

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

Please note, Project Addendums and Bidders List are available at www.smithsinnett.com 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. **Revision:** 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.

3. **Clarification:** 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. **Clarification:** 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. **Clarification:** 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. **Clarification:** Electrical Subcontractors should refer to sheet A9-03 for information regarding Audio Visual systems rough-in per Alternate 8.
3. **Revision:** 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. **Revision:** 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. **Clarification:** 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

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

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 Orange County 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 Orange County, and Smith Sinnett Architecture 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.

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 Duprin Exit Devices/ Corbin Locksets

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 (\$ _____)

MAJOR SUBCONTRACTORS if any (Name, City & State)

General Subcontractor:

_____ Lic _____

Plumbing Subcontractor:

_____ Lic _____

Mechanical Subcontractor:

_____ Lic _____

Electrical Subcontractor:

_____ 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 _____

No. 11 _____

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

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work and in the given Allowances all in accordance with the contract documents.

- Unit Price No. UP/A-1; Unsuitable soils removal and disposal off-site: per cy. Unit Price (\$)_____
- Unit Price No. UP/A-2; Unsuitable soils removal and disposal on-site: per cy. Unit Price (\$)_____
- Unit Price No. UP/A-3; Excavation, removal of unsuitable rock for footings, trench, pits for off-site disposal: per cy. 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 (\$)_____
- Unit Price No. UP/A-5; Replacement of authorized excavation of unsuitable soils or rock with imported suitable soils: per cy. Unit Price (\$)_____
- Unit Price No. UP/A-6; Replacement of authorized excavation of unsuitable soils or rock with imported Structural fill: per cy. Unit Price (\$)_____
- Unit Price No. UP/A-7; Replacement of authorized excavation of unsuitable soils or rock with aggregate base (ABC) stone: per cy. Unit Price (\$)_____
- Unit Price No. UP/A-8; Replacement of authorized excavation of unsuitable soils or rock with #57 washed stone: per cy. Unit Price (\$)_____
- Unit Price No. UP/A-9; Geotextile: per sy. Unit Price (\$)_____

The bidder further proposes and agrees hereby to commence work under this contract on a date to be specified in a written order of the designer and shall fully complete all work thereunder within the time specified in the Supplementary General Conditions Article 9. Applicable liquidated damages amount is also stated in the Supplementary General Conditions Article 9.

ADDENDUM

(Addendum received and used in computing bid)

Addendum No. 1 _____ Addendum No. 3 _____ Addendum No. 5 _____

Addendum No. 2 _____ Addendum No. 4 _____ Addendum No. 6 _____

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.

Respectfully submitted this day of _____

(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:

By: _____

License No. _____

Title: _____
(Corp. Sec. or Asst. Sec. only)

Federal I.D. No. _____

(CORPORATE SEAL)

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (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. **Also** 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 own workforce 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.

After the bid opening - 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 equal to or more than the 10% goal 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 ***

If less than the 10% goal, 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 **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers 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

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 is 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.

- B. 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

- A. Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. 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

- A. 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

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

3.3 SCHEDULE OF ALLOWANCES

- A. **Allowance No. UP/A-1: Unsuitable soils removal and disposal off-site.**
 - 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.
 - 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
 - 6. **Allowance Quantity: 3500 cy**

- B. **Allowance No. UP/A-2: Unsuitable soils removal and disposal on-site.**
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. **Allowance No. UP/A-3: 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.
 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
 6. **Allowance Quantity: 1000 cy.**
- D. **Allowance No. UP/A-4: Excavation, removal of bulk rock in open cut (> 10' x 30') 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.
 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
 6. **Allowance Quantity: 500 cy.**
- E. **Allowance No. UP/A-5: Replacement of authorized excavation of unsuitable soils or rock with imported suitable soils.**
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: 1000 cy.**
- F. **Allowance No. UP/A-6: 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.
 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
 6. **Allowance Quantity: 3000 cy.**
- G. **Allowance No. UP/A-7: 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.
 5. Method of measurement: Quantities will be verified by a soils and materials engineer employed by the Owner.
 6. **Allowance Quantity: 500 cy.**
- H. **Allowance No. UP/A-8: 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. **Alternate No. 1; Recessed Mounted Retractable Stage:** 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.

- B. **Alternate No. 2; Extension of Existing Entrance Canopy:** 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. **Alternate No. 3; Replacement of Existing Great Hall Flooring:** 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. **Alternate No. 4; Motorized Operable Partition:** 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. **Alternate No. 5; Additional Storage:** 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. **Alternate No. 6; Laticrete Adhered Stone Veneer system (preferred):** 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. **Alternate No. 7; Owner Preferred Manufacturer(s) – Door Hardware:** 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. **Alternate No. 8; Audio Visual Electrical Rough-in:** 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. **Alternate No. E-1; Owner Preferred Manufacturer(s) – Fire Alarm Manufacturer:** 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. **Alternate No. 9 Concrete Pavement at Parking Lot:** 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.

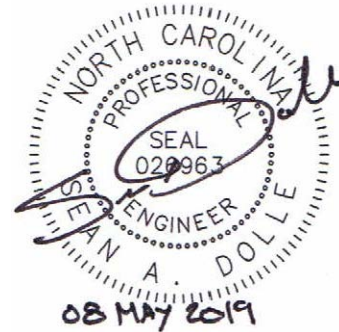
END OF SECTION 01 23 00

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)



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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



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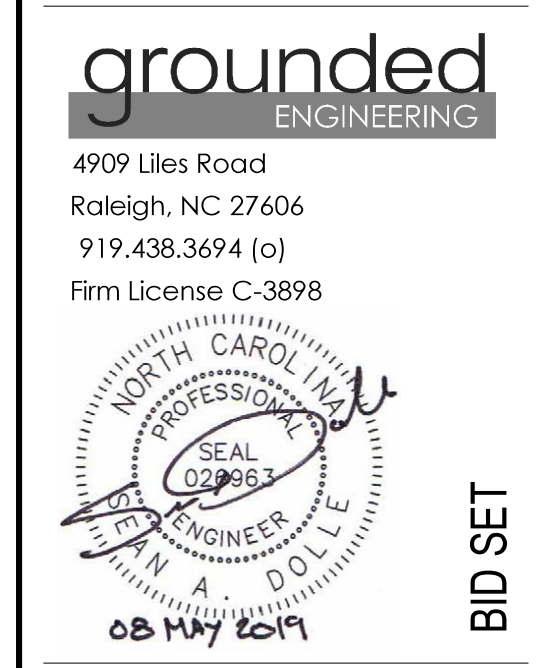


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REFER TO SHEET C-001 FOR PROJECT AND SHEET RELATED NOTES.



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EXISTING CONDITIONS LEGEND

+	EXISTING CONCRETE MONUMENT
△	COMPUTED POINT
□	SET FW NAIL
■	SET MASONRY NAIL
○	IRON PIPE SET
○	EXISTING IRON PIPE
○	GAS METER
○	ELECTRIC METER
○	CLEAN OUT
○	SANITARY SEWER MANHOLE
○	WATER MANHOLE
○	WATER METER
○	WATER VALVE
○	FIRE HYDRANT
○	DRAINAGE MANHOLE
○	CATCH BASIN
○	IMPROVEMENTS TO BE DEMOLISHED (TYP OF HATCHED AREAS)
○	UTILITY POLE
○	LIGHT POLE
○	TELEPHONE PEDESTAL
○	CATV PEDESTAL
○	UTILITY POLE
○	GAS TEST STATION
○	HANDICAP RAMP/PARKING SPACE SIGN
○	ELECTRIC MANHOLE
○	GAS VALVE
○	FIBER OPTICS WARNING POLE
○	TELEPHONE MANHOLE
○	GREASE TRAP MANHOLE
○	BOLLARD
○	ELECTRIC BOX
○	LAMP
○	FLOODLIGHT
○	SEWER LIFT PUMP
○	WOODEN FENCE
○	CHAINLINK FENCE
○	METAL FENCE
○	UNDERGROUND GAS LINE (APPROXIMATE LOCATION)
○	OVERHEAD UTILITY LINE(S)
○	UNDERGROUND ELECTRIC
○	SANITARY SEWER PIPE
○	WATERLINE (APPROXIMATE LOCATION)
○	TREE LINE
○	TREE (SIZE AND TYPE)
○	GLY WIRE
○	FORCE MAIN (APPROXIMATE LOCATION)
○	UNDERGROUND TELEPHONE
○	MARKED TRAIL

DEMO LEGEND

---XXX---	EXISTING CONTOUR (MAJOR)
-XXX-	EXISTING CONTOUR (MINOR)
---	EXISTING STORM DRAINAGE
---	EXISTING STORM DRAINAGE TO BE REMOVED
[Hatched Area]	EXISTING IMPROVEMENTS TO BE REMOVED
[Hatched Area]	EXISTING WOODS TO BE REMOVED
[Hatched Area]	EXISTING PAVEMENT TO BE MILLED AND REPLACED
X	EXISTING TREE TO BE REMOVED

ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER SEYMOUR CENTER RENOVATION AND ADDITION

2551 Homestead Rd., Chapel Hill, NC. 27516

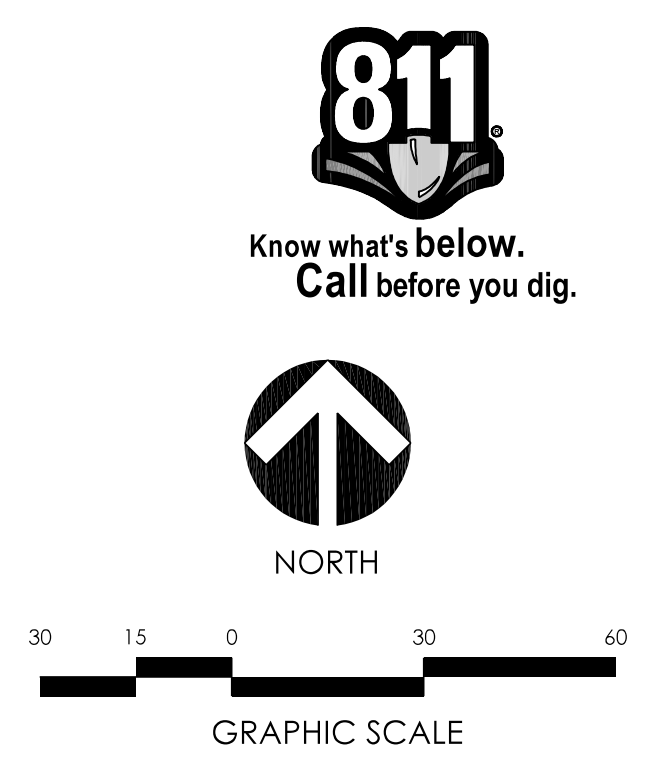
KEY PLAN
NO SCALE

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SITE DEMOLITION PLAN

2017027 21 DEC 2018

C2-10

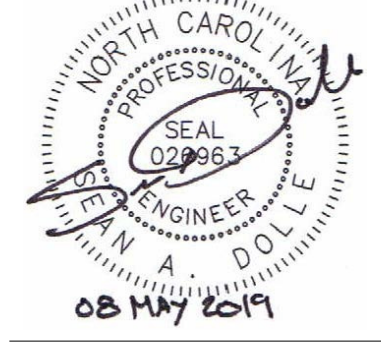


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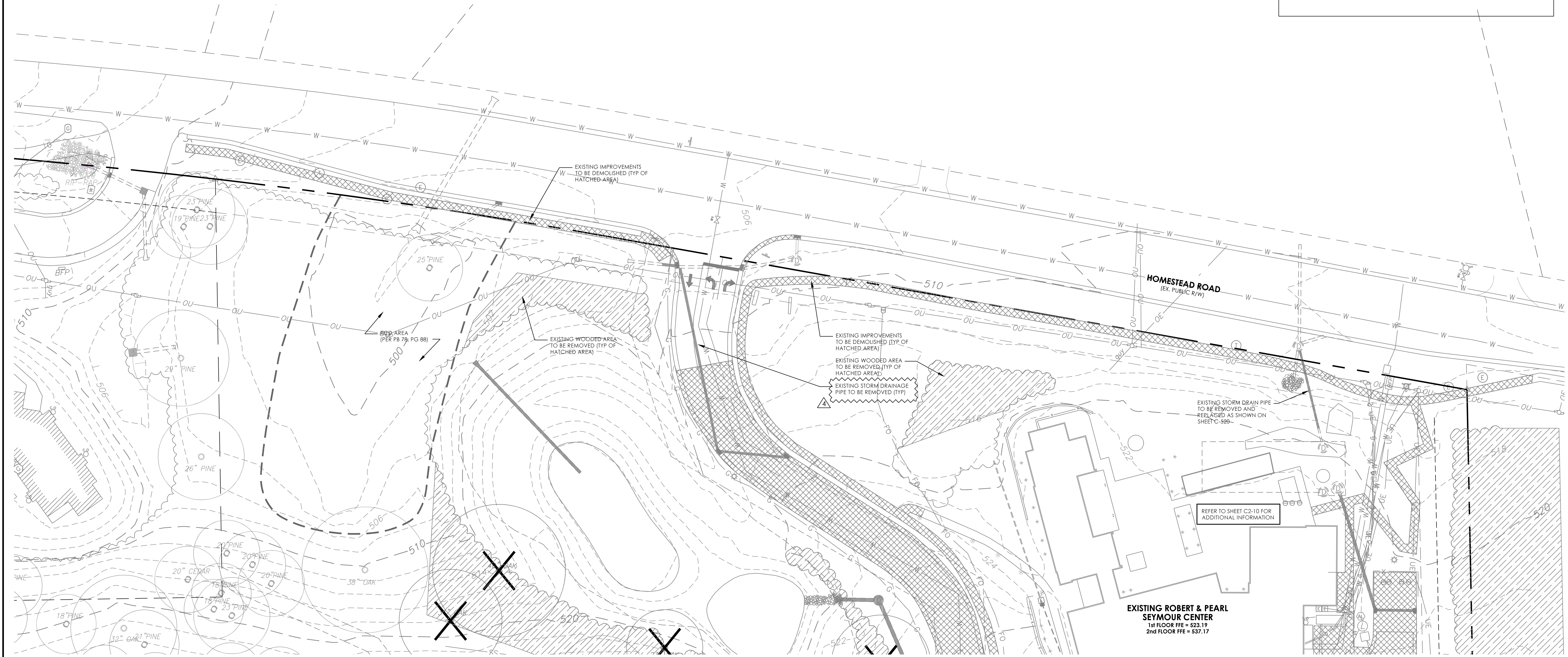
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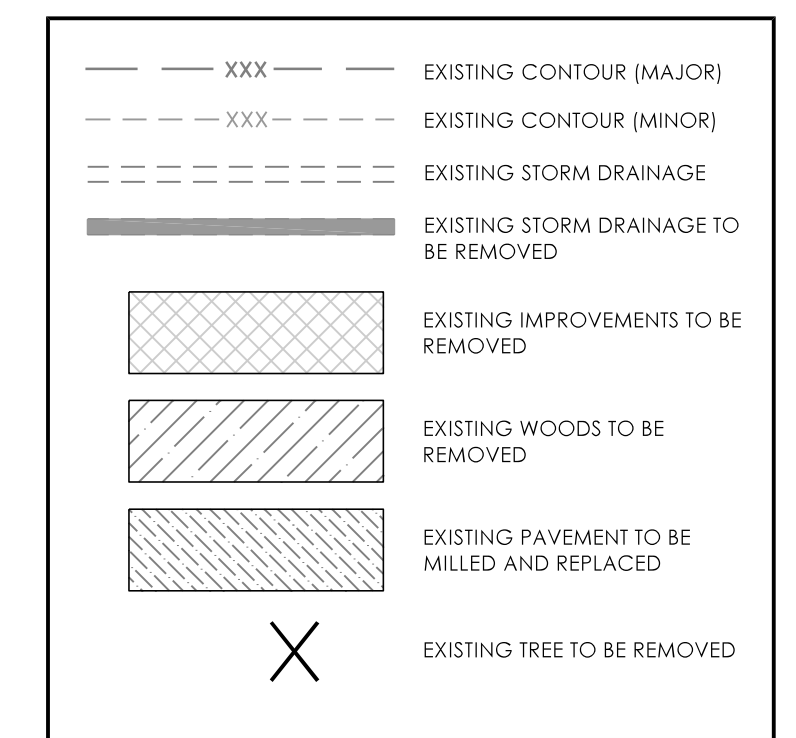


