

4 PROJECT AREAS:
1) MAIN STATION
2) CAMERON BLVD
3) STUDENT UNION
4) JW CLAY

SCOPE

BASE BID/ALT.#4
ADD ALT. #1
ADD ALT. #2
BASE BID/ALT. #7,8
BASE BID/ALT. #3,4,5
ADD ALT. #1
ADD ALT. #2
BASE BID/ALT. #7,8
BASE BID/ALT. #4,5

ADD ALT. #1

ADD ALT. #2

BASE BID/ALT. #7,8

BASE BID/ALT.#4
BASE BID/ALT. #6A/6B
ADD ALT. #1
ADD ALT. #2
ADD ALT. #6C
BASE BID/ALT.#4,5
BASE BID/ALTS.
BASE BID/ALTS.
BASE BID/ALTS.

COMPANY: ALTA PLANNING AND DESIGN	
SHEET NUMBER	SHEET TITLE
C-900	MAIN STATION - SIGNAGE AND PAVEMENT MARKING PLAN
ADD ALT. #5	C-901 MAIN STATION - SIGNAL PLAN

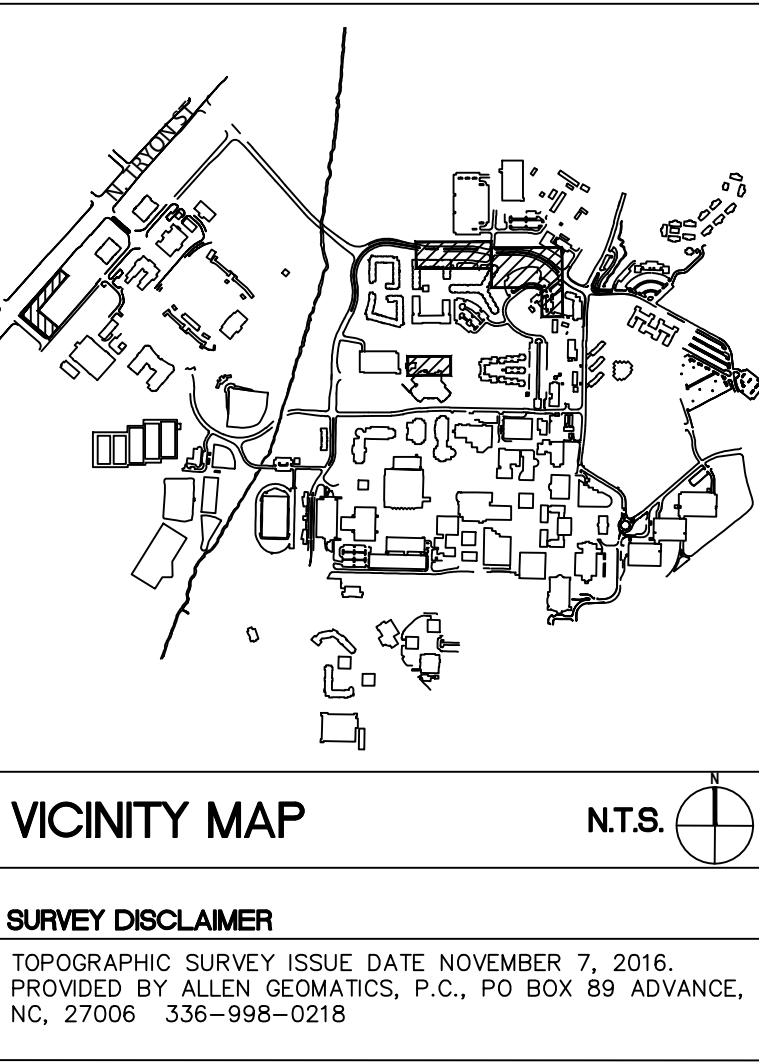
COMPANY: ELM ENGINEERING	
SHEET NUMBER	SHEET TITLE
E-100	ELECTRICAL COVER SHEET
E-101	EXISTING ELECTRICAL POWER RISER DIAGRAM
E-102	ELECTRICAL DETAILS
E-103	PANELBOARD SCHEDULE AND DETAILS
E-200	MAIN STATION - SITE PLAN
E-201	CAMERON BLVD - SITE PLAN
E-202	STUDENT UNION - SITE PLAN

COMPANY: IRRIGATION INNOVATIONS	
SHEET NUMBER	SHEET TITLE
I-100	MAIN STATION - IRRIGATION PLAN
I-101	MAIN STATION - IRRIGATION DETAILS

ELM ENGINEERING
900 CENTER PARK DR.
CHARLOTTE, NC 28217
(704) 335-0396

IRRIGATION INNOVATIONS
4218 CAHNNAS WAY
WAXHAW, NC 28173
(704) 256-4873

ALTA PLANNING & DESIGN
108 S MAIN ST
DAVIDSON, NC 28036
(704) 255-6200



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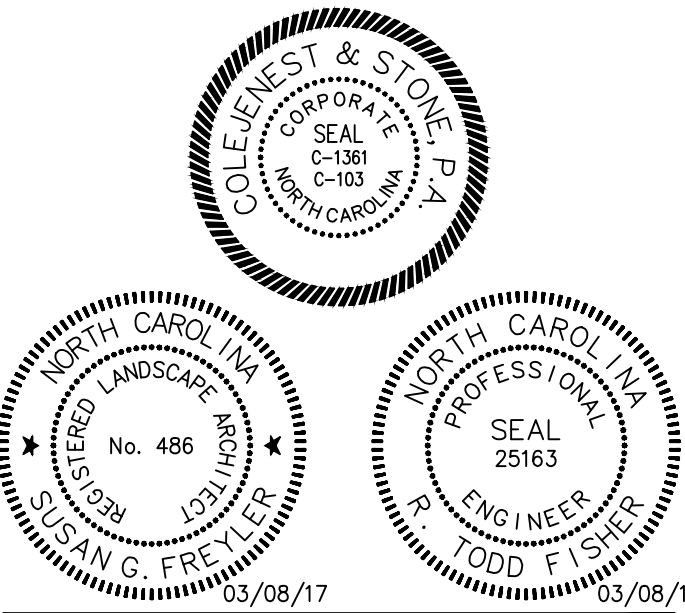
SCO ID# 16-14055
CODE 41526 ITEM 310

COVER SHEET

Project No.
4496

Issued
03/08/2017 -- BID SET

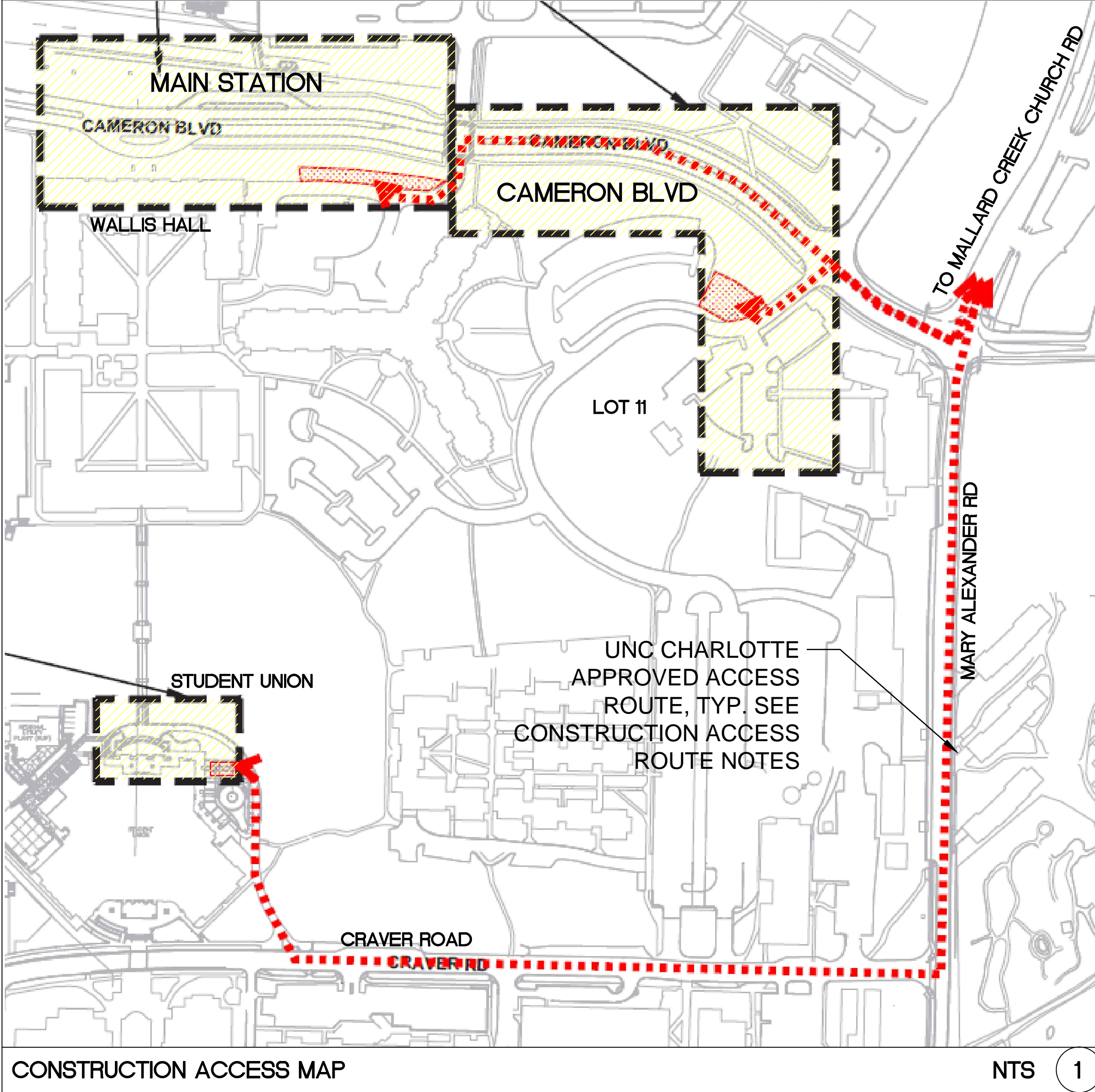
Revised



C-000

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CONSTRUCTION ACCESS MAP

CONSTRUCTION ACCESS ROUTES

WALLIS HALL:
CONTRACTOR SHALL ONLY USE THE FOLLOWING ACCESS ROUTE:
MALLARD CREEK CHURCH RD., MARY ALEXANDER RD., CAMERON BLVD., POPLAR LANE (DO NOT BLOCK POPLAR LANE).

CAMERON BLVD./LOT 11 - ALTERNATE #1
CONTRACTOR SHALL ONLY USE THE FOLLOWING ACCESS ROUTE:
MALLARD CREEK CHURCH RD., MARY ALEXANDER RD., CAMERON BLVD., POPLAR TERRACE DR., LOT 21 ENTRANCE DRIVE

STUDENT UNION - ALTERNATE #2
CONTRACTOR SHALL ONLY USE THE FOLLOWING ACCESS ROUTE:
MALLARD CREEK CHURCH RD., MARY ALEXANDER RD., CRAVER RD., FIRE ACCESS LANE TO STUDENT UNION (MUST REMAIN OPEN AT ALL TIMES).

*ANY DEVIATION MUST BE APPROVED BY UNCC BY CONSTRUCTION MANAGER

ADD ALTERNATE #4 - ADD BUS DROP-OFF AND WIDEN SIDEWALK AT MAIN STATION

WORK TO INCLUDE ADDING HEAVY-DUTY CONCRETE PAVING, WIDENING EXISTING BRICK WALK TO 8'. ADDING ADDITIONAL CURB AND GUTTER, REMOVAL OF TREES, PLANTING NEW TREES, NEW EMERGENCY BLUE LIGHT AND ADDITIONAL PEDESTRIAN LIGHT RELOCATIONS.

ADD ALTERNATE #5 - ADD SIGNALIZED INTERSECTION AT THE MAIN STATION

WORK TO INCLUDE ADDING THE SIX (6) PEDESTRIAN AND TRAFFIC SIGNAL POLES, BASES, ELECTRICAL BOXES AND PANELS, WIRING AND SIGNAL HEADS. THE CONDUIT FOR THE WIRING (INCLUDING THE CAPS FOR THE CONDUIT AND PULL STRINGS) WILL BE INCLUDED IN THE BASE BID.

ADD ALTERNATE #6A - LANDSCAPE AT MAIN STATION

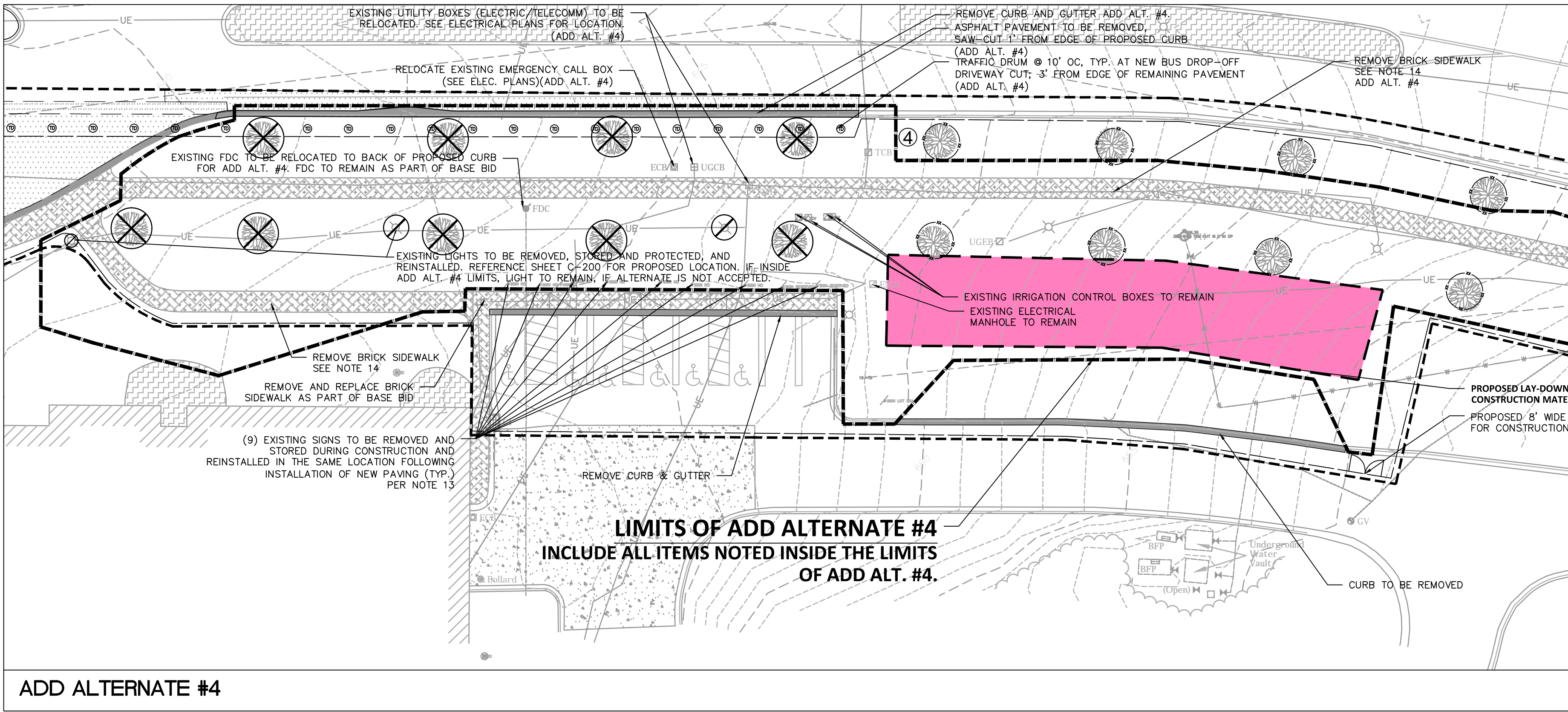
WORK TO INCLUDE INSTALLATION OF PROPOSED PLANT MATERIAL (PLANTS AND SOD) TO BE LOCATED IN EXISTING AND PROPOSED PLANTING BEDS IN FRONT OF WALLIS HALL. ADDITIONALLY, TWO (2) STREET TREES ARE TO BE INSTALLED ALONG CAMERON BLVD., IN FRONT OF WALLIS HALL.

ADD ALTERNATE #6B - LANDSCAPE AT MAIN STATION

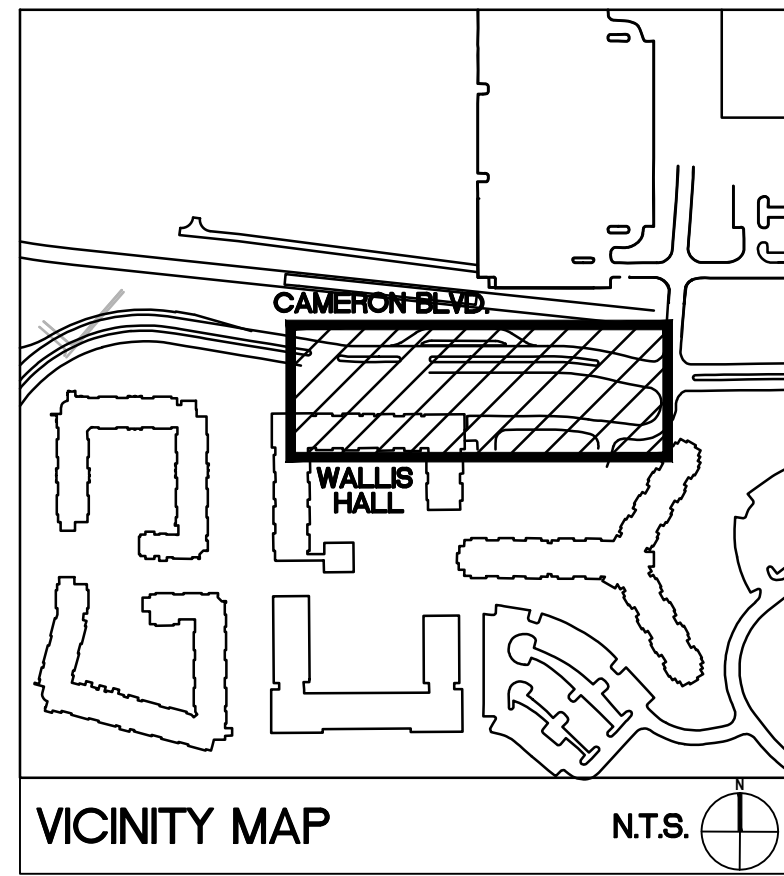
WORK WILL INCLUDE INSTALLATION OF PROPOSED PLANT MATERIAL (PLANTS AND SOD) TO BE LOCATED IN EXISTING AND PROPOSED PLANTING BEDS IN FRONT OF WALLIS HALL. ADDITIONALLY, SOD FOR ALL DISTURBED AREAS AS PART OF ALTERNATE #4. THREE (3) STREET TREES, AND FIVE (5) EVERGREEN TREES ARE TO BE INSTALLED ALONG CAMERON BLVD., IN FRONT OF WALLIS HALL.

DEMOLITION NOTES

- CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND SEQUENCING OF DEMOLITION AS DESCRIBED BY THESE DOCUMENTS AND SPECIFICATIONS. CONTRACTOR IS TO OBTAIN ALL PERMITS.
- THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ALL BURIED UTILITIES (ELECTRICAL, MECHANICAL, WATER, SEWER, TELECOMMUNICATION, GAS, ETC.) WITHIN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION. UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. THE OMISSION OF, OR INCLUSION OF, UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OR DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITY OWNERS WHOSE FACILITIES WILL BE AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY REQUIRED UTILITY DEMOLITION OR RELOCATION WITH THE APPLICABLE UTILITY OWNER. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE RESPECTIVE UTILITY OWNERS SO AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE.
- ALL MATERIAL GENERATED BY THE DEMOLITION WILL BE HAULED FROM THE SITE AND DISPOSED OF PER LOCAL ORDINANCES.
- INSTALL 8' CHAIN LINK FENCE AROUND PERIMETER OF PROJECT AREA DURING DEMOLITION AND CONSTRUCTION.
- ALL EXISTING ASPHALT PAVEMENT SHALL BE SAW-CUT AT THE LIMIT OF DEMOLITION WHERE CONSTRUCTION PLANS SHOW TIE-INS. SAW-CUT JOINT SHALL BE ONE FOOT FROM THE EXISTING EDGE OF PAVEMENT, MINIMUM.
- ALL EXISTING CONCRETE PAVEMENT, SIDEWALK AND/OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST EXISTING CONTROL JOINT BEYOND THE LIMIT OF DEMOLITION SHOWN ON THE PLAN. WHERE NO EXISTING CONTROL JOINTS ARE PRESENT WITHIN FIVE FEET OF THE LIMIT OF DEMOLITION, CONCRETE PAVEMENTS SHALL BE SAW-CUT.
- ADA COMPLIANT PEDESTRIAN ACCESS TO WALLIS HALL AND THE STUDENT UNION, AND ONE LANE OF CAMERON BLVD. SHALL REMAIN OPEN AND UNOBSTRUCTED TO TRAFFIC AT ALL TIMES.
- CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING CONSTRUCTION PER WORK AREA TRAFFIC CONTROL HANDBOOK STANDARDS. (W.A.T.C.H.)
- DEMOLITION OF STORM DRAINAGE AND SANITARY SEWER SYSTEM(S) BY CONTRACTOR SHALL ALLOW FOR CONTINUOUS USE OF THE SYSTEM(S).
- CONTRACTOR SHALL REPAIR OR REPLACE ANY ADJACENT CONCRETE CURBING AND/OR SIDEWALK DAMAGED AS PART OF DEMOLITION PROCESS.
- FOR THE RENOVATION OR DEMOLITION OF BUILDINGS OR OTHER STRUCTURES, FEDERAL AND/OR LOCAL REGULATIONS REQUIRE THAT A THOROUGH INSPECTION BE CONDUCTED FOR ASBESTOS-CONTAINING MATERIALS. PRIOR TO CONDUCTING A RENOVATION OR DEMOLITION ACTIVITY, THE ASBESTOS INSPECTION MUST BE CONDUCTED BY A NORTH CAROLINA ACCREDITED ASBESTOS INSPECTOR. ALL REGULATED AND/OR FRIABLE ASBESTOS-CONTAINING MATERIALS IDENTIFIED DURING THE SURVEY, WHICH WILL BE DISTURBED, MUST BE PROPERLY REMOVED BY ACCREDITED INDIVIDUALS BEFORE BEGINNING THE RENOVATION OR DEMOLITION ACTIVITY.
- REMOVAL, STORAGE, AND REINSTALLMENT OF EXISTING SIGNS FOR PARKING SHALL BE COORDINATED WITH CONSTRUCTION MANAGER.
- BRICK PAVERS TO BE REMOVED SHALL BE SAVED AND STACKED NEATLY TO THE SIDE FOR REINSTALLATION. WHEN REINSTALLED, SALVAGED PAVERS SHALL BE MIXED INTERMITTENTLY WITH NEW BRICK PAVERS FOR INCREASED SIDEWALK, RAMP AND STAIR WIDTHS. CONTRACTOR SHALL CONFIRM EACH EXISTING PAVEMENT TYPE AND ENSURE THAT SIMILAR PAVERS (VEHICULAR AND PEDESTRIAN) ARE STORED TOGETHER AND LABELED FOR EASE OF IDENTIFICATION. PAVERS SHALL BE REINSTALLED IN THE CORRECT APPLICATION (VEHICULAR FOR VEHICULAR AREAS, PEDESTRIAN FOR PEDESTRIAN PAVERS) FOLLOWING DEMOLITION AND GRADING PHASES OF WORK.
- ALL PLANT MATERIAL THAT IS IDENTIFIED TO BE TRANSPLANTED MATERIAL (TREES) SHALL BE REMOVED BY THE CONTRACTOR. CONTRACTOR AND TRANSPLANTED TO A HOLDING AREA DETERMINED BY UNCC CONSTRUCTION MANAGER. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PLANT MATERIAL DURING CONSTRUCTION (UNC CHARLOTTE WILL PROVIDE WATER TO PLANT MATERIAL). CONTRACTOR IS RESPONSIBLE TO REINSTALL/RELOCATE PLANT MATERIAL FOR TREES TO BE TRANSPLANTED, AT THE MAIN STATION PROJECT AREA, SEE SHEET C-700 FOR LOCATIONS.
- CONTRACTOR SHALL COORDINATE ALL UTILITY LOCATES WITH THE UNC CHARLOTTE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
- PROVIDE 48" SAFETY FENCE AROUND PEDESTRIAN AREAS (SEE SUPPLEMENTARY GENERAL CONDITIONS 2-01A).
- PRIOR TO CONSTRUCTION OR TREE REMOVAL, THE CONTRACTOR SHALL COORDINATE WITH THE UNC CHARLOTTE CONSTRUCTION MANAGER TO DETERMINE WHICH EXISTING TREES SHALL BE TRANSPLANTED BY OWNER. ALL REMAINING TREES NOTED TO BE REMOVED WILL BE REMOVED.



ADD ALTERNATE #4

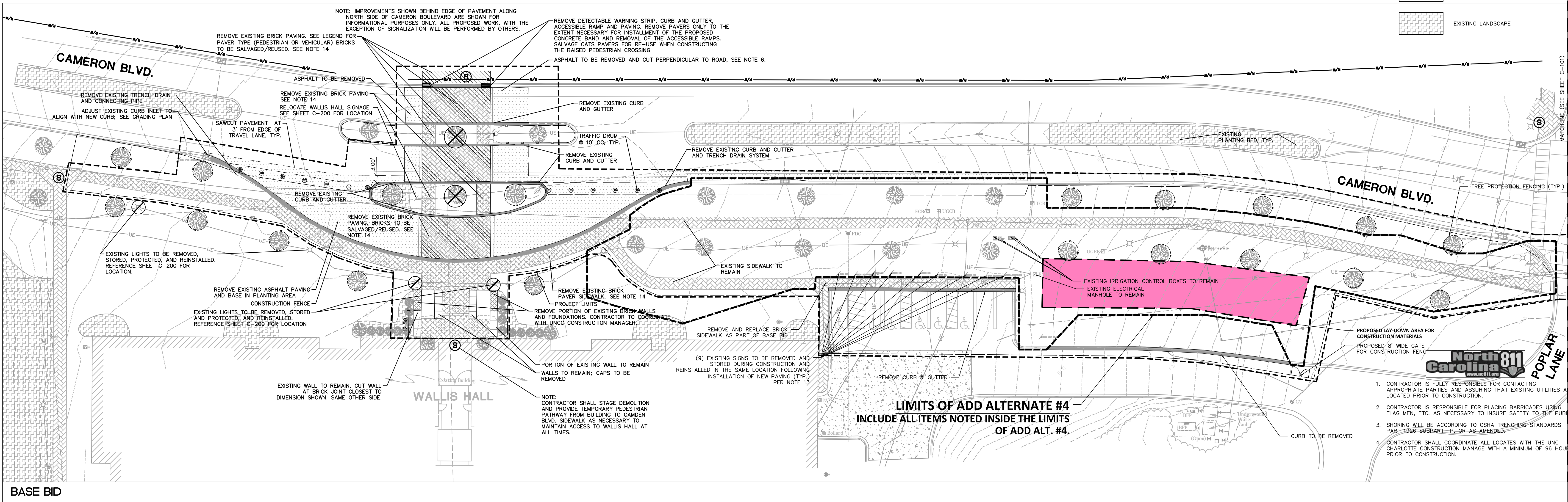


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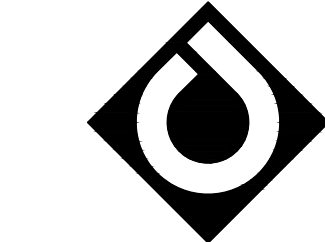
TOPOGRAPHIC SURVEY ISSUE DATE NOVEMBER 7, 2016.
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LEGEND

SYMBOL		
ASPHALT TO BE REMOVED	-/-	
PEDESTRIAN PAVERS TO BE REMOVED SEE NOTE 14	-/-	
VEHICULAR PAVERS TO BE REMOVED	-/-	
CURB TO BE REMOVED	-/-	
VEGETATION TO BE REMOVED	-/-	
TREE TO BE REMOVED (SEE NOTE 18)	-/-	
EXISTING TREE (APPROXIMATE LOCATION)	-/-	
EXISTING PEDESTRIAN LIGHT POLE	-/-	
LIGHT FIXTURE TO BE RELOCATED	-/-	
TREE PROTECTION FENCING	18/C-801	
PROJECT LIMIT	-/-	
CONSTRUCTION FENCE	-/-	
SIDEWALK CLOSED SIGN	-/-	
TRAFFIC DRUM	-/-	
ADD ALTERNATE LIMITS	-/-	
EXISTING LANDSCAPE	-/-	



BASE BID



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SCO ID# 16-14055
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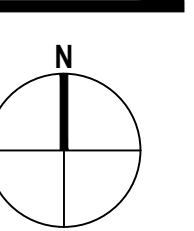
MAIN STATION -
DEMOLITION PLAN

Project No.
4496

Issued

03/08/2017 - BIO SET

Revised

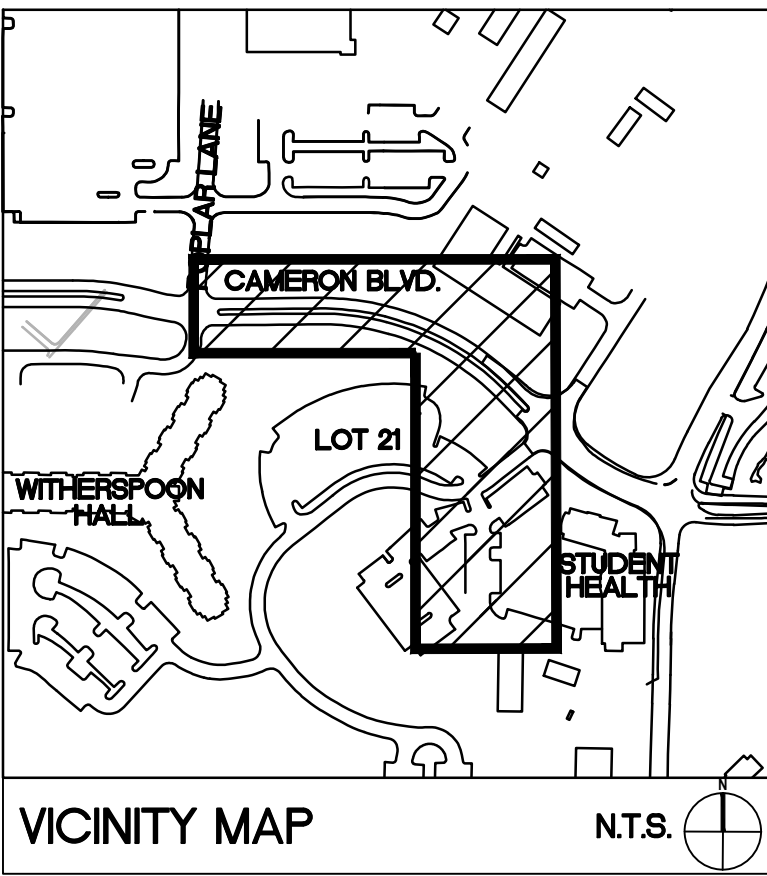
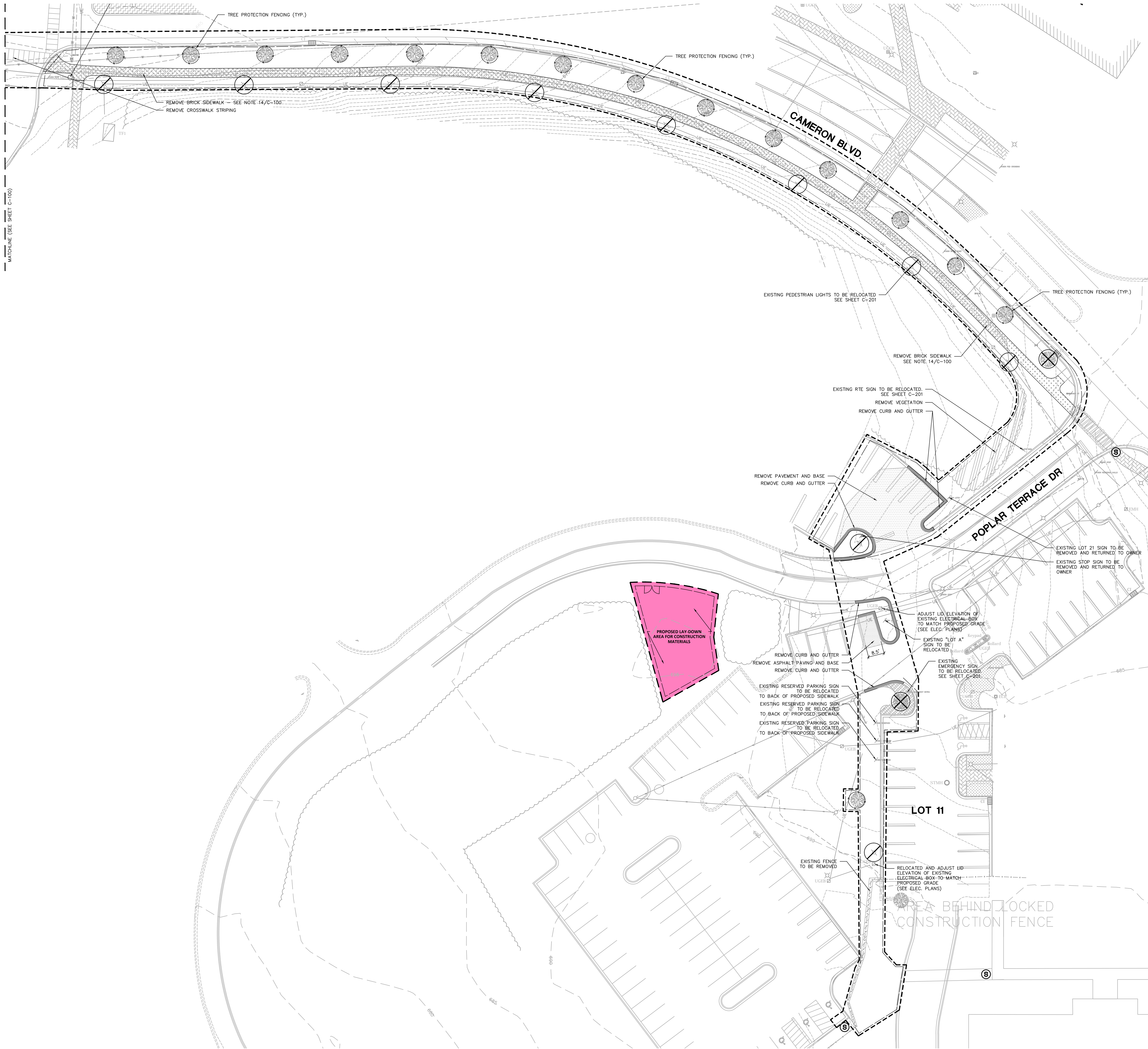


SCALE: 1"= 20'
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C-100
(BASE BID / ALT #4)

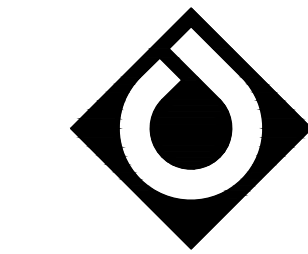
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LEGEND		
SYMBOL		
	ASPHALT TO BE REMOVED	-/-
	PAVERS TO BE REMOVED	-/-
	CURB TO BE REMOVED	-/-
	VEGETATION TO BE REMOVED	-/-
	TREE TO BE REMOVED	-/-
	LIGHT FIXTURE TO BE RELOCATED	-/-
	TREE PROTECTION FENCING	18/C-801
	PROJECT LIMIT	-/-
	CONSTRUCTION FENCE	-/-
	SIDEWALK CLOSED SIGN	-/-
	EXISTING LANDSCAPE	-/-
SEE SHEET C-100 FOR DEMOLITION NOTES		



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CODE 41526 ITEM 310

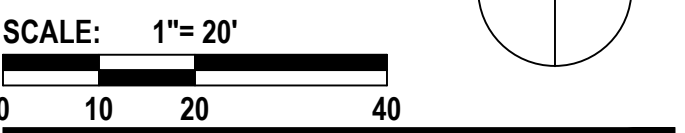
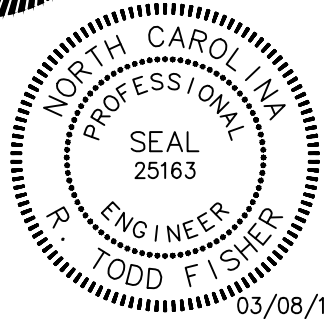
CAMERON BLVD DEMOLITION PLAN

