

ADDENDUM No. 2

Date: August 30, 2021

To: All Bidders

From: **Jenkins•Peer Architects**
Charlotte, N.C.

Re: UNC Charlotte – Residence Hall Phase XVI
SCO ID: 18-18333-02E
JPA Project #: 18NCC016

NOTICE to BIDDERS:

Bidder is hereby notified that this Addendum shall hereby become a part of the Construction Documents and the official Contract Documents, and shall be attached to the Project Manual for the Project.

The following items are intended to revise and clarify the Drawings and the Project Manual.

The bidder shall see that their Sub-Bidders are in full receipt of the information contained herein.

General Note:

This Addendum includes the following groups and subsequent “items” referring to various parts of the Contract Documents. Note that some “items” may refer to Bulletin Drawings or new Specification Sections which are attached at the back of the Addendum.

GENERAL INFORMATION

- 1) The following are the current planholders who have downloaded drawings and specifications via Jenkins Peer Architects Sharefile site:

Angie Overstreet	Branch Builds	angieo@branchbuilds.com
Robert Tirocchi	Harkins Builders	rtirocchi@harkinsbuilders.com
Manish Venugopal	Randolph Builders	manish@randolphbuilders.com
Vern Albright	Barton Malow	vern.albright@bartonmalow.com
Lori Chimiak	Cleveland	lchimiak@clevelandconstruction.com
Miles Campbell	John M Campbell Co.	jmc-gc@johnmcampbellcompany.com
Justin Luitjohan	Poettker Construction	jluitjohan@poettkerconstruction.com
Josh Spencer	Barton Malow	josh.spencer@bartonmalow.com
Jay Morgan	New Atlantic	jmorgan@new-atlantic.net
Kathryn Webster	CMC Building inc.	kwebster@cmcbuildinginc.com
Rachel Collins	I.L. Long Construction	rcollins@illong.com
Mike Hill	Edison Foard	mhill@edisonfoard.com
Jeff Ratcliff	Beck Group	jeffratcliff@beckgroup.com
Debbie Eaker	Path Construction	deaker@pathcc.com
Payton Stull	Patson-Cook	pstull@batson-cook.com
Cherish Smith	Roy Anderson Corp.	cherish.smith@rac.com
Logan Childs	Archer Western	lchilds@walshgroup.com
Jennifer Mabe	Elford, Inc.	jmabe@elford.com

Kevin Conrad
Alex Danyal

JM Cope Construction
Msquare Const., Inc

kconrad@jmcope.com
estimating@msquareus.com

Disclaimers:

- 1) The planholder list above may not be exhaustive as these are only the planholders who have downloaded from JPA's Sharefile site. Other resources may have been used by other entities for which JPA has no way of tracking.
- 2) This list is published for information only. Jenkins Peer makes no claim nor guarantee that the listed GC's will be submitting a bid for this project. It is the responsibility of any contractor, sub-contractor, and supplier to confirm the information provided here for the purpose of submitting their own bid or pricing to qualified bidders.
- 3) The individual contact listed for each company is based on the information input by the listed companies to gain access to download the documents. Jenkins Peer Architects makes no guarantee that the listed individual is the contact for any of the companies.

PROJECT MANUAL & TECHINCAL SPECIFICATIONS DIVISIONS

1. Revised Notice to Bidders– Add the attached in its entirety.
2. UNC Charlotte Residence Hall Phase 16 “Good Faith Effort” Requirements– Add the attached in its entirety.
3. Revised Form of Proposal – Add the attached in its entirety.
4. Section 012300 – Alternates – Replace in its entirety with the attached revised section.
5. Section 015000 Temporary Facilities and Controls – Replace in its entirety with the attached revised Section.

DRAWING SHEETS:

1. Revised sheets C-200, C-300, C-500, C-600, C-601, C-602, C-603, C-604
2. New sheet C-201

RESPONSES TO EMAIL QUESTIONS (NOTE: QUESTIONS AND RESPONSES ARE INCLUDED HERE ONLY IF THEY ARE NOT RESPONDED TO ELSEWHERE IN THIS ADDENDUM):

1. The Unit Masonry specification, 042000-Part 1.4-F requires NC Masonry Contractors Association (NCMCA) certification for all masons bidding the project. Unfortunately, like many organizations, NCMCA has not offered certification classes in over a year due to “pandemic concerns” – see attached letter. For this reason, we have several qualified masons not be able to get certified recently. Due to this information, can the NCMCA certification be waived for this project OR add the option for the mason to provide proof of successful completion of similar-sized projects?

RESPONSE: We spoke at length with NCMCA regarding this question. Certification classes have re-started and have been available since 2006. NCMCA certification remains as part of the project requirements.

2. Cast Stone specification 047200, Part 1.3-B – Will APA certification be accepted in addition to Cast Stone Institute?

RESPONSE: APA certification is not acceptable as an alternative to Cast Stone Institute requirements.

3. Cast Stone specification 047200, Part 1.4-D – Part E is referenced here but Part E does not exist.

RESPONSE: In article 1.4 D, correct the reference to Article 1.4, Para. E to “Article 1.3, Para. E.

4. Cast Stone specification 047200, Part 2.1-B – Will Muller Mixer be required?

RESPONSE: In Part 2.1 B, delete everything in the last sentence after the word ‘permitted.

5. Alternate 18 - Are we to price this for Floors 1-4 or do we also include Floor 5?

RESPONSE: See revised section 012300 – Alternated and revised Form of Proposal included as part of this Addendum.

6. Alternates 1 thru 5, confirm that Owner will furnish and install flooring under these options?

RESPONSE: See revised section 012300 – Alternated and revised Form of Proposal included as part of this Addendum.

7. Alternates 2 thru 5, we do not find the specific rooms listed for these Alternates on the plans? Please advise.

RESPONSE: The room numbers associated with the base bid are found on 100 series Architectural sheets. The room numbers for the Alternates are on 400 series Architectural sheets.

8. Alternate 5, confirm this is to be priced to base bid requirements, price will not include any of revisions in Alternates 6, 7, 9, 12, 12A, 13, 14, 16, and 17.

RESPONSE: Correct. Bids for Alternate 5 will be provided to base bid requirements.

9. On Sheet C-400 new utility lines (water and sewer) are shown crossing Sanford Hall Lane. Please indicate demolition and patching for these lines on C-200 and C-300.

RESPONSE: See revised civil sheets included in this Addendum.

10. In the Storm Drainage Schedule on C-500, some of the pipe scheduled is located between two existing structures but is shown on the schedule as new pipe (not labeled as “EX”) -i.e. piping between structures EXCB 10, EXCB 12, EXMH 15 and EXCB13A, EXMH 15, EXMH 17. This piping also is shown on C-200 as existing. Please clarify this piping is existing on the schedule.

RESPONSE: See revised civil sheets included in this Addendum

11. Is York/JCI an approved manufacturer to bid the Custom ERV units?

RESPONSE: We cannot evaluate this request without a properly documented substitution request. See section 016000 and the Instructions to Bidders include in the Project Manual for requirements for substitutions. All RFI’s and Requests for Substitutions must be submitted to the Designer through bidding GC’s.

12. Is York/JCI an approved manufacturer to bid the VRF and ductless split unit equipment?

RESPONSE: We cannot evaluate this request without a properly documented substitution request. See section 016000 and the Instructions to Bidders included in the Project Manual for requirements for substitutions. All RFI's and Requests for Substitutions must be submitted to the Designer through bidding GC's.

End of ADDENDUM No. 2

Attachments:

- Revised Notice to Bidders
- UNC Charlotte Residence Hall Phase 16 Good Faith Effort Requirements
- Revised Form of Proposal
- Revised section 012300- Alternates
- Revised section 015000 – Temporary Facilities and Controls
- Revised sheets C-200, C-300, C-500, C-600, C-601, C-602, C-603, C-604
- New sheet C-201

NOTICE TO BIDDERS

Sealed bids will be received by the University of North Carolina at Charlotte in Charlotte, NC, up to **2:00 p.m. Thursday, September 23, 2021** in Room 208 of the Cone University Center (#5 on the campus map – <http://facilities.uncc.edu/maps>) on the UNC Charlotte campus and immediately thereafter publicly opened and read for the furnishing of labor, material and equipment for the:

Residence Hall Phase 16 SCO ID# 18-18333-02E

The project consists of a new Residence Hall of 6 floors and approximately 147,000 sq. ft. The building will include student sleeping units in traditional double configuration along with three apartments, housing offices, study and recreational lounges, public kitchen, laundry and bathrooms. The building will also include classroom space and utility and accessory spaces for Housing and Residence Life operations. The project will be designed and constructed utilizing the Green Globes Rating/Certification Assessment program developed and administered by Green Building Initiative.

Visitor parking is available across from the Cone University Center in Cone Deck 1 & 2.

Bids will be received for Single-Prime contract from licensed General Contractors only.
Attendance at the Pre-bid meeting is a requirement for submitting a bid.

All proposals shall be lump sum.

FACE COVERINGS ARE REQUIRED IN ALL INDOOR SPACES AT UNC CHARLOTTE

Pre-Bid Meeting

A **mandatory** Pre-bid meeting for all interested single prime General Contractors will be held at **2:00 p.m. Tuesday, August 31, 2021** in Room 210, Cone University Center (Building #5 on the campus map – <http://facilities.uncc.edu/maps>) on the UNC Charlotte campus. Visitor parking is available across from the Cone University Center in Cone Deck 1 & 2. The meeting will address **Owner-preferred alternates**, project specific questions, issues, bidding procedures and bid forms. A site visit will also be conducted immediately following the meeting.

This meeting is open to the public and minority and small business firms are encouraged to attend.

Complete plans, specifications and contract documents will be open for inspection at the following:

1. Jenkins Peer Architects, 112 South Tryon Street, Suite 1300, Charlotte, NC 28284, Phone: (704) 372-6665
- ~~2. Owner – UNC Charlotte, Facilities Management/Campus Police Building (#55A/B on the campus map – <http://facilities.uncc.edu/maps>) 2nd floor – Planning, Design and Construction (PDC), 9151 Cameron Blvd, Charlotte, NC 28223, Phone: (704) 687-0615~~

Digital copies of the plans, specifications and contract documents will be available at the following:

- Jenkins-Peer Architects, Thom Tonetti at ttonetti@jenkinspeer.com
- Construct Connect at content@constructconnect.com, (800) 364-2059
- North Carolina Offices of Dodge Data & Analytics (formerly McGraw-Hill Construction) (800) 393-6343 – <http://construction.com/dodge>
- Metrolina Minority Contractors Association (MMCA), mmca@mmcaofcharlotte.org.
- Richa Graphics Plan Room: <https://planroom.richa.com/pnonline/index.asp>

Hard copies of the design documents can also be obtained for a refundable deposit of Two Hundred Fifty Dollars (\$250.00) in cash or by certified check per set. Deposit fee will be returned upon receipt of a clean set of documents in good condition within ten (10) days after bid date. Contact Thom Tonetti at ttonetti@jenkinspeer.com for instructions to obtain hard copies.

NOTE: The bidder shall include with the bid proposal the form *Identification of Minority Business Participation* identifying the minority business participation it will use on the project and shall include either *Affidavit A* or *Affidavit B* as applicable. Forms and instructions are included within the Proposal Form in the bid documents. Failure to complete these forms is grounds for rejection of the bid. (GS143-128.2c Effective 1/1/2002.)

All contractors and sub-contractors are hereby notified that they must have proper license as required under the state laws governing their respective trades.

