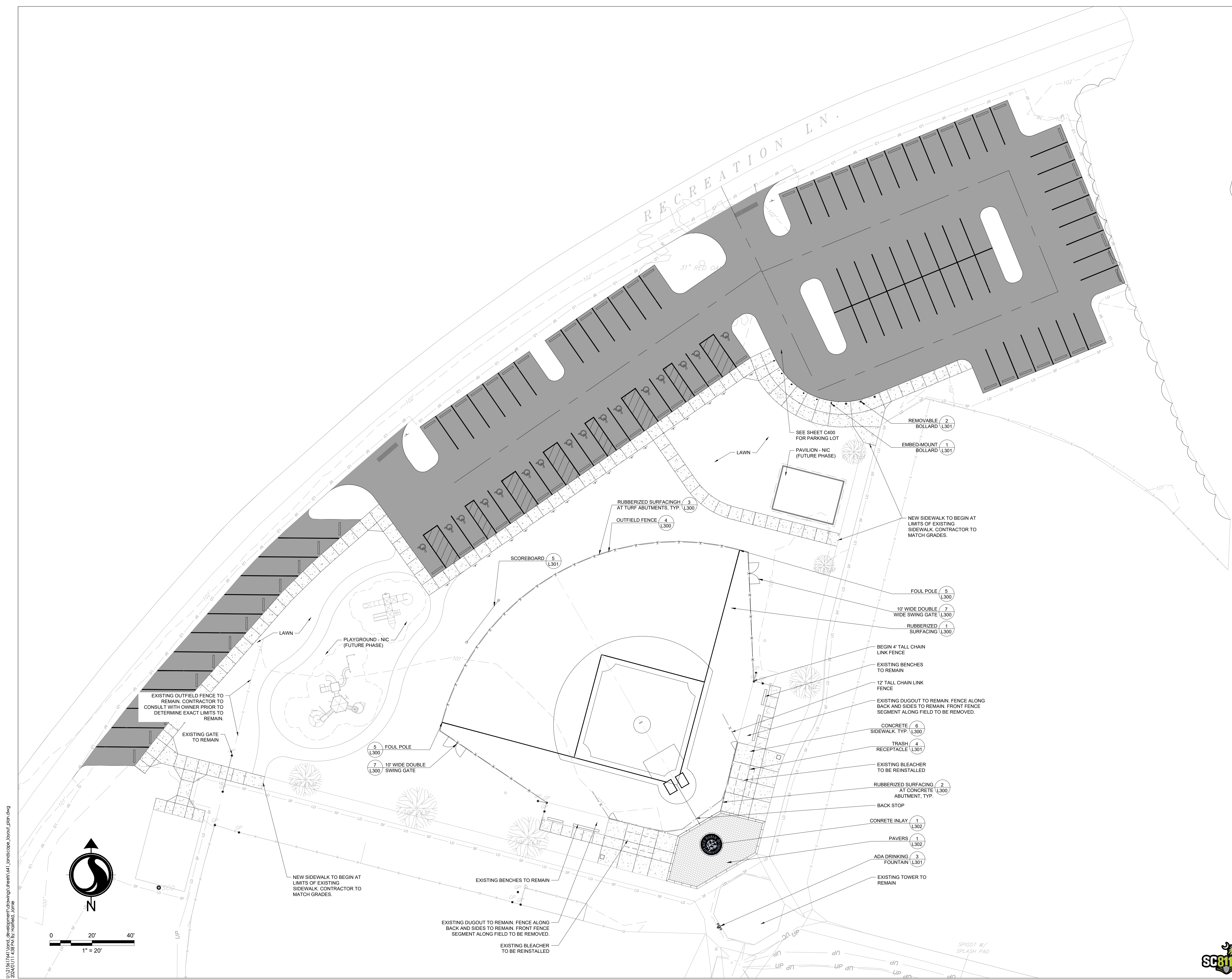
ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title

LANDSCAPE KEY PLAN

Project No.	Scale
215617641	1" = 20'

Drawing No.	Sheet	Revision
L100	12 of 18	0



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2024/01/11 4:38 PM By: Harfield, Jame



Legend

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Issued

File Name:

Permit-Seal



Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

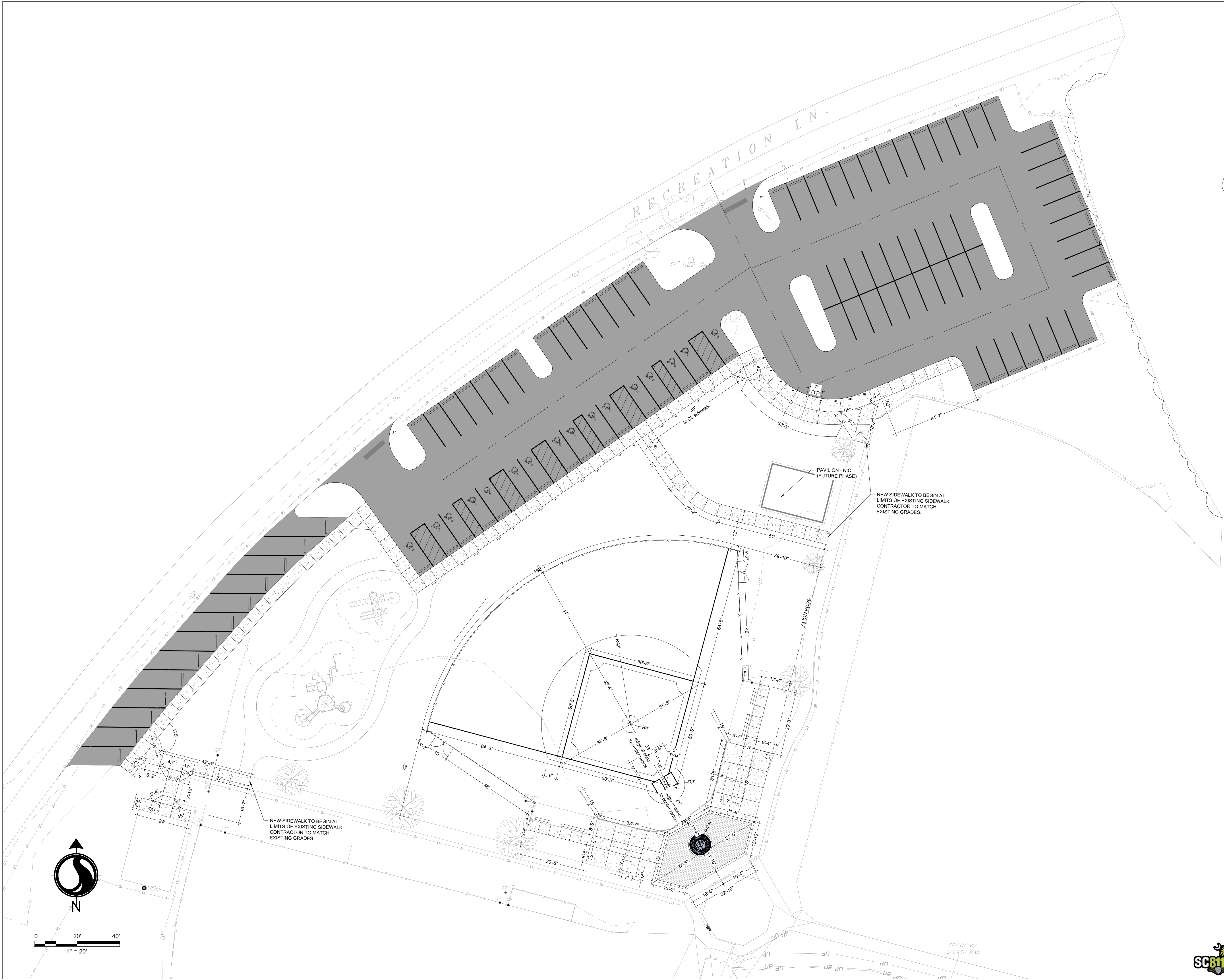
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Project No. 215617641
Drawing No. L101

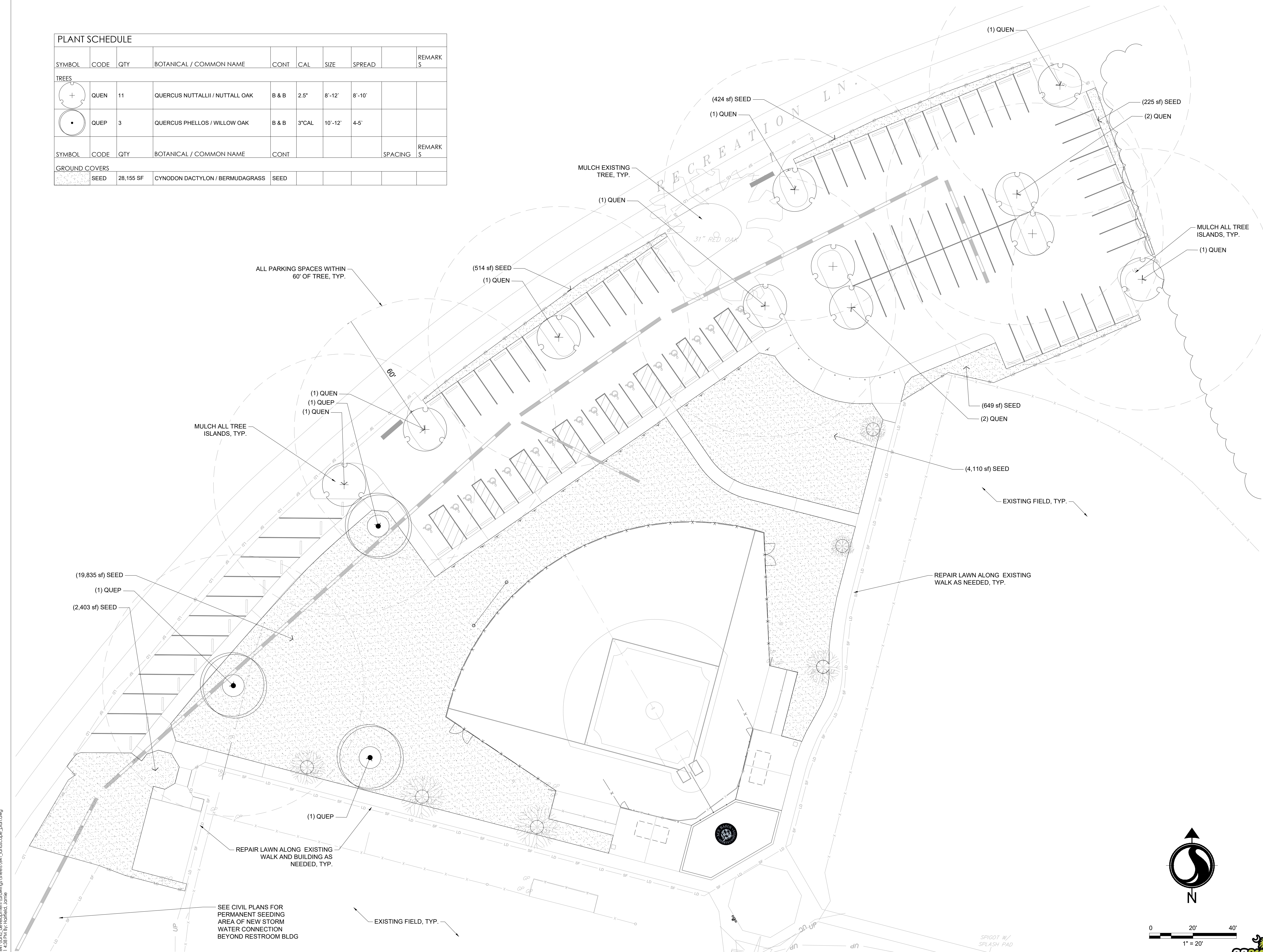
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Sheet 13 of 18
Revision 0

