ADDENDUM 3

ADDENDUM DATE: May 8th, 2019

PROJECT: OCSC Expansion - Phase 1, Seymour Center

2551 Homestead Rd. Chapel Hill, NC 27516

OWNER: Orange County

131 West Margaret Lane Hillsborough NC, 27278

ARCHITECT: Smith Sinnett Architecture, P.A.

4600 Lake Boone Trail, Suite 205 Raleigh, North Carolina 27607

BIDS DUE: Tuesday, May 14th, 2019 at 2:00 p.m.

Orange County Asset Management Office

131 West Margaret Lane; Third Floor Conference Rm. 302

Hillsborough NC, 27278

<u>Please note, Project Addendums and Bidders List are available at www.smithsinnett.com</u> under the 'Documents' icon on the navigation bar.

This Addendum shall be included in the contract for the above referenced project. All General, Supplementary and Special Conditions, etc., as originally specified or as modified below shall apply to these items.

General

- 1. NOTE THAT THE BID DAY IS MAY 14TH @ 2:00PM. The location remains at the Orange County Asset Management Office as listed above.
- 2. The RFI and Substitution Request period has ended.
- 3. Refer page 3 of this document for a list of all Addendum 3 attachments.

Specifications

- 1. **Revision**: SECTION 00 42 00 Proposal Form Alternate 9 added for providing concrete pavement in lieu of asphalt. See revised 01 23 00 below.
- 2. <u>Revision</u>: SECTION 01 23 00 Alternates Alternate 9 added for providing concrete pavement in lieu of asphalt as specified in drawing DSK-05. See addendum attachments and note that this document has color graphics.

Addendum 3 ADD 3-1

- 3. <u>Clarification</u>: SECTION 01 50 00 Temporary Facilities and Controls Item 2.2 Remove reference to "contractors option". GC shall provide temporary prefabricated facility.
- 4. **Revision**: SECTION 01 21 00 Allowances general contingency has been increased to \$450,000
- 5. <u>Clarification</u>: SECTION 10 22 26 Operable Panel Partitions 1.3, A Where a discrepancy exists between the requirements of items 1 and 2, item 2(NRC) will be the governing criteria.
- 6. <u>Clarification</u>: SECTION 32 93 00 Exterior Plants 1.4, B Strike this item from the specifications as follows:
 - 2. Trees and Shrubs: Provide digital photos from the nursery with height identified (where applicable for trees) for review by Landscape Architect prior to digging. All trees and shrubs shall be reviewed, approved and tagged by Landscape Architect prior to arrival on site, either at place of purchase, nursery or holding yard. Contractor shall be responsible for the cost of travel associated with the plant material review, including time, mileage, meals and lodging, if necessary, incurred by Landscape Architect, unless approved otherwise by Owner.

Drawings:

- 1. Clarification: Motorized roll shades apply to CW1, CW2 and CW3. See revised sheet A6-01
- 2. <u>Clarification</u>: Electrical Subcontractors should refer to sheet A9-03 for information regarding Audio Visual systems rough-in per Alternate 8.
- <u>Revision</u>: Sheet A1-30 The description for the roof drain for the roof over Storage Room 003 has been revised. Also note that additional downspout has been provided for the main addition roof gutter. Refer to revised civil drawings
- 4. Clarification: Sheet A7-01 Excuse typo for note regarding court lines. Should read "Pickleball".
- 5. **Revision:** Sheet A5-02 Detail 4 has been revised. Refer also to revised sheet A6-01. 1/A5-02 Furring at column shown beyond should continue to bottom of operable partition bulkhead.
- 6. <u>Revision</u>: Sheet A6-01- CW1,2,3 have been revised to show motorized roll shades. Elevation CW2 has been revised to show a new vertical mullion and the timber bracket support to be coordinated by glazing provider.
- 7. <u>Clarification</u>: Sheet A9-02: There are three (3) existing bike racks shown on the north side of the Seymour Center. These bike racks are to remain in place. As part of this project, the contractor is responsible for the installation of three (3) new bike racks located near the bus loading/unloading area on the south side of the Seymour Center. The three (3) new bike racks are shown and labeled on sheet C3-10.

Substitution Requests:

1. SECTION 32 32 23 - GEOGRID INTERLOCKING CONCRETE RETAINING WALL – 2.1, A - RidgeRock Retaining walls is to be added to the list of approved equal manufacturers.

End of Addendum 3

Addendum 3 ADD 3-2

Attached:

Specifications: 00 42 00 01 21 00 00 23 00

Architectural Drawings: A1-03, A5-02, A6-01

Site: 2 pages, 12 drawing sheets

Addendum 3 ADD 3-3

Orange County Southern Expansion

Phase 1 – Seymour Center Renovation and Addition

Smith Sinnett / 2017027 Orange County

SECTION 00 42 00 - PROPOSAL FORM

PROJECT: Orange County Southern Expansion

Phase 1 – Seymour Center Renovation and Addition

2551 Homestead Road

Chapel Hill, North Carolina 27516

OWNER: Orange County

200 South Cameron Street

Hillsborough, North Carolina 27278

ARCHITECT: Smith Sinnett Architecture

4600 Lake Boone Trail, Suite 205 Raleigh, North Carolina 27607

The undersigned, as bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. The bidder further declares that he has examined the site of the work and the contract documents relative thereto and has read all special provisions furnished prior to the opening of bids; that he has satisfied himself relative to the work to be performed.

The Bidder proposes and agrees if this proposal is accepted to contract with <u>Orange County</u> in the form of contract specified below, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of

Orange County Southern Expansion Phase 1 – Renovation and Addition

in full in complete accordance with the plans, specifications and contract documents, to the full and entire satisfaction of the <u>Orange County</u>, and <u>Smith Sinnett Architecture</u> with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the contract documents.

The low Bidder will be determined by the total cost of the Contract with the lump sum prices of the alternates accepted being added to or deducted from the Base Bid to give the total cost of the Contract. Bidders are required to give a price for Base Bid, all Alternates, and all Unit Prices as applicable to their Contract. All Bidders are required to be licensed and in good standing with their respective North Carolina Licensing Board.

PROPOSAL FORMS Proposal - 1

Orange County Southern ExpansionPhase 1 – Seymour Center Renovation and Addition

Smith Sinnett / 2017027 Orange County

Proposal - 2 PROPOSAL FORMS

SINGLE PRIME CONTRACT:		
BASE BID:		
Amount:	Dollars (\$)
ALTERNATE 1: Recessed Mounted Retractable Stage		
Amount:	Dollars (\$)
ALTERNATE 2: Extension of Existing Entrance Canopy		
Amount:	Dollars (\$)
ALTERNATE 3: Replacement of Existing Great Hall Flooring		
Amount:	Dollars (\$)
ALTERNATE 4: Motorized Operable Partition (Manual Partition in	Base Bid)	
Amount:	Dollars (\$)
ALTERNATE 5: Additional Storage		
Amount:	Dollars (\$)
ALTERNATE 6: Laticrete Adhered Stone Veneer System (preferred))	
Amount:	Dollars (\$)
ALTERNATE 7: Owner Preferred Alternate: Door Hardware- Von D	Ouprin Exit Devices/ Corbin L	ocksets
Amount:	Dollars (\$)
ALTERNATE 8: Audio Visual Electrical Rough-in		
Amount:	Dollars (\$)
ALTERNATE 9: Concrete Paving at Parking Lot.		
Amount:	Dollars (\$)
ALTERNATE E-1: EST Quick Start Fire Alarm Manufacturer:		
Amount:	Dollars (\$)

Proposal - 3 PROPOSAL FORMS

Orange County Southern Expansion

No. 11

Phase 1 – Seymour Center Renovation and Addition

Smith Sinnett / 2017027 Orange County

MAJOR SUBCONTRACTORS if any (Name, City & State) Plumbing Subcontractor: General Subcontractor: ____Lic ____Lic___ Mechanical Subcontractor: Electrical Subcontractor: Lic Lic GS143-128(d) requires all single prime bidders to identify their subcontractors for the above subdivisions of work. A contractor whose bid is accepted shall not substitute any person as subcontractor in the place of the subcontractor listed in the original bid, except (i) if the listed subcontractor's bid is later determined by the contractor to be non-responsible or non-responsive or the listed subcontractor refuses to enter into a contract for the complete performance of the bid work, or (ii) with the approval of the awarding authority for good cause shown by the contractor. ALLOWANCES - (Refer to Division 01 Section 01 21 00 – Allowances for amounts to be included in bid shall be based on the Unit Prices provided as part of Section 01 22 00) Acknowledge Allowances have been included with in the Base Bid.

UP/A-1 _____ UP/A-2 ____ UP/A-3 ____ UP/A-4 ____ UP/A-5 ____

UP/A-6 _____ UP/A-7 ____ UP/A-8 ____ UP/A-9 ____ No. A-10 ____

PROPOSAL FORMS Proposal - 4

UNIT PRICES -

Orange County Southern ExpansionPhase 1 – Seymour Center Renovation and Addition

Addandum No. 2	Addendum No. 1	dandum No. 6
Addendum No. 1	Addendum No. 3 Add	dendum No. 5
ADDENDUM (Addendum received and	used in computing bid)	
written order of the desig	ses and agrees hereby to commence work under this oner and shall fully complete all work thereunder with Conditions Article 9. Applicable liquidated damages Conditions Article 9.	in the time specified in the
Unit Price No. UP/A-9;	Geotextile: per sy.	Unit Price (\$)
Unit Price No. UP/A-8;	Replacement of authorized excavation of unsuitabl soils or rock with #57 washed stone: per cy.	e Unit Price (\$)
Unit Price No. UP/A-7;	Replacement of authorized excavation of unsuitable soils or rock with aggregate base (ABC) stone: per	
<u>Unit Price No. UP/A-6</u> ;	Replacement of authorized excavation of unsuitabl soils or rock with imported Structural fill: <u>per cy.</u>	e Unit Price (\$)
Unit Price No. UP/A-5;	Replacement of authorized excavation of unsuitable soils or rock with imported suitable soils: per cy.	e Unit Price (\$)
Unit Price No. UP/A-4;	Excavation, removal of bulk rock in open (>10'x30 in footings, trench, pits for off-site disposal: per cy	
Unit Price No. UP/A-3;	Excavation, removal of unsuitable rock for footing trench, pits for off-site disposal: <u>per cy.</u>	s, Unit Price (\$)
<u>Unit Price No. UP/A-2;</u>	Unsuitable soils removal and disposal on-site: per	cy. Unit Price (\$)
Unit Price No. UP/A-1;	Unsuitable soils removal and disposal off-site: per	cy. Unit Price (\$)
noted. Unit prices shall b	cepted shall apply throughout the life of the contract be applied, as appropriate, to compute the total value Allowances all in accordance with the contract docu	of changes in the base bid quantity of

(Refer to Division 01 Section 01 22 00 - Unit Prices for Quantities)

PROPOSAL FORMS Proposal - 5

Proposal Signature Page

The undersigned further agrees that in the case of failure on his part to execute the said contract and the bonds within ten (10) consecutive calendar days after being given written notice of the award of contract, the certified check, cash or bid bond accompanying this bid shall be paid into the funds of the owner's account set aside for the project, as liquidated damages for such failure; otherwise the certified check, cash or bid bond accompanying this proposal shall be returned to the undersigned. No proposal may be withdrawn after the scheduled closing time for the receipt of Bids for a period of ninety (60) days.

(Name of firm or corporation making bid)				
WITNESS:	By:Signature			
Proprietorship or Partnership)	Name:Print or type			
	Title:(Owner/Partner/Pres./V.Pres)			
	Address:			
ATTEST:				
Ву:	License No			
Title: (Corp. Sec. or Asst. Sec. only)	Federal I.D. No.			

PROPOSAL FORMS Proposal - 6

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

<u>Provide with the bid</u> - Under GS 143-128.2(c) the undersigned bidder shall identify <u>on its bid</u> (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. <u>Also</u> list the good faith efforts (Affidavit A) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its <u>own workforce</u> may submit an Affidavit (**B**) to that effect in lieu of Affidavit (**A**) required above. The MB Participation Form must still be submitted even if there is zero participation.

<u>After the bid opening</u> - The Owner will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (C) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is <u>equal to or more than the 10% goal</u> established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

<u>If less than the 10% goal</u>, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit <u>with their bid</u> the Identification of Minority Business Participation Form listing all MB contractors, <u>vendors and suppliers</u> that will be used. If there is no MB participation, then enter none or zero on the form. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

END OF SECTION 00 42 00

PROPOSAL FORMS Proposal - 7

Orange County Southern ExpansionPhase 1 – Seymour Center Renovation and Addition

Smith Sinnett / 2017027 Orange County

Proposal - 8 PROPOSAL FORMS

SECTION 01 21 00 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when additional information is available for evaluation. If necessary, additional requirements will be issued by Change Order.
 - 2. The Contractor shall include in the Contract Sum all allowances states in the Contract Documents. The Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses contemplated for the original allowance shall be included in the Contract Sum and not in the allowance, unless indicated otherwise herein. Coordinate allowance work with related work to ensure that each selection in completely integrated and interfaced with related work. Include all allowance amounts as a separate line item amount on each application for payment.
- B. Types of allowances include the following:
 - 1. Unit-cost allowances.
 - 2. Quantity allowances.
 - 3. Contingency Allowances.
- C. Related Sections include the following:
 - 1. Division 01 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders for allowances.
 - 2. Division 01 Section "Unit Prices" for procedures for using unit prices as bases to establish allowance value.
 - 3. Divisions 02 through 49 Sections for items of Work covered by allowances.
 - 4. Division 31 Section 'Earth Moving for Sites" and 'Earth Moving for Building" for procedures for measurements and payment for Unsuitable Soil Replacement.

1.3 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise the Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work. **Provide a minimum of three (3) proposals for each allowance** for use in making final selections, unless instructed otherwise by the Architect. Furnish proposals in time so as not to delay the project. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.4 SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.
- B. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 COORDINATION

A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.6 ALLOWANCES

- A. Refer to Schedule of Allowances for Amounts and Quantities
- B. Quantity & Lump Sum Allowances
 - 1. Allowance shall include cost to Contractor of specific products and materials ordered by Owner under allowance and shall include taxes, freight, and delivery to Project site.
 - 2. Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner under allowance shall be included as part of the Contract Sum and not part of the allowance.

C. Unit-Cost Allowances

- 1. Each change order amount for unit-cost type allowances shall be based solely on the difference between the actual unit purchase amount and the unit allowance, multiplied by the final measure or count of work-in-place, with reasonable allowances, where applicable, for cutting losses, tolerances, mixing wastes, normal product imperfections and similar margins.
- 2. Include installation costs in the purchase amount only where indicated as a part of the allowance. When requested, prepare explanations and documentation to substantiate the margins as claimed. Prepare and submit substantiation of a change in the scope of work (if any) claimed in the change orders related to unit-cost type allowances. The Owner reserves the right to establish the actual quantity of work- in-place by an independent quantity survey, measure or count.
- 3. Unit-Cost Allowances shall be based on the Unit Price value established.

D. Contingency Allowances

- 1. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- 2. Contractor's related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.
- 3. Allowances for overhead and profit shall be provided within the contract price and not included as part of any change order till the allowance amount has been spent.

1.7 CHANGE ORDER MARK-UP

A. Except as otherwise indicated, comply with provisions of General Conditions and other requirements stated in this section. For each allowance, Contractor's claims for increased costs (for either purchase order amount or Contractor's handling, labor, installation, overhead, and profit), because of a change in scope or nature of the allowance work as described in contract documents, must be submitted within 60 days of initial change order authorizing work to proceed on that allowance; otherwise, such claims will be rejected.

Phase 1 – Seymour Center Renovation and Addition

- В. As a procedural restriction no mark-up (increase or decrease) shall be included in the change order amount for Contractor's increase or decrease in handling, labor, installation, overhead or profit unless purchase order amount varies by more than 15% from allowance amount.
- C. Change orders prepared to return unused allowance amounts to the Owner shall be subject to the same requirements for the return of appropriate profit and overhead as other change orders in accordance with the Conditions of the Contract. Where the Contractor has been directed not to include his related costs (profit and overhead) in the Contract Sum for contingency allowances, the return of profit and overhead shall not be excepted.

1.8 UNUSED MATERIALS

- Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, A. after installation has been completed and accepted.
 - If requested by Architect, prepare unused material for storage by Owner when it is not economically practical to return the material for credit. If directed by Architect, deliver unused material to Owner's storage space. Otherwise, disposal of unused material is Contractor's responsibility.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

Coordinate materials and their installation for each allowance with related materials and installations to A. ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

Allowance No. UP/A-1: Unsuitable soils removal and disposal off-site. A.

- Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard in place prior to excavation.
- Include the following in the unit price: 3.
 - Excavation, loading, transport and disposal of all materials. a.
 - Overhead and profit. b.
 - Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum.
- 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by

6. Allowance Quantity: 3500 cy

B. <u>Allowance No. UP/A-2</u>: Unsuitable soils removal and disposal <u>on-site</u>.

- 1. Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard in place prior to excavation.
- 3. Include the following in the unit price:
 - a. Excavation, loading, transport, placement and compaction of all materials to a location to be determined on the property tract.
 - b. Overhead and profit.
 - c. Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum.
- 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 1000 cy.

C. <u>Allowance No. UP/A-3</u>: Excavation, removal of unsuitable rock for footings, trench, pits for off-site disposal.

- 1. Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard in place prior to excavation.
- 3. Include the following in the unit price:
 - a. Excavation, loading, transport and disposal of all materials.
 - b. Overhead and profit.
 - c. Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum.
- Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 1000 cy.

D. <u>Allowance No. UP/A-4</u>: Excavation, removal of bulk rock in open cut (> 10' x 30') for off-site disposal.

- Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard in place prior to excavation.
- 3. Include the following in the unit price:
 - a. Excavation, loading, transport and disposal of all materials.
 - b. Overhead and profit.
 - c. Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum.
- 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 500 cy.

E. <u>Allowance No. UP/A-5</u>: Replacement of authorized excavation of unsuitable soils or rock with imported suitable soils.

- Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard, compacted in place.
- 3. Include the following in the unit price:
 - a. Suitable soil materials from a location to be determined on the project site.
 - b. Excavation, loading, on-site transport, placement, moisture control and compaction of suitable soil materials.

c. Overhead and profit.

- d. Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum. Unit price shall not include the excavation of unsuitable soil or rock.
- 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 1000 cy.

F. <u>Allowance No. UP/A-6</u>: Replacement of authorized excavation of unsuitable soils or rock with imported structural fill.

- 1. Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard, compacted in place.
- 3. Include the following in the unit price:
 - a. Suitable soil materials from a location to be determined on the project site.
 - b. Excavation, loading, on-site transport, placement, moisture control and compaction of suitable soil materials.
 - c. Overhead and profit.
 - d. Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum. Unit price shall not include the excavation of unsuitable soil or rock.
- Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 3000 cy.

G. <u>Allowance No. UP/A-7</u>: Replacement of authorized excavation of unsuitable soils or rock with Aggregate Base Course (ABC) stone material.

- 1. Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard, compacted in place.
- 3. Include the following in the unit price:
 - a. Suitable soil materials from a location to be determined on the project site.
 - b. Excavation, loading, on-site transport, placement, moisture control and compaction of suitable soil materials.
 - c. Overhead and profit.
 - d. Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum. Unit price shall not include the excavation of unsuitable soil or rock.
- Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 500 cy.

H. <u>Allowance No. UP/A-8</u>: Replacement of authorized excavation of unsuitable soils or rock with #57 Stone material wrapped in Woven Geotextile (Tenacate Mirafi 370 HP) or equivalent.

- 1. Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: cubic yard, compacted in place.
- 3. Include the following in the unit price:
 - a. Suitable soil materials from a location to be determined on the project site.
 - b. Excavation, loading, on-site transport, placement, moisture control and compaction of suitable soil materials.
 - c. Overhead and profit.
 - d. Allowance shall be based on the unit price quoted in the Proposal.

- 4. Include all other related costs in the contract sum. Unit price shall not include the excavation of unsuitable soil or rock.
- 5, Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 1500 cy.

H. Allowance No. UP/A-9: Geotextile in place.

- 1. Purpose: To adjust the contract sum in case a quantity different from that indicated in the allowance is required.
- 2. Unit of measurement: square yard of ground surface covered. Overlap, waste or excess shall not be included in payment measurements.
- 3. Include the following in the unit price:
 - a. Materials and transport to site.
 - b. Unloading, handling, and placement.
 - c. Overhead and profit.
 - d. Allowance shall be based on the unit price quoted in the Proposal.
- 4. Include all other related costs in the contract sum.
- 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
- 6. Allowance Quantity: 500 sy.

G. Allowance No. A-10: Signage

1. Allow a lump sum for purchase and/or construction of interior panel signage, fire extinguisher signage, and dimensional lettering, as defined by and specified in "Signage" section of Division 10. Signage material and applicable sales taxes will be paid for as part of this allowance. Note, Labor for Sign Installation shall be included in the Base Bid. Lump Sum: \$ 2,500.00

H. Allowance No. A-11: Contingency

1. Contingency allowance shall be provided as follows and the price shall be adjusted based on the actual cost of subcontracts, materials, and labor, excluding overhead and profit. Allowances for overhead and profit shall be provided within the contract price. If there is unused allowance at the conclusion of the project, the allowance plus 15% will be deducted from the contract.

Lump Sum: \$ 450,000.00

END OF SECTION 01 21 00

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. The cost or credit for each alternate is the net addition to the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
- B. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- C. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- D. Execute accepted alternates under the same conditions as other work of the Contract.
- E. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

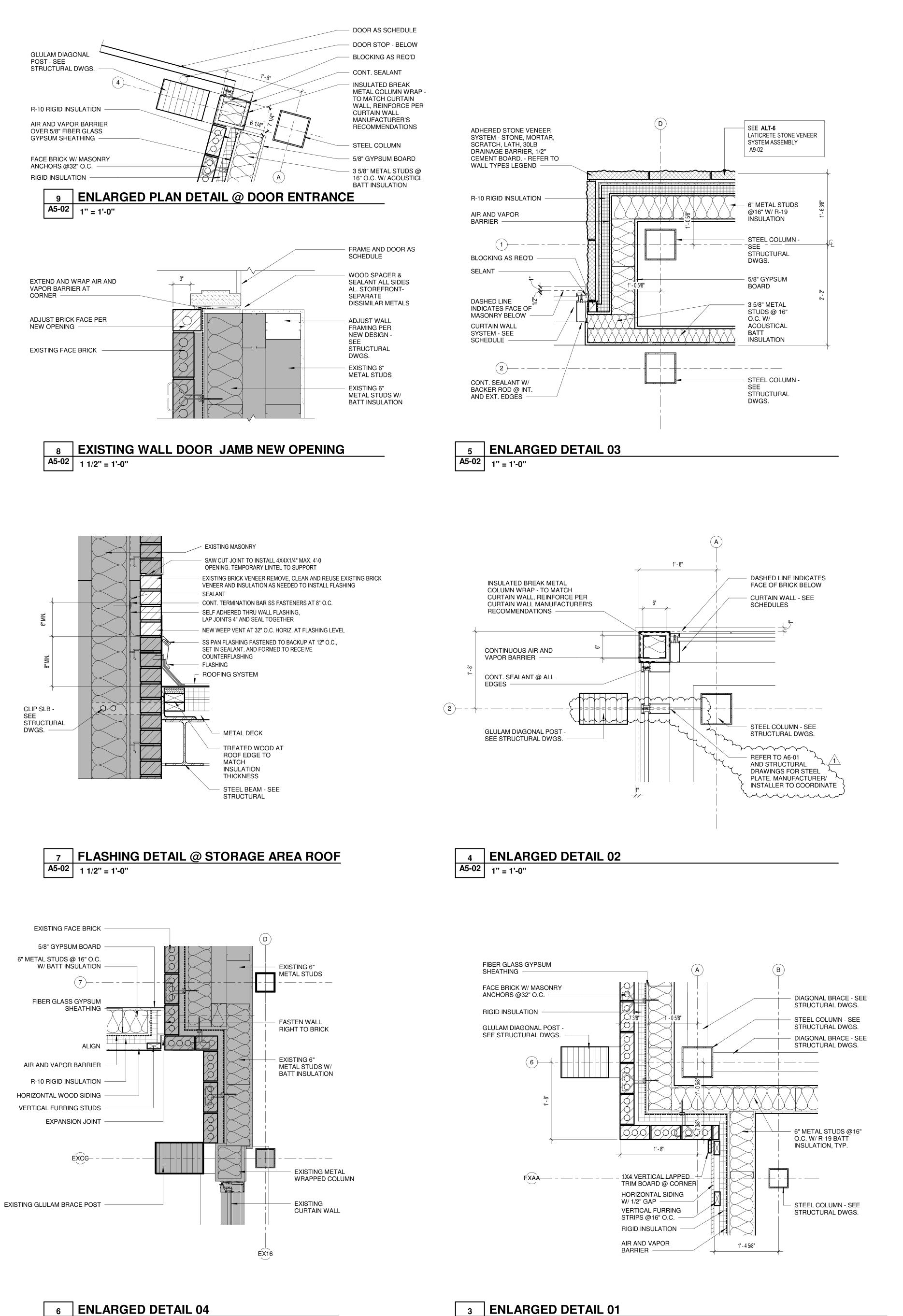
A. <u>Alternate No. 1; Recessed Mounted Retractable Stage:</u> State the amount to be added to the Base Bid for providing all labor and materials to construct the Recessed Mounted Retractable Stage as shown and noted in the Contract Drawings per the plans and specifications.

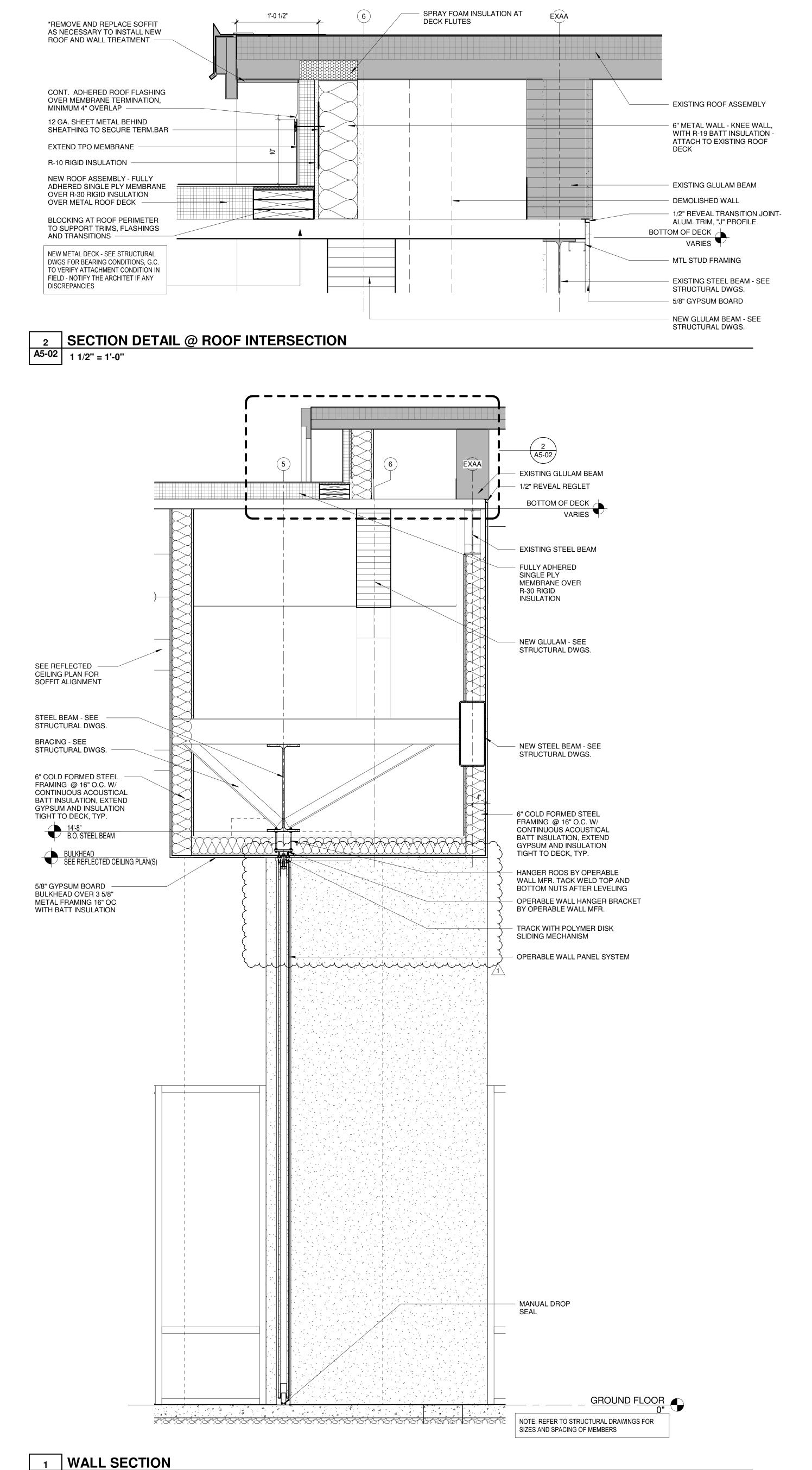
ALTERNATES 01 23 00 - 1

- B. <u>Alternate No. 2; Extension of Existing Entrance Canopy:</u> State the amount to be added to the Base Bid for providing all labor and materials to construct the Extension of the Existing Entrance Canopy improvements as shown and noted in the Contract Drawings per the plans and specifications.
- C. <u>Alternate No. 3; Replacement of Existing Great Hall Flooring:</u> State the amount to be added to the Base Bid for providing all labor and materials for removal of the existing flooring and to install new flooring in areas shown and noted in the Contract Drawings per the plans and specifications.
- D. <u>Alternate No. 4; Motorized Operable Partition:</u> State the amount to be added to the Base Bid for providing all labor and materials to install a (Motorized) Operable Partition as shown and noted in the Contract Drawings per the plans and specifications. NOTE: A manually operable partition shall be provided in the base bid.
- E. <u>Alternate No. 5; Additional Storage:</u> State the amount to be added to the base bid for providing all labor and materials to install Additional Storage as shown and noted in the Contract Drawings per the plans and specifications.
- F. <u>Alternate No. 6: Laticrete Adhered Stone Veneer system (preferred):</u> State the amount to be added/deducted to the Base Bid for providing all labor and materials indicated and required to accomplish Work involved in providing an adhered Stone veneer system using Laticrete or equal.
- G. <u>Alternate No. 7: Owner Preferred Manufacturer(s) Door Hardware:</u> State the amount to be added to the Base Bid for providing all labor and materials indicated and required to accomplish Work involved in providing the Owner Preferred Manufacturers Listed Below:
 - 1. List of Preferred Manufacturers- Von Duprin Exit Devices
 - 2. List of Preferred Manufacturers- Corbin Russwin Locksets
- H. <u>Alternate No. 8: Audio Visual Electrical Rough-in:</u> State the amount to be added to the Base Bid for providing all labor and materials indicated and required to accomplish Work involved in providing the Audio Visual Electrical Rough-in for the equipment to be supplied and installed by the Owner's subcontractor.
- I. <u>Alternate No. E-1: Owner Preferred Manufacturer(s) Fire Alarm Manufacturer:</u> State the amount to be added to the Base Bid for providing all labor and materials indicated and required to accomplish Work involved in providing the Owner Preferred Manufacturers Listed Below:
 - 1. List of Preferred Manufacturers- EST Quick Start Fire Alarm
- J. <u>Alternate No. 9 Concrete Pavement at Parking Lot:</u> State the amount to be added to the Base Bid for providing all labor and materials indicated and required to accomplish Work involved in providing concrete paving in lieu of asphalt as described in the civil drawings.

END OF SECTION 01 23 00

ALTERNATES 01 23 00 - 2





A5-02 3/4" = 1'-0"

ARCHITECTURE T 919 781 8582 4600 Lake Boone Trail Suite 205 Raleigh, NC 27607 info@smithsinnett.com

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SERVICES (

SOUTHERN HUMAN SER RENOVATION AND A

ORANGE COUNTY S SEYMOUR CENTER

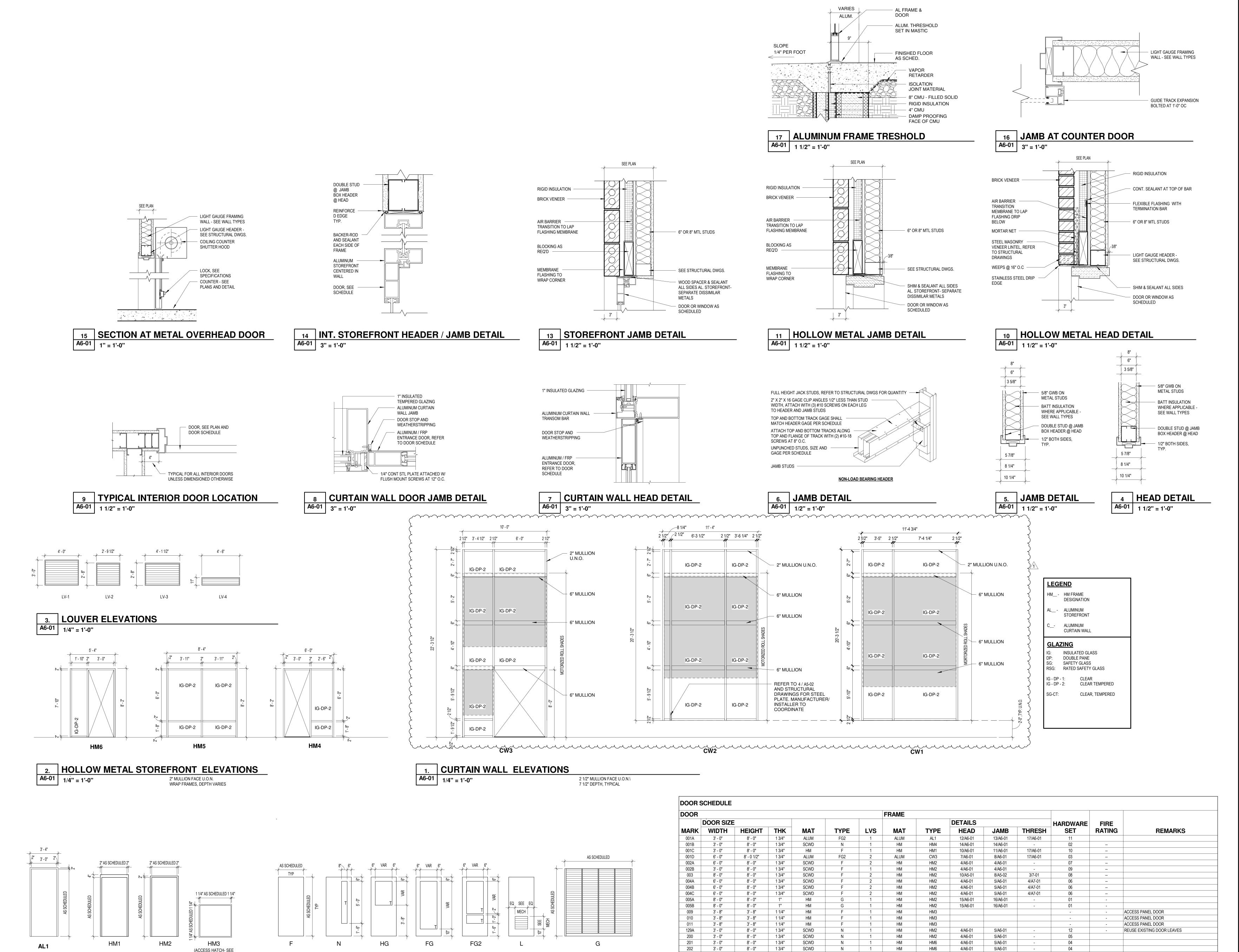
KEY PLAN NO SCALE 1 05/08/2019 ADDENDUM 3