General contractors are notified that Chapter 87, Article 1, General Statutes of North Carolina, will be observed in receiving and awarding general contracts. General contractors submitting bids on this project must have license classification for Building Contractor – Unlimited.

Each proposal shall be accompanied by a cash deposit or a certified check drawn on some bank or trust company, insured by the Federal Deposit Insurance Corporation, of an amount equal to not less than five percent (5%) of the proposal, or in lieu thereof a bidder may offer a bid bond of five percent (5%) of the bid executed by a surety company licensed under the laws of North Carolina to execute the contract in accordance with the bid bond. Said deposit shall be retained by the owner as liquidated damages in event of failure of the successful bidder to execute the contract within ten days after the award or to give satisfactory surety as required by law.

A performance bond and a payment bond will be required for one hundred percent (100%) of the contract price.

Payment will be made based on ninety-five percent (95%) of monthly estimates and final payment made upon completion and acceptance of work.

No bid may be withdrawn after the scheduled closing time for the receipt of bids for a period of **90** days.

The owner reserves the right to reject any or all bids and to waive informalities.

Bidders who will not attend the Bid Opening need to ensure their sealed bids are delivered **no later than 1:00 p.m.** September 23, 2021 to the following:

Mailed Proposals:

Attn: Ms. Joyce Clay – Planning, Design and Construction
The University of North Carolina at Charlotte
Facilities Management – Planning, Design & Construction

9201 University City Blvd.
Charlotte, NC 28223-0001
(704) 687-0615

OR

Hand-Delivered:

Attn: Ms. Joyce Clay – Planning, Design and Construction
The University of North Carolina at Charlotte
Facilities Management/Campus Police Building
2nd Floor – Planning, Design and Construction
9151 Cameron Blvd.
Charlotte, NC 28223
(704) 687-0615

Designer:

Jenkins Peer Architects
112 S Tryon St, Ste. 1300
Charlotte, NC 28284
704-372-6665

Owner:

University of North Carolina at Charlotte
9201 University City Blvd
Charlotte, NC 28223-0001
704-687-0615

UNC Charlotte
Residence Hall Phase 16
“Good Faith Effort” Requirements

This information is provided as a guide for firms who may be new to UNC Charlotte and may not be familiar with our expectations regarding minority business participation on University Managed Projects (UMP) projects. Bidders should be familiar with the ***Guidelines for Recruitment & Selection of Minority Businesses for Participation in State Construction Contracts*** as well as the applicable bid forms.

The aspirational minority participation goal for this project is twenty percent (20%) or higher.

Bidders should attempt to include and contact at least one (1) minority firm within each scope of work they will be soliciting quotes for.

Identification of HUB Certified/Minority Business Participation form – Only list minority firms that you will use as construction subcontractors, vendors, suppliers or professional service providers on this project. The bidder *cannot* list himself on this form as he cannot subcontract to himself. **Note:** This form must be submitted with your bid. As a minimum, the Company name must be listed at the top of the form and **\$ Zero** is listed in the field at the bottom of the page. Bidder’s do not have to list the name of the minority firms they plan on using on this form.

Affidavit A – Listing of Good Faith Efforts – the bidder is certifying that he has made a good faith effort to comply under those areas checked on the form. Do not check a Good Faith Effort item unless you can provide the following;

1. Contacting minority businesses that reasonably could have been expected to submit a quote and that were known to the contractor or available on State or local government-maintained lists **at least 10 days before the bid or proposal date** and notifying them of the nature and scope of the work to be performed.
Example: Copies of written (emailed or faxed) notification to minority businesses and copies of quotes/proposals received for work solicited to minority businesses. Notification should include, at a minimum, project location, location where plans and specifications may be obtained or viewed, list of the scopes of work for which subcontracts are being solicited, contact person within the prime contractor’s organization.
Be sure to maintain a telephone log to confirm that minority firms received your Invitation for Bid (IFB)/Request For Quotes (RFQ). The log should contain the date contacted, telephone number, and name of the individual representing the minority firm who acknowledged receipt of your IFB/RFQ. **Also maintain a telephone log to confirm that minority firms acknowledged a “bid/no bid” to your IFB/RFQ.** The log should contain the date contacted, telephone number, and name of the individual representing the minority firm who acknowledged “bid/no bid” to your IFB/RFQ.
2. Making the construction plans, specifications and requirements available for review by prospective minority businesses, or providing these documents to them at least 10 days before the bid or proposals are due.
Copies of written (emailed or faxed) notification to minority businesses should include, at a minimum, project location, location where plans and specifications may be obtained or viewed, list of the scopes of work for which subcontracts are being solicited, contact person within the prime contractor’s organization.
3. Breaking down or combining elements of work into economically feasible units to facilitate minority participation.
Document steps taken to segment elements of work into economically feasible units to meet minority business availability. Identify sub-contractors/suppliers/consultants and scopes of work involved in segmenting.

Be sure that you are soliciting quotes from **at least three (3) minority firms** in scopes of work that typically have adequate numbers of minority firms available that can perform the work required (hauling, concrete, flooring, masonry, painting, electrical suppliers, etc.). Do not solicit quotes from minority firms in those scopes of work that typically do not have minority firms available that can perform the work required (elevators, fire suppression systems, roofing, etc.). If there are minority firms that you typically use on your projects then by all means, feel free to use them, if you are sure you are receiving reasonable pricing and quality work.

4. Working with minority trade, community or contractor organization identified by the Office for Historically Underutilized Businesses (HUB) and included in the bid documents that provide assistance in the recruitment of minority businesses. **Note 1:** Posting of your bid to Minority plan rooms does not satisfy this requirement. **Note 2:** Working with the UNC Charlotte HUB Coordinator does not satisfy this requirement.

Be able to provide a copy of meeting minutes and/or emails between the prime contractor and minority trade, community or contractor organization. At minimum the following topics should be discussed/reviewed during the meeting: project location; location where plans and specifications may be obtained or viewed; scopes of work for which subcontracts are being solicited; bonding requirements; insurance requirements; prime contractor's contact person; minority trade, community or contractor organization contact person; strategies to segment elements of the work into economically feasible units to meet minority business availability; strategies to increase minority business utilization through joint ventures and/or partnerships.

Maintain a copy of the request, and have the date, telephone number and name of the individual who acknowledged receipt of your request and information regarding any/all assistance provided by the organization

5. Attending any pre-bid meetings scheduled by the public owner.
Attendance will be verified by conference sign-in sheet.
6. Providing assistance in getting required bonding or insurance or providing alternatives to bonding or insurance for subcontractors.
Have documentation describing the type of assistance provided or offered to minority businesses. Provide names and contacts of minority businesses to which assistance was offered and names of the contact person of bonding companies or financial institutions offering assistance.
Be sure to mention that 'assistance with bonding and/or insurance will be provided' in your IFB/RFQ.
7. Negotiating in good faith with interested minority businesses and not rejecting them as unqualified without sound reasons based on their capabilities. Any rejection of a minority business based on lack of qualification should have the reasons documented in writing.
Document the number of bids received from minority businesses in the trade or scopes of work for which subcontracts are being solicited, the number of minority businesses that submitted low bids or proposals, the number of minority businesses the bidder has offered to negotiate prices or services, and the number of minority businesses the bidder has agreed to utilize on the project, outline steps taken.
8. Providing assistance to an otherwise qualified minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letters of credit, including waiving credit that is ordinarily required or assisting minority businesses in obtaining the same unit pricing with the bidder's supplier.
Document names, addresses and telephone numbers of minority businesses to which assistance was offered, outline steps taken. Give dates assistance was offered and document outcome.
Be sure to mention that 'assistance with equipment, loan capital, lines of credit or joint pay agreements to secure loans, supplies, or letters of credit will be provided' in your IFB/RFQ.

9. Negotiating joint venture and partnership arrangements with minority businesses in order to increase opportunities for minority business participation on a public construction or repair project when possible. Provide a copy of joint venture or partnership arrangements between bidder and minority businesses.
10. Providing quick pay agreements and policies to enable minority contractors and suppliers to meet cash-flow demands.

Be sure to mention that 'quick pay agreements will be provided to assist contractors with cash-flow demands' in your IFB. Do not include stipulations that require the contractor to prove they need the quick pay. Net 30 or 45 is not quick pay.

Be able to provide a copy of quick pay agreements and/or policies and document the number of minority businesses that will utilize the quick pay agreement. Provide a copy of the quick pay agreement signed between bidder and minority businesses.

Quick Pay will be paid whether or not the bidder has been paid or the Owner has approved the minority subcontractor's work.

Note: Referencing the Good Faith Efforts listed above in your IFB is not enough. You must be able to document your efforts.

Affidavit B – Intent to Perform Contract with Own Workforce – In making this certification the bidder is stating that he does not customarily subcontract elements of this type project and normally performs and has the capability to perform and will perform all elements of the work on this project with his own current workforce. The bidder agrees to make a Good Faith Effort to utilize minority suppliers where possible. **“Self-performing”** means the contractor has all equipment, personnel and supplies on hand to perform the contract. If the contractor needs to purchase supplies or rent equipment and operators to perform the work, then the contractor **is not** self-performing and should make efforts to purchase supplies or equipment, or temporary labor from minority firms. **Note:** No other Affidavits are required if the bidder meets this criteria.

Affidavit C – Portion of the Work to be Performed by HUB Certified/Minority Businesses – This form is to be submitted only by the apparent lowest responsible, responsive bidder with equal to or greater than 10% minority participation.

Affidavit D – Good Faith Efforts – This form is to be submitted only by the apparent lowest responsible, responsive bidder with less than 10% minority participation along with their backup documentation. **Note:** Backup documentation will be provided for any Good Faith Effort item indicated on the bidder's Affidavit A form.

Minority-owned Pre-qualified Bidders – **must also** meet the minority participation goals set for the project. Work performed by the minority-owned pre-qualified bidder will be counted towards the minority participation goal **only if** the minority contractor is **self-performing** and submitted Affidavit B.

Certification Requirements – Ensure the minority firms you contact for subcontracting opportunities are listed in the Statewide Uniform Certification (SWUC) Vendor database as **only firms** listed in the SWUC Vendor database, at the time of contract award, **will be counted** towards the minority participation goal for this project. Go to <https://www.ips.state.nc.us/Vendor/searchvendor.aspx?t=h> for access to the SWUC Vendor database.

Assistance:

Email the UNC Charlotte HUB Coordinator, Dorothy Vick (704-687-0527), **no later than 12:00 Noon Wednesday, September 8, 2021** to divick@uncc.edu (**Email Subject: Residence Hall Phase 16**) for the following;

1. **Assistance in finding certified minority firms who have worked on UNC Charlotte projects and who can perform the scopes of work (site work, concrete, electrical, etc.) you are seeking, and/or**
2. **A list of minority trade, community or contractor organizations** identified by the Office for Historically Underutilized Businesses that provide assistance in the recruitment of minority businesses.

FORM OF PROPOSAL

Residence Hall Phase 16

University of North Carolina at Charlotte
18-18333-02E

Contract: General Construction
Bidder: _____
Date: _____

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 further declares that he and his subcontractors have fully complied with NCGS 64, Article 2 in regards to E-Verification as required by Section 2.(c) of Session Law 2013-418, codified as N.C. Gen. Stat. § 143-129(j).

The Bidder proposes and agrees if this proposal is accepted to contract with the

State of North Carolina through the University of North Carolina at Charlotte

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 abatement and complete building demolition of Moore Hall on the UNC Charlotte campus to allow construction of the new Phase 16 Residence Hall.

in full in complete accordance with the plans, specifications and contract documents, to the full and entire satisfaction of the State of North Carolina, and the University of North Carolina at Charlotte and Jenkins Peer Architects 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, for the sum of:

SINGLE PRIME CONTRACT:

Base Bid: _____ Dollars(\$)

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.