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2024/01/11 4:38 PM By: Hairfield, Jame

ORIGINAL SHEET - ARCHD



PLANT SCHEDULE									
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPREAD		REMARKS
TREES									
	QUEN	11	QUERCUS NUTTALLII / NUTTALL OAK	B & B	2.5"	8'-12'	8'-10'		
	QUEP	3	QUERCUS PHELLOS / WILLOW OAK	B & B	3" CAL	10'-12'	4-5'		
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT				SPACING	REMARKS
GROUND COVERS									
	SEED	28,155 SF	CYNODON DACTYLON / BERMUDAGRASS	SEED					



Legend

Notes

LANDSCAPE REQUIREMENTS:
COLLETON COUNTY, SC

- PARKING LOT LANDSCAPING, TYPE C**
- EVERY PARKING SPACE SHALL BE LOCATED WITHIN 60 FEET OF TREE BASE. EXISTING VEGETATION IS ENCOURAGED FOR SATISFYING THIS REQUIREMENT.
 - PLANTING AREA SHALL BE MINIMUM 48 SF AND 7 FOOT MINIMUM WIDTH.

Revision

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
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75% CDs	MXV	JL	23.05.26
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Permit-Seal



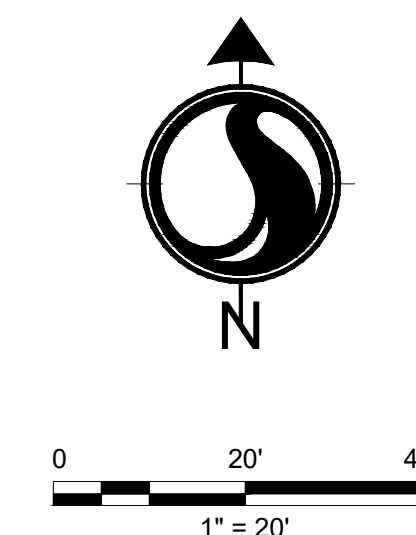
Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
PLANTING PLAN

Project No.	Scale	
215617641	1" = 20'	
Drawing No.	Sheet	Revision

L200 14 of 18 0

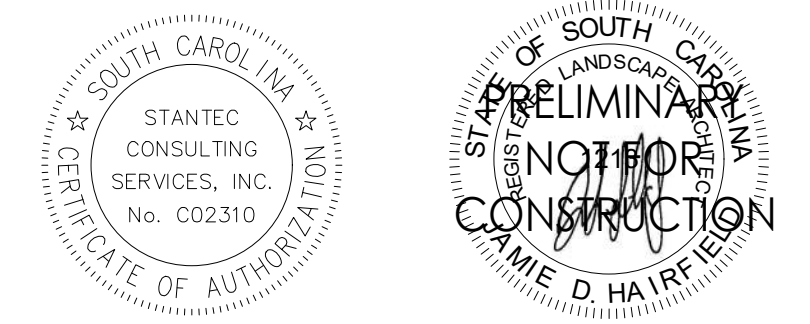


U:\215617641\land_development\Drawings\Sheets\41_Landscape_Plan.dwg 2024/01/11 4:38 PM By: Hairfield, James ORIGINAL SHEET - ARCHD

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MW/CC	JL	23.06.09
75% CDs	mxv	JL	23.05.26
Issued	By	Appd.	YY.MM.DD

File Name: _____ Dwn. Chkd. Dgn. YY.MM.DD

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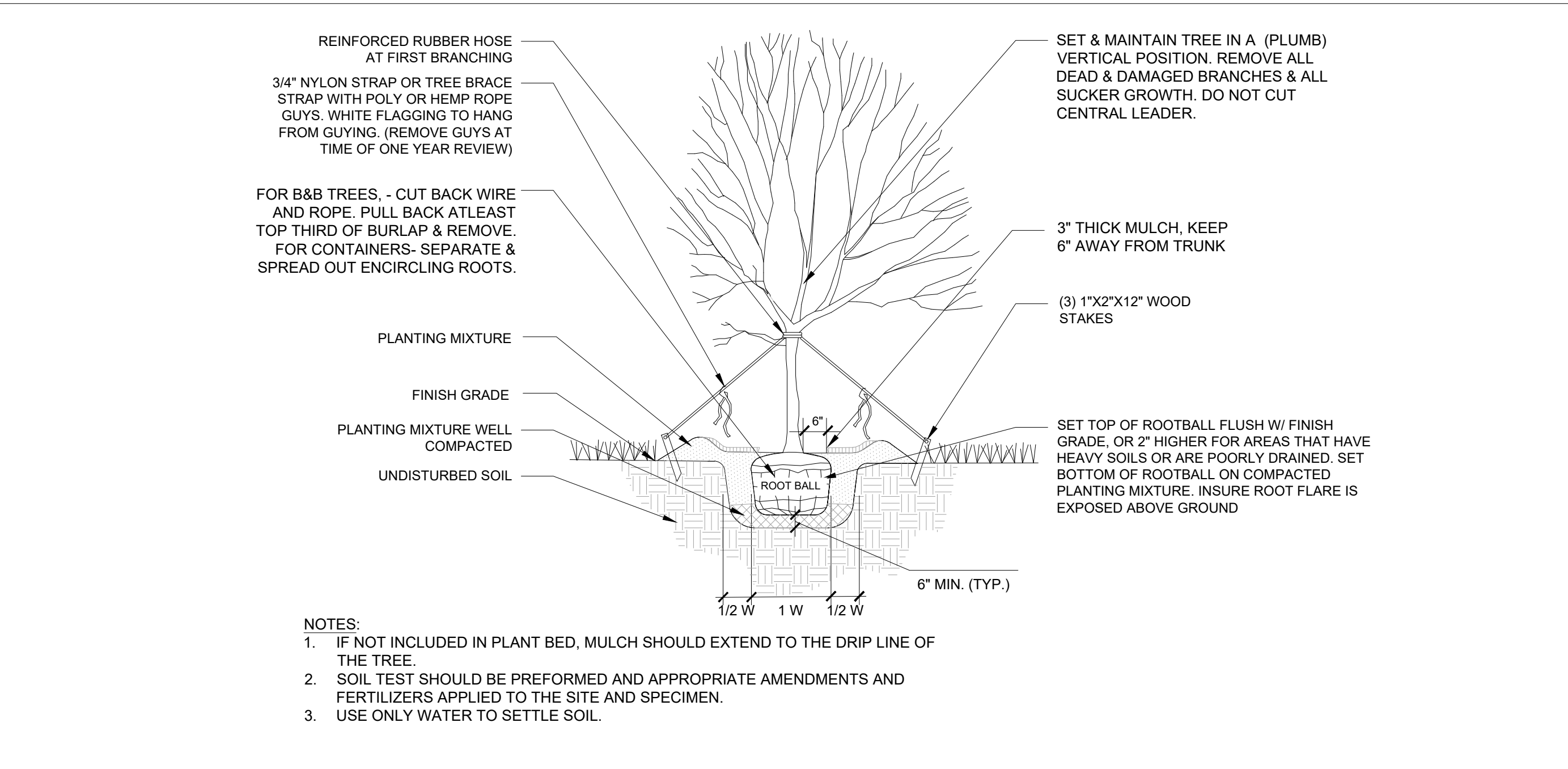


Client/Project
COLLETON COUNTY

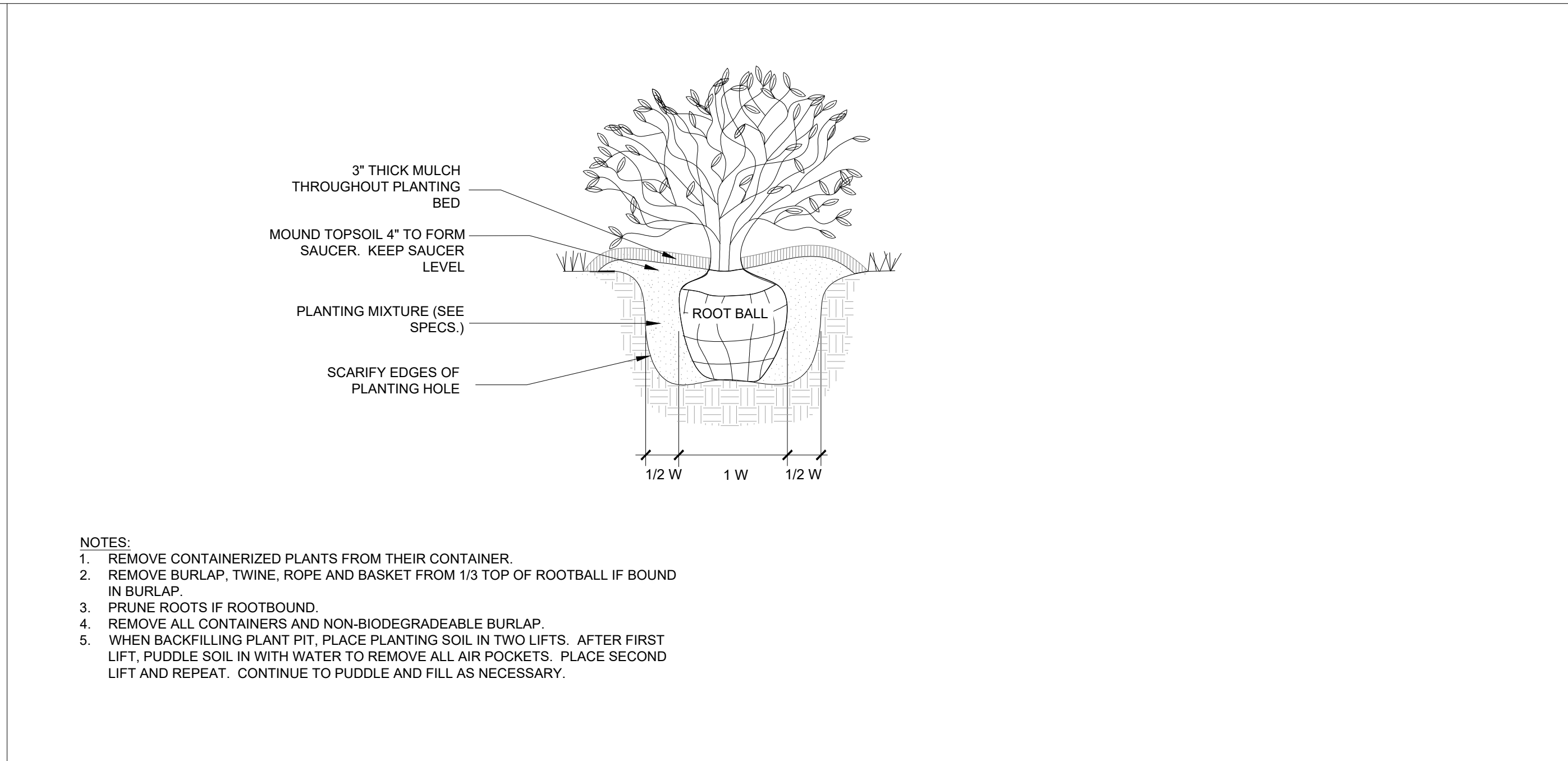
ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
LANDSCAPE DETAILS