Project No.
4496

Issued

03/08/2017 -- BID SET

Revised



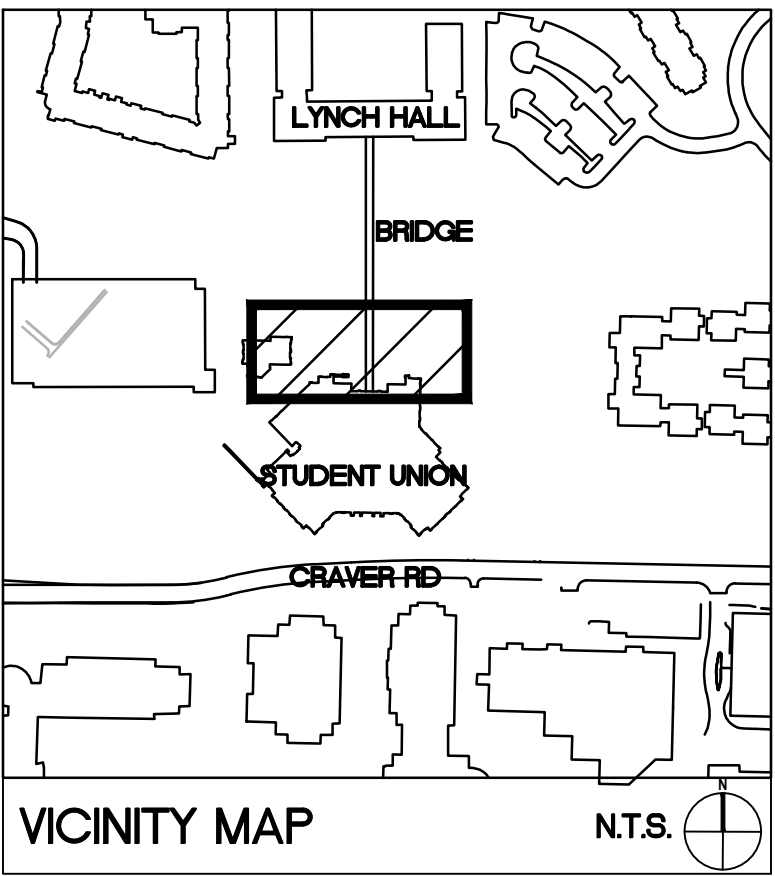
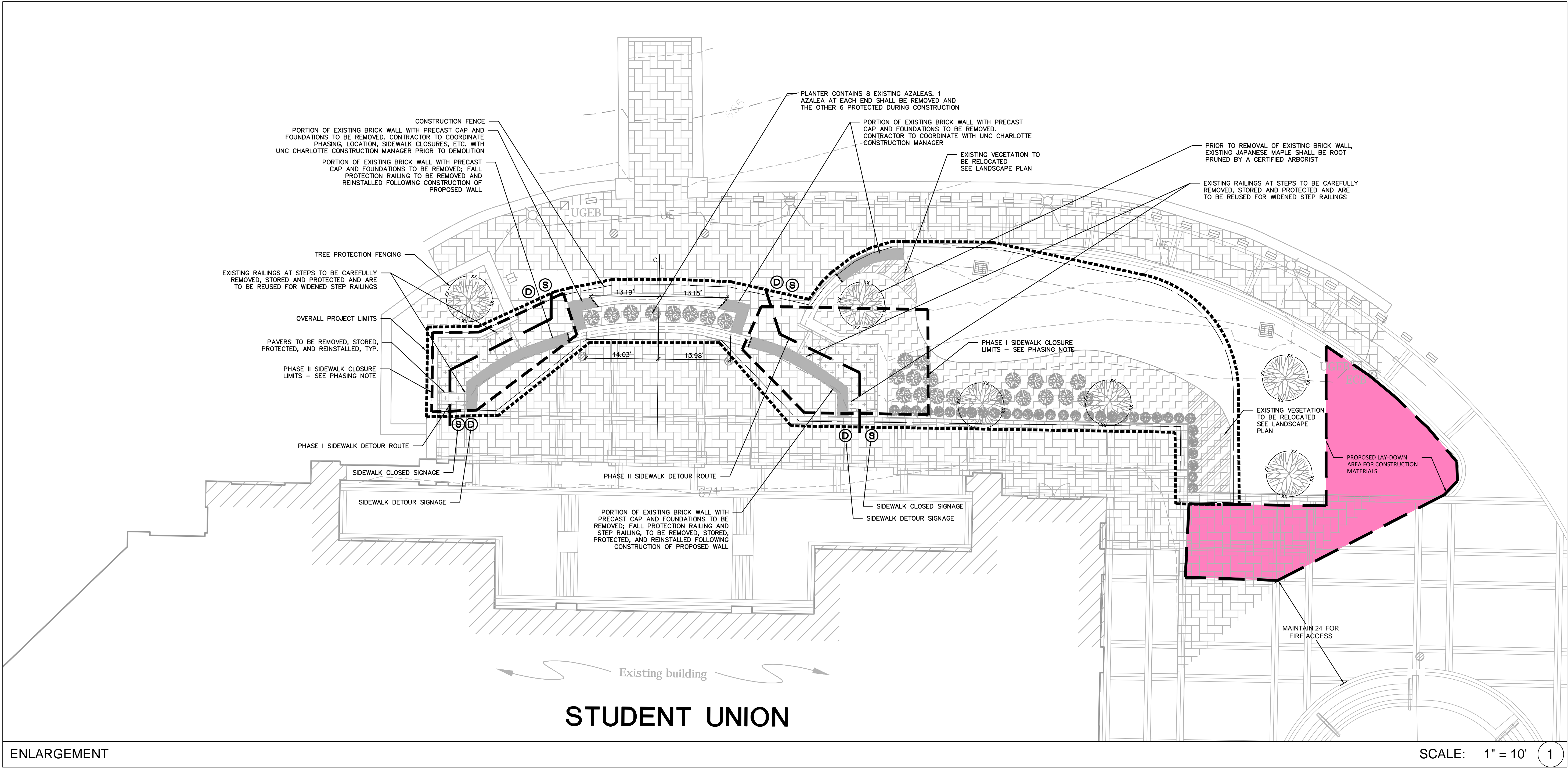
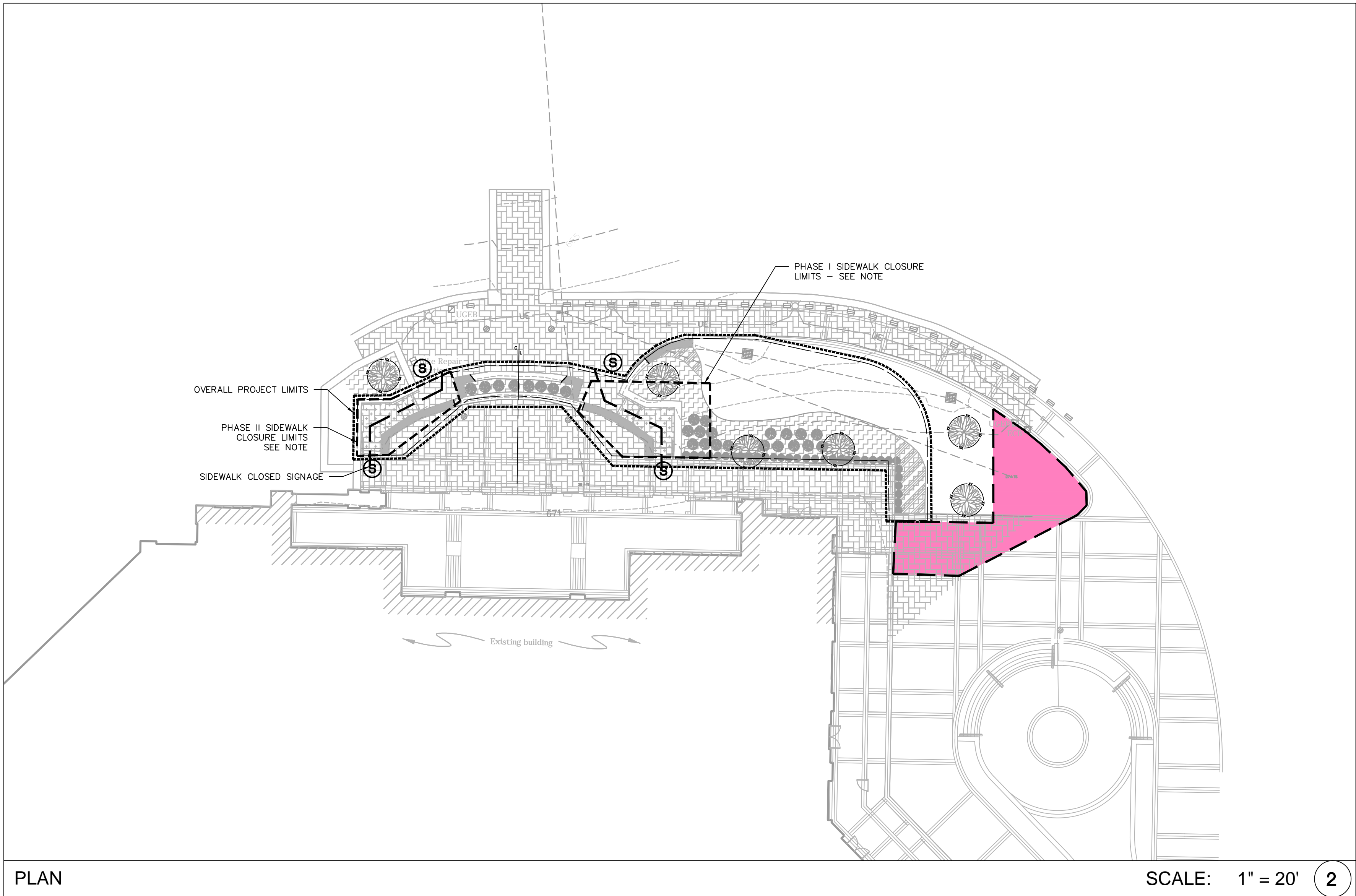
C-101 (ADD ALTERNATE #1)

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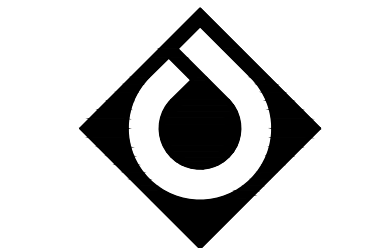
1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING
APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE
LOCATED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING
FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
3. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS
PART 1926 SUBPART P, OR AS AMENDED.
4. CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC
CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS
PRIOR TO CONSTRUCTION.



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LEGEND	
SYMBOL	
	PAVERS TO BE REMOVED -/-
	WALL TO BE REMOVED -/-
	VEGETATION TO BE RELOCATED -/-
	TREE PROTECTION FENCING 18/C-801
	PROJECT LIMIT -/-
	CONSTRUCTION FENCE -/-
	SIDEWALK CLOSED SIGN -/-
	SIDEWALK DETOUR SIGN -/-
	EXISTING LANDSCAPE -/-

SEE SHEET C-100 FOR DEMOLITION NOTES
PHASING NOTES:
1. ONLY ONE SIDE OF STAIRWAY TO BE CLOSED AT ANY GIVEN TIME DURING CONSTRUCTION. REMAINING STAIR TO REMAIN OPEN TO PEDESTRIAN TRAFFIC.
2. ALL SIDEWALK CLOSURES SHALL BE ACCOMPANIED WITH A DETOUR SIGN AND ROUTE (SEE PLAN FOR DETAILS).



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SCO ID# 16-14055
CODE 41526 ITEM 310

**STUDENT UNION-
DEMOLITION PLAN**

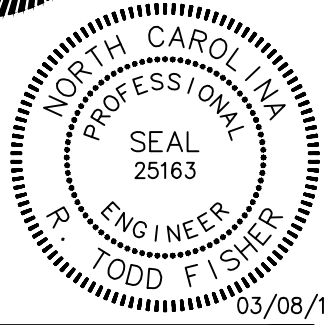
Project No.

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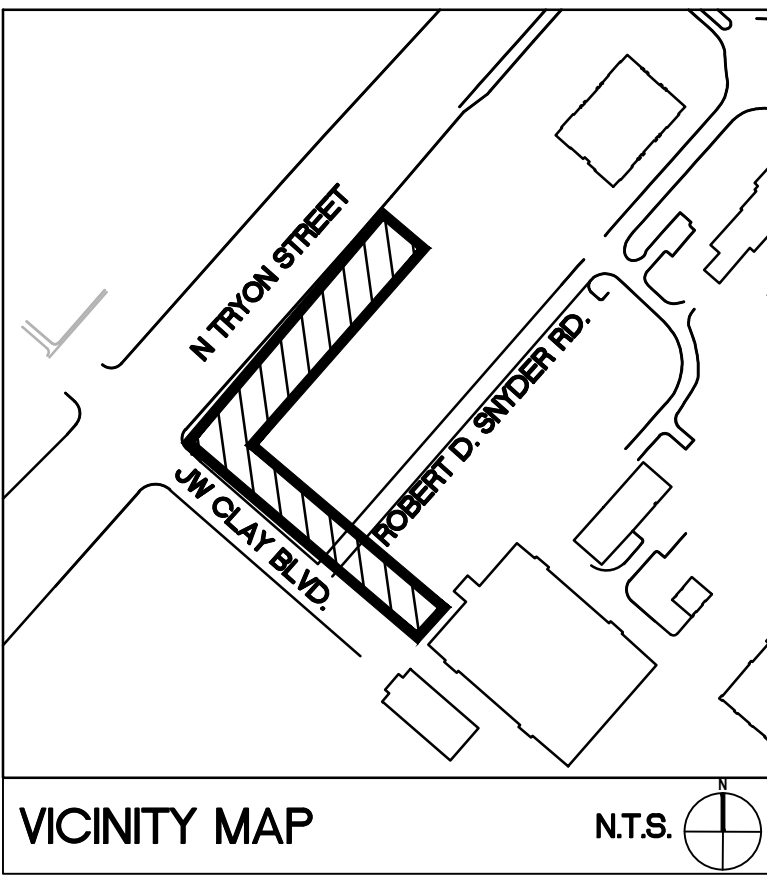
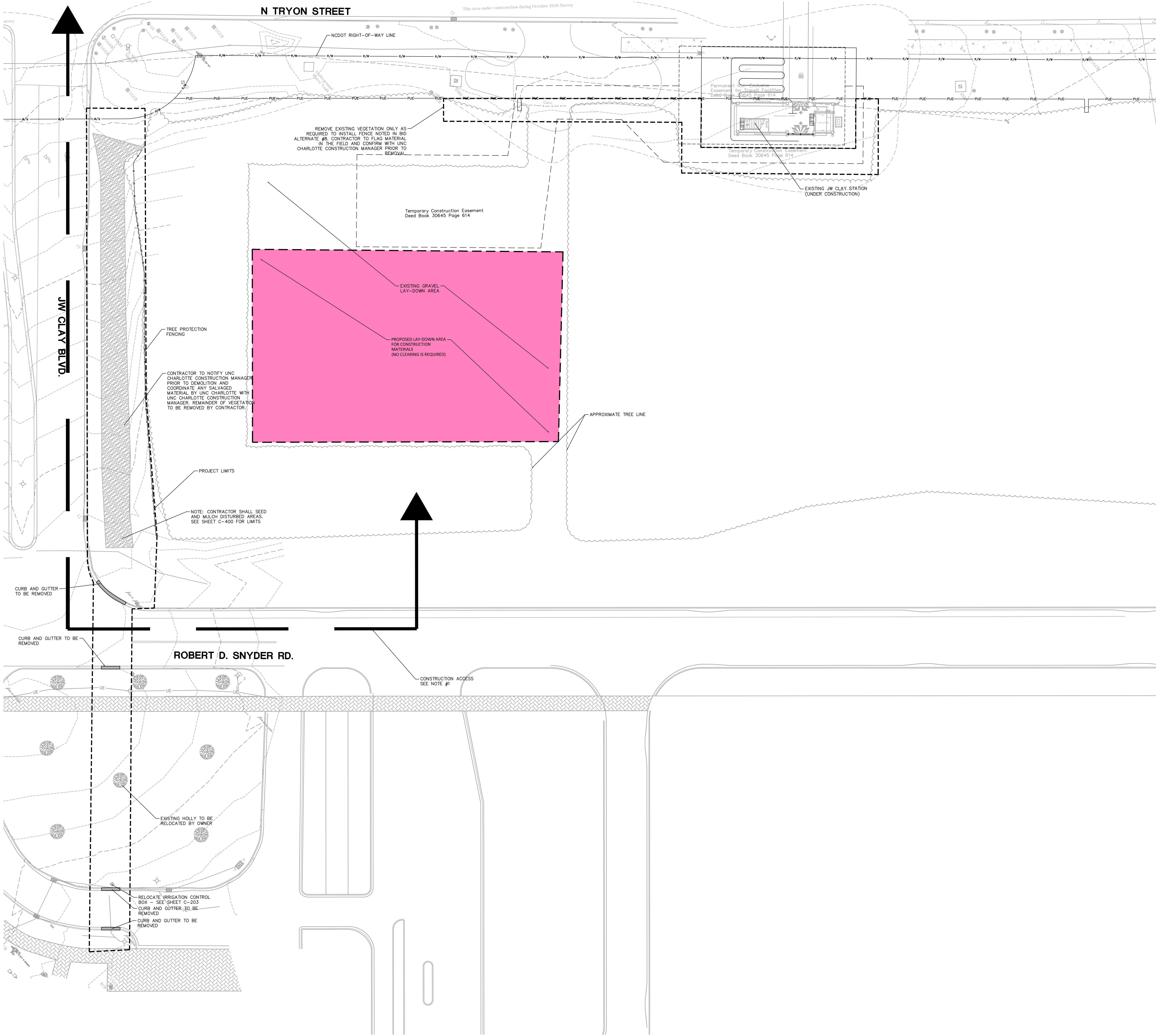


SCALE: 1" = 20'
0 10 20 40

C-102
(ADD ALTERNATE #2)

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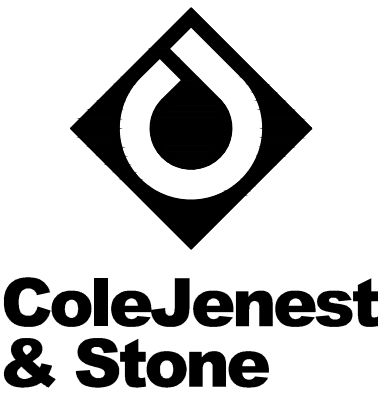
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LEGEND	
SYMBOL	
	PAVERS TO BE REMOVED -/-
	CURB TO BE REMOVED -/-
	VEGETATION TO BE REMOVED -/-
	TREE PROTECTION FENCING 18/C-801
	PROJECT LIMIT -/-
	CONSTRUCTION FENCE -/-
	SIDEWALK CLOSED SIGN -/-
	EXISTING LANDSCAPE -/-

NOTES:
1. CONTRACTOR SHALL ONLY USE THE FOLLOWING ACCESS ROUTE: N. TRYON ST., ROBERT D. SNYDER, EXISTING GRAVEL ROAD TO LAY DOWN/STORAGE AREA.



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CAMPUS CIRCULATION IMPROVEMENTS

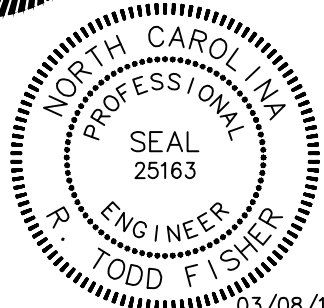
SCO ID# 16-14055
CODE 41526 ITEM 310

J.W. CLAY STATION DEMOLITION PLAN

Project No.
4496

Issued
03/08/2017 - BID SET

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SCALE: 1"= 20'
0 10 20 40

C-103
(BASE BID/ADD ALT. #7,8)

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- North Carolina 811**
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1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
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 3. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P, OR AS AMENDED.
 4. CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC-CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS PRIOR TO CONSTRUCTION.



BASE BID

BID ALTERNATE

SCOPE

BASE BID/ALT.#4
ADD ALT. #1
ADD ALT. #2
BASE BID/ALT. #7,8
BASE BID/ALT. #3,4,5
ADD ALT. #1
ADD ALT. #2
BASE BID/ALT. #7,8
BASE BID/ALT. #4,5

ADD ALT. #1

ADD ALT. #2

BASE BID/ALT. #7,8

BASE BID/ALT.#4
BASE BID/ALT. #6A/6B
ADD ALT. #1
ADD ALT. #2
ADD ALT. #6C
BASE BID/ALTS.
BASE BID/ALTS.
BASE BID/ALTS.

COMPANY: ALTA PLANNING AND DESIGN	
SHEET NUMBER	SHEET TITLE
C-900	MAIN STATION - SIGNAGE AND PAVEMENT MARKING PLAN
ADD ALT. #5	C-901 MAIN STATION - SIGNAL PLAN

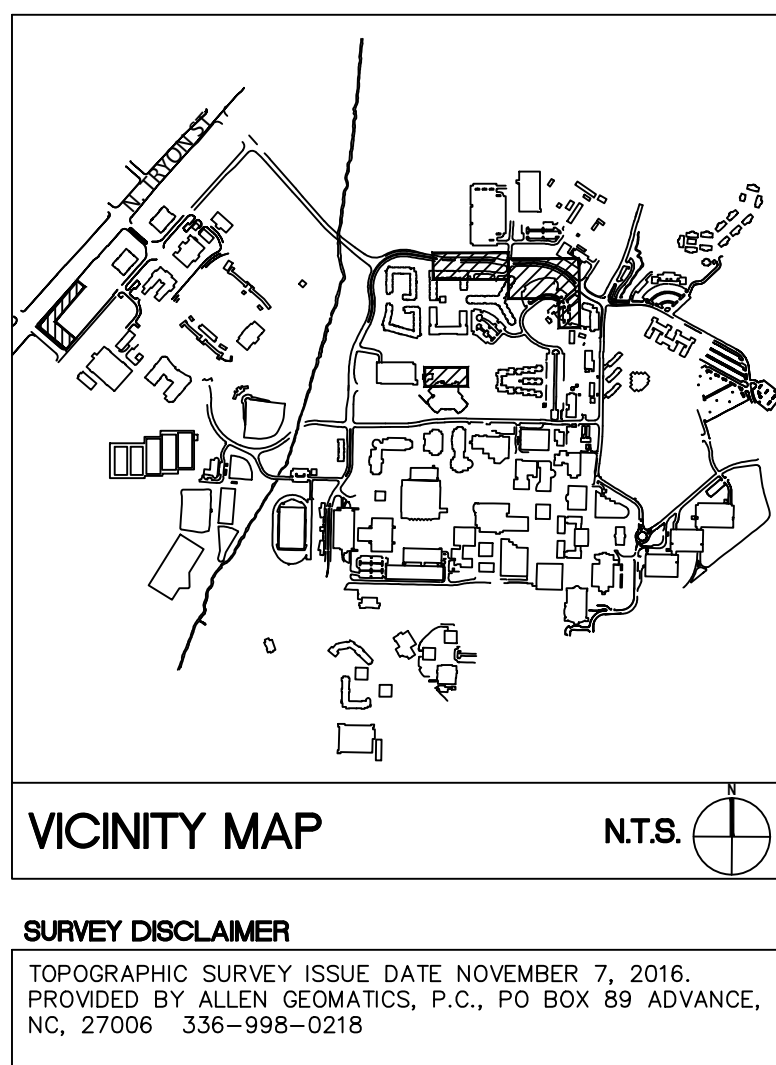
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E-201	CAMERON BLVD - SITE PLAN
E-202	STUDENT UNION - SITE PLAN

COMPANY: IRRIGATION INNOVATIONS	
SHEET NUMBER	SHEET TITLE
I-100	MAIN STATION - IRRIGATION PLAN
I-101	MAIN STATION - IRRIGATION DETAILS

ELM ENGINEERING
900 CENTER PARK DR.
CHARLOTTE, NC 28217
(704) 335-0396

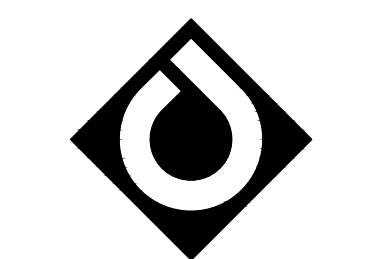
IRRIGATION INNOVATIONS
4218 CAHNNAS WAY
WAXHAW, NC 28173
(704) 256-4873

ALTA PLANNING & DESIGN
108 S MAIN ST
DAVIDSON, NC 28036
(704) 255-6200



SHEET INDEX

COMPANY: COLE JENEST & STONE	
SHEET NUMBER	SHEET TITLE
C-000	COVER SHEET
C-001	APPENDIX B
V-100	CAMERON BLVD - EXISTING CONDITIONS
V-101	CAMERON BLVD - EXISTING CONDITIONS
V-102	LOT 11 - EXISTING CONDITIONS
V-103	STUDENT UNION - EXISTING CONDITIONS
V-104	J.W. CLAY - EXISTING CONDITIONS
V-105	MAIN STATION - EXISTING CONDITIONS
C-100	MAIN STATION - DEMOLITION PLAN
C-101	CAMERON BLVD - DEMOLITION PLAN
C-102	STUDENT UNION - DEMOLITION PLAN
C-103	J.W. CLAY - DEMOLITION PLAN
C-200	MAIN STATION - STAKING & MATERIALS PLAN
C-201	CAMERON BLVD - STAKING & MATERIALS PLAN
C-202	STUDENT UNION - STAKING & MATERIALS PLAN
C-203	J.W. CLAY - STAKING & MATERIALS PLAN
C-400	MAIN STATION - GRADING, DRAINAGE AND EROSION CONTROL PLAN
ADD ALT. #1	C-401 CAMERON BLVD - GRADING, DRAINAGE AND EROSION CONTROL PLAN
ADD ALT. #2	C-402 STUDENT UNION - GRADING, DRAINAGE AND EROSION CONTROL PLAN
BASE BID/ALT. #7,8	C-403 J.W. CLAY - GRADING, DRAINAGE, AND EROSION CONTROL PLAN
BASE BID/ALT.#4 BASE BID/ALT. #6A/6B ADD ALT. #1 ADD ALT. #2 ADD ALT. #6C BASE BID/ALTS. BASE BID/ALTS. BASE BID/ALTS.	C-500 C-700 C-701 C-702 C-703 C-800 C-801 C-802 MAIN STATION - UTILITY PLAN MAIN STATION - PLANTING PLAN CAMERON BLVD - PLANTING PLAN STUDENT UNION - PLANTING PLAN J.W. CLAY - PLANTING PLAN SITE DETAILS SITE DETAILS SITE DETAILS



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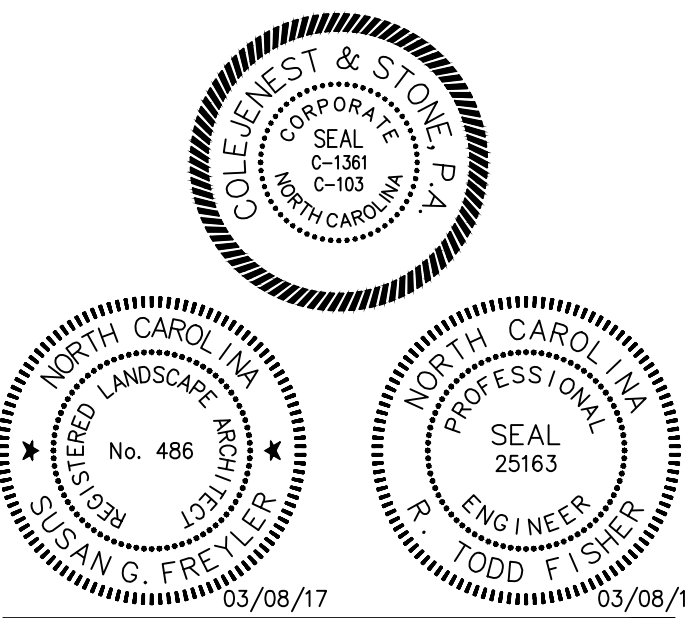
SCO ID# 16-14055
CODE 41526 ITEM 310

COVER SHEET

Project No.
4496

Issued
03/08/2017 -- BID SET

Revised



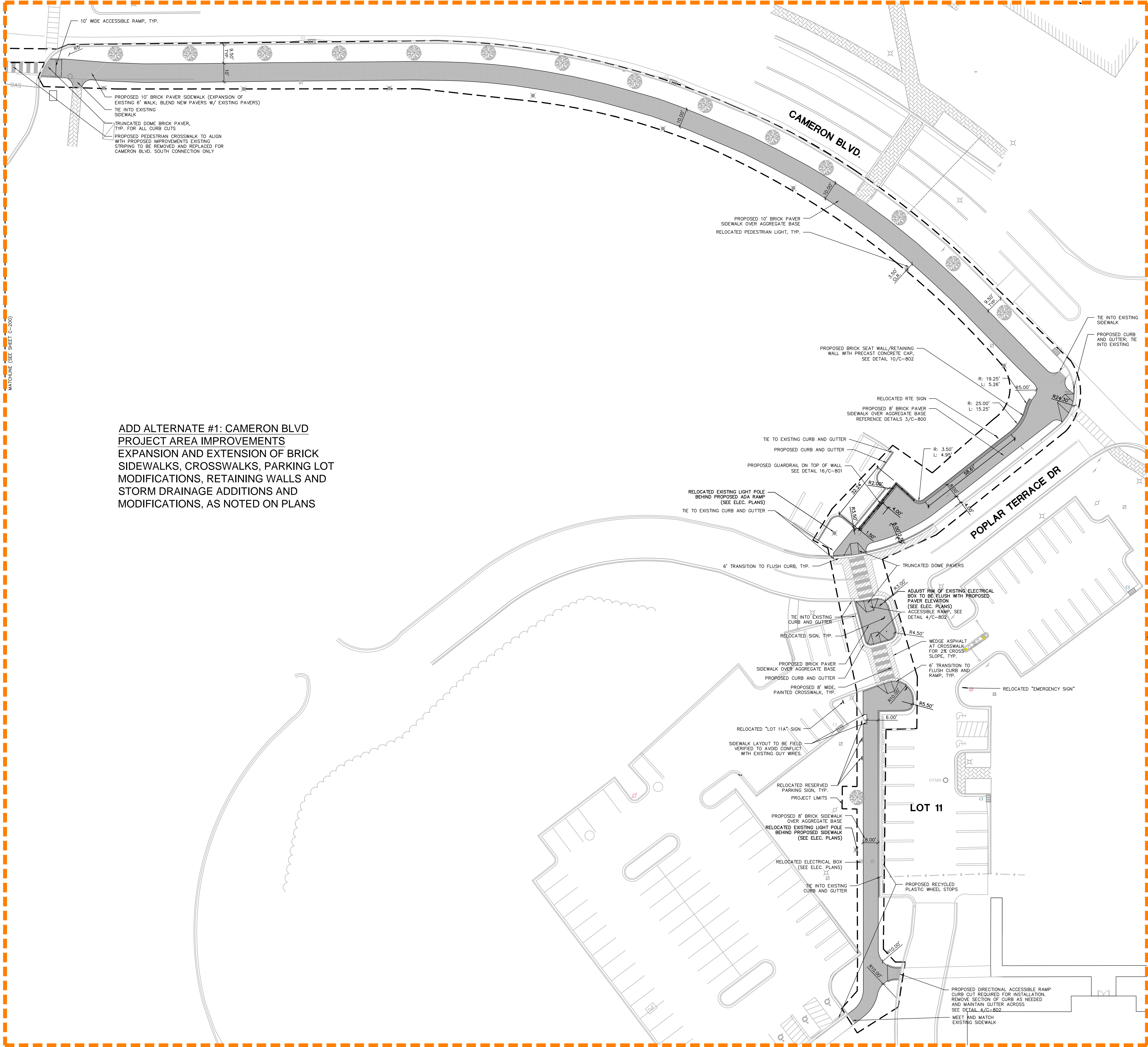
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C-000

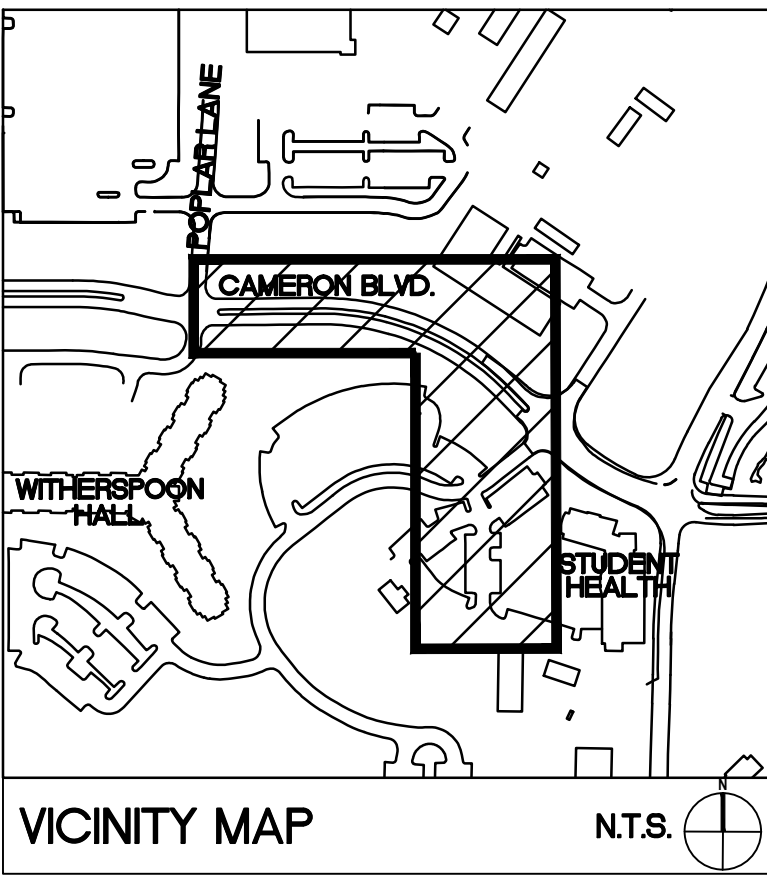
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MATCHLINE (SEE SHEET C-200)



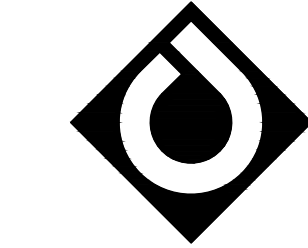
ADD ALTERNATE #1: CAMERON BLVD
PROJECT AREA IMPROVEMENTS
EXPANSION AND EXTENSION OF BRICK
SIDEWALKS, CROSSWALKS, PARKING LOT
MODIFICATIONS, RETAINING WALLS AND
STORM DRAINAGE ADDITIONS AND
MODIFICATIONS, AS NOTED ON PLANS



SURVEY DISCLAIMER
TOPOGRAPHIC SURVEY ISSUE DATE NOVEMBER 7, 2016.
PROVIDED BY ALLEN GEOMATICS, P.C., PO BOX 89 ADVANCE,
NC, 27006 336-998-0218

SYMBOL	DETAIL
	PROPOSED BRICK SIDEWALK 1-4/C-800
	PROPOSED ACCESSIBLE RAMP 4/C-802
	PROPOSED 1'-6" CURB & GUTTER 10/C-800
	EXISTING PEDESTRIAN LIGHTING -/-
	RELOCATED PEDESTRIAN LIGHTING -/-
	PROJECT LIMIT -/-
	PROPOSED ASPHALT PATCH 3/C-801

SEE SHEET C-200 FOR STAKING NOTES



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SCO ID# 16-14055
CODE 41526 ITEM 310

**CAMERON BLVD
- STAKING AND
MATERIALS
PLAN**

Project No.

4496

Issued

03/08/2017 - BID SET

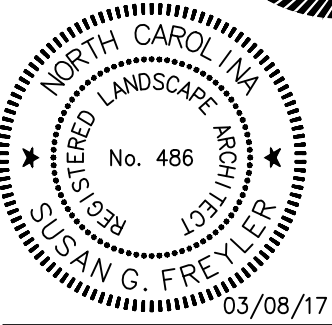
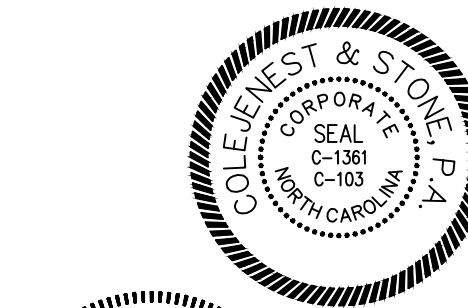
Revised

ALT #1

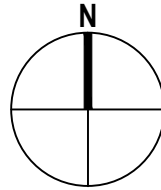
ALL WORK SHOWN ON THIS
PLAN INCLUDING:
DEMOLITION - C-101
GRADING & DRAINAGE - C-401
PLANTING - C-701
ELECTRICAL - E-201



1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
3. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P, OR AS AMENDED.
4. CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC-CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS PRIOR TO CONSTRUCTION.



