

ADDENDUM NO. 1

Date of Addendum: August 12, 2024

Project Name: LCSO Career Center Greenhouse

1.1 PROJECT INFORMATION

- A. Owner: Lancaster County School District
- B. Architect: LS3P Associates LTD
- C. Architect Project Number: 2201-240266

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued all Bidders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual and Drawings. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum, at same time and location.
 - 1. Bid Date: August 22, 2024, at 10:00 a.m. (local time) at the District Office, 300 S Catawba Street, Lancaster, SC 29720.

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
 - 1. A Pre-Bid Conference Sign-In Sheet: A non-mandatory Pre-Bid Conference was held at the project site on August 7, 2024, at 2:00 p.m. (local time.) A list of attendees is included in the Attachments, for information only. Clarifications, modifications, and revisions to the Contract Documents as result of the meeting shall be issued by Addendum. Verbal information provided at the meeting shall not and does not alter the content of the Contract Documents. Information provided apart from an Addendum shall have no effect. Bidders must seek through written request a formal addendum response to questions posed even if answered at the meeting.
 - 2. LCSO Solicitation Outline Addendum 1, dated August 12, 2024, (revised).
 - 3. Section 000107 – PROJECT DIRECTORY AND SEALS PAGE, dated August 12, 2024, (revised).
 - 4. Section 002113.1 – A701 INSTRUCTIONS TO BIDDERS, dated August 12, 2024, (new).
 - 5. Section 002113.2 – ADDITIONAL INSTRUCTIONS TO BIDDERS, dated August 12, 2024, (new).
 - 6. Section 002213 – SUPPLEMENTARY INSTRUCTIONS TO BIDDERS, dated August 12, 2024, (new).
 - 7. Section 002513 – PREBID MEETINGS, dated August 12, 2024, (new).
 - 8. Section 002600 – PROCUREMENT SUBSTITUTION PROCEDURES, dated August 12, 2024, (new).
 - 9. Section 004313 – BID SECURITY FORM, dated August 12, 2024, (new).

10. Section 004321 – ALLOWANCE FORM, dated August 12, 2024, (new).
11. Section 004373 – PROPOSED SCHEDULE OF VALUES, dated August 12, 2024, (new).
12. Section 004393 – BID SUBMITTAL CHECKLIST, dated August 12, 2024, (new).
13. Section 006000 – PROJECT FORMS, dated August 12, 2024, (new).
14. Section 006325 – CONTRACTOR’S REQUEST FOR SUBSTITUTION FORM, dated August 12, 2024, (new).
15. Section 013300.1 – DIGITAL DATA LETTER OF AGREEMENT, dated August 12, 2024, (new).
16. Section 323223 – SEGMENTAL RETAINING WALLS, dated August 12, 2024, (new).
17. Section 323113 – CHAIN LINK FENCES AND GATES, dated August 12, 2024, (new).

B. This Addendum includes the following attached Sheets:

1. Civil Sheets C100, C300, C301, C400, C500, C600, C601 dated August 12, 2024, (**reissued**).

1.4 REVISIONS TO LCSO SOLICITATION OUTLINE:

- A. Revisions to Liquidated Damages.
- B. Revisions to Rain Days.
- C. Revised Bid Schedule.

1.5 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS

- A. SECTION 000107 – PROJECT DIRECTORY AND SEALS PAGE, (reissued). Replace section in its entirety.
- B. SECTION 002113.1 – A701 INSTRUCTIONS TO BIDDERS, (not reissued). Include attached section in 00 Procurement Requirements.
- C. SECTION 002113.2 – ADDITIONAL INSTRUCTIONS TO BIDDERS, (not reissued). Include attached section in 00 Procurement Requirements.
- D. SECTION 002513 – PREBID MEETINGS, (not reissued). Include attached section in 00 Procurement Requirements.
- E. SECTION 002213 – SUPPLEMENTARY INSTRUCTIONS TO BIDDERS, (not reissued). Include attached section in 00 Procurement Requirements.
- F. SECTION 002513 – PREBID MEETINGS, (not reissued). Include attached section in 00 Procurement Requirements.
- G. SECTION 002600 – PROCUREMENT SUBSTITUTION PROCEDURES, (not reissued). Include attached section in 00 Procurement Requirements.
- H. SECTION 004313 – BID SECURITY FORM, (not reissued). Include attached section in 00 Procurement Requirements.
- I. SECTION 004321 – ALLOWANCE FORM, (not reissued). Include attached section in 00 Procurement Requirements.

- J. SECTION 004373 – PROPOSED SCHEDULE OF VALUES, (not reissued). Include attached section in 00 Procurement Requirements.
- K. SECTION 004393 – BID SUBMITTAL CHECKLIST, (not reissued). Include attached section in 00 Procurement Requirements.
- L. SECTION 006000 – PROJECT FORMS, (not reissued). Include attached section in 00 Procurement Requirements.
- M. SECTION 006325 – CONTRACTOR’S REQUEST FOR SUBSTITUTION FORM, (not reissued). Include attached section in 00 Procurement Requirements.

1.6 **REVISIONS TO DIVISION 01 GENERAL REQUIREMENTS**

- A. SECTION 013300.1 – DIGITAL DATA LETTER OF AGREEMENT, (not reissued). Include attached section in 01 General Requirements.

1.7 **REVISIONS TO DIVISIONS 02 - 49 SPECIFICATION SECTIONS**

- A. SECTION 323223 – SEGMENTAL RETAINING WALLS, (not reissued). Include attached section in Division 32.
- B. Section 323113 – CHAIN LINK FENCES AND GATES, (not reissued). Include attached section in Division 32.

1.8 **REVISIONS TO DRAWING SHEETS**

- A. Replace sheet C100 with revised sheet C100 – Cover Sheet, included in the Attachments.
- B. Replace Sheet C300 with revised sheet C300 – Site Plan, included in the Attachments.
- C. Replace Sheet C301 with revised sheet C301 – Site Details, included in the Attachments.
- D. Replace Sheet C400 with revised sheet C400 – Grading/ Storm Drainage Plan, included in the Attachments.
- E. Replace Sheet C500 with revised sheet C500 – Erosion Control Plan, included in the Attachments.
- F. Replace Sheet C600 with revised sheet C600 – Water & Sanitary Sewer Service Plan, included in the Attachments.
- G. Replace Sheet C601 with revised sheet C601 – Water & Sanitary Sewer Service Details, included in the Attachments.

END

OF

ADDENDUM

NO


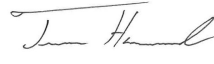
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**PRE-BID CONFERENCE SIGN-IN
 LCSD CAREER CANTER GREENHOUSE
 1321 SPRINGDALE ROAD, LANCASTER, SC 29720
 AUGUST 7, 2024 AT 2:00 PM**

No. 01 Name: <u>AUGEN TAYLOR</u>	GC	Phone: _____
Company: <u>LS3P</u>	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	_____
No. 02 Name: <u>Tyler McKenzie</u>	GC	Phone: _____
Company: <u>LS3P</u>	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	_____
No. 03 Name: <u>Matthew Ransom</u>	GC	Phone: <u>803-627-1925</u>
Company: <u>Salem Builders</u>	SUB	Fax: _____
Address: _____	Mfgr.	Email: <u>mattransom</u>
<u>1309 Hunter Street, York, SC</u>	Other	<u>@gmail.com</u>
No. 04 Name: <u>Neil Devaney</u>	GC	✓ Phone: <u>803-760-8847</u>
Company: <u>Stuppy Inc</u>	SUB	Fax: _____
Address: <u>P.O. Box 12456</u>	Mfgr.	✓ Email: <u>ndevaney@stuppy.com</u>
<u>N. Kansas City, MO 64116</u>	Other	_____
No. 05 Name: <u>Trevor Hammond</u>	GC	Phone: <u>803-577-0567</u>
Company: <u>LCSD</u>	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	_____
No. 06 Name: <u>Chantel Beth</u>	GC	Phone: <u>803-221-7121</u>
Company: <u>Campro Engineering Inc</u>	SUB	Fax: _____
Address: <u>56 Oakwood Ave Rock Hill, SC 29752</u>	Mfgr.	Email: <u>chantel@campro</u>
	Other	<u>engineering.com</u>

No. 07 Name: <u>Tony Farley</u>	GC	Phone: <u>704 634 9998</u>
Company: <u>Farley Assoc. Inc</u>	SUB	Fax: _____
Address: <u>6729 Fairview Rd.</u>	Mfgr.	Email: <u>tfarley@</u>
<u>Ste C Charlotte N.C. 28210</u>	Other	<u>farleyassoc@lincolncap.com</u>
No. 08 Name: _____	GC	Phone: _____
Company: _____	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	
No. 09 Name: _____	GC	Phone: _____
Company: _____	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	
No. 10 Name: _____	GC	Phone: _____
Company: _____	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	
No. 11 Name: _____	GC	Phone: _____
Company: _____	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	
No. 12 Name: _____	GC	Phone: _____
Company: _____	SUB	Fax: _____
Address: _____	Mfgr.	Email: _____
	Other	

	Lancaster County School District Amendment #1	Solicitation Number	202501	
		Solicitation Issue Date	07/30/24	
		Amendment Issue Date	8/12/24	
		Procurement Officer	Trevor Hammond, NIGP-CPP, CPPB (803) 416-8828	
		E-Mail Address	trevor.hammond@lcsd.k12.sc.us	

DESCRIPTION: **Greenhouse for Career Center**

The Term "Offer" Means Your "Bid" or "Proposal".

SUBMIT OFFER BY (Opening Date/Time): **08/22/24 at 10:00 AM – EST**

See "Deadline for Submission of Offer" provision

QUESTIONS MUST BE RECEIVED BY: **08/12/2024 at 10:00 AM - EST**

See "Questions from Offerors" provision

NUMBER OF COPIES TO BE SUBMITTED: **One (1) original**

Offers must be submitted in a SEALED PACKAGE. Solicitation Number & Opening Date must appear on package exterior.

SUBMIT YOUR OFFER TO THE FOLLOWING ADDRESS:

PHYSICAL & MAILING ADDRESS: Lancaster County School District Attn: Trevor Hammond, Procurement Director 300 South Catawba Street Lancaster, SC 29720 <small>See "Submitting Your Offer" provision</small>

CONFERENCE TYPE: Non-Mandatory Pre-Bid DATE & TIME: 08/07/24 @ 2:00 PM LOCATION: Lancaster County School District Career Center, 625 Normandy Road, Lancaster, SC 29720 <small>(As appropriate, see "Conferences - Pre-Bid/Proposal" & "Site Visit" provisions)</small>	
AWARD & AMENDMENTS	Notice of Intent to Award will be posted on or about 08/23/2024 at the physical address stated above and at the following web address: https://sites.google.com/lcsd.k12.sc.us/lcsd-procurement/solicitations-awards .
You must submit a signed copy of this form with your offer. By submitting a bid or proposal, you agree to be bound by the terms of the solicitation. You agree to hold your offer open for a minimum of sixty (60) calendar days after the opening date.	
NAME OF OFFEROR <small>(Full legal name of business submitting the offer)</small>	OFFEROR'S TYPE OF ENTITY: <small>(Check one)</small> <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> Corporate entity (not tax-exempt) <input type="checkbox"/> Tax exempt corporate entity <input type="checkbox"/> Government entity (federal, state, or local) <input type="checkbox"/> Other _____ <small>(See "Signing your Offer" provision)</small>
AUTHORIZED SIGNATURE <small>(Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)</small>	
TITLE <small>(Business title of person signing above)</small>	
PRINTED NAME <small>(Printed name of person signing above)</small>	
DATE SIGNED	
Instructions regarding Offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, <i>i.e.</i> , a separate corporation, partnership, sole proprietorship, etc.	
STATE OF INCORPORATION <small>(If offeror is a corporation, identify the State of Incorporation.)</small>	
TAXPAYER IDENTIFICATION NO. <small>(See "Taxpayer Identification Number" provision)</small>	

PAGE TWO

(Return Page Two with Your Offer)

HOME OFFICE ADDRESS (Address for offeror's home office / principal place of business)	NOTICE ADDRESS (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)
	Area Code - Number - Extension Facsimile
	E-mail Address

PAYMENT ADDRESS (Address to which payments will be sent.) (See "Payment" clause)	ORDER ADDRESS (Address to which purchase orders will be sent) (See "Purchase Orders and "Contract Documents" clauses)
___ Payment Address same as Home Office Address ___ Payment Address same as Notice Address (check only one)	___ Order Address same as Home Office Address ___ Order Address same as Notice Address (check only one)

ACKNOWLEDGMENT OF AMENDMENTS
 Offeror acknowledges receipt of amendments by indicating amendment number and its date of issue. (See "Amendments to Solicitation" Provision)

Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date

DISCOUNT FOR PROMPT PAYMENT (See "Discount for Prompt Payment" clause)	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	___ Calendar Days (%)
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Minority Participation: Are you a SC Certified Minority Vendor: Yes No ; If yes, SC Certification # _____
 Are you a Non SC Certified Minority Vendor - Yes No

Preferences do not apply per LCSD Procurement Code Section 1524.Resendent Vendor Preference (S.C. Code 11-35-1524(E)(5))

Preferences do not apply per LCSD Procurement Code Section 1524.Resendent Vendor Preference (S.C. Code 11-35-1524(E)(5))

Effective this date, this amendment forms part of the contract documents and modifies the original IFB.

Item #1: (page 11), **Section III. Scope of Work/Specifications**, shall now add the following clause:

Liquidated Damages: Liquidated damages shall be imposed at the rate of \$500.00 per calendar day after the 180 days.

Item #2: (page 11), **Section III. Scope of Work / Specifications**, shall now add the following clause:

Rain Days: Rain days will only be allowed when rain day totals are over and above the average rain total for that particular month of construction.

Item #3: **Bid Schedule has been revised to include a unit cost for compactable soil from off site, a unit cost for removal of unsuitable soil from site and an owner allowance for unforeseen conditions.**

Use the attached Revised Bid Schedule when submitting your bid.

All other requirements of the solicitation remain unchanged.

Description:

Provide turn-key Greenhouse at Lancaster County Career Center, in accordance with the requirements, specifications, and drawings of this solicitation. All applicable federal and state taxes shall be included in the base bid amount.

BASE BID: \$ _____ (figures)

_____ Dollars (Written)

Removal of Unsuitable Soil from Site: \$ _____ per cubic yard

Compactable Soil from Off-Site: \$ _____ per cubic yard

Owner Allowance for Unforeseen Conditions: \$10,000.00

Prime Contractor Name and SC Contractor's License #:

Name: _____ License #: _____

List of all Subcontractors by specialty who are expected to perform work to the Prime Contractor:

(1) All subcontractors' bids shall be included in the base bid amount. (2) A prime contractor whose bid is accepted may not substitute a person as subcontractor in place of a subcontractor listed in the original bid, except for showing a satisfactory reason to the District. Request for substitution must be made to the District in writing. (3) If the bidder determines to use his own employees to perform a portion of the work for which he would otherwise be required to list a subcontractor and if the bidder is qualified to perform that work under the terms of the invitation for bids, the bidder shall list himself in the appropriate place in the bid and not subcontract that work except with the approval of the District for good cause shown.

If you use more than one subcontractor for any trade, please list each individually.





_____ : _____ **Bid Amount: \$** _____
Trade Subcontractor's Name – SC Contractor's License #

_____ : _____ **Bid Amount: \$** _____
Trade Subcontractor's Name – SC Contractor's License #

_____ : _____ **Bid Amount: \$** _____
Trade Subcontractor's Name – SC Contractor's License #

_____ : _____ **Bid Amount: \$** _____
Trade Subcontractor's Name – SC Contractor's License #

DOCUMENT 000107 – PROJECT DIRECTORY AND SEALS PAGES

<p>ARCHITECT</p> <p>LS3P 803.765.2418</p>	<p>LS3P Corporate License #B74003 (SC)</p>	
<p>ARCHITECT</p> <p>LS3P 701-A Lady Street Columbia, SC 29201 803.765.2418 Ext. 4712</p>	<p>Allen R. Taylor License #4844</p>	 <p>7/3/2024</p>
<p>CIVIL ENGINEER</p> <p>Campco Engineering, Inc. 156 Oakland Ave #100 Rock Hill, SC 29730 803.327.7121</p>	<p>J. Michael Fry License #12879</p>	 <p>07/03/2024</p>
<p>STRUCTURAL ENGINEER</p> <p>Cranston Engineering Group 452 Ellis Street #1613 Augusta, GA 30901 706.722.1588</p>	<p>Jonathan Eric Pinto License #38682</p>	 <p>07/03/2024</p>

<p>PLUMBING ENGINEER</p> <p>MECA, Inc. 2330 Main Street Columbia, SC 29201 803.765-9421</p>	<p>Philip P. Claytor License #18709</p>	<p>PLUMBING SPECIFICATIONS ARE ON THE DRAWINGS.</p>
<p>MECHANICAL ENGINEER</p> <p>MECA, Inc. 2330 Main Street Columbia, SC 29201 803.765-9421</p>	<p>Philip P. Claytor License #18709</p>	<p>MECHANICAL SPECIFICATIONS ARE ON THE DRAWINGS.</p>
<p>ELECTRICAL ENGINEER</p> <p>GWA, Inc. 168 Laurelhurst Avenue Columbia, SC 29210 803.252-6919</p>	<p>S. Dickson O'Brien License #</p>	<p>ELECTRICAL SPECIFICATIONS ARE ON THE DRAWINGS.</p>



AIA® Document A701® – 2018

Instructions to Bidders

for the following Project:
(Name, location, and detailed description)

LCSO Career Center Greenhouse

625 Normandy Road

Lancaster, SC 29720

THE OWNER:

(Name, legal status, address, and other information)

Lancaster County School District

300 S. Catawba Street

Lancaster, SC 29720

THE ARCHITECT:

(Name, legal status, address, and other information)

LS3P Associates LTD.

701 – A Lady Street

Columbia, SC 29201

TABLE OF ARTICLES

- 1 **DEFINITIONS**
- 2 **BIDDER’S REPRESENTATIONS**
- 3 **BIDDING DOCUMENTS**
- 4 **BIDDING PROCEDURES**
- 5 **CONSIDERATION OF BIDS**
- 6 **POST-BID INFORMATION**
- 7 **PERFORMANCE BOND AND PAYMENT BOND**
- 8 **ENUMERATION OF THE PROPOSED CONTRACT DOCUMENTS**

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

FEDERAL, STATE, AND LOCAL LAWS MAY IMPOSE REQUIREMENTS ON PUBLIC PROCUREMENT CONTRACTS. CONSULT LOCAL AUTHORITIES OR AN ATTORNEY TO VERIFY REQUIREMENTS APPLICABLE TO THIS PROCUREMENT BEFORE COMPLETING THIS FORM.

It is intended that AIA Document G612™–2017, Owner’s Instructions to the Architect, Parts A and B will be completed prior to using this document.

ARTICLE 1 DEFINITIONS

§ 1.1 Bidding Documents include the Bidding Requirements and the Proposed Contract Documents. The Bidding Requirements consist of the advertisement or invitation to bid, Instructions to Bidders, supplementary instructions to bidders, the bid form, and any other bidding forms. The Proposed Contract Documents consist of the unexecuted form of Agreement between the Owner and Contractor and that Agreement's Exhibits, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, all Addenda, and all other documents enumerated in Article 8 of these Instructions.

§ 1.2 Definitions set forth in the General Conditions of the Contract for Construction, or in other Proposed Contract Documents apply to the Bidding Documents.

§ 1.3 Addenda are written or graphic instruments issued by the Architect, which, by additions, deletions, clarifications, or corrections, modify or interpret the Bidding Documents.

§ 1.4 A Bid is a complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Bidding Documents.

§ 1.5 The Base Bid is the sum stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents, to which Work may be added or deleted by sums stated in Alternate Bids.

§ 1.6 An Alternate Bid (or Alternate) is an amount stated in the Bid to be added to or deducted from, or that does not change, the Base Bid if the corresponding change in the Work, as described in the Bidding Documents, is accepted.

§ 1.7 A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, as described in the Bidding Documents.

§ 1.8 A Bidder is a person or entity who submits a Bid and who meets the requirements set forth in the Bidding Documents.

§ 1.9 A Sub-bidder is a person or entity who submits a bid to a Bidder for materials, equipment, or labor for a portion of the Work.

ARTICLE 2 BIDDER'S REPRESENTATIONS

§ 2.1 By submitting a Bid, the Bidder represents that:

- .1 the Bidder has read and understands the Bidding Documents;
- .2 the Bidder understands how the Bidding Documents relate to other portions of the Project, if any, being bid concurrently or presently under construction;
- .3 the Bid complies with the Bidding Documents;
- .4 the Bidder has visited the site, become familiar with local conditions under which the Work is to be performed, and has correlated the Bidder's observations with the requirements of the Proposed Contract Documents;
- .5 the Bid is based upon the materials, equipment, and systems required by the Bidding Documents without exception; and
- .6 the Bidder has read and understands the provisions for liquidated damages, if any, set forth in the form of Agreement between the Owner and Contractor.

ARTICLE 3 BIDDING DOCUMENTS

§ 3.1 Distribution

§ 3.1.1 Bidders shall obtain complete Bidding Documents, as indicated below, from the issuing office designated in the advertisement or invitation to bid, for the deposit sum, if any, stated therein.

(Indicate how, such as by email, website, host site/platform, paper copy, or other method Bidders shall obtain Bidding Documents.)

§ 3.1.2 Any required deposit shall be refunded to Bidders who submit a bona fide Bid and return the paper Bidding Documents in good condition within ten days after receipt of Bids. The cost to replace missing or damaged paper documents will be deducted from the deposit. A Bidder receiving a Contract award may retain the paper Bidding Documents, and the Bidder's deposit will be refunded.

§ 3.1.3 Bidding Documents will not be issued directly to Sub-bidders unless specifically offered in the advertisement or invitation to bid, or in supplementary instructions to bidders.

§ 3.1.4 Bidders shall use complete Bidding Documents in preparing Bids. Neither the Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete Bidding Documents.

§ 3.1.5 The Bidding Documents will be available for the sole purpose of obtaining Bids on the Work. No license or grant of use is conferred by distribution of the Bidding Documents.

§ 3.2 Modification or Interpretation of Bidding Documents

§ 3.2.1 The Bidder shall carefully study the Bidding Documents, shall examine the site and local conditions, and shall notify the Architect of errors, inconsistencies, or ambiguities discovered and request clarification or interpretation pursuant to Section 3.2.2.

§ 3.2.2 Requests for clarification or interpretation of the Bidding Documents shall be submitted by the Bidder in writing and shall be received by the Architect at least seven days prior to the date for receipt of Bids.
(Indicate how, such as by email, website, host site/platform, paper copy, or other method Bidders shall submit requests for clarification and interpretation.)

§ 3.2.3 Modifications and interpretations of the Bidding Documents shall be made by Addendum. Modifications and interpretations of the Bidding Documents made in any other manner shall not be binding, and Bidders shall not rely upon them.

§ 3.3 Substitutions

§ 3.3.1 The materials, products, and equipment described in the Bidding Documents establish a standard of required function, dimension, appearance, and quality to be met by any proposed substitution.

§ 3.3.2 Substitution Process

§ 3.3.2.1 Written requests for substitutions shall be received by the Architect at least ten days prior to the date for receipt of Bids. Requests shall be submitted in the same manner as that established for submitting clarifications and interpretations in Section 3.2.2.

§ 3.3.2.2 Bidders shall submit substitution requests on a Substitution Request Form if one is provided in the Bidding Documents.

§ 3.3.2.3 If a Substitution Request Form is not provided, requests shall include (1) the name of the material or equipment specified in the Bidding Documents; (2) the reason for the requested substitution; (3) a complete description of the proposed substitution including the name of the material or equipment proposed as the substitute, performance and test data, and relevant drawings; and (4) any other information necessary for an evaluation. The request shall include a statement setting forth changes in other materials, equipment, or other portions of the Work, including changes in the work of other contracts or the impact on any Project Certifications (such as LEED), that will result from incorporation of the proposed substitution.

§ 3.3.3 The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval of a proposed substitution shall be final.

§ 3.3.4 If the Architect approves a proposed substitution prior to receipt of Bids, such approval shall be set forth in an Addendum. Approvals made in any other manner shall not be binding, and Bidders shall not rely upon them.

§ 3.3.5 No substitutions will be considered after the Contract award unless specifically provided for in the Contract Documents.

§ 3.4 Addenda

§ 3.4.1 Addenda will be transmitted to Bidders known by the issuing office to have received complete Bidding Documents.

(Indicate how, such as by email, website, host site/platform, paper copy, or other method Addenda will be transmitted.)

§ 3.4.2 Addenda will be available where Bidding Documents are on file.

§ 3.4.3 Addenda will be issued no later than four days prior to the date for receipt of Bids, except an Addendum withdrawing the request for Bids or one which includes postponement of the date for receipt of Bids.

§ 3.4.4 Prior to submitting a Bid, each Bidder shall ascertain that the Bidder has received all Addenda issued, and the Bidder shall acknowledge their receipt in the Bid.

ARTICLE 4 BIDDING PROCEDURES

§ 4.1 Preparation of Bids

§ 4.1.1 Bids shall be submitted on the forms included with or identified in the Bidding Documents.

§ 4.1.2 All blanks on the bid form shall be legibly executed. Paper bid forms shall be executed in a non-erasable medium.

§ 4.1.3 Sums shall be expressed in both words and numbers, unless noted otherwise on the bid form. In case of discrepancy, the amount entered in words shall govern.

§ 4.1.4 Edits to entries made on paper bid forms must be initialed by the signer of the Bid.

§ 4.1.5 All requested Alternates shall be bid. If no change in the Base Bid is required, enter "No Change" or as required by the bid form.

§ 4.1.6 Where two or more Bids for designated portions of the Work have been requested, the Bidder may, without forfeiture of the bid security, state the Bidder's refusal to accept award of less than the combination of Bids stipulated by the Bidder. The Bidder shall neither make additional stipulations on the bid form nor qualify the Bid in any other manner.

§ 4.1.7 Each copy of the Bid shall state the legal name and legal status of the Bidder. As part of the documentation submitted with the Bid, the Bidder shall provide evidence of its legal authority to perform the Work in the jurisdiction where the Project is located. Each copy of the Bid shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further name the state of incorporation and have the corporate seal affixed. A Bid submitted by an agent shall have a current power of attorney attached, certifying the agent's authority to bind the Bidder.