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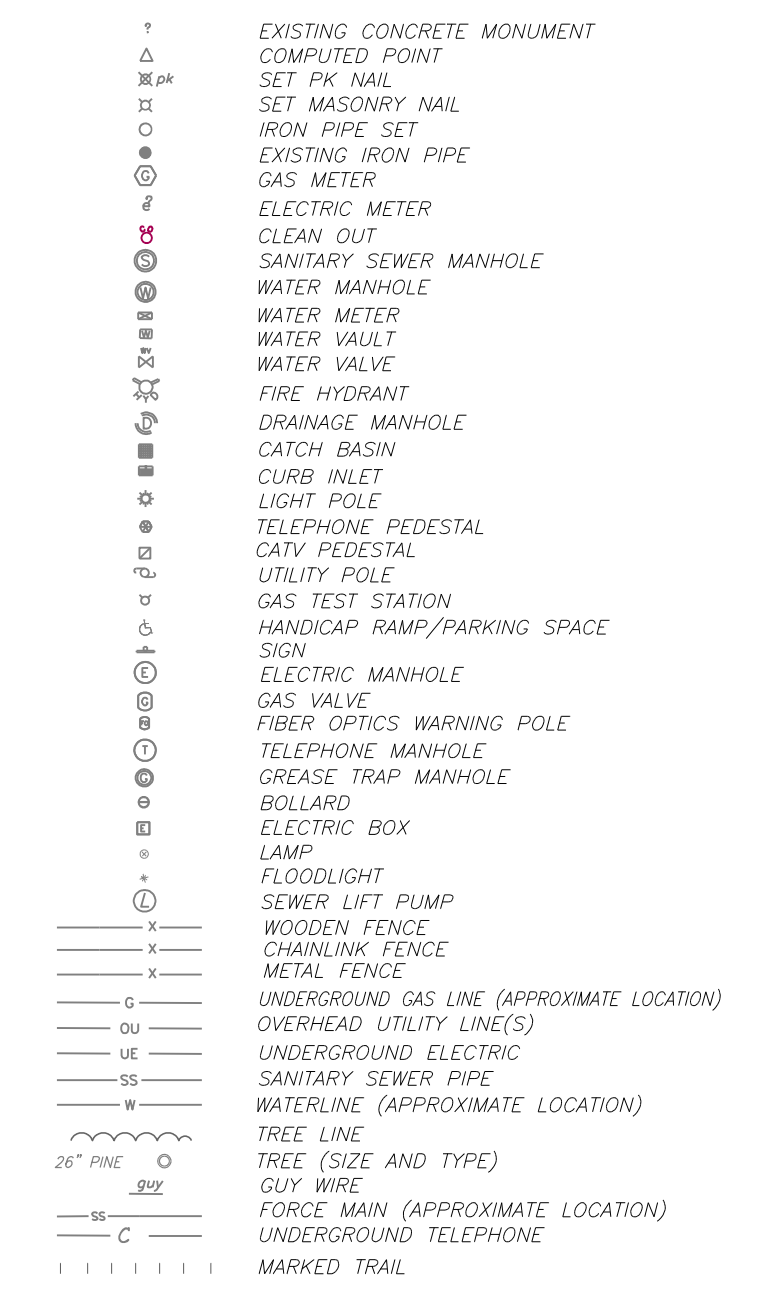
**ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER
SEYMOUR CENTER RENOVATION AND ADDITION**

2551 Homestead Rd., Chapel Hill, NC. 27516

DEMO LEGEND



EXISTING CONDITIONS LEGEND



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**SITE
DEMOLITION
PLAN**

2017027 21 DEC 2018

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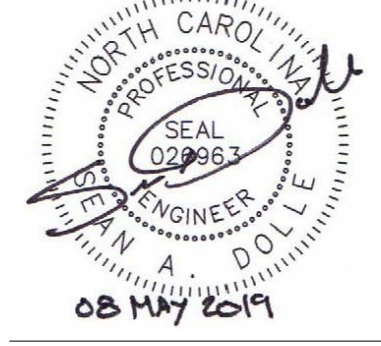
REFER TO SHEET C3-20 FOR ADDITIONAL INFORMATION

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SEYMOUR CENTER RENOVATION AND ADDITION**

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**KEY PLAN
NO SCALE**

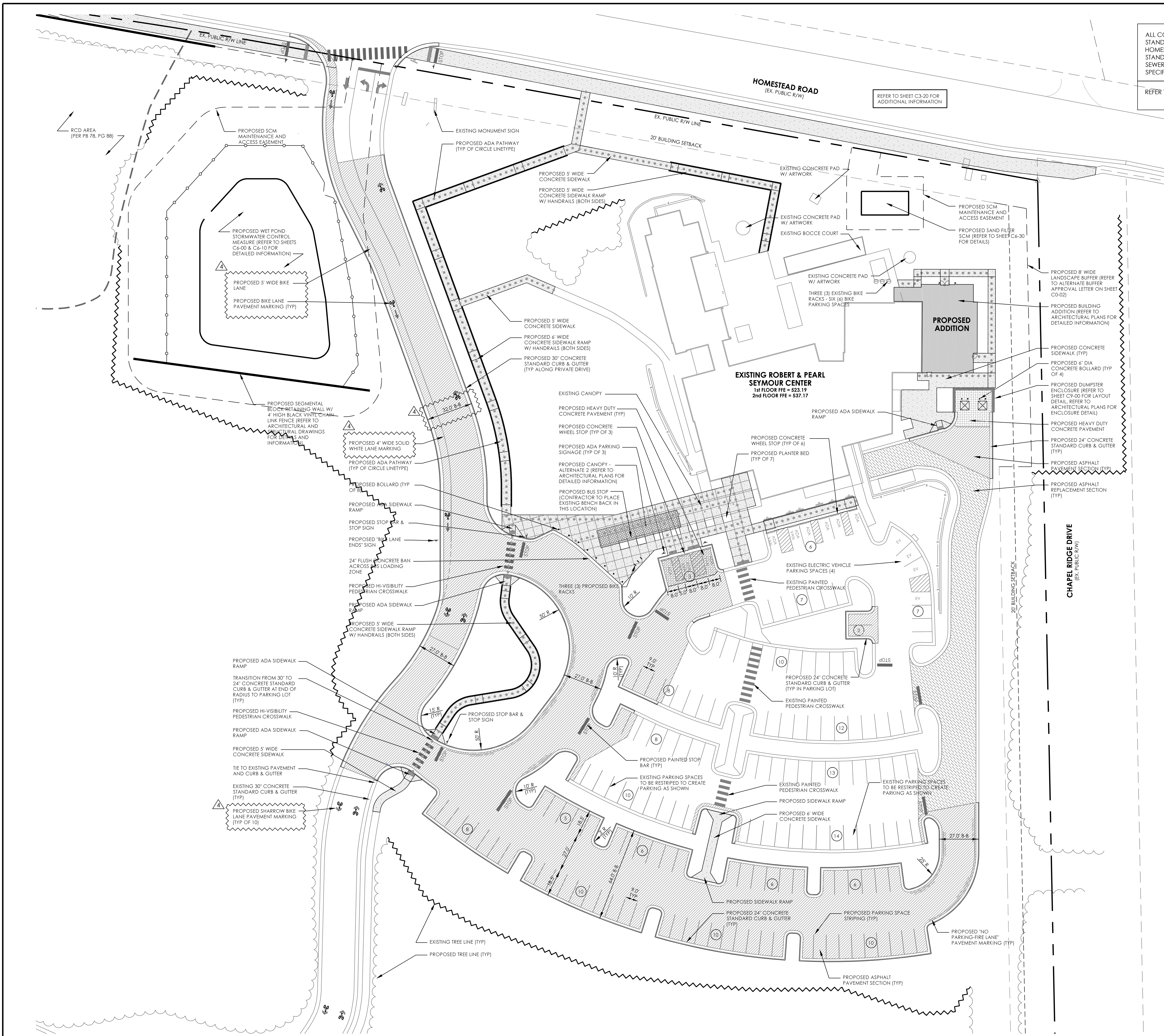
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**SITE LAYOUT
PLAN**

2017027 21 DEC 2018

C3-10



EXISTING CONDITIONS LEGEND

- ▲ EXISTING CONCRETE MONUMENT
- △ COMPUTED POINT
- SET MASONRY NAIL
- IRON PIPE SET
- EXISTING IRON PIPE
- GAS METER
- ELECTRIC METER
- CLEAN OUT
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- WATER METER
- WATER VAULT
- WATER VALVE
- FIRE HYDRANT
- DRAINAGE MANHOLE
- CATCH BASIN
- CURB INLET
- LIGHT POLE
- TELEPHONE PEDESTAL
- CATV PEDESTAL
- UTILITY POLE
- GAS TEST STATION
- HANDICAP RAMP/PARKING SPACE SIGN
- ELECTRIC MANHOLE
- GAS VALVE
- FIBER OPTICS WARNING POLE
- TELEPHONE MANHOLE
- GREASE TRAP MANHOLE
- BOLLARD
- ELECTRIC BOX
- LAMP
- FLOODLIGHT
- SEWER LIFT PUMP
- WOODEN FENCE
- CHAINLINK FENCE
- METAL FENCE
- UNDERGROUND GAS LINE (APPROXIMATE LOCATION)
- UNDERGROUND UTILITY LINE(S)
- UNDERGROUND ELECTRIC
- SANITARY SEWER PIPE
- WATERLINE (APPROXIMATE LOCATION)
- TREE LINE
- TREE (SIZE AND TYPE)
- GUY WIRE
- FORCE MAIN (APPROXIMATE LOCATION)
- UNDERGROUND TELEPHONE
- MARKED TRAIL

LEGEND

- [Hatched Box] PROPOSED BUILDING
- [Dotted Box] PROPOSED BUILDING CANOPY
- [Horizontal Lines Box] PROPOSED CONCRETE
- [Vertical Lines Box] PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- [Diagonal Lines Box] PROPOSED ASPHALT PAVEMENT
- [Cross-hatched Box] PROPOSED ASPHALT REPLACEMENT PAVEMENT
- [Dashed Line] PROPOSED PROPERTY LINE
- [Double Line] PROPOSED CURB & GUTTER
- [Wavy Line] EXISTING TREE LINE
- [Zigzag Line] PROPOSED TREE LINE
- [Dotted Line] PROPOSED PROPERTY LINE
- [Arrows] PROPOSED PAINTED DIRECTIONAL ARROWS
- [Square with X] PROPOSED SIGN
- [Circle with X] PROPOSED # OF PARKING SPACES