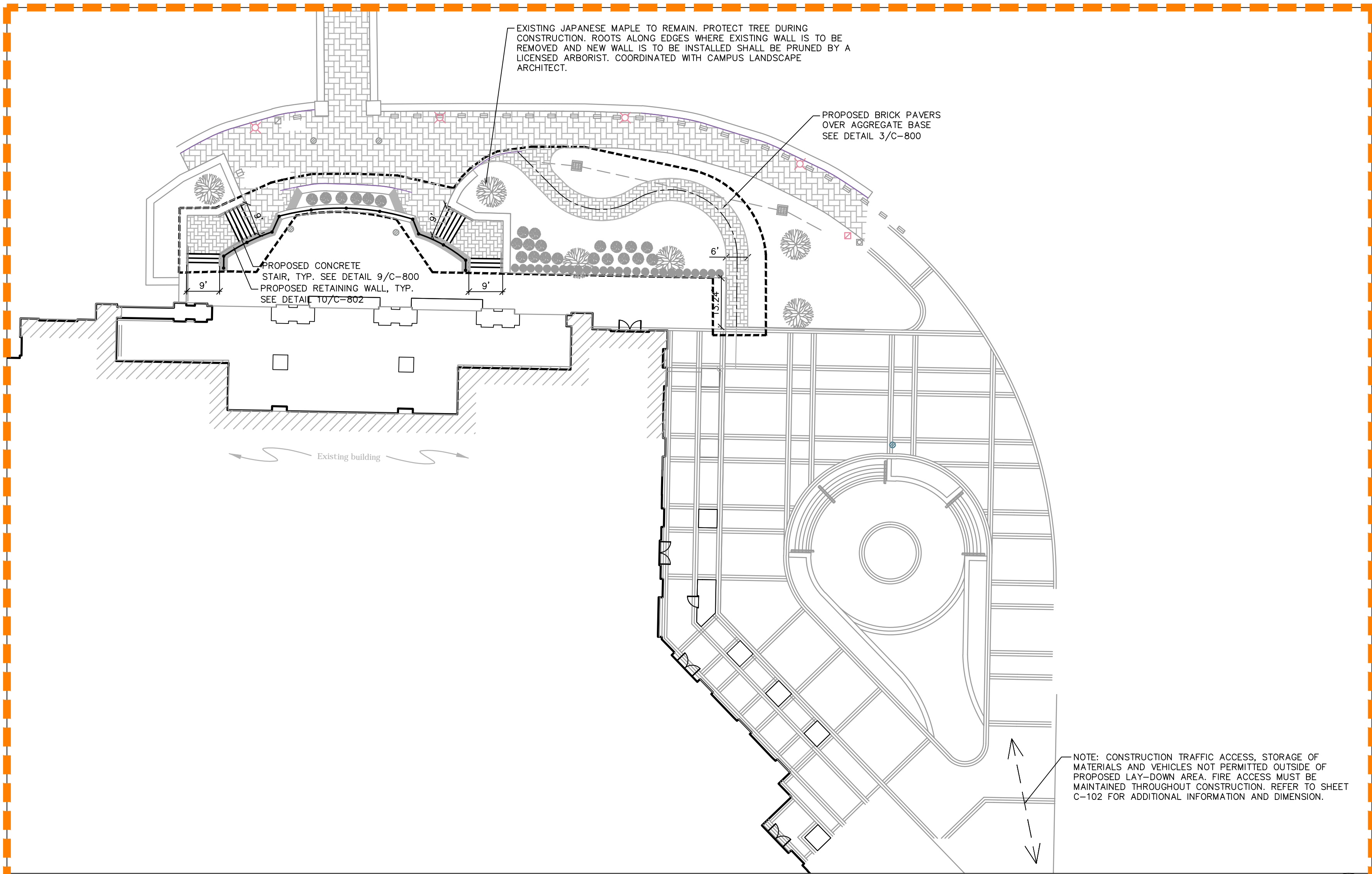
SCALE: 1"= 20'
0 10 20 40



C-201
(ADD ALTERNATE #1)

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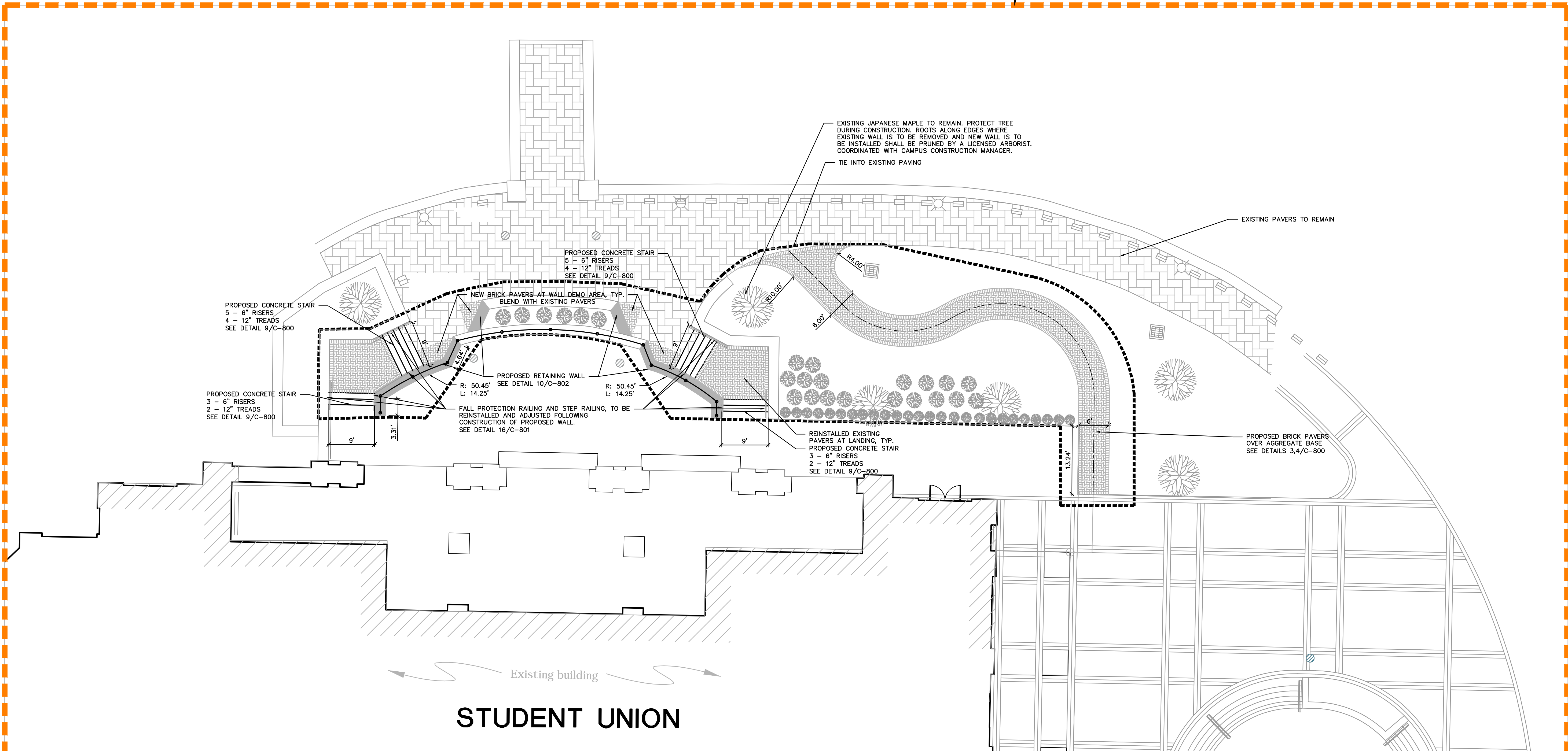
ColeJenest & Stone, P.A. 2016 ©



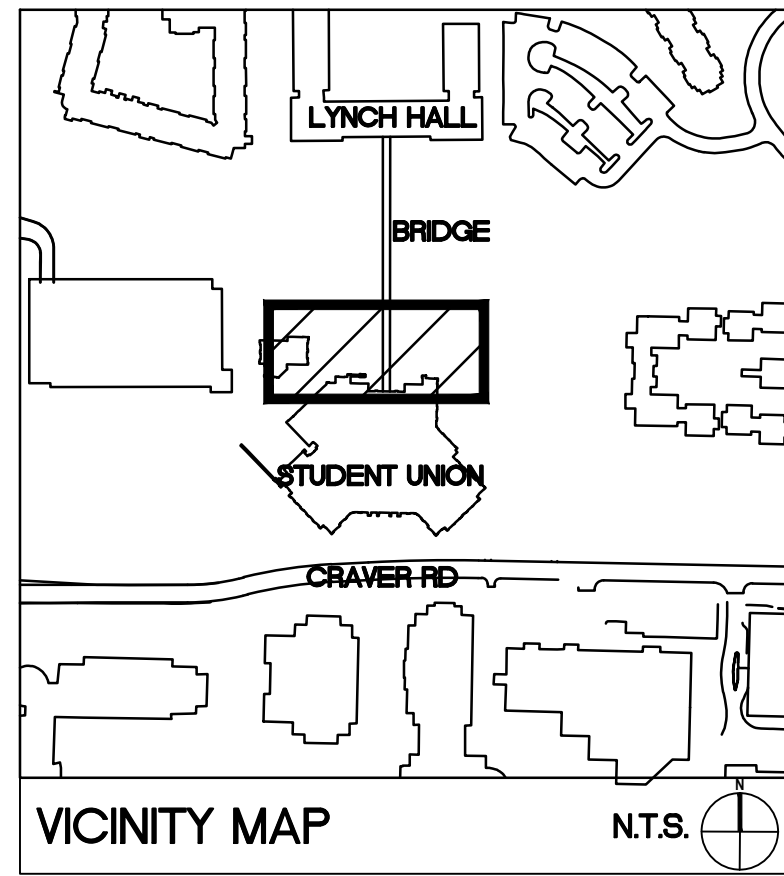
ALT #2

ADD ALTERNATE #2: STUDENT UNION
PROJECT AREA IMPROVEMENTS
EXPANSION AND EXTENSION OF
BRICK SIDEWALKS, STAIRS,
RETAINING WALLS AND RAILINGS AS
NOTED ON PLANS

PLAN SCALE: 1" = 20' 2

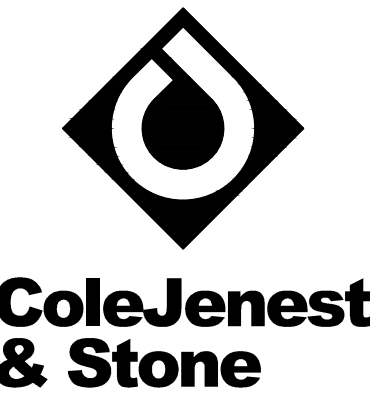


ENLARGEMENT SCALE: 1" = 10' 1



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NC, 27006 336-998-0218

LEGEND	
SYMBOL	DETAIL
	PROPOSED BRICK SIDEWALK 1-4/C-800
	EXISTING BRICK SIDEWALK -/-
	PROPOSED LIGHTING -/-
	PROJECT LIMIT -/-
SEE SHEET C-200 FOR STAKING NOTES	



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SCO ID# 16-14055
CODE 41526 ITEM 310

STUDENT UNION
- STAKING AND
MATERIALS
PLAN

Project No.

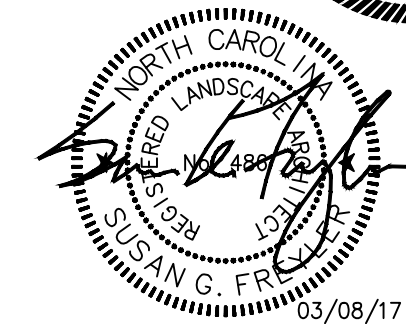
4496

Issued

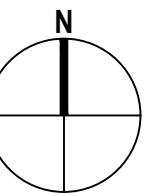
03/08/2017 - BID SET

Revised

ADD ALTERNATE #2:
ALL WORK SHOWN ON THIS PLAN
INCLUDING:
DEMOLITION - C-102
GRADING & DRAINAGE - C-402
PLANTING - L-702
ELECTRICAL - E-202



SCALE: 1" = 20'
0 10 20 40



C-202
(ADD ALTERNATE #2)

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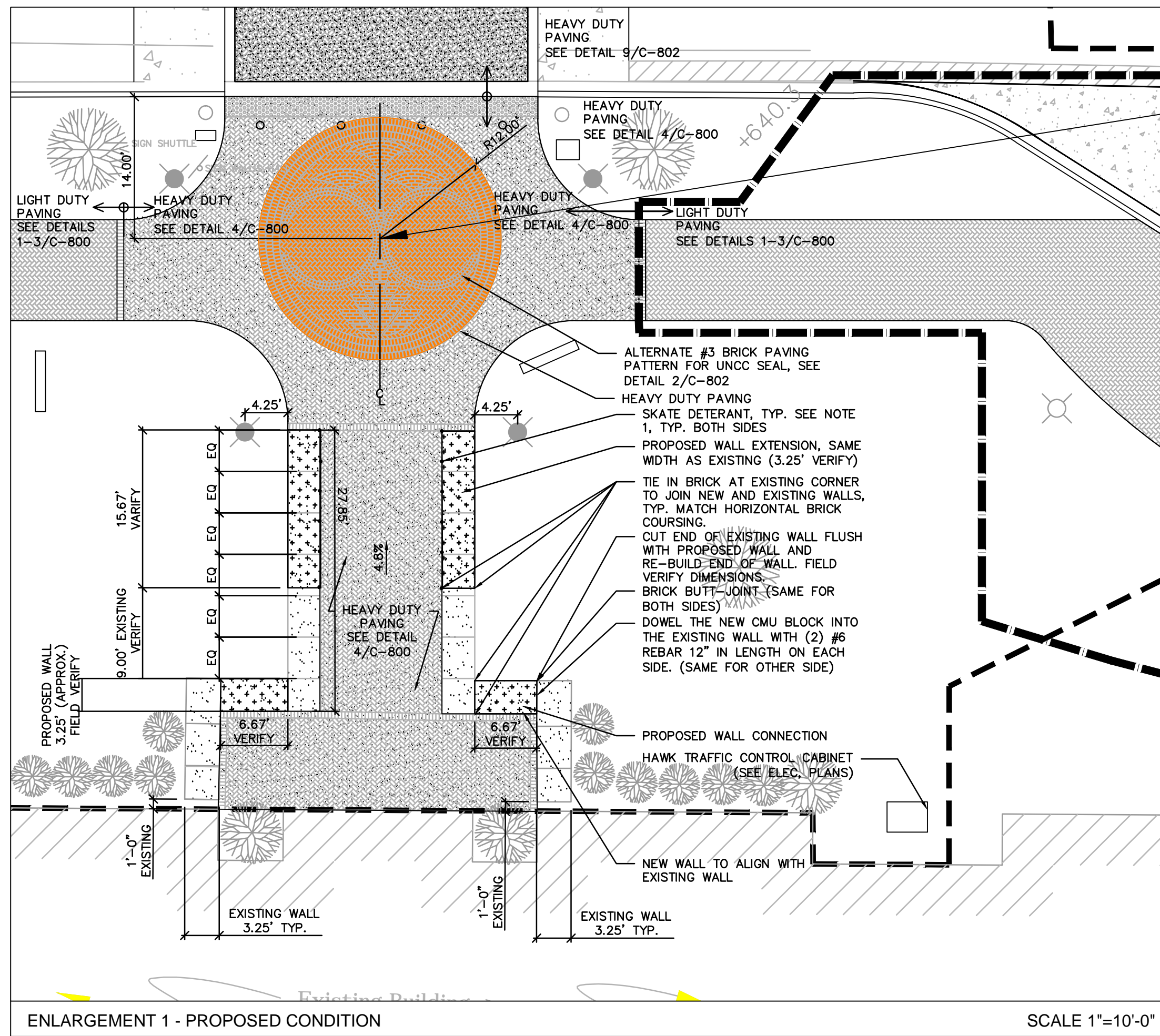
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1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING
APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE
LOCATED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING
FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
3. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS
PART 1926 SUBPART P, OR AS AMENDED.
4. CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC
CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS
PRIOR TO CONSTRUCTION.

STAKING AND MATERIALS NOTES

1. ALL DIMENSIONS ARE TO BACK OF CURB, FACE OF BUILDING, OR CENTERLINE UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE AT 90 DEGREES UNLESS OTHERWISE NOTED.
3. ALL BACK OF CURB RADI AT PARKING LOT ISLANDS ARE 4.5- FEET UNLESS OTHERWISE NOTED.
4. PARKING STALL DIMENSIONS ARE 18.0' (TO FACE OF CURB) X 9.0' WIDE UNLESS OTHERWISE NOTED.
5. ALL BACK OF CURB RADI AT ROADWAY INTERSECTIONS SHALL BE 20- FEET UNLESS OTHERWISE NOTED.
6. NOT USED.
7. ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS SHALL BE CALLED TO THE ATTENTION OF THE UNC CHARLOTTE CONSTRUCTION MANAGER AND DESIGNER PRIOR TO PROCEEDING WITH THE WORK.
8. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF UTILITIES, EASEMENTS, AND RIGHTS-OF-WAY, PUBLIC AND PRIVATE, PRIOR TO WORKING IN THESE AREAS.
9. ALL ASPHALT PAVING SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, LATEST EDITION.
10. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
11. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
12. ALL PARKING STALLS SHALL BE CONSTRUCTED PER THE UNC CHARLOTTE CAMPUS STANDARD PARKING SPACE DIMENSIONS AND STRIPING.
13. STOP SIGNS SHALL BE R1-1, 30"x30". SEE SHEET C-900 FOR ADDITIONAL DETAIL.
14. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
15. NO DEMOLITION LANDFILLS ALLOWED ON SITE.
16. ALL RELOCATED PEDESTRIAN LIGHT POLES, LOCATED ALONG THE PEDESTRIAN SIDEWALKS, SHALL BE INSTALLED 18" CLEAR, MEASURED FROM BASE OF FIXTURE TO EDGE OF PEDESTRIAN SIDEWALK.
17. FOR RELOCATED WALLIS HALL SIGN, USE FOOTING DETAIL SIMILAR TO DIRECTIONAL SIGNAGE DETAIL ON SHEET C-900. STAKE IN FIELD, FOR REVIEW BY CONSTRUCTION MANAGER PRIOR TO INSTALLATION.



ALT #3

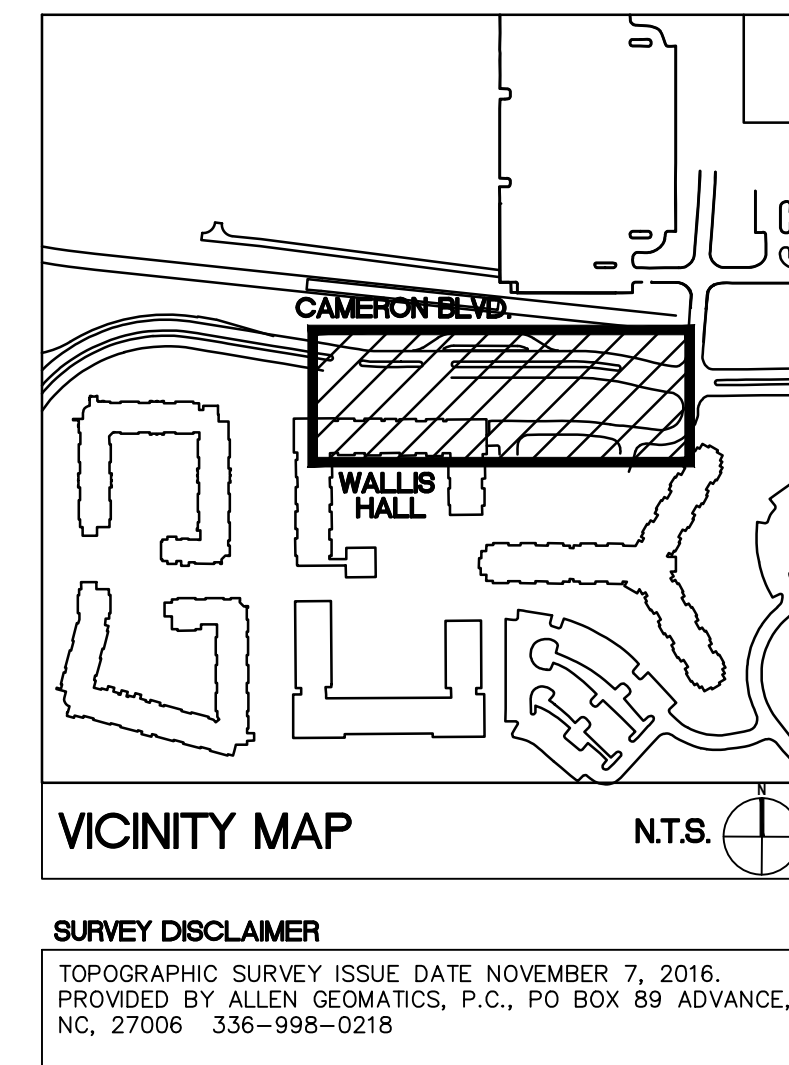
ALTERNATE #3: BRICK SEAL PAVING PATTERN IN SIDEWALK
CONSTRUCTION OF BRICK UNC-CHARLOTTE SEAL PAVING

ALTERNATE #4: ADD BUS DROP-OFF AND WIDEN SIDEWALK AT
THE MAIN STATION
HEAVY-DUTY CONCRETE PAVING, WIDENING EXISTING BRICK
WALK TO 8', ADDING ADDITIONAL CURB AND GUTTER,
REMOVAL OF TREES, PLANTING NEW TREES, NEW
EMERGENCY BLUE LIGHT AND ADDITIONAL PEDESTRIAN
LIGHT RELOCATIONS. NOT INCLUDING LANDSCAPE OTHER
THAN TREES; LANDSCAPE IS PRICED UNDER ALTERNATE 6B.
SEED

ALSO SEE: IRRIGATION - MAIN STATION
ELECTRICAL - MAIN STATION

ALTERNATE #5: ADD SIGNALIZED INTERSECTION AT THE MAIN
STATION
ADD PEDESTRIAN AND TRAFFIC SIGNAL POLES, BASES,
ELECTRICAL BOXES AND PANELS, WIRING AND SIGNAL HEADS

ALSO SEE: ELECTRICAL - MAIN STATION
SIGNAL PLAN - MAIN STATION



LEGEND

SYMBOL	EXISTING BRICK SIDEWALK	PROPOSED ACCESSIBLE RAMP	PROPOSED 1'-6" CURB & GUTTER	EXISTING PEDESTRIAN LIGHTING	RELOCATED PEDESTRIAN LIGHTING	PEDESTRIAN SIGNALIZATION	PROPOSED CONCRETE PAVING	PROPOSED ASPHALT PATCH	LIGHT DUTY BRICK PAVING	HEAVY DUTY BRICK PAVING	PROJECT LIMIT	ADD ALTERNATE LIMITS	PROPOSED HEAVY DUTY CONCRETE PAVING (ADD ALT. #4)	PROPOSED LIGHT DUTY ASPHALT PAVING	EXISTING BRICK PAVING TO REMAIN	WHEEL STOP
	4/C-802	10/C-800	-/-	-/-	-/-	-/-	11/C-800	13/C-801	4/C-800	4/C-800	-/-	-/-	5/C-801	1/C-801	-/-	9/C-801

ALT #4

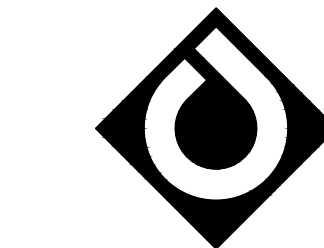
BASE BID

ADD ALTERNATE #3 - BRICK SEAL PAVING PATTERN IN WALK
WORK TO INCLUDE THE CONSTRUCTION OF THE BRICK UNCC SEAL PAVING PATTERN AT WALLIS HALL.
ADD ALTERNATE #4 - BUS DROP-OFF LANE AND SIDEWALK
EXPANSION EAST OF WALLIS HALL
WORK TO INCLUDE ADDING HEAVY-DUTY CONCRETE PAVING, WIDENING EXISTING BRICK WALK TO 8', ADDING ADDITIONAL CURB AND GUTTER, REMOVAL OF TREES, PLANTING NEW TREES, NEW EMERGENCY BLUE LIGHT AND ADDITIONAL PEDESTRIAN LIGHT RELOCATIONS.
ADD ALTERNATE #5 - SIGNALIZED PEDESTRIAN CROSSING
WORK TO INCLUDE ADDING THE PEDESTRIAN AND TRAFFIC SIGNAL POLES, BASES, ELECTRICAL BOXES, WIRING AND SIGNAL HEADS. THE CONDUIT FOR THE WIRING (INCLUDING THE CAPS FOR THE CONDUIT) WILL BE INCLUDED IN THE BASE BID.

ALT #5

LIMITS OF ADD ALTERNATE #4

BASE BID:
ALSO SEE: IRRIGATION - MAIN STATION
ELECTRICAL - MAIN STATION
SIGNAGE AND PAVEMENT - MAIN STATION



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SCO ID# 16-14055
CODE 41526 ITEM 310

MAIN STATION - STAKING AND MATERIALS PLAN

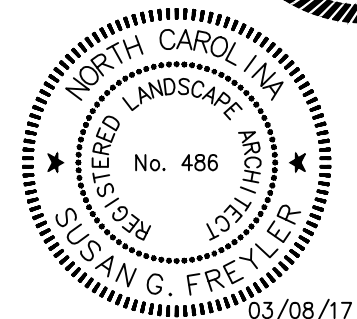
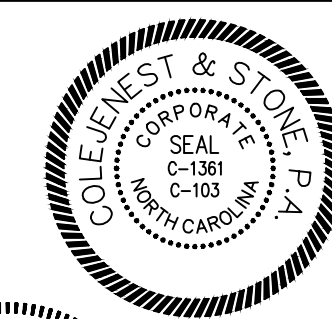
Project No.

4496

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03/08/2017 - BID SET

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SCALE: 1" = 20'
0 10 20 40

C-200

(BASE BID/ALT #3,4,5)

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PLANT SCHEDULE BASE BID			
QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
5,259 SQ. FT.	SEED (SEE SPECIFICATIONS)	-	

PLANT SCHEDULE ALTERNATE #6A			
QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
2	LIVE OAK	4" CAL.	AS SHOWN
2	CAMELLIA 'MAGNOLIAEFLORA'	36"-48" HT.	AS SHOWN
50	LEUCOTHOE 'RAINBOW'	18"-24" SPR.	AS SHOWN
160	'WHITE PEARL' LENTEN ROSE	8"-12" HT.	AS SHOWN
5,259 SQ. FT.	SOD (SEE SPECIFICATIONS)	-	

PLANT SCHEDULE ALTERNATE #6B			
QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
5	'WIRT L. WINN' HOLLY	7"-8" HT.	AS SHOWN
3	LIVE OAK	4" CAL.	AS SHOWN
2	CAMELLIA 'MAGNOLIAEFLORA'	36"-48" HT.	AS SHOWN
50	LEUCOTHOE 'RAINBOW'	18"-24" SPR.	AS SHOWN
160	'WHITE PEARL' LENTEN ROSE	8"-12" HT.	AS SHOWN
364	LIRIOPE SPICATA	8"-12" HT.	AS SHOWN
9,857 SQ. FT.	SOD (SEE SPECIFICATIONS)	-	

ADD ALT #6A

ADD ALT #6B

PLANTING NOTES

1. SIZE AND GRADING STANDARDS OF PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF "USA STANDARDS FOR NURSERY STOCK", BY THE AMERICAN ASSOCIATION OF NURSERYMAN, INC.
 2. HEIGHT AND WIDTH SPECIFICATIONS INDICATED ON PLAN SHALL TAKE PRECEDENCE OVER CONTAINER SIZE AND CALIPER.
 3. CONTRACTOR SHALL MULCH ALL SHRUB BEDS WITH 4" AGED SHREDDED HARDWOOD BARK. CONTRACTOR SHALL MULCH ALL ANNUAL/PERENNIAL BEDS WITH 1" PINE BARK FINES.
 4. ALL DISTURBED AREAS NOT OTHERWISE PLANTED SHALL BE SEED BY THE CONTRACTOR (BASE BID) OR SODDED BY THE CONTRACTOR (BID ALT 6A/6B).
 5. CONTRACTOR SHALL REMOVE ALL HARD LUMPS OF CLAY, STONES OVER 1" IN DIAMETER, AND ALL CONSTRUCTION DEBRIS INCLUDING GRAVEL, ROOTS, LIMBS AND OTHER DELETERIOUS MATTER WHICH WOULD BE HARMFUL, OR PREVENT PROPER ESTABLISHMENT AND/OR MAINTENANCE OF LAWN AND PLANTING AREAS.
 6. IN AREAS WHERE CONSTRUCTION GRAVEL IS EMBEDDED IN THE SOIL, CONTRACTOR SHALL REMOVE CONTAMINATED SOIL TO A DEPTH OF 18" AND FILL WITH CLEAN TOPSOIL. CONTRACTOR SHALL IMPORT TOPSOIL AT NO CHARGE TO OWNER IF REQUIRED TO FILL THESE EXCAVATIONS.
 7. CONTRACTOR SHALL RESOD LAWN AREAS DAMAGED DUE TO PLANT MATERIAL INSTALLATION.
 8. ALL STRAPPING AND TOP 2/3 OF WIRE BASKET SHALL BE CUT AWAY AND REMOVED BY THE CONTRACTOR FROM ROOT BALL PRIOR TO BACKFILLING PLANTING PIT. CONTRACTOR SHALL REMOVE TOP 1/3 OF THE BURLAP FROM ROOT BALL.
- FOR NEW TREE PLANTING AREAS, CONTRACTOR SHALL REMOVE ALL PAVEMENT, GRAVEL, SUB-BASE AND CONSTRUCTION DEBRIS; REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL, OR AMEND THE TOP 24" OF EXISTING SOIL, TO MEET SPECIFIED TOPSOIL/PLANTING MIX STANDARDS FOR TREES, INCLUDE IN BASE BID.
9. LARGE MATURING TREES SHALL BE A MINIMUM 25 TO 30 FEET FROM OVERHEAD DISTRIBUTION OR TRANSMISSION LINES. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO RESOLVE BEFORE PLANTING.
 10. MINIMUM TREE SIZE AT PLANTING SHALL BE 3 INCH CALIPER FOR LARGE MATURING TREES AND 2 INCH CALIPER FOR SMALL MATURING TREES. ALL MULTI-STEM PLANTS SHALL BE TREE FORM, MAXIMUM THREE TO FIVE TRUNKS, AND A MINIMUM EIGHT FEET TALL.
 11. INSTALLER SHALL BE RESPONSIBLE TO REPAIR OR REPLACE PLANTINGS THAT FAIL IN MATERIALS, WORKMANSHIP, OR GROWTH WITHIN SPECIFIED WARRANTY PERIOD (ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER).
 12. FOR SEEDDED AREAS, AN ACCEPTABLE LAWN AT THE END OF THE MAINTENANCE PERIOD SHALL CONSIST OF A HEALTHY, UNIFORM, CLOSE STAND OF GRASS, FREE OF WEEDS AND SURFACE IRREGULARITIES, WITH TOTAL GRASS COVERAGE EXCEEDING 80 PERCENT OVER ANY 10 SQ. FT. AND BARE SPOTS NOT EXCEEDING 5 BY 5 INCHES, WITH AT LEAST 80% OF THE TOTAL GRASS COVERAGE CONSISTING OF THE SPECIFIED GRASS SPECIES.
 13. ANY AND ALL DAMAGE TO EXISTING IRRIGATION SYSTEM IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR. CONTRACTOR TO COORDINATE WITH CONSTRUCTION MANAGER TO ENSURE IRRIGATION TEAM INSPECTS THE REPAIR WORK BEFORE IT IS COVERED UP.

TREE PROTECTION NOTES

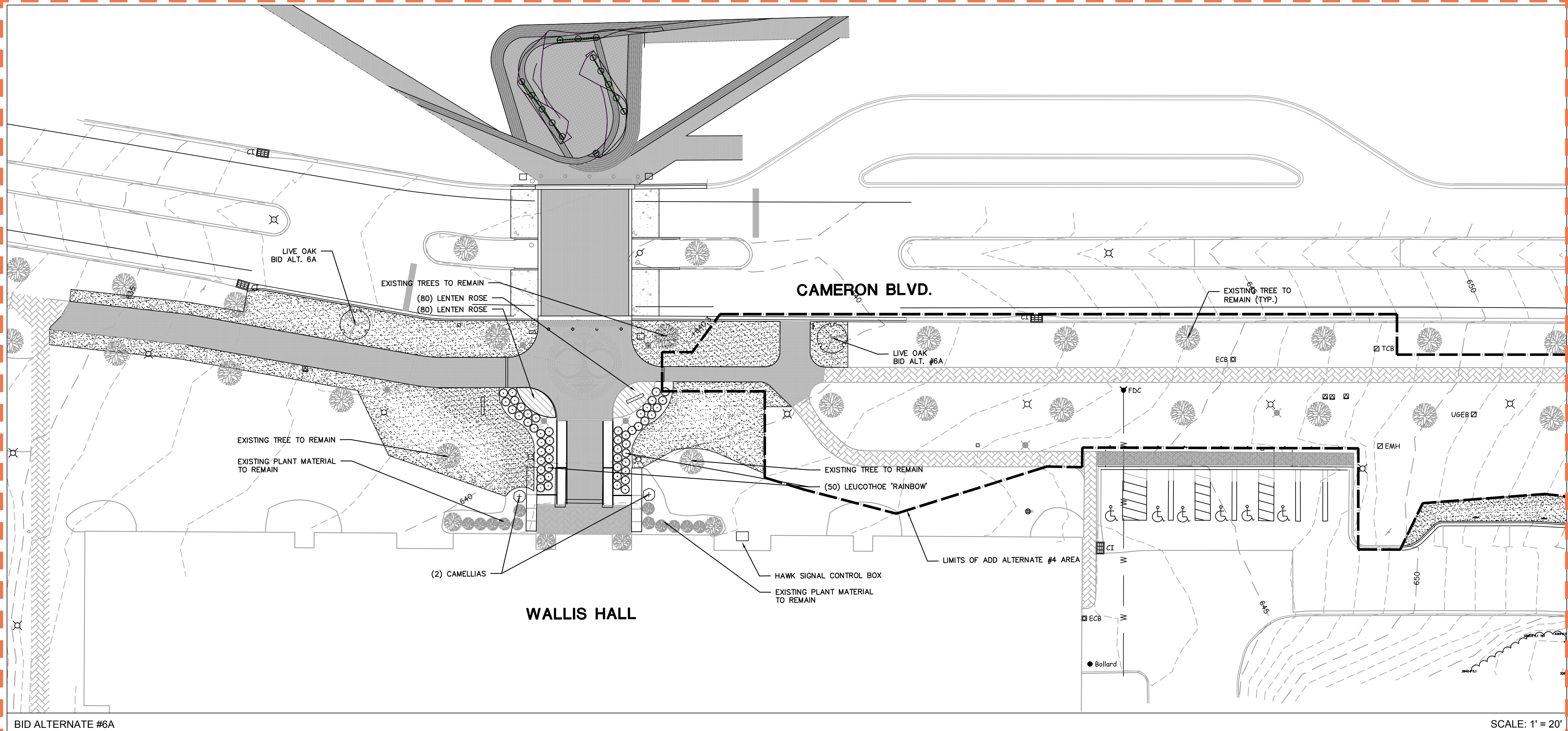
1. TREE PROTECTION FENCING MUST BE INSTALLED BEFORE ANY DEMOLITION, CLEARING OR GRADING BEGINS, AND NOT REMOVED UNTIL FINAL INSPECTION.
2. THE TREE PROTECTION FENCE SHALL BE LOCATED ALONG THE PERIMETER OF THE TREE SAVE AREA (DRILL LINE PLUS 5 FEET). TREE PROTECTION FENCING FOR A FOREST CANOPY STAND AREA IS TO BE LOCATED ALONG THE PERIMETER OF THE TREE SAVE AREA AROUND THE FOREST EDGE. TREE PROTECTION FENCING SHALL CONSIST OF ORANGE SAFETY FENCING OR A COMBINATION OF ORANGE SAFETY FENCING WITH SILT FENCING AT A MINIMUM OF 4 FEET IN HEIGHT ON METAL OR WOOD POSTS.
3. NO SOIL DISTURBANCE OR COMPACTION, STOCK PILING OF SOIL OR OTHER CONSTRUCTION MATERIAL, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT AND MATERIALS ARE ALLOWED WITHIN THE TREE SAVE AREA.
4. NO ROPES, SIGNS, WIRES, UNPROTECTED ELECTRICAL INSTALLATION OR OTHER DEVICE OR MATERIAL, SHALL BE SECURED OR FASTENED AROUND OR THROUGH A TREE OR SHRUB.
5. ALL PROTECTIVE MEASURES SHALL BE MAINTAINED THROUGHOUT THE LAND DISTURBING AND CONSTRUCTION PROCESS, AND SHALL NOT BE REMOVED UNTIL FINAL LANDSCAPING IS INSTALLED.