UNIT PRICES

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 all in accordance with the contract documents.

GENERAL CONTRACT:

Unit Price No. 1: Trench Rock Excavation and Replacement with Fill: Removal and disposal including replacement with borrowed suitable material as specified in Section 312000 per cu. yd.

Unit Price (\$)_____

Unit Price No. 2: Mass Rock Removal and Replacement with Fill: Removal and disposal including replacement with borrowed suitable material as specified in Section 312000 per cu. yd.

Unit Price (\$)_____

Unit Price No. 3: Unsuitable Soil Removal and Replacement with Fill: Removal and disposal including replacement with borrowed suitable material as specified in Section 312000 per cu. yd.

Unit Price No. 4: Exit signs. Provide unit price to include device, 100 ft. of conduit and conductors and all associated labor.

Unit Price (\$)_____

Unit Price No. 5: Electrical Outlets: Provide unit price to include 20 A circuit, device, breaker, 100 ft. of conduit and conductors and all associated labor..

Unit Price (\$)_____

Unit Price No. 6: Data Outlets: Provide unit price to include device, 100 ft. of conduit and cable and all associated labor.

Unit Price (\$)_____

Unit Price No. 7: Moisture Mitigation: Provide unit price to provide concrete slab moisture mitigation to 1 SF of surface in accordance with specification section 09 05 61

Unit Price (\$)_____

ALTERNATES:

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "added to" or "deducted from" the base bid. (Strike out "Add" or "Deduct" as appropriate.)

GENERAL CONTRACT:

Alternate No. 1 – Build out the full extent of Level 5 **including costs for all related flooring and base.**

(Add) *(Deduct)* _____ Dollars(\$)

Alternate No. 2 – Build out the entirety of Apartment 176 (One-bedroom suite) **including costs for all related flooring and base.**

(Add) *(Deduct)* _____ Dollars(\$)

Alternate No. 3 – Build out the entirety of Apartment 161 (Two-bedroom suite) **including costs for all related flooring and base.**

(Add) *(Deduct)* _____ Dollars(\$)

Alternate No. 4 – Build out the entirety of Apartment 165 (Three-bedroom suite) **including costs for all related flooring and base.**

(Add) *(Deduct)* _____ Dollars(\$)

Alternate No. 5 – Build out the entirety of Classroom 055, Lobby COR008, and associated spaces **including costs for all related flooring and base.**

(Add) *(Deduct)* _____ Dollars(\$)

Alternate No. 6 – Cast Iron Plumbing Waste Pipe: Provide service weight cast iron no-hub pipe and fittings (CISPI 310) with neoprene gasket/stainless steel clamp joints (ASTM C1540-15) in lieu of base bid PVC pipe and fittings. See sheet P-001.

(Add) *(Deduct)* _____ Dollars(\$)

Alternate No. 7 – Provide type “L” hard drawn seamless copper tubing (ASTM B 88 and cast copper alloy fittings (ASME B16.18) Joints 1” and smaller shall be lead tin/silver solder joints (ASTM B 32). Joints 1-1/4” and larger shall be BCUP silver/phosphorous/copper brazed joints (AWS5.8) in lieu of base bid CPVC. See sheet P-001.

(Add) *(Deduct)* _____ Dollars (\$)

Alternate No. 8: NOT USED

Alternate No. 9: Provide solid surface countertops at all public restrooms in lieu of base bid plastic laminate tops.

(Add) *(Deduct)* _____ Dollars (\$)

Alternate No. 10: Lightning Protection per specification section 26 41 13 and sheets E-001 and E-206

(Add) *(Deduct)* _____ Dollars (\$)

Alternate No. 11: Generator Load Bank System – Mobile generator load bank system in lieu of base bid static load bank. See sheets E-001, E-100 and E-703.

(Add) *(Deduct)* _____ Dollars (\$)

Alternate No. 12: Provide cylindrical locks as specified. Base bid is Owner provides and installs cylindrical locks (and cylinders). All other finish hardware is base bid. (Cylinders are provided and installed by Owner in base bid and alternate).

(Add) *(Deduct)* _____ Dollars (\$)

Alternate No. 12A (Owner Preferred): Provide the following door hardware in lieu of approved equals:

Sargent exit devices.

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 13 (Owner Preferred): Provide fire alarm system by Simplex in lieu of other approved equals per specification section 28 31 11 and sheet E-001.

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 14 (Owner Preferred): Provide telecommunications system using only those materials listed in Specifications division 27 in lieu of all other specified manufacturers. See also sheet E-001.

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 15 (Owner Preferred): Provide English Edge Pavers by Pine Hall in lieu of all other paver manufacturers specified in Section 32 14 00.

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 16: (Owner Preferred): Provide Open Options for access control per specification section 281300 and sheet E-001.

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 17: Provide cultured marble window sills in lieu of base bid abuse-resistant gypsum board.

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 18: Provide all flooring and associated base as shown on the drawings and specified in sections 093000, 096500, 096800, and 096813. Base bid is Owner furnishes and installs all flooring. (Wall tile and all areas of sealed concrete floor treatment are included in base bid) **(Costs for flooring and base for Alternates 1 thru 5 shall be included as part of those alternates individually and NOT as part of Alternate 18.)**

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 19A (Owner Preferred): Controls by JCI-FX BACNET

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 19B (Owner Preferred): Controls by Schenider Electric

(Add) *(Deduct)* _____ Dollars (\$) _____

Alternate No. 20: Provide PEX piping for 2" diameter and smaller pipes in lieu of base bid CPVC

(Add) *(Deduct)* _____ Dollars (\$) _____

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 23. Applicable liquidated damages amount is also stated in the Supplementary General Conditions Article 23.

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.

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.

Respectfully submitted this day of _____

(Name of firm or corporation making bid)

WITNESS:

(Proprietorship or Partnership)

By: _____
Signature

Name: _____
Print or type

Title _____
(Owner/Partner/Pres./V.Pres)

Address _____

ATTEST:

By: _____

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

License No. _____

Federal I.D. No. _____

Email Address: _____

(CORPORATE SEAL)

Addendum received and used in computing bid:

Addendum No. 1 ____ Addendum No. 3 ____ Addendum No. 5 ____ Addendum No. 6 ____

Addendum No. 2 ____ Addendum No. 4 ____ Addendum No. 6 ____ Addendum No. 7 ____

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Alternate submission procedures.
- B. Documentation of changes to Contract Sum and Contract Time.

1.2 RELATED REQUIREMENTS

- A. Instructions to Bidders and General Conditions of the Contract (OC-15): Instructions for preparation of pricing for alternates.
- B. Bid Forms: List of alternates on the Bid Form.

1.3 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each alternate
- C. Proposed cost of each Alternate is turnkey and includes all material, labor, overhead, profit, freight etc. No additional costs will be accepted for any accepted alternate other than the cost included on the bid form.

1.4 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Build out the full extent of Level 5. **Include costs to provide all flooring and base.**
- B. Alternate No. 2: Build out the entirety of Apartment 176 (One-bedroom suite). **Include costs to provide all flooring and base.**
- C. Alternate No. 3: Build out the entirety of Apartment 161 (Two-bedroom suite). **Include costs to provide all flooring and base.**
- D. Alternate No. 4: Build out the entirety of Apartment 165 (Three-bedroom suite). **Include costs to provide all flooring and base.**
- E. Alternate No. 5: Build out the entirety of Classroom 055, Lobby COR008, and associated spaces. **Include costs to provide all flooring and base.**
- F. Alternate No. 6 – Cast Iron Plumbing Waste Pipe: Provide service weight cast iron no-hub pipe

and fittings (CISPI 310) with neoprene gasket/stainless steel clamp joints (ASTM C1540-15) in lieu of base bid PVC pipe and fittings. See sheet P-001.

- G. Alternate No. 7: Provide type “L” hard drawn seamless copper tubing (ASTM B 88 and cast copper alloy fittings (ASME B16.18) Joints 1” and smaller shall be lead tin/silver solder joints (ASTM B 32). Joints 1-1/4” and larger shall be BCUP silver/phosphorous/copper brazed joints (AWS5.8) in lieu of base bid CPVC. See sheet P-001.
- H. Alternate No. 8: **NOT USED**
- I. Alternate No. 9: Provide solid surface countertops at all public restrooms in lieu of base bid plastic laminate tops.
- J. Alternate No. 10: Lightning Protection per specification section 26 41 13 and sheets E-001 and E-206
- K. Alternate No. 11: Generator Load Bank System – Mobile generator load bank system in lieu of base bid static load bank. See sheets E-001, E-100 and E-703.
- L. Alternate No. 12: Provide cylindrical locks as specified. Base bid is Owner provides and installs cylindrical locks (and cylinders). All other finish hardware is base bid. (Cylinders are provided and installed by Owner in base bid and alternate)
- M. Alternate No. 12A (Owner Preferred): Provide the following door hardware in lieu of approved equals:

Sargent exit devices.
- N. Alternate No. 13 (Owner Preferred): Provide fire alarm system by Simplex in lieu of other approved equals per specification section 28 31 11 and sheet E-001.
- O. Alternate No. 14 (Owner Preferred): Provide telecommunications system using only those materials listed in Specifications division 27 in lieu of all other specified manufacturers. See also sheet E-001.
- P. Alternate No. 15 (Owner Preferred): Provide English Edge Pavers by Pine Hall in lieu of all other paver manufacturers specified in Section 32 14 00.
- Q. Alternate No. 16 (Owner Preferred): Provide Open Options for access control per specification section 281300 and sheet E-001.

- R. Alternate No. 17: Provide cultured marble window sills in lieu of base bid abuse-resistant gypsum board.
- S. Alternate No. 18: Provide all flooring and associated base as shown on the drawings and specified in sections 093000, 096500, 096800, and 096813. Base bid is Owner furnishes and installs all flooring. (Wall tile and all areas of sealed concrete floor treatment are included in base bid) **(Costs for flooring and base for Alternates 1 thru 5 shall be included as part of those alternates individually and NOT as part of Alternate 18.)**
- T. Alternate No. 19A (Owner Preferred): Controls by JCI-FX BACNET
- U. Alternate No. 19B (Owner Preferred): Controls by Schneider Electric
- V. Alternate No. 20: Provide PEX piping for 2" diameter and smaller pipes in lieu of base bid CPVC

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION - NOT USED

END OF SECTION 01 23 00

SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Temporary Controls: Barriers and fencing.
- B. Stairs, ramps, scaffolding and ramps.
- C. Vehicular access and parking.
- D. Waste removal facilities and services.
- E. Project identification sign.
- F. Field offices.
- G. Toilet facilities
- H. Working Hours

1.2 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public and to protect existing facilities and adjacent properties from damage from construction operations.
- B. Provide barricades required by for public rights-of-way.
- C. Protect non-owned vehicular traffic, stored materials, site, and structures from damage.

1.3 FENCING

- A. The General Contractor shall provide a suitable construction fence around work area within contract limits, located so as to permit sufficient area for storage of materials and conduct of work by all trades.
 - 1. The GC shall coordinate with Federal Rent A Fence – (800-260-8301; contact – Charlie Byrd) to assume responsibility and contractual rental obligations for site perimeter construction fence and temporary pedestrian route fencing and barricades around South Village Dining Hall.that are currently in use. GC shall modify fence and associated installations as needed to comply with requirements indicated in the Contact Documents for this project.

