



**COLUMBIA CITY COUNCIL MEETING AGENDA
TUESDAY, JUNE 13, 2017**

The City Council will conduct a Meeting and Budget Public Hearing at 6:00 p.m. on Tuesday, June 13, 2017 at City Hall, Council Chambers, 1737 Main Street, 3rd Floor, Columbia, SC 29201.

The Honorable Mayor Stephen K. Benjamin
The Honorable Sam Davis, District I ■ The Honorable Tameika Isaac Devine, At-Large
The Honorable Howard E. Duvall, Jr., At-Large ■ The Honorable Edward H. McDowell, Jr., District II
The Honorable Daniel J. Rickenmann, District IV

Prior to entering the meeting please turn all electronic communication devices to the silent, vibrate or off position. All presenters are asked to speak directly into the microphone for recording purposes.

CALL TO ORDER

INVOCATION

PLEDGE OF ALLEGIANCE

ADOPTION OF THE AGENDA

PUBLIC INPUT RELATED TO AGENDA ITEMS

APPROVAL OF MINUTES

1. April 4, 2017 Meeting Minutes

CONSENT AGENDA 2 THROUGH 10

2. Council is asked to approve Change Order #4 for Project SS6966 (17); Annual Pipe Rehabilitation Services, as requested by the Engineering Department. Award to Inland Pipe Rehabilitation in the amount of \$1,468,218.00. This firm is located in Conyers, GA.

Funding Source:Sanitary Sewer Improvement Fund, 5529999-658650-SS6966(17). This is a Mentor Protege Program Project and the Protégé will provide excavation and point repair services at 20% of the change order amount.

3. Council is asked to approve Change Order One for the Purchase of Magnesium Hydroxide, as requested by the Wastewater Treatment Plant. Award to Premier Magnesia in the amount of \$133,188.00. This firm is located in Conshohocken, PA.



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Funding Source: Utilities Metro Wastewater Plant-Chemicals; 516208-624800. The original budgeted amount is \$133,188.00.

4. Ordinance No.: 2017-008 - Authorizing the Granting of Property Tax Credits to Smoky Properties, LLC for Richland County TMS #08911-05-11 pursuant to the South Carolina Abandoned Buildings Revitalization Act, Title 12, Chapter 67 of the Code of Laws of South Carolina, 1976, as amended

First reading approval was given on May 16, 2017.

5. Ordinance No.: 2017-042 - Authorizing the City Manager to execute an Agreement for Sale, deed and any other documents necessary to consummate the transfer of approximately 0.38 acres (16,553 SF) known as 611 Blanding Street and 615 Blanding Street, Richland County TMS #09010-11-17 and TMS #09010-11-16 to Matt Varner

First reading approval was given on May 16, 2017.

6. Annexation, Comprehensive Plan Map Amendment and Zoning Map Amendment - 1115 Shop Road; TMS# 11210-01-01

Ordinance No.: 2017-034 - Annexing and Incorporating 1115 Shop Road, Richland County TMS #11210-01-01 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District:3

Proposal: Request to annex, assign land use classification of Employment Campus (EC) and assign zoning of Light Industrial District (M-1).The property is currently classified as Mixed Residential (High Density) by Richland County and zoned as M-1 by Richland County.

Applicant:1115 & 1087 Shop Rd, LLC / Reign Living, LLC

Staff Recommendation:Approval

PC Recommendation: 03/06/2017; Cancelled; 03/20/2017; Approval (6-0)

7. Comprehensive Plan Future Land Use Map Amendment - 30 National Guard Road; TMS# 11100-01-04

Ordinance No.: 2017-036 - Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map for 30 National Guard Road, Richland County TMS #11100-01-04

City Council District:3



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Proposal: Request to amend Chapter 8.3 of The Columbia Plan 2018 – Future Land Use Map to modify the land use classification from EC to SD-1.