§ 4.1.8 A Bidder shall incur all costs associated with the preparation of its Bid.

§ 4.2 Bid Security

§ 4.2.1 Each Bid shall be accompanied by the following bid security:

(Insert the form and amount of bid security.)

§ 4.2.2 The Bidder pledges to enter into a Contract with the Owner on the terms stated in the Bid and shall, if required, furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds if required, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as a penalty. In the event the Owner fails to comply with Section 6.2, the amount of the bid security shall not be forfeited to the Owner.

§ 4.2.3 If a surety bond is required as bid security, it shall be written on AIA Document A310™, Bid Bond, unless otherwise provided in the Bidding Documents. The attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of an acceptable power of attorney. The Bidder shall provide surety bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 4.2.4 The Owner will have the right to retain the bid security of Bidders to whom an award is being considered until (a) the Contract has been executed and bonds, if required, have been furnished; (b) the specified time has elapsed so that Bids may be withdrawn; or (c) all Bids have been rejected. However, if no Contract has been awarded or a Bidder has not been notified of the acceptance of its Bid, a Bidder may, beginning days after the opening of Bids, withdraw its Bid and request the return of its bid security.

§ 4.3 Submission of Bids

§ 4.3.1 A Bidder shall submit its Bid as indicated below:

(Indicate how, such as by website, host site/platform, paper copy, or other method Bidders shall submit their Bid.)

§ 4.3.2 Paper copies of the Bid, the bid security, and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed to the party receiving the Bids and shall be identified with the Project name, the Bidder's name and address, and, if applicable, the designated portion of the Work for which the Bid is submitted. If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "SEALED BID ENCLOSED" on the face thereof.

§ 4.3.3 Bids shall be submitted by the date and time and at the place indicated in the invitation to bid. Bids submitted after the date and time for receipt of Bids, or at an incorrect place, will not be accepted.

§ 4.3.4 The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.

§ 4.3.5 A Bid submitted by any method other than as provided in this Section 4.3 will not be accepted.

§ 4.4 Modification or Withdrawal of Bid

§ 4.4.1 Prior to the date and time designated for receipt of Bids, a Bidder may submit a new Bid to replace a Bid previously submitted, or withdraw its Bid entirely, by notice to the party designated to receive the Bids. Such notice shall be received and duly recorded by the receiving party on or before the date and time set for receipt of Bids. The receiving party shall verify that replaced or withdrawn Bids are removed from the other submitted Bids and not considered. Notice of submission of a replacement Bid or withdrawal of a Bid shall be worded so as not to reveal the amount of the original Bid.

§ 4.4.2 Withdrawn Bids may be resubmitted up to the date and time designated for the receipt of Bids in the same format as that established in Section 4.3, provided they fully conform with these Instructions to Bidders. Bid security shall be in an amount sufficient for the Bid as resubmitted.

§ 4.4.3 After the date and time designated for receipt of Bids, a Bidder who discovers that it made a clerical error in its Bid shall notify the Architect of such error within two days, or pursuant to a timeframe specified by the law of the jurisdiction where the Project is located, requesting withdrawal of its Bid. Upon providing evidence of such error to the reasonable satisfaction of the Architect, the Bid shall be withdrawn and not resubmitted. If a Bid is withdrawn pursuant to this Section 4.4.3, the bid security will be attended to as follows:

(State the terms and conditions, such as Bid rank, for returning or retaining the bid security.)

ARTICLE 5 CONSIDERATION OF BIDS

§ 5.1 Opening of Bids

If stipulated in an advertisement or invitation to bid, or when otherwise required by law, Bids properly identified and received within the specified time limits will be publicly opened and read aloud. A summary of the Bids may be made available to Bidders.

§ 5.2 Rejection of Bids

Unless otherwise prohibited by law, the Owner shall have the right to reject any or all Bids.

§ 5.3 Acceptance of Bid (Award)

§ 5.3.1 It is the intent of the Owner to award a Contract to the lowest responsive and responsible Bidder, provided the Bid has been submitted in accordance with the requirements of the Bidding Documents. Unless otherwise prohibited by law, the Owner shall have the right to waive informalities and irregularities in a Bid received and to accept the Bid which, in the Owner's judgment, is in the Owner's best interests.

§ 5.3.2 Unless otherwise prohibited by law, the Owner shall have the right to accept Alternates in any order or combination, unless otherwise specifically provided in the Bidding Documents, and to determine the lowest responsive and responsible Bidder on the basis of the sum of the Base Bid and Alternates accepted.

ARTICLE 6 POST-BID INFORMATION

§ 6.1 Contractor's Qualification Statement

Bidders to whom award of a Contract is under consideration shall submit to the Architect, upon request and within the timeframe specified by the Architect, a properly executed AIA Document A305™, Contractor's Qualification Statement, unless such a Statement has been previously required and submitted for this Bid.

§ 6.2 Owner's Financial Capability

A Bidder to whom award of a Contract is under consideration may request in writing, fourteen days prior to the expiration of the time for withdrawal of Bids, that the Owner furnish to the Bidder reasonable evidence that financial arrangements have been made to fulfill the Owner's obligations under the Contract. The Owner shall then furnish such reasonable evidence to the Bidder no later than seven days prior to the expiration of the time for withdrawal of Bids. Unless such reasonable evidence is furnished within the allotted time, the Bidder will not be required to execute the Agreement between the Owner and Contractor.

§ 6.3 Submittals

§ 6.3.1 After notification of selection for the award of the Contract, the Bidder shall, as soon as practicable or as stipulated in the Bidding Documents, submit in writing to the Owner through the Architect:

- .1 a designation of the Work to be performed with the Bidder's own forces;
- .2 names of the principal products and systems proposed for the Work and the manufacturers and suppliers of each; and
- .3 names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for the principal portions of the Work.

§ 6.3.2 The Bidder will be required to establish to the satisfaction of the Architect and Owner the reliability and responsibility of the persons or entities proposed to furnish and perform the Work described in the Bidding Documents.

§ 6.3.3 Prior to the execution of the Contract, the Architect will notify the Bidder if either the Owner or Architect, after due investigation, has reasonable objection to a person or entity proposed by the Bidder. If the Owner or Architect has reasonable objection to a proposed person or entity, the Bidder may, at the Bidder's option, withdraw the Bid or submit an acceptable substitute person or entity. The Bidder may also submit any required adjustment in the Base Bid or Alternate Bid to account for the difference in cost occasioned by such substitution. The Owner may accept the adjusted bid price or disqualify the Bidder. In the event of either withdrawal or disqualification, bid security will not be forfeited.

§ 6.3.4 Persons and entities proposed by the Bidder and to whom the Owner and Architect have made no reasonable objection must be used on the Work for which they were proposed and shall not be changed except with the written consent of the Owner and Architect.

ARTICLE 7 PERFORMANCE BOND AND PAYMENT BOND

§ 7.1 Bond Requirements

§ 7.1.1 If stipulated in the Bidding Documents, the Bidder shall furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder.

§ 7.1.2 If the furnishing of such bonds is stipulated in the Bidding Documents, the cost shall be included in the Bid. If the furnishing of such bonds is required after receipt of bids and before execution of the Contract, the cost of such bonds shall be added to the Bid in determining the Contract Sum.

§ 7.1.3 The Bidder shall provide surety bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 7.1.4 Unless otherwise indicated below, the Penal Sum of the Payment and Performance Bonds shall be the amount of the Contract Sum.

(If Payment or Performance Bonds are to be in an amount other than 100% of the Contract Sum, indicate the dollar amount or percentage of the Contract Sum.)

§ 7.2 Time of Delivery and Form of Bonds

§ 7.2.1 The Bidder shall deliver the required bonds to the Owner not later than three days following the date of execution of the Contract. If the Work is to commence sooner in response to a letter of intent, the Bidder shall, prior to commencement of the Work, submit evidence satisfactory to the Owner that such bonds will be furnished and delivered in accordance with this Section 7.2.1.

§ 7.2.2 Unless otherwise provided, the bonds shall be written on AIA Document A312, Performance Bond and Payment Bond.

§ 7.2.3 The bonds shall be dated on or after the date of the Contract.

§ 7.2.4 The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix to the bond a certified and current copy of the power of attorney.

ARTICLE 8 ENUMERATION OF THE PROPOSED CONTRACT DOCUMENTS

§ 8.1 Copies of the proposed Contract Documents have been made available to the Bidder and consist of the following documents:

- .1 AIA Document A101™–2017, Standard Form of Agreement Between Owner and Contractor, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

- .2 AIA Document A101™–2017, Exhibit A, Insurance and Bonds, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

- .3 AIA Document A201™–2017, General Conditions of the Contract for Construction, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

- .4 AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:
(Insert the date of the E203-2013.)

- .5 Drawings

Number	Title	Date
.6	Specifications	

Section	Title	Date	Pages
.7	Addenda:		

Number	Date	Pages
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.8 Other Exhibits:
(Check all boxes that apply and include appropriate information identifying the exhibit where required.)

AIA Document E204™–2017, Sustainable Projects Exhibit, dated as indicated below:
(Insert the date of the E204-2017.)

The Sustainability Plan:

Title	Date	Pages
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Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages
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.9 Other documents listed below:
(List here any additional documents that are intended to form part of the Proposed Contract Documents.)

Additions and Deletions Report for **AIA® Document A701® – 2018**

This Additions and Deletions Report, as defined on page 1 of the associated document, reproduces below all text the author has added to the standard form AIA document in order to complete it, as well as any text the author may have added to or deleted from the original AIA text. Added text is shown underlined. Deleted text is indicated with a horizontal line through the original AIA text.

Note: This Additions and Deletions Report is provided for information purposes only and is not incorporated into or constitute any part of the associated AIA document. This Additions and Deletions Report and its associated document were generated simultaneously by AIA software at 15:29:06 ET on 08/12/2024.

PAGE 1

LCSD Career Center Greenhouse

625 Normandy Road

Lancaster, SC 29720

...

Lancaster County School District

300 S. Catawba Street

Lancaster, SC 29720

...

LS3P Associates LTD.

701 – A Lady Street

Columbia, SC 29201

PAGE 7

- .4** ~~Building Information Modeling Exhibit, if completed:~~ AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:
(Insert the date of the E203-2013.)

Certification of Document's Authenticity

AIA® Document D401™ – 2003

I, _____, hereby certify, to the best of my knowledge, information and belief, that I created the attached final document simultaneously with its associated Additions and Deletions Report and this certification at 15:29:06 ET on 08/12/2024 under Order No. 3104239711 from AIA Contract Documents software and that in preparing the attached final document I made no changes to the original text of AIA® Document A701™ – 2018, Instructions to Bidders, other than those additions and deletions shown in the associated Additions and Deletions Report.

(Signed)

(Title)

(Dated)

ADDITIONAL INSTRUCTIONS TO BIDDERS

CERTIFICATE OF INDEPENDENT PRICE DETERMINATION: GIVING FALSE, MISLEADING, OR INCOMPLETE INFORMATION ON THIS CERTIFICATION MAY RENDER YOU SUBJECT TO PROSECUTION UNDER SECTION 16-9-10 OF THE SOUTH CAROLINA CODE OF LAWS AND OTHER APPLICABLE LAWS.

(a) By submitting an offer, the Offeror certifies that:

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other Offeror or competitor relating to:

- (i) Those prices;
- (ii) The intention to submit an offer; or
- (iii) The methods or factors used to calculate the prices offered.

(2) The prices in this offer have not been and will not be knowingly disclosed by the Offeror, directly or indirectly, to any other Offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the Offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory:

(1) Is the person in the Offeror's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to paragraphs (a)(1) through (a)(3) of this certification; or

(2)(i) Has been authorized, in writing, to act as agent for the Offeror's principals in certifying that those principals have not participated, and will not participate in any action contrary to paragraphs (a)(1) through (a)(3) of this certification [As used in this subdivision (b)(2)(i), the term "principals" means the person(s) in the Offeror's organization responsible for determining the prices offered in this bid or proposal].

(ii) As an authorized agent, does certify that the principals referenced in subdivision (b)(2)(i) of this certification have not participated, and will not participate, in any action contrary to paragraphs (a)(1) through (a)(3) of this certification; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to paragraphs (a)(1) through (a)(3) of this certification.

(c) If the Offeror deletes or modifies paragraph (a)(2) of this certification, the Offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

CERTIFICATION REGARDING DEBARMENT AND OTHER RESPONSIBILITY MATTERS:

(a)

(1) By submitting an Offer, Offeror certifies, to the best of its knowledge and belief, that-

(i) Offeror and/or any of its Principals

(A) Are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any state or federal agency;

(B) Have not, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are not presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.

(ii) Offeror has not, within a three-year period preceding this offer, had one or more contracts terminated for default by any public (Federal, state, or local) entity.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and,

persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

(b) Offeror shall provide immediate written notice to the Procurement Officer if, at any time prior to contract award, Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) If Offeror is unable to certify the representations stated in paragraphs (a)(1), Offer must submit a written explanation regarding its inability to make the certification. The certification will be considered in connection with a review of the Offeror's responsibility. Failure of the Offeror to furnish additional information as requested by the Procurement Officer may render the Offeror non-responsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly or in bad faith rendered an erroneous certification, in addition to other remedies available to the District, the Procurement Officer may terminate the contract resulting from this solicitation for default.

Check for federal and state disbarments at www.sam.gov and <http://procurement.sc.gov/legal/legal-suspend-debar>.

DISCLOSURE OF YOUR BID / PROPOSAL & SUBMITTING CONFIDENTIAL DATA

(a) According to Section 11-35-410, any person submitting a document in response or with regard to any solicitation or other request must "comply with instructions provided in the solicitation for marking information exempt from public disclosure. Information not marked as required by the applicable instructions may be disclosed to the public." IF YOU IDENTIFY YOUR ENTIRE RESPONSE AS EXEMPT FROM PUBLIC DISCLOSURE, OR IF YOU DO NOT SUBMIT A REDACTED COPY AS REQUIRED, THE DISTRICT MAY, IN ITS SOLE DISCRETION, DETERMINE YOUR BID OR PROPOSAL NONRESPONSIVE AND INELIGIBLE FOR AWARD.

(b) By submitting a response to this solicitation or request, Offeror agrees to the public disclosure of every page, or portion thereof, of every document regarding this solicitation or request that was submitted at any time prior to entering into a contract (including, but not limited to, documents contained in a response, documents submitted to clarify a response, and documents submitted during negotiations), unless the page, or portion thereof, was redacted and conspicuously marked "Trade Secret" or "Confidential" or "Protected", (2) agrees that any information not redacted and marked, as required by these bidding instructions, as a "Trade Secret" is not a trade secret as defined by the Trade Secrets Act, and (3) agrees that, notwithstanding any claims or markings otherwise, any prices, commissions, discounts, or other financial figures used to determine the award, as well as the final contract amount, are subject to public disclosure.

(c) If your offer includes any information that you claim is exempt from public disclosure, you must submit one complete copy of your offer from which you have removed or concealed such information (the redacted copy). Except for the information removed or concealed, the redacted copy must be identical to your original offer.

(d) Do not mark your entire response (bid, proposal, quote, etc.) as confidential, trade secret, or protected. If only portions of a page are subject to some protection, do not redact the entire page. The redacted copy must reflect the same pagination as the original and show the empty space from which information was redacted. The Procurement Officer must be able to view, search, copy and print the redacted copy without a password. If your response, or any part thereof, is improperly marked as confidential or trade secret or protected, the District may, in its sole discretion, determine it nonresponsive.

(e) On the redacted copy, you must identify the basis of your claim by marking each redaction as follows: You must separately mark with the word "CONFIDENTIAL" every page, or portion thereof, that you redacted and claim as exempt from public disclosure because it is either (1) a trade secret as defined in Section 30-4-40(a)(1) of the Freedom of Information Act, or (2) privileged and confidential, as that phrase is used in Section 11-35-410. You must separately mark with the words "TRADE SECRET" every page, or portion thereof, that you redacted and claim as exempt from public disclosure as a trade secret pursuant to Section 39-8-20 of the Trade Secrets Act. You must separately mark with the word "PROTECTED" every page, or portion thereof, that you redacted and claim as exempt from public disclosure pursuant to Section 11-35- 1810. All markings must be conspicuous; use color, bold, underlining, or some other method in order to conspicuously distinguish the mark from the other text.

(f) In determining whether to release documents, the District will detrimentally rely on your redaction and marking of documents, as required by these bidding instructions, as being either "Confidential" or "Trade Secret" or "Protected". By submitting a response, you agree to defend, indemnify and hold harmless the District, its officers and employees, from every claim, demand, loss, expense, cost, damage or injury, including attorney's fees, arising out of or resulting from withholding information by the District that you have redacted or marked as "Confidential" or "Trade Secret" or "Protected". (All references to S.C. Code of Laws.)

DRUG FREE WORK PLACE CERTIFICATION: By submitting an Offer, Contractor certifies that, if awarded a contract, Contractor will comply with all applicable provisions of The Drug-free Workplace Act, Title 44, Chapter 107 of the South Carolina Code of Laws, as amended.

ETHICS CERTIFICATE: By submitting an offer, the offeror certifies that the offeror has and will comply with, and has not, and will not, induce a person to violate Title 8, Chapter 13 of the South Carolina Code of Laws, as amended (ethics act). The following statutes require special attention: Section 8-13-700, regarding use of official position for financial gain; Section 8-13-705, regarding gifts to influence action of public official; Section 8-13-720, regarding offering money for advice or assistance of public official; Sections 8-13-755 and 8-13-760, regarding restrictions on employment by former public official; Section 8-13-775, prohibiting public official with economic interests from acting on contracts; Section 8-13-790, regarding recovery of kickbacks; Section 8-13-1150, regarding statements to be filed by consultants; and Section 8-13-1342, regarding restrictions on contributions by contractor to candidate who participated in awarding of contract. The district may rescind any contract and recover all amounts expended as a result of any action taken in violation of this provision. If contractor participates, directly or indirectly, in the evaluation or award of public contracts, including without limitation, change orders or task orders regarding a public contract, contractor shall, if required by law to file such a statement, provide the statement required by Section 8-13-1150 to the procurement officer at the same time the law requires the statement to be filed.

OPEN TRADE REPRESENTATION: By submitting an Offer, Offeror represents that the Offeror is not currently engaged in the boycott of a person or an entity based in or doing business with a jurisdiction with whom South Carolina can enjoy open trade, as defined SC Code Section 11-35-5300.

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DOCUMENT 002213 - SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

1.1 INSTRUCTIONS TO BIDDERS

- A. Instructions to Bidders for Project consist of the following:
1. AIA Document A701, "Instructions to Bidders."
 2. The following Supplementary Instructions to Bidders that modify and add to the requirements of the Instructions to Bidders.

1.2 SUPPLEMENTARY INSTRUCTIONS TO BIDDERS, GENERAL

- A. The following supplements modify AIA Document A701, "Instructions to Bidders." Where a portion of the Instructions to Bidders is modified or deleted by these Supplementary Instructions to Bidders, unaltered portions of the Instructions to Bidders shall remain in effect.

1.3 ARTICLE 2 - BIDDER'S REPRESENTATIONS

- A. Add Section 2.1.3.1:
1. 2.1.3.1 - The Bidder has investigated all required fees, permits, and regulatory requirements of authorities having jurisdiction and has properly included in the submitted bid the cost of such fees, permits, and requirements not otherwise indicated as provided by Owner.
- B. Add Section 2.1.6:
1. 2.1.6 - The Bidder has incorporated into the Bid adequate sums for work performed by installers whose qualifications meet those indicated in the Procurement and Contracting Documents.

1.4 ARTICLE 3 - BIDDING DOCUMENTS

- A. 3.2 - Interpretation or Correction of Procurement and Contracting Documents:
1. Add Section 3.2.2.1:
 - a. 3.2.2.1 - Submit Bidder's Requests for Interpretation using form furnished with electronic bid forms and submitted via email.
- B. 3.4 - Addenda:
1. Delete Section 3.4.3 and replace with the following:
 - a. 3.4.3 - Addenda may be issued at any time prior to the receipt of bids.
 2. Add Section 3.4.4.1:
 - a. 3.4.4.1 - Owner may elect to waive the requirement for acknowledging receipt of 3.4.4 Addenda as follows:
 - 1) 3.4.4.1.1 - Information received as part of the Bid indicates that the Bid, as submitted, reflects modifications to the Procurement and Contracting Documents included in an unacknowledged Addendum.
 - 2) 3.4.4.1.2 - Modifications to the Procurement and Contracting Documents in an unacknowledged Addendum do not, in the opinion of Owner, affect the Contract Sum or Contract Time.

1.5 ARTICLE 4 - BIDDING PROCEDURES

A. 4.1 - Preparation of Bids:

1. Add Section 4.1.1.1:

- a. 4.1.1.1 - Printable electronic Bid Forms and related documents are available from Architect.

2. Add Section 4.1.8:

- a. 4.1.8 - The Bid shall include unit prices when called for by the Procurement and Contracting Documents. Owner may elect to consider unit prices in the determination of award. Unit prices will be incorporated into the Contract.

3. Add Section 4.1.9:

- a. 4.1.9 - Owner may elect to disqualify a bid due to failure to submit a bid in the form requested, failure to bid requested alternates or unit prices, failure to complete entries in all blanks in the Bid Form, or inclusion by the Bidder of any alternates, conditions, limitations or provisions not called for.

4. Add Section 4.1.10:

- a. 4.1.10 - Bids shall include sales and use taxes. Contractors shall show separately with each monthly payment application the sales and use taxes paid by them and their subcontractors in the form indicated. Reimbursement of sales and use taxes, if any, shall be applied for by Owner for the sole benefit of Owner.

B. 4.3 - Submission of Bids:

1. Add Section 4.3.1.2:

- a. 4.3.1.2 - Include Bidder's Contractor License Number applicable in Project jurisdiction on the face of the sealed bid envelope.

C. 4.4 - Modification or Withdrawal of Bids:

1. Add the following sections to 4.4.2:

- a. 4.4.2.1 - Such modifications to or withdrawal of a bid may only be made by persons authorized to act on behalf of the Bidder. Authorized persons are those so identified in the Bidder's corporate bylaws, specifically empowered by the Bidder's charter or similar legally binding document acceptable to Owner, or by a power of attorney, signed and dated, describing the scope and limitations of the power of attorney. Make such documentation available to Owner at the time of seeking modifications or withdrawal of the Bid.
- b. 4.4.2.2 - Owner will consider modifications to a bid written on the sealed bid envelope by authorized persons when such modifications comply with the following: the modification is indicated by a percent or stated amount to be added to or deducted from the Bid; the amount of the Bid itself is not made known by the modification; a signature of the authorized person, along with the time and date of the modification, accompanies the modification. Completion of an unsealed bid form, awaiting final figures from the Bidder, does not require power of attorney due to the evidenced authorization of the Bidder implied by the circumstance of the completion and delivery of the Bid.

D. 4.5 - Break-Out Pricing Bid Supplement:

1. Add Section 4.5:

- a. 4.5 - Provide detailed cost breakdowns no later than two business days following Architect's request.

- E. 4.6 - Subcontractors, Suppliers, and Manufacturers List Bid Supplement:
1. Add Section 4.6:
 - a. 4.6 - Provide list of major subcontractors, suppliers, and manufacturers furnishing or installing products no later than two business days following Architect's request. Include those subcontractors, suppliers, and manufacturers providing work totaling three percent or more of the Bid amount. Do not change subcontractors, suppliers, and manufacturers from those submitted without approval of Architect.
- 1.6 ARTICLE 5 - CONSIDERATION OF BIDS
- A. 5.2 - Rejection of Bids:
1. Add Section 5.2.1:
 - a. 5.2.1 - Owner reserves the right to reject a bid based on Owner's and Architect's evaluation of qualification information submitted following opening of bids. Owner's evaluation of the Bidder's qualifications will include: status of licensure and record of compliance with licensing requirements, record of quality of completed work, record of Project completion and ability to complete, record of financial management including financial resources available to complete Project and record of timely payment of obligations, record of Project site management including compliance with requirements of authorities having jurisdiction, record of and number of current claims and disputes and the status of their resolution, and qualifications of the Bidder's proposed Project staff and proposed subcontractors.
- 1.7 ARTICLE 6 - POSTBID INFORMATION
- A. 6.1 - Contractor's Qualification Statement:
1. Add Section 6.1.1:
 - a. 6.1.1 - Submit Contractor's Qualification Statement no later than two business days following Architect's request.
- B. 6.3 - Submittals:
1. Add Section 6.3.1.4:
 - a. 6.3.1.4 - Submit information requested in Sections 6.3.1.1, 6.3.1.2, and 6.3.1.3 no later than two business days following Architect's request.
- 1.8 ARTICLE 7 - PERFORMANCE BOND AND PAYMENT BOND
- A. 7.1 - Bond Requirements:
1. Add Section 7.1.1.1:
 - a. 7.1.1.1 - Both a Performance Bond and a Payment Bond will be required, each in an amount equal to 100 percent of the Contract Sum.
- B. 7.2 - Time of Delivery and Form of Bonds:
1. Delete the first sentence of Section 7.2.1 and insert the following:
 - a. The Bidder shall deliver the required bonds to Owner no later than 10 days after the date of Notice of Intent to Award and no later than the date of execution of the Contract, whichever occurs first. Owner may deem the failure of the Bidder to deliver required bonds within the period of time allowed a default.

2. Delete Section 7.2.3 and insert the following:
 - a. 7.2.3 - Bonds shall be executed and be in force on the date of the execution of the Contract.

1.9 ARTICLE 9 - EXECUTION OF THE CONTRACT

A. Add Article 9:

1. 9.1.1 - Subsequent to the Notice of Intent to Award, and within 10 days after the prescribed Form of Agreement is presented to the Awardee for signature, the Awardee shall execute and deliver the Agreement to Owner through Architect, in such number of counterparts as Owner may require.
2. 9.1.2 - Owner may deem as a default the failure of the Awardee to execute the Contract and to supply the required bonds when the Agreement is presented for signature within the period of time allowed.
3. 9.1.3 - Unless otherwise indicated in the Procurement and Contracting Documents or the executed Agreement, the date of commencement of the Work shall be the date of the executed Agreement.
4. 9.1.4 - In the event of a default, Owner may declare the amount of the Bid security forfeited and elect to either award the Contract to the next responsible bidder or re-advertise for bids.