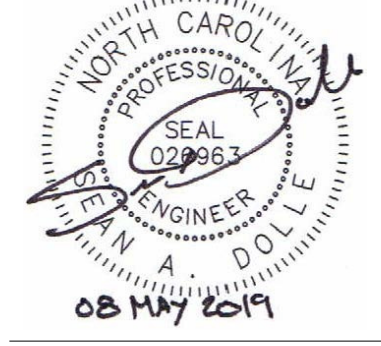


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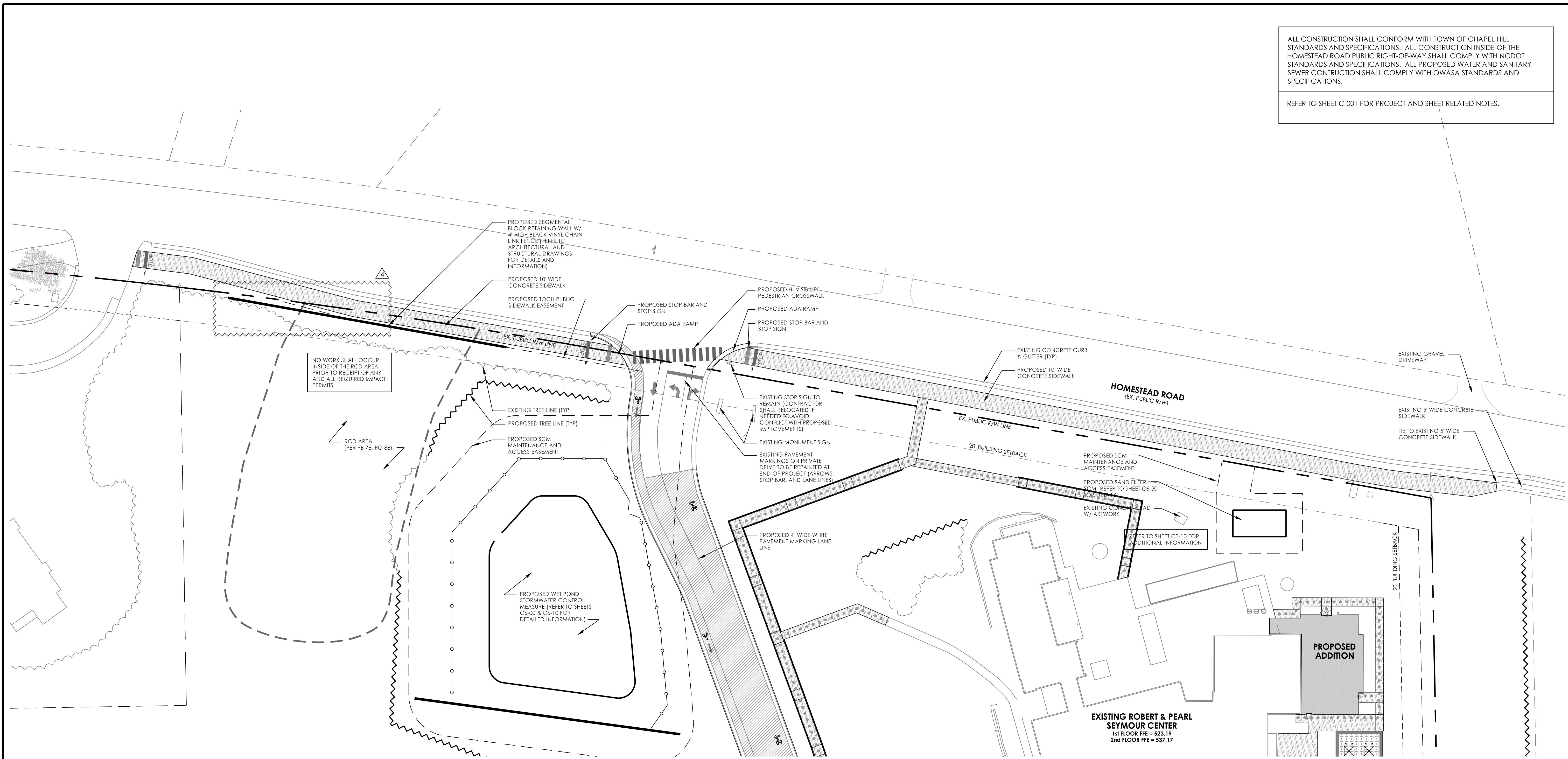
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NO WORK SHALL OCCUR INSIDE OF THE RCD AREA PRIOR TO RECEIPT OF ANY AND ALL REQUIRED IMPACT PERMITS

HOMESTEAD ROAD
(EX. PUBLIC R/W)

EXISTING ROBERT & PEARL
SEYMOUR CENTER
1st FLOOR FFE = 523.19
2nd FLOOR FFE = 537.17

PROPOSED
ADDITION

LEGEND

	PROPOSED BUILDING
	PROPOSED BUILDING CANOPY
	PROPOSED CONCRETE
	PROPOSED HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED ASPHALT PAVEMENT
	PROPOSED ASPHALT REPLACEMENT PAVEMENT
	PROPOSED PROPERTY LINE
	PROPOSED CURB & GUTTER
	EXISTING TREE LINE
	PROPOSED TREE LINE
	PROPOSED PROPERTY LINE
	PROPOSED PAINTED DIRECTIONAL ARROWS
	PROPOSED SIGN
	PROPOSED # OF PARKING SPACES

EXISTING CONDITIONS LEGEND

	EXISTING CONCRETE MONUMENT
	COMPUTED POINT
	SET PK NAIL
	SET MASONRY NAIL
	IRON PIPE SET
	EXISTING IRON PIPE
	GAS METER
	ELECTRIC METER
	CLEAN OUT
	SANITARY SEWER MANHOLE
	WATER MANHOLE
	WATER METER
	WATER VAULT
	WATER VALVE
	FIRE HYDRANT
	DRAINAGE MANHOLE
	CATCH BASIN
	CURB INLET
	LIGHT POLE
	TELEPHONE PEDESTAL
	CABLE PEDESTAL
	UTILITY POLE
	GAS TEST STATION
	HANDICAP RAMP/PARKING SPACE SIGN
	ELECTRIC MANHOLE
	GAS VALVE
	FIBER OPTICS WARNING POLE
	TELEPHONE MANHOLE
	GREASE TRAP MANHOLE
	BOLLARD
	ELECTRIC BOX
	LAMP
	FLOODLIGHT
	SEWER LIFT PUMP
	WOODEN FENCE
	CHAINLINK FENCE
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	OVERHEAD UTILITY LINE(S)
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	SANITARY SEWER PIPE
	WATERLINE (APPROXIMATE LOCATION)
	TREE LINE
	TREE (SIZE AND TYPE)
	GUY WIRE
	FORCE MAIN (APPROXIMATE LOCATION)
	UNDERGROUND TELEPHONE
	MARKED TRAIL

811
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NORTH

GRAPHIC SCALE

ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER
SEYMOUR CENTER RENOVATION AND ADDITION

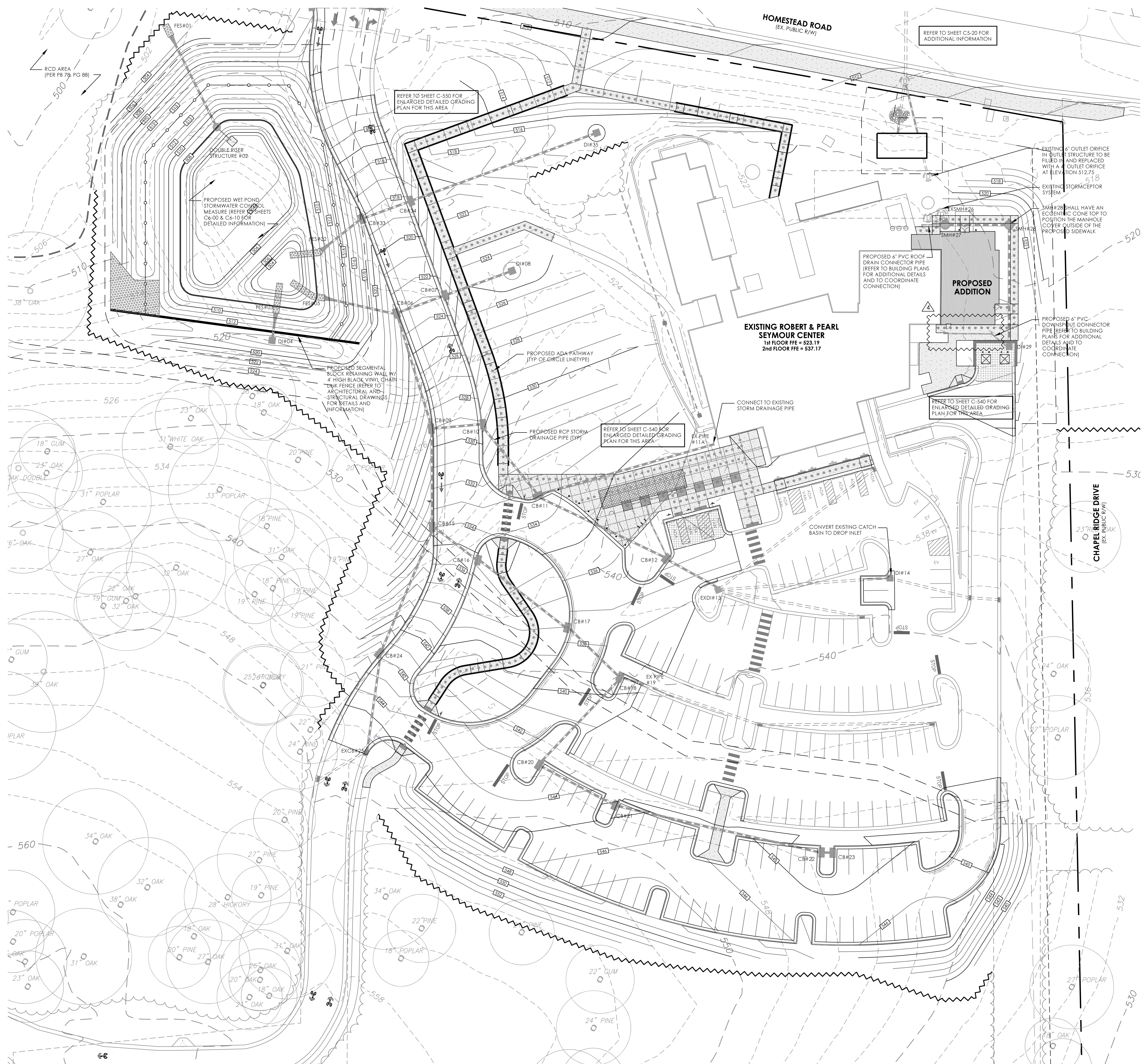
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KEY PLAN
NO SCALE

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SITE LAYOUT
PLAN

2017027 21 DEC 2018



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- UNDERGROUND ELECTRIC SANITARY SEWER PIPE
- WATERLINE (APPROXIMATE LOCATION)
- TREE LINE
- TREE (SIZE AND TYPE)
- GUY WIRE
- FORCE MAIN (APPROXIMATE LOCATION)
- UNDERGROUND TELEPHONE
- MARKED TRAIL

LEGEND

- PROPOSED BUILDING
- PROPOSED BUILDING CANOPY
- PROPOSED CONCRETE
- PROPOSED CONCRETE CURB & GUTTER
- - - PROPOSED PROPERTY LINE
- Ⓟ PROPOSED SIGN
- - - PROPOSED RCP STORM DRAIN PIPE
- PROPOSED DROP INLET
- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE
- XXX --- EXISTING CONTOUR (MAJOR)
- - - XXX - - - EXISTING CONTOUR (MINOR)
- - - - - EXISTING STORM DRAINAGE
- XXX XXX SPOT ELEVATION
- GRND = GROUND
- PAVMT = PAVEMENT
- SWLK = SIDEWALK
- TOC = TOP OF CURB
- EXISTING TREE LINE
- - - PROPOSED TREE LINE

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SEAL 02-9637
JAN 4 2019
08 MAY 2019

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ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER SEYMOUR CENTER RENOVATION AND ADDITION

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KEY PLAN
NO SCALE

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ID DATE DESCRIPTION

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GRADING & DRAINAGE PLAN

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30 15 0 30 60
GRAPHIC SCALE

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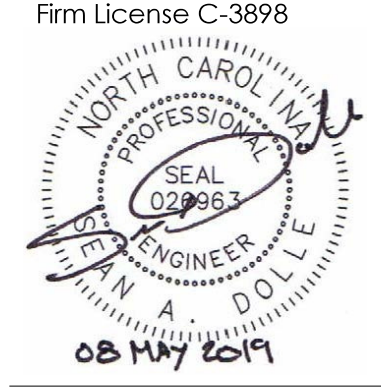
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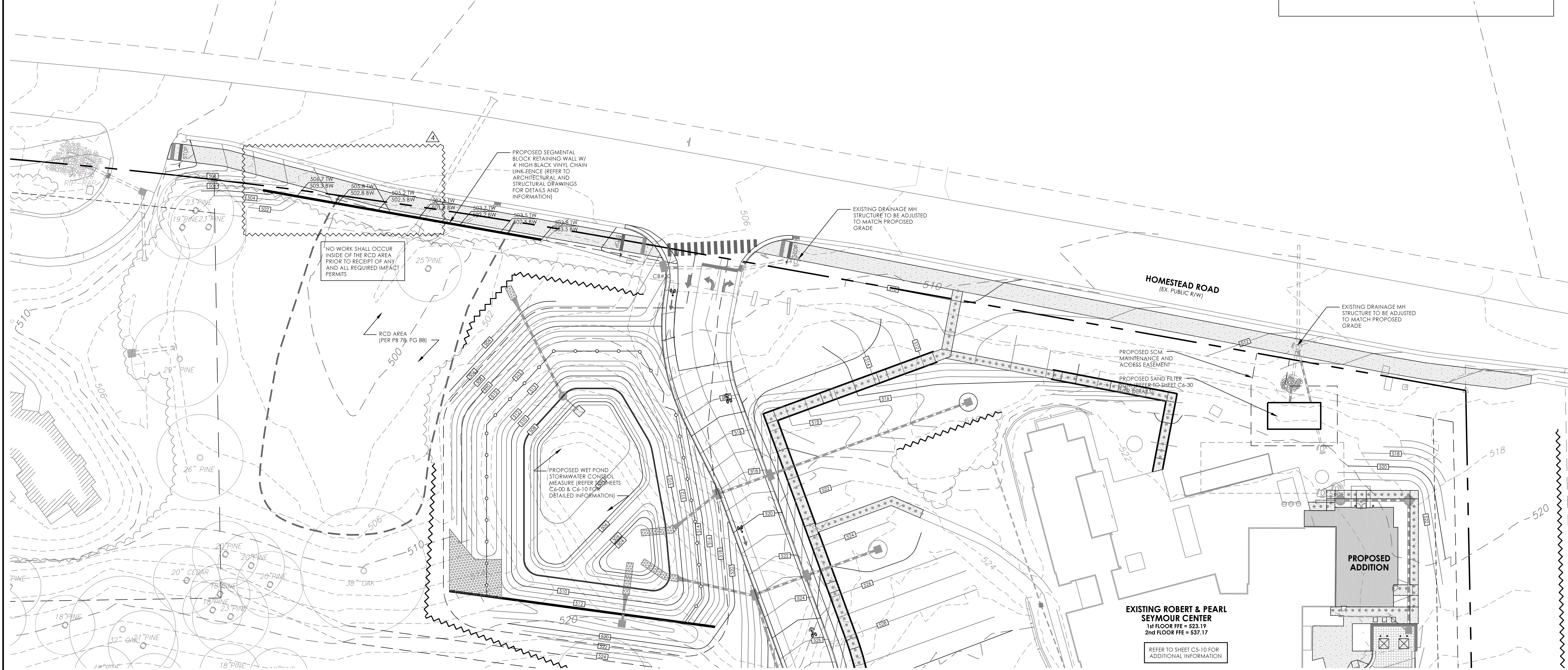
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TW = APPROXIMATE GROUND ELEVATION AT TOP OF PROPOSED WALL
 BW = APPROXIMATE GROUND ELEVATION AT BOTTOM OF PROPOSED WALL
 THE TW & BW ELEVATIONS PROVIDED ARE APPROXIMATE AND ARE INTENDED TO BE FOR REFERENCE ONLY. THESE GRADES DO NOT REPRESENT ELEVATIONS ASSOCIATED WITH THE ACTUAL WALL. FINAL WALL ELEVATIONS SHALL BE DETERMINED BY THE RETAINING WALL DESIGNER