- 2. GC shall add fencing and gate at Lot 8A per the drawings. Fencing shall be removed**

at the end of the project and the lot will be returned to its pre-existing condition at Project Acceptance.

- B. Materials and methods of fence construction shall be adequate to provide for the safety and security of the project site and shall be the General Contractor's responsibility to select; however as a minimum standard, fence shall be chain link type, minimum six feet high, consisting of 9 gauge wire fabric supported on posts set firmly in the ground at 10 feet o.c. minimum and a top rail. Provide gates as required. The University will provide the General Contractor with a gate lock and keys for the site fence. No barbed wire will be permitted.
- C. Screening: Provide screening over all chain link fencing as approved by the Architect and the University.
- D. Remove and relocate fence when it interferes with the work of any trade.
- E. Keep gates closed at all times and locked during non-working hours. Owner shall be given copy of key to gate.

1.4 WATER CONTROL AND USAGE

- A. The General Contractor or each subcontractor, as the case may be, shall provide water control for all work performed under the contract. Furnish all labor and necessary equipment and provide all necessary products for the temporary control of surface water and seepage water during construction. Furnish and operate pumps and other equipment required to keep all excavations, pits, and trenches free from water at all times. Dikes and ditches shall be constructed around excavations and elsewhere as necessary to prevent surface water from flooding the excavations or standing in areas adjacent to excavations, in work areas or in product storage areas. The GC shall take all necessary precautions to protect adjacent areas and properties from damage. He shall not divert water onto adjacent areas and properties at points other than that which would be considered the natural flow, prior to construction, without the expressed consent of the Owner in writing with a copy to Architect. He shall take steps to prevent the erosion of soil, earth and other material and the conduction of the eroded materials onto adjacent properties, and shall be responsible for the removal of such materials, the restoration of adjacent areas to their original condition, and at the proper time, the removal of all water control means and methods.
- B. Water Service: The Owner shall pay for water service use charges for water used by all entities for construction operations.

1.5 STAIRS, RAMPS, SCAFFOLDING AND HOISTS

- A. Each subcontractor shall provide and maintain temporary scaffolding, ramps, and runways as required.
- B. Hoisting of materials and equipment shall be provided by the contractor requiring such hoisting.
- C. All apparatus, equipment, and construction included in this article shall be in accordance with all applicable state and local laws.

- D. The GC shall provide roof protection as necessary where scaffolds and chutes are used.

1.6 VEHICULAR ACCESS AND PARKING

- A. Coordinate access and haul routes with governing authorities and Owner.
- B. Provide and maintain access to fire hydrants, free of obstructions.
- C. Provide temporary parking areas to accommodate construction personnel. When site parking is not available, contractor employees will park vehicles in parking lots designated by University of North Carolina at Charlotte.
- D. Contractors shall park within the limits of the construction site, at Starlight Theater or at Lot 6 (summer months only with pass provided by University).
- E. The cost of parking for all construction vehicles is the responsibility of the contractor(s).

1.7 TREE AND PLANT PROTECTION

- A. GC and sub-contractors are hereby reminded and cautioned that care shall be exercised to protect trees and plants, which are to remain during the progress of the Project. Suitable barriers shall be provided around all trees and plants that are to remain and which are in the construction area and product handling area. All damage to such trees and plants shall be repaired; broken limbs properly and neatly pruned and painted with pruning paint; all trunk damage neatly dressed and painted with pruning paint. Any trees and plants which are excessively damaged shall be replaced in like, kind, size, and species by the GC at no additional cost. All work shall be by a recognized and approved nursery.
- B. All grading around trees and plants to remain shall be such that the root system shall not be disturbed. Earth shall not be temporarily piled around trees and plants, nor shall earth be graded to the trees and plants above the natural root depth for that particular species.
- C. Established trees and plants, which are in the way of construction and which are in the material handling areas, shall be removed and stored for future replanting. The services of a recognized and approved nursery shall be employed to remove the trees and plants and prepare them for storage. Removed trees and plants shall be properly balled and burlapped in accordance with their size. During the time of storage, they shall be properly watered and cared for in accordance with the instructions from the nursery. After the construction work is completed, the stored trees and plants shall be replanted, and those trees and plants not replanted shall be disposed of as directed by the Owner.

1.8 ACCESS ROADS AND PARKING AREAS

- A. The GC shall provide and maintain for the duration of the Contract, a graded and graveled site access road within the boundaries of construction limits for the use of himself, his subcontractors, his product suppliers as the case may be. Additional access ways shall be furnished and maintained to the product storage areas and the work itself. All access roads and

ways shall be properly maintained for passage during all weather conditions while work is being performed.

- B. Additional access roads and parking areas shall be furnished and maintained during all weather conditions for the use of the Owner, Owner's visitors, and other persons and services having proper business at the Project until permanent roads and parking areas are provided.
- C. Should access roads not be located for permanent roads, they shall be removed, prepared for grassing, and grassed. Otherwise, they shall be prepared for permanent roads.
- D. Coordinate access and haul routes with governing authorities and Owner. **The GC shall be responsible for traffic control to ensure the safety of all vehicular and pedestrian traffic in the area and for coordinating deliveries and construction traffic around the University's operations and personnel. Provide flagmen, barricades, temporary gates and all other means of traffic control necessary. See section 011000 for requirements for submittal of traffic control plan.**
- E. Provide and maintain access to fire hydrants, free of obstructions.
- F. The GC shall be responsible for keeping streets and surrounding sidewalks free from mud, dirt and debris at all times and shall remove the aforementioned from streets and sidewalks daily or as often as necessary to keep streets clean. If the GC fails to keep streets clean and clear, the Owner may remove mud, dirt and debris or have it removed. The cost of this removal may be deducted from any amounts due or to become due to the GC.
- G. Provide and maintain temporary sidewalks, fences, or other structures required by law so as to not obstruct or interfere with traffic in public streets, walkways or private right-of-way. Leave an unobstructed way along public and private places for pedestrians and vehicles.
- H. Provide emergency egress from existing occupied areas at all times as required by authorities having jurisdiction. Maintain egress path in compliance with requirements of North Carolina State Building Code requirements.

1.9 WASTE REMOVAL

- A. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.
- B. Remove trash from site periodically.

1.10 PROJECT IDENTIFICATION

- A. A shop drawing of the project identification sign must be approved by the University prior to fabrication. No directional signs will be permitted without the University's permission. Contractors are not permitted to install any sign, anywhere on the site, off the site on University property, or on any equipment on the site, without explicit written approval of the Owner. See enclosed University project sign detail.

- B. Location of any sign shall be approved by the Owner. Should any sign be moved from its initial location, the new location shall be approved by the Owner. All signs shall be maintained by the project expeditor in first class condition throughout the Contract by repainting, repairing, and re-erecting as necessary and as required. Sign shall be fabricated as indicated on the attachment at the end of this Section.

1.11 FIELD OFFICE AND SHEDS

- A. Location of all temporary offices and storage sheds shall be approved by the Architect and owner.
- B. Storage Sheds shall be provided and maintained by the GC and/or subcontractors in accordance with the requirements of the Contract Documents. Open trailers and flat beds for materials storage are prohibited unless authorized in writing by the Owner.
- C. General Contractor's Field Office: The GC shall provide and maintain, as part of the Contract, a weathertight and secure office for his daily use and for meeting space. Office shall have lighting, electrical outlets, telephone and facsimile machine, heating, cooling and be equipped with sturdy furniture, drawing rack and drawing display table. Office shall have an illuminated and ventilated toilet room containing 1 water closet, 1 lavatory with mirror and a supply of toilet tissue, paper towels and liquid hand soap. The office shall be large enough for the GC's own use and for use as a coordination office to include meeting space with tables and chairs for 12 people. All utilities, supplies, cleaning, and maintenance shall be by the GC as part of the Work and at no additional cost. Provide telephone service as called for hereinbefore. All temporary offices and conference areas shall be smoke free.

1.12 FIRST AID KITS

- A. General Contractor and each Prime Subcontractor shall provide adequate provisioned first aid kits on the Project site for personnel employed by him and for the convenience of workmen employed by their Sub-subcontractors.

1.13 TOILET FACILITIES

- A. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

1.14 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, materials, prior to Final Acceptance.
- B. Remove underground installations to a minimum depth of 2 feet.
- C. Clean and repair damage caused by installation or use of temporary work.

1.15 WORKING HOURS

- A. Working hours while school is in session shall generally be from 8 a.m. to dusk. No noise-making activities may occur prior to 8 a.m. under any circumstances while school is in session.**
- B. Summer and holiday hours when school is not in session may be able to be extended after discussion and approval by UNC Charlotte.**
- C. The University will reserve the right to limit or disallow work activities or special events and activities such as graduation, exams etc.**

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION - NOT USED

END OF SECTION 01 50 00



UNC CHARLOTTE
Charlotte, NC
RESIDENCE HALL
PHASE XVI

TAG	DESCRIPTION	DATE
1	ADDENDUM 2	8/27/21

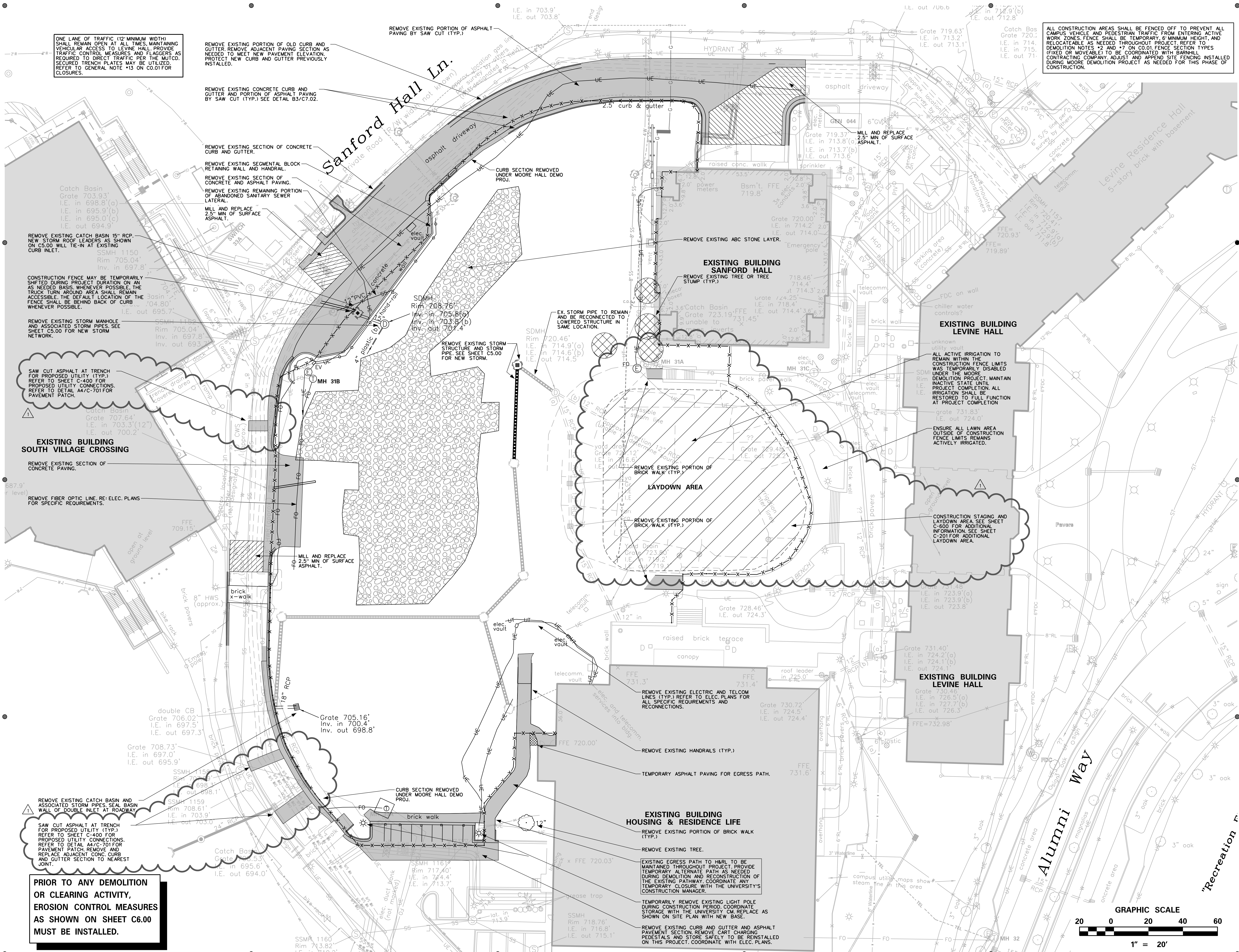
SCO ID: 18-18333-02E
JPA Project:
Drawn By:
Checked By:
Date:

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DEMOLITION PLAN

BID SET

C-200

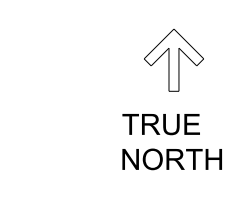
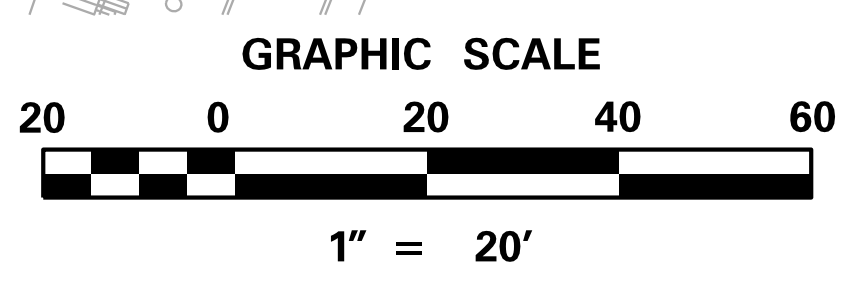


ALL CONSTRUCTION AREAS SHALL BE FENCED OFF TO PREVENT ALL CAMPUS VEHICLE AND PEDESTRIAN TRAFFIC FROM ENTERING ACTIVE WORK ZONES. FENCE SHALL BE TEMPORARY, 6' MINIMUM HEIGHT, AND RELOCATABLE AS NEEDED THROUGHOUT PROJECT. REFER TO DEMOLITION NOTES #2 AND #7 ON CO.01. FENCE SECTION TYPES (FIXED OR MOVABLE) TO BE COORDINATED WITH BARNHILL CONTRACTING COMPANY. ADJUST AND APPEND SITE FENCING INSTALLED DURING MOORE DEMOLITION PROJECT AS NEEDED FOR THIS PHASE OF CONSTRUCTION.

ONE LANE OF TRAFFIC (12' MINIMUM WIDTH) SHALL REMAIN OPEN AT ALL TIMES, MAINTAINING VEHICULAR ACCESS TO LEVINE HALL. PROVIDE TRAFFIC CONTROL MEASURES AND FLAGGERS AS REQUIRED TO DIRECT TRAFFIC PER THE MUTCD. SECURED TRENCH PLATES MAY BE UTILIZED. REFER TO GENERAL NOTE #13 ON CO.01 FOR CLOSURES.

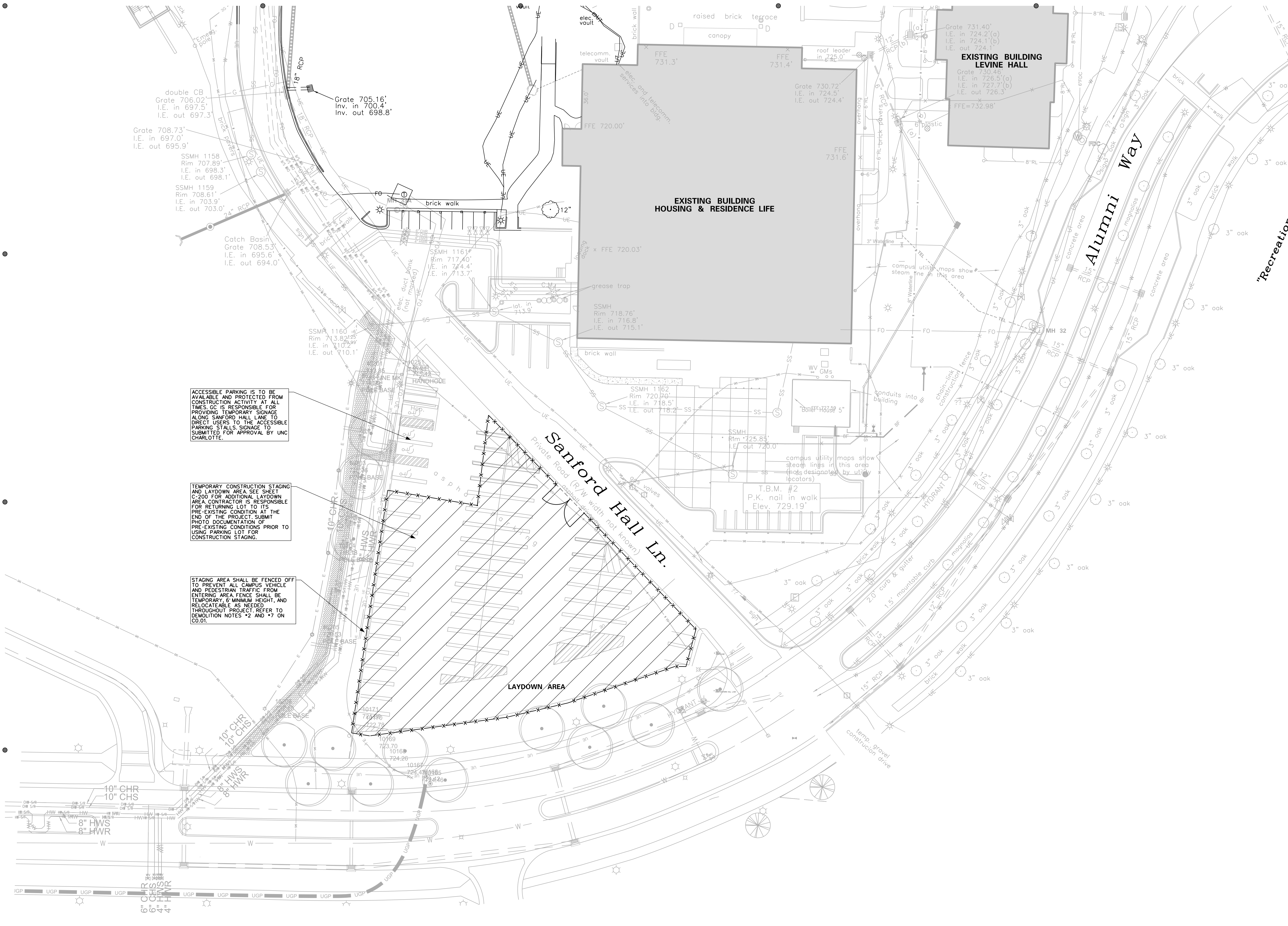
EXISTING BUILDING SOUTH VILLAGE CROSSING
REMOVE EXISTING SECTION OF CONCRETE PAVING.
REMOVE FIBER OPTIC LINE. RE: ELEC. PLANS FOR SPECIFIC REQUIREMENTS.

PRIOR TO ANY DEMOLITION OR CLEARING ACTIVITY, EROSION CONTROL MEASURES AS SHOWN ON SHEET C6.00 MUST BE INSTALLED.



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ACCESSIBLE PARKING IS TO BE AVAILABLE AND PROTECTED FROM CONSTRUCTION ACTIVITY AT ALL TIMES. GC IS RESPONSIBLE FOR PROVIDING TEMPORARY SIGNAGE ALONG SANFORD HALL LANE TO DIRECT USERS TO THE ACCESSIBLE PARKING STALLS. SIGNAGE TO BE SUBMITTED FOR APPROVAL BY UNC CHARLOTTE.

TEMPORARY CONSTRUCTION STAGING AND LAYDOWN AREA. CONTRACTOR IS RESPONSIBLE FOR RETURNING LOT TO ITS PRE-EXISTING CONDITION AT THE END OF THE PROJECT. SUBMIT PHOTO DOCUMENTATION OF PRE-EXISTING CONDITIONS PRIOR TO CONSTRUCTION STAGING.

STAGING AREA SHALL BE FENCED OFF TO PREVENT ALL CAMPUS VEHICLE AND PEDESTRIAN TRAFFIC FROM ENTERING AREA. FENCE SHALL BE TEMPORARY, 6' MINIMUM HEIGHT, AND RELOCATABLE AS NEEDED THROUGHOUT PROJECT. REFER TO DEMOLITION NOTES *2 AND *7 ON CD.01.

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SKA CONSULTING ENGINEERS, INC.
Structural Engineer
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 (t) 704/424-9663

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LANDDESIGN, INC.
Landscape Design
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 223 North Graham Street
 Charlotte, North Carolina 28202
 (t) 704/333.0325

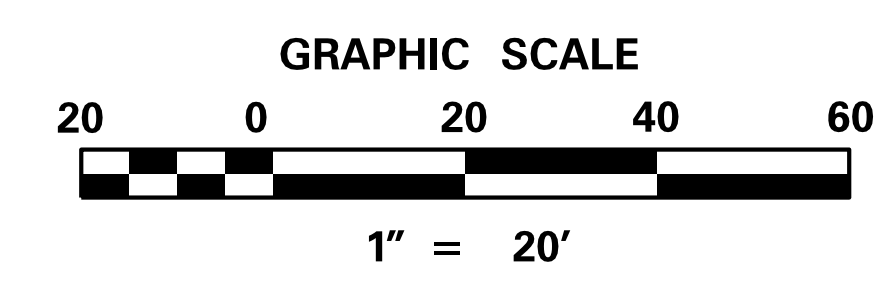


UNC CHARLOTTE
 Charlotte, NC
 RESIDENCE HALL
 PHASE XVI

TAG	DESCRIPTION	DATE
1	ADDENDUM 2	8/27/21

SCO ID: 18-18333-02E
 JPA Project:
 Drawn By:
 Checked By:
 Date:
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ADDITIONAL LAYDOWN AREA



TRUE NORTH

BID SET

C-201

27-AUG-2021 10:51
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SITE HORIZONTAL CONTROL:
REFER TO SHEET C100 FOR
SURVEY BENCHMARKS

SITE LEGEND

- BL BLUE LIGHT EMERGENCY PHONE
- SL STREET LIGHT POLE (PARKWAY LIGHTING)
- PL PEDESTRIAN SCALE LIGHT POLE (STYLE OPL1)
- BN BENCH PAD
- TR TRASH AND RECYCLING RECEPTACLES PAD
- FH FIRE HYDRANT
- PIV POST INDICATOR VALVE (FIRE SERVICE)
- FDC FIRE DEPARTMENT CONNECTION

NEW 4" THICK CONC.
APRON @ BLUE PHONE (C7.07)