ID DATE DESCRIPTION DRAWN BY: CHECKED BY **DETAILS**

DW

2017027 18 MARCH 2019

A5-02



(ACCESS HATCH- SEE

SPECIFICATIONS)

8' - 0"

1 3/4"

1 3/4"

4/A6-01

4/A6-01

5/A6-01

ARCHITECTURE

T 919 781 8582 4600 Lake Boone Trail Suite 205 Raleigh, NC 27607

info@smithsinnett.com

CENTER SERVICES (ORANGE COUNTY SOUTHERN HUMAN SEYMOUR CENTER RENOVATION AND

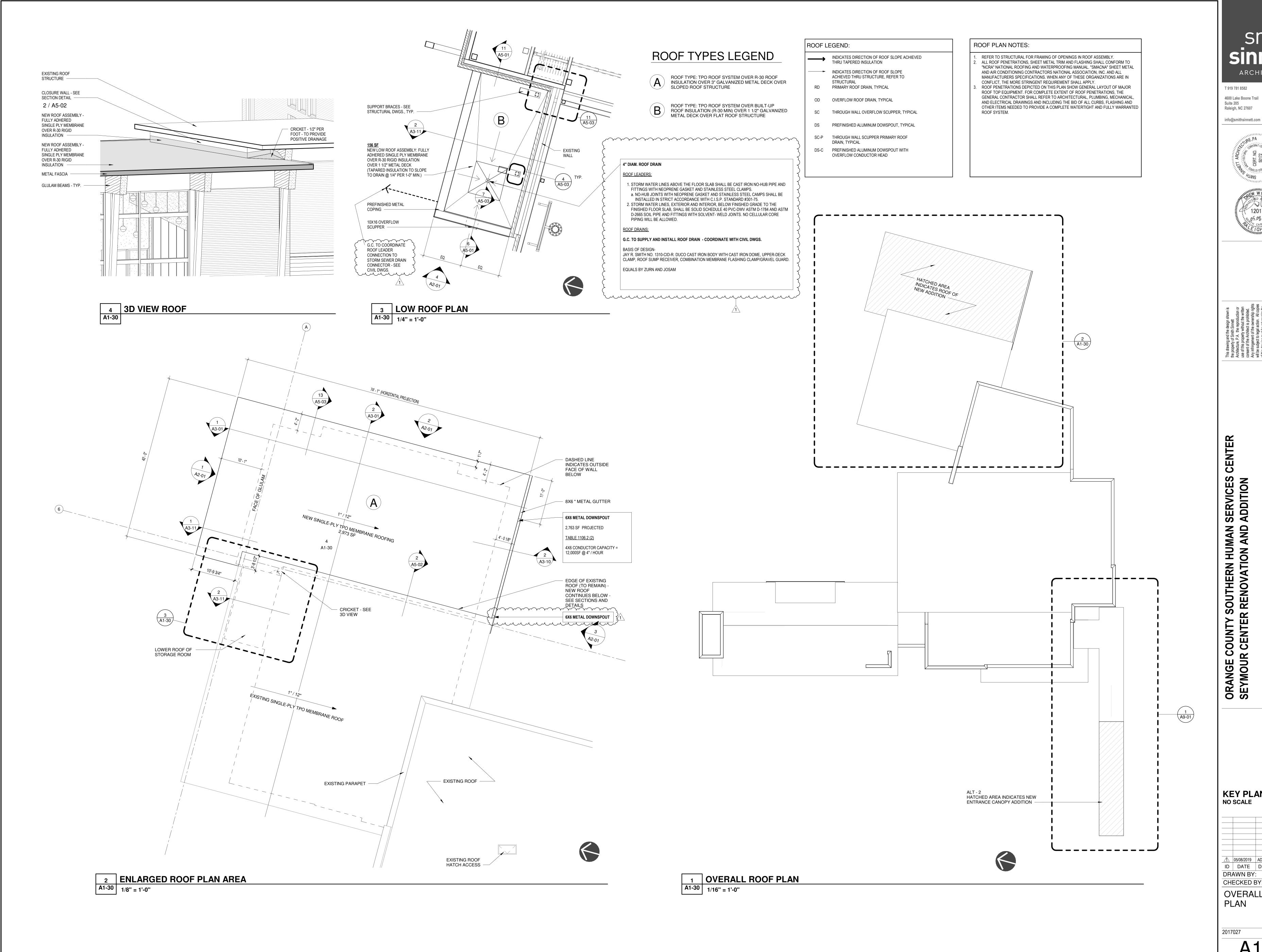
KEY PLAN

NO SCALE

\ 05/08/2019 | ADDENDUM 3 ID DATE DESCRIPTION DRAWN BY: CHECKED BY DW DOOR SCHEDULE &

WINDOW **ELEVATIONS** 18 MARCH 2019

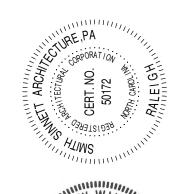
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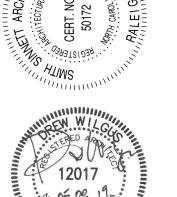


ARCHITECTURE

T 919 781 8582 4600 Lake Boone Trail

Suite 205 Raleigh, NC 27607





ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER SEYMOUR CENTER RENOVATION AND ADDITION

KEY PLAN NO SCALE ID DATE DESCRIPTION

DRAWN BY: CHECKED BY: **OVERALL ROOF** PLAN

18 MARCH 2019

A1-30

Addendum #3

Project: Orange County Southern Human Services Center Phase 1: Seymour Center Expansion

Smith Sinnett Architects Project #: 2017027

Issue Date: May 8, 2019

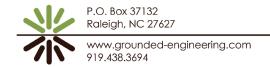
Issued By: Sean A. Dolle, Grounded Engineering



The following is a list of changes that have been made to the plans since the issuance of bid documents. These changes are as a result of Town review comments.

Changes to Plans:

- 1. The driveway into the site has been widened from its connection to Homestead Road to the first driveway into the Seymour Center to accommodate a Town required bike lane. Pavement markings have been provided along the entire length of the driveway (both improved and non-improved sections) to support the bike lane and to provide sharrow pavement marking. A "Bike Lane Ends" sign has been added along the proposed realigned driveway. Pavement marking details and bicycle sign details have been provided. (Refer to sheets C3-10, C3-20, C9-04)
- 2. A "Multi-Purpose Pathway ADA Ramp" detail has been added. (Refer to Sheet C9-04)
- 3. The storm drainage table has been updated per the revisions to the driveway improvements. (Refer to sheet C5-30)
- 4. The existing storm drainage pipe located in the existing driveway entrance that was previously shown to remain is now shown to be removed. (Refer to sheets C2-10, C2-20, C5-10, C5-20)
- 5. Additional detail and revisions have been made to the proposed sand filter system including but not limited to the "Underdrain Bedding". (Refer to sheet C6-30)
- 6. Note #2 on sheet C6-30 has been modified. (Refer to sheet C6-30)
- 7. A "Proposed Driveway Section w/ Bike Lane" detail has been added. (Refer to sheet C9-02)
- 8. Site Demolition Plan Note #9 has been added to sheet C0-01. (Refer to sheet C0-01)
- 9. The proposed retaining wall configuration adjacent to the proposed multi-purpose pathway along Homestead Road has been adjusted. (Refer to sheets C3-20, C5-20)
- 10. A new roof leader has been added along the south side of the proposed building addition. (Refer to sheet C5-10)
- 11. Erosion Control Note #6 on sheet C0-01 has been updated per the Town's request to include the requirement that the contractor shall perform daily inspections of erosion control measures. (Refer to sheet C0-01)
- 12. Site Demolition Note #20 has been added to sheet C0-01. (Refer to sheet C0-01)
- 13. The approximate location for the temporary construction trailer shown on sheet C2-10 has been revised to be outside of the public right-of-way at the Town's request. (Refer to C2-10)





Attachments:

- C0-01 (dated 05.08.2019)
- C2-10 (dated 05.08.2019)
- C2-20 (dated 05.08.2019)
- C3-10 (dated 05.08.2019)
- C3-20 (dated 05.08.2019)
- C5-10 (dated 05.08.2019)
- C5-20 (dated 05.08.2019)
- C5-30 (dated 05.08.2019)
- C6-30 (dated 05.08.2019)
- C9-02 (dated 05.08.2019)
- C9-04 (dated 05.08.2019)

End of Document





PHASE 1 (SHEETS C4-10 & C4-11)

1. OBTAIN A SEDIMENTATION & EROSION CONTROL PERMIT FROM NCDEQ. 2. PRIOR TO BEGINNING CONSTRUCTION (INCLUDING DEMOLITION), THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING ON-SITE WITH NCDEQ INSPECTOR, TOWN FORESTRY INSPECTOR (ADAM NICHOLSON 919.969.5006) AND OWNER'S REPRESENTATIVES. THE CONTRACTOR SHALL PROVIDE EVERYONE WITH A MINIMUM OF 72

HOURS NOTICE FOR ALL ON-SITE MEETINGS. 3. FOLLOWING THE MEETING, IF APPROVED BY NCDEQ, THE CONTRACTOR SHALL PROCEED WITH INSTALLATION OF EROSION CONTROL MEASURES (TEMPORARY SILT FENCE, SILT FENCE OUTLETS, INLET PROTECTION, CONSTRUCTION ENTRANCES, ETC). CONTRACTOR SHALL ONLY DEMOLISH SITE IMPROVEMENTS AS NECESSARY TO INSTALL PROPOSED

EROSION CONTROL MEASURES 4. THE CONTRACTOR SHALL SCHEDULE AN EROSION CONTROL MEASURE INSPECTION WITH NCDEQ INSPECTOR. THE CONTRACTOR SHALL ALSO SCHEDULE A TREE FENCE AND SILT FENCE INSPECTION WITH THE TOWN FORESTRY

DEPARTMENT (ADAM NICHOLSON 919.969.5006) 5. UPON APPROVAL OF EROSION CONTROL MEASURES, THE CONTRACTOR SHALL BEGIN THE DRAW DOWN OF THE EXISTING POND USING A PUMPING SYSTEM. THE PUMPING SYSTEM SHALL RELEASE THE WATER AT A NON-EROSIVE VELOCITY INTO SEDIMENT BAGS AT LOCATION THAT IS PARALLEL TO THE RCD AREA. THE CONTRACTOR SHALL PROVIDE A TEMPORARY DISSIPATOR PAD AT THE OUTLET POINT FOR THE PUMPING OPERATION.

6. ONCE THE POND HAS BEEN COMPLETELY DRAWN DOWN, THE CONTRACTOR SHALL PROCEED TO CONSTRUCTION SEQUENCE - PHASE 2.

PHASE 2 (SHEETS C4-20 & C4-21)

. THE CONTRACTOR SHALL BEGIN DEMOLITION OF EXISTING POND INFRASTRUCTURE. ONCE THE POND INFRASTRUCTURE IS REMOVED, THE CONTRACTOR SHALL BEGIN RE-GRADING OF THE POND AREA TO CONSTRUCT THE TEMPORARY SKIMMER BASIN. THE TEMPORARY SKIMMER BASIN SHALL BE CONSTRUCTED USING THE PROPOSED PERMANENT POND FOOTPRINT INCLUDING THE CONSTRUCTION OF THE EMBANKMENT AND SPILLWAY. THE CONTRACTOR SHALL MAT ALL SLOPES ASSOCAITED WITH THE BASIN AND PERIMETER WITH A ROLLED EROSION CONTROL PRODUCT AFTER SEEDING. AS PART OF THE SKIMMER BASIN CONSTRUCTION, THE CONTRACTOR SHALL BEGIN CONSTRUCTION OF PROPOSED RETAINING WALLS. 2. ONCE THE SKIMMER BASIN HAS BEEN COMPLETED, PROCEED WITH CONSTRUCTION INCLUDING SITE DEMOLITION,

GRADING, AND OTHER SITE IMPROVEMENTS. THE CONTRACTOR SHALL PERFORM ALL GRADING AND OTHER BACKFILL EFFORTS IN ACCORDANCE WITH THE RECOMMENDATION OF THE PROJECT GEOTECHNICAL ENGINEER. 3. THE CONTRACTOR SHALL BEGIN RELOCATION OF ALL EXISTING UTILITIES.

PHASE 3 (SHEETS C4-30 & C4-31)

. INSTALL THE PROPOSED STORM DRAINAGE SYSTEM ON SITE INCLUDING TEMPORARY INLET PROTECTION. THE CONTRACTOR SHALL MINIMIZE IMPACTS TO THE TEMPORARY CONSTRUCTION ENTRANCE AND SHALL REPAIR IT TO GOOD WORKING CONDITION IMMEDIATELY.

2. CONTINUE WITH CONSTRUCTION OF THE REMAINDER OF THE PROPOSED SITE IMPROVEMENTS. 3. ADEQUATELY MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AND/OR INCREASE MAINTENANCE FREQUENCY WHERE APPROVED MEASURES FAIL TO PREVENT ACCELERATED EROSION, OFF-SITE SEDIMENATION, OR REPETITIVE NON-COMPLIANCE ISSUES.

4. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER. SILT FENCE, INLET PROTECTION, AND OTHER SIMILAR MEASURES MUST BE CLEANED OUT BEFORE THEY ARE HALF FULL. CLOGGED STONE FILTERS MUST BE REFRESHED/REPLACED. SILT FENCE CAN NOT HAVE HOLES OR TEARS.

PHASE 4 (SHEETS C440 & C4-41)

1. ONCE GRADING IS COMPLETE, ALL IMPROVEMENTS HAVE BEEN INSTALLED AND THE SITE IS STABILIZED, THE CONTRACTOR SHALL CALL THE NCDEQ INSPECTOR TO REQUEST AN INSPECTION AND OBTAIN APPROVAL TO REMOVE TEMPORARY

MEASURES. DO NOT REMOVE ANY TEMPORARY MEASURES WITHOUT PRIOR NCDEQ INSPECTOR APPROVAL. 2. ONCE AUTHORIZED BY NCDEQ, THE CONTRACTOR SHALL CONVERT THE TEMPORARY SKIMMER BASIN TO THE PERMENANT STORMWATER CONTROL MEASURE. DURING ANY DEQATERING OF THE SKIMMER BASIN, THE CONTRACTOR SHALL DO SO THROUGH A SILT BAG. REFER TO WET POND CONSTRUCTION NOTES AND SEQUENCE PROVIDED ON SHEET C6-10 FOR

ADDITIONAL INFORMATION AND REQUIREMENTS. 3. ONCE AUTHORIZED BY NCDEQ, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND PROVIDE PERMANENT SEEDING WHERE TEMPORARY MEASURES HAVE BEEN REMOVED AND GROUND COVER IS NOT

4. ONCE GRADING IS COMPLETE, TEMPORARY MEASURES ARE REMOVED, THE SITE IS STABILIZED, THE CONTRACTOR SHALL CALL NCDEQ INSPECTOR TO SCHEDULE A FINAL INSPECTION. FULL STABILIZATION ON THE ENTIRE SITE IS REQUIRED IN ORDER TO OBTAIN A CERTIFICATE OF OCCUPANCY.

5. ONCE THE FINAL INSPECTION IS APPROVED, CLOSE THE SEDIMENTATION & EROSION CONTROL PERMIT AND OBTAIN A CERTIFICATE OF COMPLETION FROM NCDEQ.

THE NCDEQ INSPECTOR ASSIGNED TO THIS PROJECT IS: EMAIL ADDRESS: TBD PHONE #: 919.791.4200

EROSION CONTROL NOTES

1. REFER TO GENERAL NOTES.

2. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE APPROVED CONSTRUCTION APPROVED EROSION CONTROL PLAN SHALL BE APPROVED BY NCDEQ. 3. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES FOR THE LIFE OF THE PROJECT AND SHALL ENSURE

THEY ARE CONTINUALLY IN GOOD WORKING CONDITION. 4. THE CONTRACTOR SHALL ENSURE GRADING OPERATIONS ARE PERFORMED IN A MANNER THAT DO NOT ALLOW ANY SEDIMENT OUTSIDE OF THE PROJECT LIMITS OR OFF-SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROMPT

REMOVAL OF ANY MUD, SOILS AND CONSTRUCTION RELATED MATERIALS DEPOSITED UPON THE SURFACES OF THE PUBLIC RIGHT-OF-WAY.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL SELF-INSPECTIONS AND SELF-MONITORING IN ACCORDANCE WITH CONDITIONS OF NPDES PERMIT NO. NCG010000 AND NORTH CAROLINA GENERAL STATUE 113A-54.1(e) AND 15A NCAC 04B .0131 AND SHALL COMPLETE THE REQUIRED SELF-INSPECTION FORM FORM FOUND ON

THE DEMLR WEBSITE (http://deg.nc.gov/about/divisions/energy-mineral-land-resources/erosion-sediment-control/forms)
SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES AND OFFSITE ROADWAYS ARE TO BE PERFORMED DAILY AND WITHIN 24 HOURS OR EVERY RAIN EVENT GREATER THAN 0.5 INCH. ANY NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL ESC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GUAGE SHALL BE INSTALLED AT THE PROJECT SITE FOR

MONITORING. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS ASSOCIATED WITH OFF-SITE BORROW SOURCES, IF NEEDED.

8. THE CONTRACTOR SHALL PROVIDE AND USE A CONCRETE WASH OUT AT THE CONSTRUCTION ENTRANCE. 9. THE FOLLOWING MUST BE KEPT ON SITE UNTIL THE E&SC PLAN HAS BEEN CLOSED OUT BY LAND QUALITY: PREVIOUS 30 DAYS OF SELF INSPECTION REPORTS, RAIN GUAGE, APPROVAL CERTIFICATE/LETTER, APPROVED PLAN, AND NPDES PERMIT. THESE ITEMS SHOULD BE LOCATED IN AN ACCESSIBLE PERMIT BOX NEAR THE MAIN CONSTRUCTION ENTRANCE. FAILURE TO MAINTAIN THESE ON SITE VIOLATES THE NPDES PERMIT.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST POLUTION FROM LEAVING THE PROJECT LIMITS. CONCRETE DUST/WASTE/WASTEWATER MUST BE CLEANED OFF THE ROADWAY BY DRY SWEEPING METHODS ONLY. WATER MUST NOT BE USED TO WASH SEDIMENT OFF OF ROADS, DRIVEWAYS, OR PARKING LOTS. 12. THE CONTRACTOR SHALL NOT REMOVE ANY EROSION CONTROL MEASURES IN ANY PHASE OF CONSTRUCTION

PRIOR TO APPROVAL BY THE NCDEQ INSPECTOR. 13. NO ON-SITE FUEL STORAGE SHALL BE LOCATED WITHIN 50' OF ANY EXISTING OR PROPOSED STORM DRAINAGE INLET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING, SAFETY MEASURES AND APPROVALS NEEDED FOR

ON-SITE FUEL STORAGE. 14. THE SEDIMENT BASIN MUST BE MAINTAINED UNTIL ALL UPGRADE DRAINAGE AREAS HAVE BEEN STABILIZED WITH THE

ESTABLISHMENT OF PERMANENT VEGETATION.