LEGEND

- PROPOSED BUILDING
- PROPOSED BUILDING CANOPY
- PROPOSED CONCRETE
- PROPOSED CONCRETE CURB & GUTTER
- PROPOSED PROPERTY LINE
- PROPOSED SIGN
- PROPOSED RCP STORM DRAIN PIPE
- PROPOSED DROP INLET
- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING STORM DRAINAGE
- SPOT ELEVATION
GRND = GROUND
P/MT = PAVEMENT
SWLK = SIDEWALK
TOC = TOP OF CURB
- EXISTING TREE LINE
- PROPOSED TREE LINE

EXISTING CONDITIONS LEGEND

- EXISTING CONCRETE MONUMENT
- COMPUTED POINT
- SET PK NAIL
- SET MASONRY NAIL
- IRON PIPE SET
- EXISTING IRON PIPE
- GAS METER
- ELECTRIC METER
- CLEAN OUT
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- WATER METER
- WATER VAULT
- WATER VALVE
- FIRE HYDRANT
- DRAINAGE MANHOLE
- CATCH BASIN
- CURB INLET
- LIGHT POLE
- TELEPHONE PEDESTAL
- CATV PEDESTAL
- UTILITY POLE
- GAS TEST STATION
- HANDICAP RAMP/PARKING SPACE SIGN
- ELECTRIC MANHOLE
- GAS VALVE
- FIBER OPTICS WARNING POLE
- TELEPHONE MANHOLE
- GREASE TRAP MANHOLE
- BOLLARD
- ELECTRIC BOX
- LAMP
- FLOODLIGHT
- SEWER LIFT PUMP
- WOODEN FENCE
- CHAINLINK FENCE
- METAL FENCE
- UNDERGROUND GAS LINE (APPROXIMATE LOCATION)
- OVERHEAD UTILITY LINE(S)
- UNDERGROUND ELECTRIC
- SANITARY SEWER PIPE
- WATERLINE (APPROXIMATE LOCATION)
- TREE LINE
- TREE (SIZE AND TYPE)
- GUY WIRE
- FORCE MAIN (APPROXIMATE LOCATION)
- UNDERGROUND TELEPHONE
- MARKED TRAIL



ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER
SEYMOUR CENTER RENOVATION AND ADDITION

2551 Homestead Rd., Chapel Hill, NC. 27516

KEY PLAN
NO SCALE

ID	DATE	DESCRIPTION
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3	03.29.2019	REV. PER AHJ REVIEW
2	03.19.2019	ISSUED FOR BID
1	02.22.2019	REV. PER AHJ REVIEW

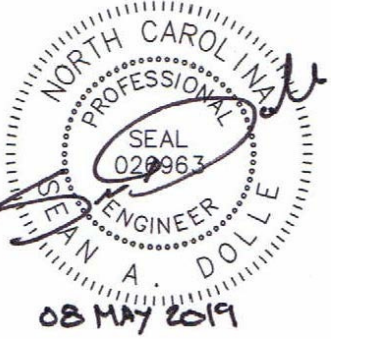
DRAWN BY: SAD
CHECKED BY: SAD

GRADING & DRAINAGE PLAN

2017027 21 DEC 2018

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



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CHECKED BY: SAD

STORM
DRAINAGE
TABLE

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	---	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%

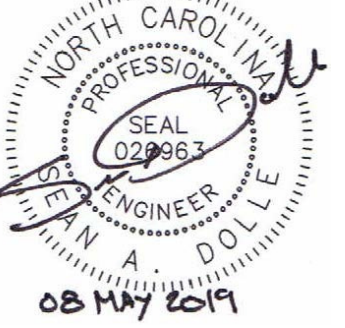
REFER TO THE RIP-RAP DISSIPATOR PAD SCHEDULE PROVIDED ON SHEET C9-21 FOR ADDITIONAL INFORMATION REGARDING REQUIRED MINIMUM SIZES AND MATERIALS ASSOCIATED WITH THE DISSIPATOR PADS.



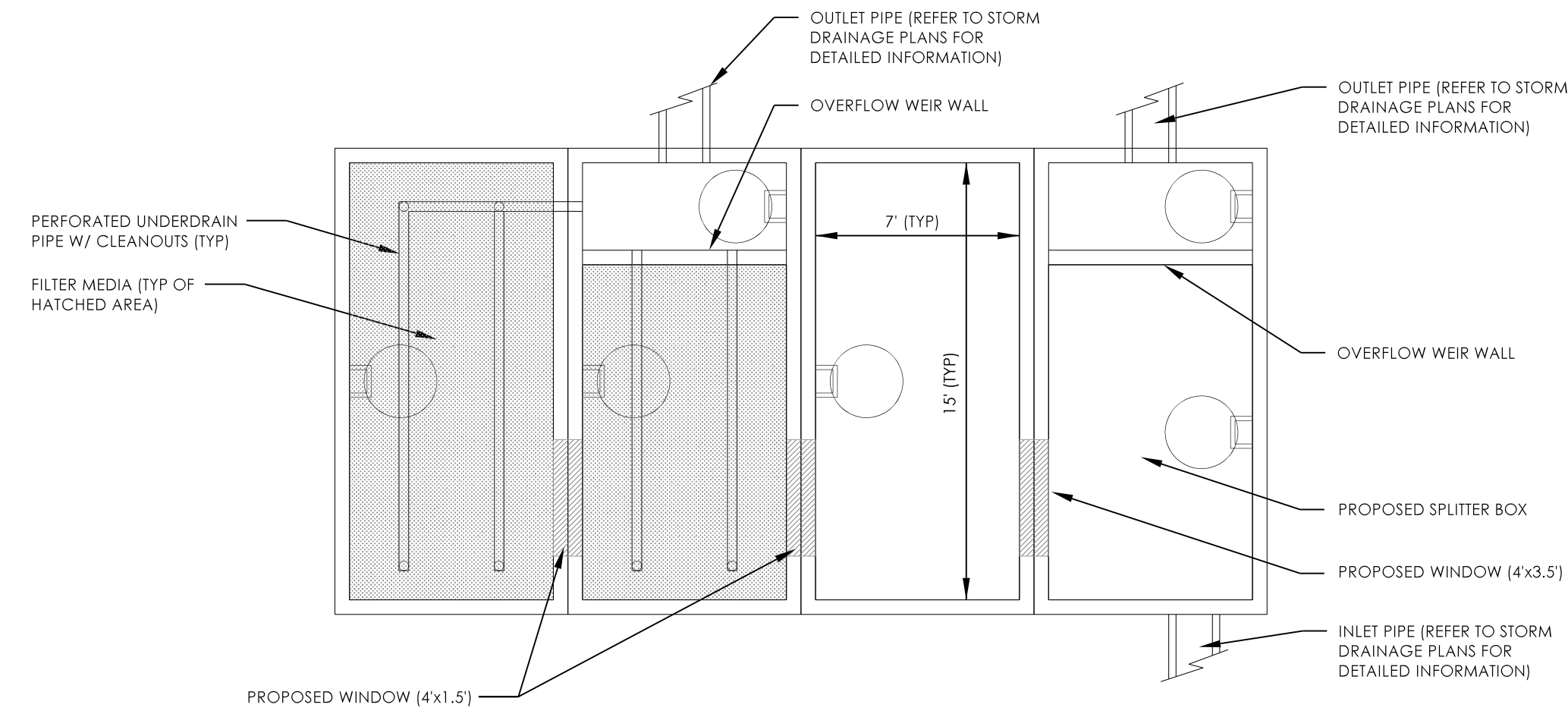
Know what's below.
Call before you dig.

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



BID SET



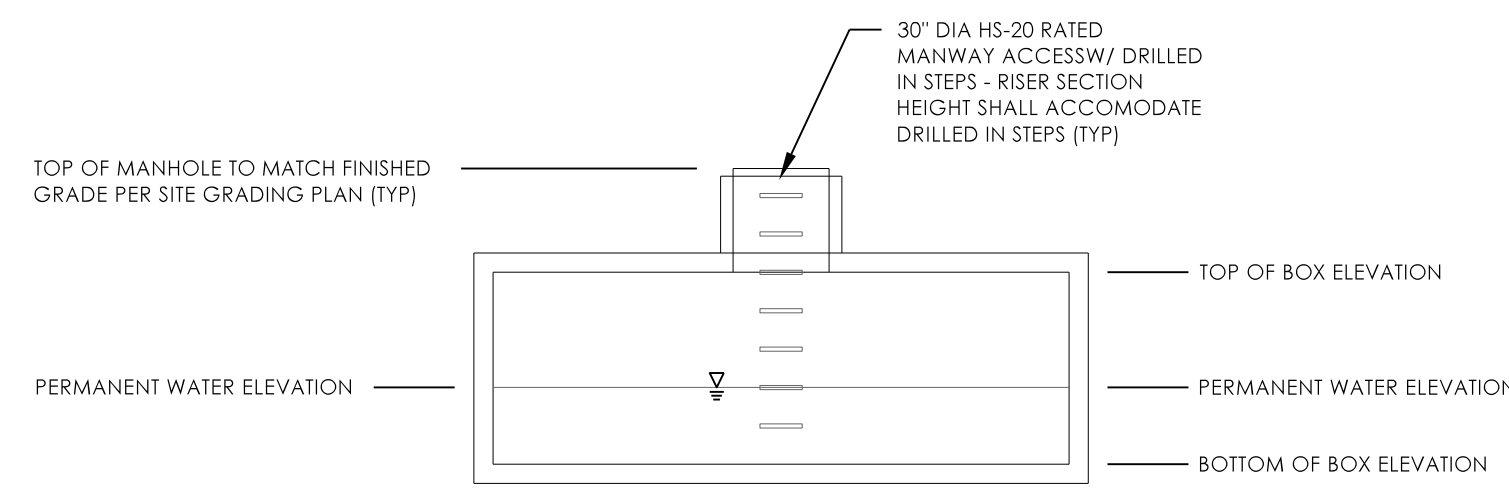
PLAN VIEW

NOTES:

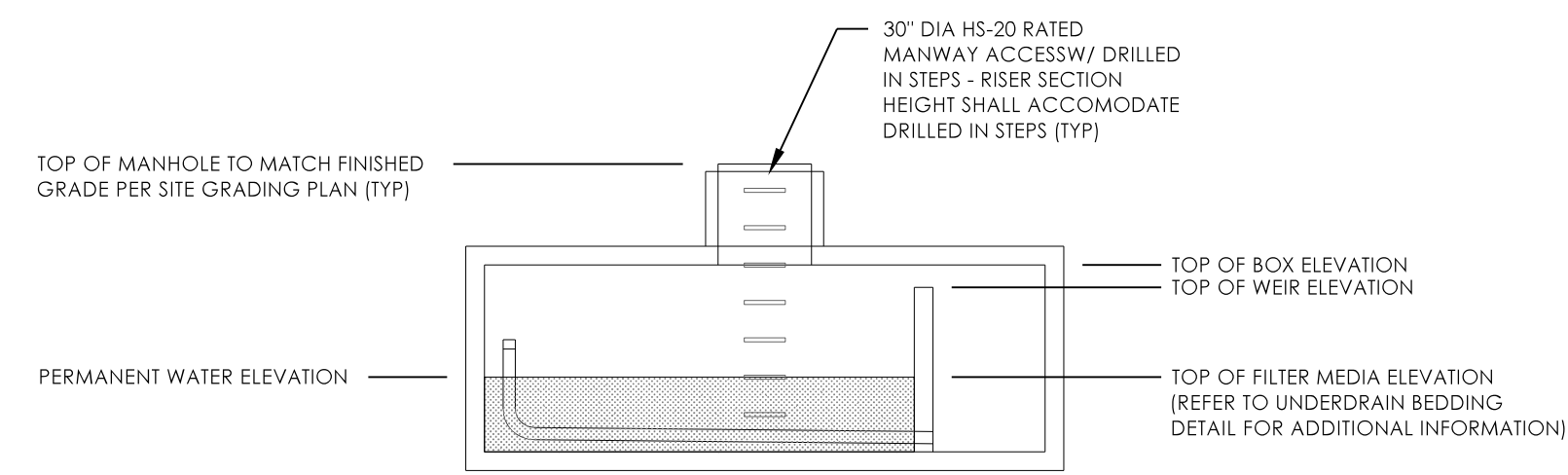
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INSTALLING A SAND FILTER SYSTEM THAT MEETS THE MINIMUM REQUIREMENTS LISTED ON THESE PLANS.
2. THE SAND SHALL BE CLEAN, WASHED, COARSE SAND PER ASTM C33 STD. THE AVERAGE SAND PARTICLE SIZE SHALL BE LESS THAN 2 MM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COPY OF THE MEDIA MIM CERTIFICATION FROM THE SUPPLIER INDICATING THAT IT IS COMPLIANT WITH ASTM C33 STD.
3. ALL WALL (BOTTOM, TOP, AND INTERNAL) AND REINFORCING SHALL BE PER MANUFACTURER'S 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 PORTIONS OF THE DEVICE.
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.
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

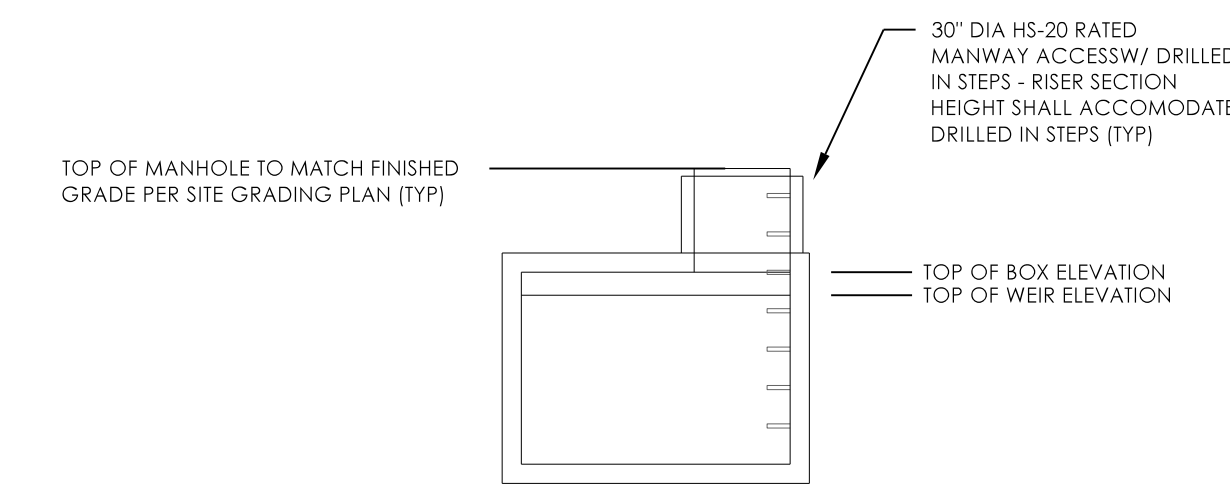
TOP OF BOX ELEVATION	312.60
BOTTOM OF BOX ELEVATION	307.60
TOP OF SAND ELEVATION	309.60
PERMANENT WATER ELEVATION	309.60
TOP OF WINDOW ELEVATION	311.10
BOTTOM OF WINDOW ELEVATION	309.60
TOP OF WEIR ELEVATION	312.10
MIN. REQUIRED WATER QUALITY VOLUME	900 CF
WATER QUALITY VOLUME PROVIDED	927.5 CF
UNDERDRAIN PIPE SIZE	4"
UNDERDRAIN PIPE MIN. SLOPE	1.0%
WATER QUALITY VOLUME ELEVATION	312.10