END OF DOCUMENT 002213

DOCUMENT 002513 - PREBID MEETINGS (STATED IN THE INVITATION/ADVERTISEMENT TO BID)

1.1 PREBID MEETING

- A. Architect will conduct a Prebid meeting as indicated below:
1. Meeting Date: August 7, 2024.
 2. Meeting Time: 2:00 p.m.
 3. Location: Lancaster County School District Facilities, 1321 Springdale Road, Lancaster, SC 29720. Each site will be visited following Prebid meeting.
- B. Attendance:
1. Prime Bidders: Attendance at Prebid meeting is recommended.
 2. Subcontractors: Attendance at Prebid meeting is recommended.
 3. Notice: Bids will only be accepted from prime bidders represented on Prebid Meeting sign-in sheet.
- C. Agenda: Prebid meeting agenda will include review of topics that may affect proper preparation and submittal of bids, including the following:
1. Procurement and Contracting Requirements:
 - a. Instructions to Bidders.
 - b. Bidder Qualifications.
 - c. Bonding.
 - d. Insurance.
 - e. Bid Security.
 - f. Bid Form and Attachments.
 - g. Bid Submittal Requirements.
 - h. Bid Submittal Checklist.
 - i. Notice of Award.
 2. Communication during Bidding Period:
 - a. Obtaining documents.
 - b. Access to Project Web site.
 - c. Bidder's Requests for Information.
 - d. Bidder's Substitution Request/Prior Approval Request.
 - e. Addenda.
 3. Contracting Requirements:
 - a. Agreement.
 - b. The General Conditions.
 - c. The Supplementary Conditions.
 - d. Other Owner requirements.
 4. Construction Documents:
 - a. Scopes of Work.
 - b. Temporary Facilities.
 - c. Use of Site.
 - d. Work Restrictions.
 - e. Alternates, Allowances, and Unit Prices.
 - f. Substitutions following award.
 5. Separate Contracts:
 - a. Work by Owner.

- b. Work of Other Contracts.
- 6. Schedule:
 - a. Project Schedule.
 - b. Contract Time.
 - c. Liquidated Damages.
 - d. Other Bidder Questions.
 - 7. Site/facility visit or walkthrough.
 - 8. Post-Meeting Addendum.

END OF DOCUMENT 002513

DOCUMENT 002600 - PROCUREMENT SUBSTITUTION PROCEDURES

1.1 DEFINITIONS

- A. Procurement Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Procurement and Contracting Documents, submitted prior to receipt of bids.
- B. Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Contract Documents, submitted following Contract award. See Section 012500 "Substitution Procedures" for conditions under which Substitution requests will be considered following Contract award.

1.2 QUALITY ASSURANCE

- A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

1.3 PROCUREMENT SUBSTITUTIONS

- A. Procurement Substitutions, General: By submitting a bid, the Bidder represents that its bid is based on materials and equipment described in the Procurement and Contracting Documents, including Addenda. Bidders are encouraged to request approval of qualifying substitute materials and equipment when the Specifications Sections list materials and equipment by product or manufacturer name.
- B. Procurement Substitution Requests will be received and considered by Owner when the following conditions are satisfied, as determined by Architect; otherwise requests will be returned without action:
 - 1. Extensive revisions to the Contract Documents are not required.
 - 2. Proposed changes are in keeping with the general intent of the Contract Documents, including the level of quality of the Work represented by the requirements therein.
 - 3. The request is fully documented and properly submitted.

1.4 SUBMITTALS

- A. Procurement Substitution Request: Submit to Architect. Procurement Substitution Request must be made in writing by prime contract Bidder only in compliance with the following requirements:
 - 1. Requests for substitution of materials and equipment will be considered if received no later than 10 days prior to date of bid opening.
 - 2. Submittal Format: Submit three copies of each written Procurement Substitution Request, using form bound in Project Manual.
 - 3. Submittal Format: Submit Procurement Substitution Request, using format provided on Project Web site.
 - a. Identify the product or the fabrication or installation method to be replaced in each request. Include related Specifications Sections and drawing numbers.
 - b. Provide complete documentation on both the product specified and the proposed substitute, including the following information as appropriate:
 - 1) Point-by-point comparison of specified and proposed substitute product data, fabrication drawings, and installation procedures.
 - 2) Copies of current, independent third-party test data of salient product or system characteristics.

- 3) Samples where applicable or when requested by Architect.
 - 4) Detailed comparison of significant qualities of the proposed substitute with those of the Work specified. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
 - 5) Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
 - 6) Research reports, where applicable, evidencing compliance with building code in effect for Project, from ICC-ES.
 - 7) Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner and separate contractors, which will become necessary to accommodate the proposed substitute.
- c. Provide certification by manufacturer that the substitute proposed is equal to or superior to that required by the Procurement and Contracting Documents, and that its in-place performance will be equal to or superior to the product or equipment specified in the application indicated.
 - d. Bidder, in submitting the Procurement Substitution Request, waives the right to additional payment or an extension of Contract Time because of the failure of the substitute to perform as represented in the Procurement Substitution Request.
- B. Architect's Action:
1. Architect may request additional information or documentation necessary for evaluation of the Procurement Substitution Request. Architect will notify all bidders of acceptance of the proposed substitute by means of an Addendum to the Procurement and Contracting Documents.
- C. Architect's approval of a substitute during bidding does not relieve Contractor of the responsibility to submit required shop drawings and to comply with all other requirements of the Contract Documents.

END OF DOCUMENT 002600

DOCUMENT 004313 - BID SECURITY FORMS

1.1 BID FORM SUPPLEMENT

- A. A completed bid bond form is required to be attached to the Bid Form.

1.2 BID BOND FORM

- A. AIA Document A310-2010 "Bid Bond" is the recommended form for a bid bond. A bid bond acceptable to Owner, or other bid security as described in the Instructions to Bidders, is required to be attached to the Bid Form as a supplement.
- B. Copies of AIA standard forms may be obtained from The American Institute of Architects; <https://www.aiacontracts.org/>; email: docspurchases@aia.org; (800) 942-7732.

END OF DOCUMENT 004313

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DOCUMENT 004321 - ALLOWANCE FORM

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: LCSD Career Center Greenhouse .
- C. Project Location: 625 Normandy Road, Lancaster, SC 29720.
- D. Owner: Lancaster County School District.
- E. Architect: LS3P Associates LTD.
- F. Architect Project Number: 2201-240266.

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder certifies that Base Bid submission to which this Bid Supplement is attached includes those allowances described in the Contract Documents and scheduled in Section 012100 "Allowances."

1.3 SUBMISSION OF BID SUPPLEMENT

- A. Respectfully submitted this ____ day of _____, 2024.
- B. Submitted By: _____(Insert name of bidding firm or corporation).
- C. Authorized Signature: _____(Handwritten signature).
- D. Signed By: _____(Type or print name).
- E. Title: _____(Owner/Partner/President/Vice President).

END OF DOCUMENT 004321

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DOCUMENT 004373—PROPOSED SCHEDULE OF VALUES FORM

1.1 BID FORM SUPPLEMENT

- A. A completed Proposed Schedule of Values form is required to be attached to the Bid Form.

1.2 PROPOSED SCHEDULE OF VALUES FORM

- A. Proposed Schedule of Values Form: Provide a breakdown of the bid amount, including alternates, in enough detail to facilitate continued evaluation of bid. Coordinate with the Project Manual table of contents. Provide multiple line items for principal material and subcontract amounts in excess of five percent of the Contract Sum.
- B. Arrange schedule of values using AIA Document G703-1992.
 - 1. Copies of AIA standard forms may be obtained from the American Institute of Architects; <https://www.aiacontracts.org/library>; (800) 942-7732.

END OF DOCUMENT 004373

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DOCUMENT 004393 - BID SUBMITTAL CHECKLIST

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Prime Contract: _____.
- C. Project Name: LCSD Career Center Greenhouse .
- D. Project Location: 625 Normandy Road, Lancaster, SC 29720.
- E. Owner: Lancaster County School District.
- F. Architect: Tyler McKenzie, tylermckenzie@ls3p.com.
- G. Architect Project Number: 2201-240266.

1.2 BIDDER'S CHECKLIST

- A. In an effort to assist the Bidder in properly completing all documentation required, the following checklist is provided for the Bidder's convenience. The Bidder is solely responsible for verifying compliance with bid submittal requirements.
- B. Attach this completed checklist to the outside of the Submittal envelope.
 - 1. Used the Bid Form provided in the Project Manual.
 - 2. Prepared the Bid Form as required by the Instructions to Bidders.
 - 3. Indicated on the Bid Form the Addenda received.
 - 4. Attached to the Bid Form: Bid Supplement Form - Allowances.
 - 5. Attached to the Bid Form: Proposed Schedule of Values Form.
 - 6. Attached to the Bid Form: Bid Bond OR a certified check for the amount required.
 - 7. Bid envelope shows name and address of the Bidder.
 - 8. Bid envelope shows the Bidder's Contractor's License Number.
 - 9. Bid envelope shows name of Project being bid.
 - 10. Bid envelope shows name of Prime Contract being bid, if applicable.
 - 11. Bid envelope shows time and day of Bid Opening.
 - 12. Verified that the Bidder can provide executed Performance Bond and Labor and Material Bond.
 - 13. Verified that the Bidder can provide Certificates of Insurance in the amounts indicated.

END OF DOCUMENT 004393

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SECTION 006000 - PROJECT FORMS

1.1 FORM OF AGREEMENT AND GENERAL CONDITIONS

- A. The following form of Owner/Contractor Agreement and form of the General Conditions shall be used for Project:
1. AIA Document A101-2017 "Standard Form of Agreement between Owner and Contractor Where the Basis of Payment is a Stipulated Sum."
 - a. The General Conditions for Project are AIA Document A201-2017 "General Conditions of the Contract for Construction."
 2. The General Conditions are incorporated by reference.
 3. The Supplementary Conditions for Project are incorporated into a modified copy of the General Conditions included in the Project Manual.

1.2 ADMINISTRATIVE FORMS

- A. Administrative Forms: Additional administrative forms are specified in Division 01 General Requirements.
- B. Copies of AIA standard forms may be obtained from the American Institute of Architects; www.aiacontractdocsaiaincontracts.org; (800) 942-7732.
- C. Preconstruction Forms:
1. Form of Performance Bond and Labor and Material Bond: AIA Document A312-2010 "Performance Bond and Payment Bond."
 2. Form of Certificate of Insurance: AIA Document G715-2017 "Supplemental Attachment for ACORD Certificate of Insurance 25."
- D. Information and Modification Forms:
1. Form for Requests for Information (RFIs): AIA Document G716-2004 "Request for Information (RFI)."
 2. Form of Request for Proposal: AIA Document G709-2018 "Proposal Request."
 3. Change Order Form: AIA Document G701-2017 "Change Order."
 4. Form of Architect's Memorandum for Minor Changes in the Work: AIA Document G710-2017 "Architect's Supplemental Instructions."
 5. Form of Change Directive: AIA Document G714-2017 "Construction Change Directive."
- E. Payment Forms:
1. Schedule of Values Form: AIA Document G703-1992 "Continuation Sheet."
 2. Payment Application: AIA Document G702-1992/703-1992 "Application and Certificate for Payment and Continuation Sheet."
 3. Form of Contractor's Affidavit: AIA Document G706-1994 "Contractor's Affidavit of Payment of Debts and Claims."
 4. Form of Affidavit of Release of Liens: AIA Document G706A-1994 "Contractor's Affidavit of Payment of Release of Liens."
 5. Form of Consent of Surety: AIA Document G707-1994 "Consent of Surety to Final Payment."

END OF SECTION 006000

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DOCUMENT 006325 – REQUEST FOR SUBSTITUTION FORM

Project: LCSD Career Center Greenhouse Project No.: 2201-240266
 To: LS3P Associates LTD Specification Section _____
701-A Lady Street
Columbia, SC 29201 Contractor: _____
 Attn.: Allen Taylor Requested by: _____
 Phone: 803-765-2418 Phone: _____
 Fax: _____ Fax: _____
 Email: allentaylor@ls3p.com Email: _____

Reason for not providing specified item: _____

Savings to Owner for accepting substitution: _____
Specified Product/Fabrication Method
 (List name/description; model no.; manufacturer): _____

Required Information for *Specified* Product: Attached:
Point by Point Comparative Product Data
 Tests
 Reports
 Fabrication Drawings
 Samples (Where Applicable)

Proposed Product/Fabrication Method
 (List trade name/description; model no.; manufacturer) : _____

Required Information for *Proposed* Product: Attached:
 Point by Point Comparative Product Data (Required)
 Tests
 Reports
 Fabrication Drawings
 Samples (Where Applicable)

List of Related Changes/Modifications: _____

Differences between proposed
substitution
and specified product:

Proposed product/fabrication
method
affects other parts of the Work

No Yes:
Explain

Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product as utilized for this project, except as noted herein.
- Qualifications of manufacturer, installer, and other specified parties meet the specified qualifications.
- Same special warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source for replacement parts, as applicable, is available as that specified.
- Proposed substitution does not affect dimensions and functional clearances, except as noted herein.
- Proposed substitution complies with requirements in the Contract Documents and is appropriate for applications indicated.
- Failure of proposed substitution to produce indicated results will not be considered grounds for additional payment or time.

For the Contractor:

Submitted by: _____

Signed: _____

Firm: _____

Telephone: _____

Fax: _____

Email: _____

**For the
Manufacturer:**

Submitted by: _____

Signed: _____

Firm: _____

Telephone: _____

Fax: _____

Email: _____

END OF DOCUMENT 006325

DIGITAL DATA LETTER OF AGREEMENT

An Agreement between LS3P ASSOCIATES LTD. (the "Architect") and ___ (the "Licensee," either Original or Third Party, as the case may be) for Licensing of Digital Data

Architect: LS3P ASSOCIATES LTD.
701 Lady Street #A
Columbia, SC 29201
Contact: Tyler McKenzie
(tylermckenzie@ls3p.com)

Licensee:
Original ___
3rd Party ___

Project No.: 2201-240266
Project Name: LCSD Career Center Greenhouse
Location: Lancaster, SC
Date: _____

The Architect will provide the following Digital Data, dated as of the particular transmission, to the Licensee **for information purposes only:**

Sheet XXX (.dwg format)
Sheet XXX (.dwg format)
Sheet XXX (.dwg format)
Sheet XXX (.dwg format)

Digital Data was prepared using the following:

Software: AutoCAD (.dwg) **Version:**

Digital Data to be delivered via the following media: Newforma Website posting

Licensee shall pay the Architect a service fee of \$30.00 and other good and valuable consideration.

TERMS AND CONDITIONS

1. The Architect and its consultants make no representation as to the compatibility of the Digital Data with any hardware or software. The Licensee shall notify the Architect within five (5) business days of any problems associated with accessing and/or using the Digital Data.
2. The Licensee acknowledges and agrees that the Digital Data may change or degrade during the transmission process. The Licensee acknowledges and agrees that the Architect and its consultants may remove all indications of ownership from the Digital Data prior to transmission.
3. All Digital Data shall be considered the property of the Architect and/or its consultants and shall not be used for other Projects, for additions to this Project without the prior written permission of the Architect and/or its consultants. Digital Data shall not be re-transmitted by the Original Licensee to a Third-Party Licensee without prior execution of an agreement identical to this Agreement between the Architect, the Original Licensee, and the Third-Party Licensee. Under no circumstances shall the transmission of the Digital Data be considered a sale of goods or a sale of copyrights.

4. **THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS HEREBY EXPRESSLY DISCLAIM ANY AND ALL WARRANTIES, BOTH EXPRESS AND IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AS WELL AS ANY WARRANTY OF ACCURACY, COMPLETENESS, AND/OR PERMANENCE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.** Addenda information and/or revisions made to the most current Digital Data after any date of transmission have not been incorporated into the transmitted Digital Data. In the event of a conflict between the Architect's printed instruments of service (2D Documents) whether sealed or unsealed) and the Digital Data (3D Model), the printed instruments of service shall govern. The Licensee acknowledges and agrees that the duty to determine the existence of any and all conflicts between the Digital Data and any other information upon which the Licensee relies rests solely upon the Licensee. The Digital Data shall not be considered Contract Documents or Construction Documents as defined by any General Conditions of Contract for Construction. The Digital Data is being provided for information only and on a strictly "AS IS" basis.

5. Licensee agree the extent of its reliance on any Digital Data shall be limited to the uses identified in this Agreement.

6. Licensee may use and rely upon the Digital Data only for programming, site analysis, design review, 3D coordination of structural, mechanical, plumbing, and electrical systems, and preconstruction activities.

7. The Level of Development (LOD) describes the minimum dimensional, spatial, quantitative, qualitative, and other data included in the Digital Data to support the uses and reliance included in this Agreement. The LOD of the Digital Data transmitted is LOD 200. LOD 200 is defined as model and model elements that are generically and graphically represented within the Digital Data with approximate quantity of major components, size, shape, location, and orientation.

8. If Licensee discovers or becomes aware of any discrepancies, inconsistencies, errors, or omissions in any Digital Data transmitted, they shall promptly report the discrepancy, inconsistency, error, or omission in writing to the Architect. Licensee shall not use any discrepancy, inconsistency, error, or omission in the Digital Data as the basis of a claim.

9. Any reliance on the Digital Data not in accordance with this Agreement shall be at the sole risk of the Licensee.

10. The use and/or provision of the Digital Data prepared by the Architect and/or its consultants shall not in any way reduce or obviate the Licensee's duty to check and coordinate dimensions, details, and quantities of materials as required to facilitate construction of the Project in a complete and quality manner consistent with the applicable standards of care. Confirmation of existing conditions is the sole responsibility of the Licensee.

11. The Licensee agrees to the extent permitted by applicable law, to indemnify, hold harmless, and release the Architect and/or its consultants, their officers, shareholders, employees, and sub-consultants from any and all injuries, claims, demands, expenses, suits, liabilities, losses, damages, costs, disputes, other matters in question, third party claims, pass-through claims, subrogated claims, and/or claim expenses related to the Digital Data, including but not limited to, attorneys' fees, expert witness fees, and court costs arising out of or in any way related to or connected with any negligent act and/or omission in the generation, provision, and/or use of the Digital Data by the Licensee and/or any of its subcontractors, suppliers, and/or consultants and waive any and all rights to such claims and causes of action.

12. The Licensee waives damages against the Architect for any and all injuries, claims, losses, expenses, damages, disputes, other matters in question, and/or claim expenses arising out of or relating to this Agreement and/or generation, provision, and/or use of the Digital Data, including, but not limited to, consequential damages and reasonable attorneys' fees and defense costs.

13. The Architect's and/or the Architect's consultants' liability to the Licensee and/or any of its subcontractors, suppliers, and/or consultants for any and all injuries, claims, losses, expenses, damages, disputes, other matters in question, third party claims, pass-through claims, subrogated claims, and/or claim expenses arising out of or relating to this Agreement and/or the Digital Data, including, but not limited to, reasonable attorneys' fees and defense costs, regardless of the nature of the claim or damage, shall not exceed, either individually or in the aggregate, the total amount of \$1,000.00. Such causes include, but are not limited to, the Architect's and/or the Architect's consultants' negligence, errors, omissions, strict liability, breach of contract, and/or breach of warranty.

14. To the best of the Architect's knowledge, information and belief, there are no licensing or copyright fees due to others based on the transmission of the Digital Data, but to the extent that such unknown fees do exist, the Licensee agrees to pay the required fees and hold the Architect and/or its consultants harmless from any associated costs or penalties.

15. Upon execution of this Agreement, the Architect grants to the Licensee a non-exclusive, non-transferable (except as set forth herein), limited license to use the Digital Data solely and exclusively for informational purposes on the identified Project only, provided that the Licensee substantially performs its obligations under this Agreement.

16. Any purchase order number provided by the Licensee is for the Licensee's accounting purposes only. The Licensee acknowledges and agrees that purchase order terms and conditions are null, void, and inapplicable to this Agreement.

17. This Agreement constitutes the entire agreement between the parties relative to the Digital Data and shall be governed by the laws of the State of South Carolina without regard to principles of conflicts of law.

AUTHORIZED ACCEPTANCE

by Architect:
LS3P ASSOCIATES LTD.

by Original Licensee:

Signature

Signature

Print Name and Title

Print Name and Title

Date

Date

by Third Party Licensee:

Signature

Print Name and Title

Date

WE SO CONSENT:

by Owner:

Signature

Print Name and Title

Date

SECTION 323113 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Fence framework, fabric, and accessories.
2. Excavation for post bases.
3. Concrete foundation for posts and center drop for gates.
4. Manual gates and related hardware.

1.2 SYSTEM DESCRIPTION

- A. Fence Height: As indicated on drawings.
- B. Line Post Spacing: At intervals not exceeding 8 feet.
- C. Fence Post and Rail Strength: Conform to ASTM F1043 Heavy Industrial Fence quality.

1.3 SUBMITTALS

- A. Shop Drawings: Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, gates, and schedule of components.
- B. Product Data: Fabric, posts, accessories, fittings and hardware.

1.4 QUALITY ASSURANCE

- A. Supply material according to CLFMI - Product Manual.
- B. Perform installation according to ASTM F567.
- C. Manufacturer: Company specializing in manufacturing products specified in this Section with three (3) years' experience.
- D. Installer: Company specializing in performing work of this Section with three (3) years' experience and approved by manufacturer.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Framing (Steel): ASTM F1083 Schedule 40 galvanized steel pipe, welded construction, minimum yield strength of 25 ksi; coating conforming to ASTM F1043 Type A on pipe exterior and interior.
- B. Fabric Wire (Steel): ASTM F668 PVC coated steel wire.
- C. Barbed Wire: PVC-coated steel strands with galvanized steel barbs; 12 gage thick wire, 2 strands, 4 points at [3] inch o.c.
- D. Concrete: Normal Sulfate-resisting portland cement, 3,000 psi strength at 28 days complying with ASTM C94.

2.2 COMPONENTS

- A. Line Posts: 2.5 inch diameter.
- B. Corner and Terminal Posts: 3.5 inch.
- C. Gate Posts: 3.5 inch diameter.
- D. Top and Brace Rail: 1.66 inch diameter, plain end, sleeve coupled.
- E. Gate Frame: 2 inch diameter for end post at hinges and 1.66 inch diameter for remainder of gate frame, fittings and truss rod fabrication.
- F. Fabric: 1.75 inch diamond mesh interwoven wire, 9 gage thick, top salvage knuckle end closed, twisted tight, bottom selvage knuckle end closed.
- G. Tension Wire: 7 gage thick steel, single strand, marcelled, spiraled or crimped, aluminum-coated tension wire conforming to ASTM A824.
- H. Tension Band: 0.105 inch thick steel (12 gage).
- I. Tension Strap: 0.105 inch thick steel (12 gage).
- J. Tie Wire: Aluminum alloy steel wire.

2.3 ACCESSORIES

- A. Caps: Galvanized pressed steel or Malleable iron, galvanized; sized to post diameter; set screw retainer.
- B. Fittings: Sleeves, bands, clips, rail ends, tension bars, fasteners and fittings; galvanized steel.

- C. Extension Arms: Galvanized pressed steel, to accommodate three strands of barbed wire, single arm, sloped to 45 degrees.
- D. Gate Hardware: Center gate stop and drop rod and Mechanical keepers; 180 degree gate hinges for each leaf and hardware for padlock accessible from both sides of gate.

2.4 GATES

A. General:

- 1. Gate Types, Opening Widths and Directions of Operation: As indicated.
- 2. Factory assemble gates.
- 3. Conform to requirements specified for PVC-coated steel chain link fence except that PVC-coated aluminum alloy framing conforming to ASTM B429/B429M may be used.
- 4. Design gates for operation by one person.

B. Swing Gates:

- 1. Fabricate gates to permit 180 degree swing.
- 2. Gates Construction: ASTM F900 with welded corners. Use of corner fittings is not permitted.

C. Sliding Gates:

- 1. Framing and Posts: ASTM F1184, Class 2 for internal rollers.
- 2. Rollers for overhead and cantilever sliding gates: Bearing type. Furnish non-sealed bearings with grease fitting for periodic maintenance.
- 3. Secure rollers to post or frame without welding.

D. Cantilever Sliding Gates:

- 1. Fabricate gate leaf frames and tracks of aluminum conforming to ASTM B429/B429M alloy 6063-T6 or as required to meet performance requirements of ASTM F1184.
- 2. Frame Members: Minimum 2 inches 0.91 lb. per ft aluminum tubing welded assembly forming rigid, one-piece unit.
- 3. Install fabric securely stretched and held in center of tubing.
- 4. Brace cantilever overhang frames with 3/8 inch brace rods. For gate leaf sizes greater than 23 feet, fabricate with additional lateral support rail welded adjacent to top and bottom horizontal rails.
- 5. Provide minimum overhang for each leaf opening size as follows:
 - a. Up to 10'-0": 6'-6"
 - b. 10'-0" to 14'-0": 7'-6"
 - c. 14'-1" to 22'-0": 10'-0"
 - d. 22'-1"to 30'-0": 12'-0"
- 6. Track: Combined, integral track and rail.
- 7. Rail: Aluminum extrusion; minimum total weight of 3.72 lb. per ft; designed to withstand reaction load of 2,000 lb.

8. Roller Track Assembly: Two swivel type, zinc, die cast trucks having four, sealed lubricant ball bearing wheels minimum 2 inches diameter by 9/16 inches width designed for same reaction load as rail. Provide two side-rolling wheels for each gate leaf to maintain alignment of truck in track.
9. Fasten trucks to post brackets by minimum 7/8 inch diameter, 1/2 inch shank ball bolts.
10. Provide galvanized steel guide wheel assemblies consisting of two rubber wheels of minimum 4 inch diameter with oil-impregnated bearings for each supporting post.
11. Attach guide wheel assembly to post so bottom horizontal member rolls between wheels and permitting adjustment to maintain plumb gate frames and proper alignment.