Applicant: City of Columbia Planning & Development Services

Staff Recommendation: Approval

PC Recommendation: 03/06/2017; Cancelled 03/20/2017; Approval (6-0)

8. Comprehensive Plan Future Land Use Map Amendment - 6825 Pennington Road, 843 Pepper Street and 851 Pepper Street; TMS# 16407-07-02, 16407-07-05 and 16407-07-04

Ordinance No.: 2017-035 - Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map for 6825 Pennington Road, 843 Pepper Street and 851 Pepper Street, Richland County TMS #16407-07-02, 16407-07-05 and 16407-07-04

City Council District: 4

Proposal: Request to amend Chapter 8.3 of The Columbia Plan 2018 – Future Land Use Map to modify the land use classification from AC-2 to IND.

Applicant: City of Columbia Planning & Development Services

Staff Recommendation: Approval

PC Recommendation: 03/06/2017; Cancelled; 03/20/2017; Approval (6-0)

9. Zoning Map Amendment - Willow Street S-40-506 (formerly Pine Street); South of TMS# 11601-25-01

Council District: 2

Proposal: Request to rezone the parcel from RG-1A to RG-2

Applicant: Gilbert Walker, Columbia Housing Authority

Staff Recommendation: Approval

PC Recommendation: 04/03/2017; Approval (7-0)

10. Resolution No.: R-2017-051 - Authorizing consumption of beer and wine only within Boyd Plaza adjacent to the Columbia Museum of Art for the Wicked Weed Brewery Launch on Wednesday, June 14, 2017

END CONSENT AGENDA



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ZONING MATTERS - SECOND READING

11. Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment - ±2.49 acres proposed for Woodcreek Farms Road, a/k/a: 10750 Two Notch Road and E/S Old National Highway (p), E/S Old National Highway, and 168 Riding Grove Road(p), TMS# 28900-01-11 (p), 28900-01-14, and 28900-01-10 (p)

Ordinance No.: 2017-037 - Annexing and Incorporating 2.49 acres proposed for Woodcreek Farms Road, a/k/a: 10750 Two Notch Road and E/S Old National Highway (p), E/S Old National Highway, and 168 Riding Grove Road(p), Richland County TMS#28900-01-11 (p), 28900-01-14, and 28900-01-10 (p) into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District:4

Proposal: Request to annex, assign land use classification of Urban Edge Residential-Large Lot (UER-2), and assign zoning of PUD-R (Planned Unit Development-Residential District). The property is currently classified as Neighborhood (Medium Density) and zoned as PDD by Richland County.

Applicant: Woodcreek Development LLC f/k/a Woodcreek Development Partnership

Staff Recommendation: Approval

PC Recommendation:04/03/2017; Approval (7-0)

12. Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment - 152 Island View Circle; TMS# 28907-01-08

Ordinance No.: 2017-038 - Annexing and Incorporating 152 Island View Circle, Richland County TMS #28907-01-08, into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District:4

Proposal:Request to annex, assign land use classification of Urban Edge Residential-Large Lot (UER-2) and assign zoning of Planned Unit Development-Residential District (PUD-R). The property is currently classified as Neighborhood (Medium Density) by Richland County and zoned as PDD by Richland County.

Applicant: Executive Construction Homes, LLC

Staff Recommendation: Approval

PC Recommendation: 04/03/2017; Approval (7-0)



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13. Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment: ±347.2 acres, a/k/a 10750 Two Notch Road; TMS# 28900-01-11(p)

Ordinance No.: 2017-040 - Annexing and Incorporating 347.2 acres a/k/a 10750 Two Notch Road, Richland County TMS #28900-01-11(p), into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District:4

Proposal:Request to annex, assign land use classifications of Urban Edge Residential-Small Lot (UER-1), Urban Edge Residential-Large Lot (UER-2), and Community Activity Corridor (AC-2), and assign zoning of Planned Unit Development-Residential District (PUD-R). The property is currently classified as Neighborhood (Medium Density) and zoned PDD by Richland County.