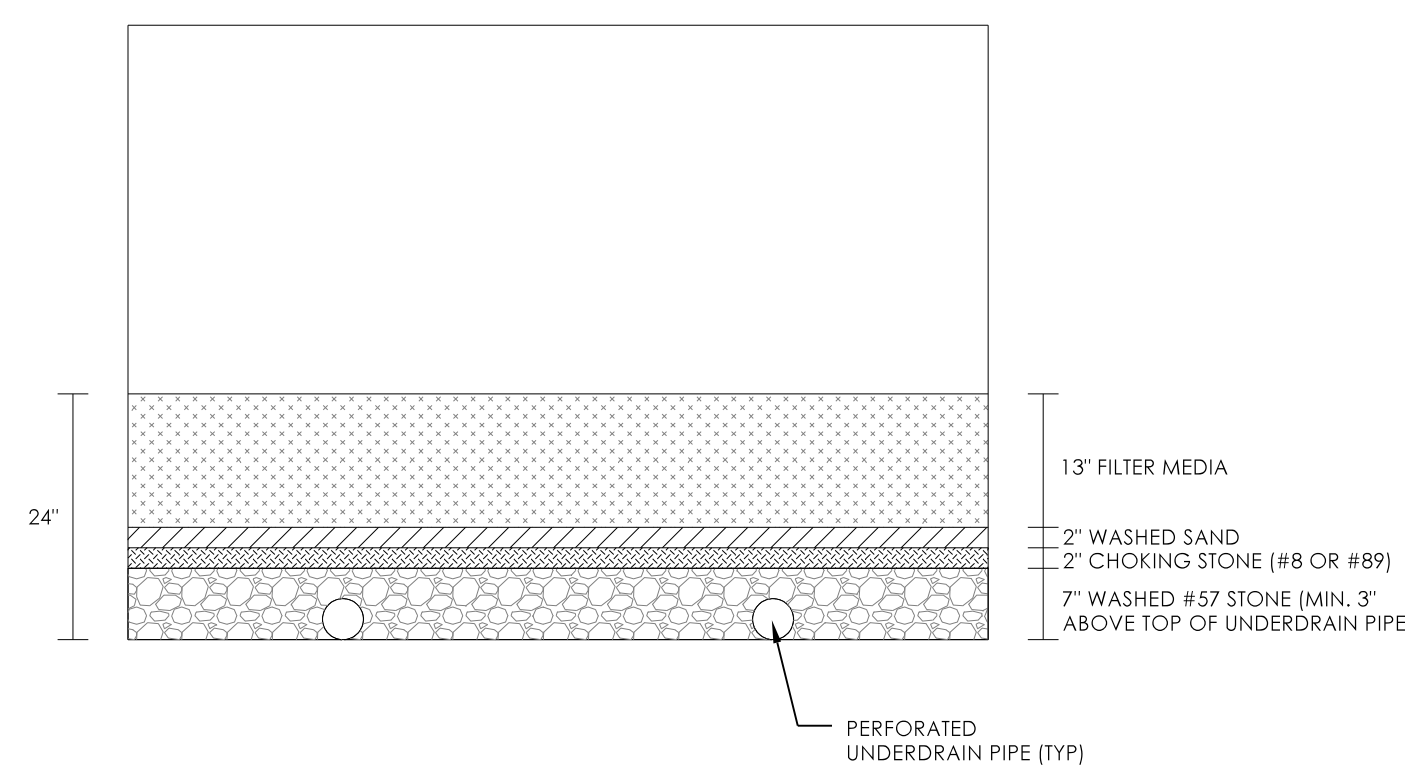
SAND FILTER SEDIMENT CHAMBER SECTION VIEW



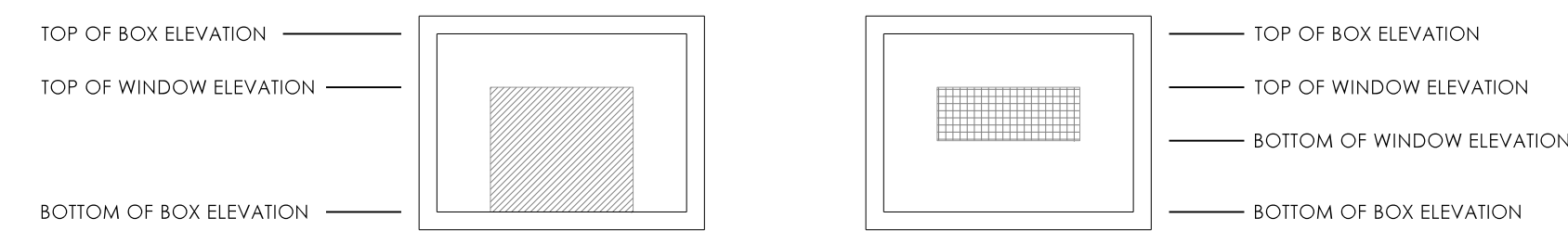
SAND FILTER CHAMBER SECTION VIEW



SPLITTER BOX SECTION VIEW (END)

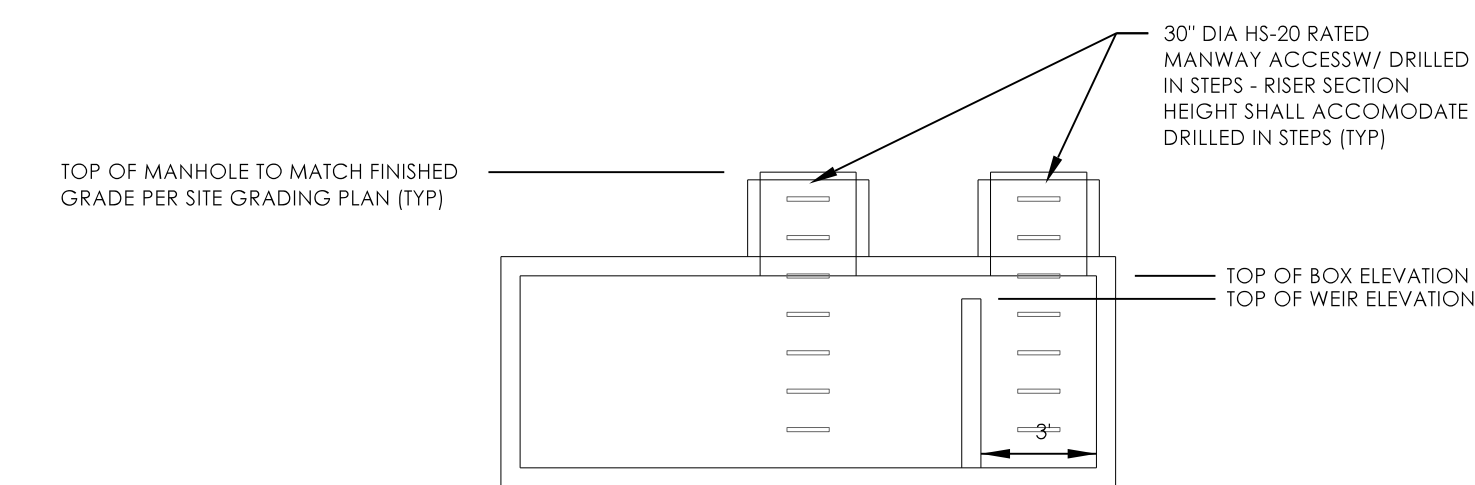


UNDERDRAIN BEDDING DETAIL



4' X 3.5' WINDOW

4' X 1.5' WINDOW



SPLITTER BOX SECTION VIEW (SIDE)

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ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER
SEYMOUR CENTER RENOVATION AND ADDITION

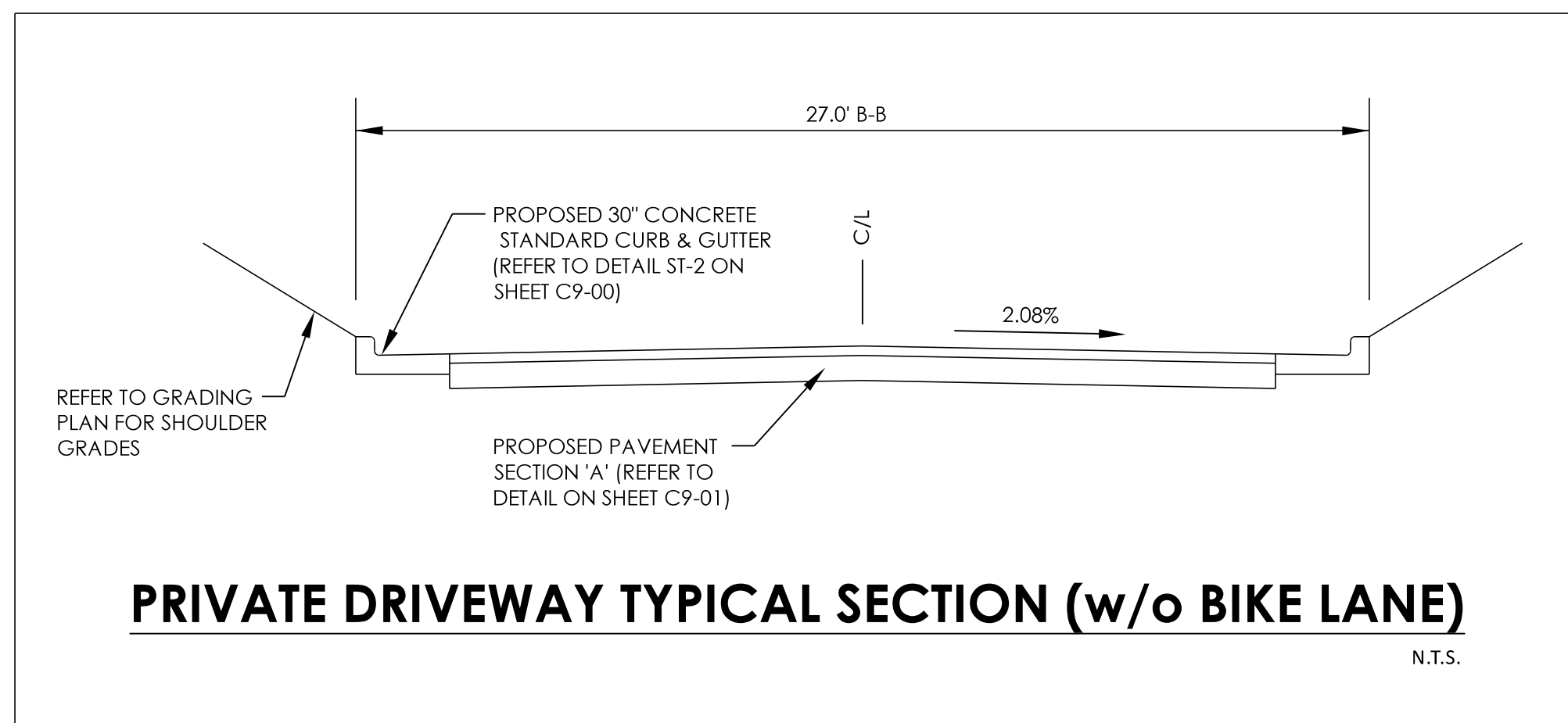
2551 Homestead Rd., Chapel Hill, NC. 27516