Project No. 215617641	Scale varies
Drawing No. L201	Sheet 15 of 18
	Revision 0



1 TREE PLANTING DETAIL
NTS



2 SHRUB PLANTING DETAIL
NTS

GENERAL LANDSCAPE NOTES:

- LANDSCAPE CONTRACTOR (CONTRACTOR) SHALL VISIT SITE, VERIFY FIELD CONDITIONS, AND REVIEW PROPOSED PLANTINGS AND RELATED WORK.
- LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE ARCHITECT OR OWNER/OWNER REPRESENTATIVE.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITY LOCATIONS ON PROPERTY WITH THE GENERAL CONTRACTOR AND BY CALLING LOCAL ONE-CALL OR SC-811 UTILITY LOCATOR PRIOR TO STAKING PLANT LOCATIONS. DAMAGE TO UTILITIES AND PERSONAL INJURY AS A RESULT OF FAILURE TO DETERMINE AND/OR RESPECT UTILITY LOCATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. UTILITY LOCATIONS MAY NOT BE SHOWN ON THESE PLANS.
- IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, BEFORE ORDERING OR PURCHASING MATERIALS, TO PROVIDE SAMPLES OF THOSE MATERIALS TO THE PROJECT LANDSCAPE ARCHITECT OR OWNER/OWNER REPRESENTATIVE FOR APPROVAL IF SO REQUESTED. SAMPLE REQUESTS SHALL ALSO INCLUDE ANY AND ALL APPLICABLE PHYTOSANITARY CERTIFICATIONS AND STATE ISSUED CERTIFICATES WHEN MOVING REGULATED ITEMS.
- NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE LANDSCAPE CONTRACTOR PRIOR TO INSTALLATION.
- LANDSCAPE CONTRACTOR TO SUBMIT CERTIFICATION FOR GRASS SEED FOR APPROVAL FROM VENDOR FOR EACH GRASS SEED MONSTAND OR MIXTURE, STATING THE BOTANICAL AND COMMON NAME, PERCENTAGE BY WEIGHT OF EACH SPECIES AND VARIETY, AND PERCENTAGE OF PURITY, GERMINATION, AND WEED SEED. INCLUDE THE YEAR OF PRODUCTION AND DATE OF PACKAGING. SEED TESTING RESULTS SHALL SHOW LESS THAN 0.2% OF ANY OTHER SPECIES BESIDES BERMUDA GRASS. ANY MIX INDICATIONS GREATER THAN 0.2% OTHER SPECIES SHALL NEED REVIEWED BY LANDSCAPE ARCHITECT AND OWNER.
- LANDSCAPE CONTRACTOR TO COORDINATE PLANTING AND RELATED INSTALLATIONS WITH GENERAL CONTRACTOR AND OTHER CONTRACTORS WORKING ON SITE. WORK MUST BE CARRIED OUT ONLY DURING WEATHER CONDITIONS FAVORABLE TO LANDSCAPE CONSTRUCTION AND TO THE HEALTH AND WELFARE OF PLANTS. NO WORK TO BE CARRIED OUT DURING FREEZING TEMPERATURES OR WHEN GROUND IS SATURATED AFTER HEAVY RAIN EVENTS.
- PLANT MATERIAL LOCATIONS SHOWN ARE DIAGRAMMATIC AND MAY BE SUBJECT TO CHANGE IN THE FIELD AS NEEDED AND APPROVED BY LANDSCAPE ARCHITECT. IF DISCREPANCY BETWEEN PLAN AND PLANT LIST, THE PLAN SHALL GOVERN QUANTITIES. CONTRACTOR TO VERIFY QUANTITIES SHOWN ON PLAN. SUBSTITUTIONS WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL BY LANDSCAPE ARCHITECT AND OWNER.
- UNLESS OTHERWISE AUTHORIZED BY THE OWNER, THE LANDSCAPE CONTRACTOR SHALL PROVIDE NOTICE OF AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF THE ANTICIPATED DELIVERY DATE OF ANY PLANT MATERIALS TO THE PROJECT SITE. A LEGIBLE COPY OF THE INVOICE, SHOWING COMPLETE NAMES AND SIZES OF MATERIALS INCLUDED FOR EACH SHIPMENT, SHALL BE FURNISHED TO THE PROJECT LANDSCAPE ARCHITECT OR OWNER. THE PROJECT LANDSCAPE ARCHITECT OR OWNER RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND PLACE.
- ALL LANDSCAPE PLANTING BEDS AND TREE RINGS SHALL BE MULCHED WITH MULCH TO A DEPTH OF NO LESS THAN 3", AND CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE FROM ALL PLANT BEDS AND NEW CONSTRUCTION.
- ALL PLANT MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN ASSOCIATION OF NURSERYMEN. PRUNE, THIN AND SHAPE TREES AND SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES PRIOR TO PLANTING.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- MAINTENANCE SHALL INCLUDE WATERING, WEEDING, REPLACEMENT OF WASH-OUTS AND OTHER OPERATIONS NECESSARY TO KEEP SOIL IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE, THE OWNER WILL ASSUME ALL MAINTENANCE RESPONSIBILITIES.
- WARRANTY FOR LANDSCAPE MATERIALS SHALL BE FOR ONE CALENDAR YEAR AND BEGIN ON THE DATE OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS WITH ALL REPLACEMENTS AT NO ADDITIONAL COST TO THE OWNER. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED. LANDSCAPE CONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR THE OWNER'S ACCEPTANCE INSPECTION. OWNER OR OWNER'S REPRESENTATIVE SHALL INSPECT LANDSCAPE INSTALLATION AND HAVE THE RIGHT TO REJECT AND WITHHOLD PAYMENT ON ANY PLANT MATERIAL(S) OF DAMAGED OR POOR QUALITY OR NOT MEETING SPECIFICATIONS. CONTRACTOR SHALL REMOVE AND REPLACE DEAD PLANT MATERIAL (25% + DEAD) IMMEDIATELY UNLESS REQUIRED TO PLANT IN THE SUCCEEDING PLANTING SEASON. A LIMIT OF ONE REPLACEMENT OF EACH TREE AND SHRUB WILL BE REQUIRED, EXCEPT FOR LOSSES CAUSED BY CONTRACTOR'S ERRORS.
- LANDSCAPE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITY UNTIL FINAL ACCEPTANCE HAS BEEN RECEIVED. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, REPLACEMENT OF WASH-OUTS AND OTHER OPERATIONS NECESSARY TO KEEP SOIL IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE, THE OWNER WILL ASSUME ALL MAINTENANCE RESPONSIBILITIES.
- LANDSCAPE CONTRACTOR TO REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL EROSION AND DUST CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION. THE LANDSCAPE CONTRACTOR SHALL PREVENT EROSION OF SOIL AND ENTRY OF SOIL-BEARING WATER AND AIRBORNE DUST ONTO ADJACENT PROPERTIES AND INTO THE PUBLIC STORM WATER FACILITIES.
- NO PLANTING TO BE INSTALLED UNTIL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA. GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF CONSTRUCTION DEBRIS AND STONE OR ROCKS MEASURING LARGER THAN 2" DIAMETER. LANDSCAPE CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR ABOUT TIMING OF PLANTING AND SEEDING/SODDING DISTURBED AREAS WITH REMOVAL OF CONSTRUCTION FENCING TO PREVENT EROSION AND DAMAGE TO EXISTING PROTECTED TREES. NO CUTTING, FILLING OR TRESPASSING SHALL OCCUR INSIDE TREE PROTECTION FENCED AREAS WITHOUT APPROVAL.
- IF THE LANDSCAPE CONTRACTOR PERCEIVES ANY DEFICIENCIES IN THE PLANT SELECTIONS, SOIL CONDITIONS, OR ANY OTHER SITE CONDITION WHICH MIGHT NEGATIVELY AFFECT PLANT MATERIAL ESTABLISHMENT, SURVIVAL, OR GUARANTEE, THEY SHALL BRING THESE DEFICIENCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- SOD ALL AREAS DISTURBED DUE TO GRADING AND CONSTRUCTION ACTIVITIES WHERE SOD ABUTS PAVED SURFACES. THE FINISHED GRADE OF SOD SHALL BE HELD 1/2" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC. SOD SHALL BE LAID PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES, THE SOD SHALL BE STAKED TO THE GROUND.
- ALL PLANTS TO BE INSTALLED AS PER PLANTING DETAILS. PLANT MATERIALS ARE TO BE PLANTED IN THE SAME RELATIONSHIP TO GRADE AS WAS GROWN IN NURSERY CONDITIONS. IF WET CLAY SOILS OR POOR DRAINING SOILS ARE EVIDENT, PLANT HIGHER. REMOVE ALL TWINE, WIRE AND BURLAP FROM TOP 1/3 OF ROOT BALL AND FROM TREE TRUNKS.
- IMMEDIATELY MULCH AND WATER ALL PLANTS AND TREES OR COMPLETE WITHIN 16 HOURS AFTER INSTALLATION.
- ONE SHRUB PER TYPE AND SIZE IN EACH PLANTING BED AND EVERY TREE SHALL BE CLEARLY IDENTIFIED (COMMON OR LATIN NOMENCLATURE) WITH A PLASTIC TAG WHICH SHALL NOT BE REMOVED PRIOR TO OWNER ACCEPTANCE.
- SOD OR SEED ALL AREAS DISTURBED DUE TO GRADING AND CONSTRUCTION ACTIVITIES. IF SODDING, THEN WHERE SOD ABUTS PAVED SURFACES, THE FINISHED GRADE OF SOD SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC. SOD SHALL BE LAID PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES, THE SOD SHALL BE STAKED TO THE GROUND.
- EXISTING SOIL SHALL BE TESTED AND SOIL AMENDMENTS ADDED AS DIRECTED BY QUALIFIED SOILS LABORATORY. WHEN MIXING SOIL ON SITE, THEN SOIL MIXTURE SHALL BE 40% TOPSOIL, 40% PEAT MOSS, AND 20% SANDY LOAM.
- LANDSCAPE CONTRACTOR TO PROVIDE WATERING METHOD FOR ALL NEW PLANT MATERIAL AND THROUGH ESTABLISHMENT, MAINTENANCE, AND WARRANTY PERIODS. ALL LANDSCAPE SHALL BE WATERED THROUGH ESTABLISHMENT AND DURING PERIODS OF DROUGHT. WHEN PERMANENT IRRIGATION IS TO BE INSTALLED, THEN TO BE 100% HEAD TO HEAD COVERAGE. CONTRACTOR TO SUBMIT IRRIGATION PLANS FOR REVIEW & APPROVAL BY LANDSCAPE ARCHITECT.