2.5 FINISHES

- A. Components and Fabric: Vinyl coating, black color according to ASTM F934 as selected.
- B. Vinyl Components: Black color to match fabric as selected.
- C. Hardware: Galvanized to ASTM A153/A153M, 1.8 oz per sq ft coating. Black vinyl coating.
- D. Accessories: Same finish as framing and fabric.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install framework, fabric, accessories and gates according to ASTM F567.
- B. Set end, corner, intermediate line, and gate posts plumb, in concrete footings with top of footing 6 inches below finish grade. Slope top of concrete for water runoff.
- C. Line Post Footing Depth Below Finish Grade: 3 feet.
- D. Corner, Gate and Terminal Post Footing Depth Below Finish Grade: 3 feet.
- E. Brace each gate and corner post to adjacent line post with horizontal center brace rail and diagonal truss rods. Install brace rail one bay from end and gate posts.
- F. Install top rail through line post tops and splice with 6 inch long rail sleeves.
- G. Install center and bottom brace rail on corner gate leaves.
- H. Place fabric on outside of posts and rails.
- I. Do not stretch fabric until concrete foundation has cured 7 days.

- J. Stretch fabric between terminal posts or at intervals of 100 feet maximum, whichever is less.
- K. Position bottom of fabric 1 inch above finished grade.
- L. Fasten fabric to top rail, line posts, braces, and bottom tension wire with tie wire at maximum 15 inches on centers.
- M. Attach fabric to end, corner, and gate posts with tension bars and tension bar clips.
- N. Install bottom tension wire stretched taut between terminal posts.
- O. Install support arms sloped outward and attach barbed wire; tension and secure.
- P. Support gates from gate posts. Do not attach hinged side of gate from building wall.
- Q. Install gate with fabric and barbed wire overhang, if applicable, to match fence. Install three hinges on each gate leaf, latch, catches, retainer and locking clamp.
- R. Provide concrete center drop to footing depth and drop rod retainers at center of double gate openings.
- S. Connect to existing fence at new terminal post.
- T. Install posts with 6 inches maximum clear opening from end posts to buildings, fences and other structures.
- U. Excavate holes for posts to diameter and spacing indicated on Drawings without disturbing underlying materials.
- V. Center and align posts. Place concrete around posts and vibrate or tamp for consolidation. Verify vertical and top alignment of posts and make necessary corrections.
- W. Extend concrete footings 1 inch above grade, and trowel, forming crown to shed water.
- X. Allow footings to cure minimum seven days before installing fabric and other materials attached to posts.

3.2 ERECTION TOLERANCES

- A. Maximum Variation from Plumb: 1/4 inch.
- B. Maximum Offset from Indicated Position: 1 inch.
- C. Minimum distance from property line: 6 inches.

END OF SECTION 323113

SECTION 323223 - SEGMENTAL RETAINING WALLS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Foundation.
2. Precast concrete modular units.
3. Foundation drain.
4. Free-draining backfill.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

A. Manufactured Modular Wall:

1. Basis of Measurement: By square face foot.
2. Basis of Payment: Includes services and components required for complete wall system, including but not limited to design and installation of precast concrete modular retaining wall system, excavation, reinforced concrete footing, modular units, geotextile, foundation drain, and backfill.

1.3 SYSTEM DESCRIPTION

- A. Retaining Wall System: Vertical and Battered wall of stepped or uniform height formed from precast concrete modular facing and tieback units in straight, curved or undulating configuration on reinforced concrete footing or coarse aggregate base with foundation drain, backfill, and coping.

1.4 DESIGN REQUIREMENTS

A. General

1. Do not change indicated horizontal and vertical alignment of retaining walls, except as specified in this Section.
2. Design retaining walls to be within following specified design parameters and limits of allowable foundation bearing pressure.

- B. Design footing wall facing and tieback units according to specified NCMA requirements and following:

1. External Stability Factor of Safety:
 - a. Base Sliding: 1.5.
 - b. Overturning: 1.5.

- c. Bearing Capacity: 2.0.
 - d. Global Stability: 1.3.
2. Internal Stability Factor of Safety:
 - a. Shear Capacity: 1.5.
3. Design Geometry:
 - a. Provide length, height, and overall elevations of retaining wall as indicated.
 - b. Measure structure's design height, H, from top of footing to top of wall where ground surface intercepts wall facing.
 - c. See Drawings for slopes above and below sections of segmental retaining wall.
4. Minimum Wall Embedment: Greater of height of a modular unit, 0.5 feet, or following minimum embedment required for slope below wall:
 - a. Level: H/10.
 - b. 3: 1: H/10
 - c. 2: 1: H/7
5. Surcharges: Apply following surcharges to top of each design cross section based on following uses above wall.
 - a. No Traffic: zero lb./sq. ft.
 - b. Light Traffic: 100 lb./sq. ft.
 - c. Heavy Traffic: 250 lb./sq. ft.
6. Lateral Earth Pressure: Calculate lateral earth pressure to be resisted by self-weight of retaining wall using Coulomb coefficient of earth pressure, K_a , times vertical stress at base of wall. Use coefficient of active earth pressure, K_a , from top to bottom of wall. Assume coefficient of active earth pressure, K_a , independent of external loads except sloping fills. For sloping fills, use coefficient of active earth pressure, K_a , appropriate for sloping condition, using Coulomb earth pressure in analysis.
7. Inclination of Failure Surface: Assume Coulomb failure surface passing through base of wall behind facing units up to ground surface at or above top of wall in design of wall.
8. Settlement Control: Design Engineer will be responsible to determine if foundation soils will require special treatment to control total and differential settlement.
9. Global Stability: Design Engineer will be responsible to determine if further design considerations must be implemented to ensure adequate global/overall slope stability.
10. Dead Loads for Wall:

- a. Unit Weight of Concrete: 150 pcf.
- b. Unit Weight of Backfill Material: 120 pcf.
- c. Equivalent Fluid Earth Pressure: 35 pcf.

11. Live Loads for Wall:

- a. Vehicle Impact Loading: 10 kip/5 ft.

12. Foundation Data for Wall:

- a. Allowable Bearing Pressure: 2.5 ksf.

1.5 PERFORMANCE REQUIREMENTS

- A. Design Engineer is responsible for indicating proposed system that considers allowable bearing pressure, external stability and internal stability, including global stability, total and differential settlement.
- B. Design walls for locations and to overall dimensions indicated, utilizing specified backfill and foundation parameters.
- C. Use no experimental or demonstration-type design concepts; or products, structures, or elements not preapproved by Architect/Engineer, in design.
- D. Design Life of Structure: 75 years.

1.6 SUBMITTALS

- A. Shop Drawings:
 - 1. Manufactured Modular Wall - Modular Units and Support: Indicate type of wall, location, length, top elevation, bottom of footer elevation, cross sections including backfill material type and limits, and quantities. Show complete layout plans and fabrication details for precast wall units, and step-by-step erection instructions. Indicate, unit locations, architectural details, support items, dimensions, openings, and relationship to adjacent materials, signed and sealed by professional design engineer.
 - 2. Temporary Support System: Detail specific load-bearing falsework, underpinning, needling, or shoring layout and support members appropriate for Project conditions.
- B. Product Data: Cast modular units, and other accessories.
- C. Samples:
 - 1. Two of each cast modular unit, illustrating profiles, finish, texture and color.

- D. Design Data: Furnish following signed and sealed by a professional design engineer:
 - 1. Calculations for manufactured modular wall including height of precast units, overall wall stability including sliding stability and overturning stability, and forces acting on wall and footing, precast facing and tieback units according to design requirements.
 - 2. Details and computations for any required temporary shoring, bracing and temporary support of excavation.
- E. Documentation of experience in list of at least five projects of similar construction and scope which substantiate experience for system. Include brief description of each project and name and phone number of owner's representative knowledgeable in each listed project.
- F. Test Reports: Indicate certified tests results for precast concrete at manufacturing facility, cast-in-place concrete in field, and granular backfill.
- G. Manufacturer's Installation Instructions: Include construction sequence and scheme and following:
 - 1. Excavation and required bracing.
 - 2. Placement of footing.
 - 3. Placement of precast concrete facing units and tieback units.
 - 4. Placement of drainage, backfill and geotextile.
- H. Manufacturer's Certificate: Products meet or exceed specified requirements.
- I. Manufacturer's Field Reports: Indicate field observations and conclusions as to compliance to specifications, action items, and resolution of installation issues.

1.7 QUALITY ASSURANCE

- A. Perform precast work according to requirements of PCI MNL-116S, PCI MNL-123, and PCI MNL-120.
- B. Perform required manufactured modular retaining walls work according to NCMA, TR 127A, and NCMA, TR 146.
- C. Manufacturer: Company specializing in manufacturing manufactured modular retaining wall systems with three years' experience.
- D. Installer: Company specializing in performing work of this Section with five years' experience and approved by manufacturer.
- E. Design and construct manufactured modular retaining wall including temporary support under direct supervision of professional engineer experienced in design of this work and licensed in State of SC.

1.8 FIELD MEASUREMENTS

- A. Verify field measurements prior to fabrication.

1.9 COORDINATION

- A. Coordinate work with wall penetrations, connection to storm water system, affected utility companies, and utility adjustments.

PART 2 - PRODUCTS

2.1 FOUNDATION MATERIALS

- A. Coarse Aggregate: As specified by the retaining wall designer and manufacturer.
- B. Concrete: As specified by the retaining wall designer and manufacturer.

2.2 WALL SYSTEM MATERIALS

- A. Manufacturers:

- 1. Anchor Wall Systems, Inc.
- 2. Keystone Retaining Wall Systems, Inc.
- 3. Kiltie Corp.: Versa-Lok Retaining Wall Systems Division.
- 4. Ridge Rock Retaining Walls, Inc.
- 5. Rockwood Retaining Walls, Inc.
- 6. Substitutions: Permitted.

- B. Furnish materials according to manufacturer's standards.

- C. Modular Face and Tieback Units:

- 1. Product Description: ASTM C1372 and NCMA TEK 2-4A, precast solid concrete units, zero slump molded under high vibration and pressure, with a cast finish:
 - a. Standard units: Closed face containing off-set tongue and groove for self-battering, chamfered unit facing to create random block appearance and form exterior facia.
 - b. Coping units: Same as standard units without tongue
 - c. Tie-back Units: Manufacturer's standard reinforced unit as required for specified design conditions according to Shop Drawings.

- 2. Concrete Materials:

- a. Portland Cement: ASTM C150, Gray portland, Type 1, Type 1A, Type IIA, or Type V, as conditions require.

- b. Aggregates: Aggregate, sand, water, fibers, admixtures: determined by precast fabricator, as appropriate to design requirements and PCI MNL-116S, no slag, no admixtures containing chlorides.
3. Reinforcing Steel: ASTM A615/A615M, 60 ksi yield grade, deformed billet bars, uncoated finish.

2.3 BACKFILL AND DRAINAGE SYSTEM

A. Aggregate:

1. Coarse Aggregate Backfill: ASTM D448, AASHTO Size No. 57 hard, durable, angular gravel, crushed gravel, or crushed stone, or combination of gravel, crushed gravel, or crushed stone, no slag.
2. Soil Backfill: Inorganic, uncontaminated compatible Site soil, free-draining, non-frost susceptible granular material with not more than 5 percent passing No. 200 sieve.

B. Filter Fabric:

1. Geotextile Filter Fabric: AASHTO M288 and ASTM D4751, non-biodegradable, non-woven, polyester filter fabric suitable of segregation of particulate materials.

C. Foundation Drain Pipe

1. Foundation Drain Pipe: ASTM D3034, SDR 35 polyvinyl chloride (PVC), perforated pipe.

2.4 CONCRETE MIX:

- A. Compressive Strength: ASTM C140; minimum 4000 psi at 28 days.
- B. Freeze/Thaw and Maximum Moisture Absorption Rate: ASTM C1262, 5 percent to ensure adequate freeze thaw protection.
- C. Slump: ASTM C143/C143M, zero slump.

2.5 FABRICATION

- A. Concrete Wall Modules: 8H x 18W x 12D inches with maximum tolerance of plus or minus 1/8 inch for each dimension.
- B. Retaining Wall Modules: Solid units with minimum weight of 75 lb. per unit.
- C. Concrete Wall Modules: Fabricate with offset integral shear key connection to permit minimum wall batter of 3°.

2.6 PLANT FINISHING - PRECAST CONCRETE

- A. Finish surfaces of precast concrete units uniform in color and appearance.
- B. Cure units under identical conditions to develop required concrete quality, and minimize appearance blemishes including non-uniformity, staining, or surface cracking.
- C. Finish units to PCI MNL-116S Standard grade.

2.7 FABRICATION TOLERANCES

- A. Maximum Variation from Indicated Dimensions: 1/8 inch for overall dimensions for width, height, and length.

2.8 SOURCE QUALITY CONTROL (AND TESTS)

- A. Maintain plant records and quality control program during production of cast units. Make records available upon request.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify Site conditions and foundation soil bearing capacity after excavation.
- B. Verify with Architect/Engineer base of undercut, if any, to complete necessary removal of unsuitable material and replacement of material with coarse aggregate.

3.2 DEWATERING

- A. Furnish, install, operate and maintain satisfactory dewatering systems as required to maintain excavation in dry and workable condition. Provide equipment and materials and continue as long as necessary.
- B. Remove ground water by pumping or other methods to prevent softening of surfaces exposed by excavation without removing fines from subsoil.
- C. Lower ground water levels within excavation areas 12 inches, minimum below bottom of excavations.
- D. Place dewatering system in operation before excavating below ground water level. Operate system continuously until work below existing ground water levels is complete.

3.3 EXCAVATION AND FOOTER

- A. Provide temporary support of excavation when required according to Section 312316 – Excavation and Shop Drawings.
- B. Excavate to indicated lines and elevations according to Section 312316 – Excavation.
- C. Grade foundation for structure level for width 2 feet or greater than length of tieback units or as indicated.
- D. Proof roll foundation bearing surface in presence of Engineer to meet AASHTO T235 and minimum allowable bearing pressure.
- E. Remove and replace foundation soil including unsuitable soils to minimum depth of 12 inches with compacted coarse aggregate material.
- F. Provide and properly cure reinforced cast-in-place footing, 12 inches minimum thickness according to ACI 301 and 318 to dimensions indicated in shop drawing.
- G. Place bottom of footing at 36 inches minimum depth below finished ground elevation unless otherwise indicated.

3.4 DRAINAGE AND BACKFILL

- A. Set non-woven geotextile against back of first retaining wall unit, over prepared foundation, and extend along bottom towards back of excavation, up excavation face and back over top of free draining coarse aggregate backfill to retaining wall, or as indicated.
- B. Place perforated structure foundation drainage pipe behind footing. Lay pipe at minimum gradient of 2 percent to ensure drainage to free outlets. Incorporate drain pipe in continuous 1 foot by 1 foot drainage cell encased in geotextile.
- C. Place and compact coarse aggregate free draining backfill material in maximum 12 inch lifts.
- D. Place and compact soil backfill material above free draining backfill and geotextile from top of wall to finished ground in maximum 8 inch lifts.
- E. Maintain optimum or less moisture content of backfill materials to attain required compaction density.
- F. Allow no heavy compaction equipment within 3 feet of back of wall fascia.
- G. Seed, mulch, and fertilize finished ground from top of wall to existing grade according to Section 329219 – Seeding.

3.5 INSTALLATION OF MODULAR UNITS

- A. Assemble units as shown on Shop Drawings and according to manufacturer's recommendations.
- B. Connect tie-back units to standard facing units by interlocking tongue and groove and support in rear with standard units. Align tie backs vertically in alternate courses on 8 foot o.c.
- C. Place first course of precast concrete modular retaining wall units on concrete footing or coarse aggregate base. Ensure that wall modules are aligned properly, leveled from side to side and front to back and are in complete contact with footer or base.
- D. Place wall modules above bottom course such that tongue and groove arrangement provides design batter of wall face. Place successive courses to create running bond pattern with edge of units being approximately aligned with middle of unit in course below it.
- E. Place units side by side for full length of wall alignment. Ensure correct retaining wall lines, curves, jogs, and steps for first course.
- F. Sweep excess material and remove burrs from top of units before placing additional levels to ensure that no dirt, concrete or other foreign materials become lodged between successive lifts of wall modules. Install next course maintaining required vertical alignment as shown on Shop Drawings. Stagger full bearing of concrete units over vertical joints below. Do not use blocks, wedges, or other devices for permanent shimming of wall units.
- G. Place maximum of three courses of wall units above level of drainage material at any time.
- H. Check level of wall modules with each lift to ensure that no gaps are formed between successive lifts.
- I. Repeat erection sequence until indicated grades are achieved.
- J. Secure coping units to top of wall with two 3/8 inch beads of flexible concrete adhesive positioned 2 inches in front and behind tongue of last course of retaining wall units.
- K. Handle and erect concrete units carefully so as to avoid damage to units. Replace any members damaged to extent where their aesthetics or structural integrity is compromised.

3.6 ERECTION TOLERANCES

- A. Following tolerances are maximum allowable deviation from indicated construction:

1. Vertical Control: plus or minus 1-1/4 inches over a 10 foot distance, plus or minus 3 inches total.
 2. Horizontal Control: plus or minus 1-1/4 inches over a 10 foot distance, plus or minus 3 inches total.
 3. Rotation: plus or minus 2 degrees from planned wall batter.
 4. Bulging: 1 inch over a 10 foot distance.
- B. Maximum Offset from Indicated Alignment: 3".

3.7 FIELD QUALITY CONTROL

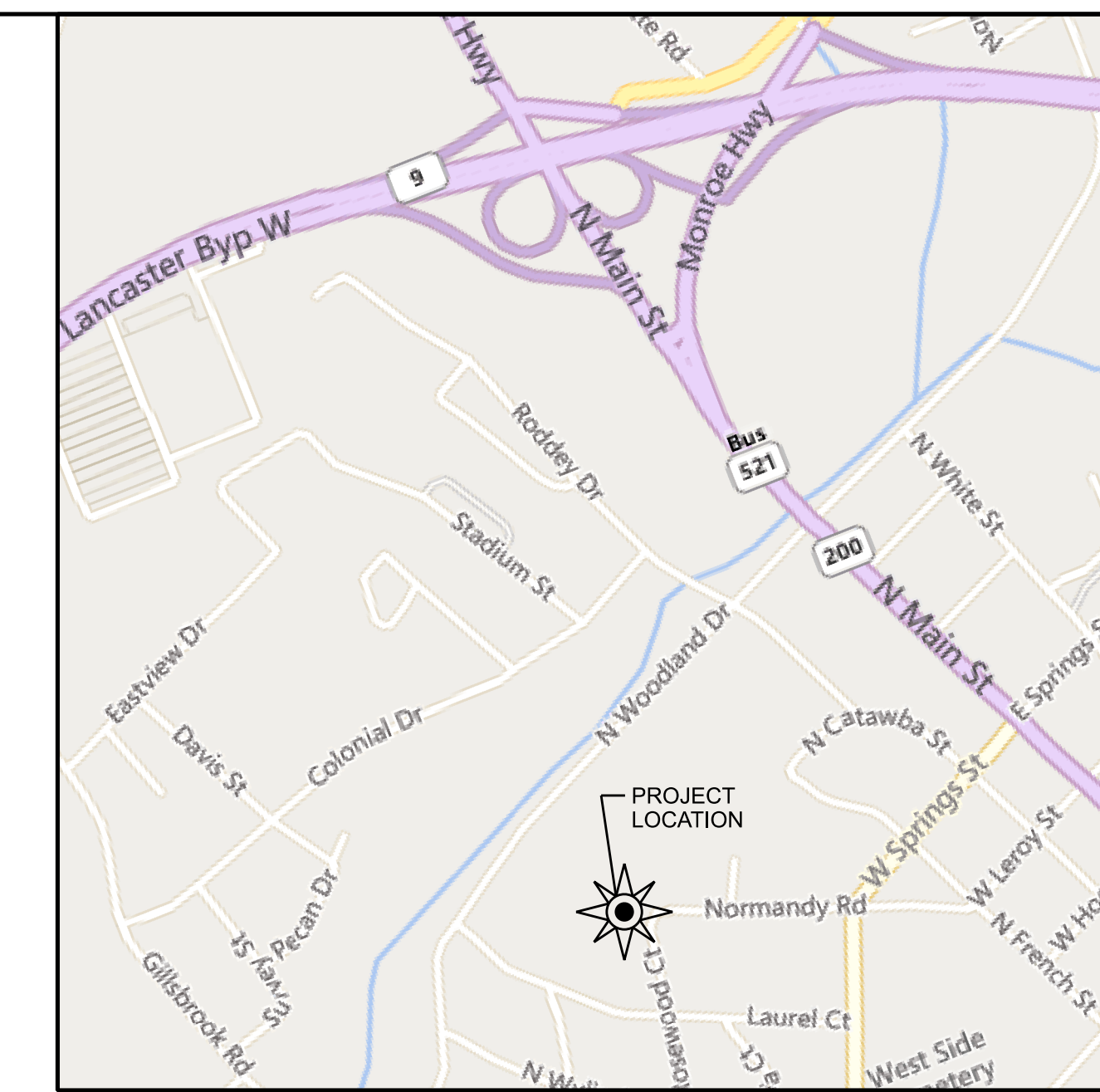
- A. Compaction Testing: As specified in Section 312323 – Fill.
- B. When tests indicate work does not meet specified requirements, remove work, replace, and retest.
- C. Frequency of Compaction Testing: Two for each lift.

END OF SECTION 323223

PROJECT:

LANCASTER COUNTY SCHOOL DISTRICT CAREER CENTER GREENHOUSE

625 NORMANDY ROAD
LANCASTER, SC 29720



PROJECT LOCATION MAP
SCALE: NTS



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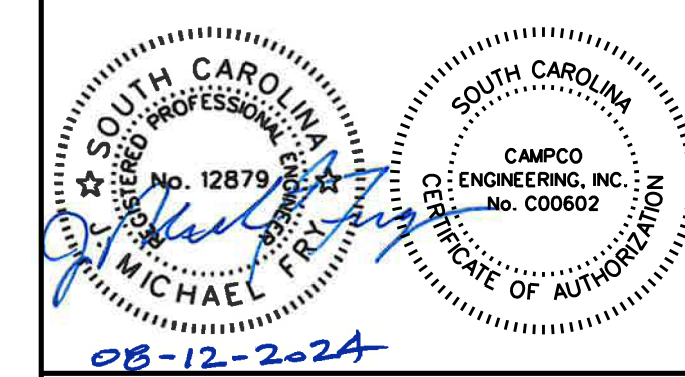
LANCASTER COUNTY
SCHOOL DISTRICT
CAREER CENTER
GREENHOUSE

625 NORMANDY RD,
LANCASTER, SC 29720



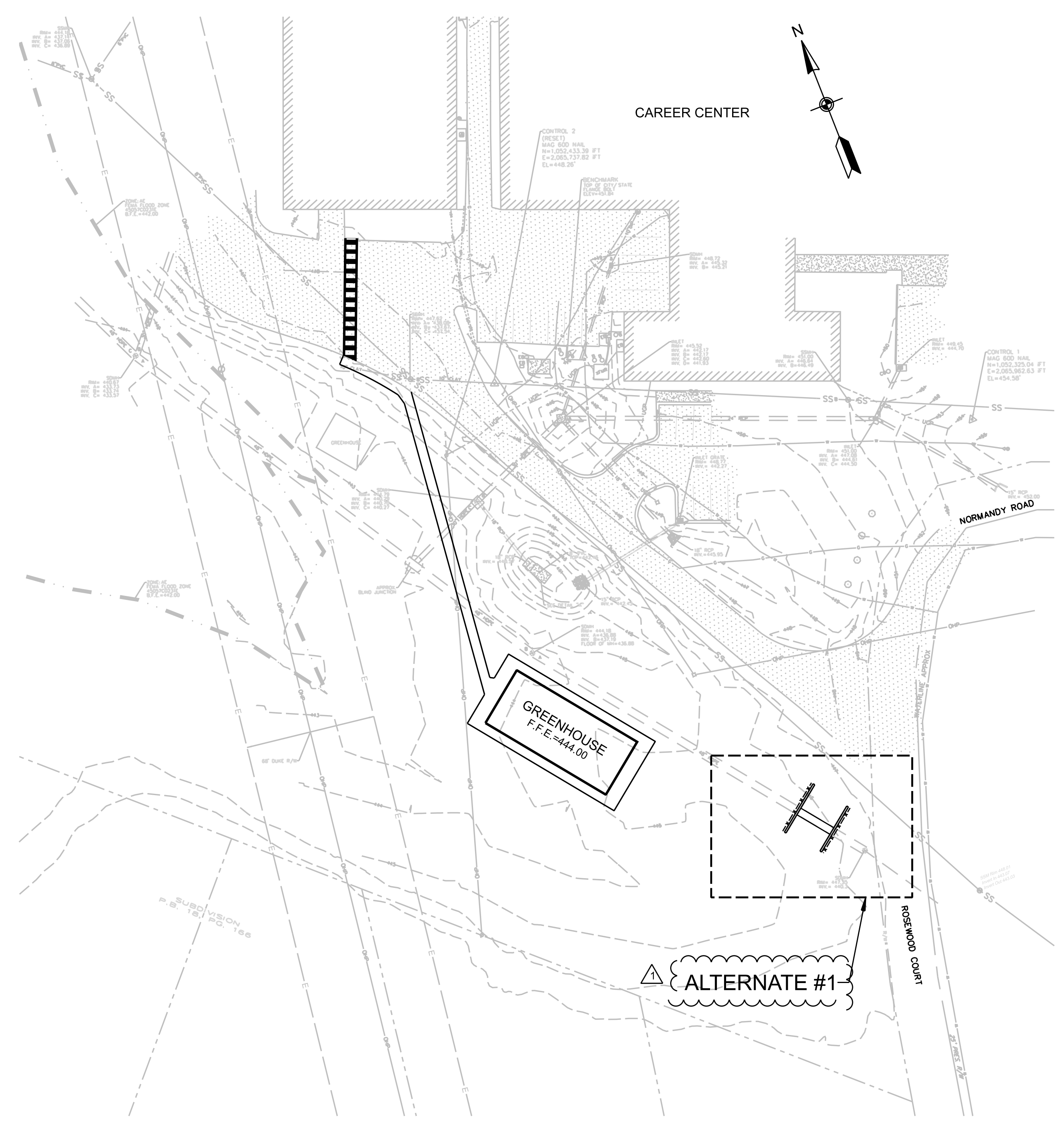
REVISIONS		
NO.	DATE	DESCRIPTION
1	08-12-24	ADDENDUM #1