Applicant:Woodcreek Development, LLC

Staff Recommendation:Approval

PC Recommendation:04/03/2017; Approval (7-0)

14. Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment: 29.25 acres N/S Riding Grove Road (p); TMS# 28900-01-11(p) and 28900-01-30

Ordinance No.: 2017-039 - Annexing and Incorporating 29.25 acres N/5 Riding Grove Road, Richland County TMS # 28900-01-11 (p) and 28900-01-30 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District: 4

Proposal:Request to annex, assign land use classification of Urban Edge Residential-Small Lot (UER-1), and assign zoning of PUD-R (Planned Unit Development-Residential District). The property is currently classified as Neighborhood (Medium Density) by Richland County for both parcels and zoned PDD by Richland County for TMS# 28900-01-11 (p) and RS-MD by Richland County for TMS# 28900-01-30.

Applicant:ARBO Woodcreek LLC

Staff Recommendation:Approval

PC Recommendation: 04/03/2017; Approval (7-0)

ORDINANCES - FIRST READING

15. Ordinance No.: 2017-046 - Granting an encroachment to the University of South Carolina for the use of the right of way area of the 800 block of Sumter Street and 1300



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block of Greene Street for installation and maintenance of curbing, guttering, landscaping, paving, bicycle lanes, irrigation and a raised median, adjacent to the School of Journalism at 800 Sumter Street and Preston College at 1323 Greene Street, Richland County TMS #11304-05-01 and 11303-05-01A

16. Ordinance No.: 2017-047 - Amending Ordinance No.: 2015-016 Granting an encroachment to the University of South Carolina for the use of the right of way areas of the 600 and 700 blocks of Park Street, 900 block of Greene Street, 600 and 700 blocks of Lincoln Street, 900 block of Blossom Street, 900 block of Devine Street for installation and maintenance of sidewalks, curbing, guttering, landscaping and an irrigation system adjacent to the West Campus Development, Phases 1 and 1 A, Richland County TMS #08914-18-01, 08915-09-01, 08915-10-01 to incorporate the amendments to the landscaping and irrigation plan dated March 3, 2017
17. Ordinance No.: 2017-051 - Providing for the Issuance and Sale of City of not Exceeding \$1,500,000 Principal Amount, Columbia, South Carolina Special Obligation Bonds or Notes (Hospitality Fee Pledge), Series 2017, In Order To Refinance Certain Indebtedness; Authorizing The Mayor, The City Manager And The Assistant City Manager For Finance And Economic Services, Or Any Two Of Them Acting Together; To Determine Certain Matters With Respect To The Bonds Or Notes; Prescribing The Form And Details Of Such Bonds Or Notes; And Other Matters Relating Thereto

PRESENTATIONS

18. Majors Roger and Melody Coulson Day - The Honorable Mayor Stephen K. Benjamin
19. National Homeownership Month and Preserving the Dream Award Presentation - Ms. Gloria Saeed, Community Development Director

BUDGET PUBLIC HEARING - ORDINANCES FIRST READING

20. Fiscal Year 2017/2018 Budget Presentation - Ms. Melisa Caughman, Budget and Program Management Director
21. Ordinance No.: 2017-044 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article V, Water and Sewer Rates, Sec. 23-143 Water service rates and Sec. 23-149 Sewer service rates (a) and (b)



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22. Ordinance No.: 2017-049 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article VII, Stormwater Management, Sec. 23-205 Stormwater service charge rates (b)
 23. Ordinance No.: 2017-048 - To Raise Revenue and Adopt the Budget for the City of Columbia, South Carolina, for the Fiscal Year ending June 30, 2018

APPOINTMENTS

24. Council is asked to approve the appointment of fifteen (15) individuals to the Food Policy Committee.
25. Council is asked to approve the appointment of three (3) individuals to the Quiet Zone Advisory Committee.
26. Council is asked to approve the appointment of one (1) individual to the Transportation Penny Advisory Committee.

OTHER MATTERS

27. Council is asked to approve the installation of one (1) additional street light at 1800 Gary Street, as requested by the Traffic Engineering Division.