NEW BITUMINOUS CONC.
PAVEMENT SECTION (C7.01)

30" CONC. CURB
AND GUTTER (C7.01)

HEAVY DUTY
CONC. PAVING (C7.01)

CROSSWALK MARKING (8"
125 MILS W/GLASS BEADS) (C7.02)

STANDARD H.C.
RAMP (C7.01)

RENF. MOUNTABLE
CURB (C7.01)

30" CONC. CURB
AND GUTTER (C7.01)

RAISED CROSSWALK SIGN
(BOTH APPROACHES) (C7.02)

CONC. PAVER
TRUCK PAD (C7.01)

HEAVY DUTY
CONC. PAVING (C7.01)

UTILITY TRENCH PAVEMENT
PATCH (TYP.) (C7.01)

**EXISTING BUILDING
SOUTH VILLAGE CROSSING**

NEW CURB AT EXIST.
ROADWAY (TYP.) (C7.02)

30" CONC. CURB
AND GUTTER (C7.01)

BRICK PAVER WITH 8"
GRAVEL BASE (TYP. @ B.O.C.) (C7.01)

MILL AND RESURFACE 2.5"
EXISTING PAVEMENT (C7.01)

PED. CROSSING SIGN
(BOTH APPROACHES) (C7.02)

CONC. PAVER
CROSSWALK (C7.01)

RAISED CROSSWALK SIGN
(SPEED TABLE) (C7.01)

STANDARD BRICK
PAVER WALK (C7.01)

30" CONC. CURB
AND GUTTER (C7.01)

RAISED CROSSWALK SIGN
(BOTH APPROACHES) (C7.02)

BRICK PAVER WITH 8"
GRAVEL BASE (TYP. @ B.O.C.) (C7.01)

UTILITY TRENCH PAVEMENT
PATCH (TYP.) (C7.01)

NEW CURB AT EXIST.
ROADWAY (TYP.) (C7.02)

REPAIR EXISTING BRICK
CROSSWALK AS REQUIRED.

STANDARD H.C.
RAMP (C7.01)

6"-12" VAR. HEIGHT
CURB AND GUTTER (C7.01)

4" RUBBER WHEEL STOP
QUANTITY: 10 (C7.02)

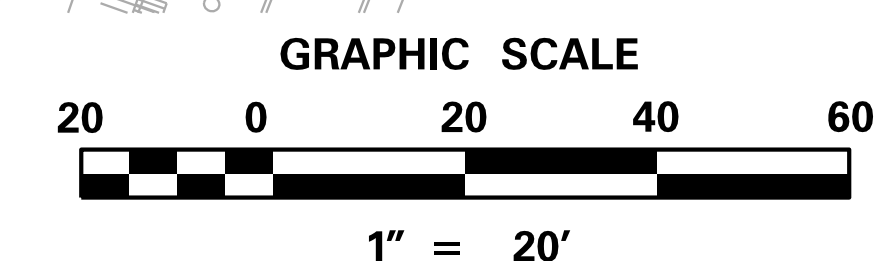
NEW RESIDENCE HALL
FFL = 707.00 & 708.33
FF1 = 722.33

**EXISTING BUILDING
SANFORD HALL**

**EXISTING BUILDING
LEVINE HALL**

**EXISTING BUILDING
LEVINE HALL**

**EXISTING BUILDING
HOUSING & RESIDENCE LIFE**



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ASSOCIATES, LTD.**

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INC.**

Structural Engineer
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OPTIMA ENGINEERING, PA

Mechanical, Electrical, Plumbing +
Fire Protection Engineering
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PHASE XVI

TAG	DESCRIPTION	DATE
1	ADDENDUM 2	8/27/21

SCO ID: 18-18333-02E

JPA Project:

Drawn By:

Checked By:

Date:

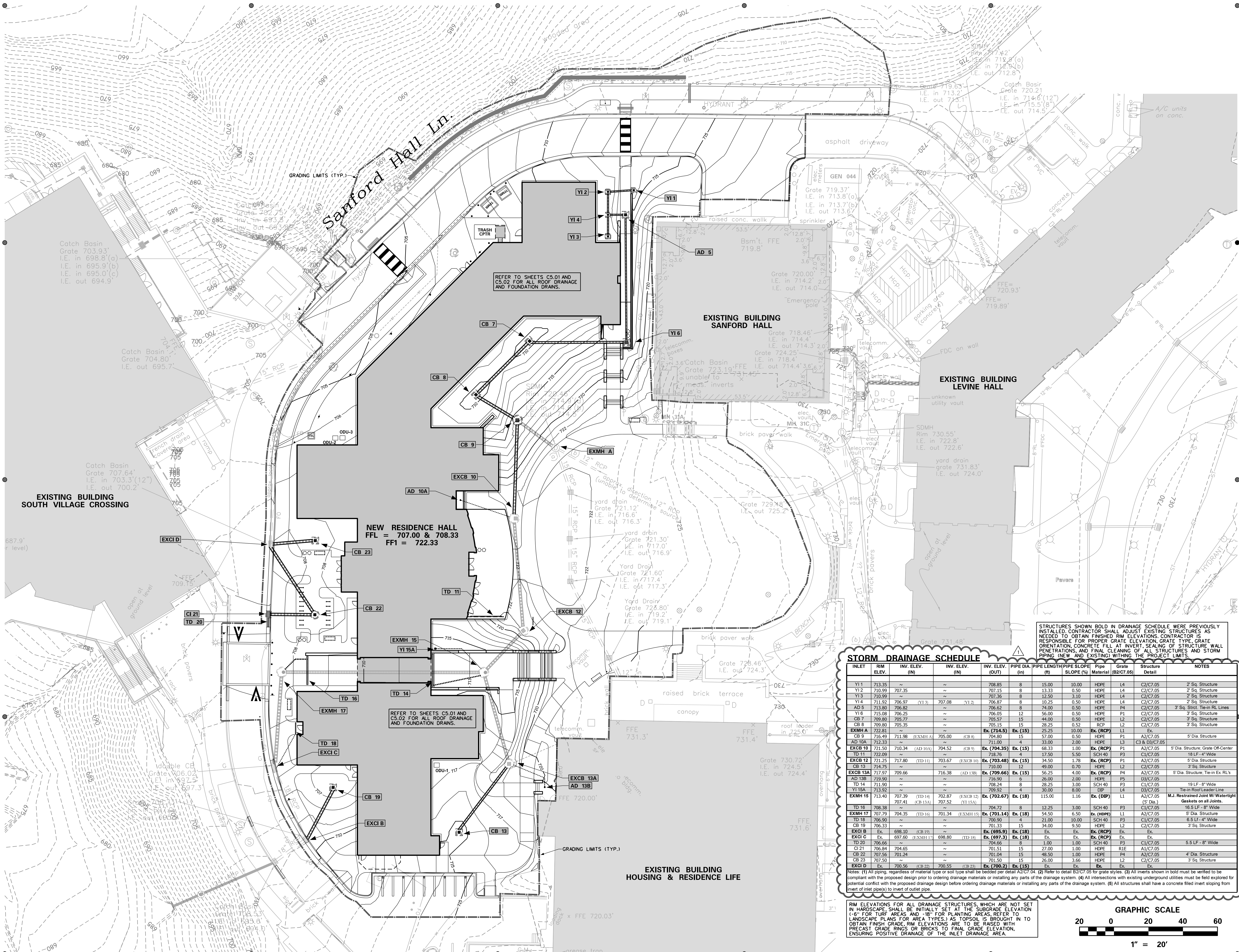
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SITE PLAN



BID SET

C-300



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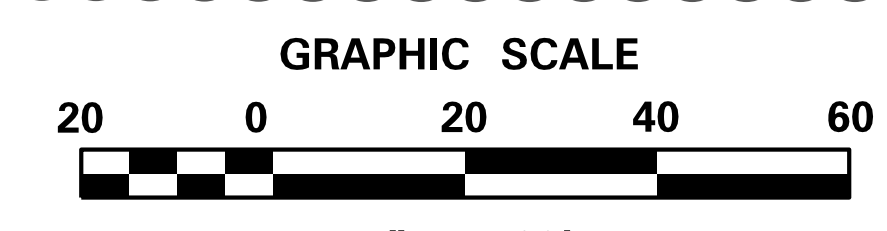
GRADING AND DRAINAGE PLAN

STRUCTURES SHOWN BOLD IN DRAINAGE SCHEDULE WERE PREVIOUSLY INSTALLED. CONTRACTOR SHALL ADJUST EXISTING STRUCTURES AS NEEDED TO OBTAIN FINISHED RIM ELEVATIONS. CONTRACTOR IS RESPONSIBLE FOR PROPER GRATE ELEVATION, GRATE TYPE, GRATE ORIENTATION, CONCRETE FILL AT INVERT, SEALING OF STRUCTURE WALL PENETRATIONS, AND FINAL CLEANING OF ALL STRUCTURES AND STORM PIPING (NEW AND EXISTING) WITHIN THE PROJECT LIMITS.

INLET	RIM ELEV. (ft)	INV. ELEV. (ft)	INV. ELEV. (ft)	PIPE DIA. (in)	PIPE LENGTH (ft)	PIPE SLOPE (%)	PIPE MATERIAL	Grate (B2/C7.05)	Structure Detail	NOTES		
YI1	713.35	~	708.85	8	15.00	10.00	HDPE	L4	C2/C7.05	2" Sq. Structure		
YI3	710.99	~	707.36	8	12.50	3.10	HDPE	L4	C2/C7.05	2" Sq. Structure		
YI4	711.92	706.97 (YI3)	707.08 (YI2)	8	10.25	0.50	HDPE	L4	C2/C7.05	2" Sq. Structure		
AD 5	713.80	706.82	~	8	74.00	0.50	HDPE	P4	C2/C7.05	3" Sq. Street-Tie-in RL Lines		
YI6	715.08	706.25	~	12	56.00	0.50	HDPE	P1	C2/C7.05	3" Sq. Structure		
CB 7	709.80	705.77	~	15	44.00	0.50	HDPE	L2	C2/C7.05	3" Sq. Structure		
CB 8	709.80	705.35	~	15	28.25	0.52	RCP	L2	C2/C7.05	3" Sq. Structure		
EXMH A	722.81	~	705.00 (CB 8)	15	25.25	10.00	Ex. (RCP)	L1	Ex.	5" Dia. Structure		
CB 9	716.49	711.98 (EXMH A)	705.00 (CB 8)	15	57.00	0.50	HDPE	P1	A2/C7.05	5" Dia. Structure		
AD 10A	712.33	~	711.00	4	33.00	2.00	HDPE	L3	C3 & D3/C7.05	5" Dia. Structure: Grate Off-Center		
EXCB 10	721.50	710.34 (AD 10A)	704.52 (CB 9)	Ex. (15)	68.33	1.00	Ex. (RCP)	P1	A2/C7.05	5" Dia. Structure: Grate Off-Center		
EXCB 12	722.09	~	718.76	4	17.50	5.50	SCH 40	P3	C1/C7.05	16" LF-4" Wide		
EXCB 13	714.75	717.80 (TD 11)	703.67 (EXCB 10)	Ex. (15)	34.50	1.70	Ex. (RCP)	P1	A2/C7.05	5" Dia. Structure		
EXCB 13A	717.97	709.66	716.38 (AD 13B)	Ex. (15)	49.00	0.70	HDPE	L2	C2/C7.05	3" Sq. Structure		
AD 13B	719.90	~	716.90	6	26.00	2.00	HDPE	P5	D3/C7.05	6" Dia. Structure: Tie-in Ex RL's		
TD 14	711.90	~	708.24	8	28.35	3.00	SCH 40	P3	C1/C7.05	19" LF- 8" Wide		
YI 15A	713.92	~	709.92	4	30.00	8.00	DP	L4	D3/C7.05	Tie-in Roof Leader Line		
EXMH 15	713.40	707.39 (TD 14)	702.87 (EXCB 12)	Ex. (18)	115.00	1.16	Ex. (DIP)	L1	A2/C7.05	M.J. Restrained Joint W/ Watertight Gaskets on all Joints.		
TD 16	708.38	707.41 (CB 13A)	707.52 (YI 15A)	~	704.72	8	12.25	3.00	SCH 40	P3	C1/C7.05	16" LF- 8" Wide
EXMH 17	707.79	704.35 (TD 16)	701.34 (EXMH 15)	Ex. (18)	701.14	Ex. (18)	54.50	6.50	Ex. (HDPE)	L1	A2/C7.05	5" Dia. Structure
TD 18	706.90	~	700.90	4	21.00	10.00	SCH 40	P3	C1/C7.05	6.5" LF- 4" Wide		
CB 19	706.33	~	701.33	15	34.00	9.50	HDPE	L2	C2/C7.05	3" Sq. Structure		
EXCB 19A	~	~	~	~	~	~	~	~	~	~		
EXCB 19B	~	~	~	~	~	~	~	~	~	~		
EXCB 19C	~	~	~	~	~	~	~	~	~	~		
EXCI B	~	~	~	~	~	~	~	~	~	~		
EXCI C	~	~	~	~	~	~	~	~	~	~		
EXCI D	~	~	~	~	~	~	~	~	~	~		