KEY PLAN
NO SCALE

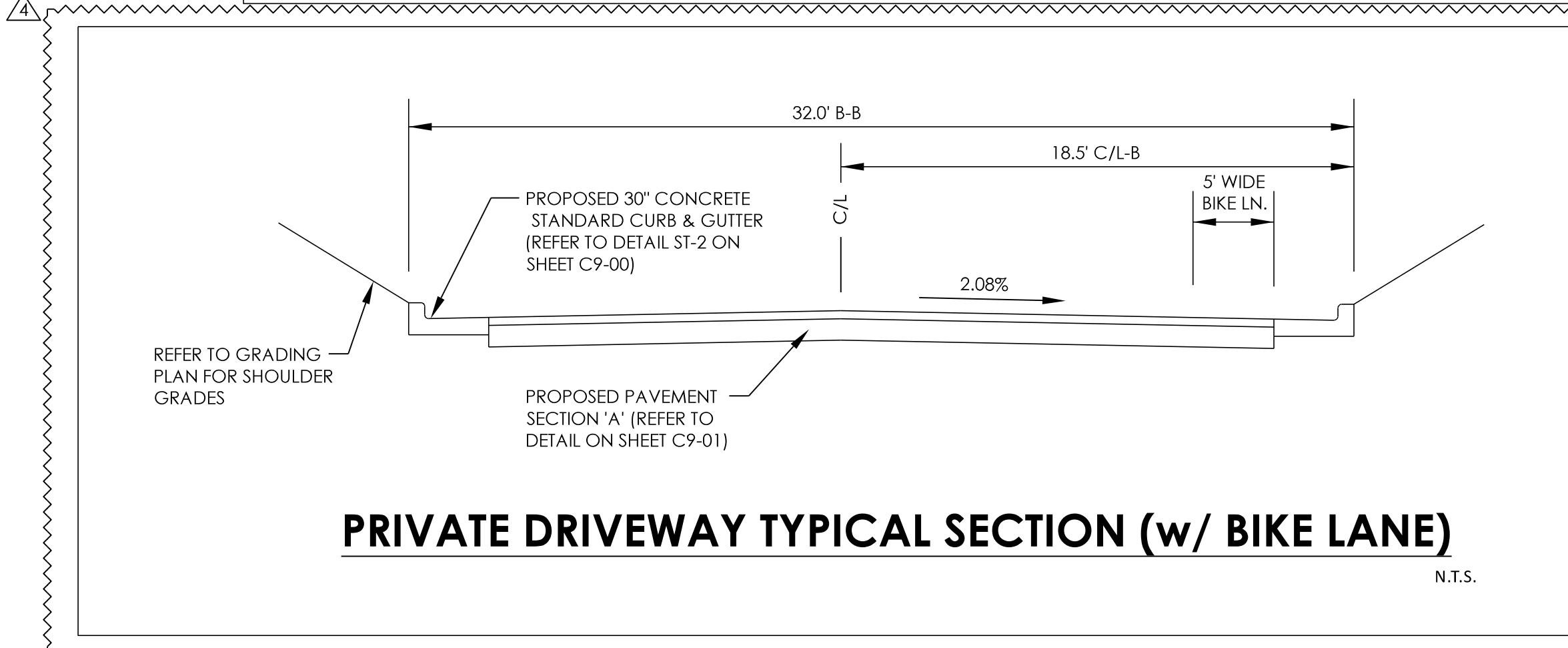
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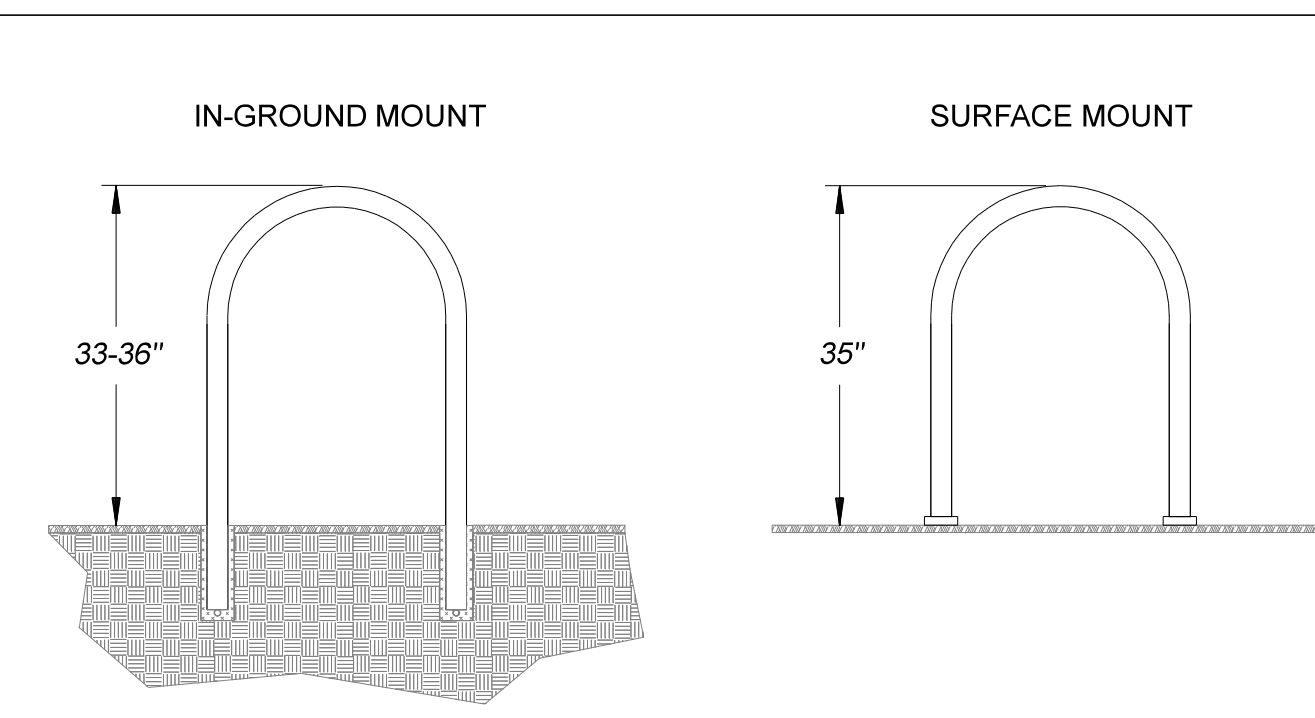
**STORMWATER
MANAGEMENT
DETAILS**



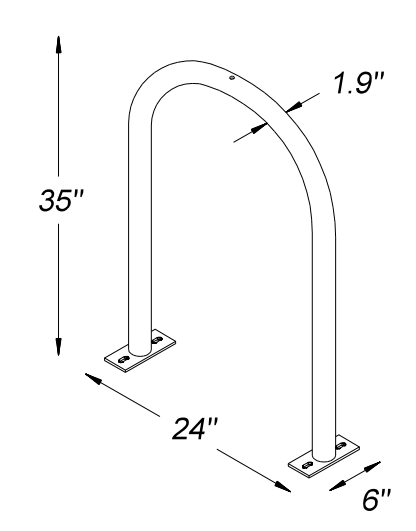
PRIVATE DRIVEWAY TYPICAL SECTION (w/o BIKE LANE)
N.T.S.



PRIVATE DRIVEWAY TYPICAL SECTION (w/ BIKE LANE)
N.T.S.



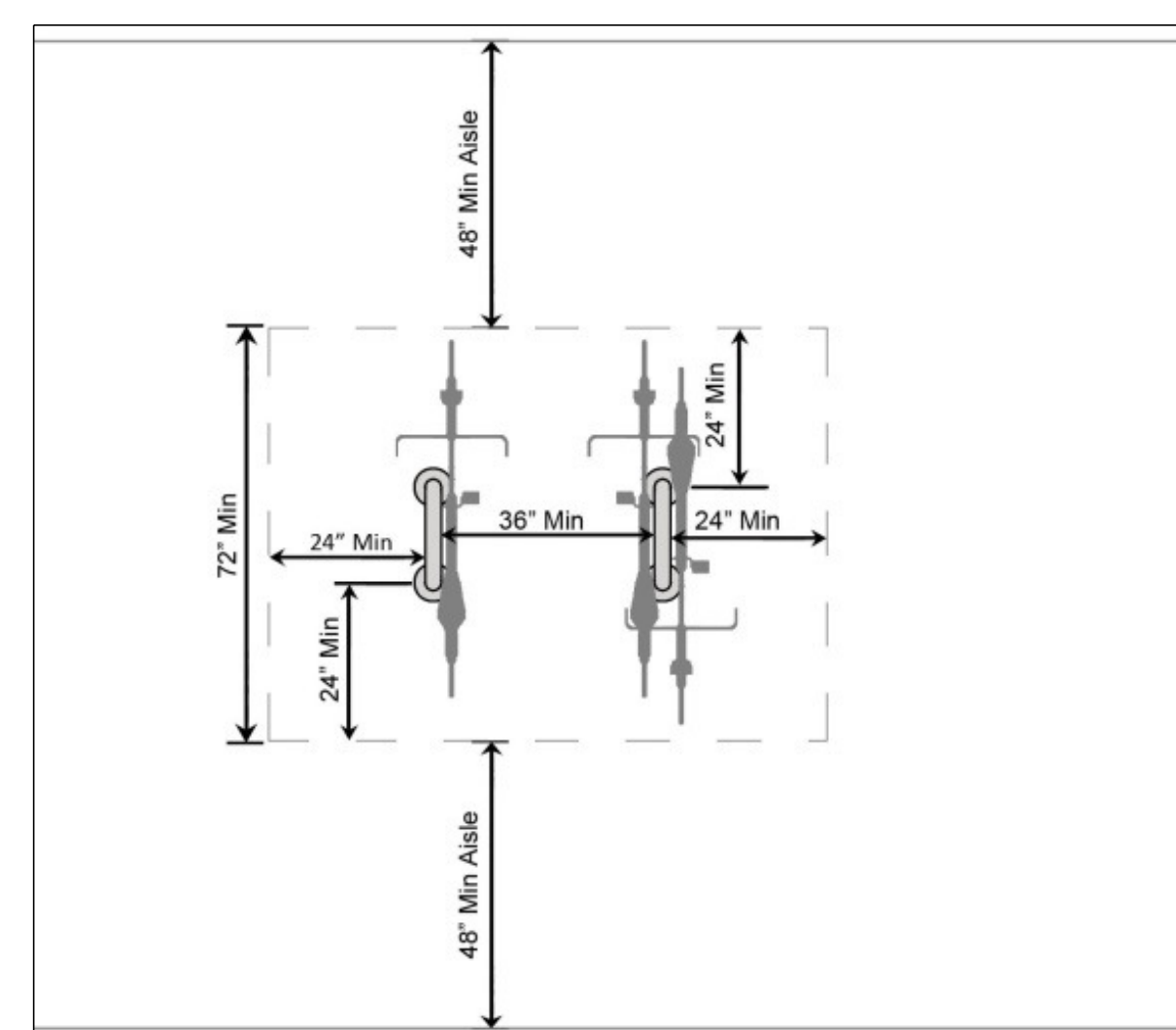
THE BIKE RACK SHALL BE INSTALLED TO HAVE A MINIMUM CLEARANCE OF 36" ON EACH SIDE AND A MINIMUM CLEARANCE OF 48" AT EACH END.



STANDARD BIKE RACK

BIKE RACK INSTALLATION:
SURFACE MOUNT - WHEN INSTALLED ON CONCRETE SURFACE, USE 3/8" ANCHORS TO PLATE MOUNT. SHIM AS NECESSARY TO ENSURE VERTICAL PLACEMENT.
IN-GROUND MOUNT - WHEN INSTALLED ON PAVERS OR OTHER NON-STABLE SURFACES, EMBED INTO BASE. CORE HOLES NO LESS THAN 3" IN DIAMETER AND 10" DEEP.

BIKE RACK DETAIL
N.T.S.



BICYCLE SPACING DETAIL

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T 919 781 8582

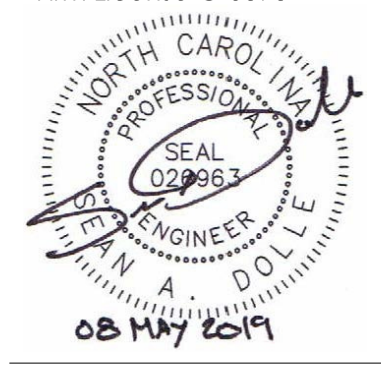
4600 Lake Boone Trail
Suite 205
Raleigh, NC 27607

info@smithsinnett.com

Raleigh, NC 27606

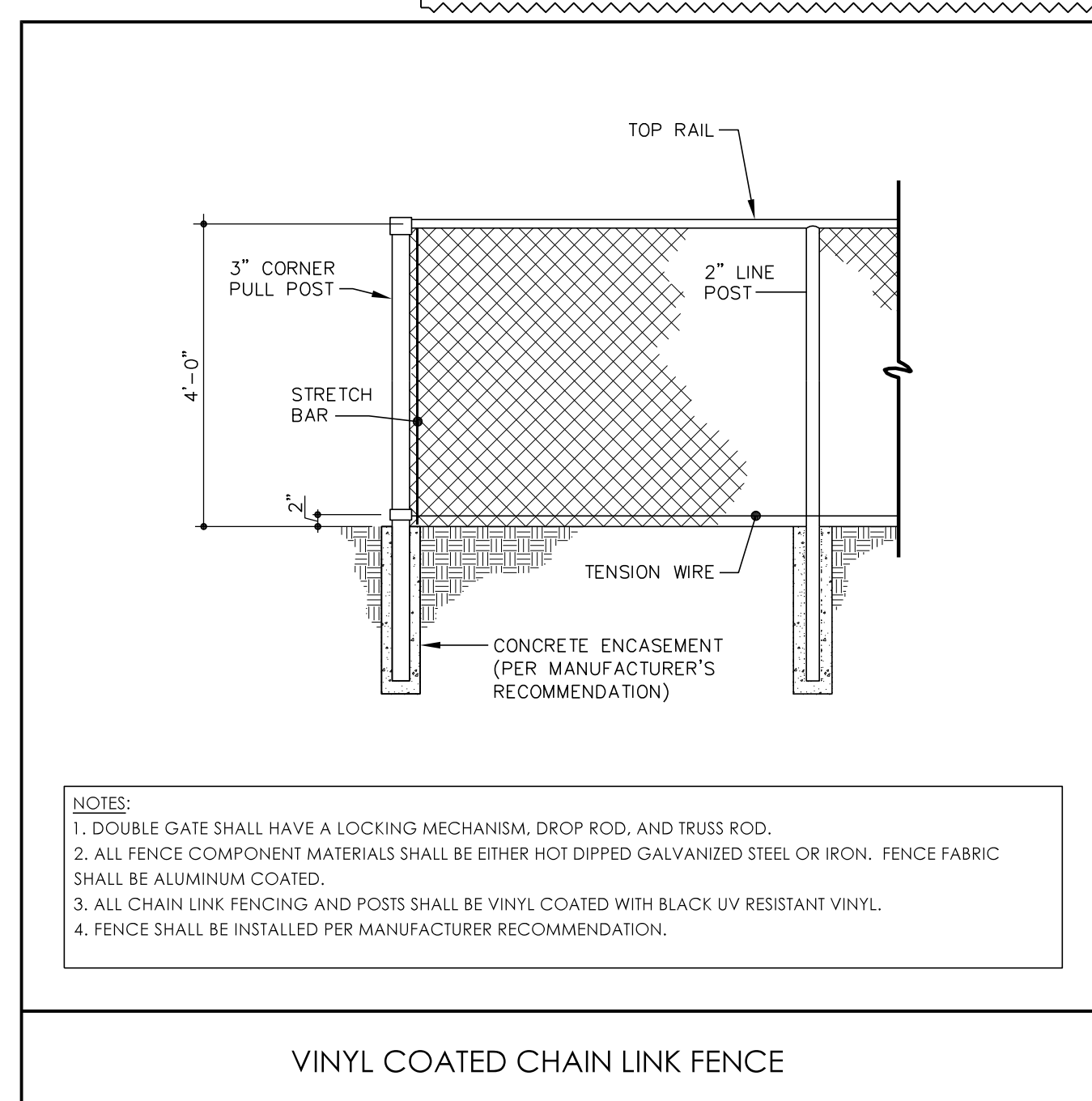
919.438.3694 (o)