15. ALL DEWATERING OF SEDIMENT CONTAINMENT DEVICES FOR MAINTENANCE, REMOVAL, OR CONVERSION

PURPOSES IS TO BE DONE THROUGH A SILT BAG. 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING ALL GROUND COVER PER CONDITIONS OF THE NPDES PERMIT OR IN CRITICAL AREAS, AT THE END OF THE DAY

NOTIFICATION OF COMBINED SELF-MONITORING

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TOOK EFFECT OCTOBER 1, 2010.

TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION AND NPDES SELF-MONITORING REPORTS, DWQ AND DEMLR DEVELOPED A COMBINED FORM. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF TEH SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTION SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROEJCT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE FORM CAN BE ACCESSED AT: HTTP://PORTAL.NCDENR.ORG/WEB/LR/EROSION.

IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT THE RALEIGH REGIONAL OFFICE AT (919)

GROUND COVER STABILIZATION NOTES

IN COMPLIANCE WITH NPDES PERMIT NO. NCG 010000, GROUND COVER STABILIZATION MUST MEET SPECIFIC TIME FRAMES. SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

1. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY.

2. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITH 14 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY. 3. REFER TO PERMIT FOR ADDITIONAL CONDITIONS AND EXCEPTIONS FOR GROUND STABILIZATION REQUIREMENTS.

NPDES GROUND **STABILIZATION NOTES:**

GENERAL CONTRACTOR TO REFER TO SLOPE STABILIZATION NOTES BELOW WHEN SLOPES ARE

GREATER THAN 3:1. NPDES GROUND STABILIZATION NOTES:

1) GROUND STABILIZATION * SITE AREA STABILIZATION STABILIZATION TIME DESCRIPTION TIME FRAME FRAME EXCEPTIONS 7 DAYS NONE DITCHES, AN SLOPES HIGH QUALITY NONE 7 DAYS WATER (HQW) IF SLOPES ARE 10' (SLOPES ESS IN LENGTH ANI EEPER THAN 7 DAYS ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED SLOPES ARE 7-DAYS FOR SLOPE 3:1 OR FLATTER 14 DAYS **GREATER THAN 5** FEET IN LENGTH. NONE AREAS WITH (EXCEPT FOR SLOPES FLATTER THA

EROSION CONTROL MAINTENANCE CONTACT INFORMATION

P.O. BOX 8181 HILLSBOROUGH, NC 27278 EMAIL: ABARNES@ORANGECOUNTYNC.GOV PHONE: 919.245.2628 FAX: N/A

ORANGE COUNTY

PROPOSED DISTURBED AREA = 5.1 AC

14 DAYS

* "EXTENSIONS OF TIME MAY BE APPROVED BY THE

OMPLIANCE IMPRACTICABLE." (SECTION II.B(2)(b))

PERMITTING AUTHORITY BASED ON WEATHER OR

OTHER SITE-SPECIFIC CONDITIONS THAT MAKE

PERIMETERS AN

hqw zones)

NARRATIVE

THIS PROPOSED PROJECT SITE IS CURRENTLY DEVELOPED WITH AN EXISTING BUILDING PARKING LOT AND INCLUDES SUPPORTING INFRASTRUCTURE SUCH AS UTILITIES AND STORM DRAINAGE. THE NEW IMPROVEMENTS FOR THIS SITE WILL INCLUDE A BUILDING ADDITION, EXPANDED PARKING LOT, A REALIGNED ENTRANCE DRIVEWAY, AND IMPROVED PEDESTRIAN PATHWAY AND INFRASTRUCTURE.

EROSION CONTROL MEASURES INCLUDE CONSTRUCTION ENTRANCE, SILT FENCE, SILT FENCE OUTLETS, INLET PROTECTION, AND A SKIMMER BASIN.

THE CONTRACTOR SHALL FAITHFULLY MAINTAIN ALL SEDIMENTATION AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED BY NCDEQ LAND QUALITY SECTION, IF WARRANTED.

GRADING & DRAINAGE NOTES

1. REFER TO GENERAL NOTES. 2. REFER TO BUILDING PLANS FOR LOCATIONS, SIZES AND MINIMUM SLOPES OF PROPOSED ROOF LEADER CONNECTIONS. 3. COMPACTION OF SOILS SHALL BE PERFORMED IN ACCORDANCE WITH TOWN OF CHAPEL HILL STANDARDS AND SPECIFICATIONS AND/OR RECOMMENDATIONS OF A LICENSED GEOTECHNICAL ENGINEER.

4. THE CONTRACTOR SHALL CONTACT GROUNDED ENGINEERING FOR ANY VARYING SITE CONDITIONS OR DISCREPANCIES AFFECTING SITE ACCESSIBILITY REQUIREMENTS. 5. SLOPES THAT ARE 3:1 OR FLATTER ARE PERMITTED TO BE SEEDED. SLOPES STEEPER THAN 3:1 ARE REQUIRED TO BE SODDED.

1:1 SLOPES ARE NOT PERMITTED UNLESS ADJACENT TO A RETAINING WALL. 1:1 SLOPES ARE NOT ALLOWED WITHIN ANY 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING AND GRADING ALL PROPOSED IMPROVEMENTS IN A

MANNER THAT ALLOWS FOR POSITIVE DRAINAGE AWAY FROM THE BUILDING. PONDING WATER ANYWHERE ON SITE IS PROHIBITED. THE CONTRACTOR SHALL SPILL CURB & GUTTER WHERE NECESSARY TO ENSURE PONDING DOES NOT 7. ALL NEW GRADING SHALL MEET EXISTING GRADES WITH SMOOTH TRANSITIONS

8. EXISTING STORM DRAINAGE AND EXISTING UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES AND STORM DRAINAGE PRIOR TO MOBILIZATION AND REPORT THE RESULTS TO THE OWNER'S REPRESENTATIVE. 9. ROOF LEADERS WILL DRAIN DIRECTLY TO THE DROP INLETS AND STORM STRUCTURES LOCATED ADJACENT TO THE BUILDING

10. NO STATEMENT IS MADE OR IMPLIED THAT THE ON-SITE GRADING AND EARTHWORK INDICATED ON THESE DRAWINGS IS BALANCED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING STRUCTURES WITHIN THE PROJECT LIMITS TO

MATCH THE ADJACENT GRADE. 12. PRIOR TO ANY LAND DISTURBANCE ON THE SITE, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE TOWN OF CHAPEL HILL STORMWATER MANAGEMENT DIVISION, ENGINEERING DIVISION, AND GROUNDED

SITE ACCESSIBILITY NOTES

1. ALL BUILDINGS WITHIN THE BOUNDARY OF THIS SITE, UNLESS OTHERWISE NOTED AS EXEMPT, SHALL HAVE "ACCESSIBLE ROUTES" AS REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, FAIR HOUSING STANDARDS, AND GOVERNING STATE HANDICAP CODE STANDARDS. THESE STANDARDS FOR ACCESSIBILITY INCLUDE, BUT ARE NOT LIMITED TO:

MAXIMUM WALK SLOPE = 1:20

MAXIMUM RAMP SLOPE = 1:12 WITH RAILING

 MAXIMUM CROSS SLOPE = 2.0% ALL WALKS TO BE BROOM FINISHED CONCRETE UNLESS OTHERWISE SPECIFIED ON THESE DRAWINGS 2. ALL ADA DESIGNATED PARKING SPACES, INCLUDING LOADING/UNLOADING AISLES SHALL BE INSTALLED SUCH THAT THE MAXIMUM SLOPE IN ANY DIRECTION IS 2.0%.

3. THE WORK TAKING PLACE RELATED TO THE CHANGES IN THIS SITE PLAN WILL BE FULLY COMPLIANT WITH THE NORTH CAROLINA ACCESSIBILITY CODES (ANSI 117.1 - 2009 AND CHAPTER 11 OF THE NCBC) UNLESS AND EXCEPT IN AREAS WHERE AN APPROVED Stateement from a site engineer, surveyort, or architect verifies that site conditions exist where the topography of the SITE IS EXTREME AND ONLY ALTERNATE METHODS OF COMPLIANCE ARE POSSIBLE

4. PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY, THE APPLICANT SHALL PROVIDE THE MINIMUM REQUIRED HANDICAPPED PARKING SPACES AND DESIGN ALL HANDICAPPED PARKING SPACES, RAMPS, AND CROSSWALKS, AND ASSOCIATED INFRASTRUCTURE ACCORDING TO AMERICANS WITH DISABILITIES ACT STANDARDS, NORTH CAROLINA BUILDING CODE, AMERICAN NATIONAL STANDARDS

INSTITUTE (ANSI) CODE, AND TOWN STANDARDS. 5. PARKING - THE NUMBER OF SPACES SHALL COMPLY WITH NCBC 2012 SECTION 1106.1, 1 PER 6 COMPLIANT SPACES OR PORTION THEREOF MUST BE VAN ACCESSIBLE. NO SLOPE SHALL EXCEED 2.0% IN ANY DIRECTION. SIGNAGE PER NC REQUIREMENTS, MUTCD, AND ICC

6. CURB CUTS AND ACCESSIBLE ROUTES SHALL BE CONSTRUCTED PER ICC A117.1 2009 ED. CROSS SLOPE SHALL NOT EXCEED 2.0%.

CONTRACTOR SHALL CALL FOR INSPECTION PRIOR TO PLACEMENT OF CONCRETE. 7. SIDEWALKS GREATER THAN 5.0% ARE REQUIRED TO BE CONSTRUCTED AS A RAMP.

SITE LAYOUT NOTES

2. BUILDING SIZE, DIMENSIONS, AND LOCATION ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR DETAILED INFORMATION INCLUDING DIMENSIONS AND LOCATION. 3. ALL PARKING STALL CORNER RADII ARE 3.0' UNLESS OTHERWISE INDICATED.

4. ALL WALLS (RETAINING, SCREENING, AND SEATING) ARE SHOWN ON THIS PLAN FOR DIAGRAMATIC PURPOSES ONLY. THESE PLANS DO NOT PROVIDE ANY STRUCTURAL OR OTHER DESIGN ASSOCIATED WITH THE PROPOSED WALLS. REFER TO ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR DETAILS AND INFORMATION. 5. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION JOINTS FOR ALL CONCRETE SIDEWALK AND CONCRETE PAVING IN

ACCORDANCE WITH GUIDELINES PROVIDED BY THE PORTLAND CEMENT ASSOCIATION AND THE AMERICAN CONCRETE 6. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%. ALL SIDEWALKS ADJACENT TO BUILDINGS SHALL SLOPE

AWAY FROM THE BUILDING. 7. ALL ON-SITE PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH TOWN OF CHAPEL HILL STANDARDS AND THE PROJECT GEOTECHNICAL REPORT.

8. THE CONTRACTOR SHALL NOT PERFORM ANY WORK INSIDE THE PUBLIC RIGHT-OF-WAY PRIOR TO RECEIPT OF ALL APPROPRIATE PERMITS. UPON RECEIPT, THE CONTRACTOR SHALL MAINTAIN A COPY OF THE PERMITS ON SITE AT ALL TIMES DURING CONSTRUCTION.

9. ALL PROPOSED STOP SIGNS SHALL BE R1-1 HIGH INTENSITY PRISMATIC AND SHALL BE A MINIMUM SIZE OF 36" X 36". MOUNTING HEIGHT IS SEVEN (7) FEET TO THE BOTTOM OF THE SIGN. U-CHANNEL POSTS SHALL BE USED FOR MOUNTING. ALL CROSSWALKS SHALL MEET THE MUTCD NCDOT STANDARD HIGHWAY DETAIL 1205.07 FOR HIGH VISIBILITY OR STANDARD CROSSWALKS USING THE 30" W11-2 AND 24" X 12" W16-7P SIGNS. THESE SIGNS AND PLACARDS MUST BE HIGH INTENSITY FLOURESCENT YELLOW-GREEN.

ALL STOP BARS SHALL BE INSTALLED A MINIMUM OF FOUR (4) FEET BEHIND THE CROSSWALK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN TO THE TOWN OF CHAPEL HILL AND NODOT STAFF FOR REVIEW AND APPROVAL PRIOR TO PERFORMING ANY WORK INSIDE OF THE PUBLIC RIGHT-OF-WAY. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH THE TOWN OF CHAPEL HILL AND NCDOT STANDARDS AND SPECIFICATIONS STANDARDS. PUBLIC NOTICE FOR CLOSURE OF ANY PORTION OF ROADWAY MUST BE PROVIDED A MINIMUM OF 3-5 DAYS PRIOR TO CLOSURE.

GENERAL NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM WITH TOWN OF CHAPEL HILL STANDARDS AND SPECIFICATIONS. ALL CONSTRUCTION IN THE HOMESTEAD ROAD PUBLIC RIGHT-OF-WAY SHALL CONFORM WITH NCDOT STANDARDS AND SPECIFICATIONS. ALL WATER AND SANITARY SEWER UTILITY IMPROVEMENTS SHALL CONFORM WITH OWASA STANDARDS AND SPECIFICATIONS.

2. EXISTING BOUNDARY, TOPOGRAPHY, AND EXISTING CONDITIONS TAKEN FROM SURVEY BY RILEY SURVEYING, PA. THE SURVEY WAS PROVIDED BY ORANGE COUNTY. PORTIONS OF THE EXISTING CONDITIONS INFORMATION SHOWN ARE BASED ON PREVIOUS SITE CONSTRUCITON PLANS ENTITLED SOUTHERN ORANGE COUNTY SENIOR CENTER, DATED 12.22.2005 AND PREPARED BY COULTER JEWELL THAMES, PA AND ASBUILT CONSTRUCTION PLANS PROVIDED BY THE

CONTRACTOR FOR THE SOUTHERN ORANGE COUNTY SENIOR CENTER PROJECT. 3. PER FEMA MAP #371098800K DATED DATED NOVEMBER 17, 2017, A FEMA MAPPED FLOODPLAIN DOES NOT EXIST ON

THIS PROPERTY. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, COORDINATING, AND PAYMENT FOR ALL NECESSARY LOCATING SERVICES INCLUDING INDEPENDENT LOCATING SERVICES. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES LOCATED AT LEAST 48 HOURS PRIOR TO BEGINNING DEMOLITION, EXCAVATION, OR ANY OTHER FORM OF CONSTRUCTION. THE CONTRACTOR SHALL IMMIEDIATELY NOTIFY THE OWNERS REPRESENTATIVES OF ANY DISCREPANCIES OR CONFLICTS.

5. ALL SUB-SURFACE UTILITIES IDENTIFIED ON THESE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURVEY INFORMATION, FIELD OBSERVATIONS, AND OTHER RECORD DRAWINGS WHICH MAY BE AVAILABLE. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES.

6. EXISTING IMPROVEMENTS DAMAGED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COORDINATING INSPECTIONS, CERTIFICATIONS, AND OTHER REQUIREMENTS WHICH MUST BE MET UNDER THIS CONTRACT.

8. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO RECORD THE ACTUAL LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS WILL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT REGULAR INTERVALS THROUGHOUT THE PROJECT FOR RECORD KEEPING AND AT THE CONCLUSION OF CONSTRUCTION. 9. IF DEPARTURES FROM THE PROJECT DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR,

DETAILS OF SUCH DEPARTURES AND REASONS THERE FOR SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY EXISTING UTILITY INFRASTRUCTURE REQUIRED TO COMPLETE ANY PORTION OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COORDINATION AND COSTS OF ASSOCIATED WORK. 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PREMISES FREE FROM ACCUMULATION OF WASTE

MATERIALS AND RUBBISH CAUSED BY THE CONTRACTOR. ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE ON A DAILY BASIS. 12. NO OPEN BURNING SHALL BE PERMITTED DURING THE COURSE OF THIS PROJECT.

THIS SITE WILL REMAIN AN ACTIVE CAMPUS DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL CONSTRUCTION ACTIVITY PERFORMED DOES NOT INTERFERE WITH THE ABILITY OF THE SUBJECT PARCEL TO REMAIN ACTIVE AND SAFE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINOUS SERVICE AND ACCESS TO THE CAMPUS AND EACH BUILDING, INCLUDING BUT NOT LIMITED TO UTILITY, PEDESTRIAN, VEHICULAR, FIRE, AND TRANSIT.

14. THE CONTRACTOR SHALL NOT INTERRUPT UTILITY SERVICES TO ANY OF THE ADJACENT PROPERTIES WITHOUT PRIOR NOTICE, COORDINATION, AND APPROVAL BY THE APPROPRIATE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT STORE VEHICLES, EQUIPMENT, AND/OR CONSTRUCTION RELATED MATERIALS WITHIN THE PUBLIC RIGHTS-OF-WAY.

16. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND/OR METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.

SITE DEMOLITION PLAN NOTES

1. REFER TO GENERAL NOTES.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROPRIATE SIGNAGE AND MEASURES TO SECURE THE CONSTRUCTION SITE AND MAINTAIN SAFETY FOR ALL PARTIES.