LEGEND

SYMBOL	DETAIL
	EXISTING TREELINE --/
	PROPOSED TREELINE --/
	EXISTING TREE --/
	PROPOSED TREE 17/C-801
	PROPOSED SHRUBS 17/C-801
	PROPOSED GROUNDCOVER --/
	PROPOSED SOD --/
	PROPOSED LIGHT FIXTURE --/ SEE ELECTRICAL PLAN

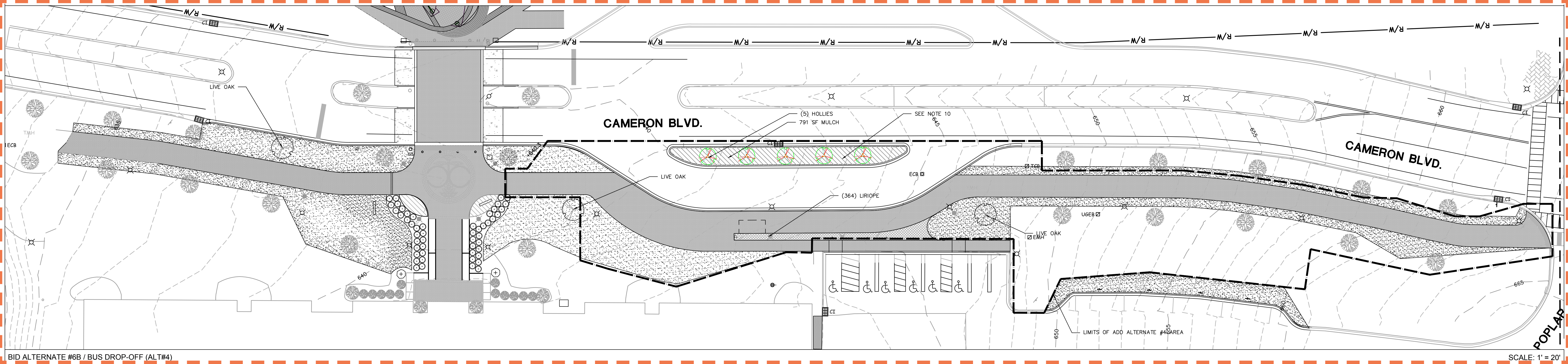
ADD ALT #6A

ADD ALT #6B



BID ALTERNATE #6A

SCALE: 1" = 20'



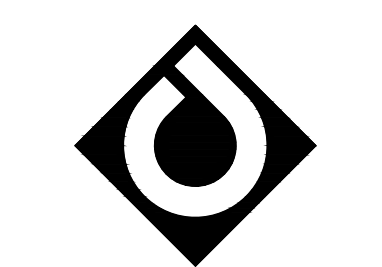
BID ALTERNATE #6B / BUS DROP-OFF (ALT#4)

SCALE: 1" = 20'

BASE BID: DOES NOT INCLUDE ANY PLANT MATERIAL OTHER THAN SEEDING/MULCHING DISTURBED AREAS

BASE BID

1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
3. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P, OR AS AMENDED.
4. CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS PRIOR TO CONSTRUCTION.



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**CAMPUS
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IMPROVEMENTS**

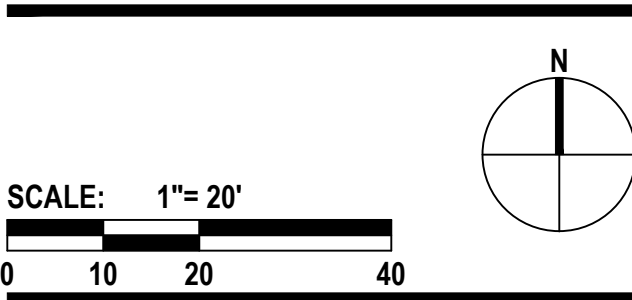
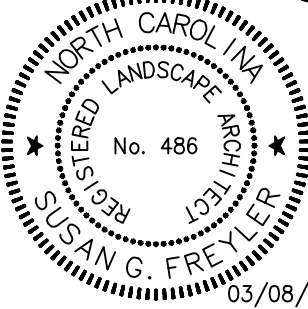
SCO ID# 16-14055
CODE 41526 ITEM 310

**MAIN STATION -
PLANTING PLAN
(WALLIS HALL)**

Project No.
4496

Issued
03/08/2017 - BID SET

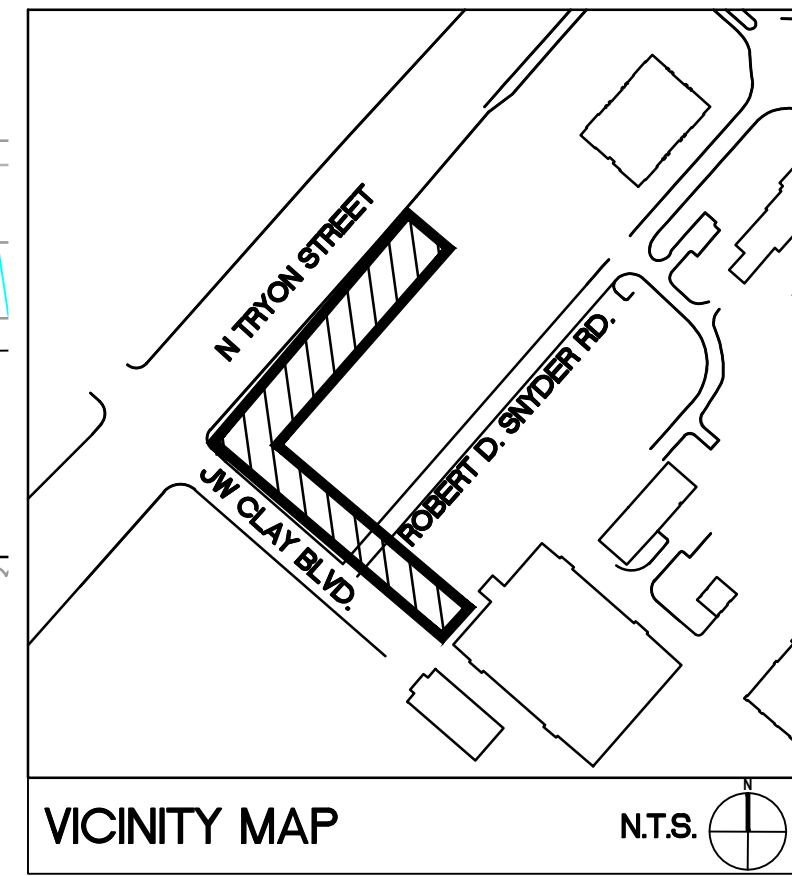
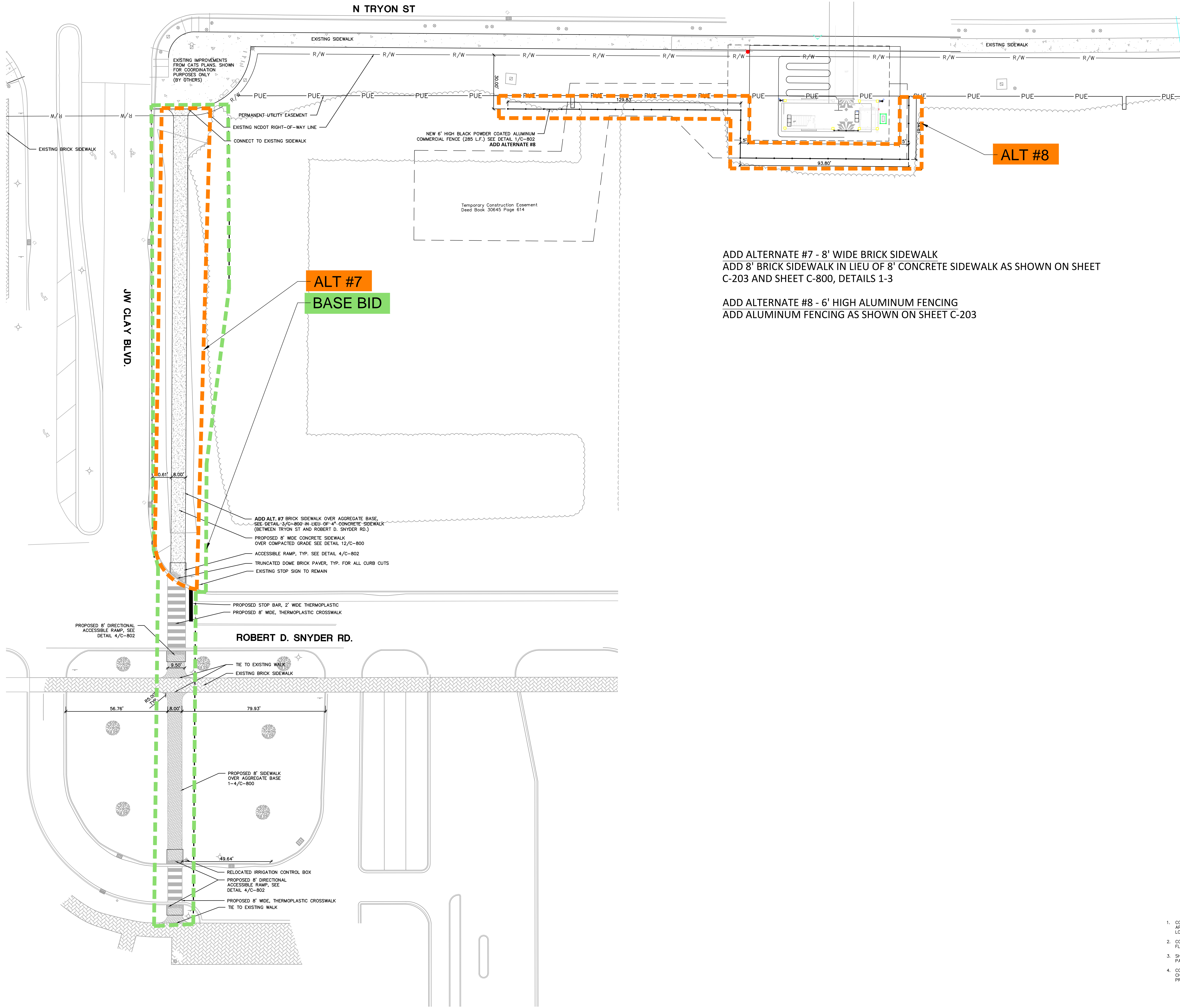
Revised



C-700
(BASE BID/ALT. #6A/6B)

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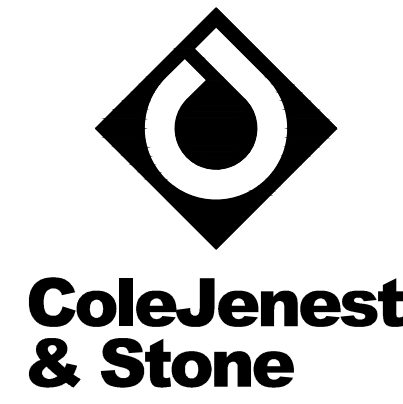
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SYMBOL	DETAIL
	EXISTING BRICK SIDEWALK -/-
	PROPOSED BRICK SIDEWALK 1-4/C-800
	PROPOSED ACCESSIBLE RAMP 16/C-801
	PROPOSED LIGHTING -/-
	EXISTING LIGHTING -/-
	PROPOSED CONCRETE SIDEWALK 12/C-800
	PROJECT LIMIT -/-

SEE SHEET C-200 FOR STAKING NOTES



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CAMPUS CIRCULATION IMPROVEMENTS

SCO ID# 16-14055
CODE 41526 ITEM 310

J.W. CLAY - STAKING AND MATERIALS PLAN

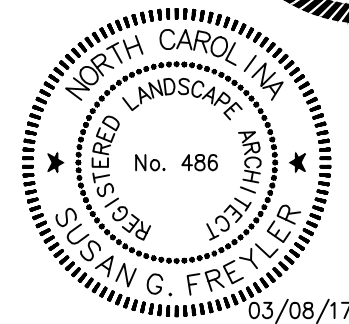
Project No.

4496

Issued

03/08/2017 - BID SET

Revised



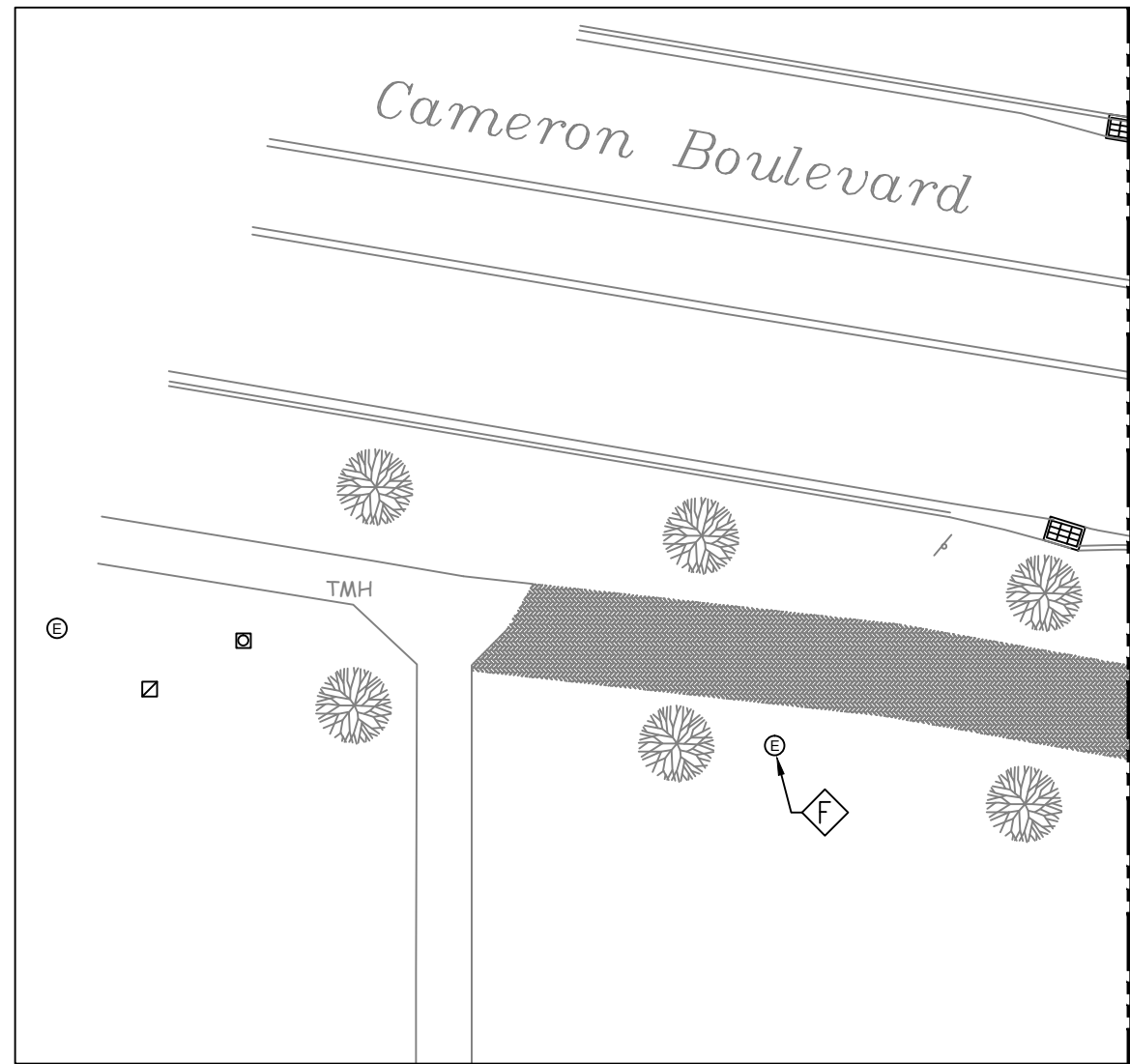
- CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
- SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P, OR AS AMENDED.
- CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC-CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS PRIOR TO CONSTRUCTION.

SCALE: 1"= 20'
0 10 20 40

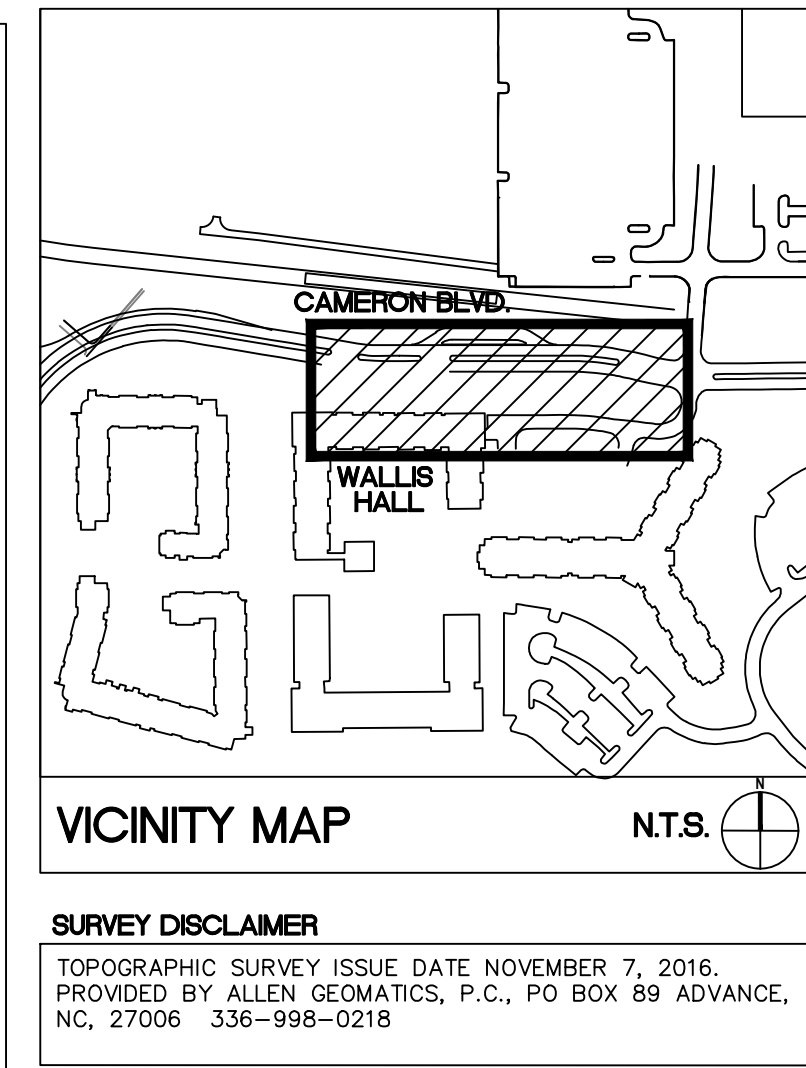
C-203 (BASE BID/ALT. #7,8)

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GENERAL NOTES:	KEY NOTES
1. ALL ELECTRICAL LINES SERVING NEW PEDESTRIAN AND TRAFFIC CONTROLS SHALL BE LOCATED UNDERGROUND.	Ⓐ NEW 12" X 12" HAND HOLE FOR SITE LIGHTING CIRCUITS PROVIDE NEW 2#10, 1#10G, 1" TO RECONNECT EXISTING CIRCUIT.
2. PROVIDE TRAFFIC RATED HAND HOLES AS NECESSARY FOR ROUTING CONDUITS UNDER GROUND AND RECONNECT EXISTING SITE LIGHTING.	Ⓑ LOCATION FOR RELOCATED EXISTING SITE LIGHTING POLE. SEE DETAIL FOR PAVEMENT MOUNTING. PROVIDE NEW POLE BASE. EXTEND CONDUIT AND RECONNECT TO EXISTING SITE LIGHTING CIRCUIT WITH 2#12, 1#12G, 1".
3. SEE PLANTING PLAN FOR TREE LOCATIONS	Ⓒ NEW SIGNAL LIGHT AND POLE, DECORATIVE TO MATCH PEDESTRIAN LIGHTING POLES. SEE SHEET C-900 & C-901, SEE DETAIL 12/E-102, COORDINATE FINAL STYLE, HEIGHT, FINISH, LOCATION, ETC. WITH C.M.
4. REFER TO CIVIL PLANS FOR EXISTING POLES TO REMAIN, BE RELOCATED, OR TO BE REMOVED. PROVIDE NEW WIRING (2#10, 1#10, 1") TO EXTEND EXISTING CIRCUITS TO NEW LIGHT POLE LOCATIONS.	Ⓓ PROVIDE CONDUIT SLEEVES TO ENCLOSE EXISTING EXPOSED WIRING INTO ENCLOSURES
5. PROVIDE STAINLESS STEEL LOCKABLE GASKETED ENCLOSURE TO PROTECT EQUIPMENT & CONTROLS FOR EACH TRAFFIC CONTROL CABINET.	Ⓔ PROVIDE NEW 24"x24"x18" D HAND HOLE FOR POWER DISTRIBUTION
6. COORDINATE AND CONFIRM FINAL LOCATION OF LIGHTS WITH UNCC CONSTRUCTION MANAGER IN THE EVENT A PROPOSED LIGHT POLE LOCATION IS IN CONFLICT WITH AN EXISTING OR PROPOSED UTILITY.	Ⓕ PROVIDE UL LISTED LED RETROFIT KIT FROM ORIGINAL EQUIPMENT MANUFACTURER
7. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CALL NORTH CAROLINA ONE-CALL CENTER (1-800-632-4349) AND UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE AT LEAST 48 HOURS PRIOR TO UNDERGROUND WORK TO HAVE EXISTING UTILITIES LOCATED. REPORT ANY DISCREPANCIES TO THE ENGINEER.	Ⓖ EXISTING SITE STREET LIGHT TO REMAIN.
8. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTRACT WITH PRIVATE UTILITY LOCATOR TO HAVE ALL EXISTING UTILITIES LOCATED.	Ⓗ PROVIDE (4) 20A-120V NEMA 5-20R GFCI RECEPTACLES FOR TRAFFIC CONTROL SYSTEM.
9. ALL EXISTING UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. CONTRACTOR IS FULLY RESPONSIBLE TO FIELD VERIFY ACTUAL LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.	Ⓘ PROVIDE NEW STAINLESS STEEL PANELBOARD ENCLOSURE, ON 60"x36" CONCRETE PAD, SEE DETAIL.
10. THE CONTRACTOR SHALL ENSURE THAT ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AND STANDARDS ARE FOLLOWED DURING ALL PHASES OF THE CONSTRUCTION PROJECT. SHEETING OR BRACING SHALL BE USED WHENEVER NECESSARY TO PREVENT FAILURE OF THE TRENCH BANKS. ALL SHEETING SHALL CONFORM TO AASHTO AND OSHA SAFETY STANDARDS.	Ⓙ EXISTING BLUE LIGHT TO REMAIN UNDER BASE BID. REMOVE EXISTING BLUE LIGHT PHONE, ASSOCIATED CONDUIT, WIRE AND HAND HOLES UNDER ALTERNATE #4.
11. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE SIGNS, BARRICADES, WARNING LIGHTS, GUARD RAILS, AND EMPLOY FLAGGERS AS NECESSARY WHEN CONSTRUCTION ENDANGERS EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THESE DEVICES SHALL REMAIN IN PLACE UNTIL THE TRAFFIC MAY PROCEED NORMALLY AGAIN.	Ⓚ LOCATION FOR NEW BLUE LIGHT PHONE AND ASSOCIATED EQUIPMENT. PROVIDE NEW 2#10, 1#10G IN 1" TO NEW LOCATION. COORDINATE WITH UNCC I.T. STAFF FOR NEW TELECOM CABLE. PROVIDE 1/4" TO WALLS BLDG I.T. ROOM. PROVIDE ONE 12" X 12" HAND HOLE FOR POWER AND ONE 12" X 12" HAND HOLE FOR TELECOM.
12. CONSTRUCTION WORK ZONE SIGNS AND SIGNING PROCEDURES SHALL CONFORM TO THE MUTCD AND SUPPLEMENTS AND TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.	Ⓛ EXTEND EXISTING CIRCUIT TO NEW PEDESTRIAN LIGHT POLE LOCATION.
13. SEE SHEET C-900 FOR LOCATION OF PEDESTRIAN SIGNAL POLES.	Ⓜ NEW PEDESTRIAN LIGHT POLE LOCATION, PROVIDE NEW BASE, POLE AND LIGHT TO MATCH EXISTING SURROUNDING PEDESTRIAN DECORATIVE 'ANP' FIXTURES AND POLES. SEE DETAIL 6/E-102 PROVIDE UL LISTED LED KIT TO MATCH RETROFIT FIXTURES. COORDINATE WITH OWNER.
14. ADJUST ALL EXISTING ELECTRICAL HAND HOLES VERTICALLY AND HORIZONTALLY AS REQUIRED TO AVOID NEW CONDITIONS, FLUSH WITH SURROUNDING SURFACES AND COORDINATE WITH CIVIL DRAWINGS AND OWNER FINAL LOCATIONS.	Ⓨ EXISTING PEDESTRIAN LIGHT POLE LOCATION, PROVIDE NEW POLE AND LIGHT TO MATCH EXISTING SURROUNDING PEDESTRIAN DECORATIVE 'ANP' FIXTURES AND POLES, MOUNT TO EXISTING BASE AND CONNECT TO EXISTING CIRCUIT. PROVIDE UL LISTED LED KIT TO MATCH RETROFIT FIXTURES. COORDINATE WITH OWNER.



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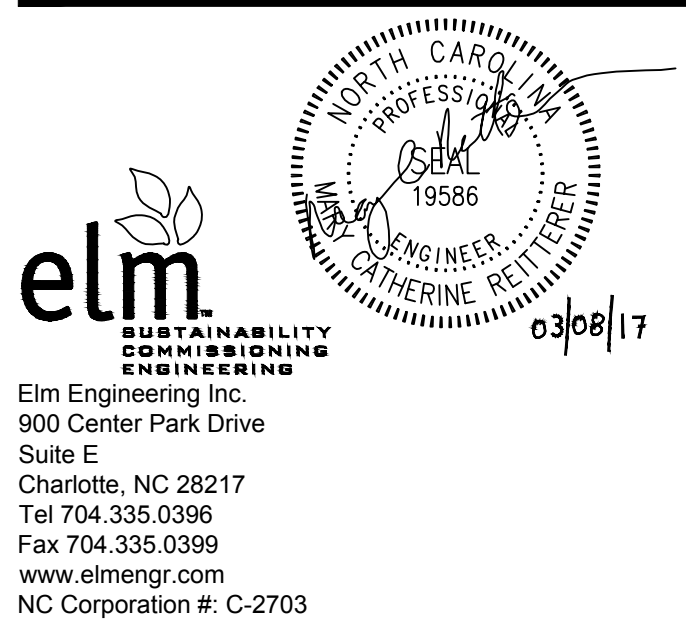
CAMPUS CIRCULATION IMPROVEMENTS

SCO ID# 16-14055
CODE 41526 ITEM 310

MAIN STATION - SITE PLAN

Project No.
4496
Issued
03/08/2017 - BID SET

Revised

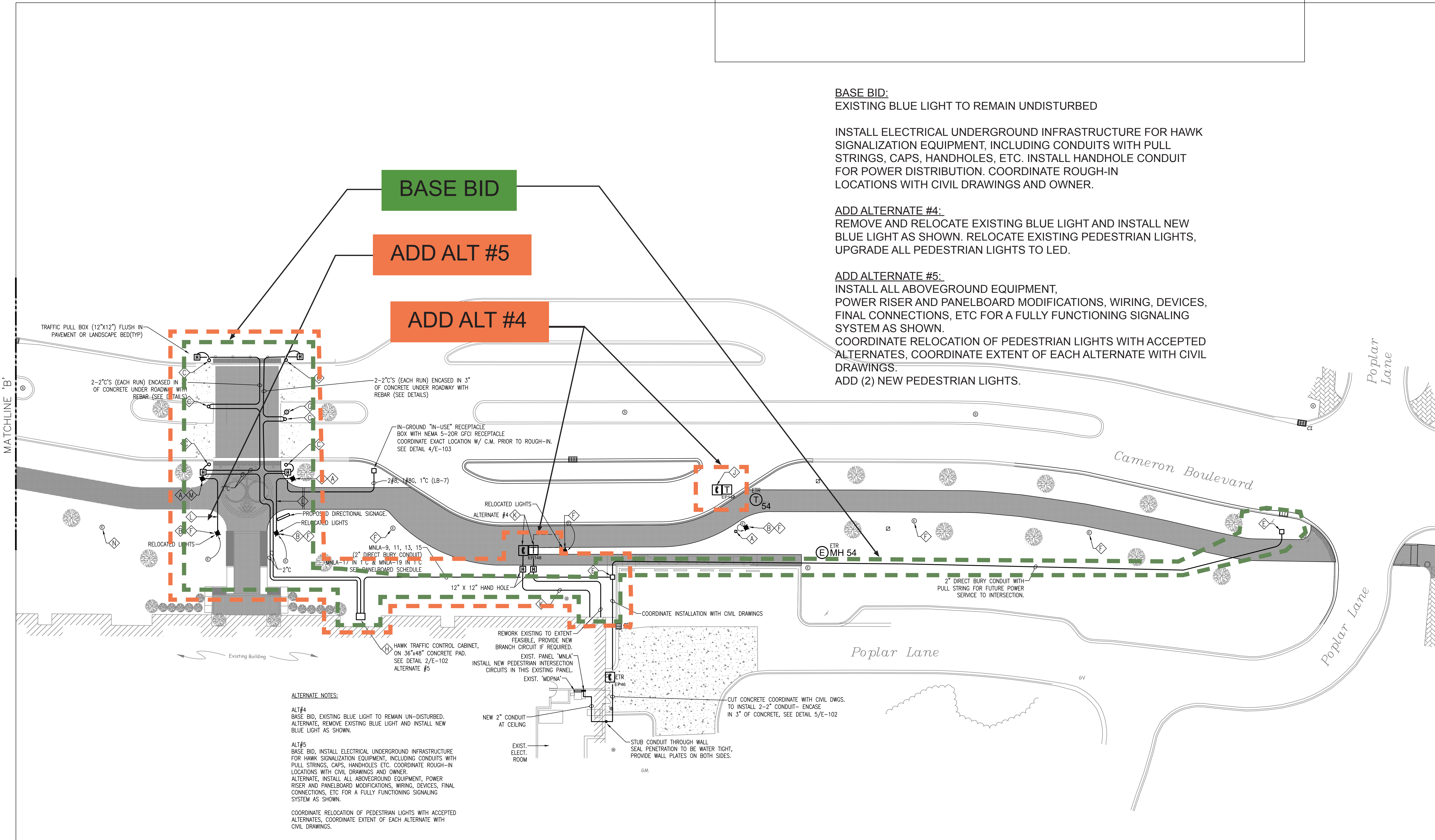


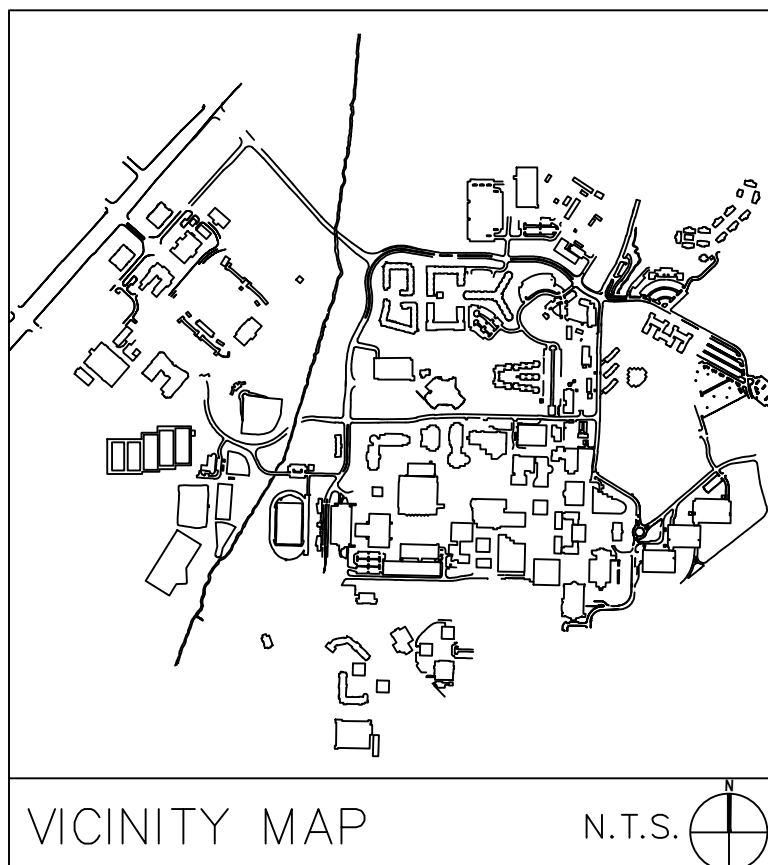
SCALE: 1"=20'
0 10 20 40

E-200

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CAMPUS CIRCULATION IMPROVEMENTS

SCO ID# 16-14055
CODE 41526 ITEM 310

MAIN STATION - IRRIGATION PLAN

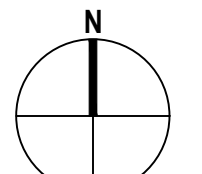
Project No.

4496

Issued

02/27/2017 - CD SCO SUBMITTAL

Revised

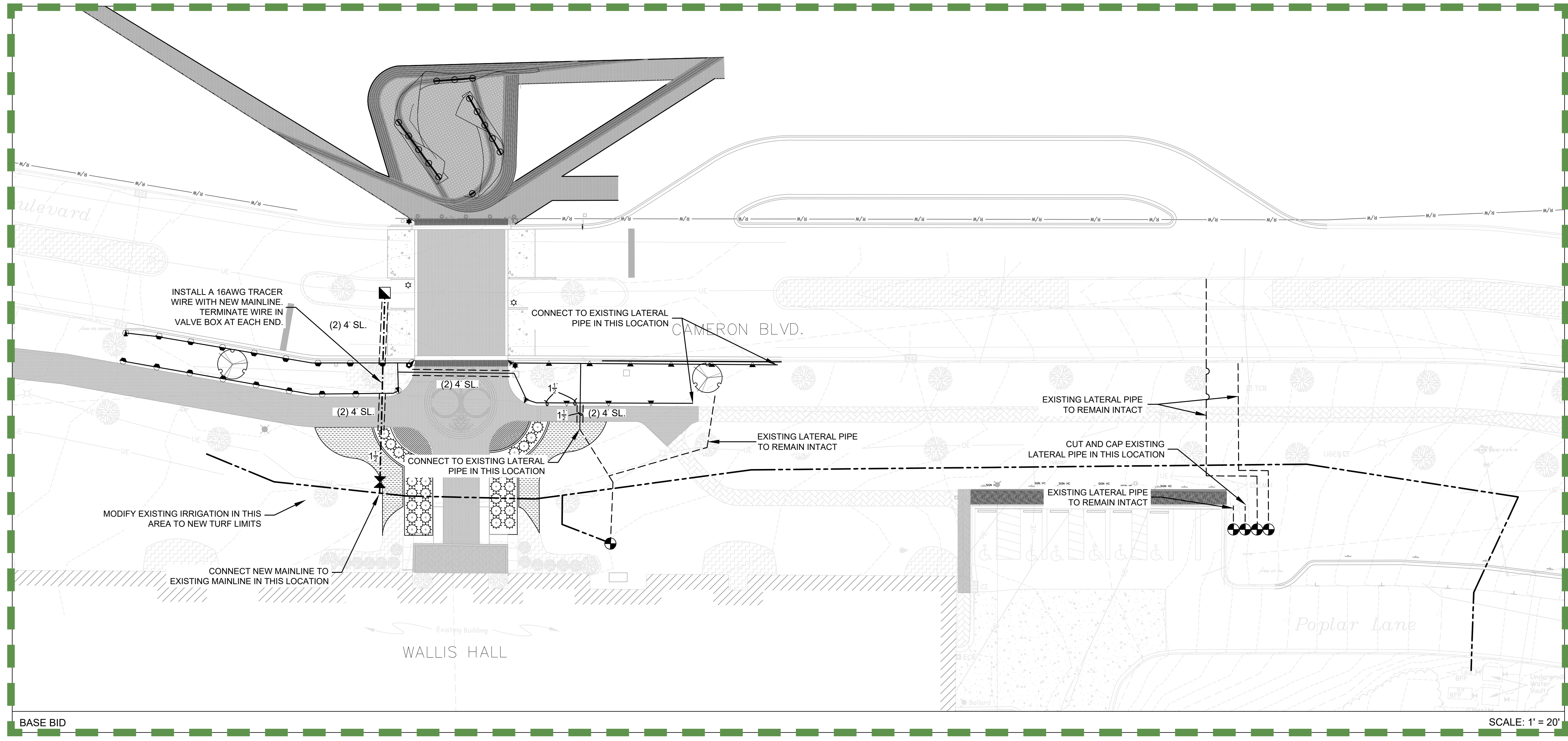


SCALE: 1" = 20'
0 10 20 40

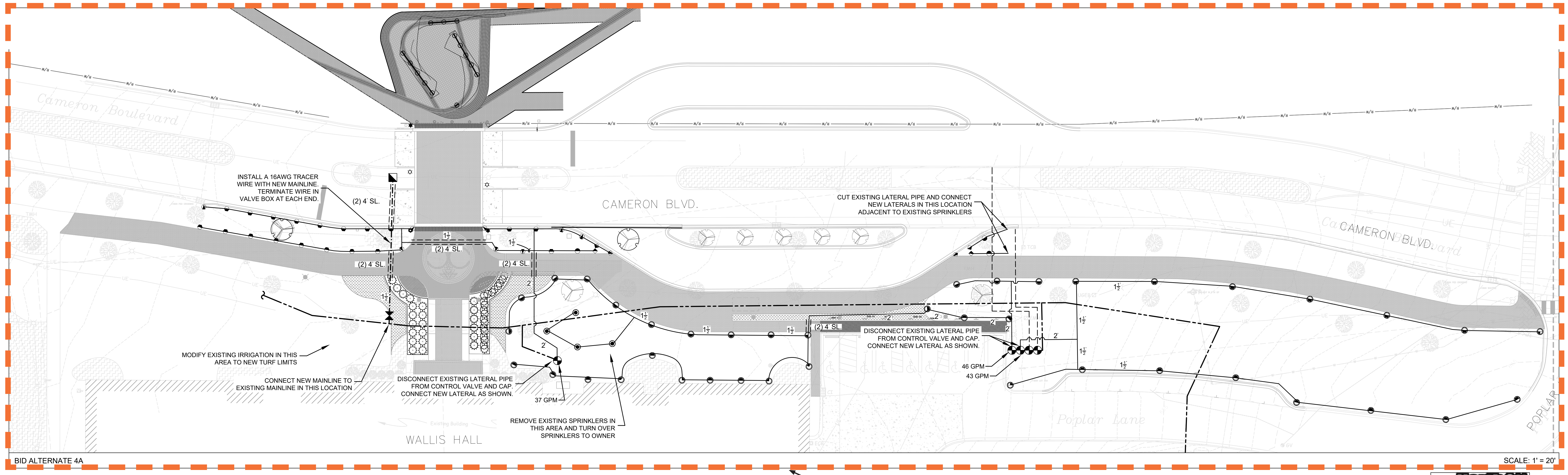
I-100
(BASE BID/ALT. #5A/6B)

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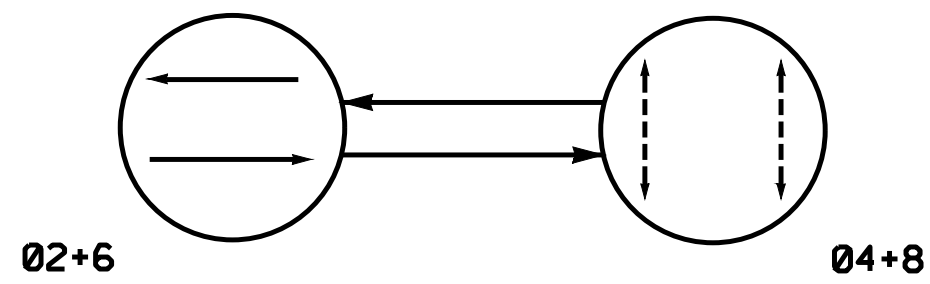


BASE BID



ADD ALT #4

PHASING DIAGRAM



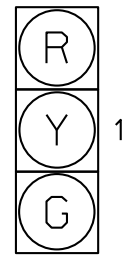
PHASING DIAGRAM DETECTION LEGEND



TABLE OF OPERATION		PHASE		
SIGNAL FACE	Q	N	S	E
21, 22	G	R	Y	
61, 62	G	R	Y	
P41, P42	DW	W	DRK	
P81, P82	DW	W	DRK	

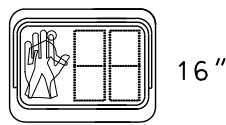
(BID ALT #5)
SIGNAL FACE I.D.