Notes: (1) All piping, regardless of material type or soil type shall be bedded per detail A2/C7.04. (2) Refer to detail B2/C7.05 for grate styles. (3) All inverts shown in bold must be verified to be compliant with the proposed design prior to ordering drainage materials or installing any parts of the drainage system. (4) All intersections with existing underground utilities must be field explored for potential conflict with the proposed drainage design before ordering drainage materials or installing any parts of the drainage system. (5) All structures shall have a concrete filled invert sloping from invert of inlet pipe(s) to invert of outlet pipe.

RIM ELEVATIONS FOR ALL DRAINAGE STRUCTURES, WHICH ARE NOT SET IN HAT, SHALL BE INITIALLY SET AT THE SUBGRADE ELEVATION (+6" FOR TURF AREAS AND -18" FOR PLANTING AREAS. REFER TO LANDSCAPE PLANS FOR AREA TYPES). AS TOPSOIL IS BROUGHT IN TO OBTAIN FINISH GRADE, RIM ELEVATIONS ARE TO BE RAISED WITH PRECAST GRADE RINGS OR BRICKS TO FINAL GRADE ELEVATION, ENSURING POSITIVE DRAINAGE OF THE INLET DRAINAGE AREA.



TRUE NORTH

BID SET

C-500

CONSTRUCTION SEQUENCE:

1. EROSION CONTROL PERMIT HAS BEEN OBTAINED BY THE OWNER.
2. SUBMIT ELECTRONIC NOTICE OF INTENT (NOI) TO DEMLR AT deq.nc.gov/NCG01 AND OBTAIN CERTIFICATE OF COVERAGE.
3. CONTACT DEMLR TO DETERMINE REQUIREMENT FOR A PRE-CONSTRUCTION MEETING.
4. FIELD SURVEY AND STAKE PROPOSED DISTURBED LIMITS.
5. INSTALL ALL REQUIRED TREE PROTECTION SAFETY FENCING.
6. PROVIDE STABILIZED CONSTRUCTION ENTRANCE(S).
7. INSTALL, LINE, AND STABILIZE CLEAN WATER DIVERSION DITCHES.
8. INSTALL ALL PRELIMINARY STORMWATER PIPING NECESSARY TO ROUTE EXISTING STORM AROUND PROJECT, CLEARING ONLY AS REQUIRED TO INSTALL THE NEW STORM SYSTEM.
9. PROVIDE ALL EROSION CONTROL MEASURES AS SHOWN, CLEARING ONLY AS REQUIRED TO INSTALL ANY OF THESE DEVICES SHOWN:
 - CONSTRUCTION ENTRANCE
 - SILT FENCING
 - INLET PROTECTION
 - SEDIMENT TRAPS
 - DIVERSION DITCHES
 - SKIMMER BASINS
 - ALL OTHER ELEMENTS SHOWN.
10. NOTIFY DEMLR'S EROSION AND SEDIMENT CONTROL REGIONAL OFFICE PRIOR TO GRADING.
11. PERFORM CLEARING AND GRUBBING.
12. BEGIN CONSTRUCTION.
13. CLEAN TRAPS, DITCHES, ETC. WHEN HALF FULL.
14. FINE GRADE SITE.
15. SEED AND MULCH ALL EXPOSED AREAS WITHIN THE TIMEFRAME SHOWN IN THE STABILIZATION SCHEDULE SHOWN ON THIS SHEET.
16. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
17. ONCE SITE AREAS ARE STABILIZED WITH PERMANENT GROUND COVER, REMOVE SOIL EROSION CONTROL MEASURES, FINE GRADE AND STABILIZE THE AREAS WHERE EROSION CONTROL MEASURES ARE REMOVED.
18. NOTIFY DEMLR'S EROSION AND SEDIMENT CONTROL REGIONAL OFFICE FOR FINAL INSPECTION.
19. SUBMIT ELECTRONIC NOTICE OF TERMINATION (NOT) TO DEMLR AT deq.nc.gov/NCG01.

STABILIZATION TIMEFRAMES (EFFECTIVE AUG. 3, 2011)		
SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE EXCEPT FOR PERIMETERS AND HOW ZONES.

DRAINAGE BASIN

SITE DRAINS TO THE YADKIN RIVER BASIN, THE RECEIVING WATER COURSE IS TOBY CREEK, CLASS C WATERS.



ON-SITE SOILS

1. Wke - Wilkes Loom k = 0.28 Slopes: 15 to 25 percent Hyd. Soil Group: C
2. Ur - Urban Land

REFER TO SHEETS C7.08 AND C7.09 FOR ADDITIONAL REQUIREMENTS TO COMPLY WITH THE CURRENT NORTH CAROLINA STORMWATER GENERAL PERMIT NCG01, EFFECTIVE 04/01/2019.

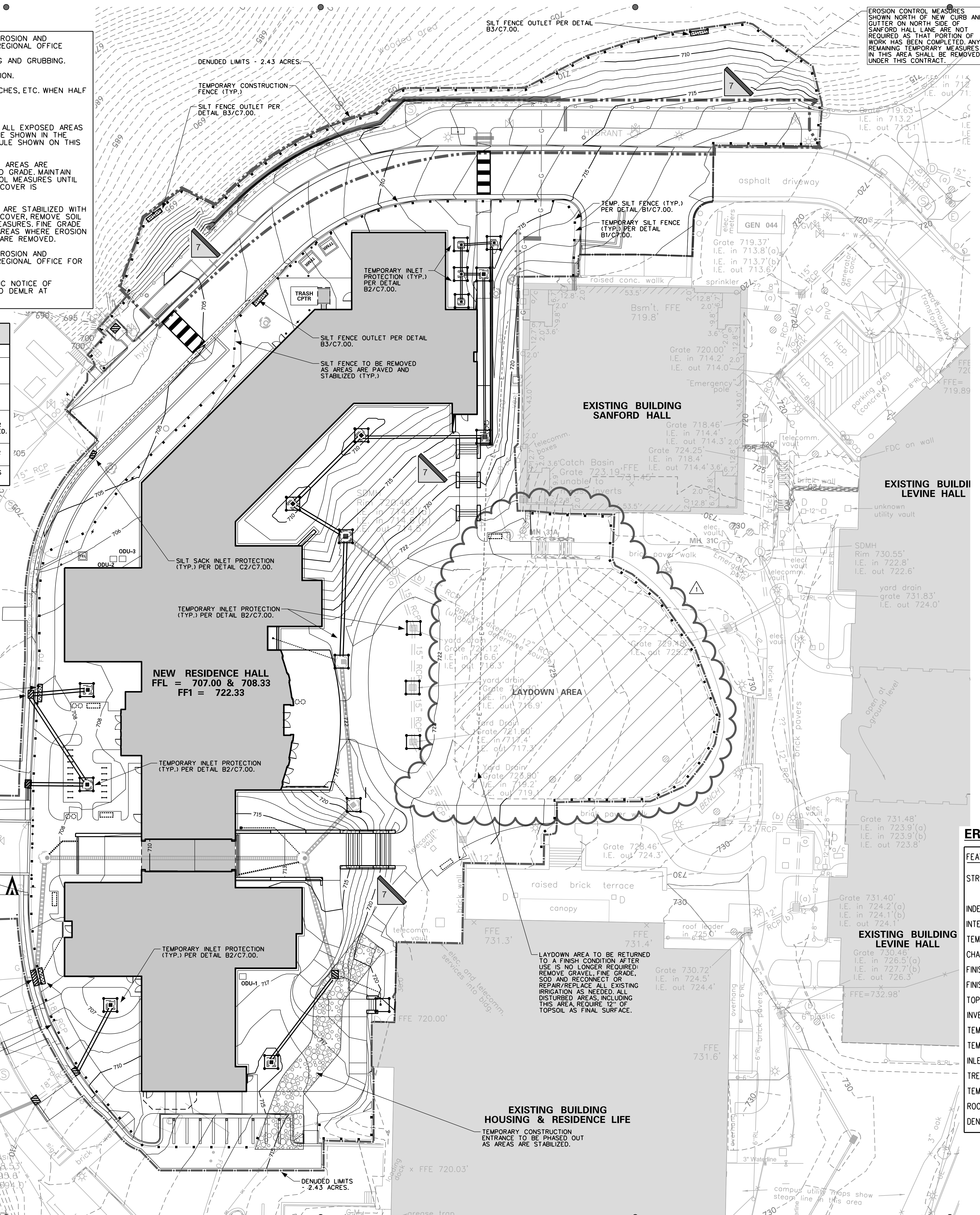
TEMPORARY SEEDING NOTES:

1. SEED IN ACCORDANCE WITH THE SEEDING SCHEDULE SHOWN IN DETAIL C2/C7.00.
2. REFER TO SPECIFICATIONS FOR ALL PERMANENT SEEDING REQUIREMENTS.
3. MULCH WITH STRAW APPLIED AT THE RATE OF 100 LBS./1000 SF.

SEEDBED PREPARATION NOTES:

1. AREAS TO BE SEEDDED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL.
2. REMOVE ALL LOOSE ROCKS, ROOTS, CONSTRUCTION DEBRIS, ETC... FROM THE SURFACE PRIOR TO SEEDING.
3. IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME TO BE IN ACCORDANCE WITH RATES SHOWN IN THE SEEDING SCHEDULE. IN ADDITION, PROVIDE 15*/1000 SF OF SUPER-PHOSPHATE.
4. IF SOIL TEST IS TAKEN, PROVIDE LIME AND FERTILIZER AS RECOMMENDED BY THE TEST REPORT.
5. LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
6. MULCH TO BE TACKED OR MECHANICALLY TIED DOWN WITHIN TWO DAYS AFTER MULCH IS SPREAD.

- SILT SACK INLET PROTECTION (TYP.) PER DETAIL C2/C7.00.
- SILT FENCE OUTLET PER DETAIL B3/C7.00.
- TEMPORARY CONSTRUCTION FENCE (TYP.)