PROTECTION OF EXISTING VEGETATION NOTES:

- PRIOR TO COMMENCING WORK, ALL EXISTING VEGETATION TO REMAIN MUST BE PROTECTED FROM IMPACTS OF PROPOSED CONSTRUCTION WITH THE INSTALLATION OF TREE PROTECTION FENCING PER FINAL PLAN SET, INCLUDING SITE AND GRADING PLANS.
- NO VEHICLE, EQUIPMENT, DEBRIS, OR OTHER MATERIALS SHALL BE DRIVEN, PARKED, OR PLACED WITH THE TREE PROTECTION ZONE IN ORDER TO AVOID DAMAGE TO ROOTS, BARK, OR LOWER BRANCHES OF ALL EXISTING TREES TO REMAIN TO BE FERTILIZED AND PRUNED TO REMOVE DEAD WOOD AND DAMAGED OR RUBBING BRANCHES.
- IN RARE INSTANCES WHERE EXCAVATING, FILL, OR GRADING IS REQUIRED WITHIN THE DRIP-LINE OF TREES TO REMAIN, WORK SHALL BE PERFORMED AS FOLLOWS:
 - WHEN TRENCHING, TREE ROOTS SHALL NOT BE CUT BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO THE ROOTS. NO PAINT OR MATERIAL TO BE APPLIED TO ROOTS, LIMBS, OR WOOD.
 - RAISING GRADES: FILL NOT TO EXCEED SIX INCHES (6") WHERE EXISTING GRADE IS BELOW PROPOSED FINISHED GRADE. CLEAN, WASHED GRAVEL FROM ONE TO TWO INCHES (1" - 2") IN SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK. THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF EIGHTEEN INCHES (18") W AND FINISH APPROXIMATELY TWO INCHES (2") ABOVE THE FINISH GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE FEET IN CONTACT WITH THE TRUNK OF ANY TREE REQUIRING FILL TO RAISE GRADE.
 - LOWERING GRADES: CUTTING SHALL NOT EXCEED SIX INCHES (6") WHERE PROPOSED FINISHED GRADE IS TO BE LOWERED BELOW EXISTING. ALL RE-GRADING WORK BY TREE TO BE DONE BY HAND TO THE INDICATED ELEVATION, NO GREATER THAN SIX INCHES (6"). ROOTS SHALL BE CUT CLEANLY THREE INCHES (3") BELOW FINISHED GRADE UNDER THE DIRECTION OF A LICENSED ARBORIST.

SOIL PREPARATION AND MULCH NOTES:

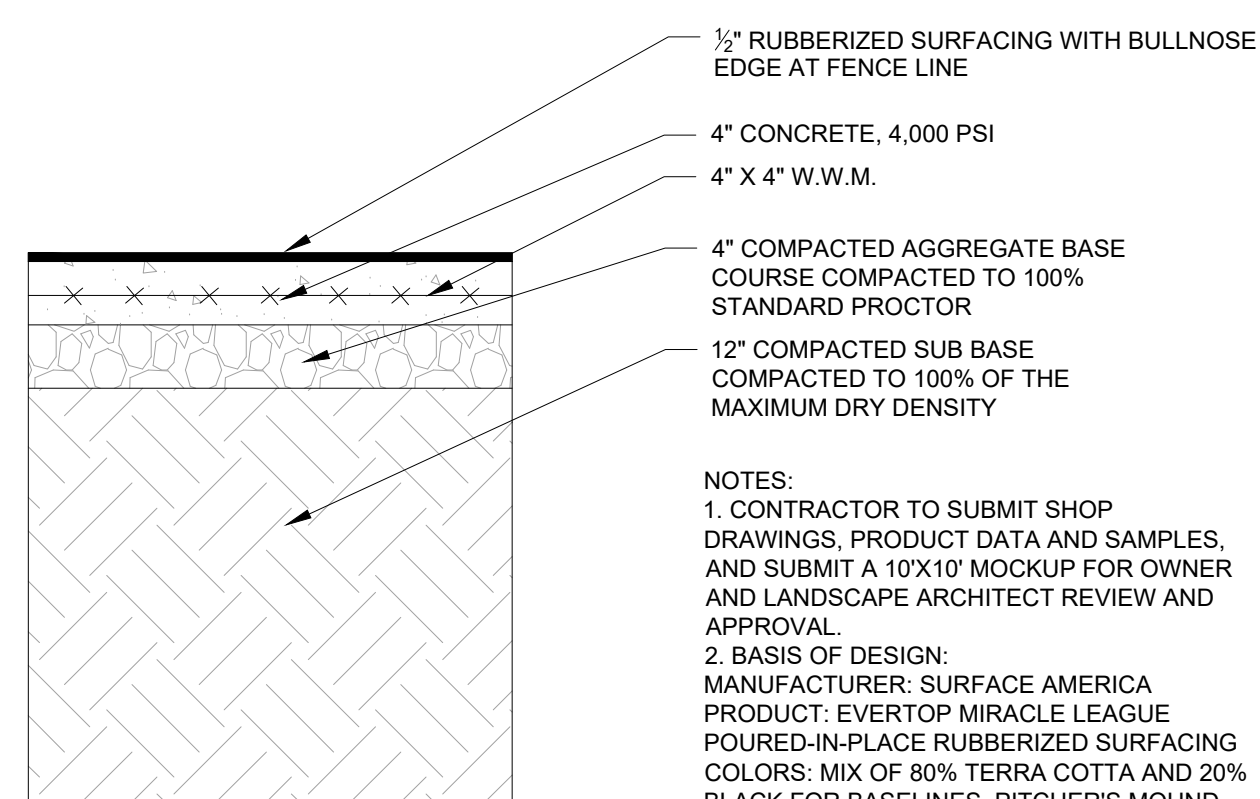
- TOPSOIL TESTS SHALL BE PERFORMED BY THE STATE CERTIFIED SOIL LAB LOCATED WITHIN THE STATE WHERE THE PROJECT IS LOCATED. SOIL LAB SHALL BE CAPABLE OF PRODUCING A SOIL FERTILITY TEST IDENTIFYING THE FOLLOWING AT A MINIMUM: pH OF THE SOIL, AVAILABLE PHOSPHORUS, POTASSIUM, CALCIUM, MAGNESIUM AND ORGANIC MATTER PERCENTAGE CONTENT. RECOMMENDATIONS FOR FERTILIZERS FOR THE SOILS BASED ON THE PLANTS PROPOSED FOR THE PROJECT SHALL BE PROVIDED BY THE TESTING AGENCY, AS WELL AS ANY RECOMMENDATIONS FOR pH AND ORGANIC MATTER ADJUSTMENTS. SOIL SAMPLES SHALL BE COLLECTED, STORED, SHIPPED, OR DELIVERED TO THE SPECIFIED LAB IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS PROVIDED BY THE LAB.
- NO WORK SHALL COMMENCE UNTIL THE TEST RESULTS HAVE BEEN OBTAINED, SUBMITTED, AND APPROVED.
- WHEN MIXING SOIL ON SITE, THEN SOIL MIXTURE SHALL BE 40% TOPSOIL, 40% PEAT MOSS, AND 20% SANDY LOAM.
- CONTRACTOR WILL SUPPLY FINISHED GRADES, REMOVING CONSTRUCTION DEBRIS AND LARGE STONES TO A DEPTH NO LESS THAN 6" AND PER TREE PLANTING DETAIL, AND PROVIDE 4" TOPSOIL DEPTH IN ALL PLANTING BEDS AND LAWN AREAS.
- BACKFILL AND CROWN PARKING LOT ISLANDS 6" ABOVE ADJACENT CURBS OR EDGE OF PAVING WITH TOPSOIL. BACKFILL DIRECTLY BEHIND ALL PAVING AND ALONG SIDEWALKS AND COMPACT TO 1" BELOW TOP OF CURB OR WALK TO SUPPORT VEHICLE AND PEDESTRIAN WEIGHT WITHOUT SETTling. ALL PLANTING AREAS TO HAVE SMOOTH CONTINUOUS SURFACE GRADES AND FREE FROM TIRE RITS AND/OR PILES. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN SOIL CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO INSTALLATION. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE WATER.
- SOIL SHALL BE LOOSENEED WITH A BACK HOE OR OTHER LARGE COARSE-TILING EQUIPMENT UNLESS THE SOIL IS FROZEN OR EXCESSIVELY WET. TILING THAT PRODUCES LARGE, COARSE CHUNKS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FALL GRAINS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENEED, IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLES.
- APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCT AND PLANT MATERIAL.
- PLANTING SOIL TO BE AMENDED BY THE FOLLOWING PER MANUFACTURER'S APPLICATION RECOMMENDATIONS:

MYCORO® TREE SAVER - A DRY GRANULAR MYCORRHIZAL FUNGI INOCULANT THAT IS MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IT CONTAINS SPORES OF BOTH ECTOMYCORRHIZAL AND VA MYCORRHIZAL FUNGI (VAM), BENEFICIAL RHIZOSPHERE BACTERIA, TERRA-SORB SUPERABSORBENT HYDROGEL, TO REDUCE WATER LEACHING, AND SELECTED ORGANIC MICROBIAL NUTRIENTS DIRECTIONS FOR USE: USE 3-0Z PER EACH FOOT DIAMETER OF THE ROOT BALL. OR 3-0Z PER INCH CALIPER. MIX INTO THE BACKFILL WHEN TRANSPLANTING TREES AND SHRUBS. MIX PRODUCT IN A RING-SHAPED VOLUME OF SOIL AROUND THE UPPER PORTION OF THE ROOT BALL, EXTENDING FROM THE SOIL SURFACE TO A DEPTH OF ABOUT 6 INCHES, AND EXTENDING OUT FROM THE ROOT BALL ABOUT 8 INCHES INTO THE BACKFILL. APPLY WATER TO SOIL SATURATION.

HEALTHY START MACRO TABS 12-4-8 - FERTILIZER TABLETS ARE PLACED IN THE UPPER 4 INCHES OF BACKFILL SOIL WHEN PLANTING TREES AND SHRUBS. THE STANDARE 21 GRAM TABLET IS SPECIFIED HERE. DIRECTIONS FOR USE: FOR PLANTING BALLED & BURLAPPED (B&B) TREES AND SHRUBS, MEASURE THE THICKNESS OF THE TRUNK AND USE ABOUT 1 TABLET (21-G) PER HALF-INCH. PLACE THE TABLETS DIRECTLY NEXT TO THE ROOT BALL, EVENLY DISTRIBUTED AROUND ITS PERIMETER AT A DEPTH OF ABOUT 4 INCHES.