All Heads L.E.D.



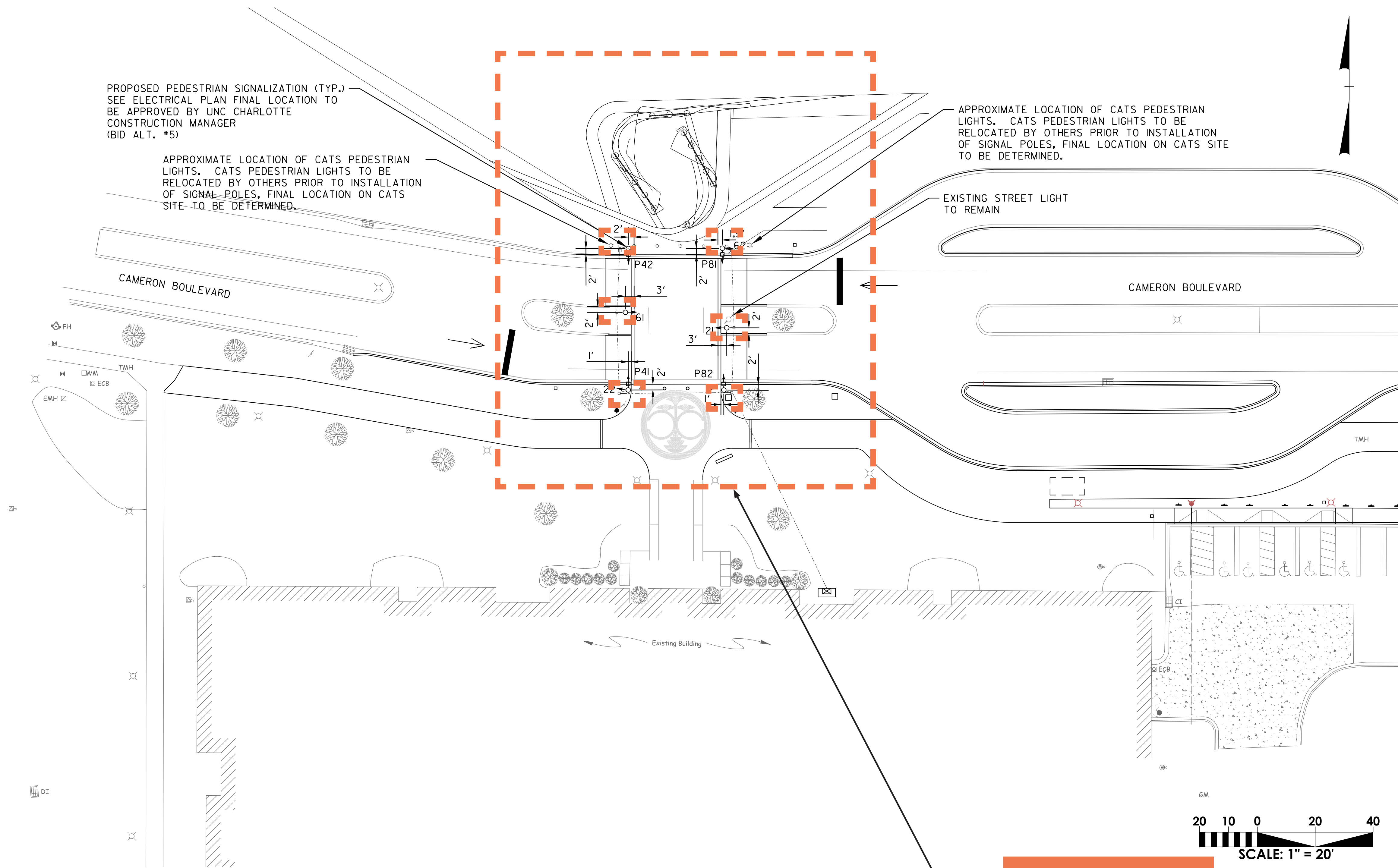
21, 22
61, 62

(BID ALT #5)



P41, P42
P81, P82

(BID ALT #5)



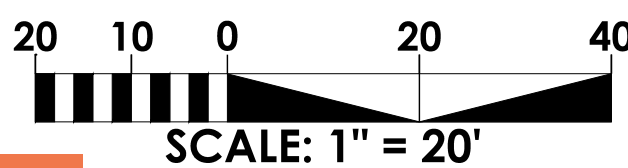
PROPOSED PEDESTRIAN SIGNALIZATION (TYP.)
SEE ELECTRICAL PLAN FINAL LOCATION TO
BE APPROVED BY UNC CHARLOTTE
CONSTRUCTION MANAGER
(BID ALT. #5)

APPROXIMATE LOCATION OF CATS PEDESTRIAN
LIGHTS. CATS PEDESTRIAN LIGHTS TO BE
RELOCATED BY OTHERS PRIOR TO INSTALLATION
OF SIGNAL POLES, FINAL LOCATION ON CATS
SITE TO BE DETERMINED.

APPROXIMATE LOCATION OF CATS PEDESTRIAN
LIGHTS. CATS PEDESTRIAN LIGHTS TO BE
RELOCATED BY OTHERS PRIOR TO INSTALLATION
OF SIGNAL POLES, FINAL LOCATION ON CATS SITE
TO BE DETERMINED.

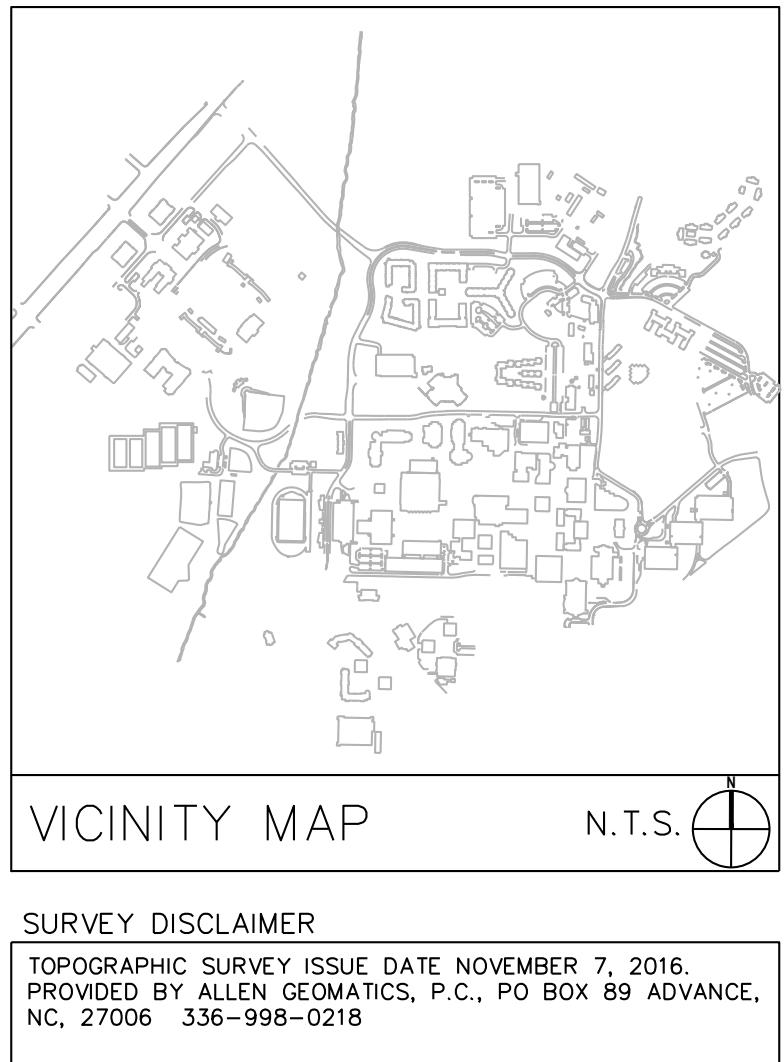
EXISTING STREET LIGHT
TO REMAIN

CAMERON BOULEVARD



ADD ALT #5

ALSO SEE SHEET E-200



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NOTES

1. Refer to "Roadway Standard Drawings NCDOT"
dated January 2012 and "Standard Specifications for
Roads and Structures" dated January 2012.

Vendors - Signal Head, Vehicular
MoboTrex Inc.
Econolite Control Products
General Traffic Equipment Corp.
McCain Traffic Supply
or Approved Equal

Vendors - Signal Head, Pedestrian
MoboTrex Inc.
Econolite Control Products
General Traffic Equipment Corp.
McCain Traffic Supply
or Approved Equal

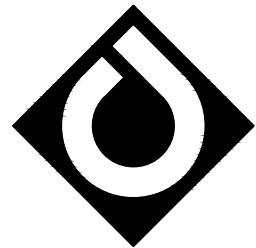
2. Do not program signal for late night flashing
operation unless otherwise directed by the
Engineer.
3. Omit "WALK" and flashing "DON'T WALK" with no
pedestrian calls.
4. Program pedestrian heads to countdown the
flashing "Don't Walk" time only.
5. Pedestrian pedestals are conceptual and shown
for reference only. See NCDOT special detail sheets
1705D01 for pushbutton location details.
6. All signal equipment shall be dark green "black
green" in color per UNCC Design Standards.

APPLICABLE NCDOT STANDARD DETAILS

STD.NO.	TITLE
1700.01	Electrical Service Options
1700.02	Electrical Service Grounding
1705.02	Signal Heads
1705.03	Signal Heads
1715.01	Underground Conduit-Trenching
1716.01	Junction Boxes
1743.02	Pedestals
1743.04	Pedestals
1751.01	Controllers and Cabinets
1751.02	Controllers and Cabinets

LEGEND

PROPOSED		EXISTING
	Traffic Signal Head with Type II Signal Pedestal	N/A
	Pedestrian Signal Head With Push Button & Sign	N/A
	Controller & Cabinet	N/A
	Junction Box	N/A
	2-in Underground Conduit	N/A
	Directional Arrow	



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uri+ www.colejeneststone.com



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CAMPUS
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SIGNAL PLAN

Project No.
4496

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03/08/2017 - BID SET

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C-901
ADD ALTERNATE #5

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TIMING CHART				
FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	-	-	-	-
Extension 1 *	-	-	-	-
Max Green 1 *	-	-	-	-
Yellow Clearance	-	-	-	-
Red Clearance	-	-	-	-
Red Revert	-	-	-	-
Walk 1 *	-	7	-	7
Don't Walk 1	-	13	-	13
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	-	-	-	-
Vehicle Call Memory	-	-	-	-
Dual Entry	-	-	-	-
Simultaneous Gap	-	-	-	-

* These values may be field adjusted. Do not adjust Min Green and Extension times for
phases 2 and 6 lower than what is shown. Min Green for all other phases should not
be lower than 4 seconds.

PRE-BID MEETING SIGN-IN SHEET



Project: UNC Charlotte – Campus Circulation Improvements

Meeting Date: March 15, 2017

Facilitator: ColeJenest & Stone / UNC Charlotte

Place/Room: Cone Center 112A

[illegible]

NOTICE TO BIDDERS

Sealed proposals will be received by The University of North Carolina in Charlotte, NC, in Room 119 of the Facilities Management & Police building (#55 on the campus map – <http://facilities.uncc.edu/maps>) until **2:00 pm on Tuesday, April 4, 2017** and immediately thereafter publicly opened and read for the furnishing of labor, material and equipment entering into the construction of:

Campus Circulation Improvements The University of North Carolina at Charlotte

Campus Circulation Improvements are intended to enhance pedestrian and vehicular circulation on the UNC Charlotte campus with new connection to the CATS Lynx light rail line. Work includes the installation of new brick paver sidewalks, bus drop-off with parking, raised crosswalk with pedestrian signalization, and associated wall, stair, planter, drainage, and landscape improvements.

Bids will be received for single prime contract. All proposals shall be lump sum.

Visitor parking is available in Lot 26. Visitors will need to obtain a parking pass from the FM reception area on the first floor and return to their car prior to the bid opening. Campus map is available for review at <http://maps.uncc.edu/>.

Non-Mandatory Pre-Bid Meeting

A **non-mandatory** pre-bid meeting will be held for all interested bidders on Wednesday, March 15, 2017 at 2:00 pm in Room 112A of the Cone University Center (#5 on the campus map). The meeting will address project specific questions, issues, bidding procedures, and bid forms. After the prebid meeting there will be a site visit to go over the project scope and locations. **This will be the only opportunity for contractors and their subcontractors to visit the site, so please have all interested parties in attendance.**

Visitor parking is located in the Cone Deck adjacent the Cone University Center.

The meeting will address project specific questions, issues, bidding procedures, and bid forms. The meeting is also to identify preferred brand alternates and their performance standards that the Owner will consider for approval on this project. A walk of the site will be conducted immediately following the meeting.

The meeting is also to identify preferred brand alternates and their performance standards that the owner will consider for approval on this project.

In accordance with General Statute GS 133-3, Specifications may list one or more preferred brands as an alternate to the base bid in limited circumstances. Specifications containing a

preferred brand alternate under this section must identify the performance standards that support the preference. Performance standards for the preference must be approved in advance by the owner in an open meeting. Any alternate approved by the owner shall be approved only where (i) the preferred alternate will provide cost savings, maintain or improve the functioning of any process or system affected by the preferred item or items, or both, and (ii) a justification identifying these criteria is made available in writing to the public.

In accordance with GS133-3 and SCO procedures the following preferred brand items are being considered as Alternates by the owner for this project:

A. Face Brick: "Morrocroft Special" #02-79-1 manufactured by Forterra Brick.

B. Brick Pavers (Pedestrian, Vehicular, and ADA): Pine Hall Brick Company.

Justification of any approvals will be made available to the public in writing no later than seven (7) days prior to bid date.

Bidders questions will be entertained in writing until 5:00 pm on Wednesday, March 22, 2017. Address all questions to the designer, ColeJenest & Stone - Attn: Susan G. Freyler, sfreyler@colejeneststone.com.

Final addenda will be issued Tuesday, March 28, 2017 to all plan holders/bidders of record.

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

ColeJenest & Stone
200 South Tryon Street, Suite 1400
Charlotte, NC 28202
(704) 376-1555

UNC Charlotte
Hickory Hall
Room 02E – Capital Projects Design Plan Review
Charlotte, NC 28223
(704) 687-0615

Metrolina Minority Contractors Association (MMCA) Plan Room
2848 Queen City Drive, Suite B
Charlotte, NC 28208
(877) 526-6205
mmca@mmcaofcharlotte.org

Or may be obtained from ColeJenest & Stone, upon deposit of fifty dollars (\$50) in cash or certified check. The full plan deposit will be returned to those bidders provided all documents are returned in good, usable condition within ten (10) days after the bid date.

Electronic copies of the plans, specifications and contract documents will also be provided electronically to all interested bidders. Contact for electronic plans and specifications is Susan Freyler at (704) 376-1555 or sfreyler@colejeneststone.com.

Electronic copies of the plans, specifications and contract documents are available at the following:

1. Construct Connect at content@constructconnect.com – 800-364-2059.
2. North Carolina Offices of McGraw-Hill Dodge Corporation – (877) 784-9556 or (800) 393-6343; <http://construction.com/dodge>
3. Metrolina Minority Contractors Association – (877) 526-6205;
mmca@mmcaofcharlotte.org

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 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 with an unlimited license required by the NC General Contractors Licensing Board under [G.S. 87-1](#).

NOTE--SINGLE PRIME CONTRACTS: Under GS 87-1, a contractor that superintends or manages construction of any building, highway, public utility, grading, structure or improvement shall be deemed a “general contractor” and shall be so licensed. Therefore a single prime project that involves other trades will require the single prime contractor to hold a proper General Contractors license.

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 and 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 30 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 pm on Tuesday, April 4, 2017** to the following:

Mailed Proposals:

Attn: Ms. Joyce Clay, Hickory Hall, Room 35B
The University of North Carolina at Charlotte
Facilities Management – Capital Projects
9201 University City Boulevard
Charlotte, NC 28223-0001

Or

Hand Delivered:

Attn: Ms. Joyce Clay – Capital Projects, Room 35B
Hickory Hall (#536 on the campus map)
Charlotte, NC 28223
(704) 687-0615

Designer:

ColeJenest & Stone
200 South Tryon Street, Suite 1400
Charlotte, NC 28202
(704) 376-1555

Owner:

The University of North Carolina at Charlotte
Hickory Hall, FM - Capital Projects
9201 University City Blvd
Charlotte, NC 28223
(704) 687-0615

STATE OF NORTH CAROLINA STANDARD FORM OF PROPOSAL

FOR

The University of North Carolina at Charlotte
Campus Circulation Improvements
Charlotte, NC
SCO# 16-14055
Code 41526, Item 310

BID/ACCEPTANCE FORM

for

Campus Circulation Improvements

The project scope includes the pedestrian and vehicular Improvements for the UNC Charlotte Campus including new sidewalks, bus drop-off, raised pedestrian crosswalk, signalized intersection and other landscape and hardscape improvements. The improvements are located at Wallis Hall, across from the Main Station, Cameron Blvd., Student Union and the J.W. Clay Station on the campus of the University of North Carolina at Charlotte.

The undersigned, as bidder, proposes and agrees if this bid is accepted to contract with the State of North Carolina through the University of North Carolina at Charlotte for the furnishing of all materials, equipment, and labor necessary to complete the construction of the work described in these documents in full and complete accordance with plans, specifications, and contract documents, and to the full and entire satisfaction of the University of North Carolina at Charlotte and ColeJenest & Stone, P.A. for the sum of:

BASE BID:

Dollars \$

Add Alternate #	Add Alternate Bid Price	Accepted (OWNER INITIALS)
1 Cameron Boulevard Project Area Improvements		
2 Student Union Project Area Improvements		
3 Brick Seal Paving Pattern in Sidewalk		
4 Add Bus Drop-off and widen sidewalk at the Main Station		
5 Add Signalized Intersection at the Main Station		
6A Landscape at Main Station		
6B Landscape at Main Station – ALT #4		
6C Landscape at J.W. Clay Station		
7 8' Brick Sidewalk at J.W. Clay Station		
8 6' Decorative Aluminum Fence at J.W. Clay Station		
9 Preferred Brand – Face Brick (Forterra Brick)		
10 Preferred Brand – Paver Brick (Pine Hall Brick Company)		

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.

Unit Price A – Unsatisfactory Soil	\$ _____/C.Y.
Unit Price B – Trench Rock	\$ _____/C.Y.
Unit Price C – Pedestrian Brick Paver Sidewalk	\$ _____/S.F.
Unit Price D – Vehicular Brick Paver	\$ _____/S.F.
Unit Price E – Sod	\$ _____/S.F.
Unit Price F – Decorative Fence	\$ _____/L.F.

Addendum received and used in computing bid:

Addendum No. 1	_____
Addendum No. 2	_____
Addendum No. 3	_____
Addendum No. 4	_____

Respectively submitted this _____ day of _____ 20 _____

(Contractor's Name)

Federal ID#: _____

By: _____

Witness: _____

Title: _____

(Owner, partner, corp. Pres. Or Vice President)

(Proprietorship or Partnership)

Address: _____

Attest: (corporation)

Email Address: _____

(Corporate Seal)

By: _____ License #: _____

Title: _____
(Corporation, Secretary./Ass't Secretary.)

ACCEPTED by the STATE OF NORTH CAROLINA
through the University of North Carolina at Charlotte

Total amount of accepted by the owner, included base bid and bid alternates: _____

(Agency/Institution)

BY: _____ TITLE: _____

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

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

1.2 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 or deducted from 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. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. 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.
- B. 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 revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. 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 : Cameron Boulevard Project Area Improvements
 - 1. Description: Work to include the expansion and extension of brick sidewalks, crosswalks, parking lot modifications, retaining walls, and storm drainage additions and modifications, as noted on the plans.
 - 2. Base Bid: No work.
 - 3. Alternate: All work shown on drawings.
- B. Alternate No.2 : Student Union Project Area Improvements.
 - 1. Description: Work to include the expansion and extension of brick sidewalks, stairs, retaining walls, railings as noted on the plans.
 - 2. Base Bid: No work.
 - 3. Alternate: All work shown on drawings.
- C. Alternate No.3 : Brick Seal Paving Pattern in Sidewalk
 - 1. Description: Work to include the construction of the brick UNC Charlotte seal paving pattern at Wallis Hall.
 - 2. Base Bid: herringbone field
 - 3. Alternate: addition of seal pattern
- D. Alternate No. 4: Add Bus Drop-off and widen sidewalk at the Main Station
 - 1. Description: Work to include adding heavy-duty concrete paving, widening existing brick walk to 8', adding additional curb and gutter, removal of trees, new emergency blue light and additional pedestrian light relocations. **Not including landscape; landscape is priced under Alternate 6B.**
 - 2. Base bid: As described on drawings.
 - 3. Alternate: As described on drawings.
- E. Alternate No.5: Add Signalized Intersection at the Main Station
 - 1. Description: Work to include adding the pedestrian and traffic signal poles, bases, electrical boxes and panels, wiring and signal heads.
 - 2. Base Bid: Install conduit for the wiring only (including the caps for the conduit and pull strings) as indicated on drawings.
 - 3. Alternate: Complete signal system.
- F. Alternate 6A: Landscape at Main Station
 - 1. Description: Work will include installation of proposed plant material (plants and sod) to be located in existing and proposed planting beds in front of Wallis Hall. Additionally, two (2) street trees are to be installed along Cameron Blvd., in front of Wallis Hall.
 - 2. Base Bid: **Planting bed and soil preparation/topsoil installation per Specification 329200 and 329300, with seed and mulch only.**
 - 3. Alternate: **Complete landscape per drawings.**

G. Alternate 6B: Landscape at Main Station – ALT #4

1. Description: Work will include installation of proposed plant material (plants and sod) to be located in existing and proposed planting beds in front of Wallis Hall. Additionally, sod for all disturbed areas as part of Alternate #4, three (3) street trees, and five (5) evergreen trees are to be installed along Cameron Blvd., in front of Wallis Hall.
2. Base Bid: Planting bed and soil preparation/topsoil installation per Specification 329200 and 329300, with seed and mulch only.
3. Alternate: Complete landscape per drawings.

H. Alternate 6C: Landscape at J.W. Clay Station

1. Description: Work will include installation of sod between existing back of curb on JW Clay Blvd. and edge of sidewalk.
2. Base Bid: Planting bed and soil preparation/topsoil installation per Specification 329200 and 329300, with seed and mulch only.
3. Alternate: Complete landscape per drawings.

I. Alternate No.7: 8' Brick Sidewalk at J.W. Clay Station

1. Description: Work to include adding the 8' brick sidewalk in lieu of the 8' concrete sidewalk. See Sheet C-203 and Details 1-3 on Sheet C-800.
2. Base Bid: Concrete walk.
3. Alternate: Brick walk per drawings.

J. Alternate No.8: 6' Decorative Aluminum Fence at J.W. Clay Station

1. Description: Work to include adding aluminum fencing as shown on Sheet C-203 and on Detail 1 on Sheet C-802.
2. Base Bid: No fence.
3. Alternate: Install fence per drawings.

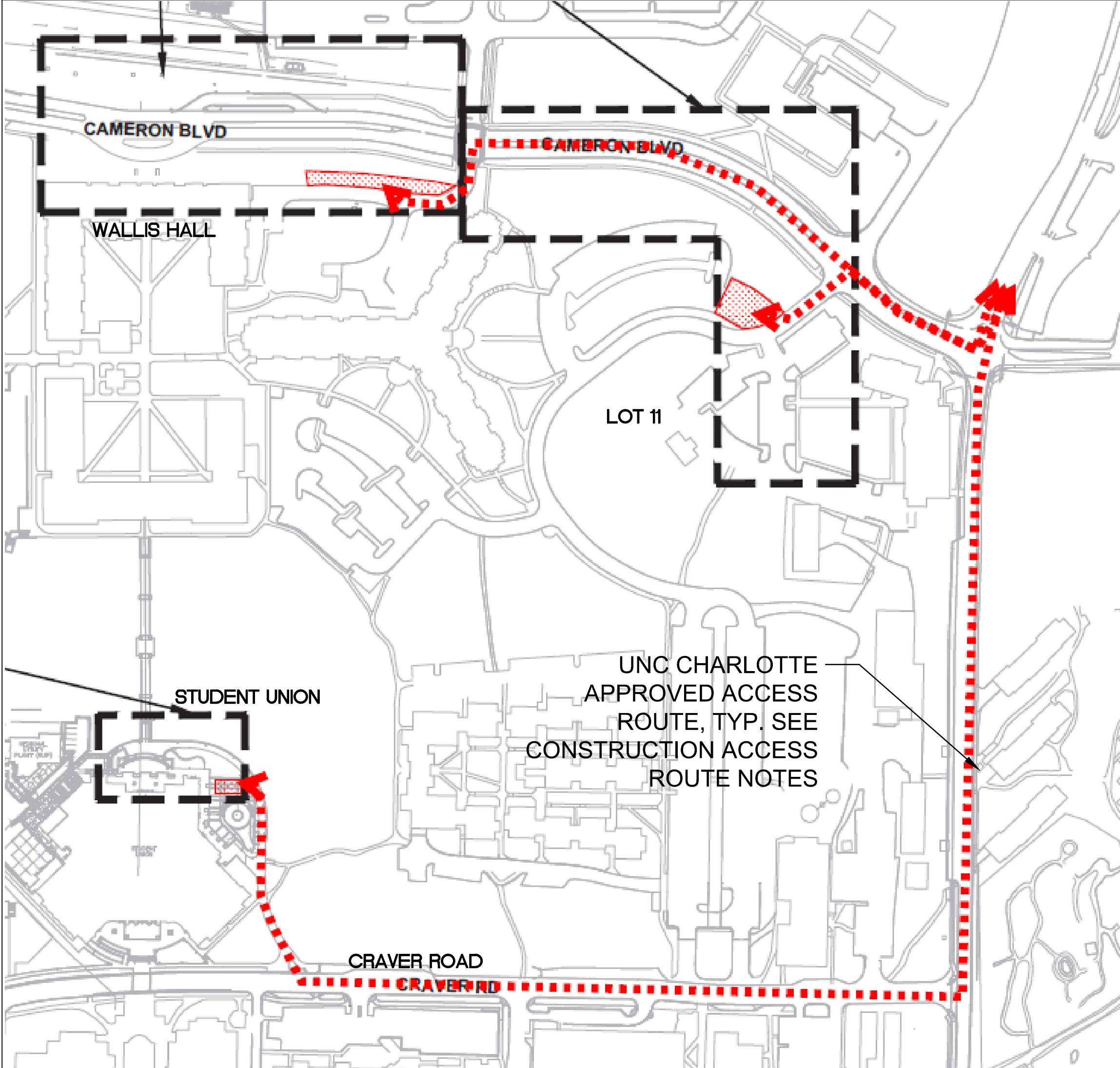
K. Preferred Brand Alternate No.9: Face Brick

1. Description: Utilize Owner's preferred brand: "Morrocroft Special" #02-79-1 manufactured by Forterra Brick for all face brick per Specification 042000.

L. Preferred Brand Alternate No.10: Paver Brick

1. Description: Utilize Owner's preferred brand: "Pine Hall Brick Company" for all paver brick (pedestrian, vehicular and ADA) per Specification 321400.

END OF SECTION



CONSTRUCTION ACCESS ROUTES

WALLIS HALL:
CONTRACTOR SHALL ONLY USE THE FOLLOWING ACCESS ROUTE: MALLARD CREEK CHURCH RD., MARY ALEXANDER RD., CAMERON BLVD., POPLAR LANE (DO NOT BLOCK POPLAR LANE).

CAMERON BLVD./LOT 11 - ALTERNATE #1
CONTRACTOR SHALL ONLY USE THE FOLLOWING ACCESS ROUTE: MALLARD CREEK CHURCH RD., MARY ALEXANDER RD., CAMERON BLVD., POPLAR TERRACE DR., LOT 21 ENTRANCE DRIVE.

STUDENT UNION - ALTERNATE #2
CONTRACTOR SHALL ONLY USE THE FOLLOWING ACCESS ROUTE: MALLARD CREEK CHURCH RD., MARY ALEXANDER RD., CRAVER RD., FIRE ACCESS LANE TO STUDENT UNION (MUST REMAIN OPEN AT ALL TIMES).

***ANY DEVIATION MUST BE APPROVED BY UNCC BY CONSTRUCTION MANAGER**

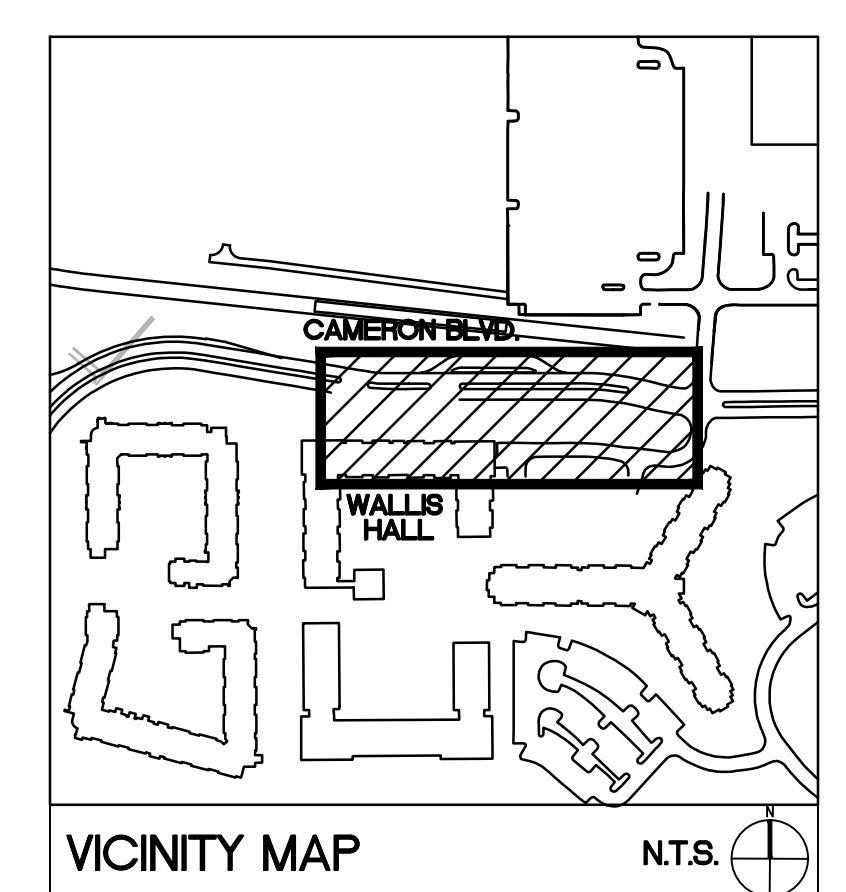
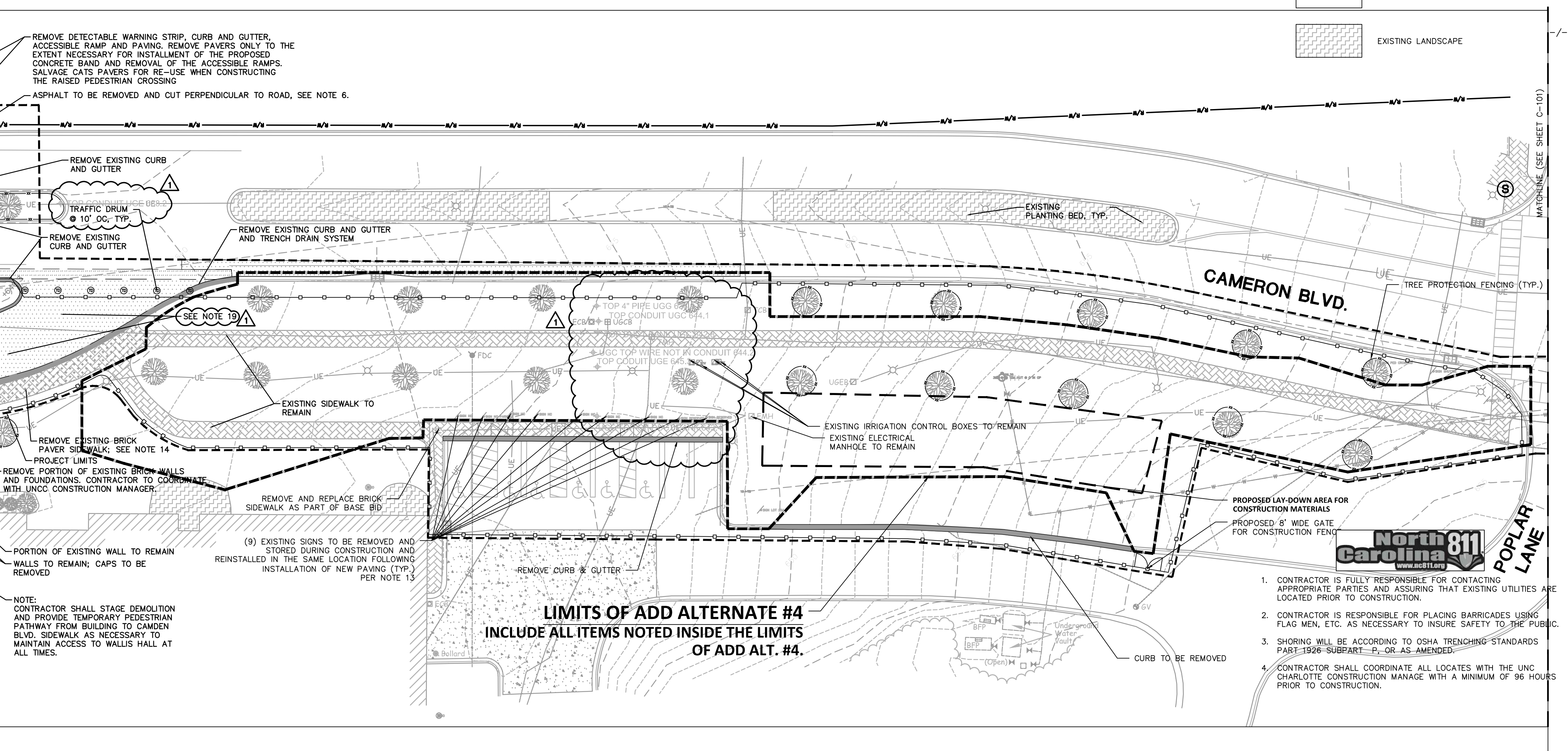
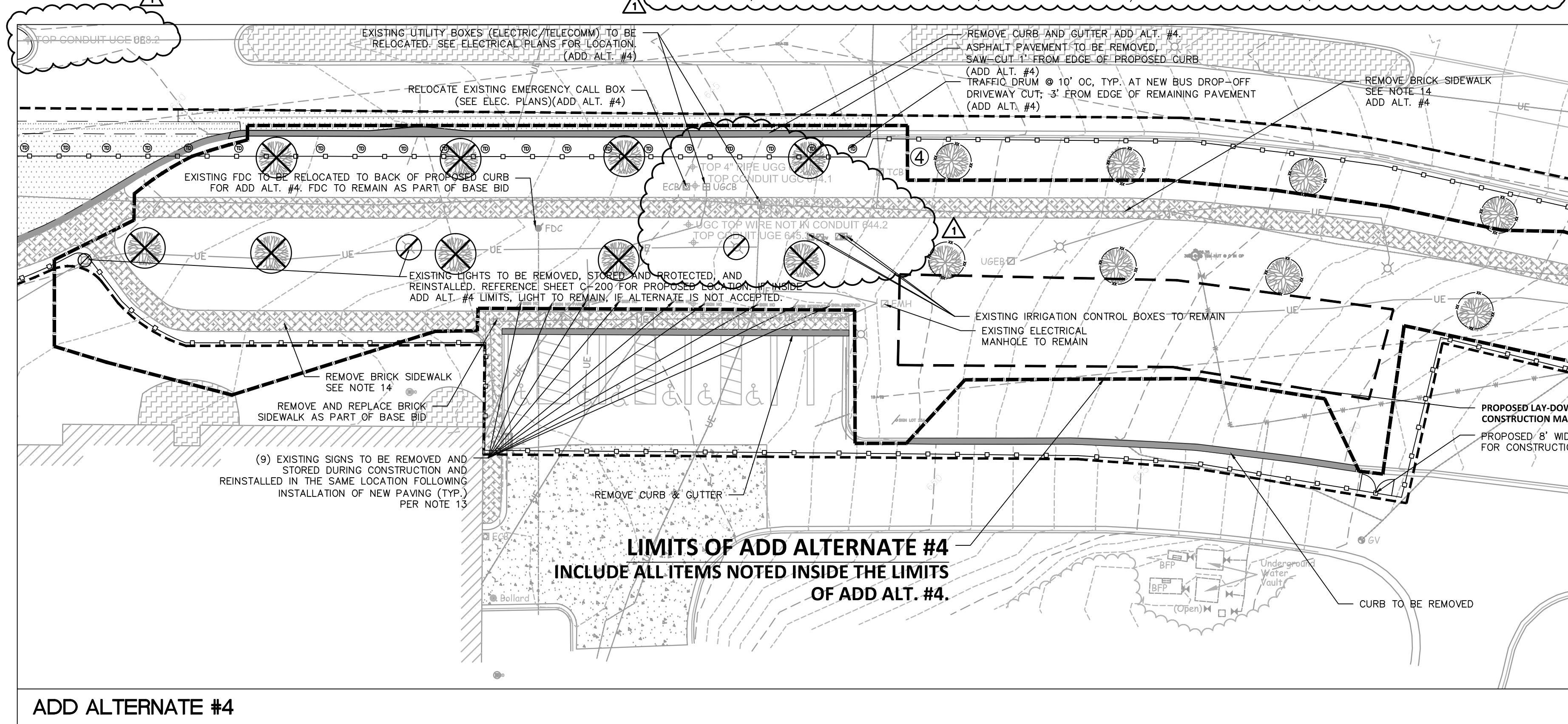
ADD ALTERNATE #4 - ADD BUS DROP-OFF AND WIDEN SIDEWALK AT MAIN STATION
WORK TO INCLUDE ADDING HEAVY-DUTY CONCRETE PAVING, WIDENING EXISTING BRICK WALK TO 8', ADDING ADDITIONAL CURB AND GUTTER, REMOVAL OF TREES, PLANTING NEW TREES, NEW EMERGENCY BLUE LIGHT AND ADDITIONAL PEDESTRIAN LIGHT RELOCATIONS.