3. THE CONTRACTOR SHALL REMOVE CONCRETE (WHERE REQUIRED) TO THE FIRST COLD JOINT OR SAW CUT TO OBTAIN A 4. THE CONTRACTOR SHALL SAW CUT ASPHALT (WHERE REQUIRED) TO OBTAIN A CLEAN EDGE

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING EVERYTHING WITHIN THE CLEARING LIMITS INCLUDING TREES, STUMPS, TRASH, FENCING, AND BUILDING MATERIALS 6. CLEANOUTS AND WATER VALVES LOCATED IN AREAS OF DEMOLITION OR SUBSEQUENT CONSTRUCTION SHALL BE

PROTECTED FROM DAMAGE AND ADJUSTED TO BE FLUSH WITH NEW GRADE. 7. CLEAN SOILS SHALL BE UTILIZED FOR BACKFILL. COMPACTION OF THESE SOILS SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.

8. ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE REMOVED COMPLETELY, INCLUDING ALL SUBGRADE MATERIALS DIRECTLY ASSOCIATED WITH ITEMS TO BE REMOVED. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING UTILITIES SHOWN AS TO BE RELOCATED. THE CONTRACTOR SHALL NOT ABANDON EXISTING UTILITIES IN PLACE.

}~10:^^^^ANYMATERIALS/REMOVEDAS/RARTOPDEMOKTION/FORTHIS/PROJECT/SHAŁLBE/RROPRELYDISROSED/OFFOFFSITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS. 1.1/////THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMIS ASSOCIATED WITH A/////

TEMPORARY CONSTRUCTION TRAILER IF ONE IS TO BE USED. 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SHORING AND STRUCTURAL STABILIZATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSULTING WITH A STRUCTURAL ENGINEER PRIOR TO REMOVAL

OF ANY STRUCTURAL ELEMENTS. THESE PLANS DO NOT PROVIDE ANY STRUCTURAL ENGINEERING RECOMMENDATIONS. 14. THE TEMPORARY CONSTRUCTION PERIMETER CHAIN LINK FENCE SHALL BE INSTALLED AT THE ONSET OF CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROPRIATE TRAFFIC CONTROL MEASURES TO CONTROL CONSTRUCTION TRAFFIC IN AND OUT OF THE PROJECT SITE INCLUDING FLAGGERS.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL INACTIVE INFRASTRUCURE WITHIN THE AREA OF DEMOLITION. 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING SITE DEMOLITION PHASING IN A MANNER THAT ENSURES ALL STORM DRAINAGE CONTINUES TO PROPERLY FUNCTION AND DRAIN AS INTENDED. THE CONTRACTOR

SHALL PROVIDE TEMPORARY PIPING IF NEEDED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ENSURING WATER DRAINS AWAY FROM ALL BUILDINGS WITHIN THE PROJECT LIMITS. 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL PEDESTRIAN PATHWAYS OUTSIDE OF THE PROJECT AREA REMAIN SAFE AND FREE OF DEBRIS. THE CONTRACTOR SHALL PERFORM A DAILY CHECK AT MINIMUM. 19. IF CONSTRUCTION MEANS AND METHODS REQUIRE ANY TEMPORARY PUBLIC LANE OR SIDEWALK CLOSURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE TOWN OF CHAPEL HILL AND

NCDOT THE CONTRACTOR SHALL PROVIDE A TEMPORARY LOCATION FOR EXSITING DUMPSTERS AND ROLL-OUT TRASH CARTS DURING CONSTRUCTION. THE LOCATION SHALL BE COORDINATED WITH ONLSOW COUNTY SOLID WASTE AND THE OWNER PRIOR TO PLACEMENT.

TEMPORARY FENCING NOTES

1. THE TEMPORARY CHAIN LINK SECURITY FENCING SHALL BE INSTALLED AS TO PROVIDE A MAXIMUM OF 2" GAP BETWEEN THE BOTTOM OF THE FENCING AND THE GROUND. 2. THE TEMPORARY 6' HIGH CHAIN LINK CONSTRUCTION PERIMETER FENCING SHALL BE INSTALLED ON METAL SUPPORTS OR

EMBEDDED IN GROUND. THE CONTRACTOR SHALL BE RESPOSIBLE FOR ENSURING THAT THE FENCE SYSTEM IS PROPERLY WEIGHTED DOWN WITH SANDBAGS OR OTHER WEIGHTED ITEMS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. 3. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN GREEN OR BLACK POLYETHEYLENE SCREENING WITH

BINDING ON ALL TEMPORARY CHAIN LINK FENCING INCLUDING GATES. THE SCREENING SHALL BE INSTALLED ON THE "CONSTRUCTION SIDE" OF THE FENCING. 4. THE CONTRACTOR SHALL PROVIDED TWO (2) SEPARATE CHAINS FOR THE TEMPORARY CHAIN LINK GATE ASSOCIATED

WITH THIS PROJECT. ONE (1) CHAIN SHALL BE SECURED WITH A LOCK PROVIDED BY THE CONTRACTOR AND ONE (1) CHAIN SHALL BE SECURED IN A LOCK PROVIDED BY THE OWNER. THE CHAINS SHALL BE LOCKED IN A MANNER THAT WILL ALLOW EITHER PARTY TO ACCESS THE PROJECT SITE WITHOUT THE OTHER PARTY PRESENT TO REMOVE THEIR LOCK. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY FENCING THROUGHOUT THE DURATION OF

6. THE CONTRACTOR SHALL NOT REMOVE ANY SECTION OF FENCING WITHOUT OWNER AUTHORIZATION. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO EXISTING GROUNDS IMPACTED OR DAMAGED BY THE

SUPPORTS AND POSTS FOR THE TEMPORARY FENCING, INCLUDING PAVED SURFACES. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF THE TEMPORARY PERIMETER FENCING AND ASSOCIATED MATERIALS AT THE CONCLUSION OF THE PROJECT.

UTILITY NOTES

SEPARATION AND DEPTH REQUIREMENTS.

2. EXISTING UTILITIES IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED OR RELOCATED. 3. THIS PLAN IS DIAGRAMMATIC AND REPRESENTS THE APPROXIMATE LOCATION OF UTILITIES UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR SHALL COORDINATE THE ACTUAL AND PROPOSED LOCATION OF UTILITIES TO AVOID

4. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ELECTRIC, GAS, TELEPHONE AND OTHER UTILITY SERVICES WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVED AREAS. ALL UTILITY LINES SHALL BE INSTALLED UNDERGROUND PER THE APPLICABLE LOCAL CODE, STANDARDS AND SPECIFICATIONS.

5. ALL CLEAN-OUTS OUTSIDE OF THE BUILDING LOCATED IN PAVEMENT AREAS (ASPHALT OR CONCRETE) SHALL BE CAPPED WITH A MINI-MANHOLE 6. ALL SANITARY SEWER SERVICES OUTSIDE OF THE BUILDING SHALL HAVE A MINIMUM SLOPE OF 2.0%.

7. SITE LIGHTING SHALL BE PROVIDED BY DUKE ENERGY. 8. ALL UTILITY SERVICE CONNECTIONS TO THE BUILDING AND UTILITY EQUIPMENT ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ACTUAL LOCATION WITH THE BUILDING

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING UTILITY STRUCTURES (MANHOLES, VALVES, METER BOXES, ETC.) WITHIN THE PROJECT LIMITS TO MATCH THE ADJACENT GRADE. ALL UTILITY RELOCATIONS SHOWN ARE SCHEMATICALLY DRAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND RELOCATION OF THE LINES IN A MANNER THAT CONFORMS WITH ALL APPLICABLE LOCATION.

9. SITE LIGHTING TO BE PROVIDED BY DUKE ENERGY. THE CONTRACTOR SHALL BE REPSPONSIBLE FOR COORDINATING WITH

DUKE ENERGY, PROVIDING STAKING/LAYOUT SERVICES, AND INSTALLING ALL NECESSARY CONDUITS AS REQUIRED BY

12. HORIZONTAL SEPARATION OF 10 FEET AND A MINIMUM VERTICAL SEPARATION OF 18 INCHES SHALL BE PROVIDED BETWEEN SANITARY SEWER AND STORM SEWER PIPES.

ALL CONSTRUCTION SHALL CONFORM WITH TOWN OF CHAPEL HILL STANDARDS AND SPECIFICATIONS. ALL CONSTRUCTION INSIDE OF THE HOMESTEAD ROAD PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH NCDOT STANDARDS AND SPECIFICATIONS. ALL PROPOSED WATER AND SANITARY SEWER CONTRUCTION SHALL COMPLY WITH OWASA STANDARDS AND

REFER TO SHEET C-001 FOR PROJECT AND SHEET RELATED NOTES.

CONTRACTOR PHASING NOTES

SPECIFICATIONS.

1.THE CONTRACTOR SHALL MAINTAIN ACCESS TO AT LEAST 102 PARKING SPACES DURING THE ENTIRE DURATION OF CONSTRUCTION FOR USE BY PATRONS OF THE SEYMOUR CENTER. THESE SPACES SHALL BE LOCATED AT THE SEYMOUR CENTER. PARKING SPACES ASSOCIATED WITH THE ORANGE COUNTY HEALTH SERVICES BUILDING SHALL NOT BE UTILIZED TO MEET THIS REQUIREMENT.

DURATION OF CONSTRUCION FOR USE BY PATRONS OF THE SEYMOUR CENTER. THESE SPACES SHALL BE LOCATED AT THE SEYMOUR CENTER. PARKING SPACES ASSOCIATED WITH THE ORANGE COUNTY HEALTH SERVICES BUILDING SHALL NOT BE UTILIZED TO MEET THIS REQUIREMENT.

2.THE CONTRACTOR SHALL MAINTAIN ACCESS TO AT LEAST SIX (6) ADA PARKING SPACES DURING THE ENTIRE

3.THE CONTRACTOR SHALL MAINTAIN A CONTINUOUS, SAFE, AND ADA ACCESSIBLE SIDEWALK INTO THE SEYMOUR CENTER AT ALL TIMES. 4.THE CONTRACTOR SHALL MAINTAIN A SAFE PAVED VEHICULAR PATHWAY FROM HOMESTEAD ROAD TO BOTH

THE SEYMOUR CENTER AND ORANGE COUNTY HEALTH SERVICES BUILDING DURING THE ENTIRE DURATION OF CONSTRUCTION. THE VEHICULAR ACCESS SHALL MEET ALL FIRE APPARATUS AND EMERGENCY VEHICLE ACCESS REQUIREMENTS 5.THE CONTRACTOR SHALL PROVIDE THE OWNER AT LEAST 48 HOUR NOTICE OF ANY CHANGES TO TRAFFIC

PATTERNS ON SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROPRIATE WAY FINDING SIGNAGE TO ASSIST PATRONS (VEHICULAR AND PEDESTRIAN) WITH NAVIGATING THE SITE DURING CONSTRUCTION.

6.THE CONTRACTOR SHALL PROVIDE SIDEWALK CLOSURE SIGNS AND BARRICADES FOR ANY SIDEWALK CLOSURES DURING CONSTRUCTION. 7.THE CONTRACTOR SHALL NOT DISRUPT UTILITY SERVICE TO THE SEYMOUR CENTER OR THE ORANGE COUNTY HEALTH SERVICES BUILDING.

8.THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE COUNTY'S DUMPSTERS DURING THE ENTIRE DURATION OF 9.THE CONTRACTOR SHALL NOT UTILIZE ANY OF THE PARTRON PARKING SPACES ANYWHERE ON SITE FOR CONSTRUCTION PARKING OR STORAGE. THE CONTRACTOR SHALL PARK ALL CONSTRUCTION-RELATED VEHICLES (INCLUDING CONTRACTOR AND SUBCONTRACTOR EMPLOYEES) WITHIN THE CONSTRUCTION LAYDOWN AREA OR WITHIN THE DESIGNATED CONTRACTOR PARKING SPACES IDENTIFIED ON THE CONSTRUCTION PLANS. THE DESIGNATED CONTRACTOR PARKING SPACES LOCATED AT THE ORANGE COUNTY HEALTH SERVICES BUILDING SHALL ONLY BE USED FOR PARKING, NOT FOR ANY MATERIAL STORAGE.

PAVEMENT MARKING & SIGN NOTES

1. ALL SITE SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), NCDOT, AND TOWN OF CHAPEL HILL STANDARDS.

2. ALL SIGNS SHALL BE MOUNTED WITH 5-FT MINIMUM VERTICAL CLEARANCE TO THE BOTTOM OF THE SIGN ON 2 LB GALVANIZED STEEL U-CHANNEL POST SET IN 3 FT DEEP x 12 INCH DIAMETER CONCRETE FOOTING. 3. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND NCDOT STANDARDS AND THE PROJECT SPECIFICATIONS

4. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC TYPE EXCEPT FOR PARKING SPACE LINES WHICH MAY BE THERMOPLASTIC OR ALKYD-RESIN TYPE PAINT.

CONSTRUCTION WASTE NOTES

1. All existing structures 500 square feet and larger shall be assessed prior to the issuance of a demolition permit to ensure compliance with the County's Regulated Recyclable Materials Ordinance (RRMO) and to assess the potential for deconstruction and/or the reuse of salvageable materials.

2. Pursuant to the County's RRMO, clean wood waste, scrap metal, and corrugated cardboard present in construction or demolition waste must be recycled.

3. Pursuant to the County's RRMO, all haulers of mixed construction and demolition waste which includes any regulated recyclable materials shall be licensed by Orange County. 4. Prior to any demolition or construction activity on the site, the applicant shall hold a

meeting held with other development/enforcement officials. 5. The presence if any asbestos containing materials ('ACM') and/or other hazardous materials shall be handled in accordance with any and all local, state, and federal regulations and guidelines.

pre-demolition/pre-construction conference with Solid Waste staff. This may be the same pre-construction

TOWN REQURIED CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION SYSTEMS AND DEVICES AND SANITARY SAFEGUARDS ARE MAINTAINED AT ALL TIMES DURING REMODELING, REPAIRS, ALTERATIONS, OR ADDITIONS TO THE BUILDING. 2. ALL CONSTRUCTION AND DEMOLITION CONDUCTED SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE NC FIRE CODE. 2018 NCFC CHAPTER 33.

B. DURING CONSTRUCTION AND DEMOLITION WHERE HOT WORK, MATERIALS SUBJECT TO SPONTANEOUS COMBUSTION, OR OTHER HAZARDOUS CONSTRUCTION OR DEMOLITION IS OCCURRING, THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR MAINTAINING A FIRE WATCH. THE FIRE WATCH SHALL CONSIST OF AT LEAST ONE PERSON WITH A MEANS OF COMMUNICATING AN ALARM TO 911, SHALL HAVE A WRITTEN ADDRESS POSTED IN A CONSPICUOUS LOCATION, AND SHALL MAINTAIN CONSTANT PATROLS. 2018 NCFC SECTION

4. WHERE ACCESS TO OR WITHIN A STRUCTURE OR AN AREA IS RESTRICTED BECAUSE OF SECURED OPENING OR WHERE IMMEDIATE ACCESS IS NECESSARY FOR LIFE-SAVING OR FIRE-FIGHTING PURPOSES, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE A KEY BOX TO BE INSTALLED IN AN APPROVED LOCATION. THE KEY BOX SHALL BE OF AN APPROVED TYPE LISTED IN ACCORDANCE WITH UL 1037, AND SHALL CONTAIN KEYS TO NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL. 2018 NCFC 506.1.

5. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VEHICLE ACCESS FOR FIREFIGHTING. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION ALLOWS THE PASSAGE OF VEHICLES. SIGNS SHALL BE OF AN APPROVED SIZE, WEATHER RESISTANT, AND MAINTAINED UNTIL REPLACED BY PERMANENT SIGNS. 2018 NCFC SECTION 505.2. 6. FENCING AROUND PROJECTS SHALL INCLUDE ACCESS GATES WITH A 20-FOOT SWING OR SLIDE MOTION. ANY AREAS WHICH WILL BE INACCESSIBLE FOR FIREFIGHTING OR RESCUE OPERATIONS SHALL BE NOTED. EMERGENCY ACCESS DESIGNATION FOR APPARATUS SHALL BE BE PROVIDED. 2018 NCFC SECTION 503, APPENDIX D.

7. THE CONTRACTOR SHALL NOT BLOCK OR OBSTRUCT ACCESS TO FIRE PROTECTION EQUIPMENT, INCLUDING BUT

NOT LIMITED TO FIRE DEPARTMENT CONNECTIONS, POST INDICATOR VALVES, RISER ROOMS, AND OTHER SIMILAR

Know what's below. Call before you dig.