Firm License C-3898



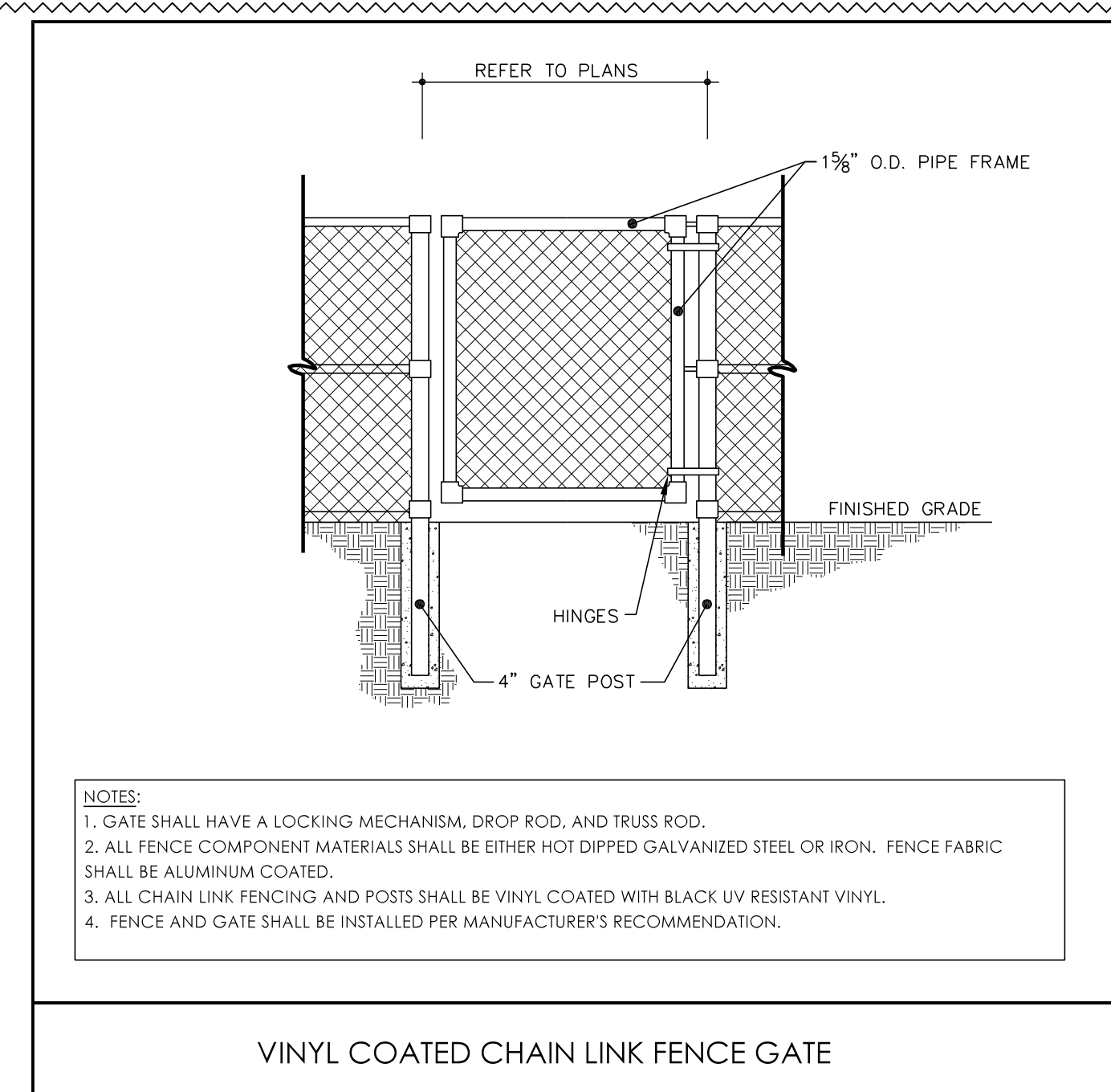
BID SET

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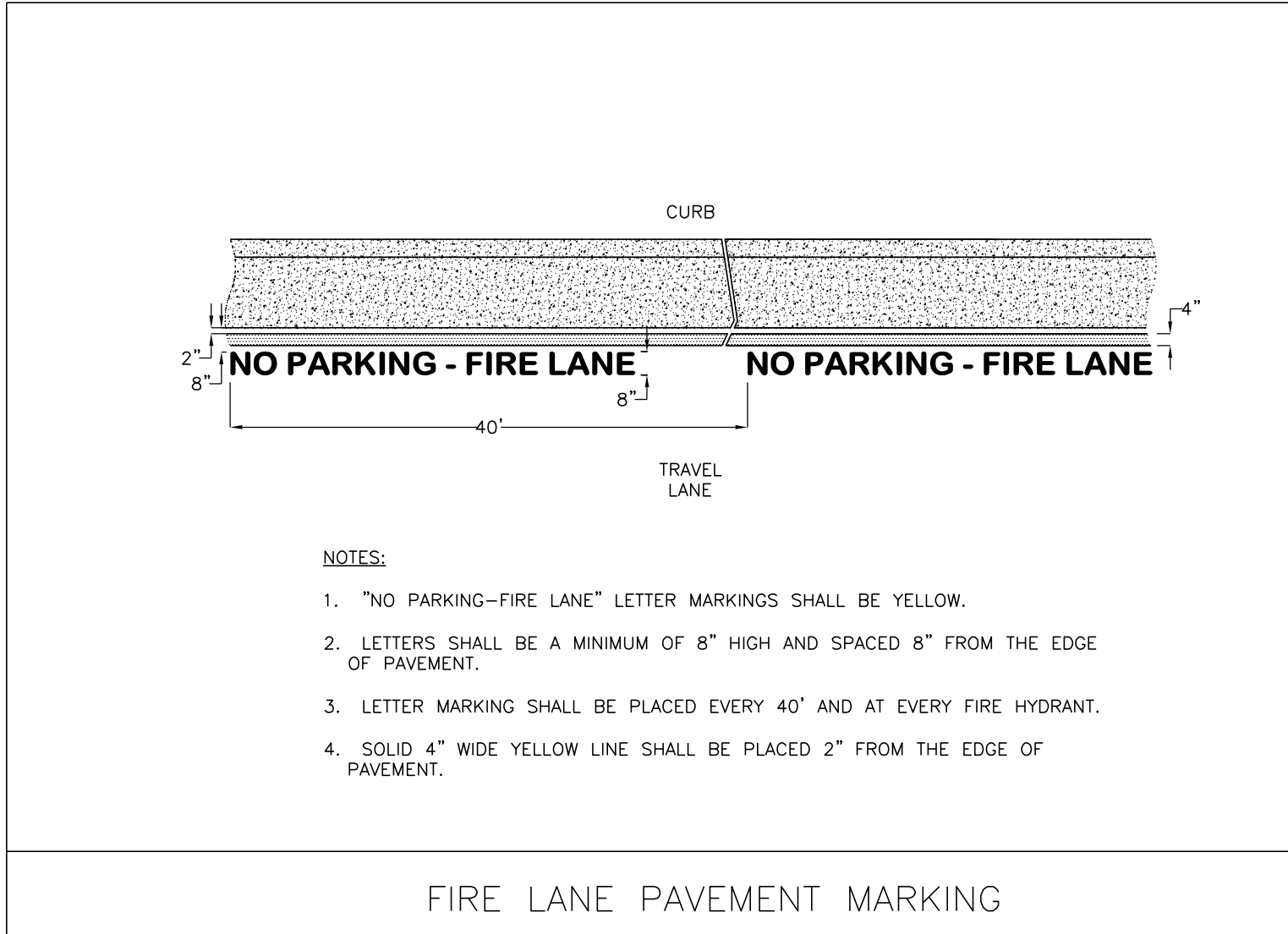
- NOTES:**
1. DOUBLE GATE SHALL HAVE A LOCKING MECHANISM, DROP ROD, AND TRUSS ROD.
 2. ALL FENCE COMPONENT MATERIALS SHALL BE EITHER HOT DIPPED GALVANIZED STEEL OR IRON. FENCE FABRIC SHALL BE ALUMINUM COATED.
 3. ALL CHAIN LINK FENCING AND POSTS SHALL BE VINYL COATED WITH BLACK UV RESISTANT VINYL.
 4. FENCE SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATION.

VINYL COATED CHAIN LINK FENCE



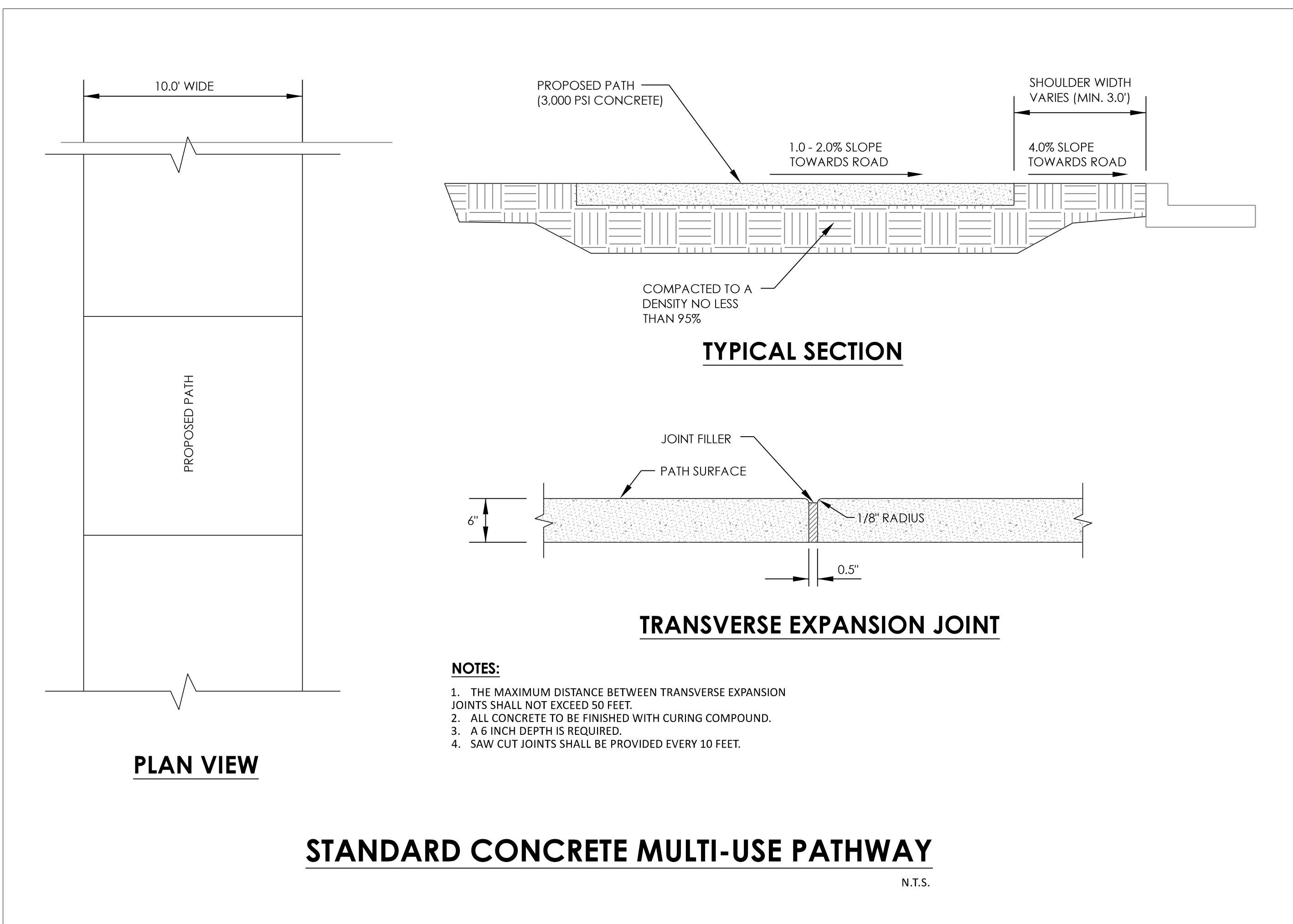
- NOTES:**
1. GATE SHALL HAVE A LOCKING MECHANISM, DROP ROD, AND TRUSS ROD.
 2. ALL FENCE COMPONENT MATERIALS SHALL BE EITHER HOT DIPPED GALVANIZED STEEL OR IRON. FENCE FABRIC SHALL BE ALUMINUM COATED.
 3. ALL CHAIN LINK FENCING AND POSTS SHALL BE VINYL COATED WITH BLACK UV RESISTANT VINYL.
 4. FENCE AND GATE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.

VINYL COATED CHAIN LINK FENCE GATE



- NOTES:**
1. "NO PARKING-FIRE LANE" LETTER MARKINGS SHALL BE YELLOW.
 2. LETTERS SHALL BE A MINIMUM OF 8" HIGH AND SPACED 8" FROM THE EDGE OF PAVEMENT.
 3. LETTER MARKING SHALL BE PLACED EVERY 40' AND AT EVERY FIRE HYDRANT.
 4. SOLID 4" WIDE YELLOW LINE SHALL BE PLACED 2" FROM THE EDGE OF PAVEMENT.

FIRE LANE PAVEMENT MARKING



PLAN VIEW

TYPICAL SECTION

TRANSVERSE EXPANSION JOINT

STANDARD CONCRETE MULTI-USE PATHWAY
N.T.S.

- NOTES:**
1. THE MAXIMUM DISTANCE BETWEEN TRANSVERSE EXPANSION JOINTS SHALL NOT EXCEED 50 FEET.
 2. ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND.
 3. A 6 INCH DEPTH IS REQUIRED.
 4. SAW CUT JOINTS SHALL BE PROVIDED EVERY 10 FEET.