EROSION CONTROL MEASURES SHOWN NORTH OF NEW CURB AND GUTTER ON NORTH SIDE OF SANFORD HALL LANE ARE NOT REQUIRED AS THAT PORTION OF WORK HAS BEEN COMPLETED. ANY REMAINING TEMPORARY MEASURES IN THIS AREA SHALL BE REMOVED UNDER THIS CONTRACT.

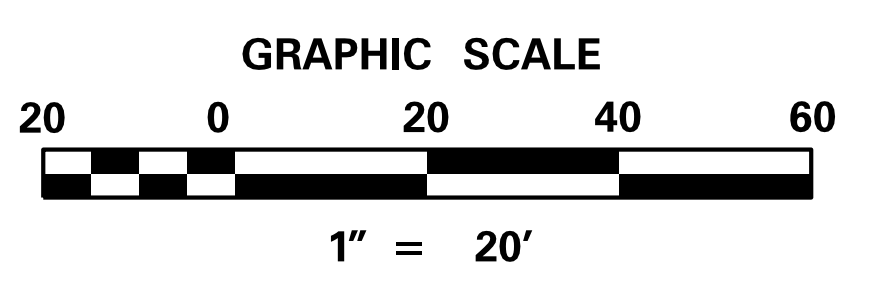
MAJOR ELEMENTS OF DWQ CONSTRUCTION GENERAL PERMIT

The following notes contain the major elements of the recently-revised North Carolina Division of Water Quality (DWQ) Construction General Permit (CGP) with emphasis placed on those elements that differ from the previous permit (expiration on August 2, 2011). Since the summary list below cannot contain details of every change, the complete Permit should be used to assure full implementation. See: <https://deq.nc.gov/about/divisions/energy-mineral-land-resources/energy-mineral-land-permits/stormwater-permits/construction-sw>

- 1) Ground Stabilization***
 - See Stabilization Timeframes table located on this sheet.
 - The major change in the Permit from the previous one is the shorter times to apply ground stabilization such as mulch, straw, or grasses. The NC laws and rules relating to the Sediment Act require, in most places, ground stabilization within 21 days. Based on the new EPA requirements and 9-months work with a permit advisory group, CTAG, the Division and EPA-developed permit, now contains requirements for ground cover within 14, and in some places 7 days.
 - * Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable.* (Section 11.B(2)(b))
- 2) Building Wastes Handling**
 - No paint or liquid wastes in stream or storm drains
 - Dedicated areas for demolition, construction and other wastes must be located 50' from storm drains and streams unless no reasonable alternatives available.
 - Earthen-material stockpiles must be located 50' from storm drains and streams unless no reasonable alternatives available.
 - Concrete materials must be controlled to avoid contact with surface waters, wetlands, or buffers.
- 3) Discharges to Federally-listed Waters**
 - Requirements are the same as in previous permit.
 - The Permit allows reduction from the 20 acre minimum if the Director of DWQ determines that other BMPs provide equivalent protection.
- 4) Inspections**
 - Same weekly inspection requirements
 - Same rain gauge & inspections after 0.5" rain event
 - Inspections are only required during "normal business hours"
 - Inspection reports must be available on-site during business hours unless a site-specific exemption is approved.
 - Records must be kept for 3 years and available upon request.
 - electronically-available records may be substituted under certain conditions.
- 5) Implementation of New Permit Conditions**
 - Projects permitted under the previous permit can continue to follow the previously-permitted conditions.
 - Complete applications received prior to August 3, 2011 can follow conditions of approved application.
 - Applications received after August 2, 2011 must comply with new permit conditions.
- 6) Conditions in Erosion & Sedimentation Control Plans***
 - Designation on the plans where the 7 and 14-day ground stabilization requirements of the NPDES permit apply.
 - Designation on the plans where basins that comply with the surface-withdrawal requirements of the NPDES permit are located.
- 7) Sediment Basins**
 - Outlet structures must withdraw from basin surface unless drainage area is less than 1 acre.
 - Use only DWQ-approved flocculants
- 8) Additional Notes**
 - The Major Elements listed herein were taken from a document prepared by the NC DWQ, dated August 4, 2011.
 - The State of NC reissued the NCG01 construction stormwater NPDES permit, effective Aug. 1, 2016 with no changes from the permit issued August 3, 2011.
 - The 2011 permit was issued by the then Division of Water Quality (DWQ) in the Department of Environment and Natural Resources. The division and department names have changed since that time. The reissued permit and the notes herein continue to reference the former division and department names since the Permit was technically issued with no changes.
 - The permit is now administered by the Division of Energy, Mineral and Land Resources. Any contact associated with the permit should be directed to the division's regional office or central office staff.

EROSION CONTROL LEGEND

FEATURE	NEW	EXISTING
STRUCTURES		
INDEX CONTOUR (5-FT)		
INTERMEDIATE CONTOUR (1-FT)		
TEMPORARY CONTOUR (1-FT)		
CHAIN LINK FENCING		
FINISHED GRADE	259.9	259.9
FINISHED FLOOR ELEVATION	F. F. ELEV.	
TOP OF PAVEMENT GRADE	TP 258.50	
INVERT EL. OF PIPE OR DITCH	INV. EL.-256.50	INV. EL.-256.50
TEMP. GRAVEL CONSTR. ENTRANCE		
TEMPORARY SEDIMENT FENCE		
INLET PROTECTION		
TREE PROTECTION FENCE		
TEMP. DIVERSION DITCH		
ROCK CHECK DAM		
DENUDED LIMITS		



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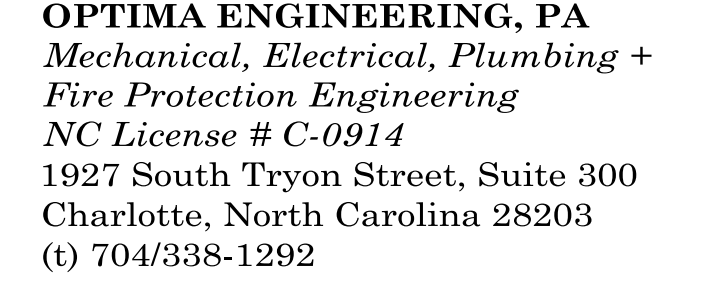
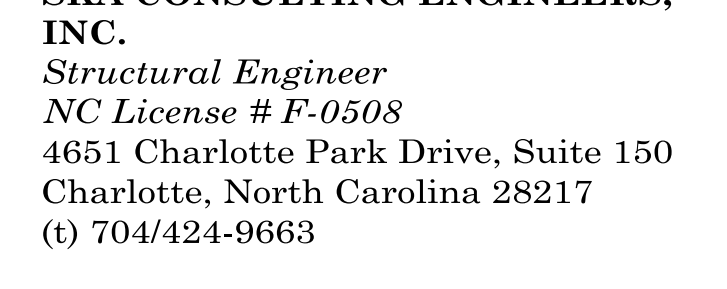
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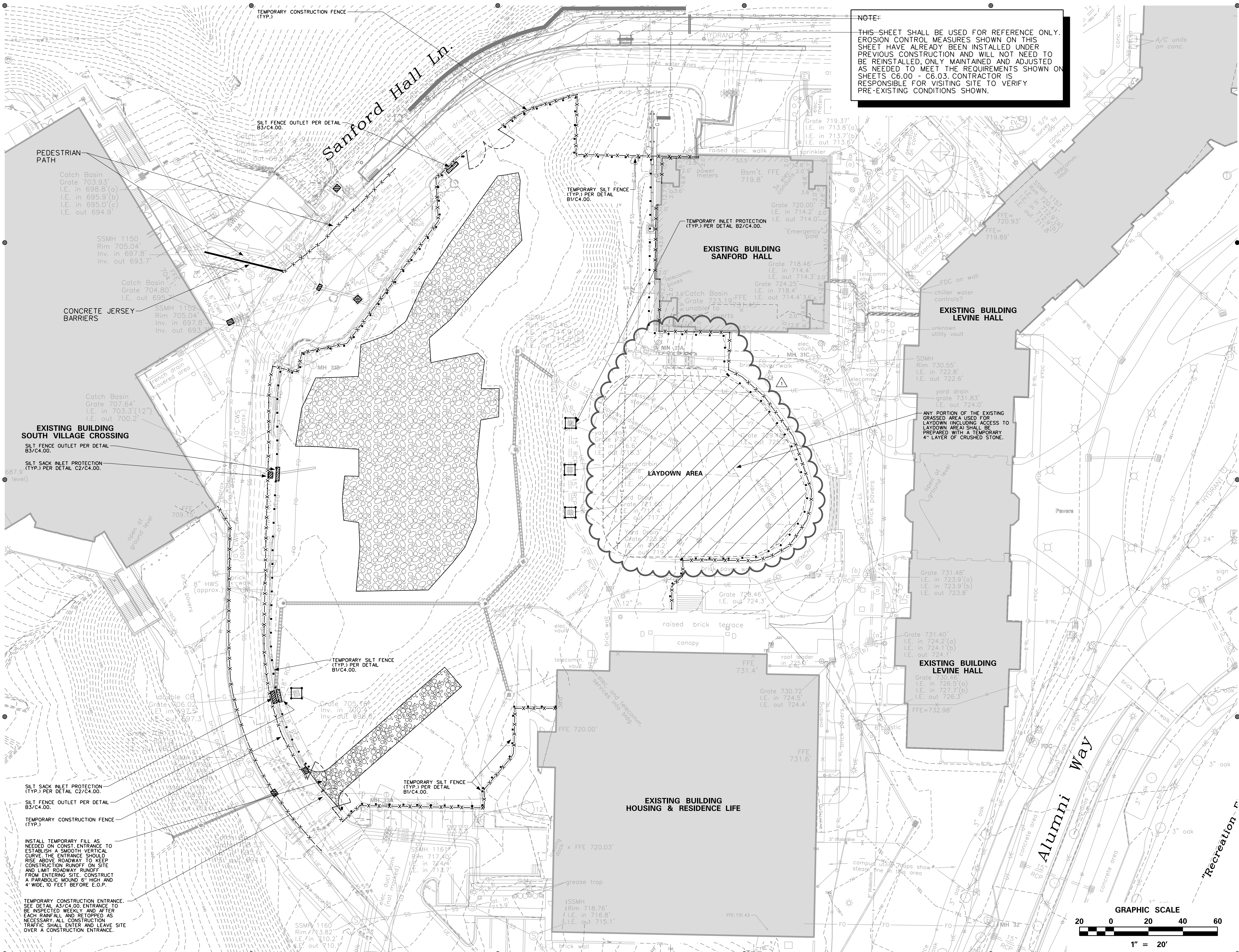
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EROSION CONTROL PLAN PHASE IV

BID SET

C-603



NOTE:
 THIS SHEET SHALL BE USED FOR REFERENCE ONLY. EROSION CONTROL MEASURES SHOWN ON THIS SHEET HAVE ALREADY BEEN INSTALLED UNDER PREVIOUS CONSTRUCTION AND WILL NOT NEED TO BE REINSTALLED, ONLY MAINTAINED AND ADJUSTED AS NEEDED TO MEET THE REQUIREMENTS SHOWN ON SHEETS C6.00 - C6.03. CONTRACTOR IS RESPONSIBLE FOR VISITING SITE TO VERIFY PRE-EXISTING CONDITIONS SHOWN.

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PRE-EXISTING EROSION CONTROL MEASURES REFERENCE PLAN

TRUE NORTH
 GRAPHIC SCALE
 20 0 20 40 60
 1" = 20'
 BID SET

C-604

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