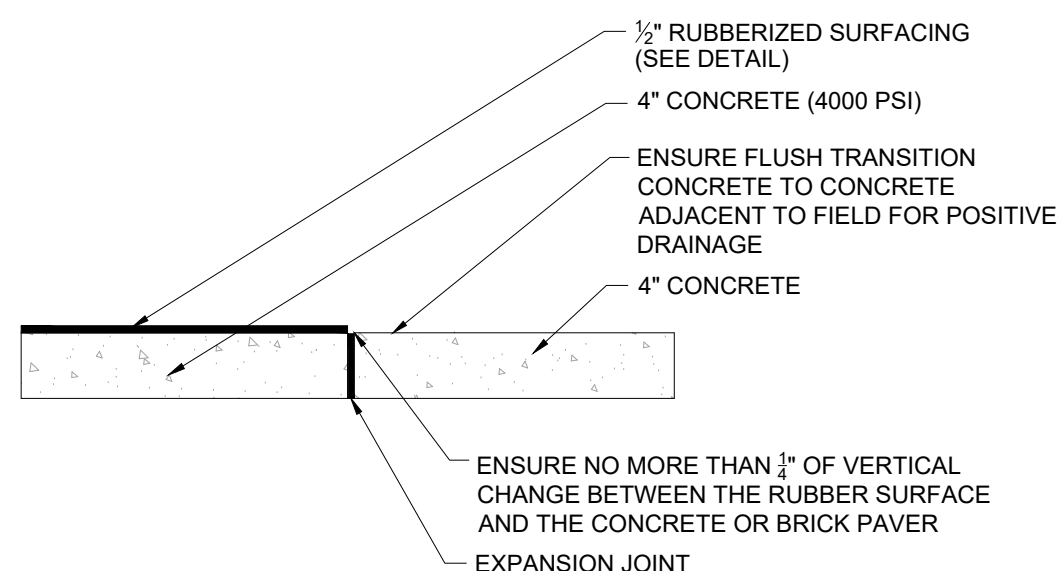
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Legend

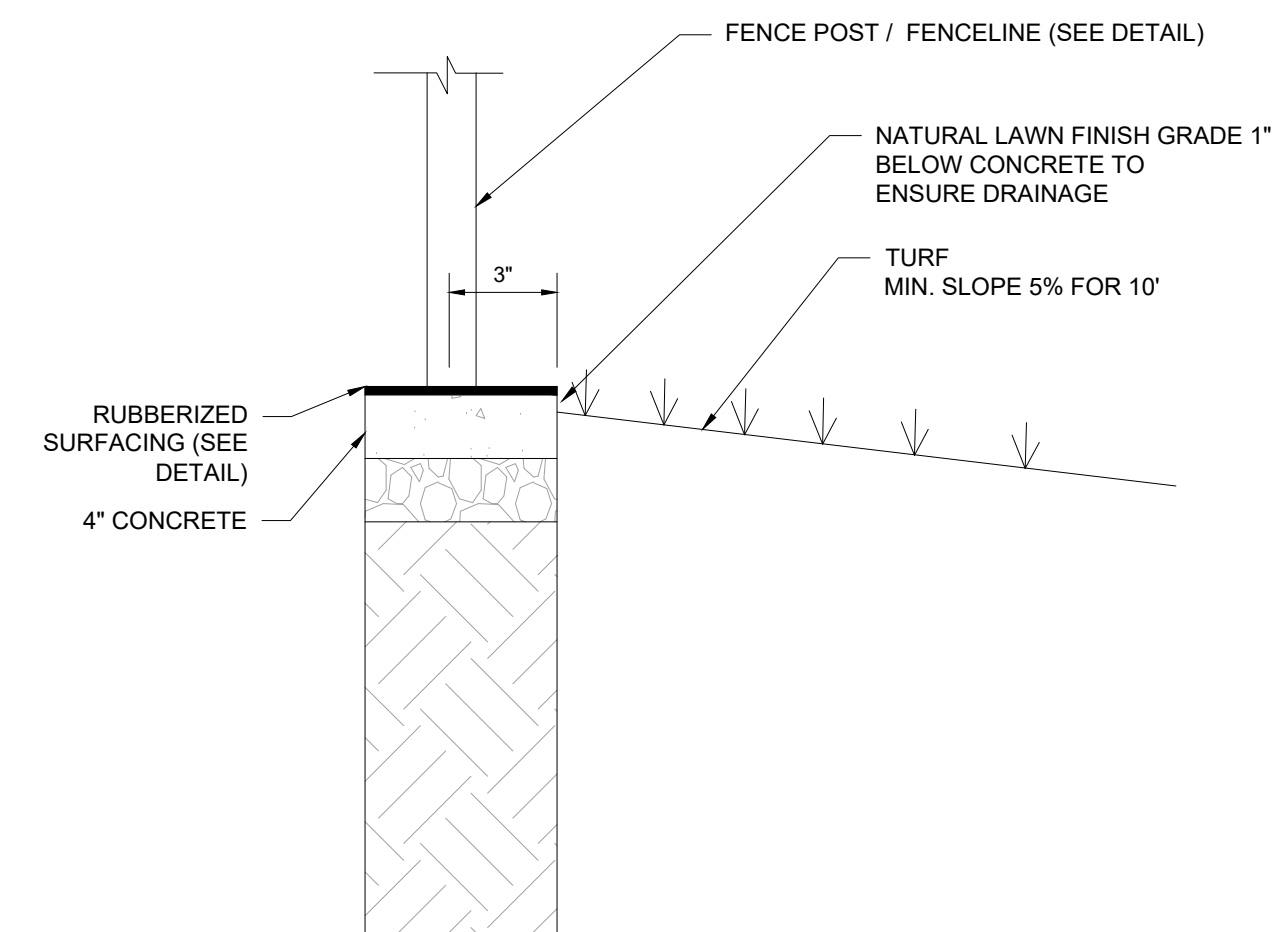


NOTES:
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES, AND SUBMIT A 10'X10' MOCKUP FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
2. BASIS OF DESIGN:
MANUFACTURER: SURFACE AMERICA
PRODUCT: EVERTOP MIRACLE LEAGUE
POURED-IN-PLACE RUBBERIZED SURFACING
COLORS: MIX OF 80% TERRA COTTA AND 20% BLACK FOR BASELINES, PITCHER'S MOUND, BATTER AND CATCHER AREAS, AND COACHES' BOXES; MIX OF 40% BRIGHT GREEN, 40% HUNTER GREEN, AND 20% BLACK FOR INFIELD AND OUTFIELD GRASS AND DUGOUTS

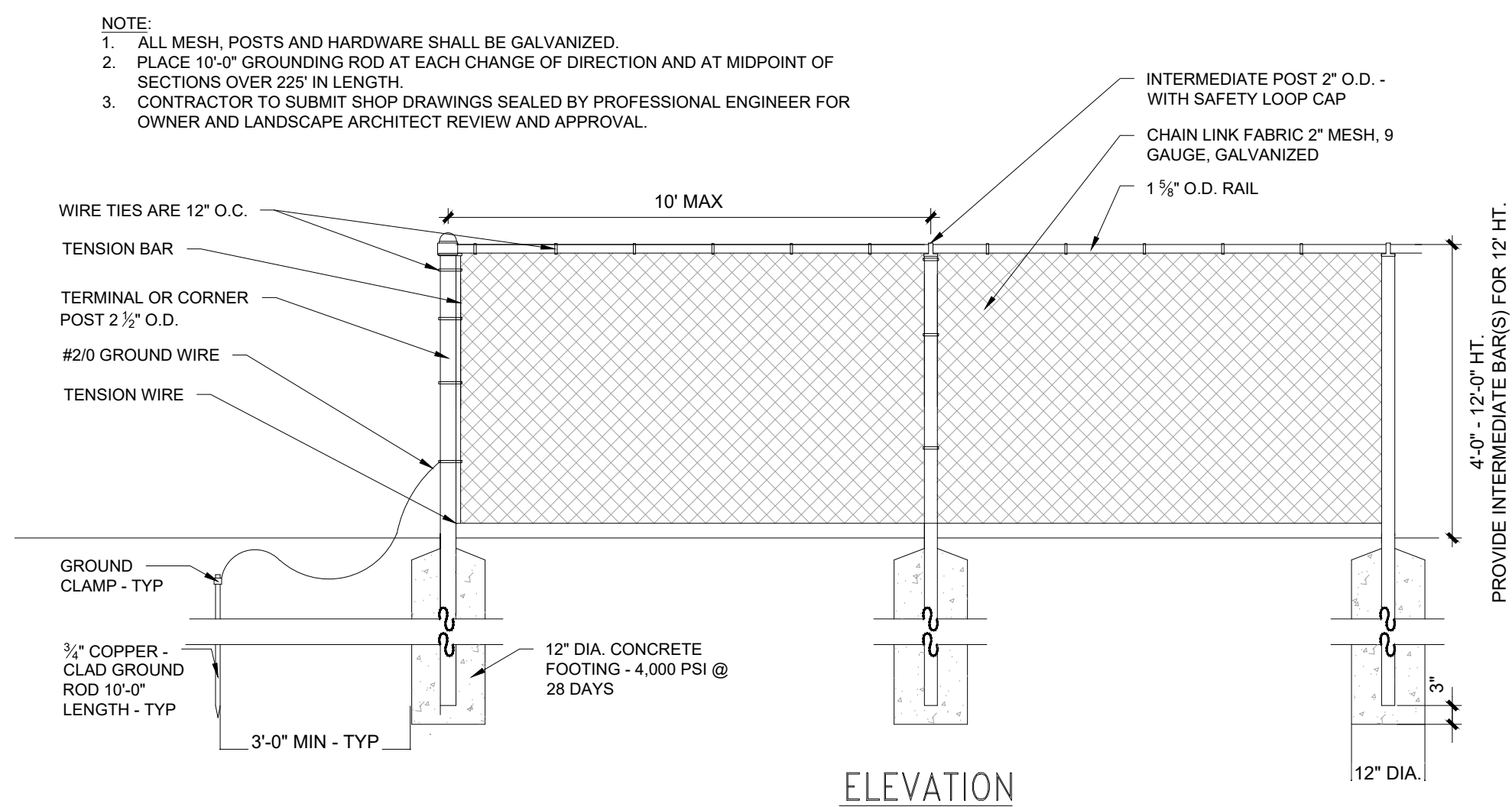
1 RUBBERIZED SURFACING
1" = 1"