COVER SHEET



CE: 9901 ISSUED: 07-10-2024
SCALE: 1"=40' CAD FILE: 9901CVC100

C100



KEY MAP
SCALE: 1"=40'

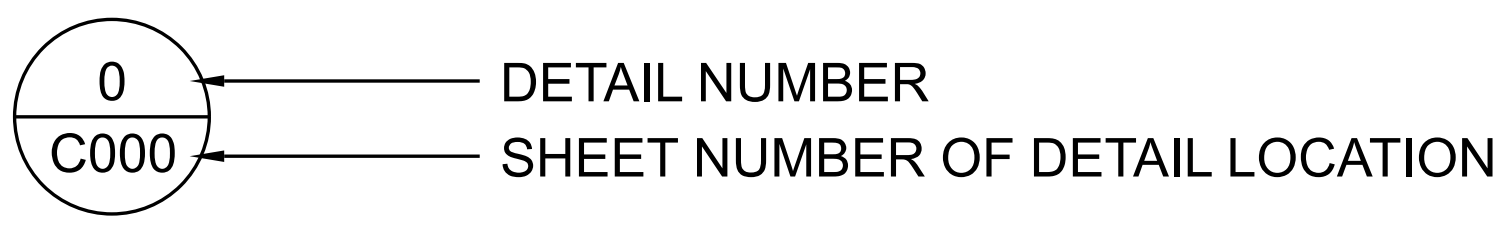
OWNER

LANCASTER COUNTY SCHOOL DISTRICT
300 S. CATAWBA STREET
LANCASTER, SC 29720
P: (803) 416-8806
WWW.LANCASTERCSD.COM

CIVIL ENGINEER

CAMPCO ENGINEERING, INC
156 OAKLAND AVENUE, SUITE 100
ROCK HILL, SC 29730
P: (803) 327-7121
WWW.CAMPCOENGINEERING.COM

DETAIL REFERENCE SYMBOL



CIVIL PLAN INDEX

- C100 COVER SHEET
- C200 SURVEY PLAN
- C300 SITE PLAN
- C301 SITE DETAILS
- C400 GRADING/ DRAINAGE PLAN
- C500 EROSION CONTROL PLAN
- C501 EROSION CONTROL DETAILS
- C502 EROSION CONTROL DETAILS
- C600 WATER & SANITARY SEWER SERVICE PLAN
- C601 WATER & SANITARY SEWER SERVICE DETAILS

GENERAL CONSTRUCTION NOTES

1. EXISTING PLANIMETRIC AND TOPOGRAPHIC INFORMATION WAS OBTAINED FROM SURVEY BY DONALDSON GARRETT & ASSOCIATES, INC. DATED FEBRUARY 22, 2024.
2. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE FIELD OR ON THE PLANS.
3. MAINTENANCE OF TRAFFIC DURING CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH SCDOT STANDARDS AND SPECIFICATIONS.
4. ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE SAFETY STANDARDS AND REQUIREMENTS.
5. ALL EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT SOUTH CAROLINA 811 AT WWW.SC811.COM OR CALL 811 - 72 HOURS PRIOR TO DIGGINGS.
6. THE CONTRACTOR SHALL COORDINATE RELOCATION/REMOVAL OF EXISTING UTILITIES WITH THE UTILITY OWNER AS APPLICABLE.
7. THE CONTRACTOR SHALL REPAIR ALL EXISTING CONDITIONS DAMAGED BY CONSTRUCTION TO THE ORIGINAL CONDITION.
8. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR THE PROJECT AND THE REQUIREMENTS OF CITY OF LANCASTER, SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC), AND THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT), WHERE APPLICABLE.
9. FOR SCDOT STANDARD DRAWINGS REFERENCED IN THE CONSTRUCTION PLANS SEE THE SCDOT STANDARD DRAWING MANUAL.
10. ALL MATERIALS, CONSTRUCTION, AND PLANS ARE TO COMPLY WITH CURRENT CITY OF LANCASTER STANDARD SPECIFICATIONS AND DETAILS.
11. THE DESIGN OF ALL EROSION CONTROL AND STORMWATER MANAGEMENT FEATURES FOR WATER QUALITY AND WATER QUANTITY AND OTHER BMPs, STORM DRAIN PIPING AND MANHOLES, CULVERTS, DITCHES, SWALES AND OTHER CHANNELS, ALL OUTFALLS TO THEIR RECEIVING WATERS, IN ADDITION TO ALL ROAD INFRASTRUCTURE, SANITARY SEWER AND WATER UTILITIES, AS PRESENTED HEREIN, HAS BEEN COMPLETED FROM FIELD SURVEY INFORMATION PREPARED BY A LICENSED SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR.



Campco Engineering, Inc.
Consulting Engineers since 1974

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(803) 327-7121 WWW.CAMPCOENGINEERING.COM

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LANCASTER COUNTY SCHOOL DISTRICT CAREER CENTER GREENHOUSE

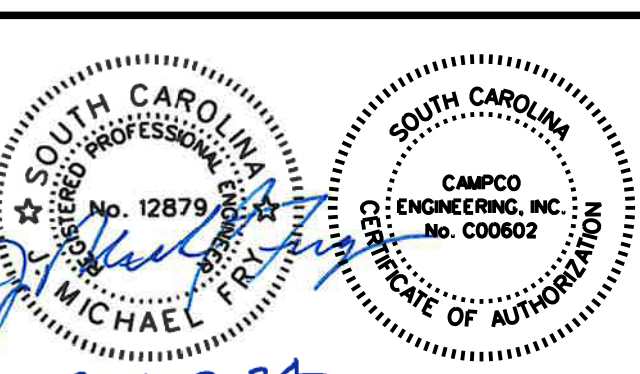
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NO.	DATE	DESCRIPTION
1	08-12-24	ADDENDUM #1

SITE PLAN

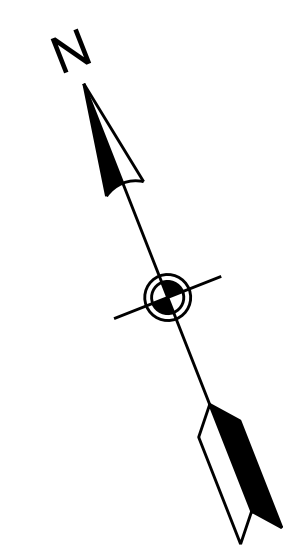


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C300

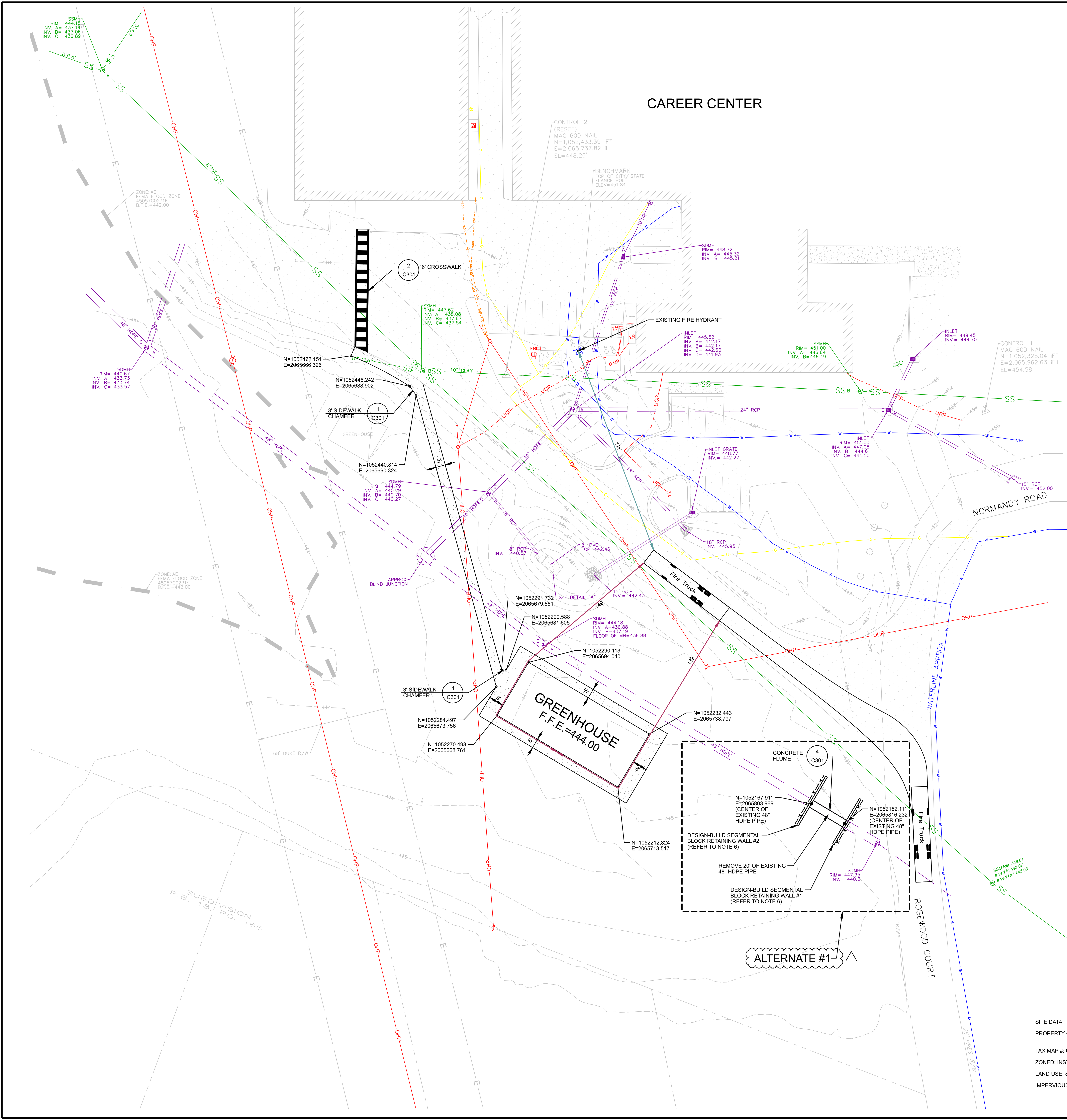
CAREER CENTER



CONTROL 2
(RESET)
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E=2,065,737.82 FT
EL=448.26'

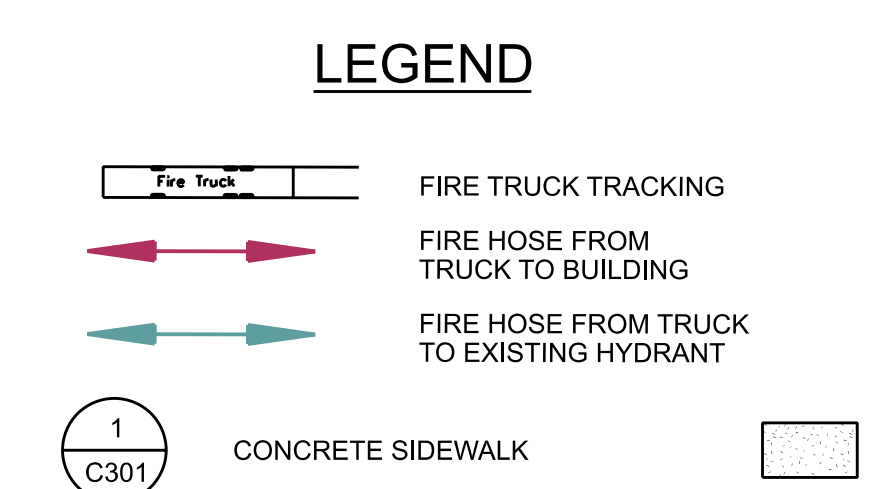
BENCHMARK
TOP OF CITY STATE
FLANGE BOL
ELEV=451.84

CONTROL 1
MAG 600 NAIL
N=1,052,325.04 FT
E=2,065,962.63 FT
EL=454.58'



STAKING NOTES:

1. ALL DIMENSIONS ARE TO BACK OF CURB WHERE CURB AND GUTTER IS SHOWN, TO FACE OF BUILDING, TO EDGE OF PAVEMENT, OR TO PROPERTY LINE UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE 90 DEGREES UNLESS OTHERWISE NOTED.
3. ALL RADII ARE 3 FEET UNLESS OTHERWISE NOTED.
4. REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS.
5. COORDINATE CONSTRUCTION AND LOCATION OF SIDEWALKS AND ACCESS DOORS WITH ARCHITECTURAL PLANS.
6. RETAINING WALLS SHALL BE DESIGN-BUILD AND CONSTRUCTION OF SEGMENTAL BLOCK DESIGN-BUILD INCLUDES FOUNDATION DETAILS AND DESIGNS PROVIDED BY LICENSED STRUCTURAL ENGINEER. COORDINATE LOCATIONS ARE AT BACK OF TOP OF WALL. REFER TO PLAN SHEET C301 FOR RETAINING WALLS PLAN AND PROFILE.



SITE DATA:
PROPERTY OWNER: LANCASTER COUNTY BOARD OF EDUCATION
TAX MAP #: 0067L-0D-013.00
ZONED: INSTITUTIONAL
LAND USE: SCHOOL
IMPERVIOUS CALCULATIONS: BUILDING- 2,336 S.F.
CONCRETE- 2,399 S.F.





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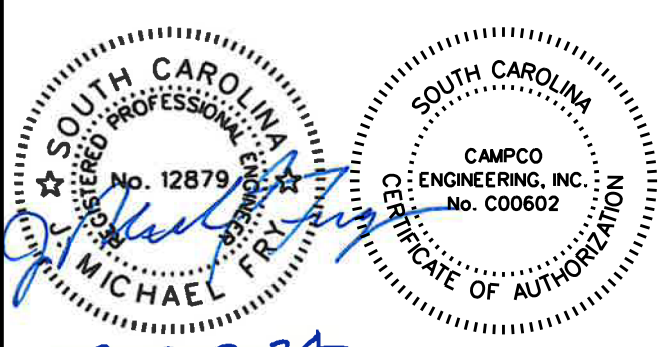
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NO.	DATE	DESCRIPTION
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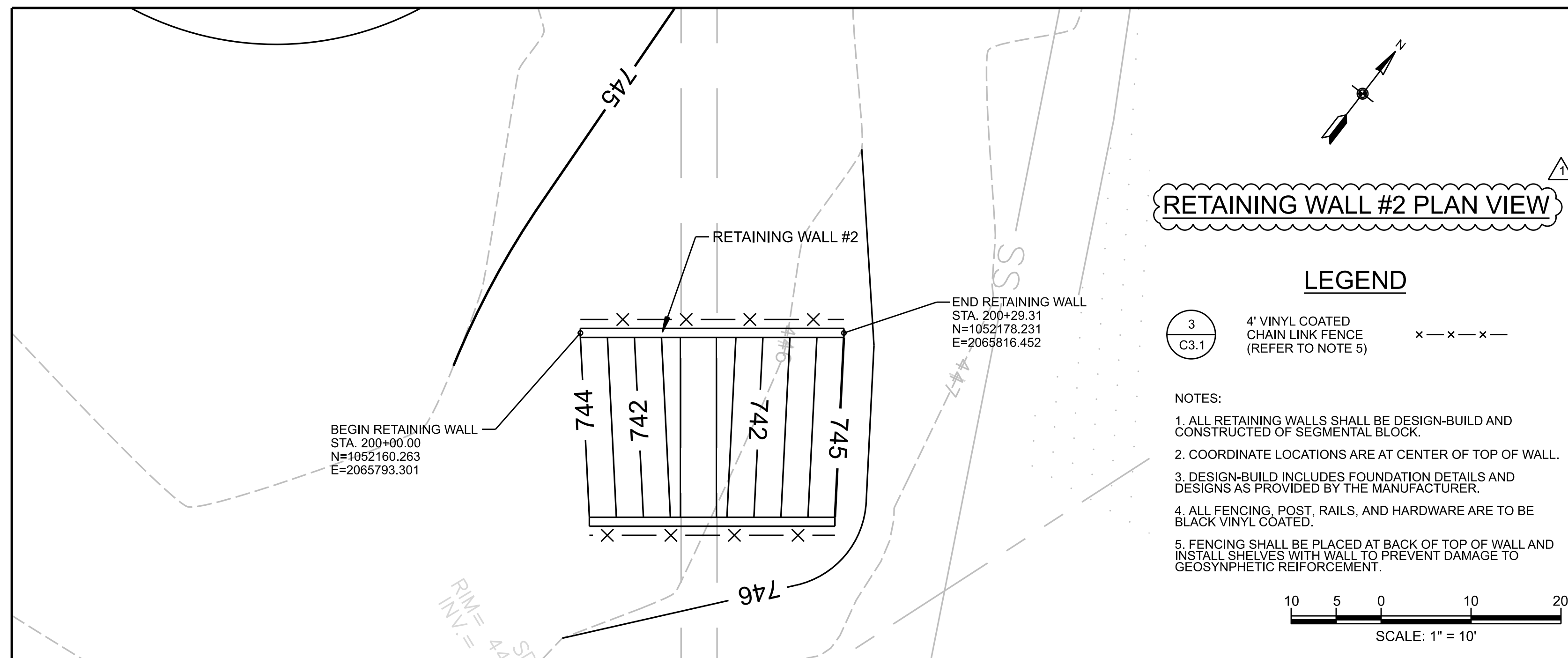
SITE DETAILS



08-12-2024

CE: 9901 ISSUED: 07-10-2024
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C301

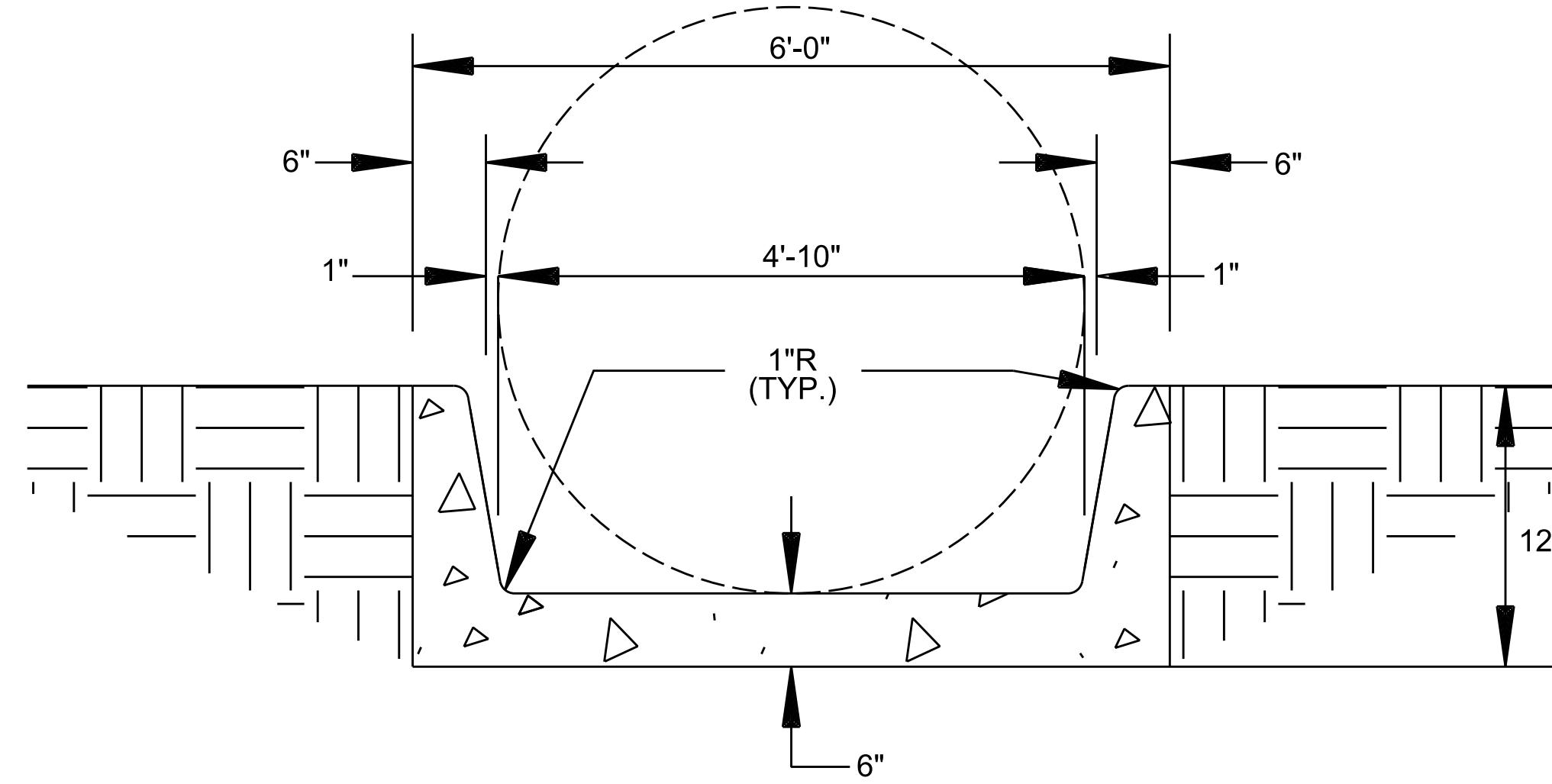
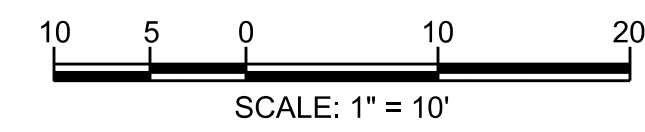


RETAINING WALL #2 PLAN VIEW

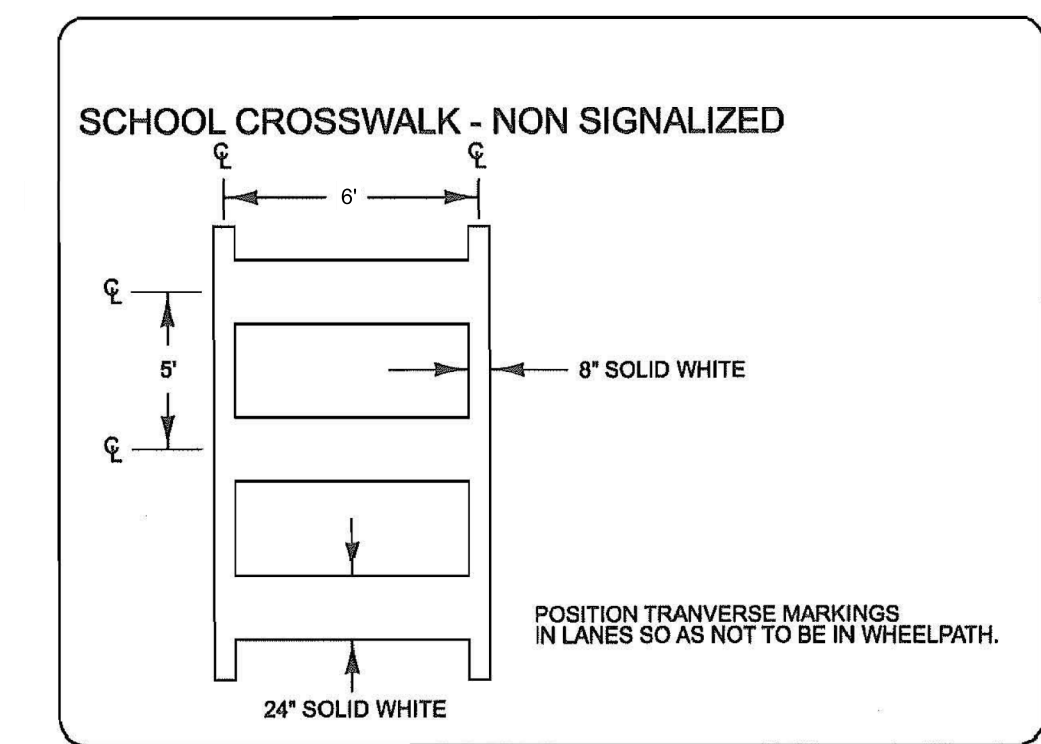
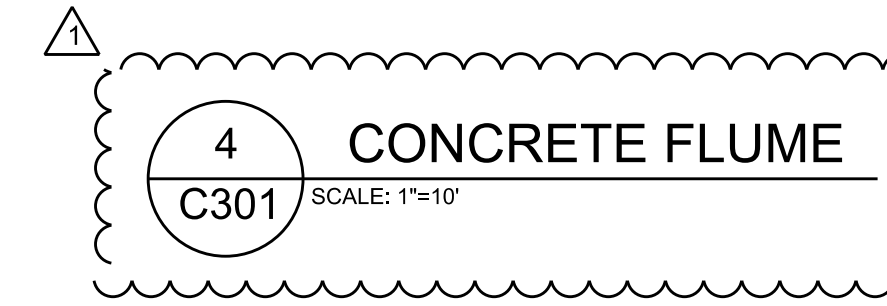
LEGEND

3 C3.1 4" VINYL COATED CHAIN LINK FENCE (REFER TO NOTE 5) x - - - x - - -

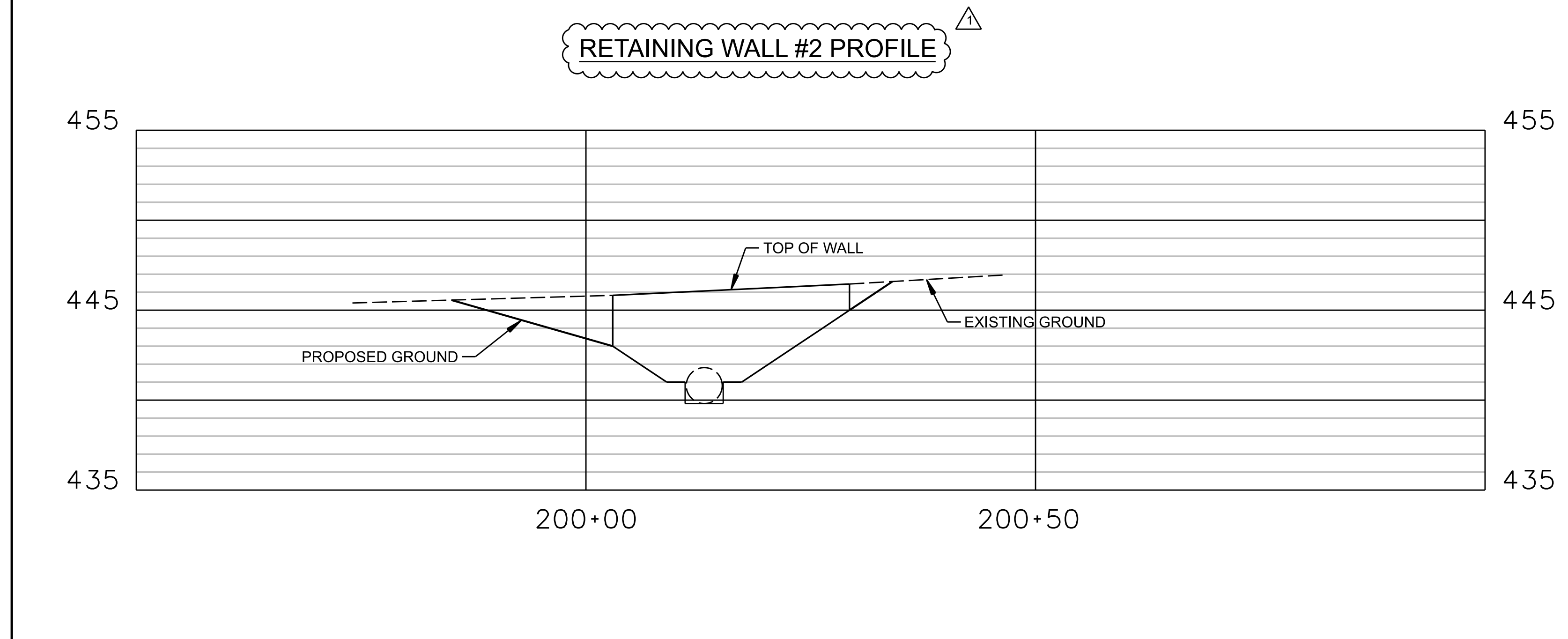
- NOTES:
1. ALL RETAINING WALLS SHALL BE DESIGN-BUILD AND CONSTRUCTED OF SEGMENTAL BLOCK.
 2. COORDINATE LOCATIONS ARE AT CENTER OF TOP OF WALL.
 3. DESIGN-BUILD INCLUDES FOUNDATION DETAILS AND DESIGNS AS PROVIDED BY THE MANUFACTURER.
 4. ALL FENCING, POST, RAILS, AND HARDWARE ARE TO BE BLACK VINYL COATED.
 5. FENCING SHALL BE PLACED AT BACK OF TOP OF WALL AND INSTALL SHELVESS WITH WALL TO PREVENT DAMAGE TO GEOSYNTHETIC REINFORCEMENT.