ADD ALTERNATE #5 - ADD SIGNALIZED INTERSECTION AT THE MAIN STATION
WORK TO INCLUDE ADDING THE SIX (6) PEDESTRIAN AND TRAFFIC SIGNAL POLES, BASES, ELECTRICAL BOXES AND PANELS, WIRING AND SIGNAL HEADS. THE CONDUIT FOR THE WIRING (INCLUDING THE CAPS FOR THE CONDUIT AND PULL STRINGS) WILL BE INCLUDED IN THE BASE BID.

ADD ALTERNATE #6A - LANDSCAPE AT MAIN STATION
WORK TO INCLUDE INSTALLATION OF PROPOSED PLANT MATERIAL (PLANTS AND SOD) TO BE LOCATED IN EXISTING AND PROPOSED PLANTING BEDS IN FRONT OF WALLIS HALL. ADDITIONALLY, TWO (2) STREET TREES ARE TO BE INSTALLED ALONG CAMERON BLVD., IN FRONT OF WALLIS HALL.

ADD ALTERNATE #6B - LANDSCAPE AT MAIN STATION
WORK WILL INCLUDE INSTALLATION OF PROPOSED PLANT MATERIAL (PLANTS AND SOD) TO BE LOCATED IN EXISTING AND PROPOSED PLANTING BEDS IN FRONT OF WALLIS HALL. ADDITIONALLY, SOD FOR ALL DISTURBED AREAS AS PART OF ALTERNATE #4, THREE (3) STREET TREES, AND FIVE (5) EVERGREEN TREES ARE TO BE INSTALLED ALONG CAMERON BLVD., IN FRONT OF WALLIS HALL.

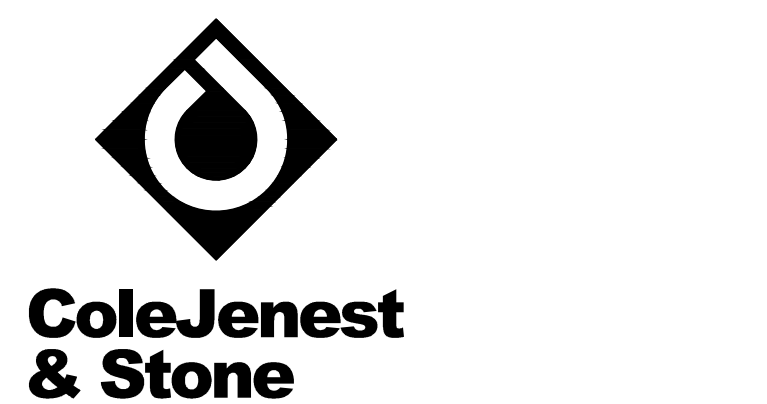
- DEMOLITION NOTES**
- CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND SEQUENCING OF DEMOLITION AS DESCRIBED BY THESE DOCUMENTS AND SPECIFICATIONS. CONTRACTOR IS TO OBTAIN ALL PERMITS.
 - THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ALL BURIED UTILITIES (ELECTRICAL, MECHANICAL, WATER, SEWER, TELECOMMUNICATION, GAS, ETC.) WITHIN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION. UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. THE OMISSION OF, OR INCLUSION OF, UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OR DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITY OWNERS WHOSE FACILITIES WILL BE AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY REQUIRED UTILITY DEMOLITION OR RELOCATION WITH THE APPLICABLE UTILITY OWNER. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE RESPECTIVE UTILITY OWNER AND AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE.
 - ALL MATERIAL GENERATED BY THE DEMOLITION WILL BE HAULED FROM THE SITE AND DISPOSED OF PER LOCAL ORDINANCES.
 - INSTALL 8' CHAIN LINK FENCE AROUND PERIMETER OF PROJECT AREA DURING DEMOLITION AND CONSTRUCTION.
 - ALL EXISTING ASPHALT PAVEMENT SHALL BE SAW-CUT AT THE LIMIT OF DEMOLITION WHERE CONSTRUCTION PLANS SHOW TIE-INS. SAW-CUT JOINT SHALL BE ONE FOOT FROM THE EXISTING EDGE OF PAVEMENT, MINIMUM.
 - ALL EXISTING CONCRETE PAVEMENT, SIDEWALK AND/OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST EXISTING CONTROL JOINT BEYOND THE LIMIT OF DEMOLITION SHOWN ON THE PLAN. WHERE NO EXISTING CONTROL JOINTS ARE PRESENT WITHIN FIVE FEET OF THE LIMIT OF DEMOLITION, CONCRETE PAVEMENTS SHALL BE SAW-CUT.
 - ADA COMPLIANT PEDESTRIAN ACCESS TO WALLIS HALL AND THE STUDENT UNION, AND ONE LANE OF CAMERON BLVD. SHALL REMAIN OPEN AND UNOBSTRUCTED TO TRAFFIC AT ALL TIMES.
 - CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING CONSTRUCTION PER WORK AREA TRAFFIC CONTROL HANDBOOK STANDARDS. (W.A.T.C.H.)
 - DEMOLITION OF STORM DRAINAGE AND SANITARY SEWER SYSTEM(S) BY CONTRACTOR SHALL ALLOW FOR CONTINUOUS USE OF THE SYSTEM(S).
 - CONTRACTOR SHALL REPAIR OR REPLACE ANY ADJACENT CONCRETE CURBING AND/OR SIDEWALK DAMAGED AS PART OF DEMOLITION PROCESS.
 - FOR THE RENOVATION OR DEMOLITION OF BUILDINGS OR OTHER STRUCTURES, FEDERAL AND/OR LOCAL REGULATIONS REQUIRE THAT A THOROUGH INSPECTION BE CONDUCTED FOR ASBESTOS-CONTAINING MATERIALS. PRIOR TO CONDUCTING A RENOVATION OR DEMOLITION ACTIVITY, THE ASBESTOS INSPECTION MUST BE CONDUCTED BY A NORTH CAROLINA ACCREDITED ASBESTOS INSPECTOR. ALL REGULATED AND/OR FRIABLE ASBESTOS-CONTAINING MATERIALS IDENTIFIED DURING THE SURVEY, WHICH WILL BE DISTURBED, MUST BE PROPERLY REMOVED BY ACCREDITED INDIVIDUALS BEFORE BEGINNING THE RENOVATION OR DEMOLITION ACTIVITY.
 - REMOVAL, STORAGE, AND REINSTALLMENT OF EXISTING SIGNS FOR PARKING SHALL BE COORDINATED WITH CONSTRUCTION MANAGER.
 - BRICK PAVERS TO BE REMOVED SHALL BE SAVED AND STACKED NEATLY TO THE SIDE FOR REINSTALLATION. WHEN REINSTALLED, SALVAGED PAVERS SHALL BE MIXED INTERMITTENTLY WITH NEW BRICK PAVERS FOR INCREASED SIDEWALK, RAMP AND STAIR WIDTHS. CONTRACTOR SHALL CONFIRM EACH EXISTING PAVEMENT TYPE AND ENSURE THAT SIMILAR PAVERS (VEHICULAR AND PEDESTRIAN) ARE STORED TOGETHER AND LABELED FOR EASE OF IDENTIFICATION. PAVERS SHALL BE REINSTALLED IN THE CORRECT APPLICATION (VEHICULAR FOR VEHICULAR AREAS, PEDESTRIAN FOR PEDESTRIAN PAVERS) FOLLOWING DEMOLITION AND GRADING PHASES OF WORK.
 - CONTRACTOR SHALL COORDINATE ALL UTILITY LOCATES WITH THE UNC CHARLOTTE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
 - PROVIDE 48" SAFETY FENCE AROUND PEDESTRIAN AREAS (SEE SUPPLEMENTARY GENERAL CONDITIONS 2-01A)
 - PRIOR TO CONSTRUCTION OR TREE REMOVAL, THE CONTRACTOR SHALL COORDINATE WITH THE UNC CHARLOTTE CONSTRUCTION MANAGER TO DETERMINE WHICH EXISTING TREES SHALL BE TRANSPLANTED BY OWNER. ALL REMAINING TREES NOTED TO BE REMOVED WILL BE REMOVED.
 - FOR NEW TREE PLANTING AREAS, CONTRACTOR SHALL REMOVE ALL PAVEMENT, GRAVEL, SUB-BASE AND CONSTRUCTION DEBRIS, REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL, OR AMEND THE TOP 24" OF EXISTING SOIL, TO MEET SPECIFIED TOPSOIL/PLANTING STANDARDS FOR TREES, INCLUDE IN BASE BID.



SURVEY DISCLAIMER
TOPOGRAPHIC SURVEY ISSUE DATE NOVEMBER 7, 2016.
PROVIDED BY ALLEN GEOMATICS, P.C., PO BOX 89 ADVANCE, NC, 27006 336-998-0218

LEGEND

SYMBOL		
[Pattern]	ASPHALT TO BE REMOVED	-/-
[Pattern]	PEDESTRIAN PAVERS TO BE REMOVED SEE NOTE 14	-/-
[Pattern]	VEHICULAR PAVERS TO BE REMOVED	-/-
[Pattern]	CURB TO BE REMOVED	-/-
[Pattern]	VEGETATION TO BE REMOVED	-/-
[Symbol]	TREE TO BE REMOVED (SEE NOTE 18)	-/-
[Symbol]	EXISTING TREE (APPROXIMATE LOCATION)	-/-
[Symbol]	EXISTING PEDESTRIAN LIGHT POLE	-/-
[Symbol]	LIGHT FIXTURE TO BE RELOCATED	-/-
[Symbol]	TREE PROTECTION FENCING	18/C-801
[Symbol]	PROJECT LIMIT	-/-
[Symbol]	CONSTRUCTION FENCE	-/-
[Symbol]	SIDEWALK CLOSED SIGN	-/-
[Symbol]	TRAFFIC DRUM	-/-
[Symbol]	ADD ALTERNATE LIMITS	-/-
[Pattern]	EXISTING LANDSCAPE	-/-



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Realizing the Possibilities

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+ Landscape Architecture
+ Civil Engineering
+ Urban Design

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p+ 704 376 1555 f+ 704 376 7851
info www.colejeneststone.com

UNC-CHARLOTTE

9201 University City Blvd
Charlotte, NC 28223

CAMPUS CIRCULATION IMPROVEMENTS

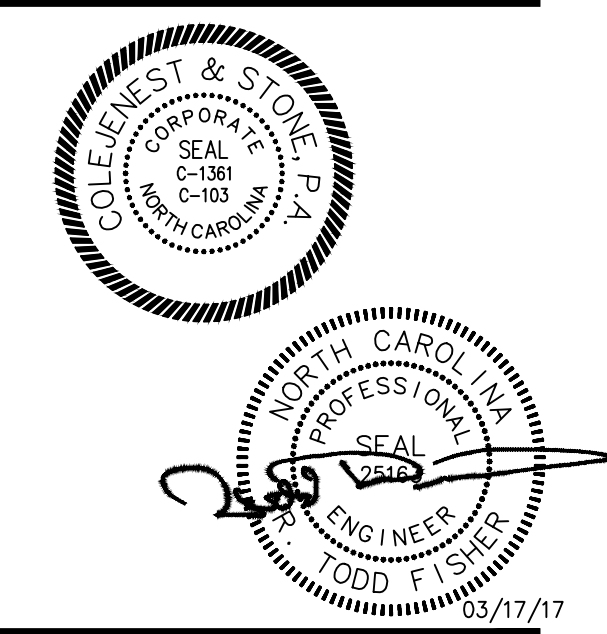
SCO ID# 16-14055
CODE 41526 ITEM 310

MAIN STATION - DEMOLITION PLAN

Project No.
4496

Issued
03/08/2017 - BIO SET

Revised
3/17/17 - ADDENDUM #1



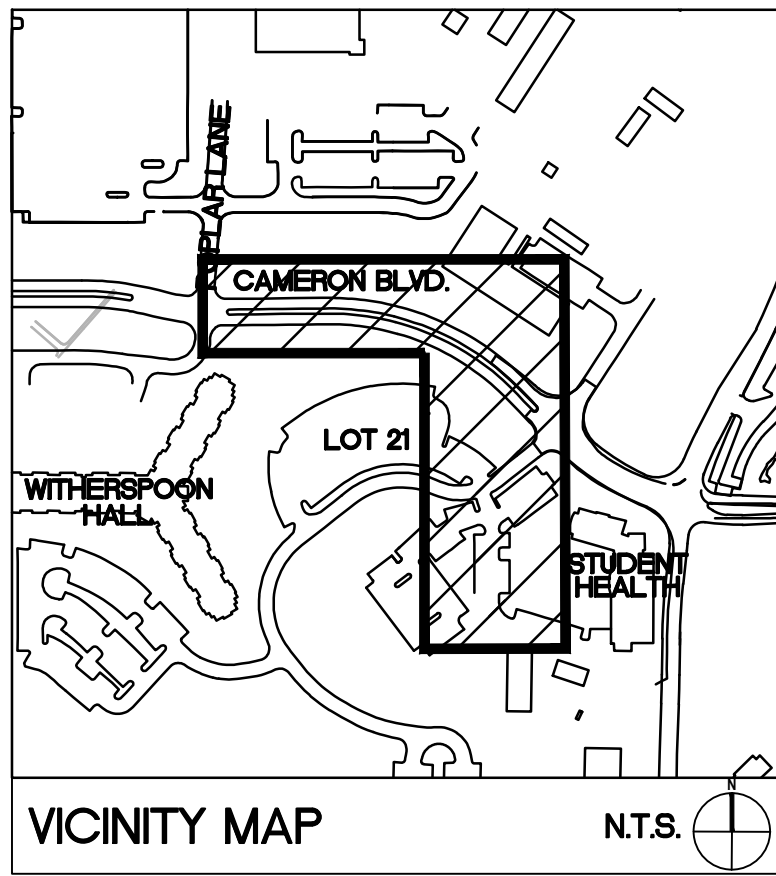
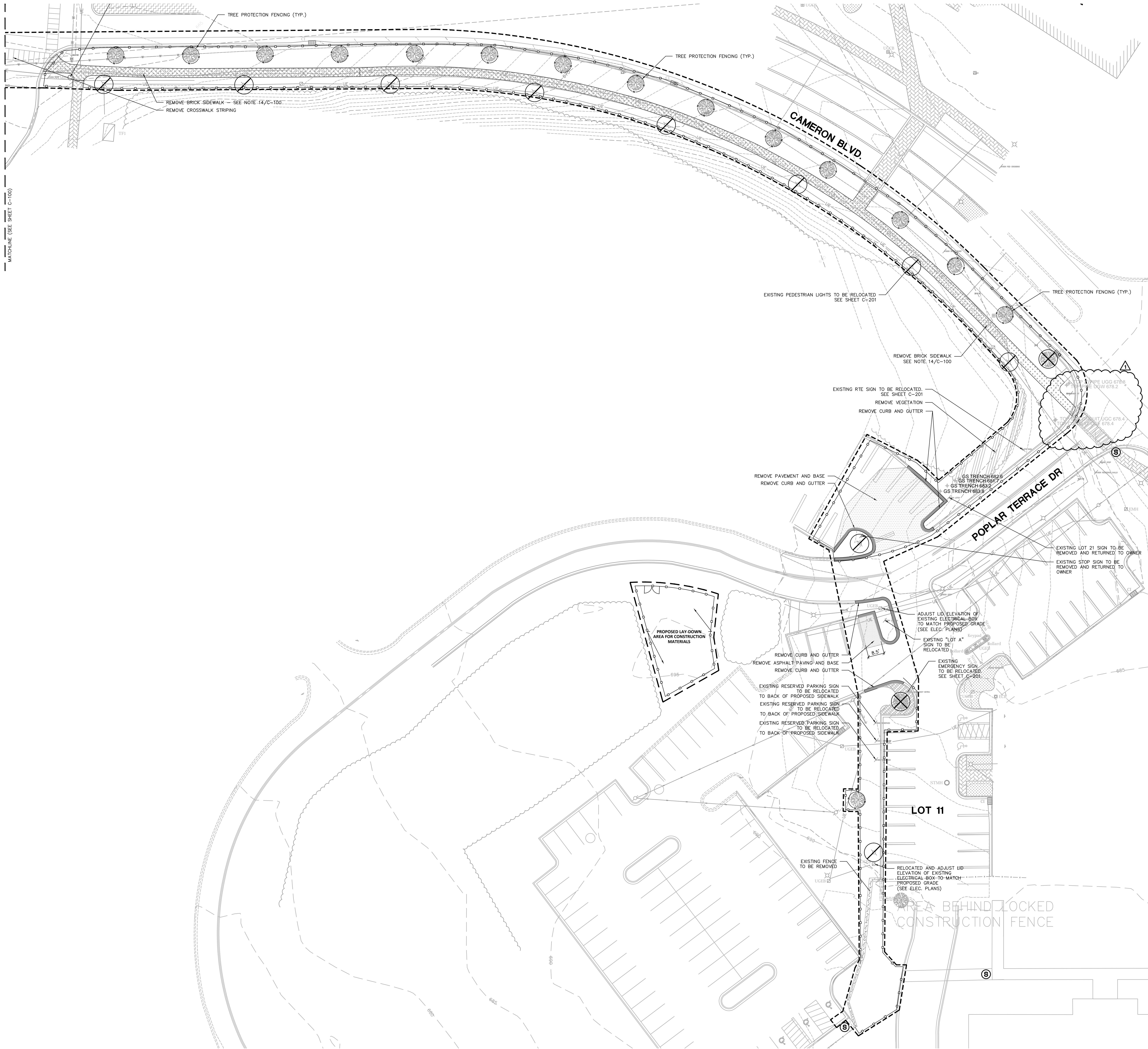
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C-100

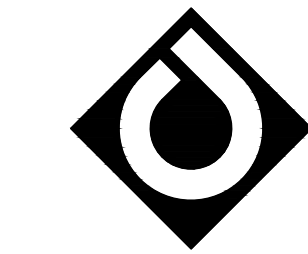
(BASE BID / ALT #4)

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Charlotte, North Carolina 28202
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url= www.colejeneststone.com

LEGEND

SYMBOL		
	ASPHALT TO BE REMOVED	-/-
	PAVERS TO BE REMOVED	-/-
	CURB TO BE REMOVED	-/-
	VEGETATION TO BE REMOVED	-/-
	TREE TO BE REMOVED	-/-
	LIGHT FIXTURE TO BE RELOCATED	-/-
	TREE PROTECTION FENCING	18/C-801
	PROJECT LIMIT	-/-
	CONSTRUCTION FENCE	-/-
	SIDEWALK CLOSED SIGN	-/-
	EXISTING LANDSCAPE	-/-

SEE SHEET C-100 FOR DEMOLITION NOTES

UNC-CHARLOTTE

9201 University City Blvd
Charlotte, NC 28223

CAMPUS CIRCULATION IMPROVEMENTS

SCO ID# 16-14055
CODE 41526 ITEM 310

CAMERON BLVD DEMOLITION PLAN

Project No.

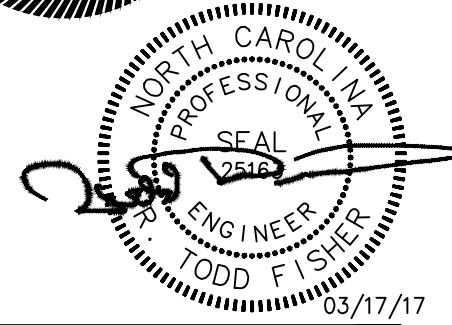
4496

Issued

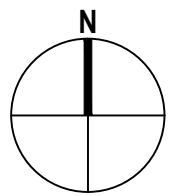
03/08/2017 - BID SET

Revised

3/17/17 - ADDENDUM #1



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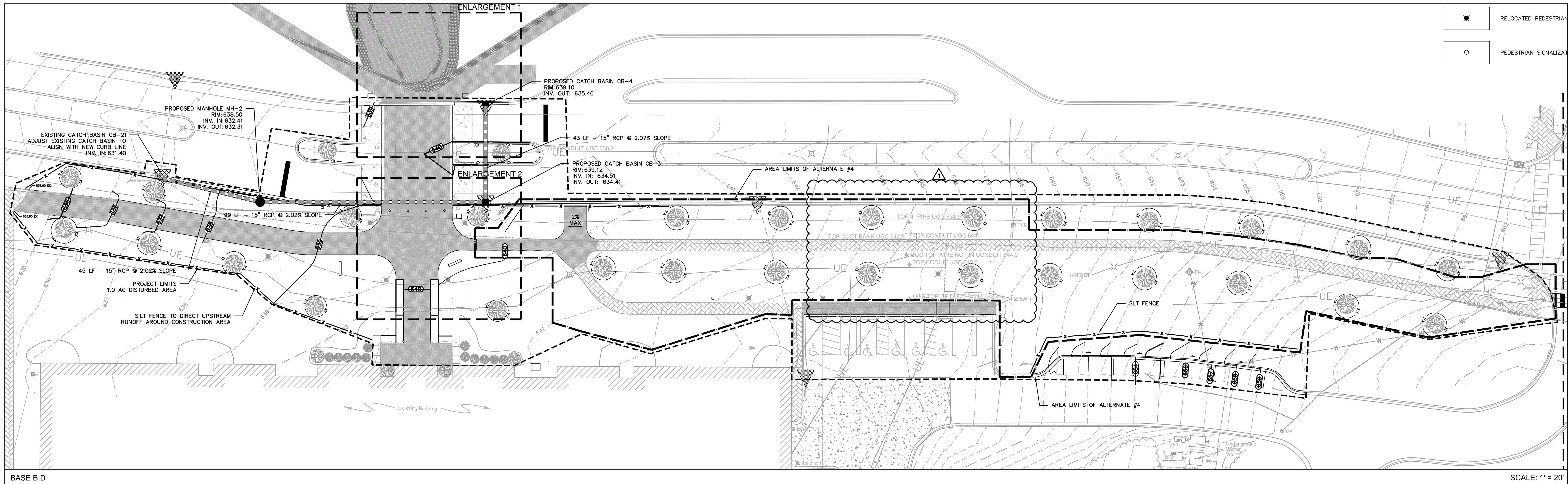
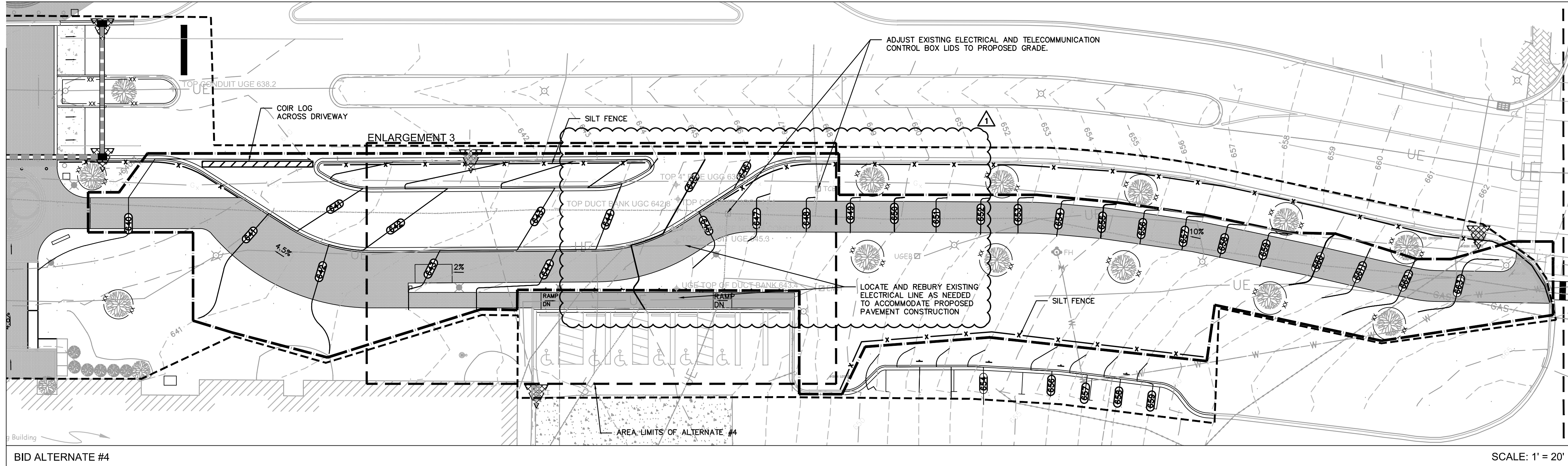
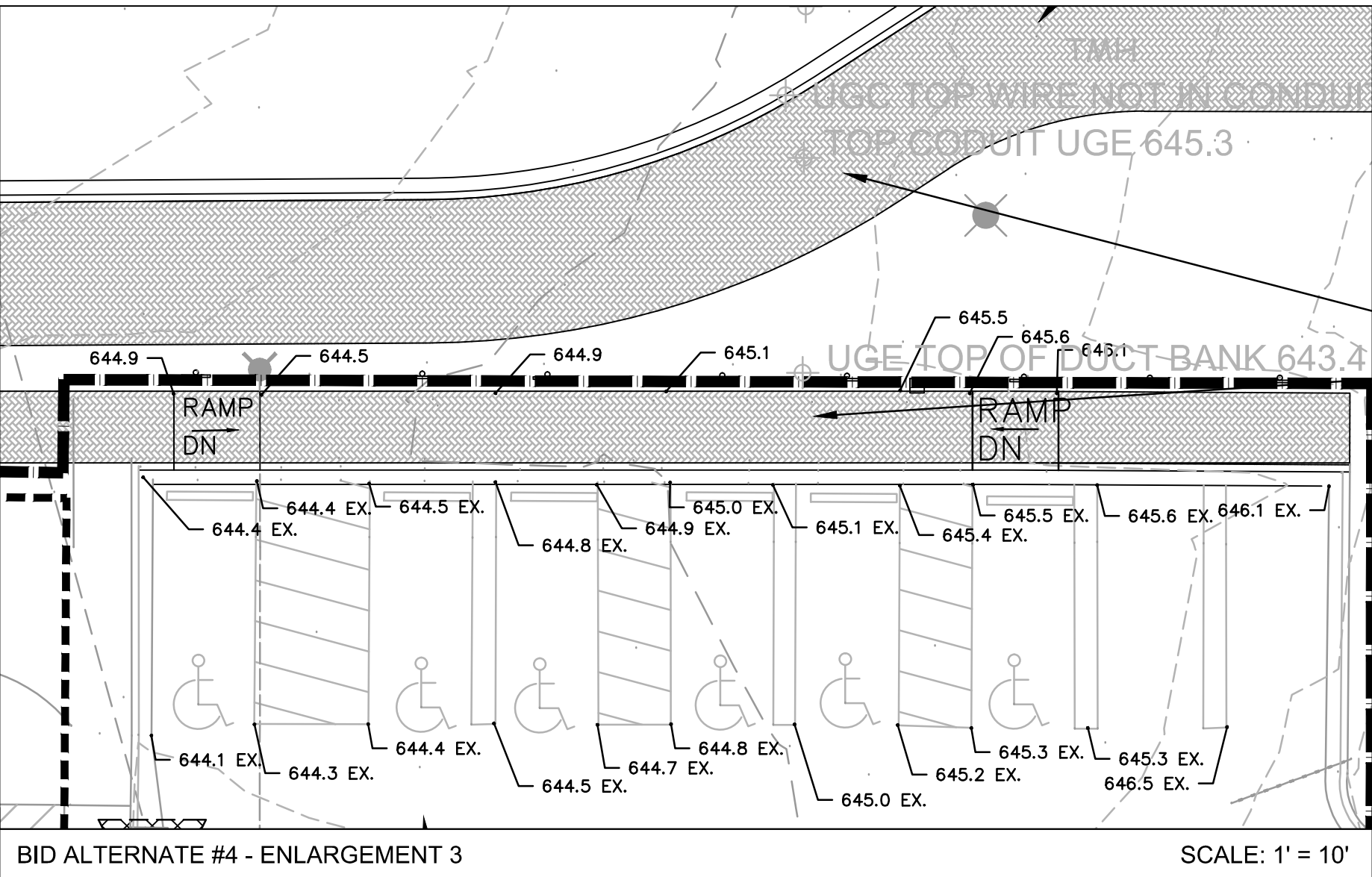
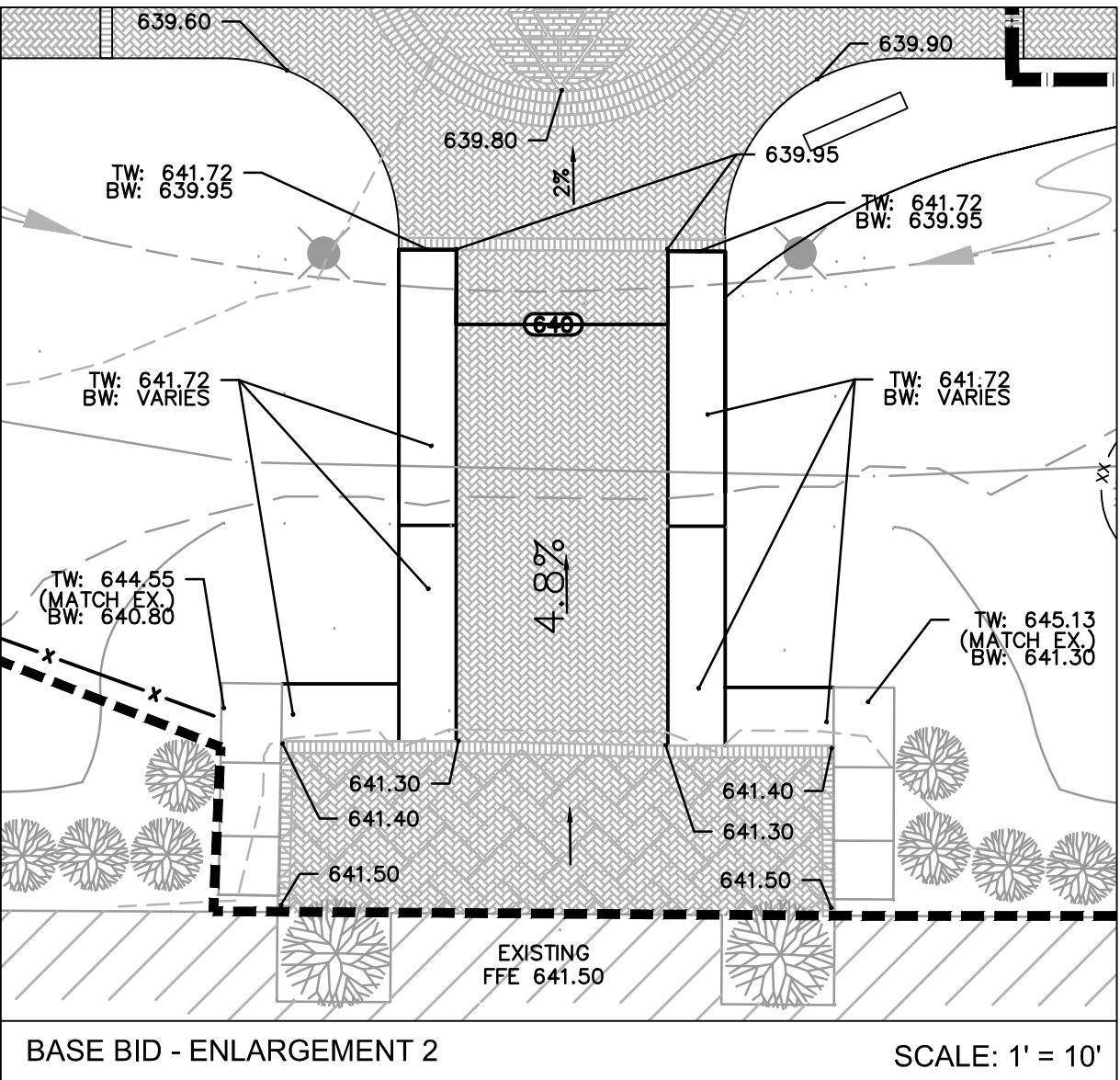
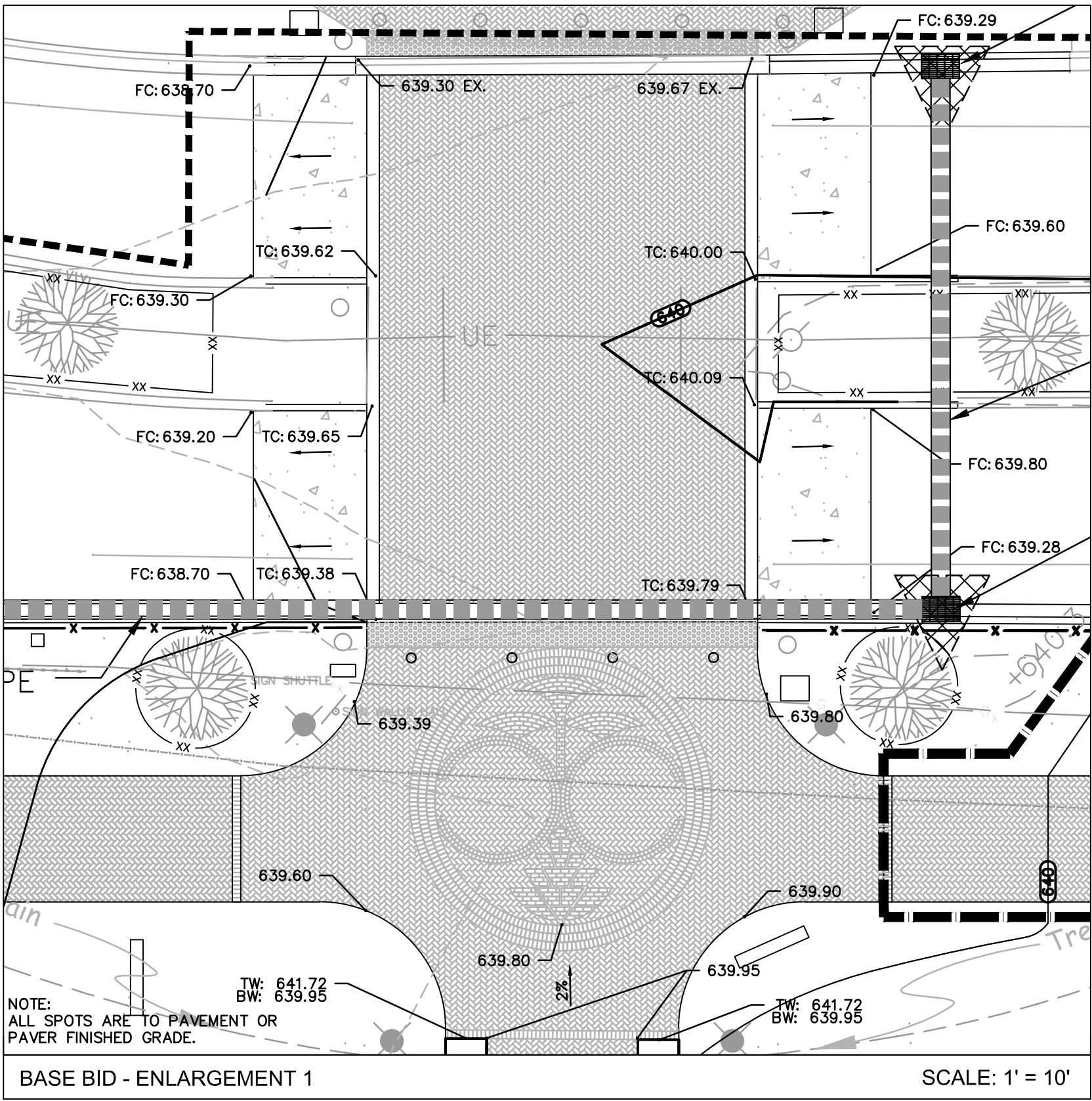


C-101 (ADD ALTERNATE #1)

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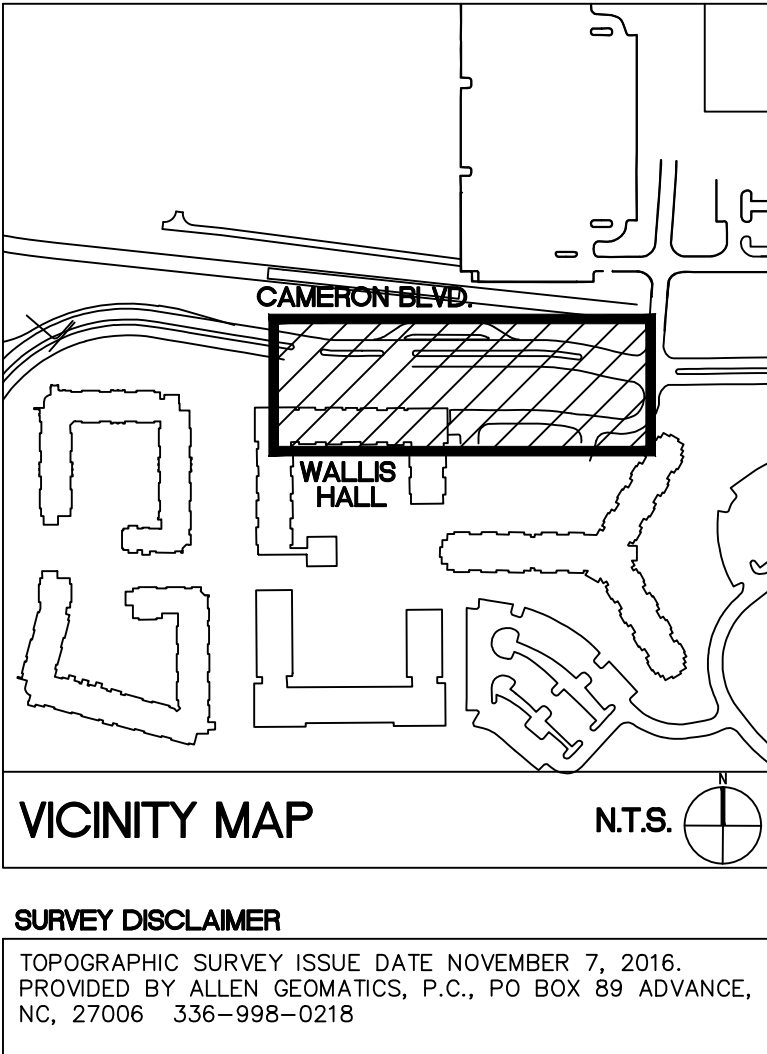
ColeJenest & Stone, P.A. 2016 ©

- North Carolina**
www.nc811.org
1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING
APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE
LOCATED PRIOR TO CONSTRUCTION.
 2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING
FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
 3. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS
PART 1926 SUBPART P, OR AS AMENDED.
 4. CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC
CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS
PRIOR TO CONSTRUCTION.