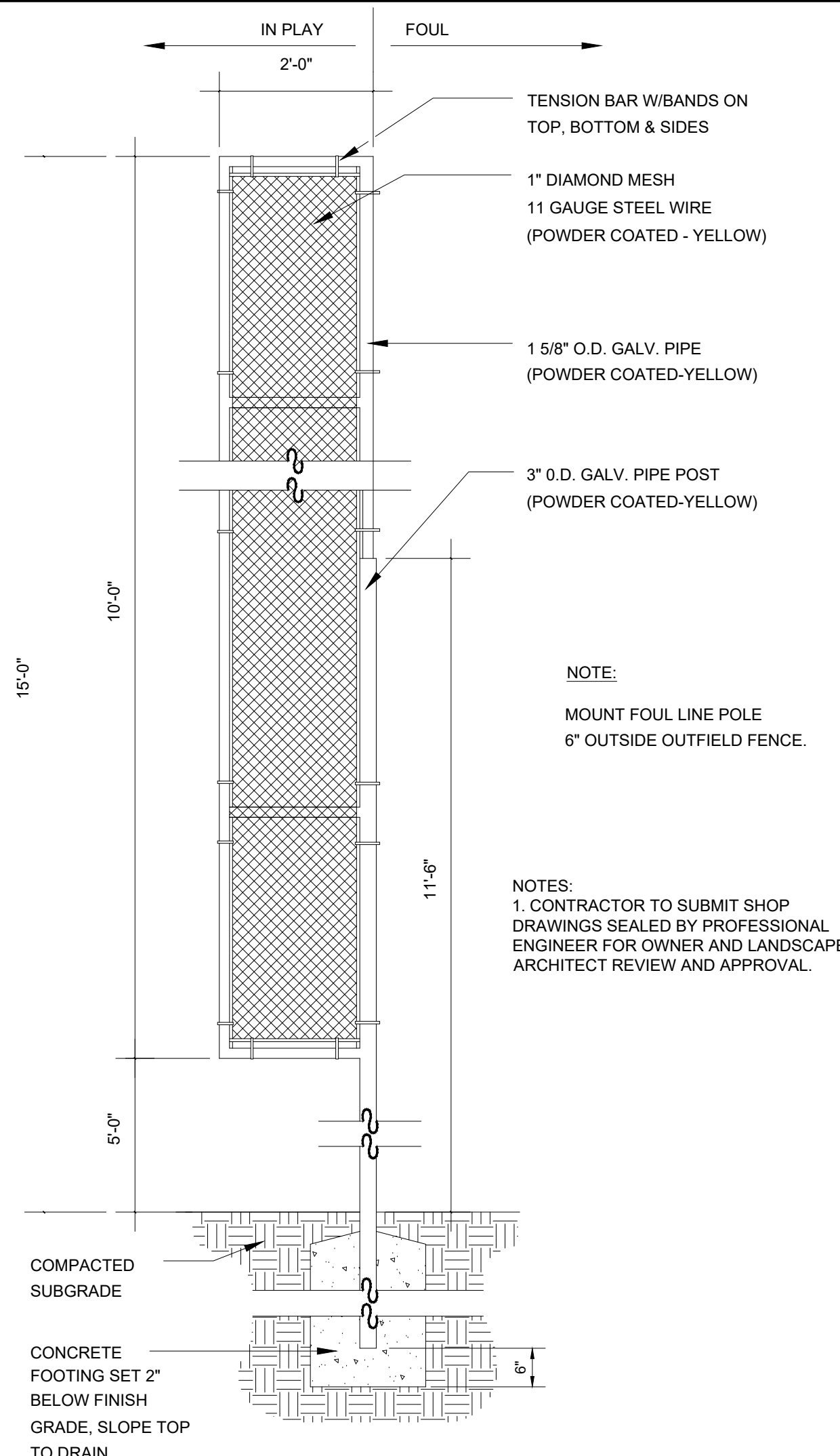
2 RUBBERIZED SURFACING AT CONCRETE ABUTMENTS
1" = 1"



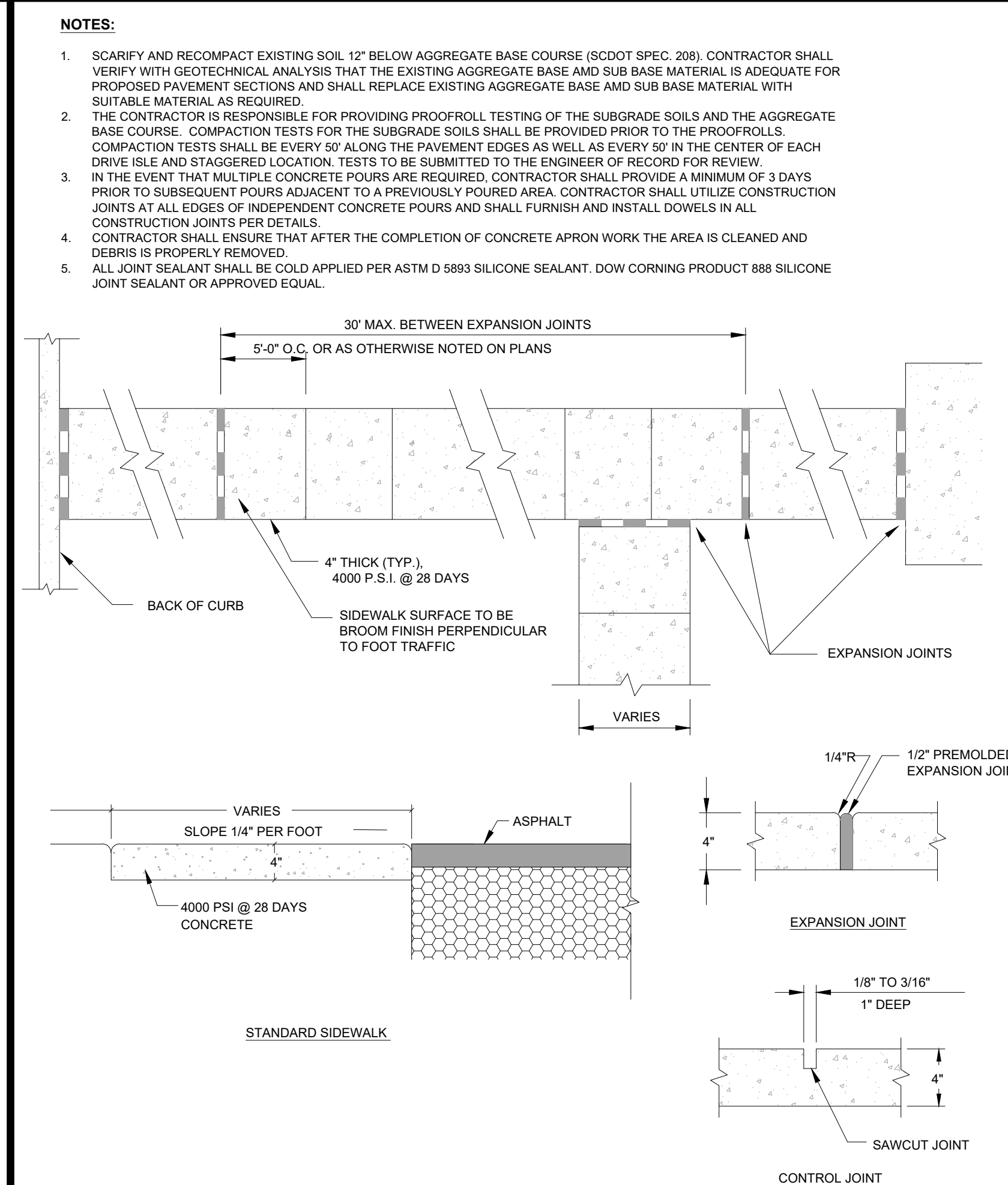
3 RUBBERIZED SURFACING AT TURF ABUTMENTS
1" = 1"



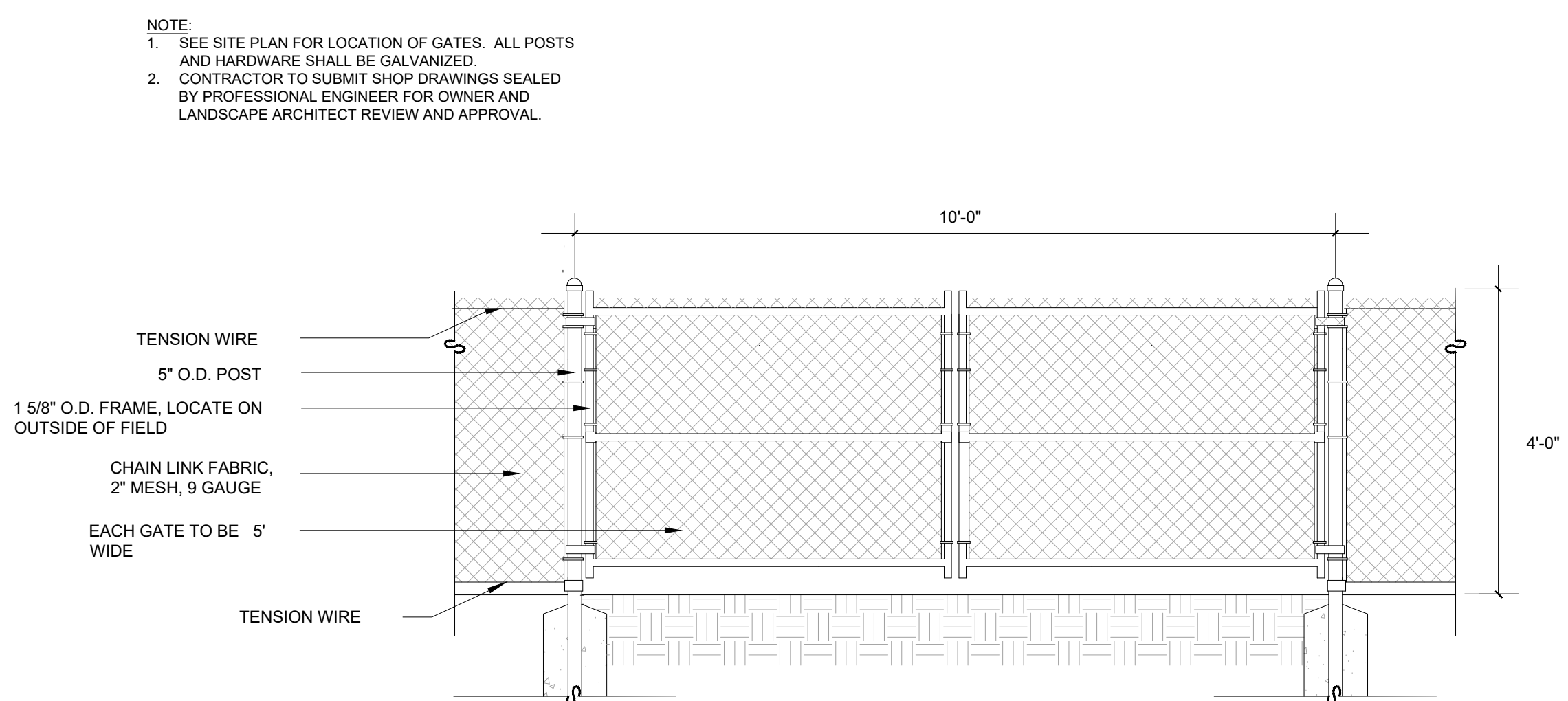
4 OUTFIELD FENCE
N.T.S.



5 FOUL POLE
N.T.S.



6 CONCRETE SIDEWALK
N.T.S.



7 10' WIDE DOUBLE SWING GATE
N.T.S.

Notes

Revision

Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MV/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26

Issued

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title

LANDSCAPE CONSTRUCTION
DETAILS

AS NOTED

Project No.
215617641

Drawing No.

L300

Sheet

16 of 18

Revision

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MBO-0500-00001
Heritage # MTB500-B1

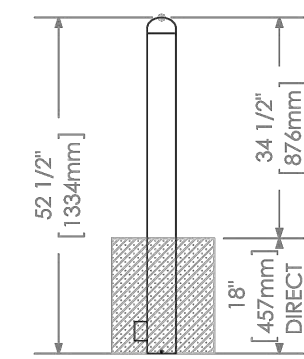
500 SERIES



- NOTES:
1. CONTRACTOR TO SUBMIT PRODUCT DATA AND SHOP DRAWINGS FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
2. BASIS OF DESIGN:
MANUFACTURER: MAGLIN
MODEL: MBO-0500-0001 EMBED-MOUNT 500 SERIES BOLLARD
FINISH: BLACK POWDERCOAT
SIZE: 34.5" HT.
3. INSTALL PER MANUFACTURER SPECIFICATIONS.

