Construction Plans

For

Columbia Hall Parking Renovation

In The City Of Columbia, Richland County, SC

Prepared For

University of South Carolina

743 Greene Street, Columbia, South Carolina 29208

Telephone: (803) 777-3128

by:

Chao & Associates, Inc.

Consulting Engineers

C & A #: 398517-14



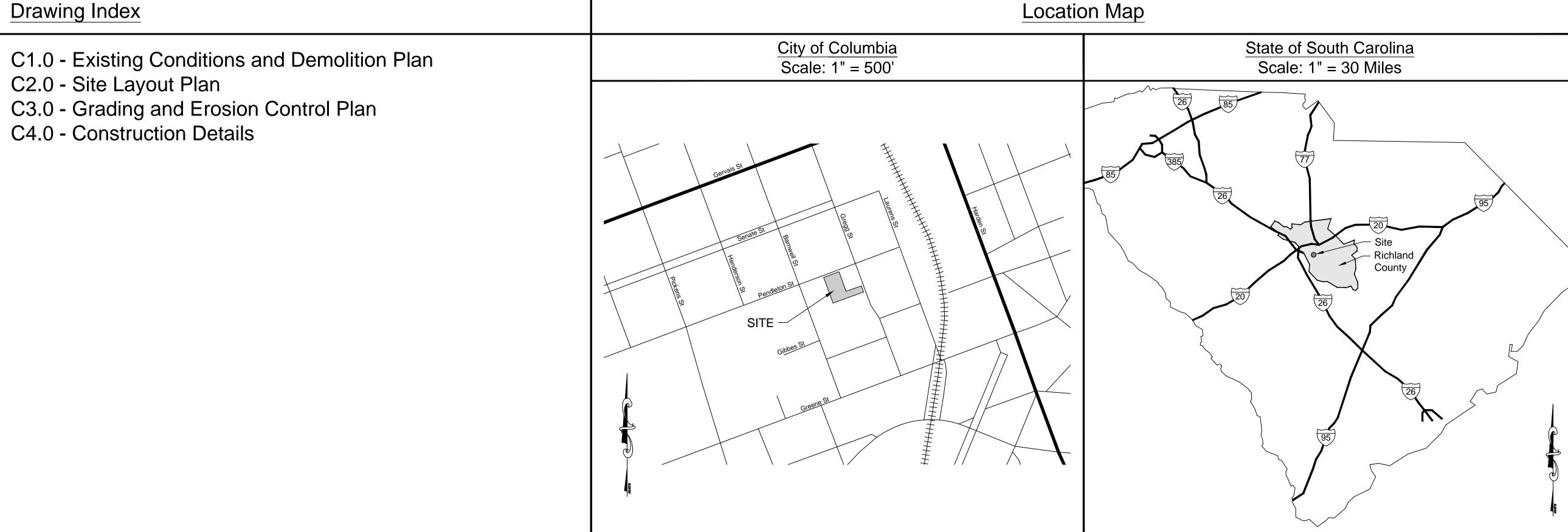
Chao & Associates, Inc.

Civil - Structural - Survey
7 Clusters Court
Columbia, SC 29210
Voice: (803) 772-8420
Fax: (803) 772-9120