CITY COUNCIL COMMITTEE REPORTS / REFERRALS

28. Administrative Policy Committee Report for June 2, 2017 - The Honorable Edward H. McDowell, Jr.

APPEARANCE OF THE PUBLIC

ADJOURNMENT



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: April 4, 2017 Meeting Minutes

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** MN_04_04_2017_Revised_Draft (PDF)



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 4, 2017

The Columbia City Council met for a Work Session on Tuesday, April 4, 2017 at City Hall, 1737 Main Street, Columbia, South Carolina. The Honorable Mayor Stephen K. Benjamin called the meeting to order at 2:12 p.m. and the following members of Council were present: The Honorable Sam Davis, The Honorable Howard E. Duvall, Jr., The Honorable Edward H. McDowell, Jr. and The Honorable Daniel J. Rickenmann. The Honorable Tameika Isaac Devine participated remotely. The Honorable Moe Baddourah was absent. Also present were Ms. Teresa Wilson, City Manager and Ms. Erika D. Moore, City Clerk. This meeting was advertised in accordance with the Freedom of Information Act.

INVOCATION

The Honorable Edward H. McDowell, Jr. offered the Invocation.

ADOPTION OF THE AGENDA

Upon a motion made by Mr. Davis and seconded by Mr. McDowell, Council voted unanimously to adopt the agenda as presented.

FISCAL YEAR 2017/2018 BUDGET WORKSHOP

1. Water & Sewer Rate Study Follow-up - Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC

Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC noted that today's presentations are very similar to what was presented at the last meeting. He explained that the City has a water rate structure that includes monthly service charges based on meter sizes and a four-block structure. He explained that block one is for 0-300 cubic feet of water and there is no charge for this block, but you'll pay the meter base charge. Thereafter, customers will pay per 100 cubic feet of usage for blocks two, three and four. The water and wastewater rate revenues for fiscal year 2017 are \$131.7 million and are estimated to be \$133 million in 2018. Total revenues in fiscal year 2017 are estimated at \$143.2 million and \$152.9 million by the end of fiscal year 2018. The proposed 4.75% increase in 2018 will generate \$6.3 million in revenue. He continued to report that O&M is budgeted at \$87.9 million for fiscal year 2018 and that will increase by 4% annually; outstanding debt service payments are \$28 million annually; the amount of cash used annually is also taken into consideration; and the City has the West Columbia contribution over the next five years. He reviewed the history of rate adjustments and the importance of adjusting rates as needed. He



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agreed to determine what the average annual rate increase would have been from 2008 to 2017 along with the customer bill impact. He said the proposed financial plan for fiscal years 2018 to 2022 is a balanced approach that allows the City to meet its debt coverage requirements. The revenues are applied across the water and waste water systems and will allow the City to meet its operating and capital requirements. He explained that the minimum allowance of 0-300 cubic feet of water usage is given to a typical customer at one rate of \$6.60. He presented two financial plan scenarios for a \$120 million CIP, while noting that scenario two eliminates the minimum allowance over a three-year period. He estimated that this would have a \$5 million impact per 100 cubic feet. He compared the proposed revenue increases for each scenario. The effective bill impact of removing the minimum allowance is an additional \$2.65 for customers using 300 cubic feet of water per month. The typical household usage is 800 cubic feet or 5,984 gallons per month. He explained that if the rate increases aren't implemented, the City will rely more on the cash and resources it has on hand and the City will eventually deplete its reserve resources. That could impact your credit worthiness and future increases will be higher.

Ms. Teresa Wilson, City Manager cited the implementation of AMR/AMI and the completion of water quality projects as important public projects.

Mr. Joey Jaco, Engineering Director explained that the proposed CIP is \$120 million per year. There are more wastewater projects at \$80 million and the water CIP includes AMI/AMR, water quality projects and utility relocations at \$40 million.

Mr. Clint Shealy, Utility Operations Director said leveling out the rate increases over five years allows us to better project our needs and it helps customers to better prepare for the increases.