MATERIALS: The bollard is constructed of H.S. steel tube.
FINISH: The bollard is protected with E-Coat rust proofing and finished with the Maglin Powdercoat System.
INSTALLATION: Base Type - B1 bollard is supplied with additional 18" of tubing to be set in concrete. Bollard is permanently fixed in place.
TO SPECIFY: Select MBO-0500-00001
Choose:
- Powdercoat Color

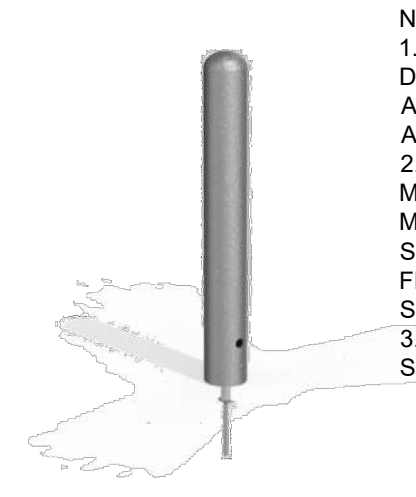
HEIGHT: 34.5" (87.6cm) DIAMETER: 4.5" (11.4cm) WEIGHT: 47.44lbs (21.52kg)



1. EMBED-MOUNT BOLLARD
N.T.S.

MBO-0500-00006
Legacy # MTB500-B3

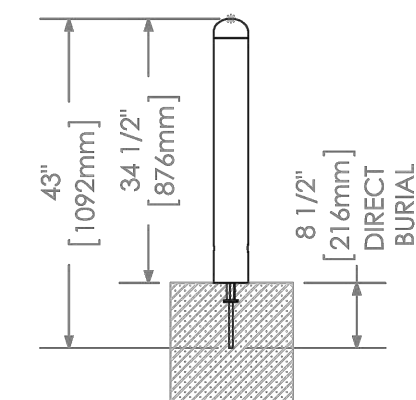
500 SERIES



- NOTES:
1. CONTRACTOR TO SUBMIT PRODUCT DATA AND SHOP DRAWINGS FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
2. BASIS OF DESIGN:
MANUFACTURER: MAGLIN
MODEL: MBO-0500-0006 REMOVABLE 500 SERIES BOLLARD
FINISH: BLACK POWDERCOAT
SIZE: 34.5" HT.
3. INSTALL PER MANUFACTURER SPECIFICATIONS.

MATERIALS: The bollard is constructed of H.S. steel tube.
FINISH: The bollard is protected with E-Coat rust proofing and finished with the Maglin Powdercoat System.
INSTALLATION: Base Type - B3 Threaded anchor is set into concrete and the bollard is screwed into the anchor. To prevent debris from accumulating in the opening while the bollard is removed, a plug is supplied. The plug also protects the anchor threads.
TO SPECIFY: Select MBO-0500-00006
Choose:
- Powdercoat Color

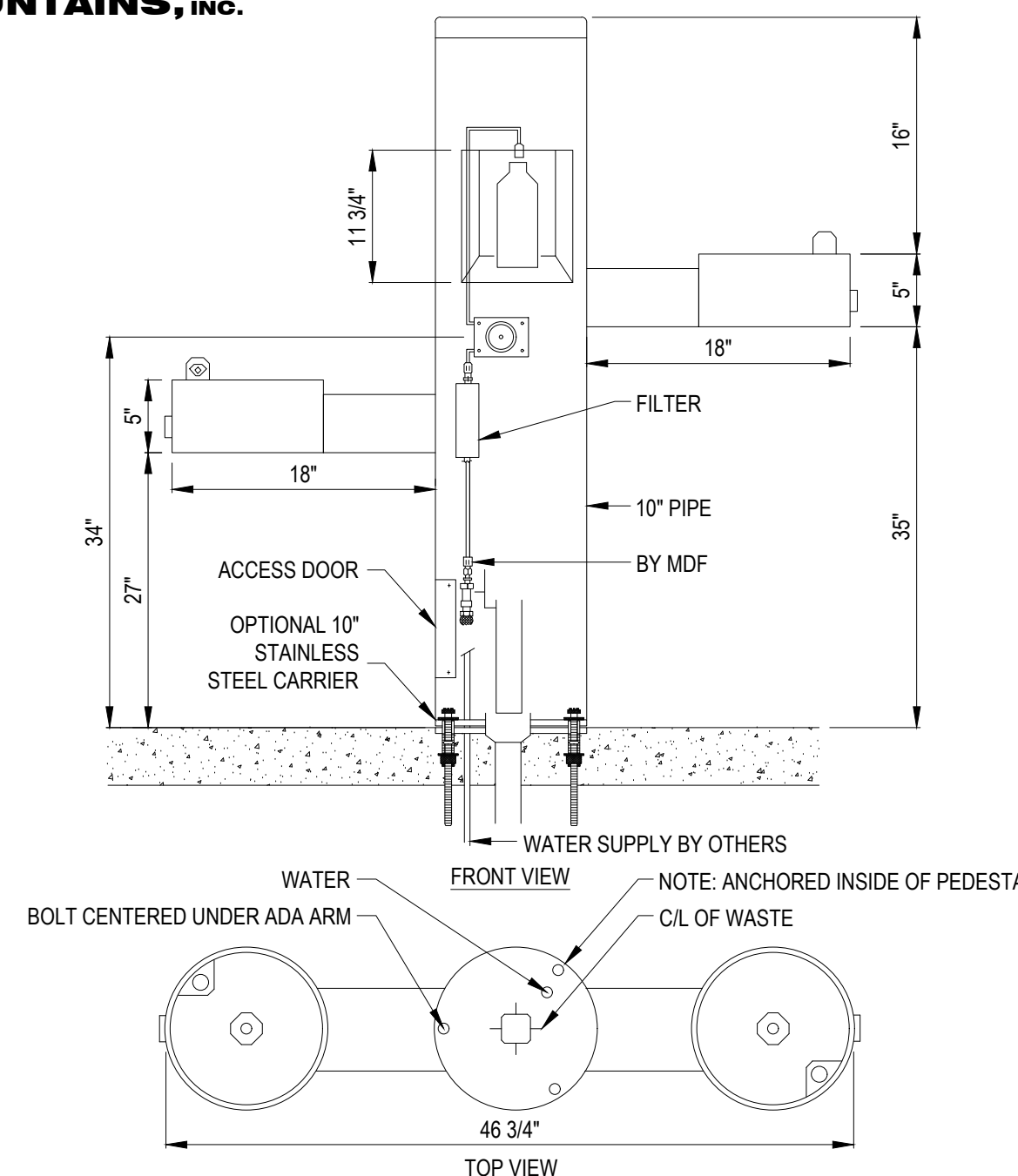
HEIGHT: 34.5" (87.6cm) DIAMETER: 4.5" (11.4cm) WEIGHT: 32.93lbs (14.9kg)



2. REMOVABLE BOLLARD
N.T.S.



MOST DEPENDABLE FOUNTAINS, INC.
5705 COMMANDER DR. P.O. BOX 587
ARLINGTON, TN 38002-0587
PHONE: (901) 867-0039
www.mostdependable.com



- NOTES:
1. CONTRACTOR TO SUBMIT PRODUCT DATA AND SHOP DRAWINGS FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
2. BASIS OF DESIGN:
MANUFACTURER: MOST DEPENDABLE FOUNTAINS
PRODUCT: MODEL 10145SM WITH OPTION 10" SS SURFACE CARRIER
3. INSTALL PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO VERIFY EXISTING WATER SUPPLY IS ADEQUATE FOR FOUNTAIN.

- NOTES:
1. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.
4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
5. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
6. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 3354-17.8.

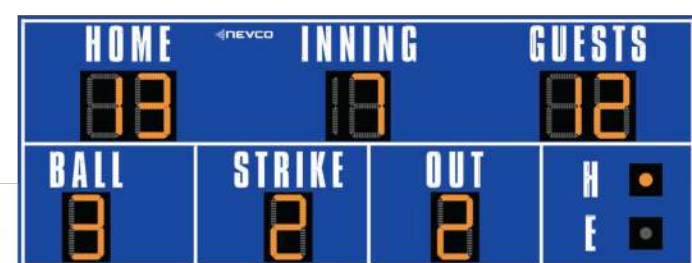
3. ADA DRINKING FOUNTAIN
N.T.S.



- NOTES:
1. CONTRACTOR TO SUBMIT PRODUCT DATA FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
2. INSTALL FREESTANDING PER PLAN AND MANUFACTURER'S SPECIFICATIONS.
3. BASIS OF DESIGN:
MANUFACTURER: COMMERCIAL ZONE
MODEL: POLYTEC SQUARE BLACK TRASH CONTAINER WITH SIDE PANELS AND DOME LID
FINISH: BLACK POLYETHYLENE BODY AND LID; RIVERSTONE CONCRETE PANELS
SIZE: 42 GALLON



Size: 16' 0" x 6' 0" (4.88 x 1.83 m)
Approximate hanging weight: 290 lbs. (132 kg) With ETNs: 345 lbs. (157 kg)
Digit Size: 18" Digit Color: High Intensity Red, Amber, or Translucent White



- Smaller scoreboard designed for combination Baseball/Softball facilities.**
- Designed to withstand wind load speed zones exceeding 150 mph.
 - Operate wired or wireless.
 - Electronic Team Names (ETNs) available in place of Home and Guest caption plates.
 - Includes Hit and Error Indicators.
 - Bright, long lasting, energy efficient LEDs.
 - Gasketed digits reduces water intake.
 - Flush sign mounting.