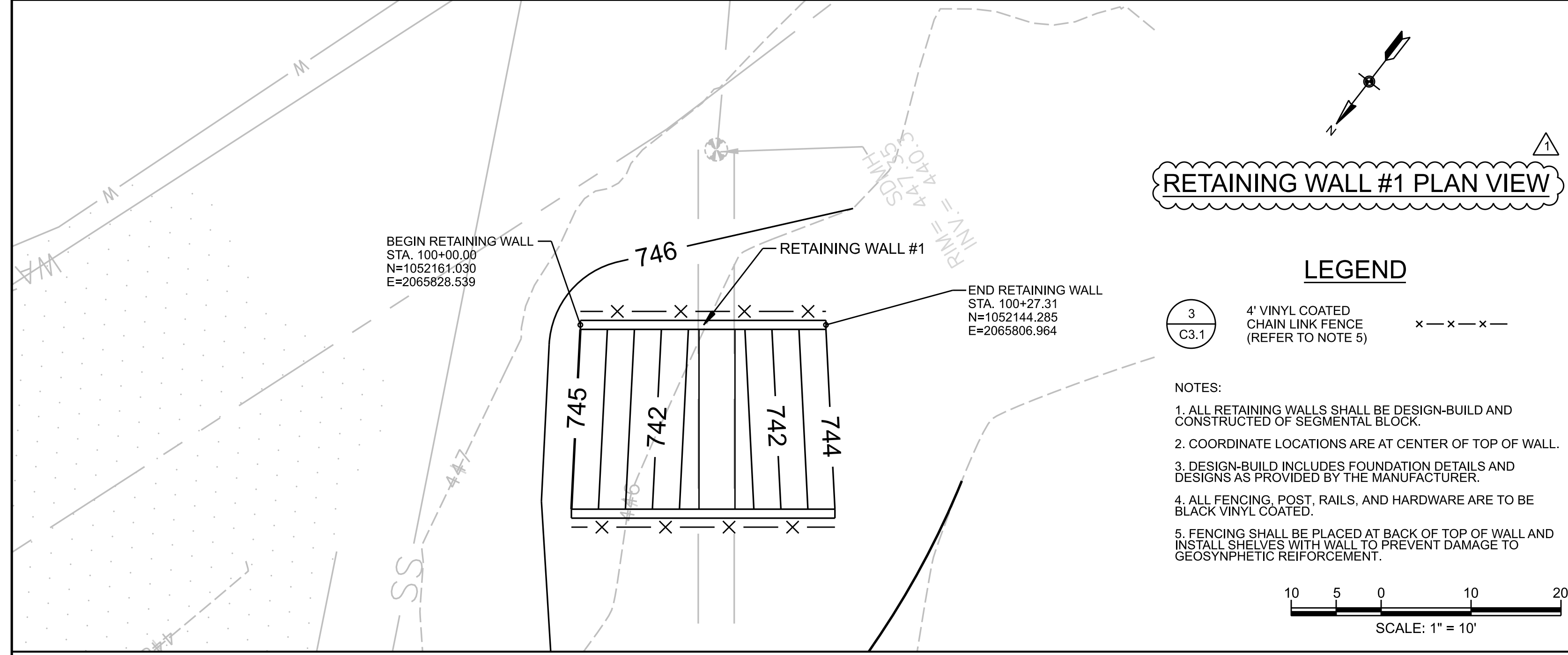
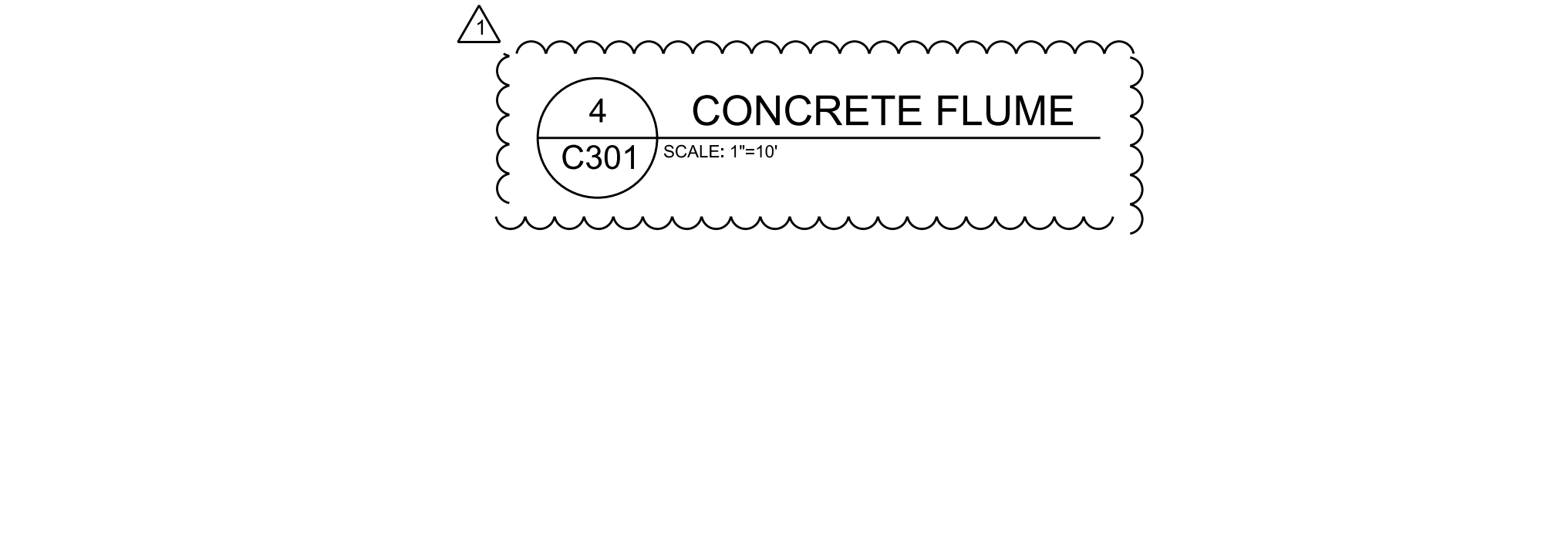
4' CONCRETE FLUME



2 C301 NTS 6' CROSSWALK



RETAINING WALL #2 PROFILE

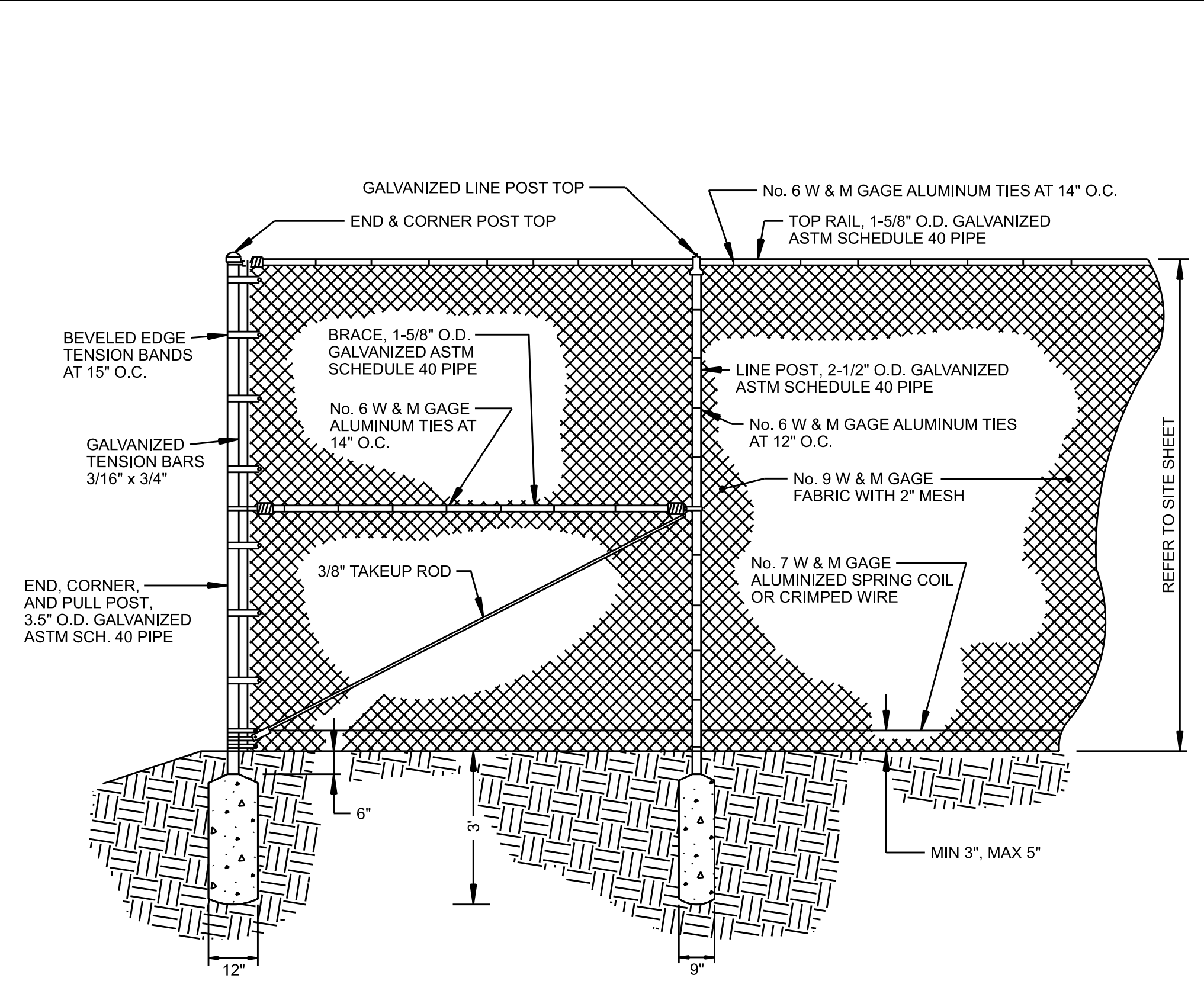
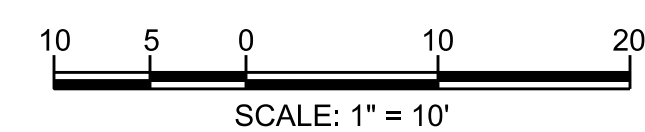


RETAINING WALL #1 PLAN VIEW

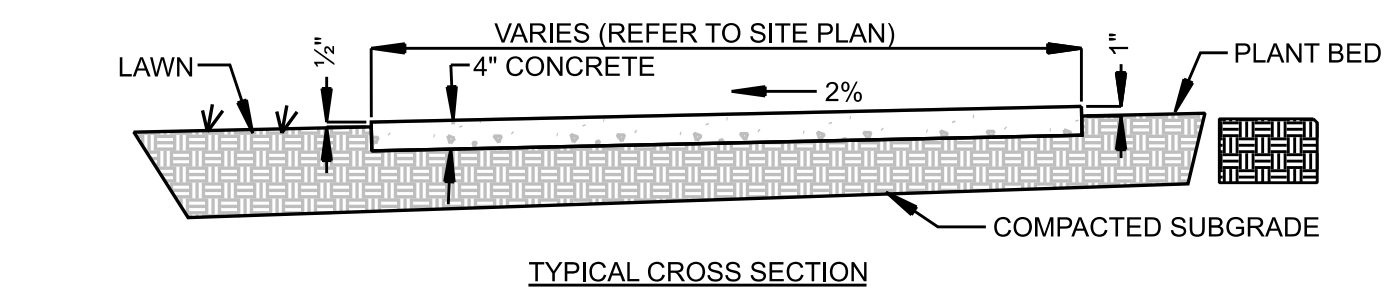
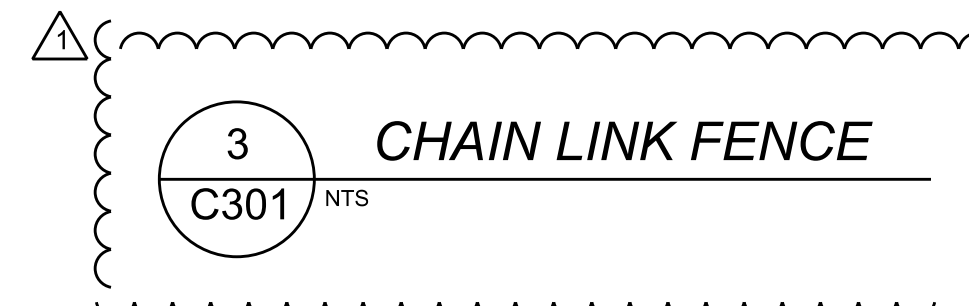
LEGEND

3 C3.1 4" VINYL COATED CHAIN LINK FENCE (REFER TO NOTE 5) x - - - x - - -

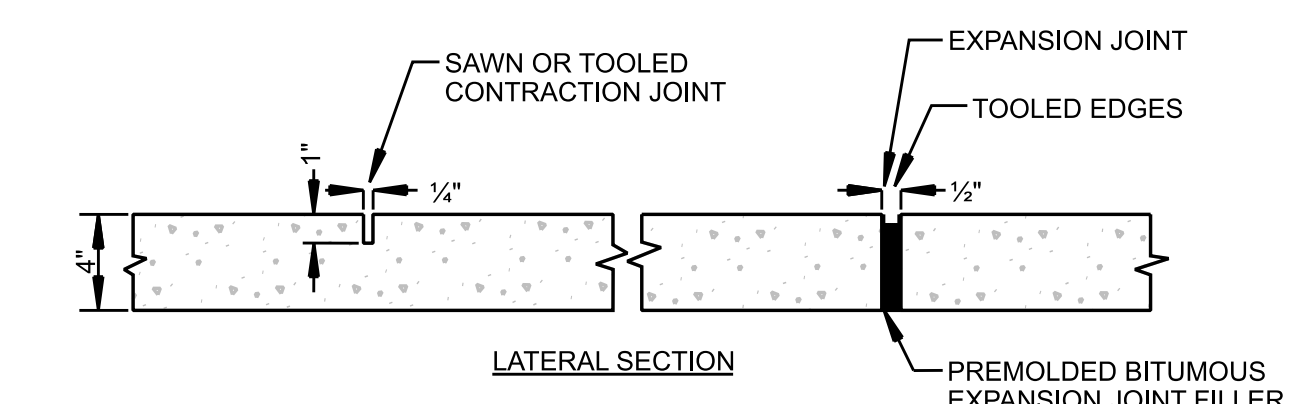
- NOTES:
1. ALL RETAINING WALLS SHALL BE DESIGN-BUILD AND CONSTRUCTED OF SEGMENTAL BLOCK.
 2. COORDINATE LOCATIONS ARE AT CENTER OF TOP OF WALL.
 3. DESIGN-BUILD INCLUDES FOUNDATION DETAILS AND DESIGNS AS PROVIDED BY THE MANUFACTURER.
 4. ALL FENCING, POST, RAILS, AND HARDWARE ARE TO BE BLACK VINYL COATED.
 5. FENCING SHALL BE PLACED AT BACK OF TOP OF WALL AND INSTALL SHELVESS WITH WALL TO PREVENT DAMAGE TO GEOSYNTHETIC REINFORCEMENT.



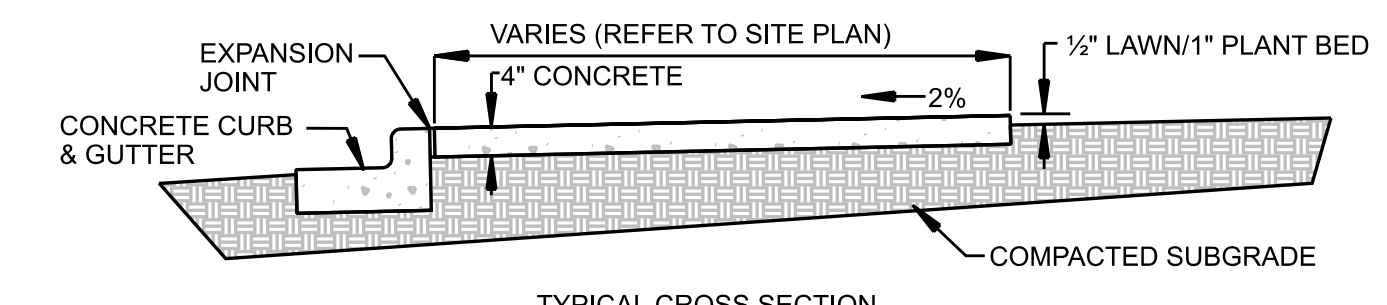
- NOTES:
1. TOP BARS AND HORIZONTAL BRACES SHALL BE 1-5/8" O.D. GALVANIZED ASTM SCHEDULE 40 PIPE.
 2. ALL FABRIC SHALL BE No. 9 W & M GAGE WITH 2" MESH. BOTTOM OF FABRIC 1" ABOVE FINISHED GRADE.
 3. ALL FENCING, POSTS, RAILS, AND HARDWARE ARE TO BE BLACK VINYL COATED.
 4. POST FOOTINGS SHALL BE 3,000 PSI CONCRETE. TOP OF FOOTING TO BE 6" BELOW FINISHED GRADE. SLOPE TOP OF CONCRETE FOR WATER RUNOFF.



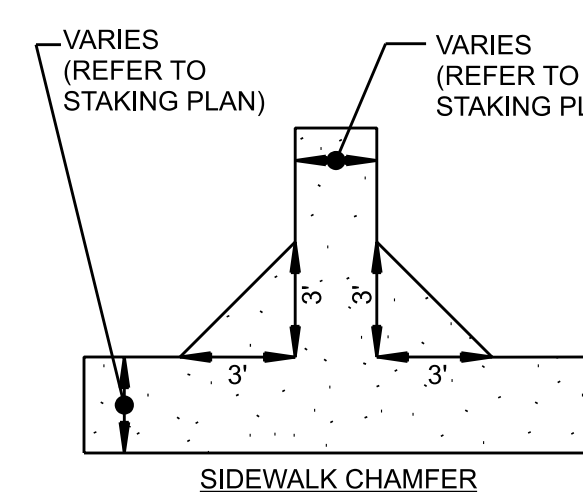
TYPICAL CROSS SECTION



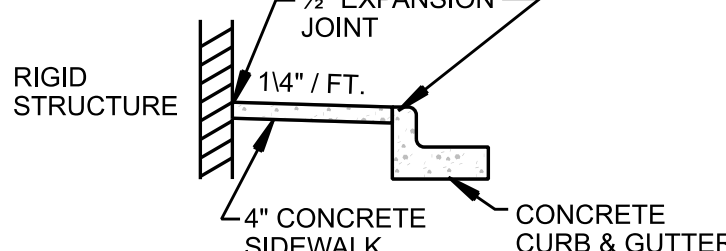
LATERAL SECTION



TYPICAL CROSS SECTION

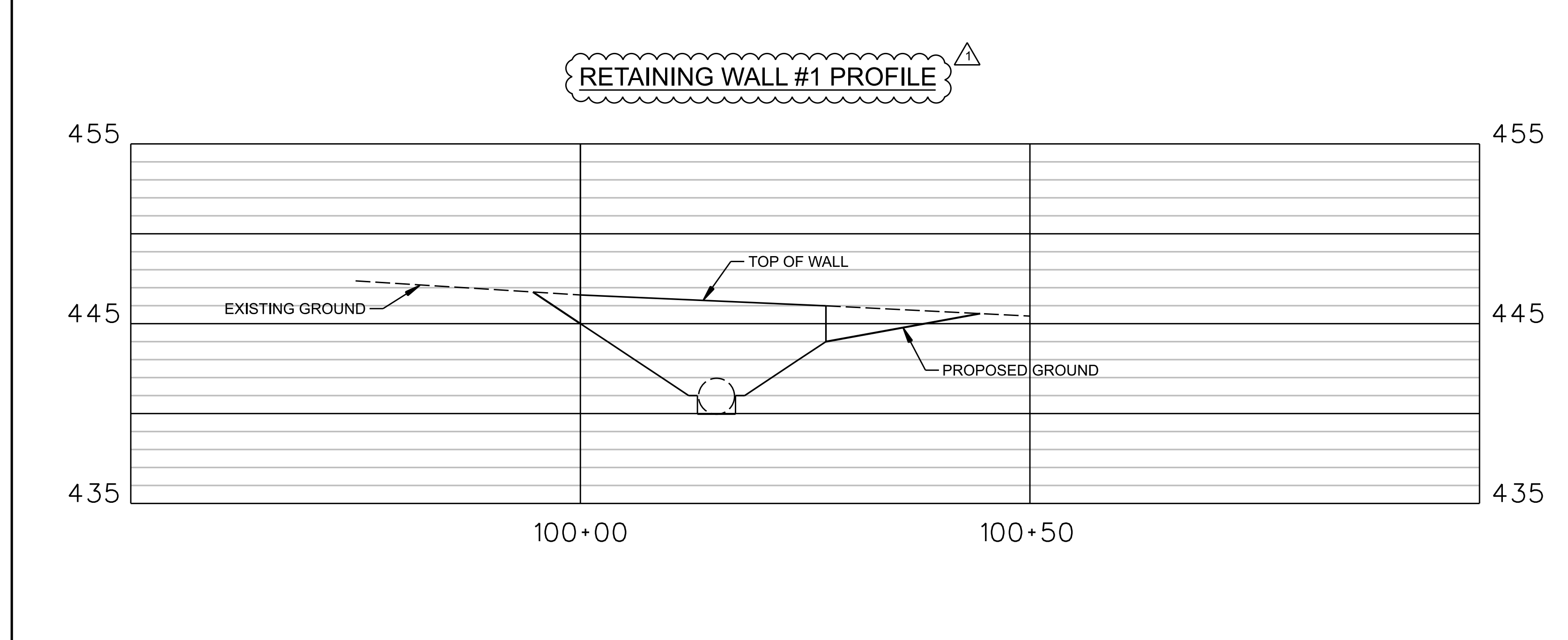


SIDEWALK CHAMFER



- GENERAL NOTES:
1. A GROOVE JOINT 1" DEEP WITH A 1/8" RADI SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT IS REQUIRED AT 45' INTERVALS. A 1/2" EXPANSION JOINT IS REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
 2. CONCRETE SHALL BE 3000 P.S.I. IN 28 DAYS.