There was an in-depth discussion related to the minimum allowance, the effects of eliminating block one, and O&M.

2. Storm Water Rate Study Follow-up - Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC

Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC said the projected starting point for revenue is \$7.3 million; the total equivalent residential units (ERUs) are slightly under 90,000 for fiscal year 2017 and over 90,000 for fiscal year 2018. This converts to 32,564 storm water customers in 2017 and 32,645 in 2018. Other revenue sources for storm water start at \$81,000. The O&M cost is \$6.1 million and is forecasted to increase by 4% annually for the implementation of the capital program. There is no existing debt service, but an annual revenue bond issuance is forecasted at a 5%



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interest rate. In 2001, \$1.97 was charged per ERU and there have been a few increases over the years. He stressed the importance of implementing steady rate increases. He presented four financial plan scenarios for fiscal years 2018 through 2022.

Councilor Rickenmann inquired about the potential savings on future maintenance costs.

There was an in-depth discussion about possible cost savings on future maintenance.

Ms. Dana Higgins, City Engineer reviewed a listing of priority storm water projects.

Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC reviewed the history of storm water revenue adjustments and the revenue increase comparisons for each scenario.

Mayor Benjamin suggested that the City seek an aggressive plan to deliver on key infrastructure projects while recognizing that a partner will have to help us deliver the infrastructure and staff will help to maintain it prospectively.

Councilor McDowell agreed with Mayor Benjamin. He said the projects need to go into areas that will benefit.

Councilor Duvall acknowledged that the storm water problems are significant. He stated that storm water fees are listed as ERUs and each house will have \$15.30 added to their water bill. He said we had trouble with a 4.2% increase last year, but we are jumping at a \$15 increase. He urged his colleagues to be careful about the people that will be paying this.

Councilor Rickenmann said we do not know the true impact, we don't have enough information; and we are trying to find the best solution for the citizens.

Councilor Davis agreed with the Mayor's suggestion on partnering with others. He questioned whether or not we have a game plan for maximizing other resources. He said certain parts of the City aren't reaching their full potential due to infrastructure issues.

Mayor Benjamin asked if there are other ways to calculate the storm water rate.

Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC explained that the core of assessing storm water rates is based on impervious areas. He noted that the system as a whole, the types of customers and the level of impervious area and contributed runoff are considered.



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Councilor Devine said we can't rely on state and federal funds. She agreed with issuing a storm water bond.

Ms. Teresa Wilson, City Manager said \$20 million would be the starting point.

3. Parking Services Overview - Ms. Elle S. Matney, Parking Administrator

Ms. Elle Matney, Parking Services Director described her first parking experience in Columbia when she received a parking ticket during her second job interview. She said the Parking Services team members are the faces of Columbia. She said staffing changes had been made and the new business liaison position will impact branding for the department. She reported that use of the Passport Parking app has been successful in Columbia and she hopes to expand that partnership. She noted that the spike in citation revenue relates to the cycle for mailing statements; 40% of the revenue comes from late fees and we are working on a delinquent collections program.

Councilor Duvall suggested using the Municipal Association's setoff debt collection program.

Ms. Elle Matney, Parking Services Director announced that in 2017, Parking Services will establish a social media presence, implement deck facility improvements, create strong strategic partnerships, implement Passport Parking education, continue to develop alternative transportation programs, evaluate parking spaces and parking trends, and propose market rate increases.

Councilor Devine said we still need options for using money at meters, because everyone may not know how to use the Passport Parking app.

Ms. Elle Matney, Parking Services Director said a mixture of parking payment methods will be implemented within a block.

Councilor Rickenmann suggested the use of mid-block parking payment centers.

Ms. Elle Matney, Parking Services Director noted in closing that Columbia's rate structure is below market rates.