5. SCOREBOARD
N.T.S.

INTEGRATED DISPLAY AND SCORING SOLUTIONS

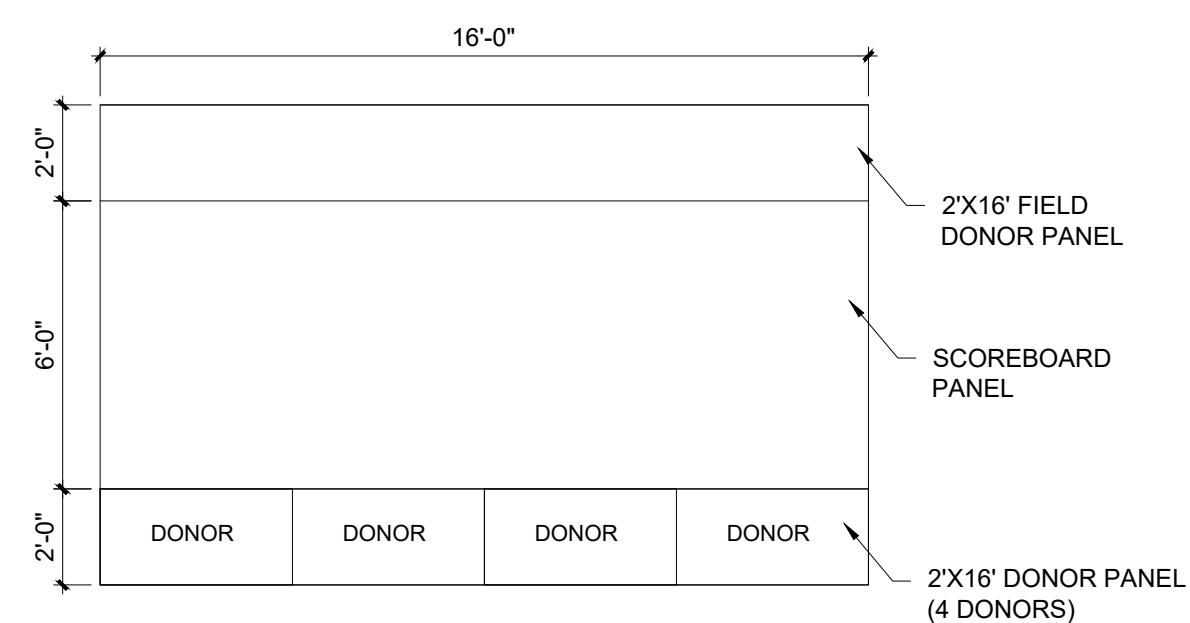
Model 1635 (Outdoor) Baseball/Softball Scoreboard
SCOREBOARD/CONTROL OPERATING FEATURES

MODEL 1635	MPCW-456	MPCW-7	MPCW WIRELESS	NEVCO ONE
TEAM SCORES 12" High Intensity Red, Amber, or Translucent White LED Display	Displays 0-99	Displays 0-99	Displays 0-99	Displays 0-99
INNING 30" High Intensity Red, Amber, or Translucent White LED Display	Displays 0-19	Displays 0-19	Displays 0-19	Displays 0-19
BALL 12" High Intensity Red, Amber, or Translucent White LED Display	Displays Blank-9	Displays Blank-9	Displays Blank-9	Displays Blank-9
STRIKE 12" High Intensity Red, Amber, or Translucent White LED Display	Displays Blank-9	Displays Blank-9	Displays Blank-9	Displays Blank-9
OUT 12" High Intensity Red, Amber, or Translucent White LED Display	Displays Blank-9	Displays Blank-9	Displays Blank-9	Displays Blank-9
INDICATORS 2" High Intensity Red, Amber, or Translucent White LED Indicator	One for Hit, One for Error	One for Hit, One for Error	One for Hit, One for Error	One for Hit, One for Error
PITCH COUNT	N/A	Supported	Supported	Supported
PITCH TIMER	N/A	Integrate with PCID display. Capable to hold and restore.	Supported	Supported

In addition to the standard 15 colors, Nevco can match any PMS color. Please contact your local Display and Scoring Consultant for pricing information.

AGENCY APPROVAL: UL/CUL, UL, FM, FCC, CE, INDUSTRY CANADA.
SCOREBOARD: Size 24" x 6" x 6" (610 x 152 x 152 mm), 150 lbs. (68 kg) with ETNs. Includes hit and error indicators. Scoreboard has 17" wide viewing opening. Hanging weight approximately 290 lbs. (132 kg) or 345 lbs. (157 kg) with ETNs.
CAPTIONS: HOME, INNING, BALL, STRIKE, OUT, H, E, with Amber, 12" High Intensity Red, Amber, or Translucent White LED color.
LED UNITS: 12" High Intensity Red, Amber, or Translucent White LED units. Includes hit and error indicators. Includes 2" High Intensity Red, Amber, or Translucent White LED indicator. Includes 2" High Intensity Red, Amber, or Translucent White LED indicator.

WARRANTY: REVIEW OR RECEIVE THE MOST RECENT COPY OF OUR WARRANTY. PLEASE VISIT: www.nevco.com/warranty/limitation
U.S. SERVICE: 1-800-851-4040 CANADA SERVICE: 1-416-664-0360 INTERNATIONAL SERVICE: 1-416-664-0360



- NOTES:
1. POSTS TO BE GALVANIZED STEEL COLUMNS. CONTRACTOR TO PROVIDE SHOP DRAWINGS SEALED BY PROFESSIONAL ENGINEER FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
2. INCLUDE FIBERGLASS PANEL ON BACK OF SIGN FOR FUTURE GRAPHIC.
3. SCOREBOARD SHALL HAVE 2 ADVERTISEMENT PANELS (2'X16\"/>

- ELECTRICAL NOTES:**
1. PROVIDE SINGLE POLE DISCONNECT SWITCH FOR THE SCOREBOARD MOUNTED ON ONE OF THE SCORE BOARD POSTS.
2. CONTRACTOR SHALL FURNISH AND INSTALL GROUNDING, POWER CABLES, AND CONTROL CABLES PER MANUFACTURERS SPECIFICATIONS AND THE NATIONAL ELECTRIC CODE (NEC).
3. ELECTRONIC TEAM NAMES NOT REQUIRED ON SCOREBOARD.
4. LED LIGHTS TO BE WHITE.

5. SCOREBOARD
N.T.S.



4969 Centre Pointe Dr, Suite 200
North Charleston, SC 29418
843-740-7700

Legend

Notes

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Revision	By	Appd.	YY.MM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDH/EC Submittal	MV/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26
Issued	By	Appd.	YY.MM.DD

File Name: _____ Dwn. Chkd. Dgn. YY.MM.DD

Permit-Seal _____



Client/Project
COLLETON COUNTY

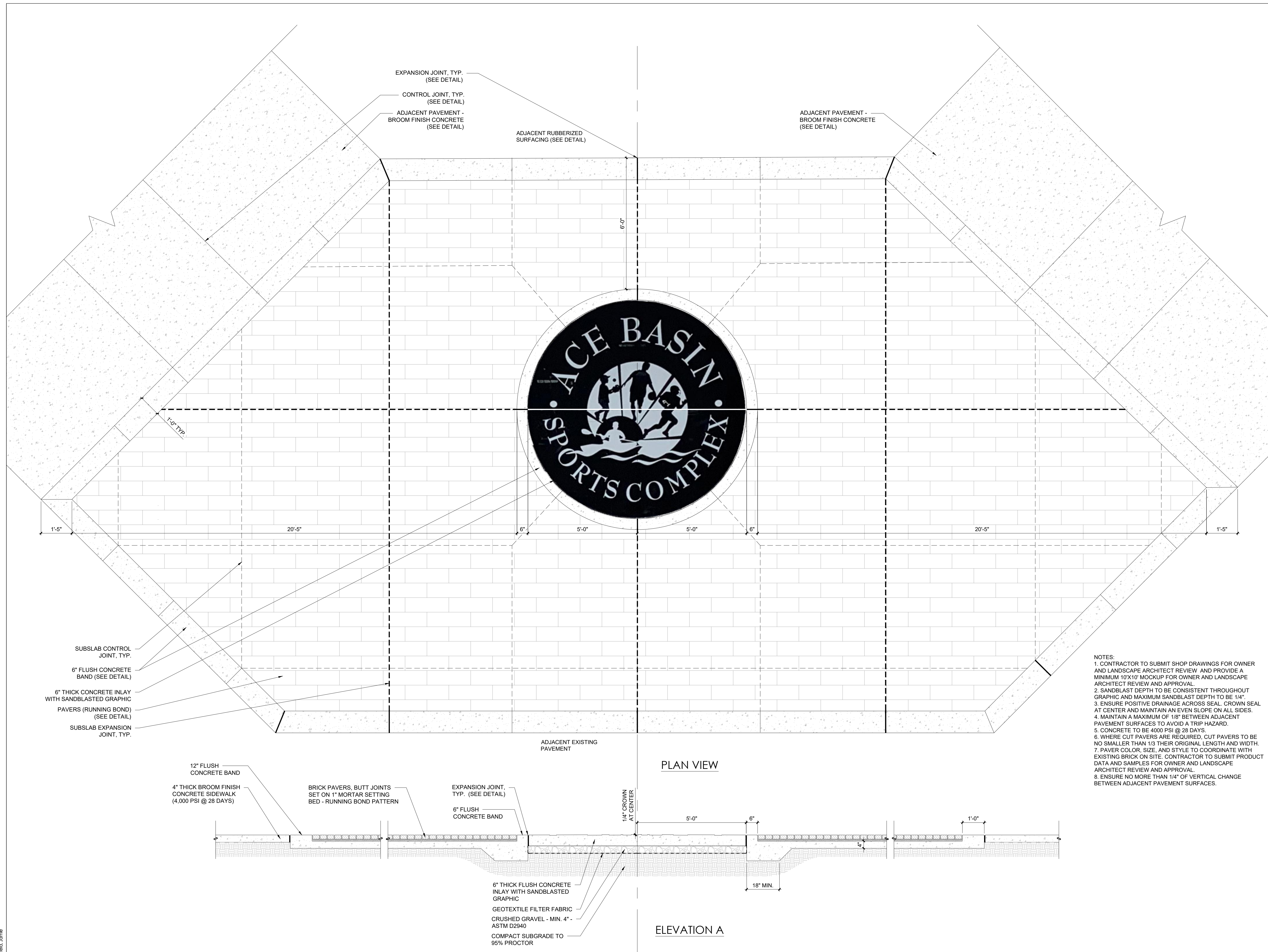
ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
LANDSCAPE CONSTRUCTION
DETAILS

Project No. AS NOTED
215617641 Scale

Drawing No. Sheet Revision

L301 17 of 18 0



NOTES:
 1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND PROVIDE A MINIMUM 10'X10' MOCKUP FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
 2. SANDBLAST DEPTH TO BE CONSISTENT THROUGHOUT GRAPHIC AND MAXIMUM SANDBLAST DEPTH TO BE 1/4".
 3. ENSURE POSITIVE DRAINAGE ACROSS SEAL. CROWN SEAL AT CENTER AND MAINTAIN AN EVEN SLOPE ON ALL SIDES.
 4. MAINTAIN A MAXIMUM OF 1/8" BETWEEN ADJACENT PAVEMENT SURFACES TO AVOID A TRIP HAZARD.
 5. CONCRETE TO BE 4000 PSI @ 28 DAYS.
 6. WHERE CUT PAVERS ARE REQUIRED, CUT PAVERS TO BE NO SMALLER THAN 1/3 THEIR ORIGINAL LENGTH AND WIDTH.
 7. PAVES COLOR, SIZE, AND STYLE TO COORDINATE WITH EXISTING BRICK ON SITE. CONTRACTOR TO SUBMIT PRODUCT DATA AND SAMPLES FOR OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
 8. ENSURE NO MORE THAN 1/4" OF VERTICAL CHANGE BETWEEN ADJACENT PAVEMENT SURFACES.

Legend

Notes

Revision

Revision	By	Appd.	YFMM.DD
ISSUED FOR BID	JDH	JL	24.01.11
SCDHEC Submittal	MV/CC	JL	23.06.09
75% CDs	MXV	JL	23.05.26
Issued	By	Appd.	YFMM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YFMM.DD

Permit-Seal



Client/Project
COLLETON COUNTY

ACCESSIBLE BALLFIELD
AT ACE BASIN SPORTS COMPLEX
COLLETON COUNTY, SC

Title
LANDSCAPE CONSTRUCTION
DETAILS

Project No. AS NOTED
215617641 Scale

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L302 18 of 18 0

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