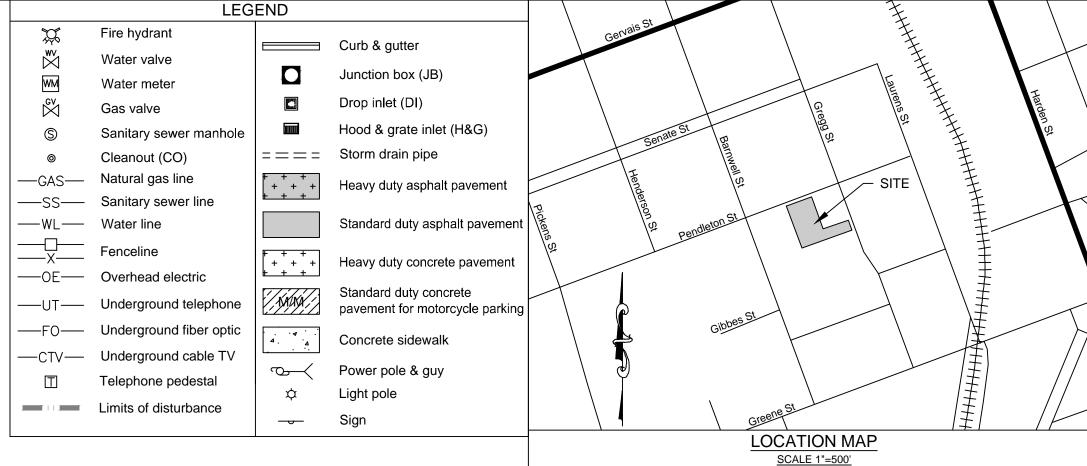
Email: consult@chaoinc.com







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Construction notes:

- 1. Contractor is cautioned that the location and/or elevation of existing utilities shown herein are based on records provided by the utility company and information obtained from the field. Contractor shall verify all existing field conditions and
- 2. Contractor is required to contact Palmetto Utility Protection Service (811) three days prior to any digging or commencing construction.
- 3. Provide silt fence and other erosion control devices, as may be required, to control soil erosion during construction. All disturbed areas shall be cleaned,
- 4. Contractor shall repair any damage caused to any existing site features to remain including, but not limited to, buildings, pavement, curb and gutter, storm drains, underground utilities, fencing, etc. in their entirety. Repairs shall be at the
- 6. If necessary, slopes which exceed four vertical feet or 4:1 slopes should be stabilized with an approved turf reinforcing mat in addition to hydroseeding. It may be necessary to install temporary slope drains during construction. Temporary berms may be needed daily until slope is brought to grade.
- 7. Contractor shall take necessary action to minimize the tracking of mud onto the paved roadway from construction areas. Contractor to daily remove mud/soil from pavement as required.
- 8. All erosion control devices shall be properly maintained during all phases of construction until the completion of all construction activities and all disturbed areas have been stabilized. Additional control devices may be required during construction in order to control erosion and/or offsite sedimentation. All temporary control devices shall be removed once construction is complete and the site is
- Contractor shall abide by all provisions of the applicable city and or county storm drainage and erosion control ordinances as well as the South Carolina Sediment Reduction Act.
- disposed of in a legal manner.
- 11. All construction staking shall be provided at the contractor's expense.

- utilities prior to beginning work.
- graded and stabilized with grassing immediately after completion of construction
- contractor's expense.
- 5. Sod shall be installed in all areas disturbed by construction that are not intended to be covered by impervious material, unless otherwise indicated.

- stabilized to the satisfaction of Lexington County.
- 10. All excavation is unclassified. Excess material is to be removed from the site and