ORANGE COUNTY SOUTHERN HUMAN SERVICES CENTER
SEYMOUR CENTER RENOVATION AND ADDITION

2551 Homestead Rd., Chapel Hill, NC. 27516

KEY PLAN
NO SCALE

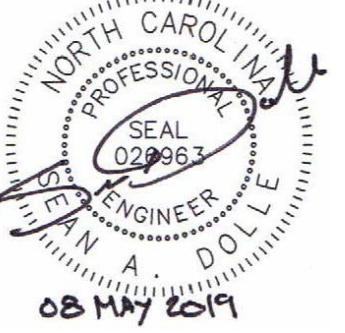
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DRAWN BY: SAD
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SITE DETAILS

2017027

21 DEC 2018



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KEY PLAN
NO SCALE

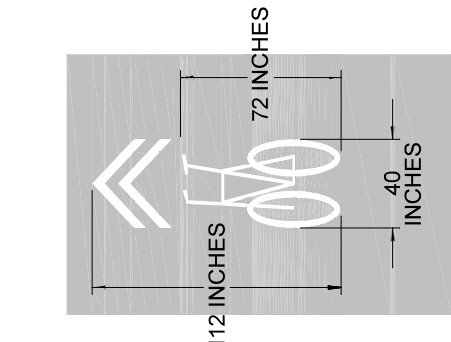
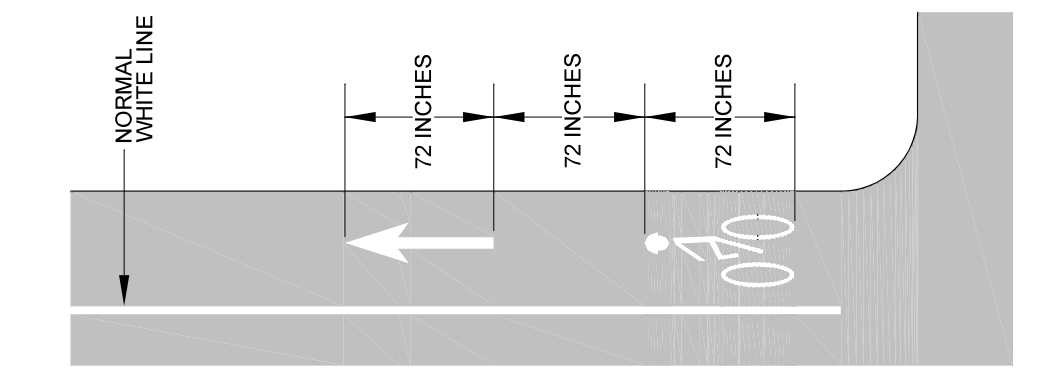
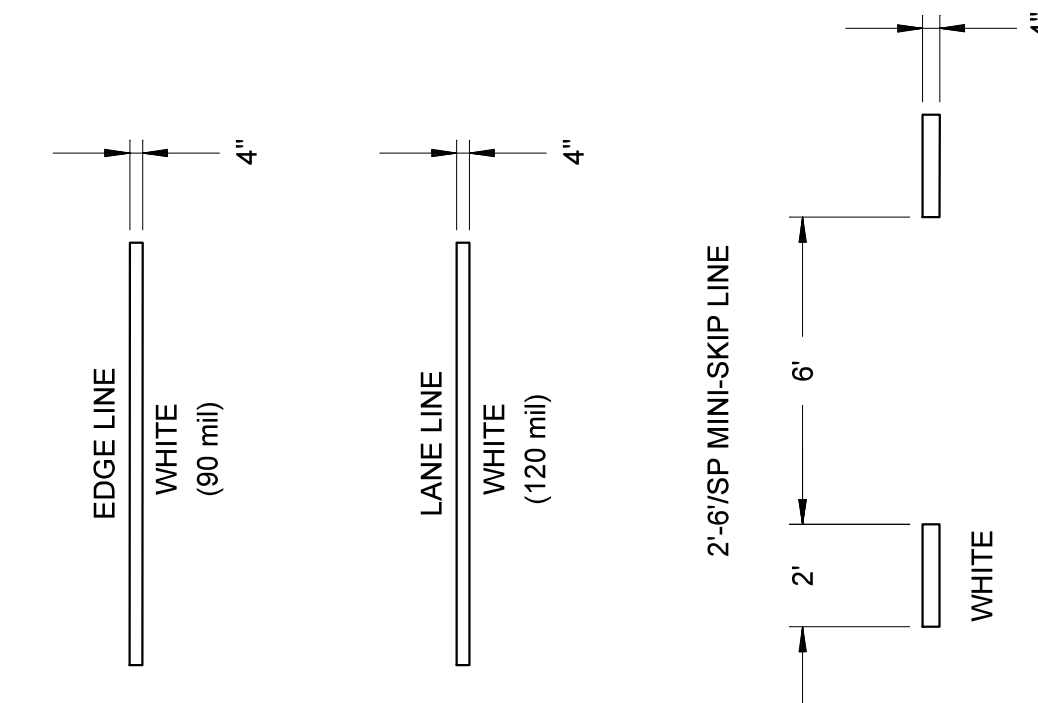
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ID DATE DESCRIPTION
DRAWN BY: SAD
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SITE DETAILS

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BICYCLE MARKING



R3-17

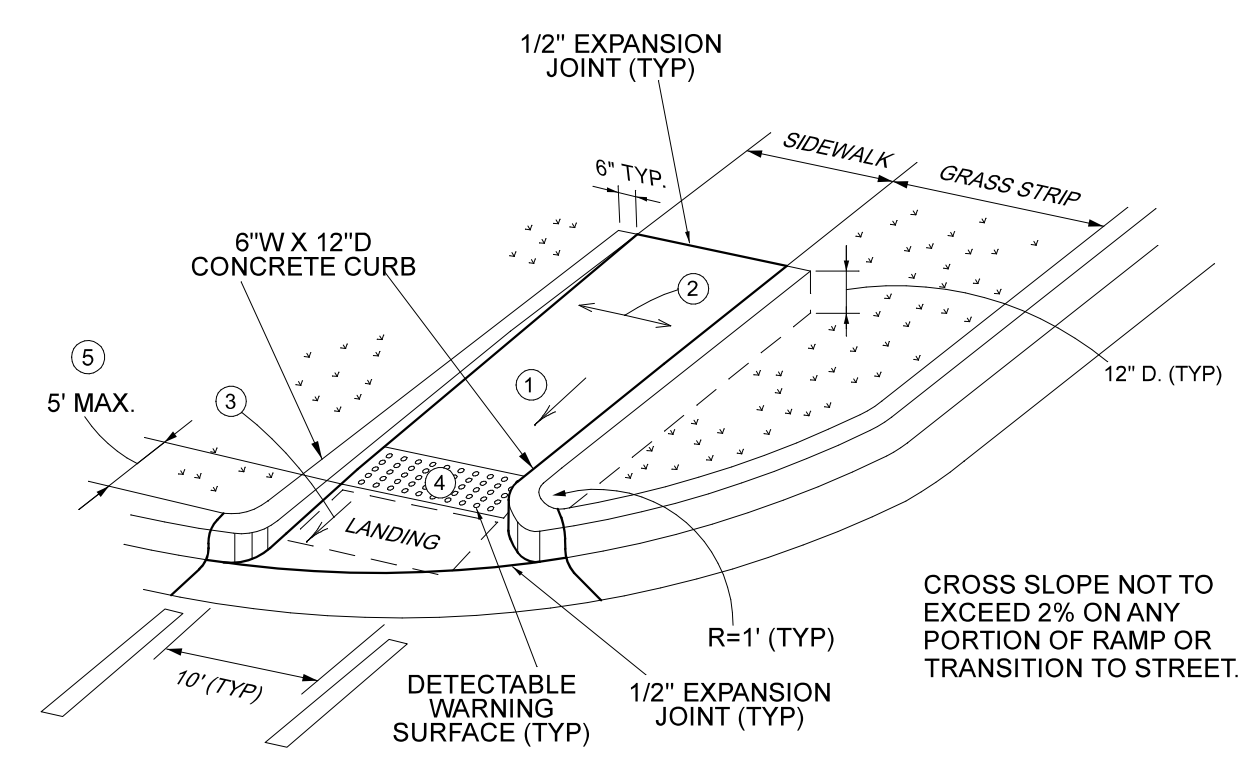


R3-17bP

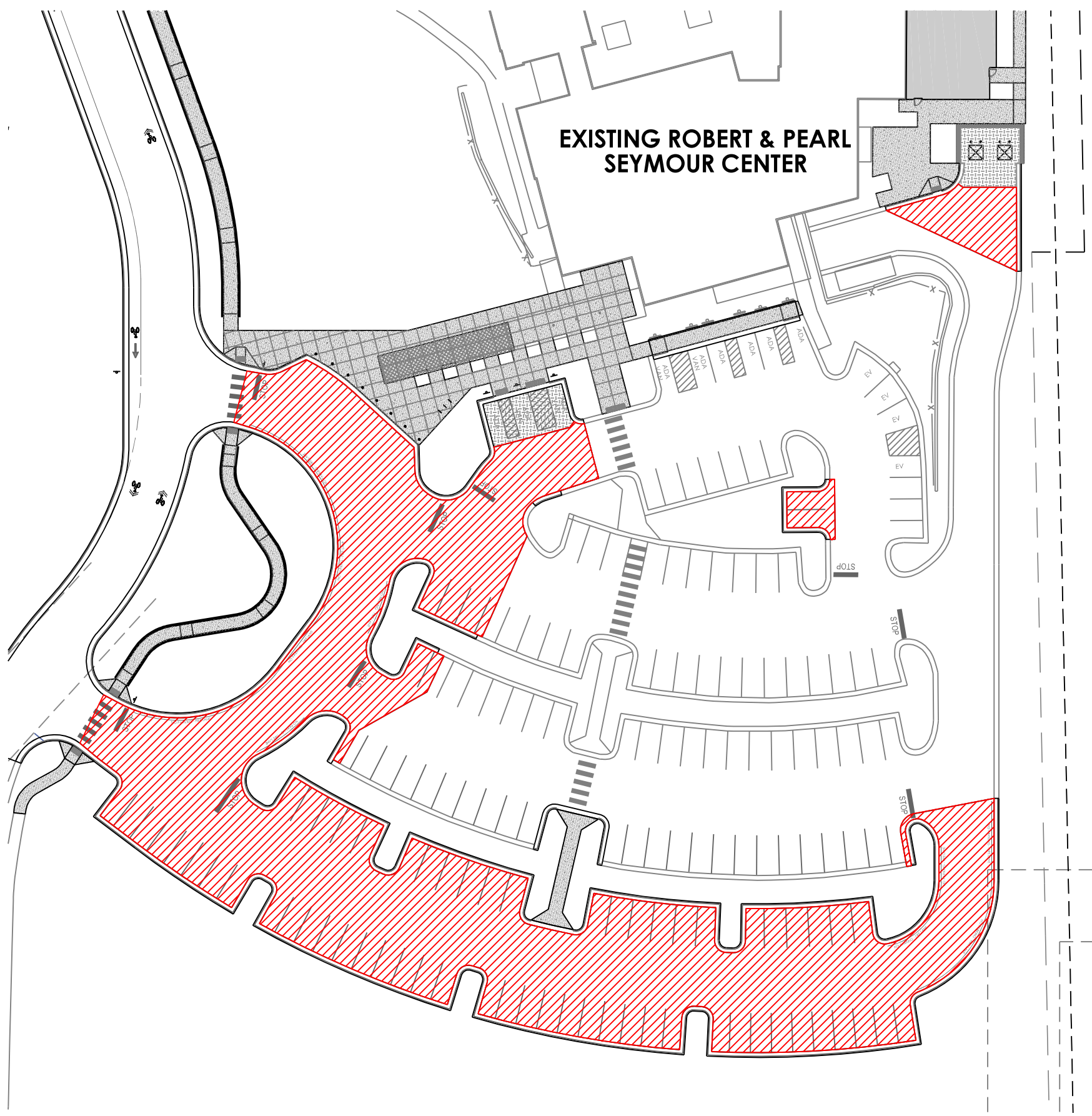
BICYCLE SIGN

CONCRETE DEPTH	
RAMP	6"
LANDING	4"

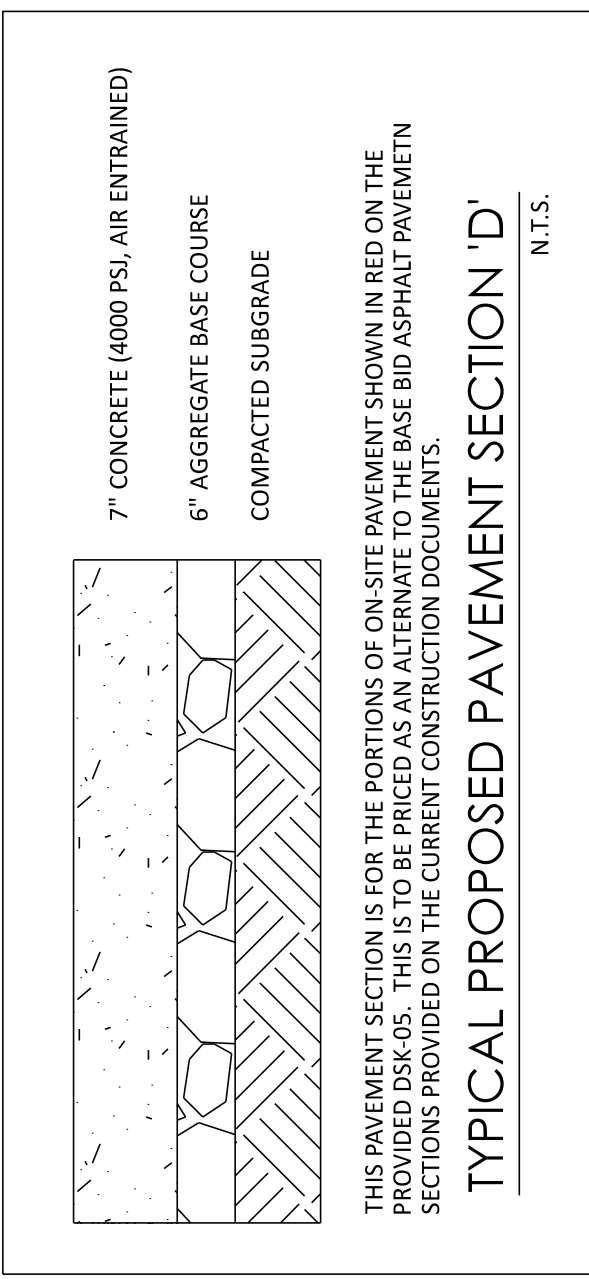
- 1 SLOPE TO MEET GRADE, 1% MAXIMUM.
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMP REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.
- 4 RAMP AND DOMES SHALL BE INSTALLED THE SAME WIDTH AS THE SIDEWALK.
- 5 IF LENGTH EXCEEDS 5', TRUNCATED DOMES SHALL BE INSTALLED ALONG THE BACK OF THE CURB COVERING THE FULL WIDTH OF THE RAMP.



MULTI-PURPOSE PATHWAY ADA RAMP



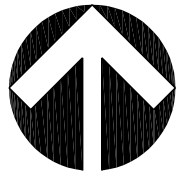
EXISTING ROBERT & PEARL SEYMOUR CENTER



THIS PAVEMENT SECTION IS FOR THE PORTIONS OF ON-SITE PAVEMENT SHOWN IN RED ON THE PROVIDED DSK-05. THIS IS TO BE PRICED AS AN ALTERNATE TO THE BASE BID ASPHALT PAVEMENTN SECTIONS PROVIDED ON THE CURRENT CONSTRUCTION DOCUMENTS.

TYPICAL PROPOSED PAVEMENT SECTION 'D'

N.T.S.



NORTH



GRAPHIC SCALE

THIS DRAWING IS FORMATTED TO BE PRINTED ON A 11"x17" SHEET

SEYMOUR CENTER
ORANGE COUNTY SOUTHERN CAMPUS

PAVEMENT ALTERNATE SKETCH

ISSUE DATE
05/08/2019

PROJECT #
17028

SHEET #
DSK-05

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