1 C301 NTS CONCRETE WALK



RETAINING WALL #1 PROFILE



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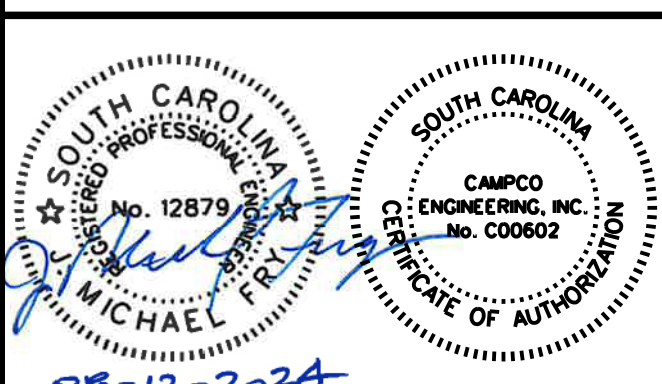
LANCASTER COUNTY SCHOOL DISTRICT CAREER CENTER GREENHOUSE

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1	08-12-24	ADDENDUM #1

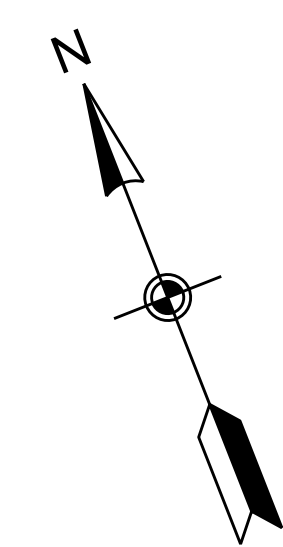
GRADING/STORM DRAINAGE PLAN



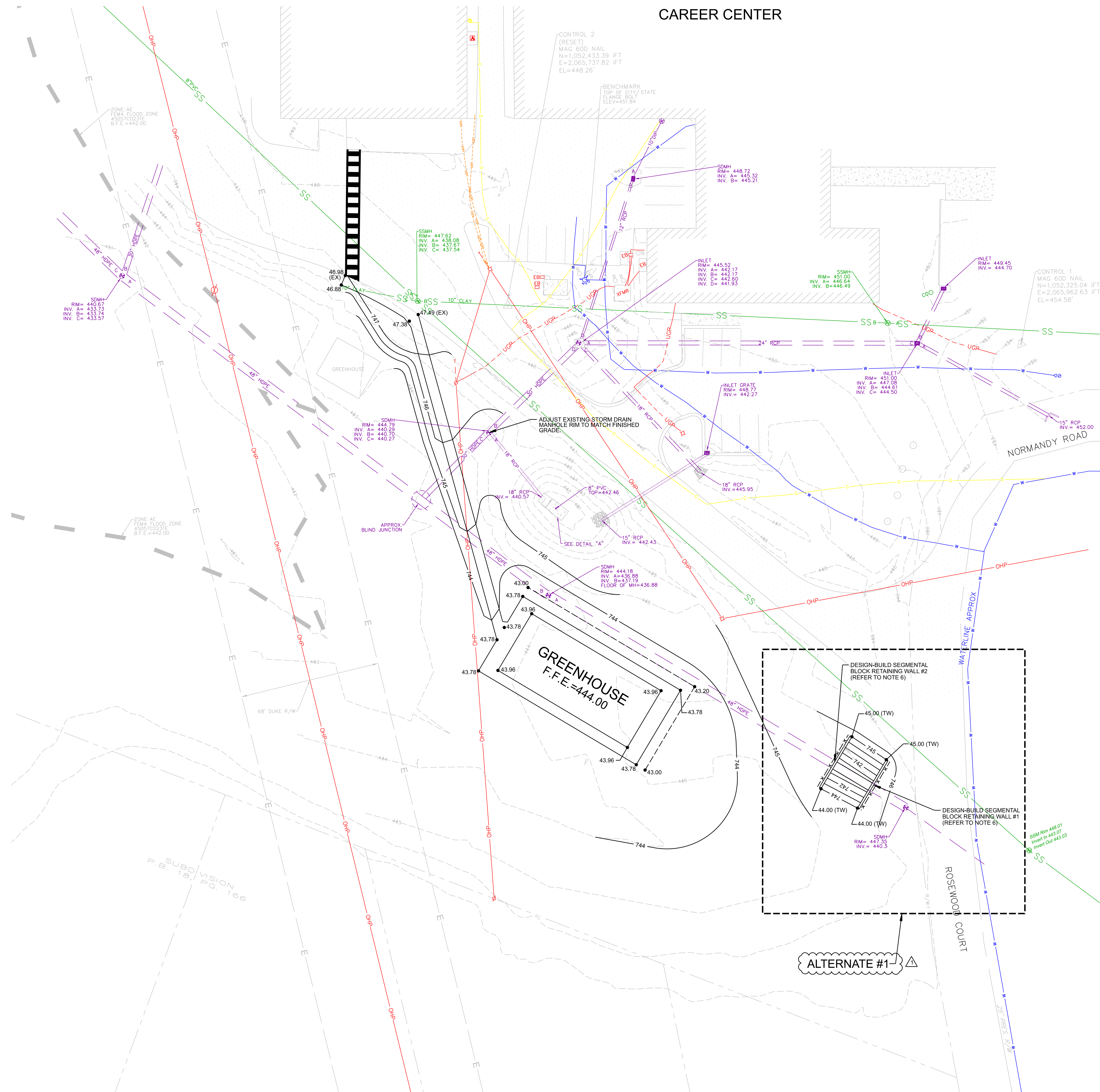
08-12-2024

CE: 9901 ISSUED: 07-10-2024
SCALE: 1"=20' CAD FILE: 9901GPRC400

C400



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- GRADING NOTES:
1. CONTOURS ARE TO FINISH GRADE.
 2. GRADE AND FINISH AREAS SUCH THAT POSITIVE DRAINAGE OCCURS AS DESIGNED.
 3. FINISHED GRADE SPOT ELEVATIONS ARE IDENTIFIED AS ●.
 4. ADD 400 TO ALL SPOT ELEVATIONS UNLESS OTHERWISE NOTED.
 5. RETAINING WALLS SHALL BE DESIGN-BUILD AND CONSTRUCTION OF SEGMENTAL BLOCK. DESIGN-BUILD INCLUDES FOUNDATION DETAILS AND DESIGNS PROVIDED BY LICENSED STRUCTURAL ENGINEER. COORDINATE LOCATIONS ARE AT BACK OF TOP OF WALL. REFER TO PLAN SHEET C301 FOR RETAINING WALLS PLAN AND PROFILE.

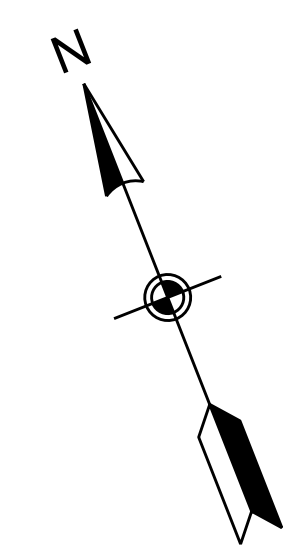




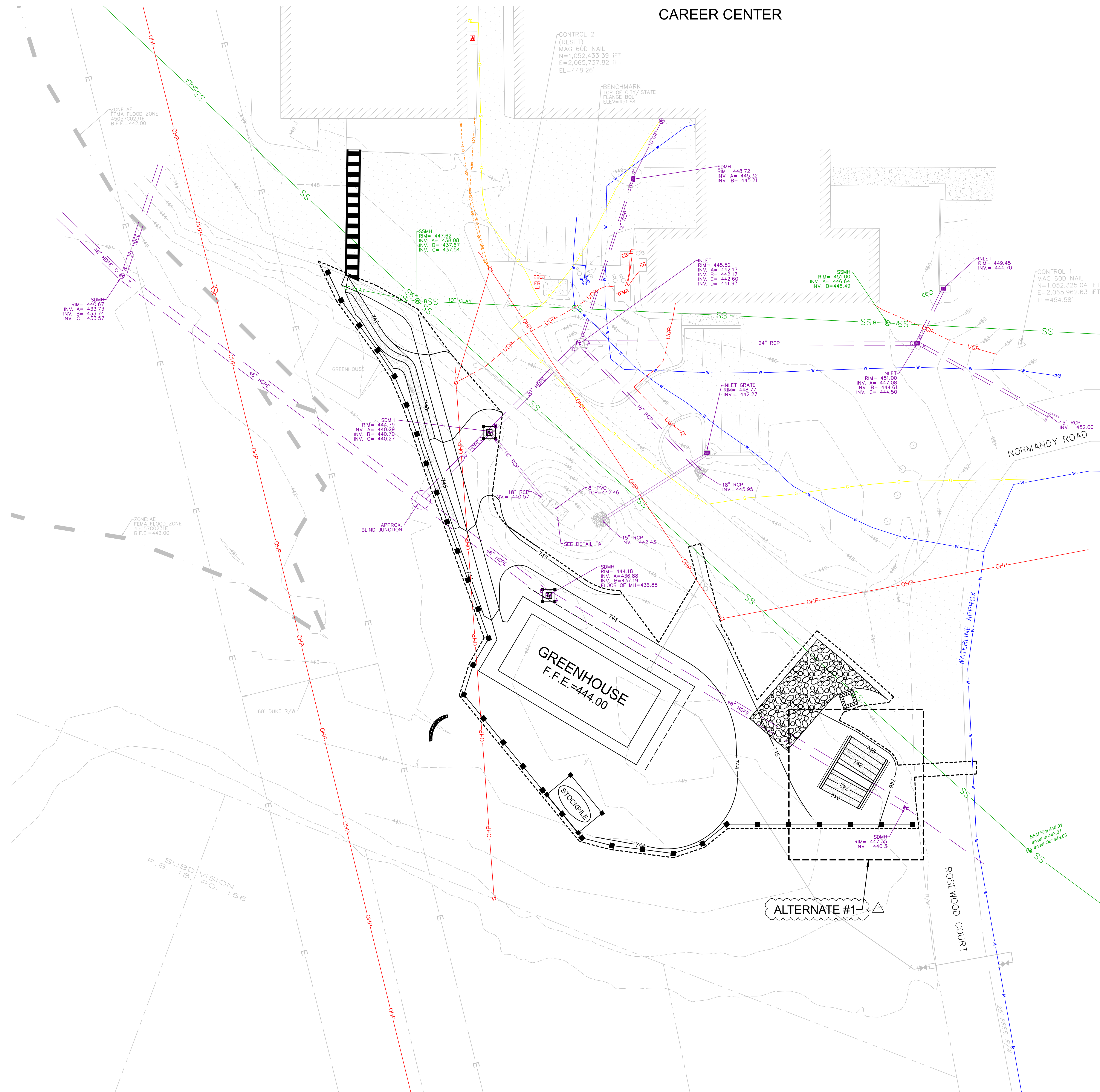
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MAINTENANCE NOTES

1. INSPECT SEDIMENT FENCE EVERY 7 CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2-INCHES OR MORE OF PRECIPITATION. CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY. CHECK WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED BY FENCE OVERTOPPING.
2. IF THE SEDIMENT FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY.
3. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED.
4. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE.
5. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
6. PERMANENTLY STABILIZE DISTURBED AREAS RESULTING FROM FENCE REMOVAL.

EROSION CONTROL NOTES:

1. LOCATION OF EXISTING UTILITIES AND OTHER SITE FEATURES SHALL BE FIELD VERIFIED PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. THE ENGINEER SHALL BE NOTIFIED WITH ANY DISCREPANCIES.
2. AREA OF DISTURBANCE: 0.60 ACRES
3. REFER TO SHEET C501 AND SPECIFICATIONS FOR GRASSING REQUIREMENTS.
4. EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE SCDHEC STORM WATER MANAGEMENT BMP HANDBOOK.
5. CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES TO CONTROL EROSION AND/OR OFF-SITE SEDIMENT AS REQUIRED BY SCDHEC AND/OR THE LOCAL GOVERNING AGENCY.
6. REFER TO ACCOMPANYING PROJECT MANUAL FOR ADDITIONAL INFORMATION. THIS SHEET FOR EROSION CONTROL, CONSTRUCTION SCHEDULE, AND SHEET C501 FOR EROSION CONTROL MAINTENANCE SCHEDULE/STANDARD NOTES.
7. THERE IS NO FLOOD PLAN PRESENT ON THIS SITE. FIRM PANEL NO. 45057CO231E / 45057CO232E, COMMUNITY: CITY OF LANCASTER, DATED: 05/15/2017 / 05/16/2017
8. SLOPE PROTECTION MATTING SHALL BE SC 150 AS MANUFACTURED BY NORTH AMERICAN GREEN OR APPROVED EQUAL. MATTING SHALL BE INSTALLED ON ALL SLOPES 4:1 AND STEEPER IN ACCORDANCE TO THE MANUFACTURERS REQUIREMENTS.
9. UNSUITABLE / TOPSOIL STOCKPILE(S) SHALL BE CONSTRUCTED WITHIN THE AREA IDENTIFIED ON THE PLANS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE. FINAL GRADES OF STOCKPILE SHALL BE UNIFORM AND STABILIZED AT A MAXIMUM HEIGHT OF 10' AND 4:1 SIDE SLOPES.
10. WITHIN SEVEN CALENDAR DAYS, TEMPORARY STABILIZATION MEASURES SHALL BE COMPLETED ON TOPSOIL STOCKPILES. THE BURIAL OF ANY CELLULOSE DEBRIS WILL NEED TO BE PLATTED. THE REMOVAL OF SOIL OR WASTE FROM THE PROPOSED SITE WILL NEED TO BE TAKEN TO A PERMITTED LANDFILL OR ANOTHER PERMITTED SITE WITH A VALID LAND DISTURBANCE PERMIT. THE ASSOCIATED SITE WOULD ALSO BE REQUIRED TO PROVIDE THE APPROPRIATE EROSION AND SEDIMENT CONTROL NECESSARY TO RETAIN SEDIMENT ON SITE (WITHIN THE LIMITS OF DISTURBANCE PERMITTED).

EROSION CONTROL CONSTRUCTION SCHEDULE

1. OBTAIN SEDIMENT AND EROSION CONTROL PERMIT FROM SCDHEC. SCHEDULE A PRE-CONSTRUCTION MEETING TO CONTACT THE SCDHEC EDC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
2. INSTALL TEMPORARY CONSTRUCTION ENTRANCES/ EXITS.
3. CLEAR AND GRUB AREAS FOR INSTALLATION OF PERIMETER CONTROLS.
4. INSTALL SEDIMENT PROTECTION FOR FENCES, TUBES, AND INLETS.
5. SCHEDULE AN ON-SITE CONFERENCE WITH THE OWNER'S REPRESENTATIVE AND SCDHEC REPRESENTATIVE, IF REQUIRED BY THE PERMIT.
6. CLEAR AND GRUB REMAINDER OF SITE. STRIP TOPSOIL AND STORE IN LOCATION SHOWN ON PLANS. INSTALL SILT FENCE AROUND TOPSOIL STOCKPILE ON ALL SIDES AND STABILIZE AS SOON AS POSSIBLE.
7. BEGIN SITE GRADING. GRADE SITE TO MAINTAIN EXISTING DRAINAGE PATTERNS.
8. GRADE BUILDING PAD.
9. COMPLETE SITE GRADING. CONSTRUCT ADDITIONAL PERIMETER CONTROLS AS NECESSARY FOR CONSTRUCTION STAGING.
10. APPLY STABILIZATION MEASURES (TEMPORARY OR PERMANENT SEEDING) AS SOON AS GRADING IS COMPLETE. (REFER TO MAINTENANCE SCHEDULE.)
11. INSTALL WATER & SEWER SERVICES, AND SIDEWALK.
12. AFTER SITE IS STABILIZED, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES AND REPAIR AND STABILIZE DISTURBED AREAS. ACQUIRE PERMISSION FROM OWNER'S REPRESENTATIVE AND SCDHEC REPRESENTATIVE, PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.

LEGEND

- SC-07
C502 TYPE A - FABRIC INLET PROTECTION
- SC-05
C502 SEDIMENT TUBE
- SC-03
C501 SILT FENCE
- RC-07
C501 CONCRETE WASHOUT
- 1
C502 SLOPE PROTECTION MATTING (REFER TO NOTE 8)
- SC-08
C501 STABILIZED CONSTRUCTION ENTRANCE
- SC-10
C501 STOCKPILE AREA WITH SURROUNDING SILT FENCE (REFER TO NOTE 9)
- CONSTRUCTION LIMITS

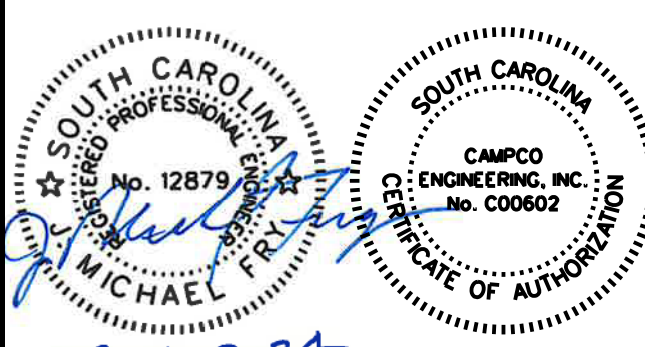
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EROSION CONTROL PLAN



08-12-2024

CE: 9901 ISSUED: 07-10-2024
SCALE: 1"=20' CAD FILE: 9901ECC500

C500





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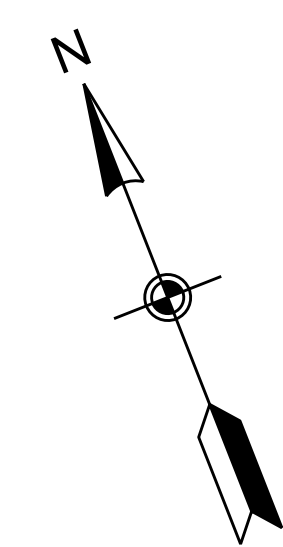
WATER & SANITARY SEWER SERVICE PLAN



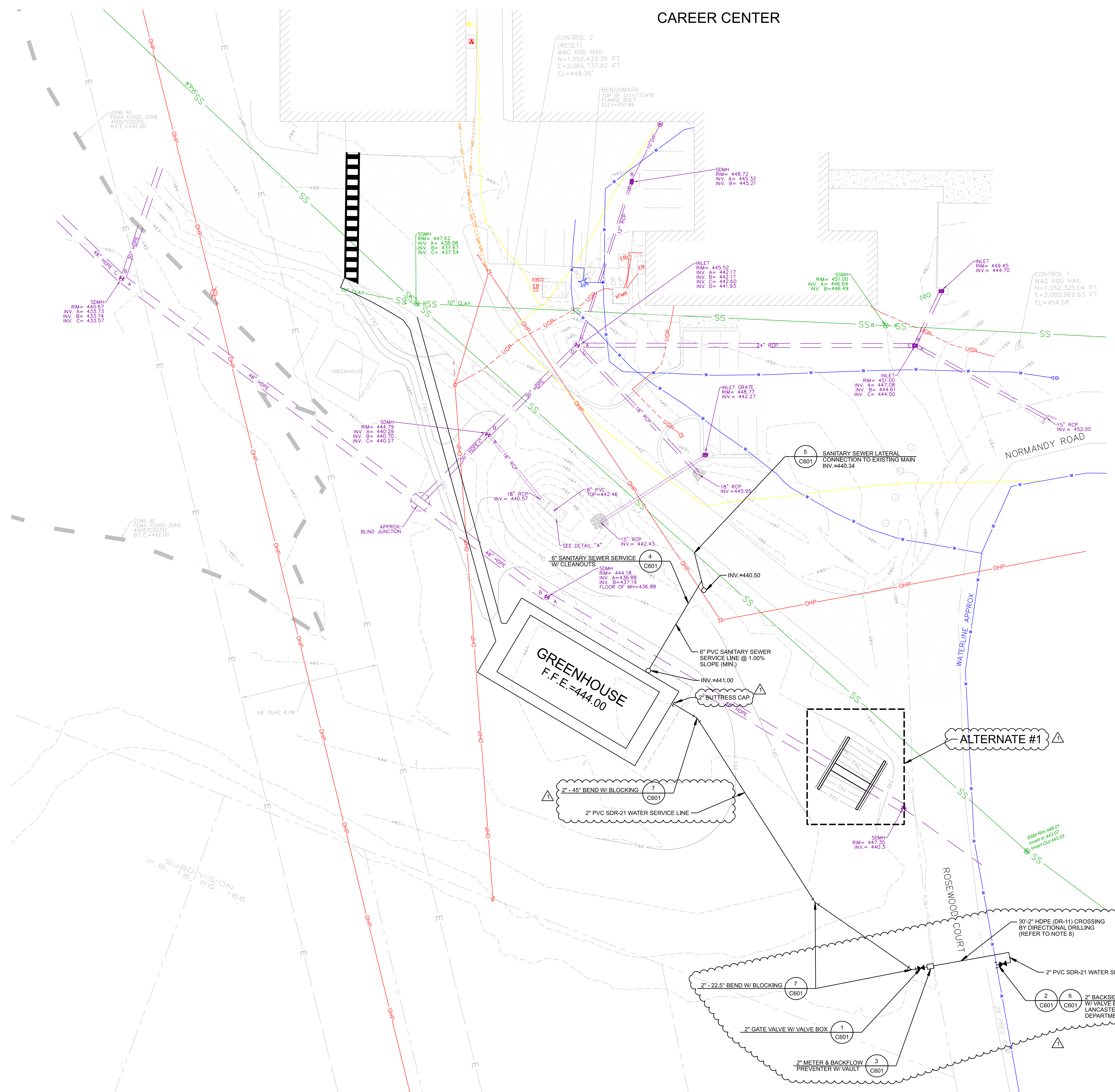
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SCALE: 1"=20' CAD FILE: 9901UTC600

C600



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WATER SYSTEM AS-BUILT REQUIRED DATA:

- CONTRACTOR SHALL PROVIDE A RECORD PLAN SURVEY WITH LOCATIONS FOR ALL WATER LINE APPURTENANCES, WATER SERVICES AND ALL PIPE SIZES AND MATERIALS DOCUMENTED.
- THE RECORD PLAN SURVEY SHALL BE PROVIDED TO THE ENGINEER PRIOR TO THE BACTERIOLOGICAL SAMPLE TESTING TO ALLOW ADEQUATE TIME FOR REVIEW AND MUNICIPALITY APPROVAL BEFORE THE SAMPLES 30 DAYS EXPIRATION.

SANITARY SEWER AS-BUILT REQUIRED DATA:

- CONTRACTOR SHALL PROVIDE A RECORD PLAN SURVEY WITH LOCATIONS FOR MANHOLES, SEWER SERVICES, CLEANOUTS, PIERS AND ALL PIPE SIZES, MATERIALS, AND LENGTHS DOCUMENTED.
- CONTRACTOR SHALL PROVIDE A RECORD PLAN SURVEY WITH MANHOLE RIM AND INVERT ELEVATIONS.

WATER & SANITARY SEWER SERVICE NOTES:

- FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- WATER SERVICE LINES SHALL BE INSTALLED WITH 3' MINIMUM COVER.
- WATER METER AND VAULT SHALL MEET CITY OF LANCASTER REQUIREMENTS. COORDINATE METER AND VAULT INSTALLATION WITH CITY OF LANCASTER.
- SANITARY SEWER SERVICE LINES SHALL BE SDR 35 PVC PIPE.
- COORDINATE LOCATIONS OF THE WATER AND SANITARY SEWER SERVICE LINES WITH THE PLUMBING PLANS.
- PROVIDE RECORD DRAWING INFORMATION OF THE WATER LINE AND SANITARY SEWER LINE TO THE ENGINEER PRIOR TO REQUESTING A FINAL INSPECTION.
- WHERE APPLICABLE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CITY OF LANCASTER POLICIES, PROCEDURES, STANDARDS AND SPECIFICATIONS.
- WATER SERVICE LINE TO BE DIRECTIONALLY DRILLED UNDER ROSEWOOD COURT TO BE 2" HIGH DENSITY POLYETHYLENE (HDPE) IRON PRESSURE PIPE PE 4710-DR11 (200 PSI) AS MANUFACTURED BY JM EAGLE COMPANY, INC., OR APPROVED EQUAL. CONTRACTOR SHALL INSTALL HDPE/PVC COUPLINGS AT END OF HDPE PIPE TO TRANSITION TO 2" PVC PIPE.