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ASSOCIATES

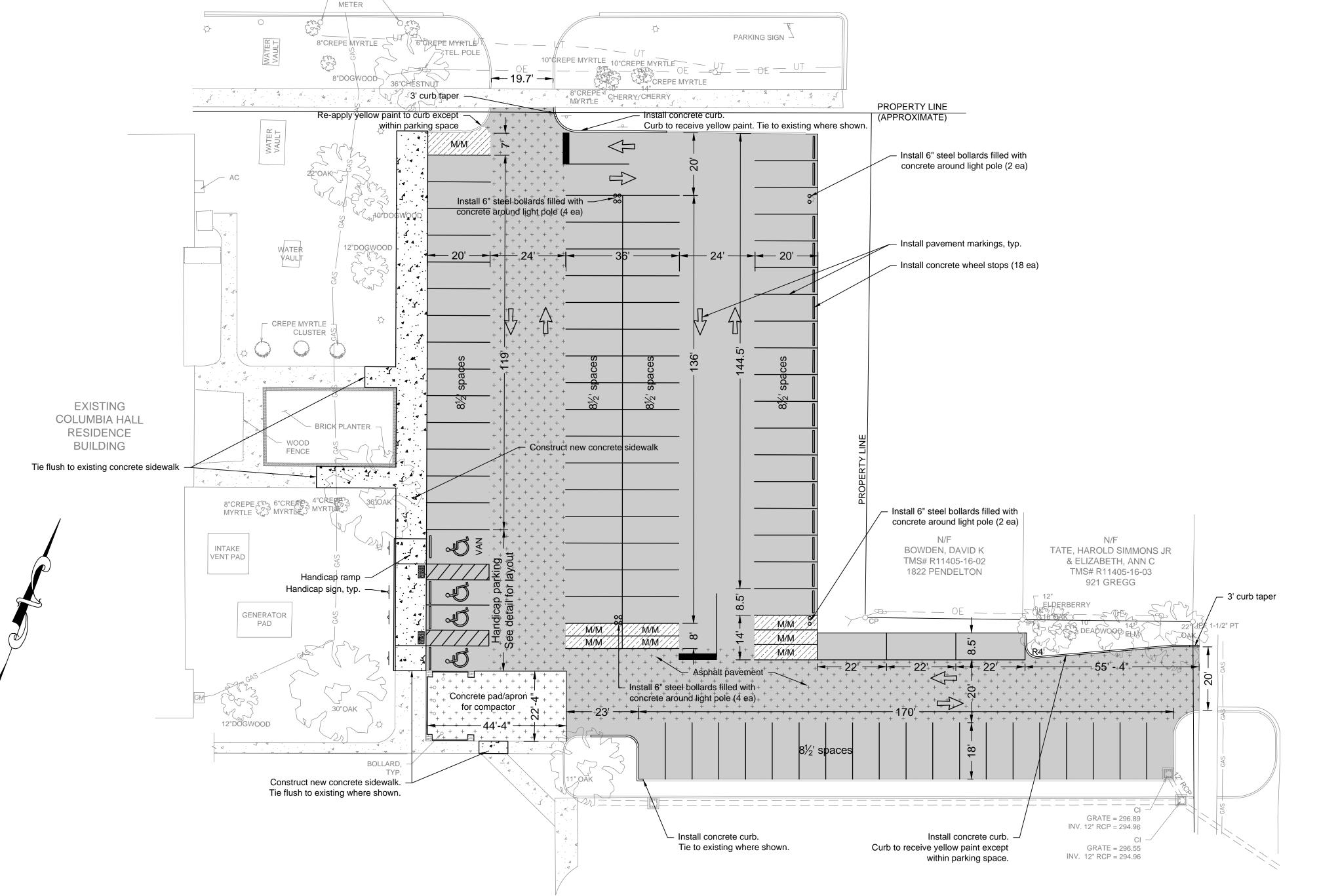
\% No. C00357

of South Carolina South Carolina

Sheet Number February 12, 2015

PENDLETON STREET (CITY OF COLUMBIA - 100' R/W)

- PARKING



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- Contractor shall abide by all provisions of the applicable city and or county storm drainage and erosion control ordinances as well as the South Carolina Sediment Reduction Act.
- 10. All excavation is unclassified. Excess material is to be removed from the site and disposed of in a legal manner.
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Project Summary

Existing Parking: Proposed Parking: 93 Automobile 91 Automobile 0 Motorcycle 8 Motorcycle

Tax map reference: Richland County, TMS No. R11405-16-01 Current zoning: C1 (Office and Institutional District - City of Columbia)

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of South Carolin South Carolina

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Chao

ASSOCIATES

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Site Layor Columbia Prepared I University Columbia,

Sheet Number February 12, 2015 Date

3 DAYS BEFORE DIGGING IN **SOUTH CAROLINA**

Palmetto Utility Protection Service

1. Topographic information furnished by Chao and Associates, Inc.

2. Benchmark is based on mean sea level datum. 3. Proposed contours & proposed spot elevations represent finished grade.

All pavement dimensions are referenced to the face of curb, where applicable.

5. All pavement markings within City of Columbia ROW shall be installed in accordance with City of Columbia specifications.

GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

LEGEND X Fire hydrant Curb & gutter Water valve Junction box (JB) Water meter Drop inlet (DI) Gas valve Hood & grate inlet (H&G) Sanitary sewer manhole = = = Storm drain pipe Cleanout (CO) —GAS— Natural gas line - SITE Heavy duty asphalt pavement —SS— Sanitary sewer line ─WL── Water line Standard duty asphalt pavement _____X___ Fenceline + + + + + + Heavy duty concrete pavement —OE— Overhead electric NAINA Standard duty concrete —UT— Underground telephone pavement for motorcycle parking —FO— Underground fiber optic Concrete sidewalk —CTV — Underground cable TV Power pole & guy Telephone pedestal Light pole Limits of disturbance Sign ---- LOCATION MAP SCALE 1"=500'

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- 5. Sod shall be installed in all areas disturbed by construction that are not intended
- 6. If necessary, slopes which exceed four vertical feet or 4:1 slopes should be stabilized with an approved turf reinforcing mat in addition to hydroseeding. It may be necessary to install temporary slope drains during construction. Temporary berms may be needed daily until slope is brought to grade.
- paved roadway from construction areas. Contractor to daily remove mud/soil from pavement as required.
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Flood Certification

I hereby certify that I have consulted the National Flood Insurance Program, "Flood Insurance Rate Map", map number 45079C0094 H, panel number 94 of 275, effective date: February 20, 2002. I have determined that the above site lies within an unshaded zone "X".

SC Reg. Professional Engineer #29169

Area of disturbance: 0.7 acres

- utilities prior to beginning work.
- 2. Contractor is required to contact Palmetto Utility Protection Service (811) three days prior to any digging or commencing construction.
- graded and stabilized with grassing immediately after completion of construction
- contractor's expense.
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Gerald A. Lee, P.E.

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA All pavement dimensions are referenced to the face of curb, where applicable.

Palmetto Utility Protection Service

1. Topographic information furnished by Chao and Associates, Inc.

VENT PAD

GENERATOR

BOLLARD,

Tie flush to existing grade

2. Benchmark is based on mean sea level datum. 3. Proposed contours & proposed spot elevations represent finished grade.

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GRAPHIC SCALE (IN FEET) 1 inch = 20 ft.

Tie flush to existing grade

MYRTLE CHERRY/CHERRY

306.90

305.12

303.30

303.70

304 9 303 57

PARKING SIGN -

PROPERTY LINE

(APPROXIMATE)

N/F

BOWDEN, DAVID K

TMS# R11405-16-02

1822 PENDELTON

TATE, HAROLD SIMMONS JR

& ELIZABETH, ANN C

TMS# R11405-16-03

921 GREGG

GRATE = 296.89 INV. 12" RCP = 294.96

GRATE = 296.55 INV. 12" RCP = 294.96

existing grade

Install weighted sediment tube

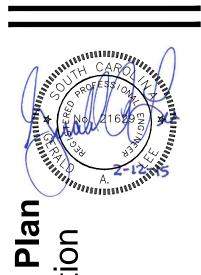
around inlet and drop inlet protection under grate



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Chao

ASSOCIATES No. C00357



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University
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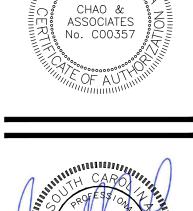
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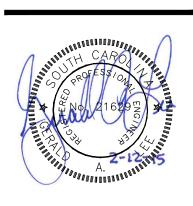
Sheet Number February 12, 2015 Date

AND ASSOCIATES INC.
CONSULTING ENGINEERS
& LAND SURVEYORS

- Structural - Survey
- Structural - Survey
7 Clusters Court
Mumbia, SC 29210
ce: (803) 772-8420

Civil - 7
Colt Colt Fax Fax





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A Hall Parking Renovation
For:

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y, South Carolina

Columbia Hall Parking Prepared For:
University of South Columbia C

Drawn: JDS Checked: GAL
Revised:
File: 398517C.dwg Project No.: 398517

C4.0 Sheet Number February 12, 2015

Date