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4909 Liles Road Raleigh, NC 27606 919.438.3694 (o)



08 MAY 2019

SERVICES ADDITION MAN

SOUTHERN HUN S 2 CENTER RANGE CO

KEY PLAN

NO SCALE

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SITE NOTES

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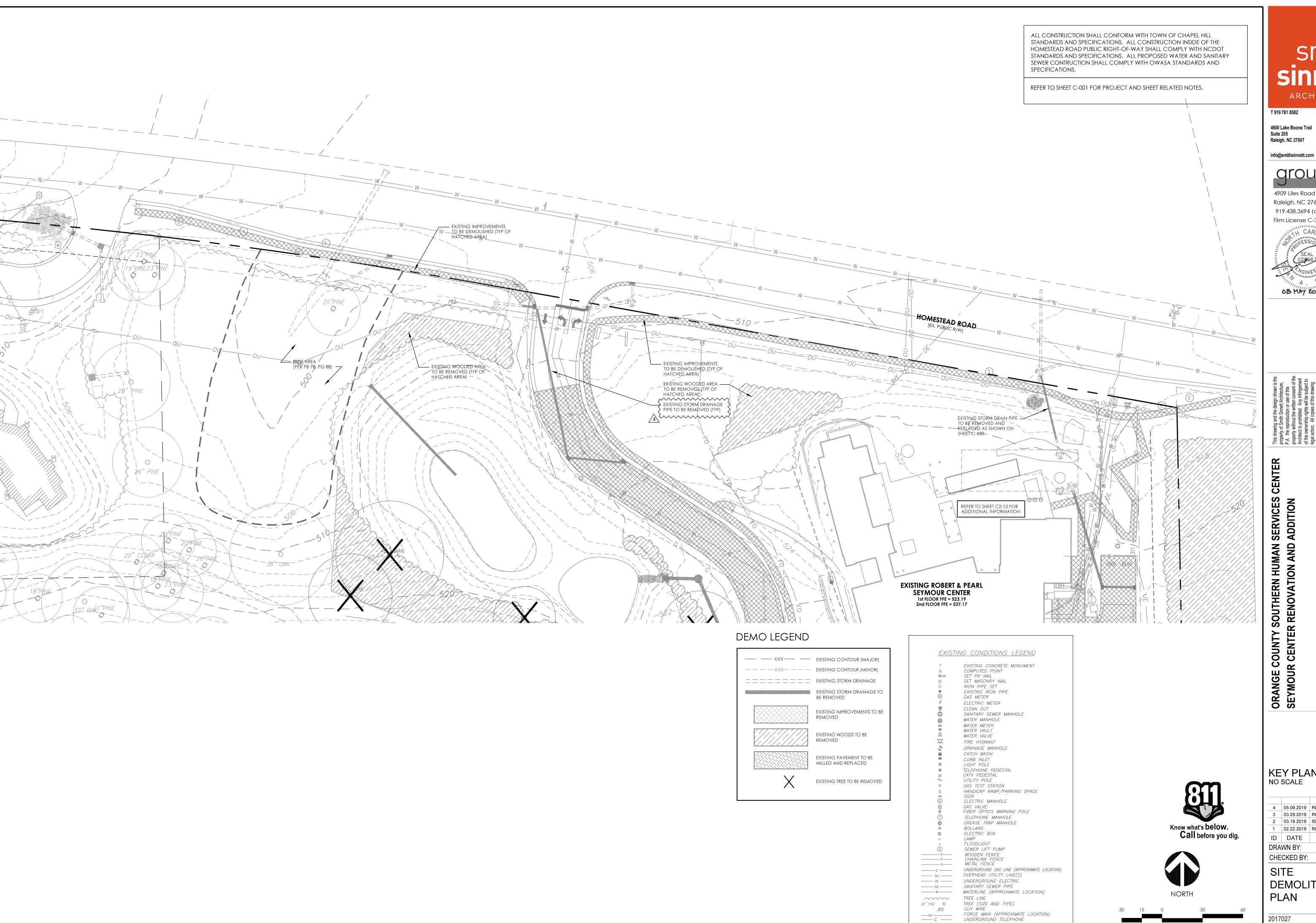
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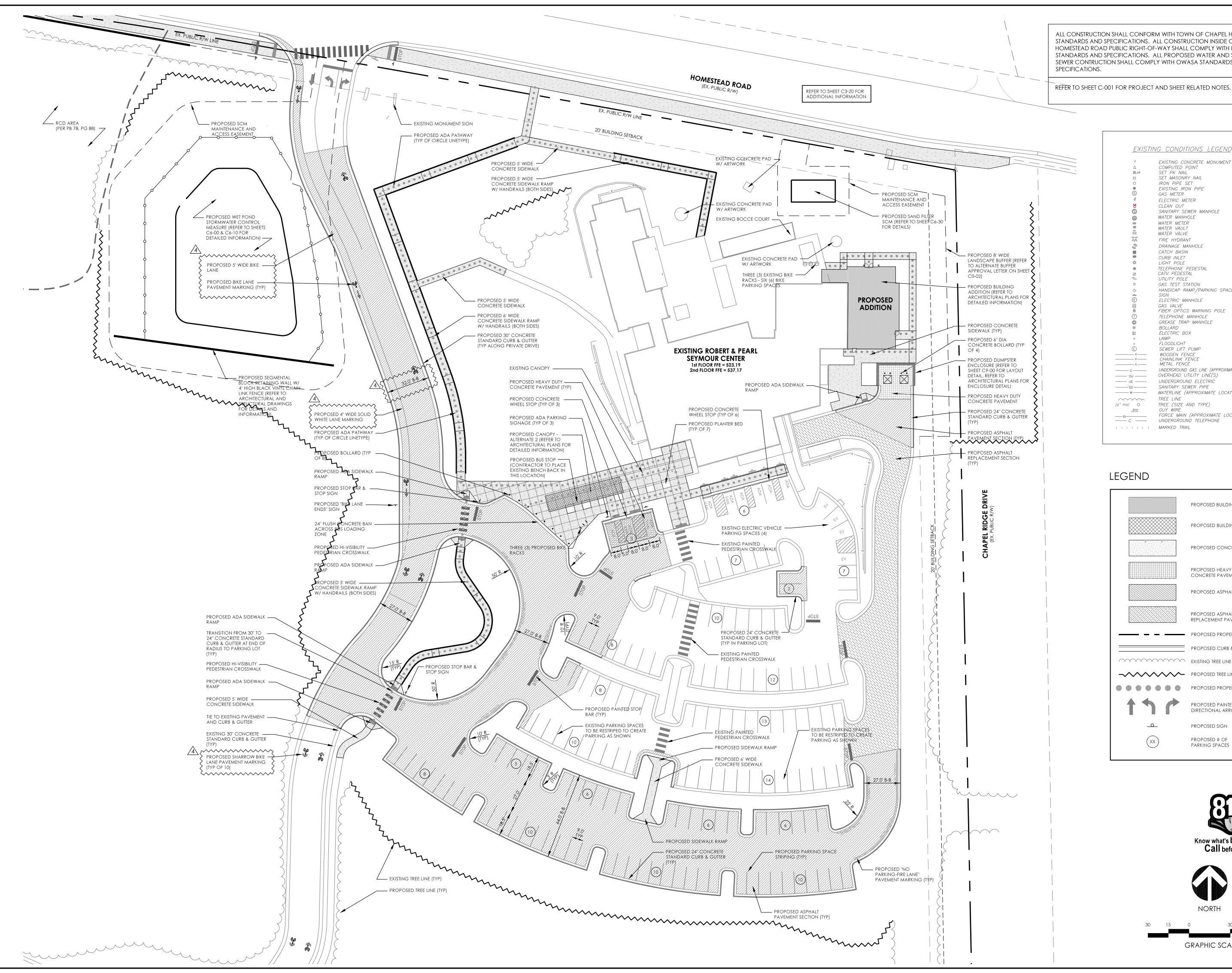
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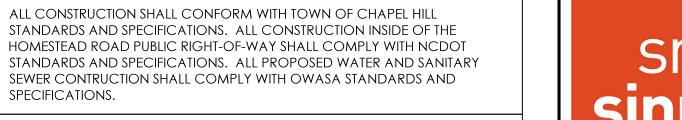
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HANDICAP RAMP/PARKING SPACE

UNDERGROUND GAS LINE (APPROXIMATE LOCATION)

FORCE MAIN (APPROXIMATE LOCATION)

PROPOSED BUILDING

PROPOSED CONCRETE

PROPOSED HEAVY DUTY CONCRETE PAVEMENT

PROPOSED ASPHALT

PROPOSED CURB & GUTTER

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PROPOSED SIGN

PROPOSED # OF

PARKING SPACES

Know what's **below**.

GRAPHIC SCALE

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DIRECTIONAL ARROWS

PROPOSED PROPERTY LINE

EXISTING TREE LINE

PROPOSED TREE LINE

(xx)

PROPOSED PROPERTY LINE

REPLACEMENT PAVEMENT

PROPOSED ASPHALT PAVEMENT

PROPOSED BUILDING CANOPY

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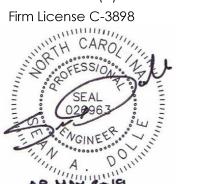
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4600 Lake Boone Trail Suite 205 Raleigh, NC 27607

T 919 781 8582

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4909 Liles Road Raleigh, NC 27606 919.438.3694 (0)



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KEY PLAN

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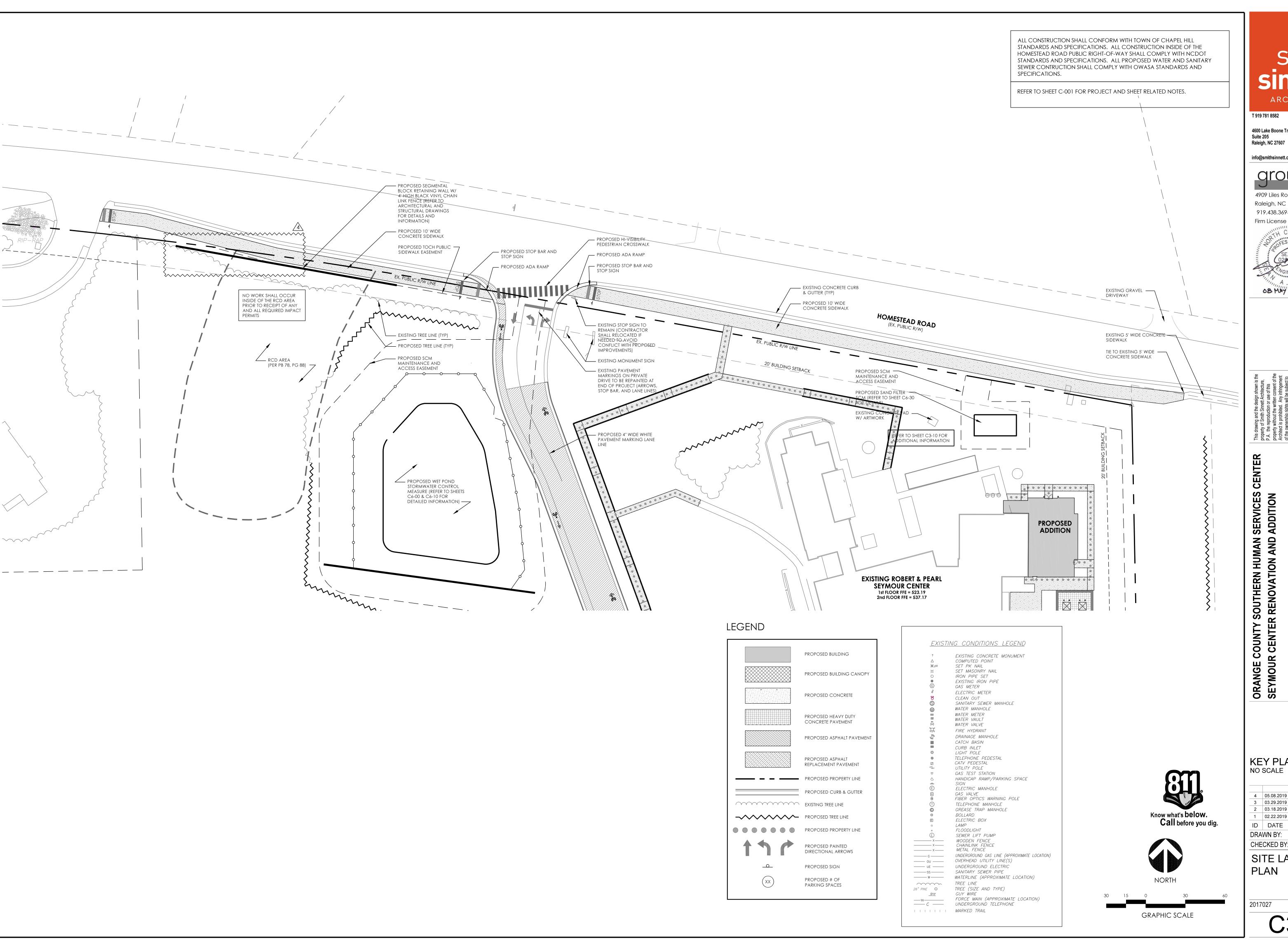
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SITE LAYOUT PLAN





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08 MAY 2019

SERVICES (ADDITION

ORANGE COUNTY SOUTHERN HUMAN SEYMOUR CENTER RENOVATION AND

KEY PLAN

4 05.08.2019 REV. PER AHJ REVIEW 3 03.29.2019 REV. PER AHJ REVIEW 2 03.18.2019 ISSUED FOR BID 1 02.22.2019 REV. PER AHJ REVIEW

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SITE LAYOUT PLAN

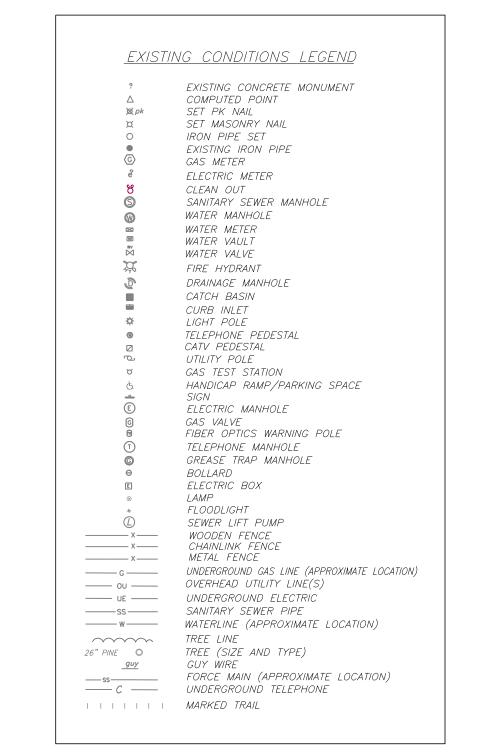
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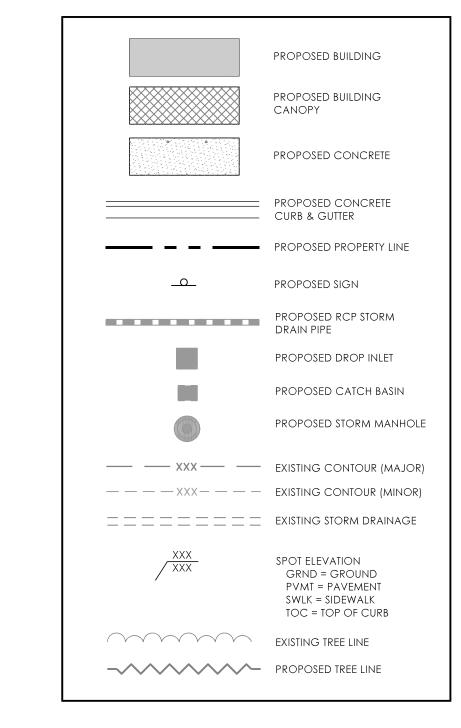


ALL CONSTRUCTION SHALL CONFORM WITH TOWN OF CHAPEL HILL STANDARDS AND SPECIFICATIONS. ALL CONSTRUCTION INSIDE OF THE HOMESTEAD ROAD PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH NCDOT STANDARDS AND SPECIFICATIONS. ALL PROPOSED WATER AND SANITARY SEWER CONTRUCTION SHALL COMPLY WITH OWASA STANDARDS AND SPECIFICATIONS.

REFER TO SHEET C-001 FOR PROJECT AND SHEET RELATED NOTES.

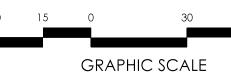


LEGEND









KEY PLAN NO SCALE

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ARCHITECTURE

T 919 781 8582

Suite 205 Raleigh, NC 27607

4600 Lake Boone Trail

info@smithsinnett.com

4909 Liles Road

Raleigh, NC 27606

919.438.3694 (0)

Firm License C-3898

08 MAY 2019

SERVICES

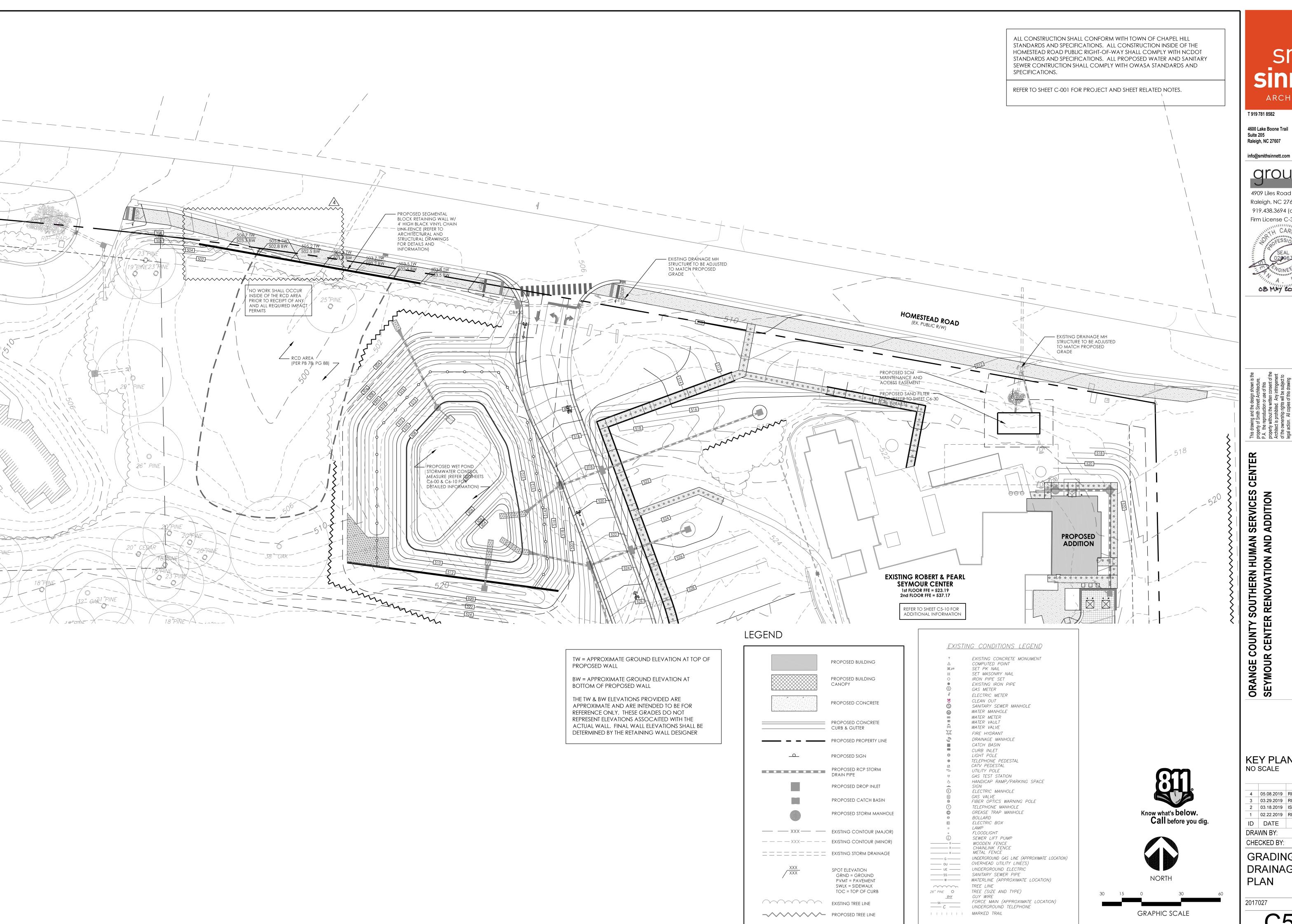
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ORANGE COUNTY SO SEYMOUR CENTER F