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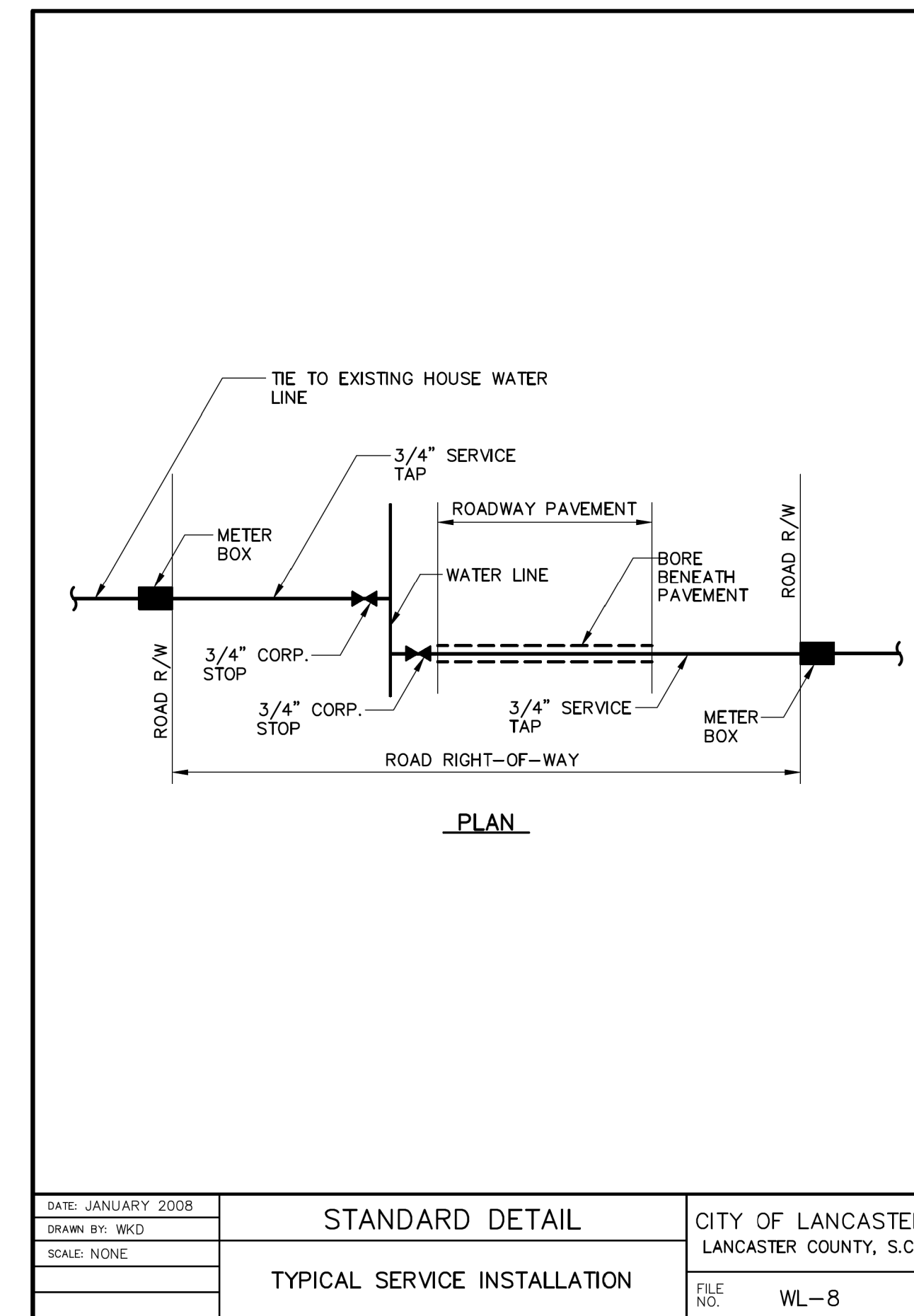
WATER & SANITARY SEWER DETAILS



08-12-2024

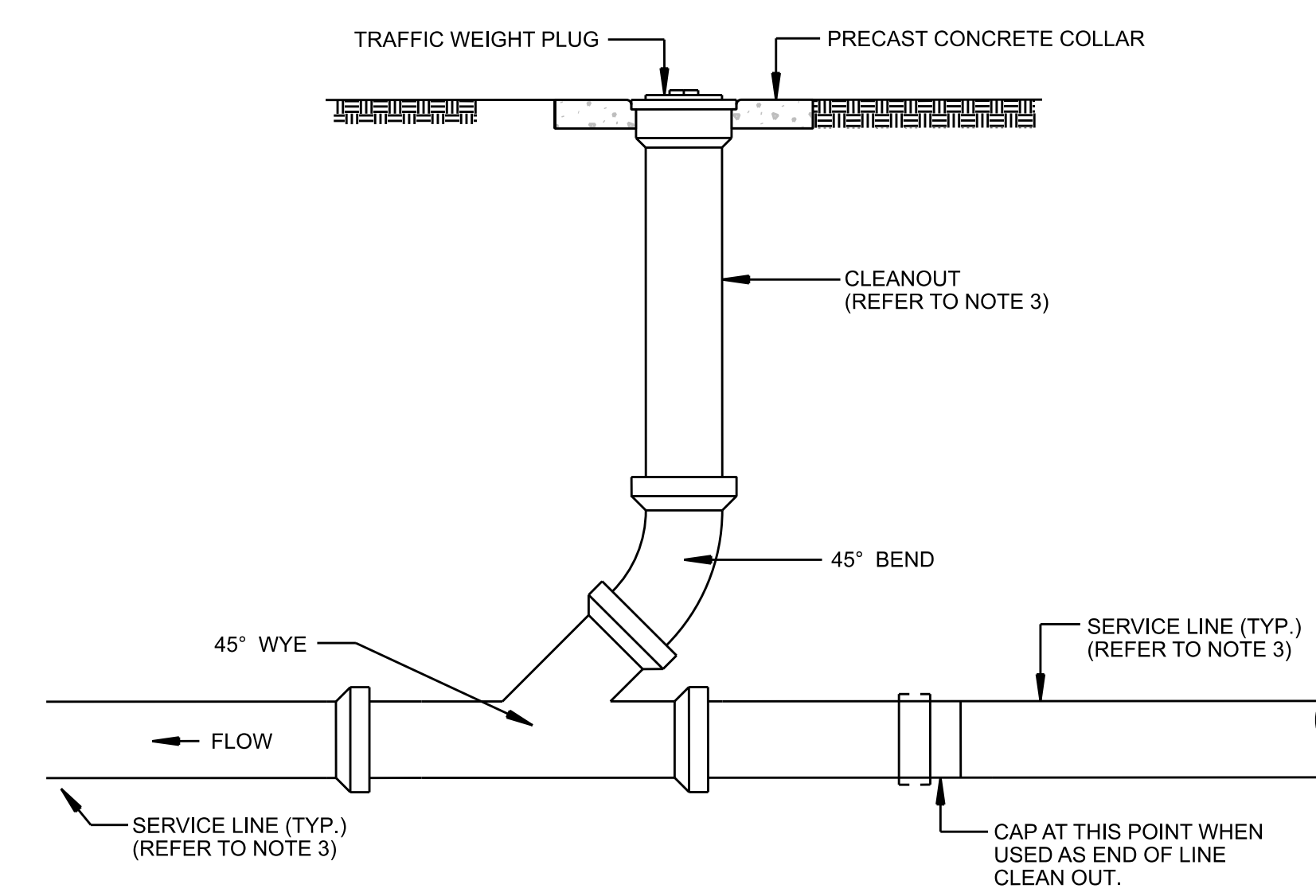
CE: 9901 ISSUED: 07-10-2024
SCALE: NA CAD FILE: 9901DTC601

C601



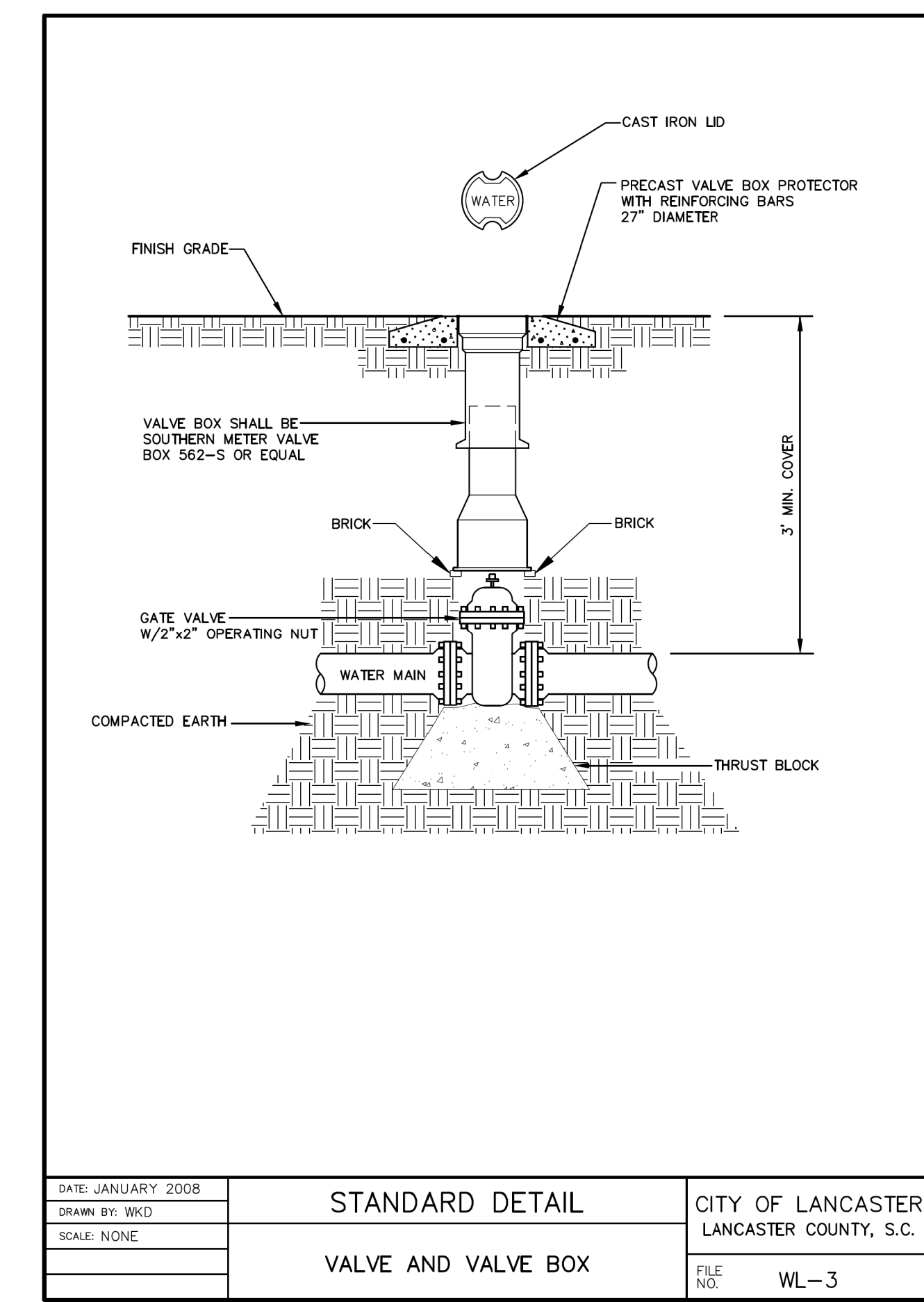
DATE: JANUARY 2008	STANDARD DETAIL	CITY OF LANCASTER
DRAWN BY: WGD		LANCASTER COUNTY, S.C.
SCALE: NONE	TYPICAL SERVICE INSTALLATION	FILE NO: WL-8

2
C601 NTS SERVICE INSTALLATION



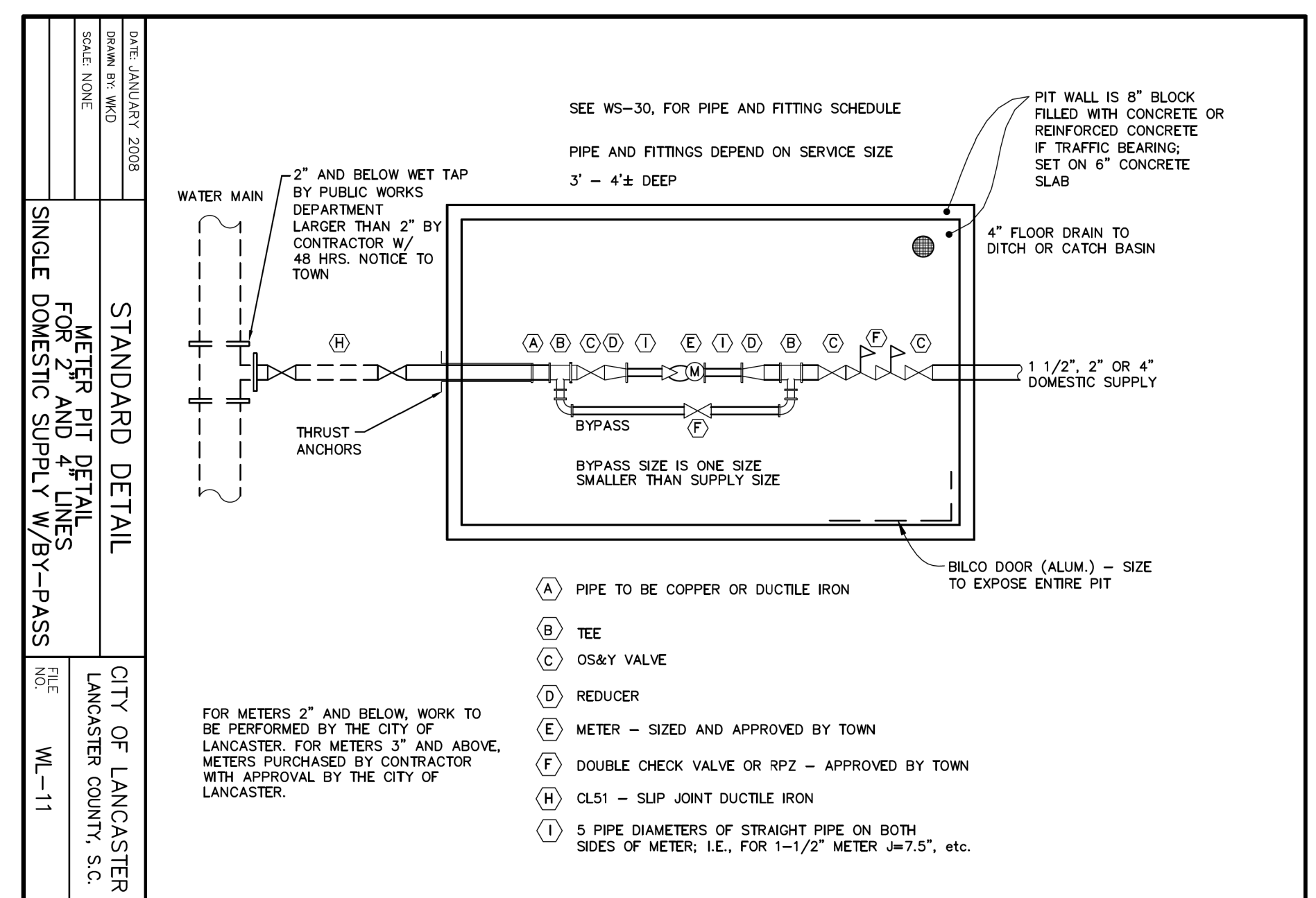
- NOTES:
1. CONCRETE COLLAR NOT NEEDED WHEN CLEANOUT OCCURS IN CONCRETE PAVEMENT.
 2. CLEANOUT PLUG SHALL BE BRASS AND INSTALLED FLUSH WITH FINISHED GRADE WHEN CLEANOUT OCCURS IN PAVEMENT.
 3. PIPE SIZE & TYPE VARIES. REFER TO UTILITY PLAN.

4
C601 NTS SANITARY SEWER CLEANOUT



DATE: JANUARY 2008	STANDARD DETAIL	CITY OF LANCASTER
DRAWN BY: WGD		LANCASTER COUNTY, S.C.
SCALE: NONE	VALVE AND VALVE BOX	FILE NO: WL-3

1
C601 NTS VALVE AND VALVE BOX



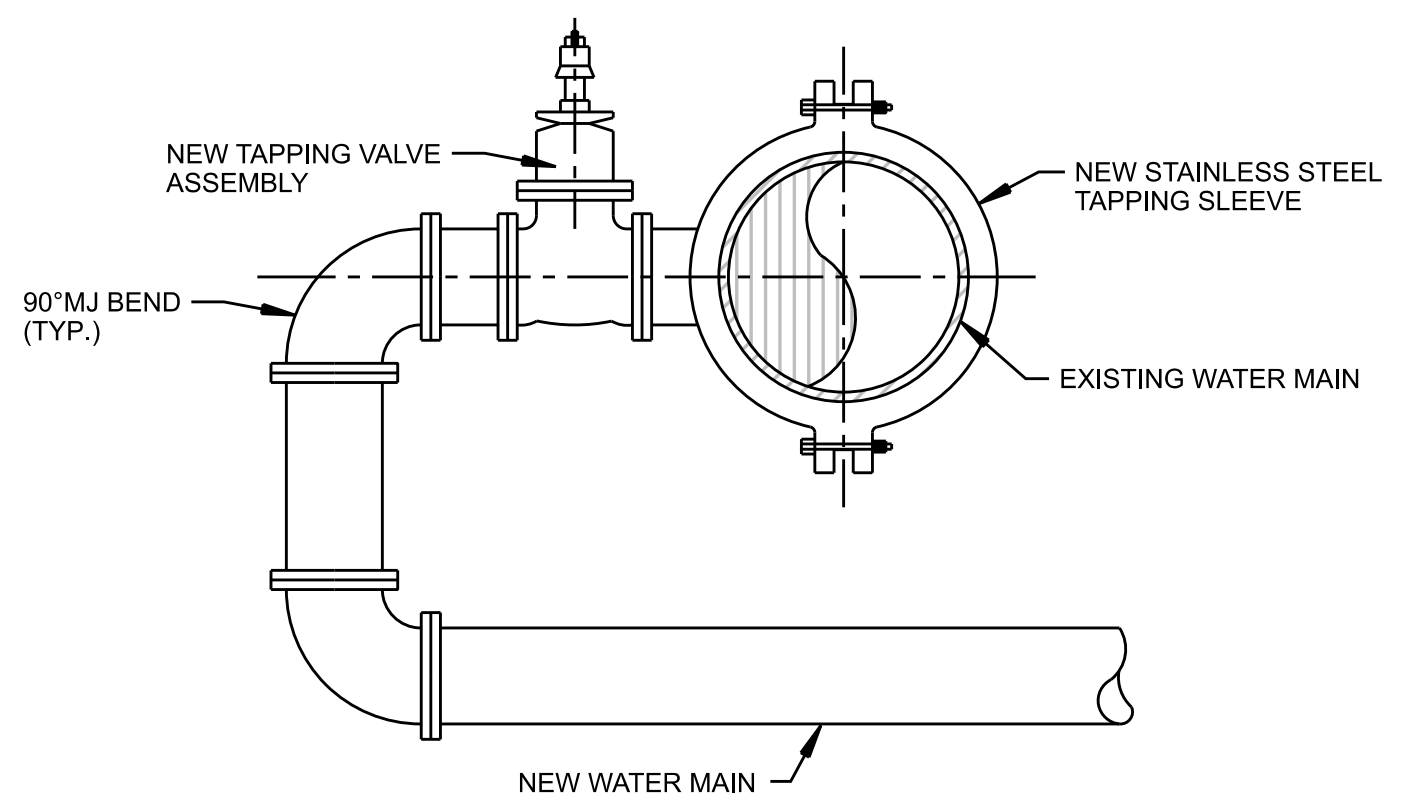
- FOR METERS 2" AND BELOW, WORK TO BE PERFORMED BY THE CITY OF LANCASTER. FOR METERS 3" AND ABOVE, METERS PURCHASED BY CONTRACTOR WITH APPROVAL BY THE CITY OF LANCASTER.
- (A) PIPE TO BE COPPER OR DUCTILE IRON
 - (B) TEE
 - (C) OS&Y VALVE
 - (D) REDUCER
 - (E) METER - SIZED AND APPROVED BY TOWN
 - (F) DOUBLE CHECK VALVE OR RP2 - APPROVED BY TOWN
 - (H) CL51 - SLIP JOINT DUCTILE IRON
 - (I) 5 PIPE DIAMETERS OF STRAIGHT PIPE ON BOTH SIDES OF METER; I.E. FOR 1-1/2" METER = 7.5', etc.

3
C601 NTS METER PIT

PIPE SIZE	BUTTRISS FOR BENDS			
	A	B	C	D
6" & LESS	12"	14"	20"	5"
8"	16"	18"	19"	6"
10"	18"	25"	19"	6"
12"	20"	30"	18"	7"
14"	28"	30"	20"	9"
16"	29"	36"	20"	10"
18"	31"	42"	23"	12"
20"	34"	46"	30"	12"
24"	46"	48"	33"	12"
30"	60"	60"	36"	14"
36"	72"	72"	40"	14"

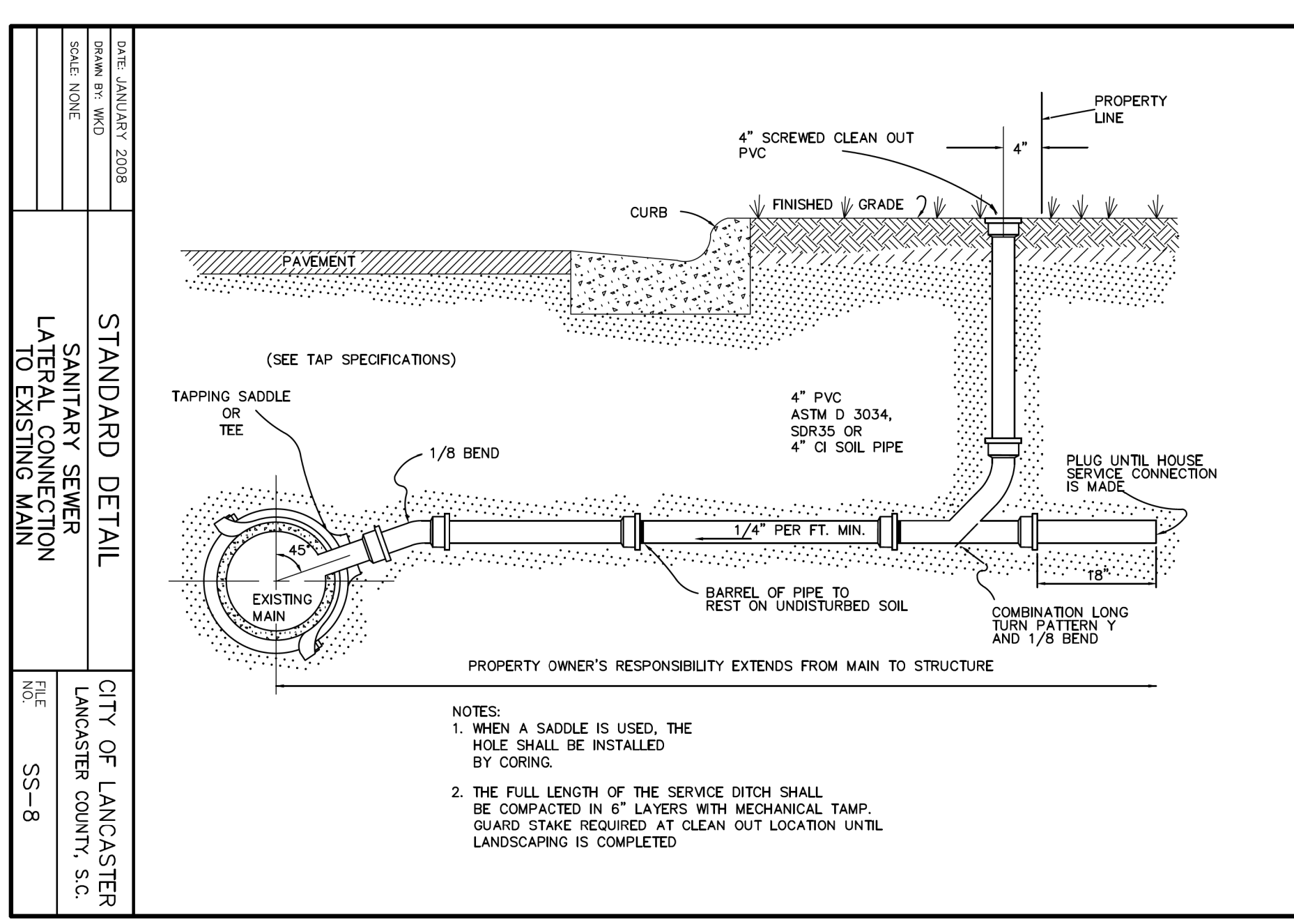
- NOTES:
1. ALL CONCRETE TO BE CLASS 3000 P.S.I.
 2. BUTTRISS DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED ON SOIL BEARING PRESSURE OF 3000 P.S.F. AND STATIC WATER PRESSURE OF 150 P.S.I.
 3. COST OF BUTTRISS IS TO BE INCLUDED IN BID PRICES, UNLESS OTHERWISE SPECIFIED.
 4. CARRY ALL BEARING SURFACES TO THE UNDISTURBED EARTH.
 5. THIS DETAIL TO BE USED FOR HORIZONTAL BENDS ONLY.

7
C601 NTS THRUST BLOCKING - BEND



- NOTES:
1. BOLTS TO BE STAINLESS STEEL.
 2. INSTALLATION TO INCLUDE TEST PLUG. FLANGE MAY BE D.I. INSTEAD OF STAINLESS STEEL.
 3. ALL JOINTS TO BE RESTRAINED WITH STAINLESS STEEL TIE RODS AND FLANGES.
 4. ALL MEGALUG AND THREADED RODS MUST BE POLYWRAPPED (MIN. 8 MIL POLYWRAP) IF WITHIN 25' OF STEEL GAS MAIN.

6
C601 NTS BACKSIDE TAPPING SLEEVE AND VALVE

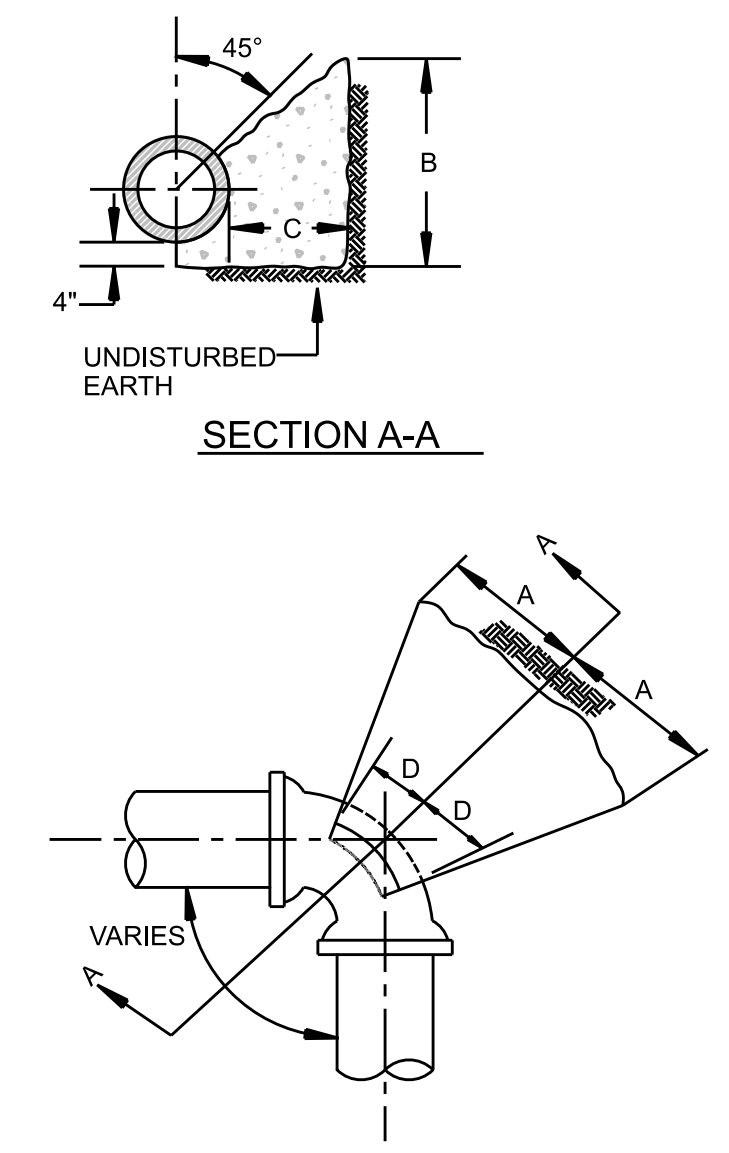


- NOTES:
1. WHEN A SADDLE IS USED, THE HOLE SHALL BE INSTALLED BY CORING.
 2. THE FULL LENGTH OF THE SERVICE DITCH SHALL BE COMPACTED IN 6" LAYERS WITH MECHANICAL TAMP. GUARD STAKE REQUIRED AT CLEAN OUT LOCATION UNTIL LANDSCAPING IS COMPLETED.

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C601 NTS SANITARY SEWER LATERAL CONNECTION TO EXISTING MAIN

DATE: JANUARY 2008	STANDARD DETAIL	CITY OF LANCASTER
DRAWN BY: WGD		LANCASTER COUNTY, S.C.
SCALE: NONE	SANITARY SEWER LATERAL CONNECTION TO EXISTING MAIN	FILE NO: WL-11

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C601 NTS SANITARY SEWER LATERAL CONNECTION TO EXISTING MAIN



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C601 NTS THRUST BLOCKING - BEND