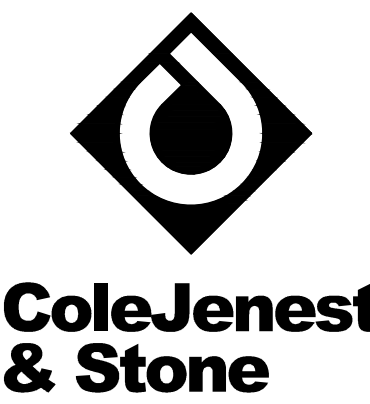


GRADING AND EARTHWORK NOTES

- REFER TO THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE DESIGN AND CONSTRUCTION MANUAL, DIVISION 31 FOR ALL EARTHWORK CONSTRUCTION GUIDELINES.
- ON-SITE BURIAL PITS REQUIRE A PERMIT.
- ANY GRADING BEYOND THE DENUDED LIMITS INDICATED ON THE CONSTRUCTION DOCUMENTS IS A VIOLATION OF EROSION CONTROL ORDINANCES AND IS SUBJECT TO A FINE.
- GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF EROSION CONTROL ORDINANCES AND IS SUBJECT TO A FINE.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ON ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNER(S).
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION.
- LIMITS OF CLEARING SHOWN ON GRADING PLAN ARE BASED UPON THE APPROXIMATE CUT AND FILL SLOPE LIMITS, OR OTHER GRADING REQUIREMENTS.
- ALL ELEVATIONS ARE IN REFERENCE TO THE SITE BENCHMARK. CONTRACTOR SHALL VERIFY THE BENCHMARK PRIOR TO GROUND BREAKING.
- THE PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN WITHIN ROADWAYS, PARKING LOTS, AND SIDEWALK AREAS REFLECT FINISHED ELEVATIONS INCLUDING PAVEMENT. REFER TO PAVEMENT CROSS SECTION DATA TO ESTABLISH CORRECT SUBBASE OR ADEQUATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
- GRADES SHALL BE ESTABLISHED TO PROVIDE A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. GRADING SHALL COMPLY WITH COMPACTION REQUIREMENTS AND GRADE CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED. WHERE NO SPOT GRADES ARE INDICATED, THE GRADE SHALL BE ESTABLISHED BASED ON INTERPOLATION OF THE ELEVATIONS BETWEEN ADJACENT SPOT GRADES WHILE MAINTAINING APPROPRIATE TRANSITION AT STRUCTURES AND PAVING, AND UNINTERRUPTED DRAINAGE FLOW INTO INLETS.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SUCH THAT RUNOFF WILL DRAIN BY GRAVITY FLOW ACROSS NEW GRADED AREAS TO NEW OR EXISTING DRAINAGE INLETS, OR SHEET OVERLAND.
- ALL SIDEWALKS, STOOPS, TERRACES AND OTHER PAVED AREAS SHALL SLOPE AWAY FROM BUILDING(S) AT 2.0% MAXIMUM.
- COLEJENEST AND STONE, P.A., HAS NOT PERFORMED ANY GEOTECHNICAL EVALUATIONS OF THE SUBJECT PROPERTY AND HAS NOT MADE ANY DETERMINATIONS AS TO THE SUITABILITY OF SITE SOILS FOR USE AS FILL BENEATH PROPOSED BUILDINGS, DRIVEWAYS, PARKING AREAS, OR FOR OTHER USES. ALL EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL BE RETAINED BY THE OWNER.
- ALL FILL SHALL BE PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED. ALL FILL WITHIN LIMITS OF BUILDING AND PAVEMENT AREAS SHALL BE COMPACTED TO 100% OF MAXIMUM STANDARD PROCTOR DENSITY WITHIN THE TOP 12 INCHES AND A MINIMUM 98% OF MAXIMUM STANDARD PROCTOR DENSITY BELOW 12-INCH DEPTH. FILL WITHIN LANDSCAPED AREAS SHALL BE COMPACTED TO MINIMUM 90% OF MAXIMUM STANDARD PROCTOR DENSITY. MAXIMUM STANDARD PROCTOR DENSITIES SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D 698. REFER TO GEOTECHNICAL ENGINEER'S REPORT FOR ADDITIONAL EARTHWORK SPECIFICATIONS AND REQUIREMENTS.
- FOR SLOPE CONSTRUCTION 3:1 AND STEEPER AND EXCEEDING 5 FEET IN VERTICAL HEIGHT, THE CONTRACTOR SHALL COORDINATE WITH A GEOTECHNICAL ENGINEER ON THE SUITABILITY OF SOILS PLANNED FOR THESE SLOPES AND FOLLOW RECOMMENDATIONS SET FORTH BY THE GEOTECHNICAL ENGINEER FOR SLOPE CONSTRUCTION. ALL SUCH SLOPES SHALL BE TRACKED TOP TO BOTTOM AND STABILIZED WITH A ROLLED EROSION CONTROL BLANKET CONSISTING OF POLYPROPYLENE NETTING AND A STRAW/COCONUT FIBER MATRIX, STAINED TO MANUFACTURER'S RECOMMENDATIONS. TOP SOIL PLACEMENT ON SLOPES SHALL BE INSTALLED IN A BENCHED PATTERN.
- ALL PROJECT SUBGRADE SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER. IF THE GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, THE UNSATISFACTORY MATERIAL SHALL BE REMOVED AND REPLACED WITH COMPACTED BACKFILL. SUCH ADDITIONAL AUTHORIZED EXCAVATION SHALL BE PAID FOR ACCORDING TO THE CONTRACT PROVISIONS FOR UNIT PRICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL FILL AND BACKFILL MATERIAL WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698. SOIL MATERIAL THAT EXCEEDS THE OPTIMUM MOISTURE CONTENT BY 3 PERCENT OR MORE, AND IS TOO WET TO COMPACT TO THE SPECIFIED DRY UNIT WEIGHT, SHALL BE SCARIFIED AND AIR DRIED, LIME STABILIZED, OR REMOVED AND REPLACED.
- CONTRACTOR SHALL PROVIDE ALL DEWATERING MEASURES NECESSARY, INCLUDING WELL POINTS, SUMP PUMPS, TEMPORARY SHORING, ETC., TO ENSURE COMPLETION OF STABLE EXCAVATION AND BACKFILL OPERATIONS. GROUNDWATER SHALL BE MAINTAINED A MINIMUM OF 2 FT. BELOW THE BOTTOM OF ALL EXCAVATIONS.
- CONTRACTOR SHALL CONSULT WITH THE GEOTECHNICAL ENGINEER AND PROVIDE ANY AND ALL SHORING DETERMINED TO BE NECESSARY TO PROTECT EXISTING BUILDING FOUNDATIONS OR OTHER ADJACENT IMPROVEMENTS.
- OWNER SHALL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY CONTROL TESTING. TESTING AGENCY SHALL TEST COMPACTION OF SOILS IN PLACE ACCORDING TO ASTM D2922 AND ASTM D2937, AS APPLICABLE. TEST SHALL BE PERFORMED AT EACH COMPACTED BACKFILL LAYER AT A RATE OF NOT LESS THAN ONE TEST FOR EACH 2500 SF OF FILL AREA OR ONE TEST PER EACH 100 LF OF WALL OR TRENCH LENGTH.
- ALL GRADED OR DISTURBED AREAS BEYOND THE LIMITS OF PAVING, SIDEWALKS, BUILDINGS, ETC., THAT ARE NOT OTHERWISE LANDSCAPED PER THE LANDSCAPING PLAN, SHALL BE STABILIZED WITH A NEW LAWN SEEDING IN ACCORDANCE WITH THE SEEDING PRESCRIPTION, SEE SHEET C-403. CONTRACTOR SHALL MAINTAIN SEEDING AREAS UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
- THE TOTAL DENUDED AREA FOR ALL PROJECT AREAS IS 1.96 ACRES. THE TOTAL DENUDED AREA FOR BASE BID IS 1.32 ACRES (NON-ADJOINING).
DENUDED AREA FOR MAIN STATION WORK AREA IS 1.0 ACRES.
DENUDED AREA FOR CAMERON BLVD. WORK AREA IS 0.56 ACRES.
DENUDED AREA FOR STUDENT UNION WORK AREA IS 0.08 ACRES.
DENUDED AREA FOR W. CLAY BLVD. WORK AREA IS 0.32 ACRES.
- SEE SHEET C-403 FOR EROSION CONTROL NOTES & CONSTRUCTION SEQUENCE.



LEGEND	
	PROPOSED CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED HIGH POINT
	PROPOSED DRAINAGE SWALE
	PROPOSED STORM DRAINAGE
	PROPOSED AREA DRAIN
	PROPOSED CATCH BASIN
	PROPOSED MANHOLE
	ADD ALTERNATE LIMITS
	EXISTING PEDESTRIAN LIGHTING
	RELOCATED PEDESTRIAN LIGHTING
	PEDESTRIAN SIGNALIZATION



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SCO ID# 16-14055
CODE 41526 ITEM 310

MAIN STATION -
GRADING, DRAINAGE
AND EROSION
CONTROL PLAN

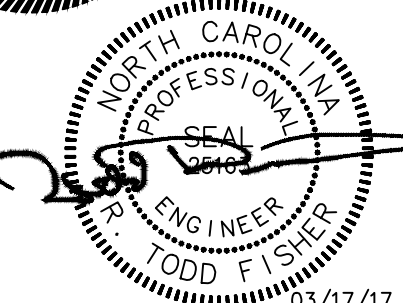
Project No.
4496

Issued

03/08/2017 - BID SET

Revised

3/17/17 - ADDENDUM #1



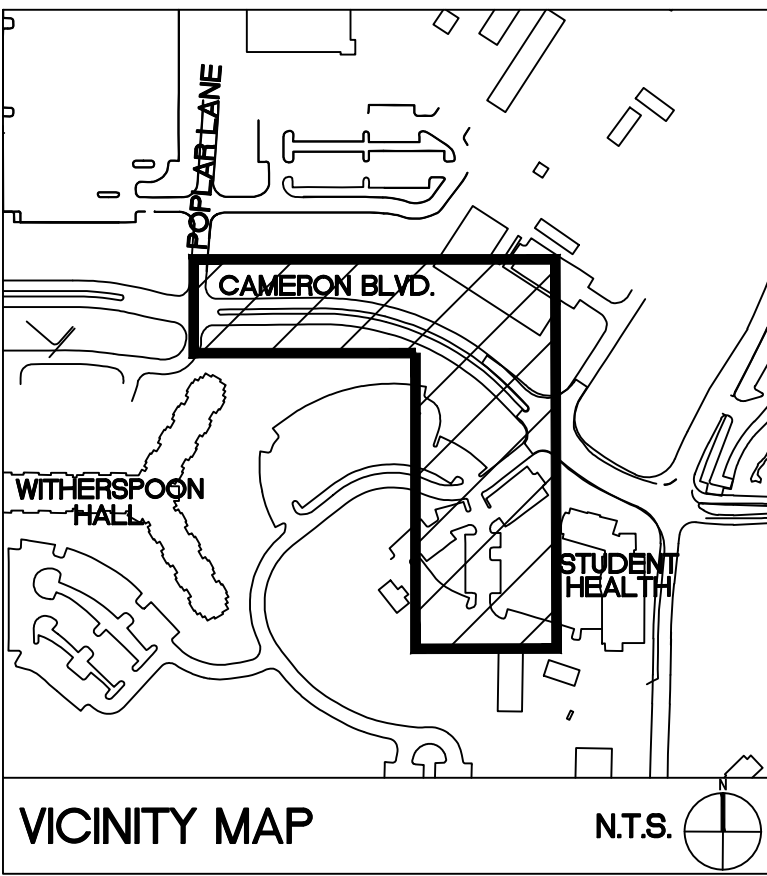
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C-400
(BASE BID/ALT. #4.5)

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MATCHLINE SEE C-400



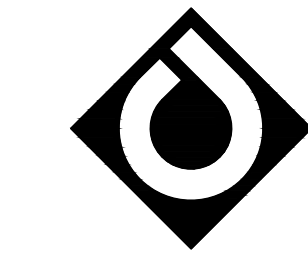
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LEGEND

SYMBOL	
	PROPOSED CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED HIGH POINT
	PROPOSED DRAINAGE SWALE
	PROPOSED STORM DRAINAGE
	PROPOSED AREA DRAIN
	SILT FENCE
	TREE PROTECTION FENCING
	CATCH BASIN INLET PROTECTION
	PROJECT LIMIT
	PROPOSED MANHOLE
	PROPOSED CATCH BASIN
	EXISTING PEDESTRIAN LIGHTING
	RELOCATED PEDESTRIAN LIGHTING

SEE SHEET C-400 FOR GRADING & EARTHWORK NOTES.
SEE SHEET C-403 FOR EROSION CONTROL NOTES AND
CONSTRUCTION SEQUENCE.

DETAIL



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CAMPUS CIRCULATION IMPROVEMENTS

SCO ID# 16-14055
CODE 41526 ITEM 310

CAMERON BLVD. GRADING, DRAINAGE, AND EROSION PLAN

Project No.

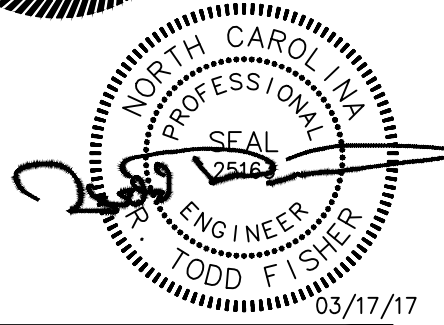
4496

Issued

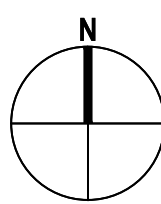
03/08/2017 - BID SET

Revised

3/17/17 - ADDENDUM #1



SCALE: 1"= 20'
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C-401 (ADD ALTERNATE #1)

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- CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING
APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE
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- CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING
FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
- SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS
PART 1926 SUBPART P, OR AS AMENDED.
- CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC
CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS
PRIOR TO CONSTRUCTION.

PLANT SCHEDULE BASE BID

QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
5,259 SQ. FT.	SEED (SEE SPECIFICATIONS)	—	

PLANT SCHEDULE ALTERNATE #6A

QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
2	LIVE OAK	4" CAL	AS SHOWN
2	CAMELLIA 'MAGNOLIAEFLORA'	36"-48" HT	AS SHOWN
50	LEUCODHOE 'RAINBOW'	18"-24" SPR.	AS SHOWN
160	'WHITE PEARL' LENTEN ROSE	8"-12" HT.	AS SHOWN
5,259 SQ. FT.	SOD (SEE SPECIFICATIONS)	—	

PLANT SCHEDULE ALTERNATE #6B

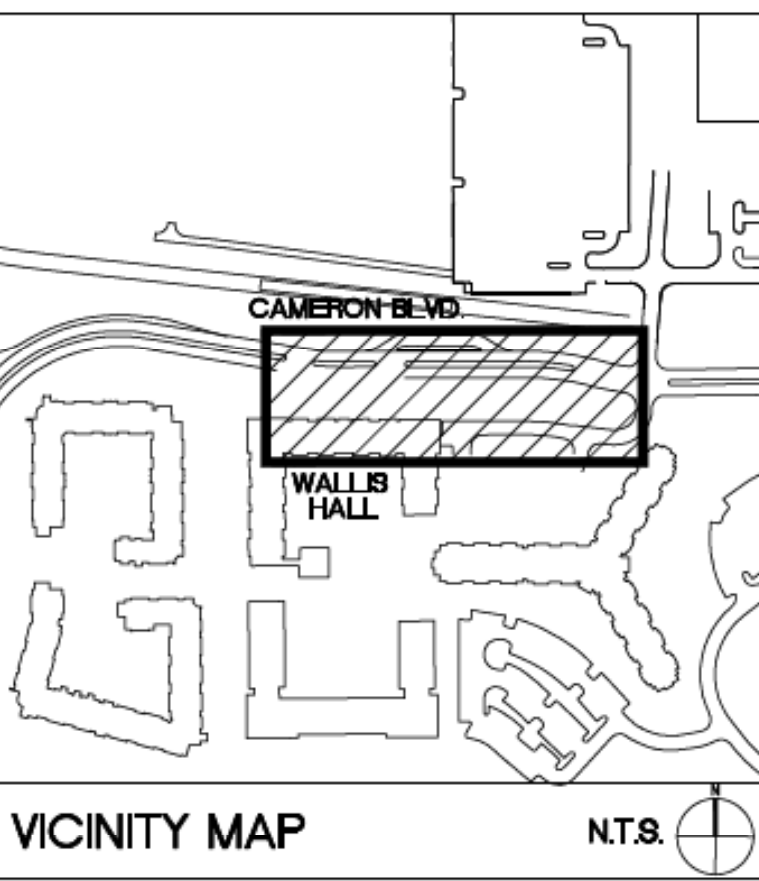
QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
5	'WIRT L. WINN' HOLLY	7"-8" HT.	AS SHOWN
3	LIVE OAK	4" CAL	AS SHOWN
2	CAMELLIA 'MAGNOLIAEFLORA'	36"-48" HT	AS SHOWN
50	LEUCODHOE 'RAINBOW'	18"-24" SPR.	AS SHOWN
160	'WHITE PEARL' LENTEN ROSE	8"-12" HT.	AS SHOWN
364	LIRIOPE SPICATA	8"-12" HT.	AS SHOWN
9,857 SQ. FT.	SOD (SEE SPECIFICATIONS)	—	

PLANTING NOTES

1. SIZE AND GRADING STANDARDS OF PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF "USA STANDARDS FOR NURSERY STOCK", BY THE AMERICAN ASSOCIATION OF NURSERMAN, INC.
2. HEIGHT AND WIDTH SPECIFICATIONS INDICATED ON PLAN SHALL TAKE PRECEDENCE OVER CONTAINER SIZE AND CALIPER.
3. CONTRACTOR SHALL MULCH ALL SHRUB BEDS WITH 4" AGED SHREDDED HARDWOOD BARK. CONTRACTOR SHALL MULCH ALL ANNUAL/PERENNIAL BEDS WITH 1" PINE BARK FINES.
4. ALL DISTURBED AREAS NOT OTHERWISE PLANTED SHALL BE SEED BY THE CONTRACTOR (BASE BID) OR SODDED BY THE CONTRACTOR (BID ALT 6A/6B).
5. CONTRACTOR SHALL REMOVE ALL HARD LUMPS OF CLAY, STONES OVER 1" IN DIAMETER, AND ALL CONSTRUCTION DEBRIS INCLUDING GRAVEL, ROOTS, LIMBS AND OTHER DILETERIOUS MATTER WHICH WOULD BE HARMFUL OR PREVENT PROPER ESTABLISHMENT AND/OR MAINTENANCE OF LAWN AND PLANTING AREAS.
6. IN AREAS WHERE CONSTRUCTION GRAVEL IS EMBEDDED IN THE SOIL, CONTRACTOR SHALL REMOVE CONTAMINATED SOIL TO A DEPTH OF 18" AND FILL WITH CLEAN TOPSOIL. CONTRACTOR SHALL IMPORT TOPSOIL AT NO CHARGE TO OWNER IF REQUIRED TO FILL THESE EXCAVATIONS.
7. CONTRACTOR SHALL RESOD LAWN AREAS DAMAGED DUE TO PLANT MATERIAL INSTALLATION.
8. ALL STRAPPING AND TOP 2/3 OF WIRE BASKET SHALL BE CUT AWAY AND REMOVED BY THE CONTRACTOR FROM ROOT BALL PRIOR TO BACKFILLING PLANTING PIT. CONTRACTOR SHALL REMOVE TOP 1/3 OF THE BURLAP FROM ROOT BALL.
- 8A. FOR NEW TREE PLANTING AREAS, CONTRACTOR SHALL REMOVE ALL PAVEMENT, GRAVEL, SUB-BASE AND CONSTRUCTION DEBRIS; REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL, OR AMEND THE TOP 24" OF EXISTING SOIL, TO MEET SPECIFIED TOPSOIL/PLANTING MIX STANDARDS FOR TREES. INCLUDE IN BASE BID.
9. LARGE MATURING TREES SHALL BE A MINIMUM 25 TO 30 FEET FROM OVERHEAD DISTRIBUTION OR TRANSMISSION LINES. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO RESOLVE BEFORE PLANTING.
10. MINIMUM TREE SIZE AT PLANTING SHALL BE 3 INCH CALIPER FOR LARGE MATURING TREES AND 2 INCH CALIPER FOR SMALL MATURING TREES. ALL MULTI-STEM PLANTS SHALL BE TREE FORM, MAXIMUM THREE TO FIVE TRUNKS, AND A MINIMUM EIGHT FEET TALL.
11. INSTALLER SHALL BE RESPONSIBLE TO REPAIR OR REPLACE PLANTINGS THAT FAIL IN MATERIALS, WORKMANSHIP, OR GROWTH WITHIN SPECIFIED WARRANTY PERIOD (ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER).
12. FOR SEEDED AREAS, AN ACCEPTABLE LAWN AT THE END OF THE MAINTENANCE PERIOD SHALL CONSIST OF A HEALTHY, UNIFORM, CLOSE STAND OF GRASS, FREE OF WEEDS AND SURFACE IRREGULARITIES, WITH TOTAL GRASS COVERAGE EXCEEDING 90 PERCENT OVER ANY 10 SQ. FT. AND BARE SPOTS NOT EXCEEDING 5 BY 5 INCHES, WITH AT LEAST 80% OF THE TOTAL GRASS COVERAGE CONSISTING OF THE SPECIFIED GRASS SPECIES.
13. ANY AND ALL DAMAGE TO EXISTING IRRIGATION SYSTEM IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR. CONTRACTOR TO COORDINATE WITH CONSTRUCTION MANAGER TO ENSURE IRRIGATION TEAM INSPECTS THE REPAIR WORK BEFORE IT IS COVERED UP.

TREE PROTECTION NOTES

1. TREE PROTECTION FENCING MUST BE INSTALLED BEFORE ANY DEMOLITION, CLEARING OR GRADING BEGINS, AND NOT REMOVED UNTIL FINAL INSPECTION.
2. THE TREE PROTECTION FENCE SHALL BE LOCATED ALONG THE PERIMETER OF THE TREE SAVE AREA (DRIP LINE PLUS 5 FEET). TREE PROTECTION FENCING FOR A FOREST CANOPY STAND AREA IS TO BE LOCATED ALONG THE PERIMETER OF THE TREE SAVE AREA AROUND THE FOREST EDGE. TREE PROTECTION FENCING SHALL CONSIST OF ORANGE SAFETY FENCING OR A COMBINATION OF ORANGE SAFETY FENCING WITH SILT FENCING AT A MINIMUM OF 4 FEET IN HEIGHT ON METAL OR WOOD POSTS.
3. NO SOIL DISTURBANCE OR COMPACTION, STOCK PILING OF SOIL OR OTHER CONSTRUCTION MATERIAL, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT AND MATERIALS ARE ALLOWED WITHIN THE TREE SAVE AREA.
4. NO ROPES, SIGNS, WIRES, UNPROTECTED ELECTRICAL INSTALLATION OR OTHER DEVICE OR MATERIAL SHALL BE SECURED OR FASTENED AROUND OR THROUGH A TREE OR SHRUB.
5. ALL PROTECTIVE MEASURES SHALL BE MAINTAINED THROUGHOUT THE LAND DISTURBING AND CONSTRUCTION PROCESS, AND SHALL NOT BE REMOVED UNTIL FINAL LANDSCAPING IS INSTALLED.



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LEGEND

SYMBOL	DETAIL
	EXISTING TREELINE -/-
	PROPOSED TREELINE -/-
	EXISTING TREE -/-
	PROPOSED TREE 17/C-801
	PROPOSED SHRUBS 17/C-801
	PROPOSED GROUNDCOVER -/-
	PROPOSED SOD -/-
	PROPOSED LIGHT FIXTURE SEE ELECTRICAL PLAN -/-



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SCO ID# 16-14055
CODE 41526 ITEM 310

MAIN STATION -
PLANTING PLAN
(WALLIS HALL)

Project No.
4496

Issued
03/08/2017 - BID SET

Revised
03/17/17 - ADDENDUM #1

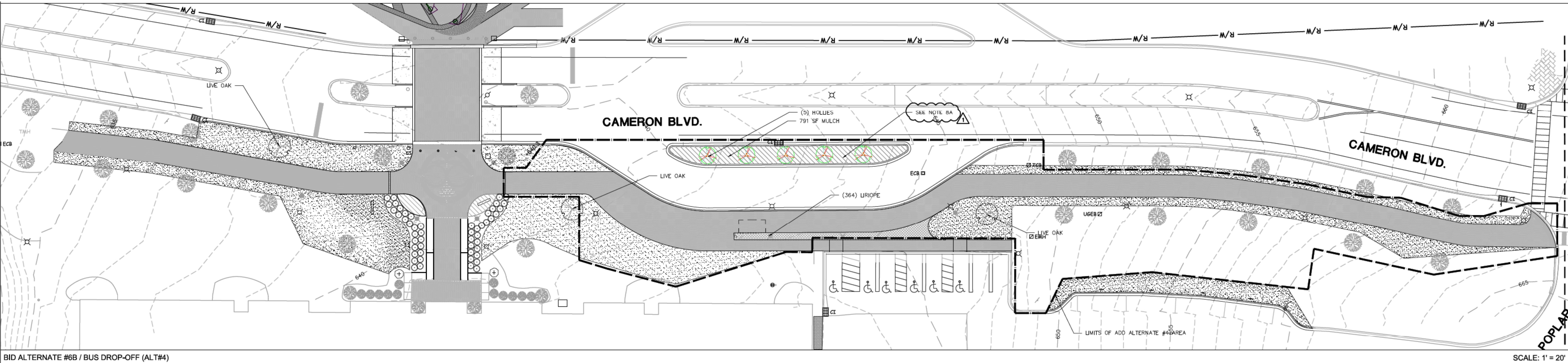
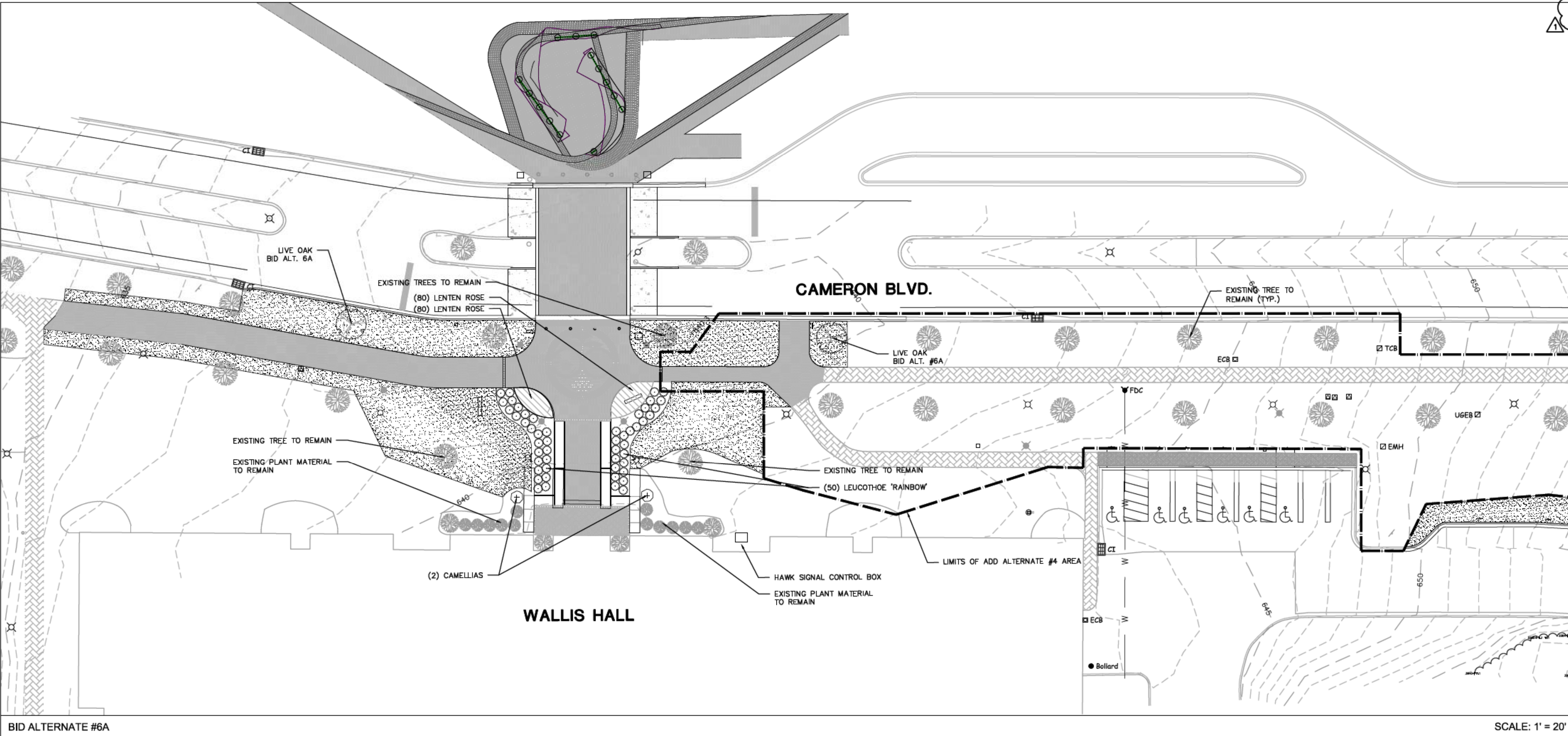


03/08/17

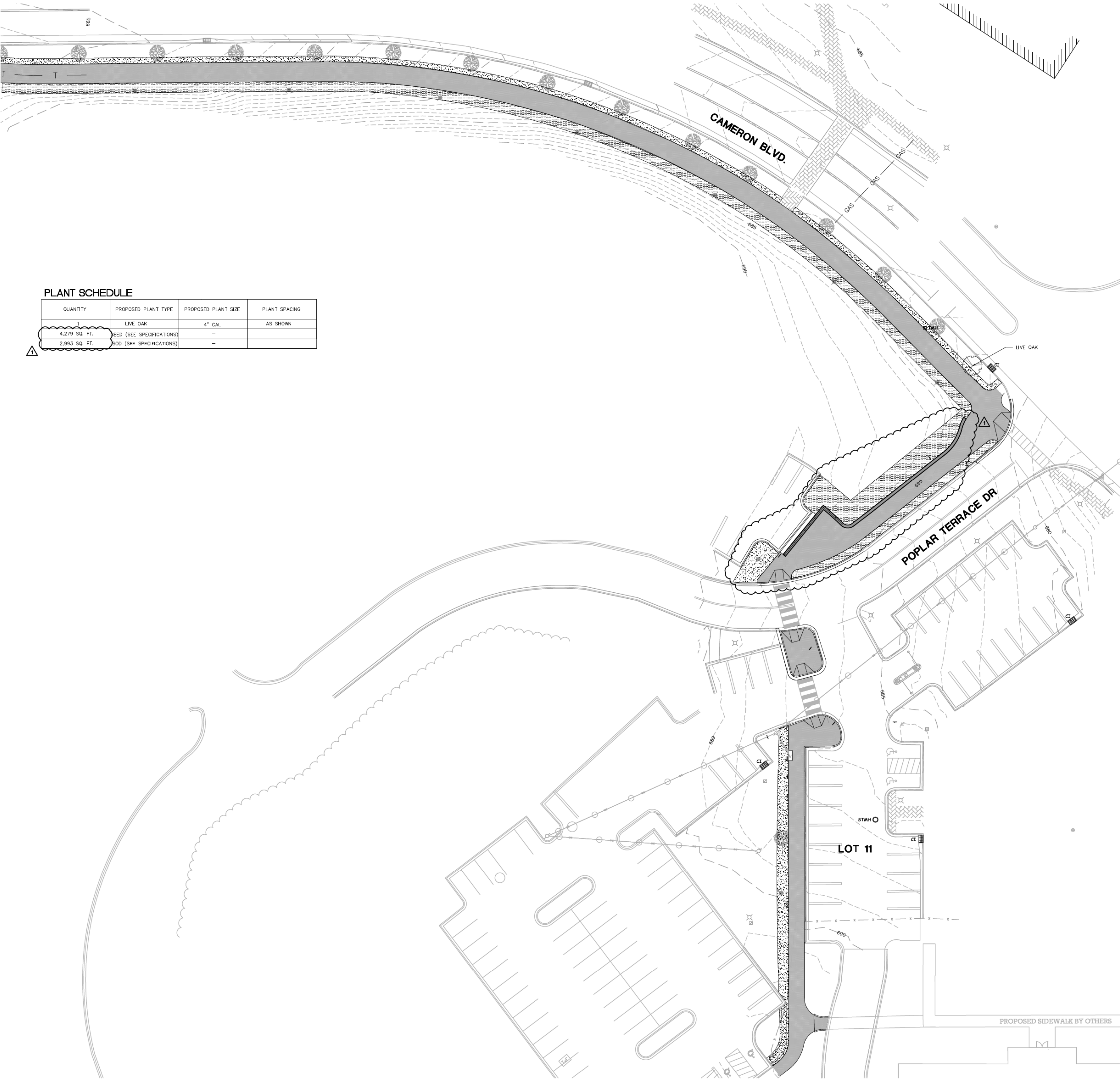
SCALE: 1"= 20'
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C-700
(BASE BID/ALT. #6A/6B)

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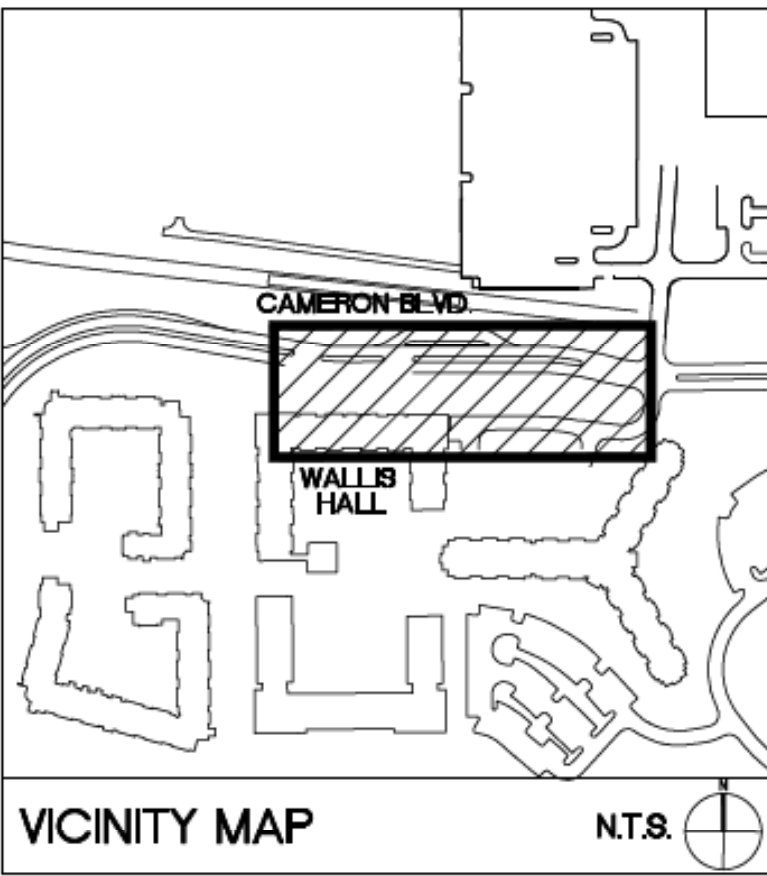


BASE BID: INCLUDES PLANTING BED AND SOIL PREPARATION/TOPSOIL INSTALLATION PER SPECIFICATION 329000 AND 329300, WITH SEED AND MULCH ONLY.
ALL PLANT MATERIAL OTHER THAN SEED AND MULCH IS BID AS ALTERNATE.