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GRADING & DRAINAGE

PLAN



ARCHITECTURE

T 919 781 8582

4600 Lake Boone Trail Suite 205 Raleigh, NC 27607

4909 Liles Road Raleigh, NC 27606 919.438.3694 (0)



08 MAY 2019

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DRAINAGE

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Storm Drain Pipe Schedule								
Inlet Up #	Inlet Down #	Rim Up	Invert Up	Invert Down	Pipe Length (ft)	Pipe Diameter (in)	Pipe Material	Pipe Slope (%)
DI#35	CB#34	514.8	510.8	509.8	127	15	RCP	0.8%
CB#34	CB#33	518.7	509.6	509.4	33	15	RCP	0.6%
CB#33	FES#32	518.7	509.2	509.0	33	15	RCP	0.6%
SMH#31	EXCB#30	516.4	512.5	EX	EX	EX	EX	EX
DI#29	SMH#28	521.9	518.4	516.8	78	18	RCP	2.1%
SMH#28	SMH#27	522.2	516.6	515.8	41	18	RCP	2.0%
SMH#27	EXSMH#26	523.0	515.6	515.5	EX	18	RCP	EX
EXCB#25	CB#24	547.3	543.4	537.0	64	15	RCP	10.0%
CB#24	CB#15	542.3	536.8	529.0	88	18	RCP	8.9%
CB#23	CB#22	544.5	540.5	540.3	7	15	RCP	2.9%
CB#22	CB#21	544.5	540.1	539.0	136	15	RCP	0.8%
CB#21	CB#20	545.0	538.8	538.3	55	15	RCP	0.9%
CB#20	CB#18	543.5	538.1	535.3	77	15	RCP	3.6%
EX PIPE#19	CB#18		535.3	535.1	16	15	RCP	1.2%
CB#18	CB#17	540.2	534.9	534.0	46	18	RCP	2.0%
CB#17	CB#16	538.0	533.8	532.2	72	18	RCP	2.2%
CB#16	CB#15	536.0	532.0	530.2	36	18	RCP	5.0%
CB#15	CB#09	534.5	528.5	522.5	63	18	RCP	9.5%
EXDI#13	CB#12	537.5	527.1	526.4	39	15	RCP	1.8%
CB#12	CB#11	535.9	526.2	524.6	92	15	RCP	1.7%
EX PIPE#11A	CB#11	MONTH.	UNKNOWN	528.0	118	12	PVC	n/a
CB#11	CB#10	533.8	524.4	521.5	57	18	RCP	5.1%
CB#10	CB#09	529.6	521.0	520.3	33	24	RCP	2.1%
CB#09	CB#06	529.6	520.1	514.2	78	24	RCP	7.6%
DI#08	CB#07	523.6	519.6	516.0	46	15	RCP	7.8%
CB#07	CB#06	523.5	516.0	515.2	33	15	RCP	2.4%
CB#06	FES#05	523.5	513.6	509.0	47	24	RCP	9.8%
DI#04	FES#03	517.2	510.2	509.0	25	15	RCP	4.8%
RISER STR#02	FES#01	511.0	513.8	513.5	66	15	RCP	0.5%

REFER TO THE RIP-RAP DISSIPATOR PAD SCHEDULE PROVIDED ON SHEET C9-21 FOR ADDITIONAL INFORMATION REGARDING REQUIRED MINIMUM SIZES AND MATERIALS ASSOCIATED WITH THE DISSIPATOR PADS.





T 919 781 8582

4600 Lake Boone Trail Suite 205 Raleigh, NC 27607

info@smithsinnett.com

4909 Liles Road

Raleigh, NC 27606 919.438.3694 (0)



ORANGE COUNTY SOUTHERN HUMAN SERVICES SEYMOUR CENTER RENOVATION AND ADDITION

KEY PLAN NO SCALE

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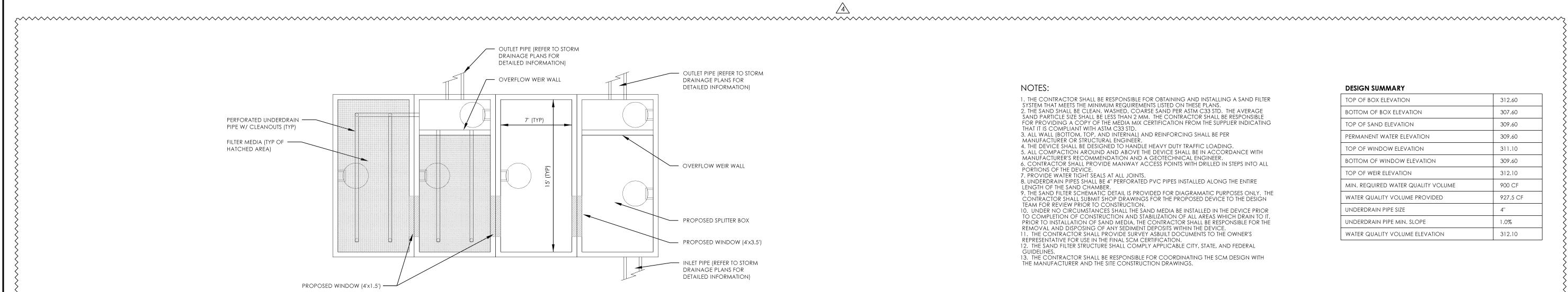
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DRAINAGE **TABLE**

SAD

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REFER TO SHEET C-001 FOR PROJECT AND SHEET RELATED NOTES.



7" WASHED #57 STONE (MIN. 3"

ABOVE TOP OF UNDERDRAIN PIPE)

PORTIONS OF THE DEVICE.

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INSTALLING A SAND FILTER SYSTEM THAT MEETS THE MINIMUM REQUIREMENTS LISTED ON THESE PLANS.

 2. THE SAND SHALL BE CLEAN, WASHED, COARSE SAND PER ASTM C33 STD. THE AVERAGE SAND PARTICLE SIZE SHALL BE LESS THAN 2 MM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COPY OF THE MEDIA MIX CERTIFICATION FROM THE SUPPLIER INDICATING THAT IT IS COMPLIANT WITH ASTM C33 STD
- A ALL WALL (BOTTOM, TOP, AND INTERNAL) AND REINFORCING SHALL BE PER MANUFACTURER OR STRUCTURAL ENGINEER.

 4. THE DEVICE SHALL BE DESIGNED TO HANDLE HEAVY DUTY TRAFFIC LOADING.

 5. ALL COMPACTION AROUND AND ABOVE THE DEVICE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND A GEOTECHNICAL ENGINEER. 6. CONTRACTOR SHALL PROVIDE MANWAY ACCESS POINTS WITH DRILLED IN STEPS INTO ALL
- 7. PROVIDE WATER TIGHT SEALS AT ALL JOINTS. 7. PROVIDE WATER TIGHT SEALS AT ALL JOINTS.
 8. UNDERDRAIN PIPES SHALL BE 4" PERFORATED PVC PIPES INSTALLED ALONG THE ENTIRE LENGTH OF THE SAND CHAMBER.
 9. THE SAND FILTER SCHEMATIC DETAIL IS PROVIDED FOR DIAGRAMATIC PURPOSES ONLY. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE PROPOSED DEVICE TO THE DESIGN TEAM FOR REVIEW PRIOR TO CONSTRUCTION.
 10. UNDER NO CIRCUMSTANCES SHALL THE SAND MEDIA BE INSTALLED IN THE DEVICE PRIOR TO COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL AREAS WHICH DRAIN TO IT. PRIOR TO INSTALLATION OF SAND MEDIA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSING OF ANY SEDIMENT DEPOSITS WITHIN THE DEVICE.
- REMOVAL AND DISPOSING OF ANY SEDIMENT DEPOSITS WITHIN THE DEVICE 11. THE CONTRACTOR SHALL PROVIDE SURVEY ASBUILT DOCUMENTS TO THE OWNER'S REPRESENTATIVE FOR USE IN THE FINAL SCM CERTIFICATION.

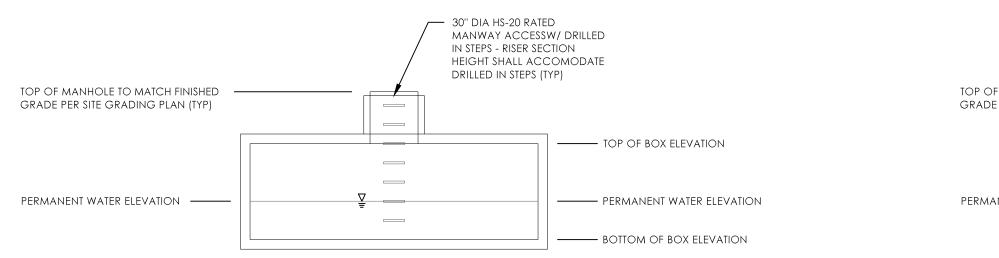
 12. THE SAND FILTER STRUCTURE SHALL COMPLY APPLICABLE CITY, STATE, AND FEDERAL GUIDELINES.

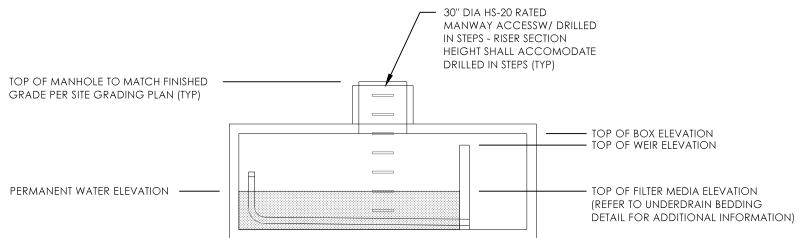
 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SCM DESIGN WITH THE MANUFACTURER AND THE SITE CONSTRUCTION DRAWINGS.

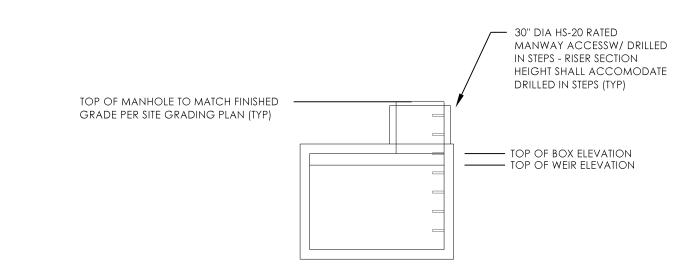
DESIGN SUMMARY

BOTTOM OF BOX ELEVATION TOP OF SAND ELEVATION	307.60
TOP OF SAND ELEVATION	309 60
	007.00
PERMANENT WATER ELEVATION	309.60
TOP OF WINDOW ELEVATION	311.10
BOTTOM OF WINDOW ELEVATION	309.60
TOP OF WEIR ELEVATION	312.10
MIN. REQUIRED WATER QUALITY VOLUME	900 CF
WATER QUALITY VOLUME PROVIDED	927.5 CF
UNDERDRAIN PIPE SIZE	4''
UNDERDRAIN PIPE MIN. SLOPE	1.0%
WATER QUALITY VOLUME ELEVATION	312.10

PLAN VIEW



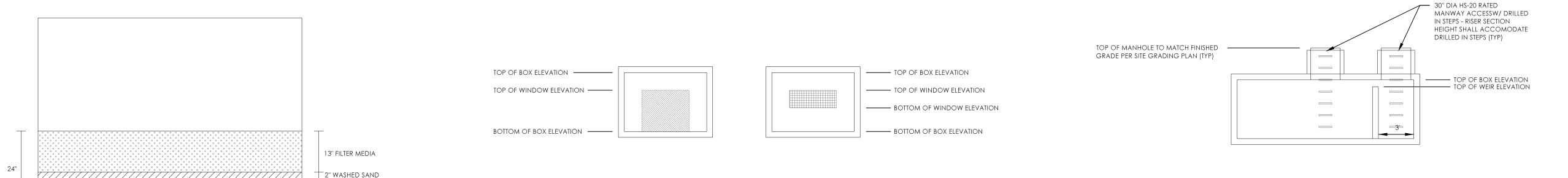




SAND FILTER SEDIMENT CHAMBER SECTION VIEW

SAND FILTER CHAMBER SECTION VIEW

SPLITTER BOX SECTION VIEW (END)



4' X 1.5' WINDOW

4' X 3.5' WINDOW

UNDERDRAIN BEDDING DETAIL

PERFORATED

UNDERDRAIN PIPE (TYP)

SPLITTER BOX SECTION VIEW (SIDE)

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STORMWATER **MANAGEMENT DETAILS**

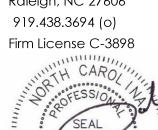
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T 919 781 8582

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info@smithsinnett.com

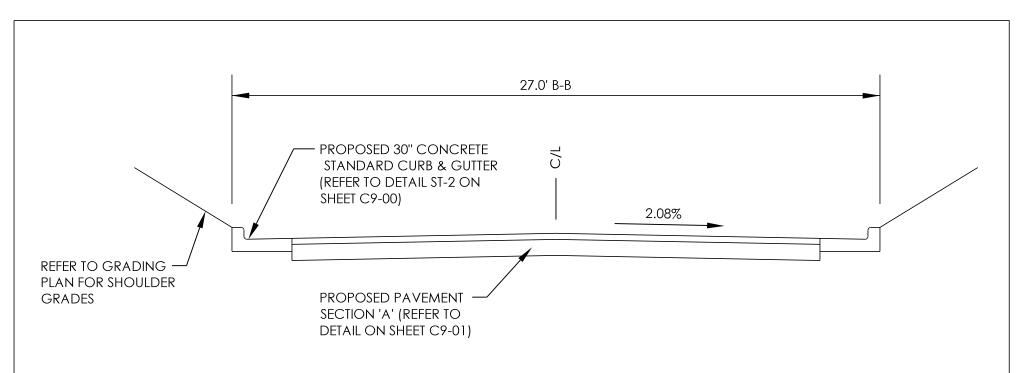
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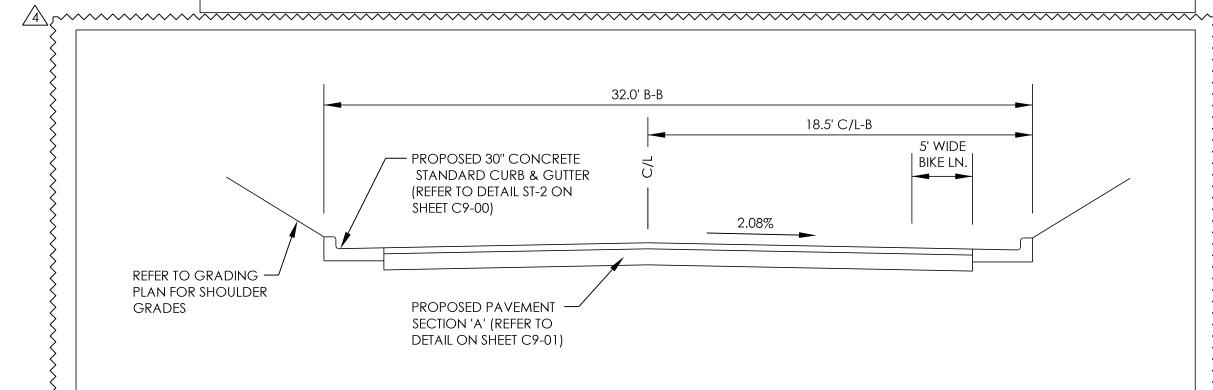
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ORANGE COUNTY SOUTHERN HUMAN SEYMOUR CENTER RENOVATION AND

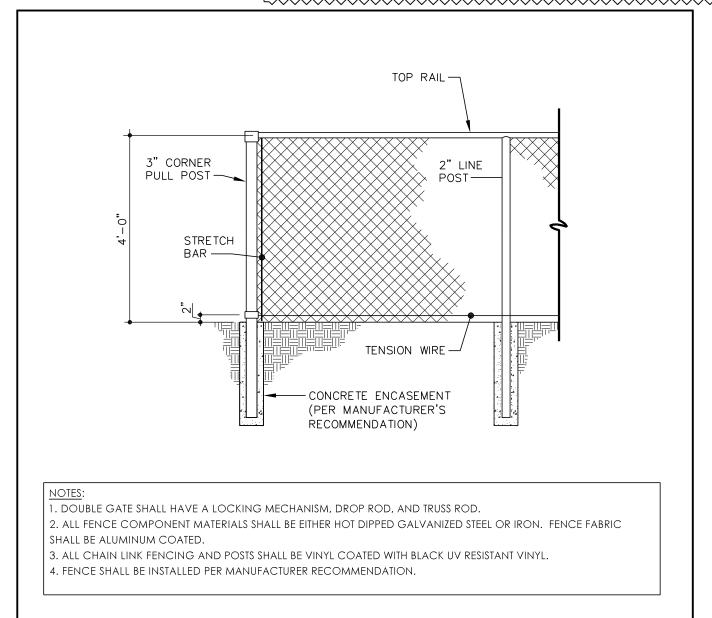
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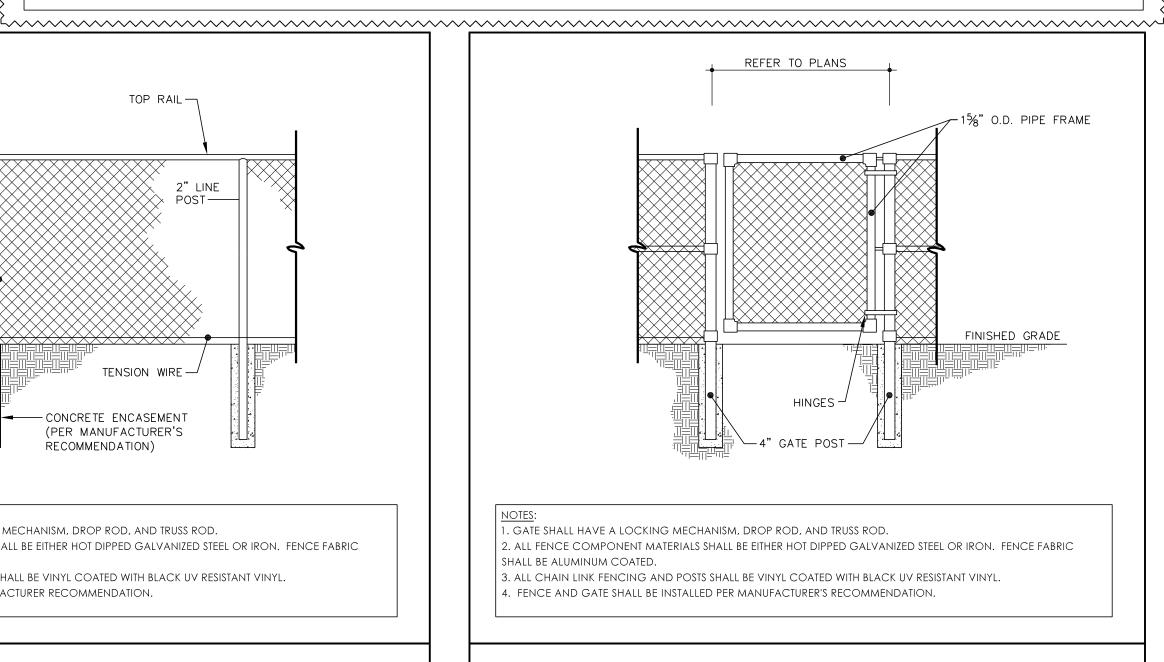
PRIVATE DRIVEWAY TYPICAL SECTION (w/o BIKE LANE)



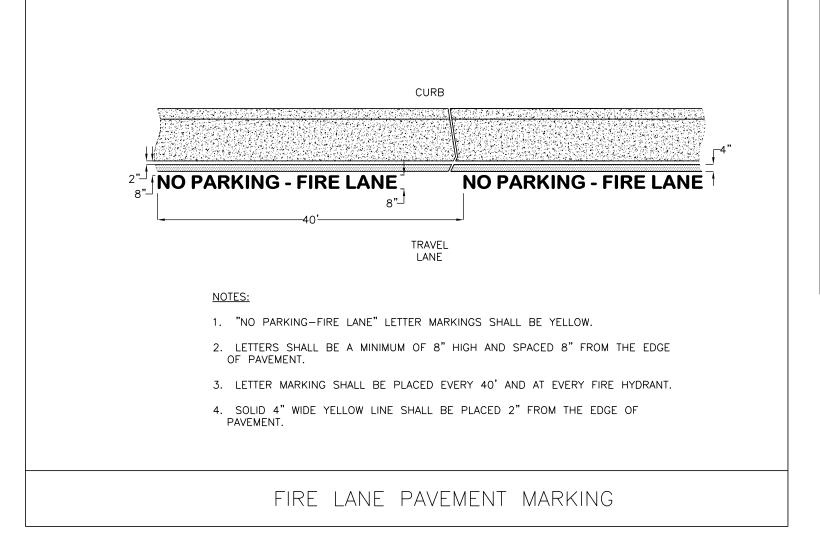
PRIVATE DRIVEWAY TYPICAL SECTION (w/ BIKE LANE)

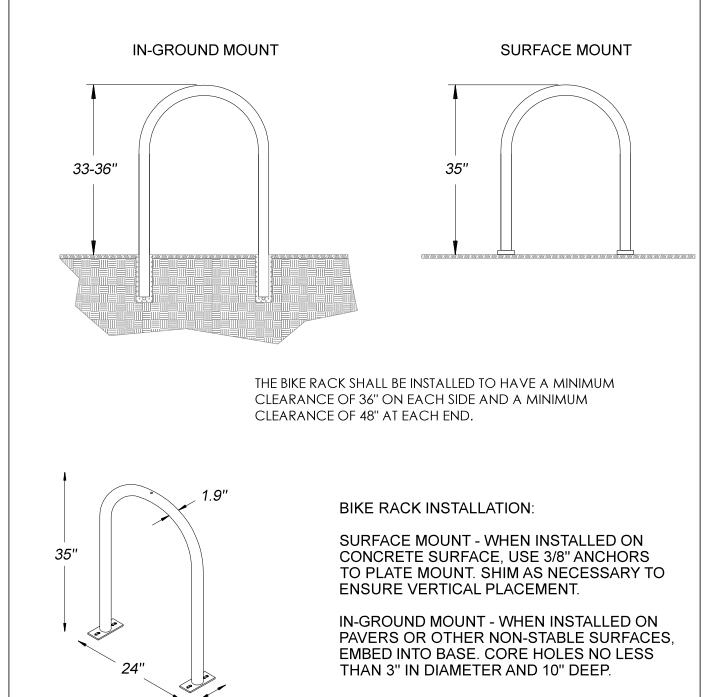


VINYL COATED CHAIN LINK FENCE

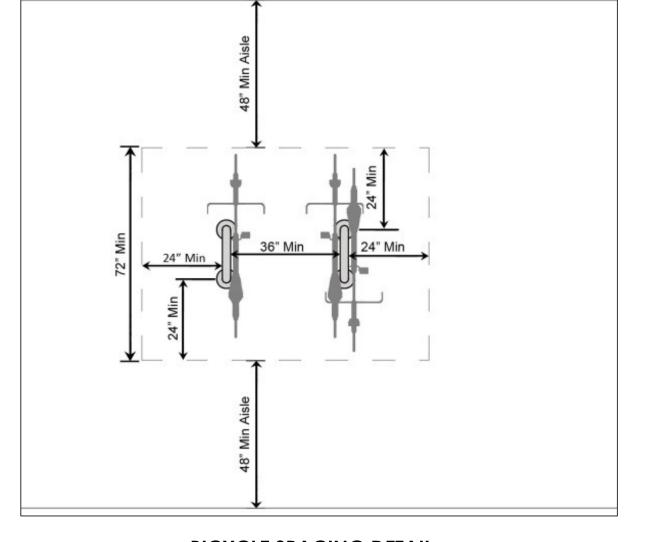


VINYL COATED CHAIN LINK FENCE GATE





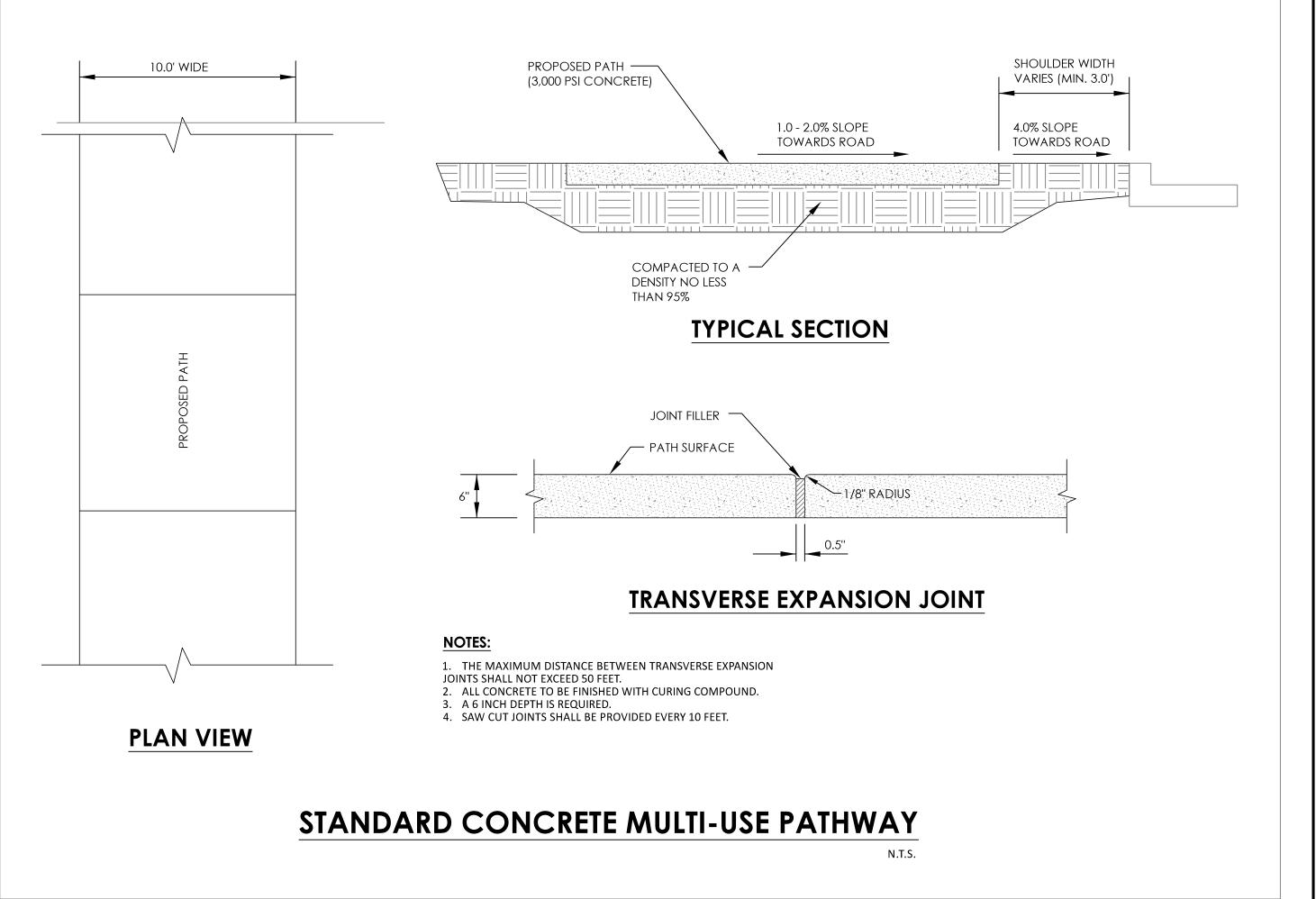
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T 919 781 8582

4600 Lake Boone Trail Raleigh, NC 27607

Raleigh, NC 27606 919.438.3694 (o) Firm License C-3898

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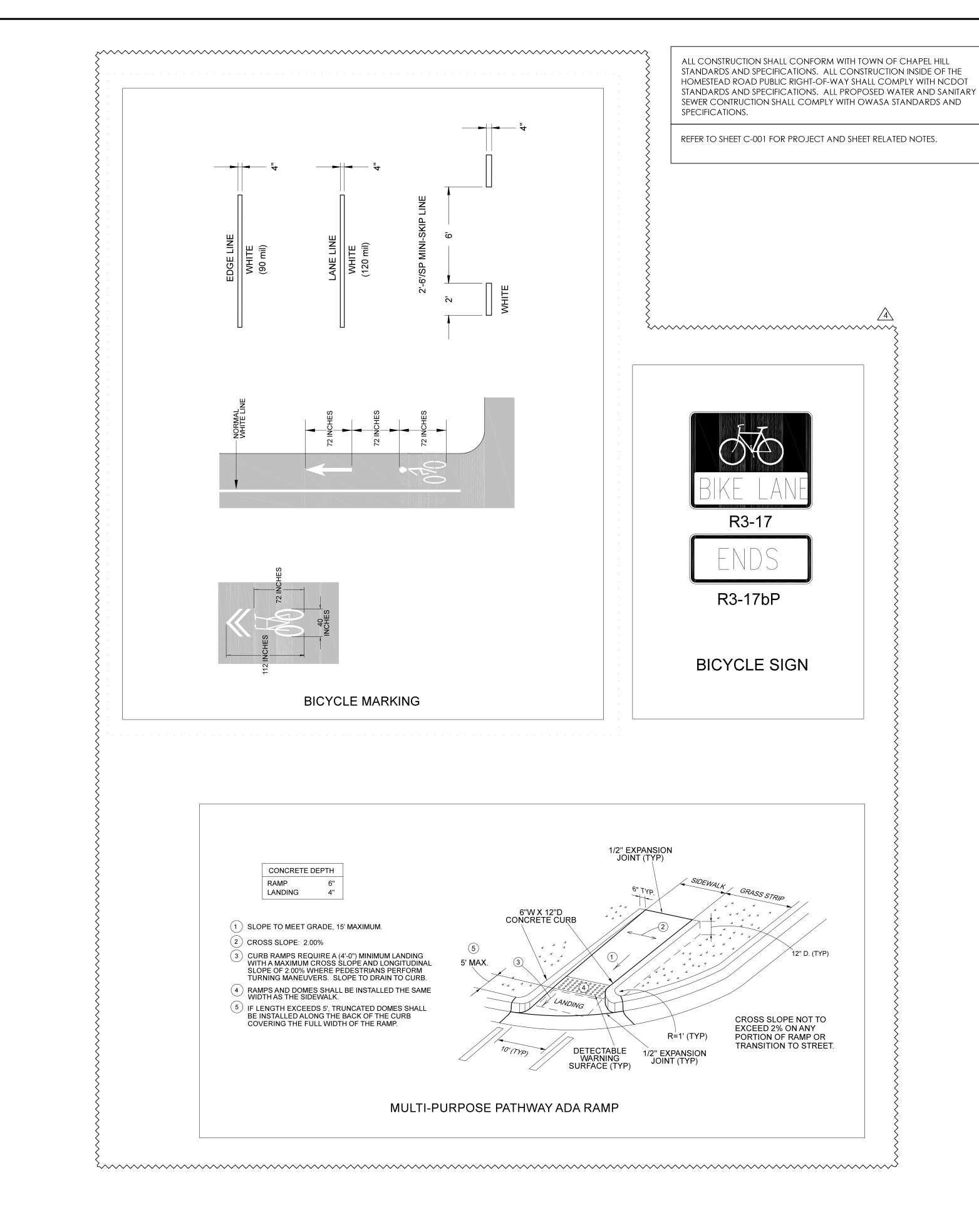
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SITE DETAILS



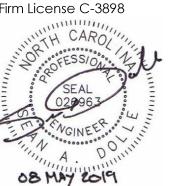


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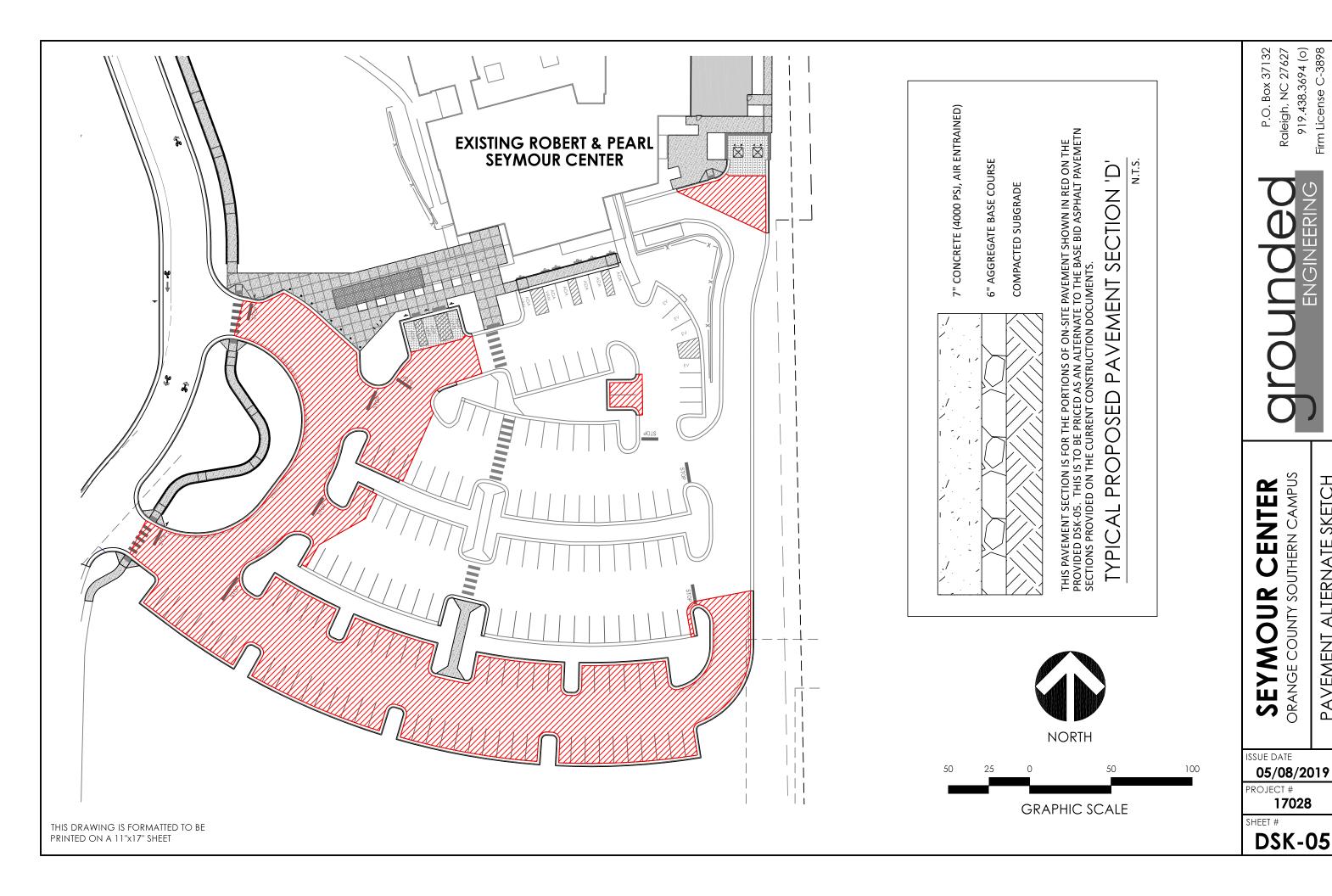
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PAVEMENT ALTERNATE SKETCH