PLANT SCHEDULE

QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
1	LIVE OAK	4" CAL	AS SHOWN
4,279 SQ. FT.	SEED (SEE SPECIFICATIONS)	-	
2,993 SQ. FT.	SOD (SEE SPECIFICATIONS)	-	



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LEGEND

SYMBOL	DETAIL
	EXISTING TREELINE -/-
	PROPOSED TREELINE -/-
	EXISTING TREE -/-
	PROPOSED TREE (TRANSPLANTED) 17/C-801
	PROPOSED SHRUBS 17/C-801
	PROPOSED GROUNDCOVER -/-
	PROPOSED SEED/SOD -/-
	PROPOSED LIGHT FIXTURE SEE ELECTRICAL PLAN -/-

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IMPROVEMENTS

SCO ID# 16-14055
CODE 41526 ITEM 310

CAMERON BLVD
PLANTING PLAN

Project No.
4496

Issued

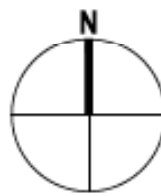
03/08/2017 - BID SET

Revised

03/17/17 - ADDENDUM #1



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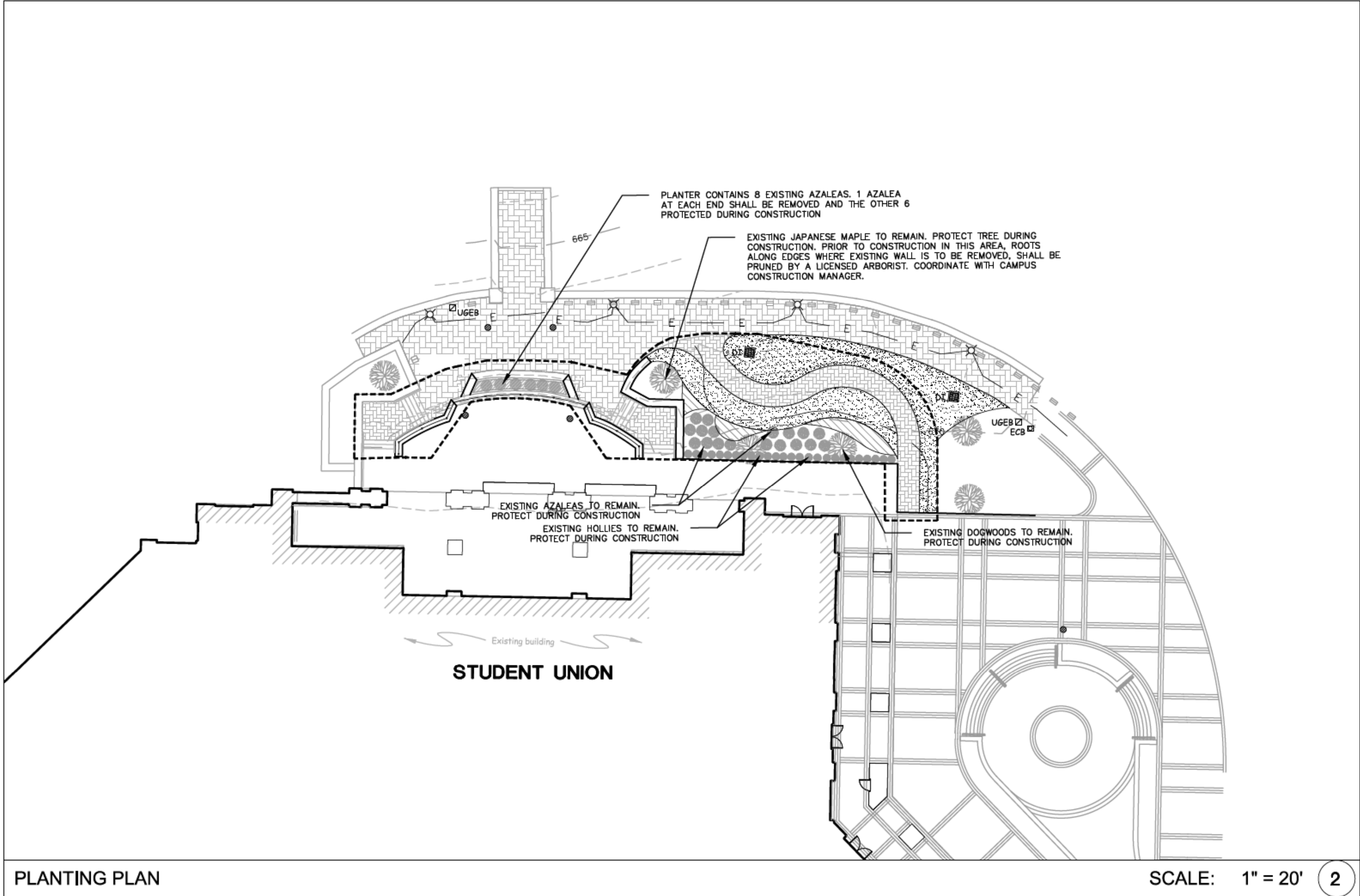


C-701
(ADD ALTERNATE #1)

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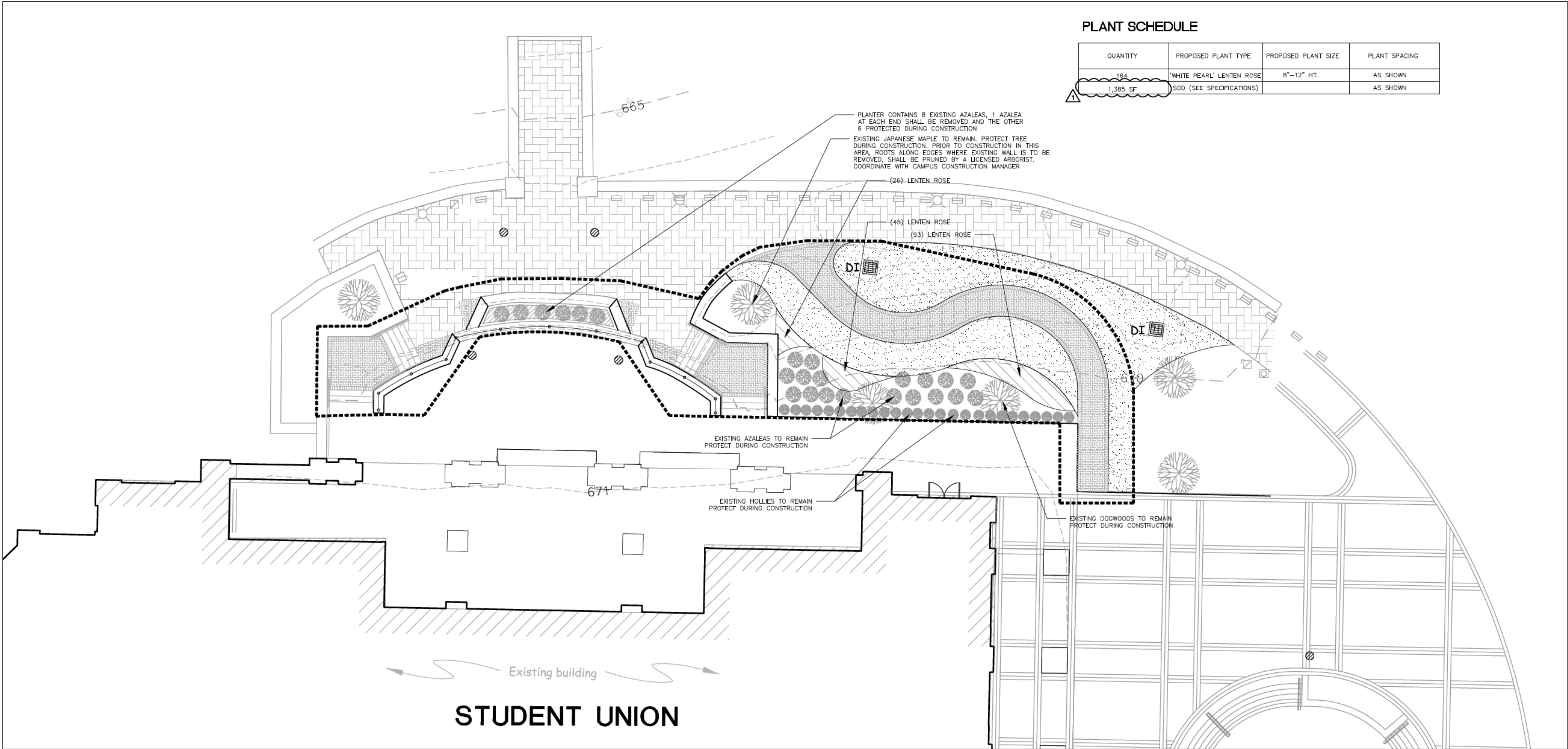
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- North Carolina 811**
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- CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING
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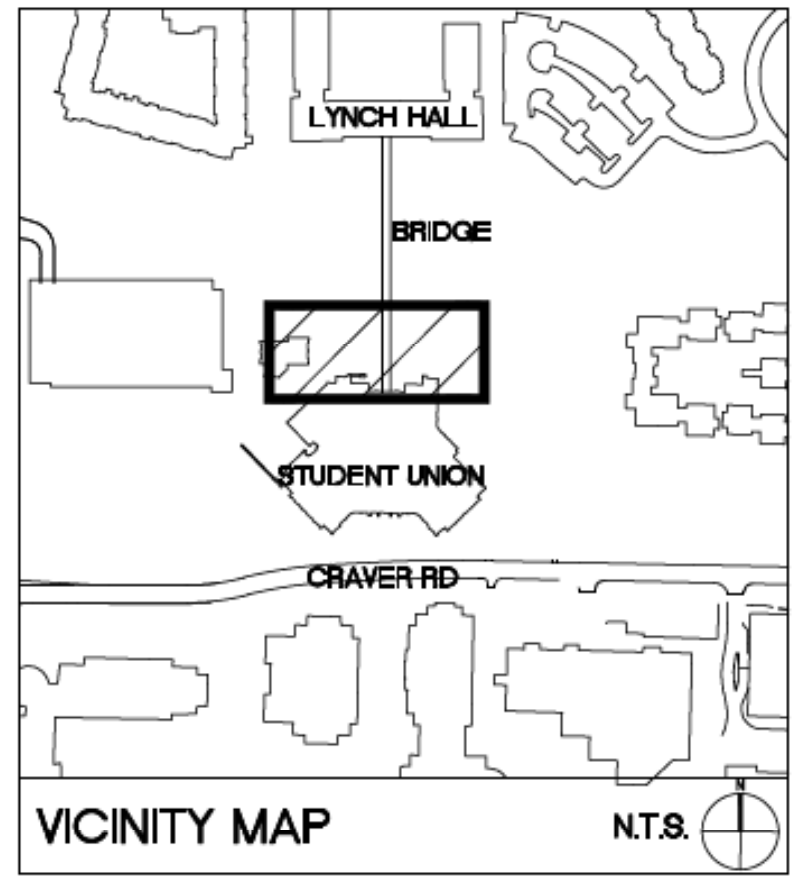
PLANTING PLAN

SCALE: 1" = 20' 2



PLANTING ENLARGEMENT

SCALE: 1" = 10' 1



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LEGEND

SYMBOL	DESCRIPTION	DETAIL
	EXISTING TREELINE	-/-
	PROPOSED TREELINE	-/-
	EXISTING TREE	-/-
	PROPOSED TREE	17/C-801
	PROPOSED SHRUBS	17/C-801
	PROPOSED GROUNDCOVER	-/-
	PROPOSED SEED/SOD	-/-

SEE SHEET C-700 FOR
LANDSCAPE NOTES



Shaping the Environment
Realizing the Possibilities

Land Planning
+ Landscape Architecture
+ Civil Engineering
+ Urban Design

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**CAMPUS
CIRCULATION
IMPROVEMENTS**

SCO ID# 16-14055
CODE 41526 ITEM 310

**STUDENT UNION -
PLANTING PLAN**

Project No.
4496

Issued
03/08/2017 - BID SET

Revised
03/17/17 - ADDENDUM #1



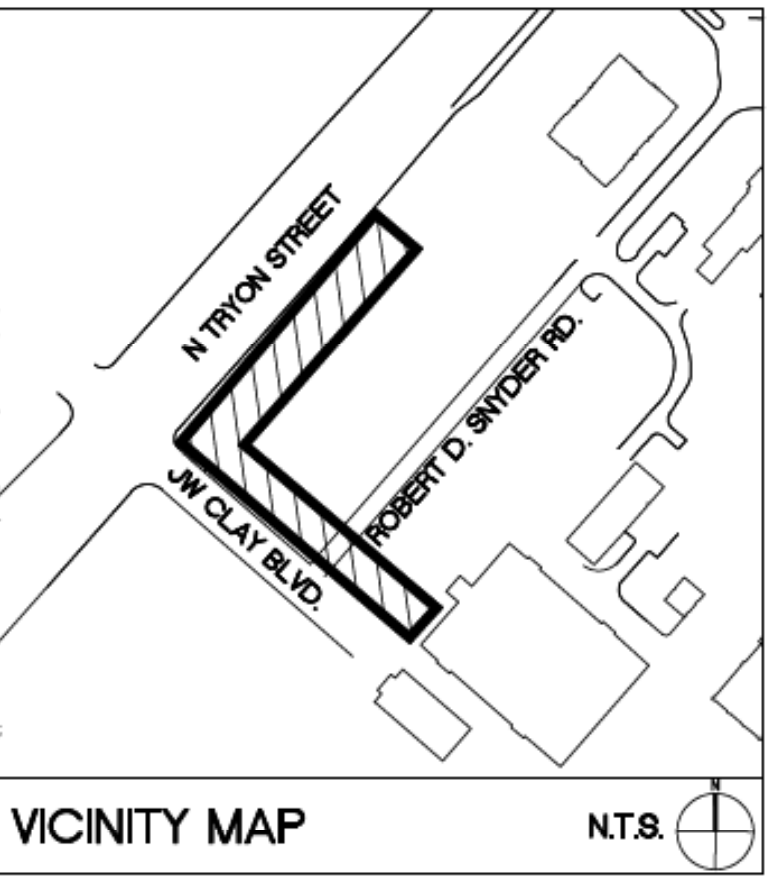
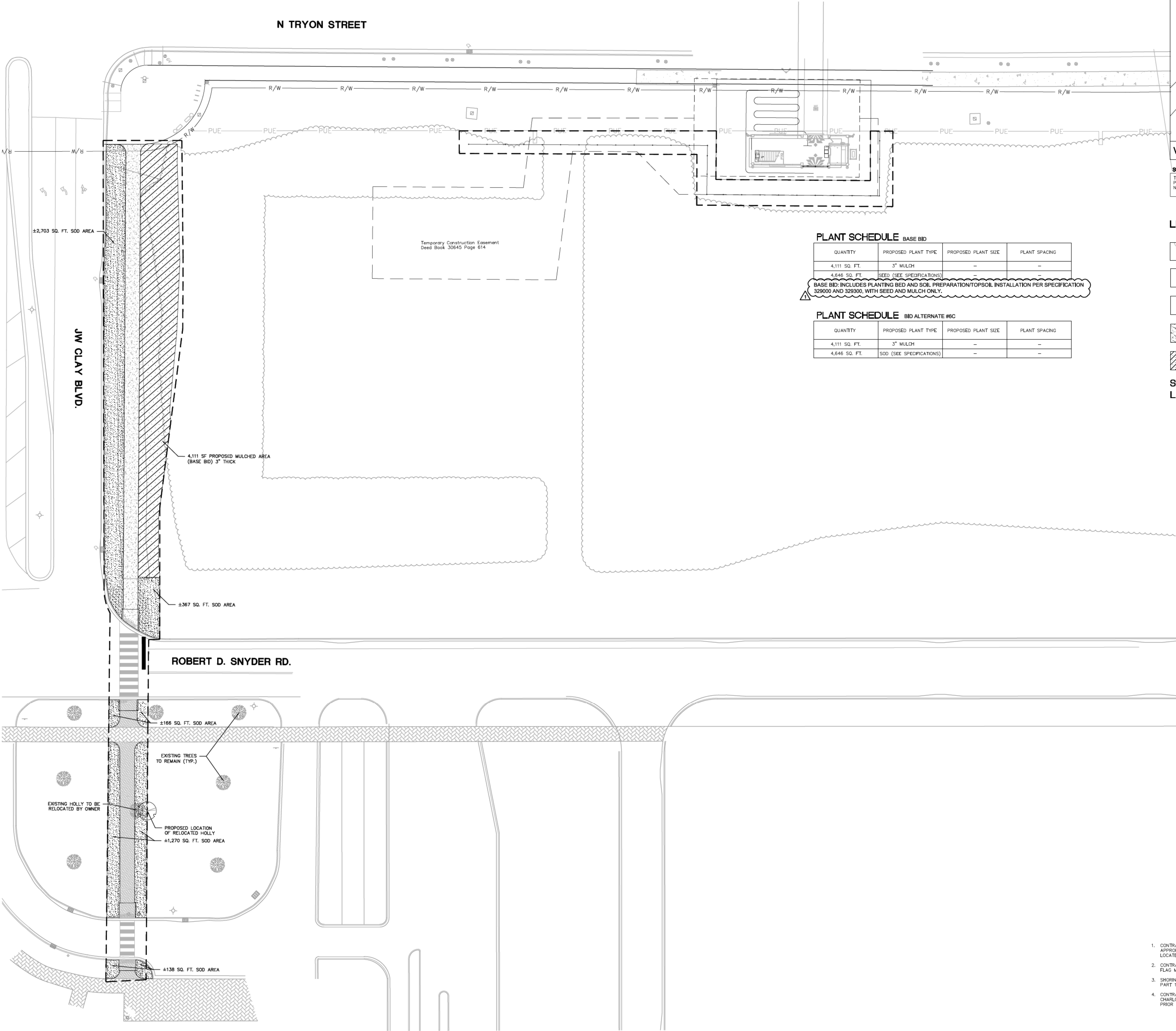
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**C-702
(ADD ALTERNATE #2)**

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N TRYON STREET



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PLANT SCHEDULE BASE BID

QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
4,111 SQ. FT.	3" MULCH	-	-
4,646 SQ. FT.	SEED (SEE SPECIFICATIONS)	-	-

BASE BID: INCLUDES PLANTING BED AND SOIL PREPARATION/TOPSOIL INSTALLATION PER SPECIFICATION 329000 AND 329300, WITH SEED AND MULCH ONLY.

PLANT SCHEDULE BID ALTERNATE #6C

QUANTITY	PROPOSED PLANT TYPE	PROPOSED PLANT SIZE	PLANT SPACING
4,111 SQ. FT.	3" MULCH	-	-
4,646 SQ. FT.	SOD (SEE SPECIFICATIONS)	-	-

LEGEND

SYMBOL	
	EXISTING TREELINE
	EXISTING TREE
	PROPOSED TREE
	PROPOSED SEED/SOD AREA
	PROPOSED MULCHED AREA

SEE SHEET C-700 FOR
LANDSCAPE NOTES

DETAIL

-/-

-/-

-/-

-/-

-/-

-/-



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**CAMPUS
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IMPROVEMENTS**

SCO ID# 16-14055
CODE 41526 ITEM 310

**JW CLAY -
PLANTING PLAN**

Project No.
4496

Issued

03/08/2017 - BID SET

Revised

03/17/17 - ADDENDUM #1



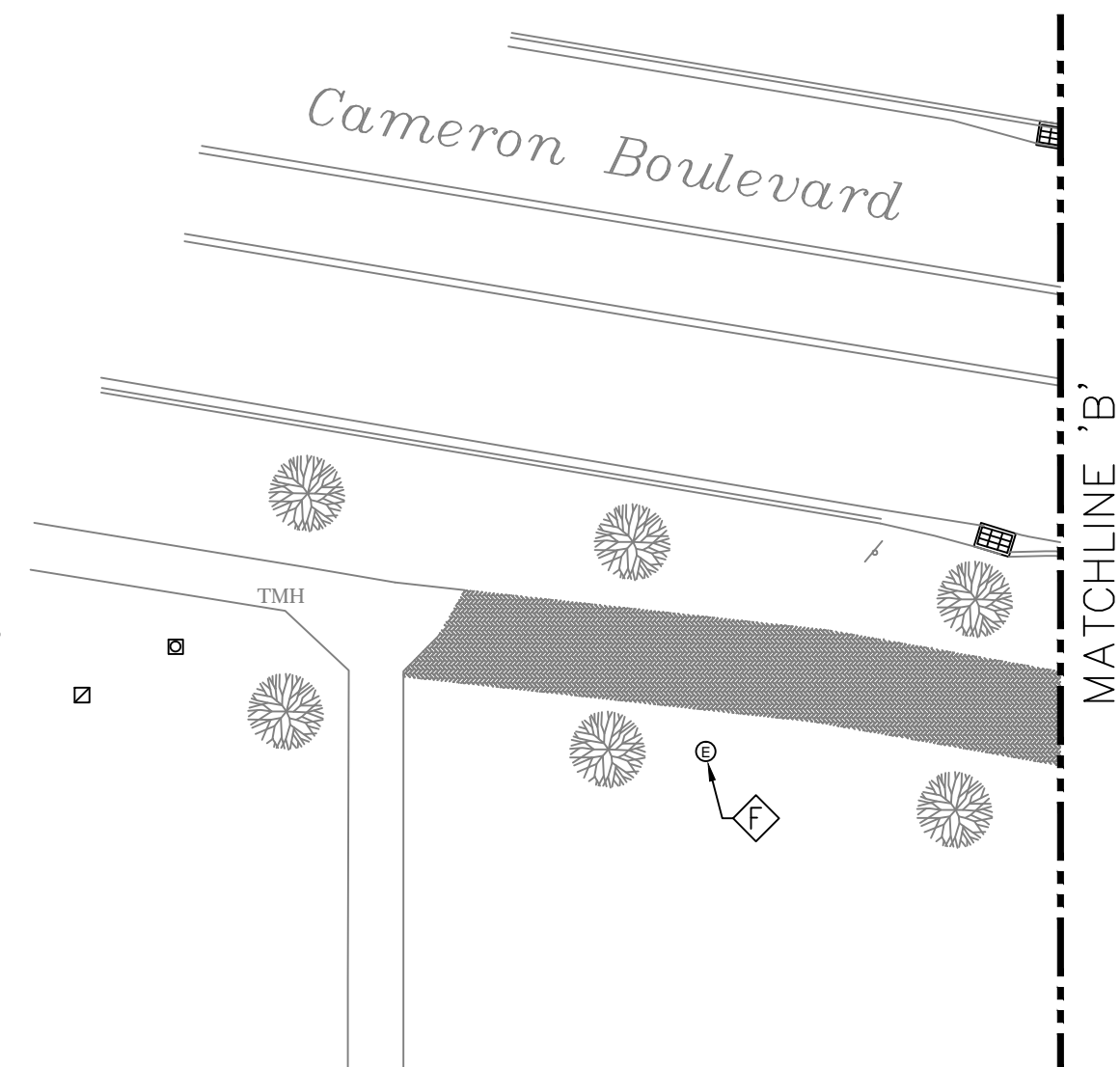
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C-703
(BID ALTERNATE #6C)

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1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING
APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE
LOCATED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING
FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
3. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS
PART 1926 SUBPART P, OR AS AMENDED.
4. CONTRACTOR SHALL COORDINATE ALL LOCATES WITH THE UNC-
CHARLOTTE CONSTRUCTION MANAGE WITH A MINIMUM OF 96 HOURS
PRIOR TO CONSTRUCTION.

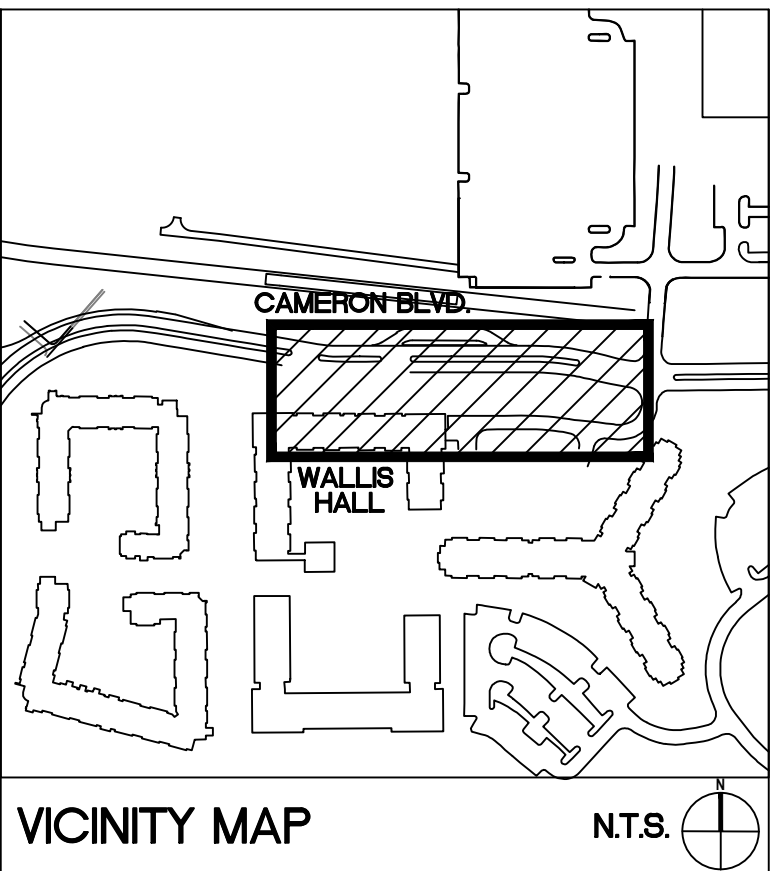


GENERAL NOTES:

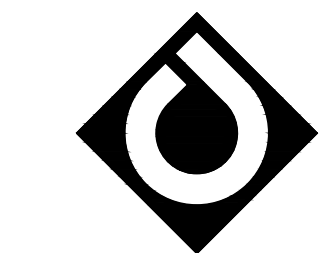
1. ALL ELECTRICAL LINES SERVING NEW PEDESTRIAN AND TRAFFIC CONTROLS SHALL BE LOCATED UNDERGROUND.
2. PROVIDE TRAFFIC RATED HAND HOLES AS NECESSARY FOR ROUTING CONDUITS UNDER GROUND AND RECONNECT EXISTING SITE LIGHTING.
3. SEE PLANTING PLAN FOR TREE LOCATIONS
4. REFER TO CIVIL PLANS FOR EXISTING POLES TO REMAIN, BE RELOCATED, OR TO BE REMOVED. PROVIDE NEW WIRING (2#10, 1#10, 1" C) TO EXTEND EXISTING CIRCUITS TO NEW LIGHT POLE LOCATIONS.
5. PROVIDE STAINLESS STEEL LOCKABLE GASKETED ENCLOSURE TO PROTECT EQUIPMENT & CONTROLS FOR EACH TRAFFIC CONTROL CABINET.
6. COORDINATE AND CONFIRM FINAL LOCATION OF LIGHTS WITH UNCC CONSTRUCTION MANAGER IN THE EVENT A PROPOSED LIGHT POLE LOCATION IS IN CONFLICT WITH AN EXISTING OR PROPOSED UTILITY.
7. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CALL NORTH CAROLINA ONE-CALL CENTER (1-800-632-4849) AND UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE AT LEAST 48 HOURS PRIOR TO UNDERGROUND WORK TO HAVE EXISTING UTILITIES LOCATED. REPORT ANY DISCREPANCIES TO THE ENGINEER.
8. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTRACT WITH PRIVATE UTILITY LOCATOR TO HAVE ALL EXISTING UTILITIES LOCATED.
9. ALL EXISTING UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. CONTRACTOR IS FULLY RESPONSIBLE TO FIELD VERIFY ACTUAL LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
10. THE CONTRACTOR SHALL ENSURE THAT ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AND STANDARDS ARE FOLLOWED DURING ALL PHASES OF THE CONSTRUCTION PROJECT. SHEETING OR BRACING SHALL BE USED WHENEVER NECESSARY TO PREVENT FAILURE OF THE TRENCH BANKS. ALL SHEETING SHALL CONFORM TO AASHTO AND OSHA SAFETY STANDARDS.
11. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE SIGNS, BARRICADES, WARNING LIGHTS, GUARD RAILS, AND EMPLOY FLAGGERS AS NECESSARY WHEN CONSTRUCTION ENDANGERS EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THESE DEVICES SHALL REMAIN IN PLACE UNTIL THE TRAFFIC MAY PROCEED NORMALLY AGAIN.
12. CONSTRUCTION WORK ZONE SIGNS AND SIGNING PROCEDURES SHALL CONFORM TO THE MUTCD AND SUPPLEMENTS AND TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
13. SEE SHEET C-900 FOR LOCATION OF PEDESTRIAN SIGNAL POLES.
14. ADJUST ALL EXISTING ELECTRICAL HAND HOLES VERTICALLY AND HORIZONTALLY AS REQUIRED TO AVOID NEW CONDITIONS, FLUSH WITH SURROUNDING SURFACES AND COORDINATE WITH CIVIL DRAWINGS AND OWNER FINAL LOCATIONS.

KEY NOTES

- Ⓐ NEW 12" X 12" HAND HOLE FOR SITE LIGHTING CIRCUITS PROVIDE NEW 2#10, 1#10G, 1" C TO RECONNECT EXISTING CIRCUIT.
- Ⓑ LOCATION FOR RELOCATED EXISTING SITE LIGHTING POLE. SEE DETAIL FOR PAVEMENT MOUNTING. PROVIDE NEW POLE BASE. EXTEND CONDUIT AND RECONNECT TO EXISTING SITE LIGHTING CIRCUIT WITH 2#12, 1#12G, 1" C.
- Ⓒ NEW SIGNAL LIGHT AND POLE, DECORATIVE TO MATCH PEDESTRIAN LIGHTING POLES. SEE SHEET C-900 & C-901, SEE DETAIL 12/E-102, COORDINATE FINAL STYLE, HEIGHT, FINISH, LOCATION, ETC. WITH C.M.
- Ⓓ PROVIDE CONDUIT SLEEVES TO ENCLOSE EXISTING EXPOSED WIRING INTO ENCLOSURES
- Ⓔ PROVIDE NEW 24"x24"x18" D HAND HOLE FOR POWER DISTRIBUTION
- Ⓕ PROVIDE UL LISTED LED RETROFIT KIT FROM ORIGINAL EQUIPMENT MANUFACTURER
- Ⓖ EXISTING SITE STREET LIGHT TO REMAIN.
- Ⓗ PROVIDE (4) 20A-120V NEMA 5-20R GFCI RECEPTACLES FOR TRAFFIC CONTROL SYSTEM.
- Ⓙ PROVIDE NEW STAINLESS STEEL PANELBOARD ENCLOSURE, ON 60"x36" CONCRETE PAD, SEE DETAIL.
- Ⓛ EXISTING BLUE LIGHT TO REMAIN UNDER BASE BID. REMOVE EXISTING BLUE LIGHT PHONE, ASSOCIATED CONDUIT, WIRE AND HAND HOLES UNDER ALTERNATE #4.
- Ⓚ LOCATION FOR NEW BLUE LIGHT PHONE AND ASSOCIATED EQUIPMENT. PROVIDE NEW 2#10, 1#10G IN 1" C TO NEW LOCATION. COORDINATE WITH UNCC I.T. STAFF FOR NEW TELECOM CABLE. PROVIDE 1/2" C TO WALLIS BLDG I.T. ROOM. PROVIDE ONE 12" X 12" HAND HOLE FOR POWER AND ONE 12" X 12" HAND HOLE FOR TELECOM.
- Ⓜ EXTEND EXISTING CIRCUIT TO NEW PEDESTRIAN LIGHT POLE LOCATION.
- Ⓜ NEW PEDESTRIAN LIGHT POLE LOCATION, PROVIDE NEW BASE, POLE AND LIGHT TO MATCH EXISTING SURROUNDING PEDESTRIAN DECORATIVE 'ANP' FIXTURES AND POLES. SEE DETAIL 6/E-102 PROVIDE UL LISTED LED KIT TO MATCH RETROFIT FIXTURES. COORDINATE WITH OWNER.
- Ⓝ EXISTING PEDESTRIAN LIGHT POLE LOCATION, PROVIDE NEW POLE AND LIGHT TO MATCH EXISTING SURROUNDING PEDESTRIAN DECORATIVE 'ANP' FIXTURES AND POLES. MOUNT TO EXISTING BASE AND CONNECT TO EXISTING CIRCUIT. PROVIDE UL LISTED LED KIT TO MATCH RETROFIT FIXTURES. COORDINATE WITH OWNER.



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TOPOGRAPHIC SURVEY ISSUE DATE NOVEMBER 7, 2016.
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CAMPUS CIRCULATION IMPROVEMENTS

SCO ID# 16-14055
CODE 41526 ITEM 310

MAIN STATION - SITE PLAN

Project No.

4496

Issued

03/08/2017 - BID SET

Revised

03.17.17 ADDENDUM #1



SCALE: 1"= 20'
0 10 20 40

E-200

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