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4. Fiscal Year 2017 / 2018 Proposed Budgets for Water & Sewer, Storm Water, Parking & Special Revenues - Ms. Melisa Caughman, Budget and Program Management Director

Ms. Melisa Caughman, Budget and Program Management Director said the focus of the budget and direction for departments came from the City Council Vision Statement. She explained how the reorganization of the Utilities and Engineering and General Services Departments will have budgetary impacts. She outlined many customer service initiatives for the water and sewer utility service delivery. She presented the proposed water and sewer fund at \$152.8 million, which is a 6.8% increase and includes the proposed 4.75% rate increase. She outlined the expenditures and budget categories of the water and sewer fund. The water and sewer capital improvement program is \$120 million. The storm water budget is \$7.42 million which is a 2.7% increase. There is a proposed rate increase, but the rate increase isn't included in the budget. It also includes the \$200,000 allocation Council committed to the Gills Creek Watershed Association as a grant match. Only \$1.58 million is available for the CIP without a rate increase. We want to maintain momentum in funding investments in the water, sewer and storm water utilities. The parking fund budget is \$8 million, which is a 3% reduction from the current year. She said the proposed hospitality tax budget is \$11.4 million, which is a 5.7% increase and in line with current and prior year actuals. She noted that the budget is presented at current funding levels and does not reflect any increases as requested by organizations through the application process.

Councilor Rickenmann inquired about previous discussions regarding a reserve ~~fund~~ [for the Hospitality Tax Fund].

Ms. Libby Gober, **Executive Assistant to City Council** said the reserve was 10%.

Councilor Duvall proposed that Council increase the number of organizations they fund each year. He said there are some groups that should be decided on by Council and not the committee. The groups would need to meet the same criteria.

After an in-depth discussion, Mr. Duvall agreed to send the proposal to City Manager Wilson.

Ms. Melisa Caughman, Budget and Program Management Director said there is still fund balance for Council to allocate and the committee will receive \$2.1 million. She reviewed the components of the proposed accommodations tax budget of \$2.2 million, which is a 4.3% increase. In closing, she reviewed the upcoming budget schedule.



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EXECUTIVE SESSION

Upon a motion made by Mr. Duvall and seconded by Mr Davis, Council voted unanimously to enter into Executive Session at 5:19 p.m. for the discussion of **Items 5 and 6** as outlined.

5. Receipt of legal advice related to matters covered by attorney-client privilege pursuant to §30-4-70(a)(2)
 - *Public Funds on Private Laterals*
 - *Public Purpose Doctrine*

6. Receipt of legal advice related to a pending, threatened, or potential claim pursuant to §30-4-70(a)(2)
 - *S. Lyman Munson v. City of Columbia, David Hatcher, Ronnie Hingleton and Lisa Sumpter*

COUNCIL MEETING

The Columbia City Council conducted a meeting on Tuesday, April 4, 2017 at City Hall, 1737 Main Street, Columbia, South Carolina. The Honorable Mayor Stephen K. Benjamin called the meeting to order at 6:21 p.m. and the following members of Council were present: The Honorable Sam Davis, The Honorable Howard E. Duvall, Jr. The Honorable Edward H. McDowell, Jr., and The Honorable Daniel J. Rickenmann. The Honorable Tameika Isaac Devine participated remotely. The Honorable Moe Baddourah was absent. Also present were Ms. Teresa Wilson, City Manager and Ms. Erika D. Moore, City Clerk. This meeting was advertised in accordance with the Freedom of Information Act.

INVOCATION

The Honorable Edward H. McDowell, Jr. offered the Invocation.

PLEDGE OF ALLEGIANCE

The Lower Richland High School Boys' Basketball Team led the Pledge of Allegiance.

PUBLIC INPUT RELATED TO AGENDA ITEMS

No one appeared at this time.



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CONSENT AGENDA ITEMS 7 THROUGH 27

Upon a single motion made by Mr. McDowell and seconded by Mr. Duvall, Council voted unanimously to approve the **Consent Agenda Items 7 through 27**.

7. Council is asked to approve a match funding request for the Greenway Esplanade Connector to the Riverfront Park Project, as requested by the Engineering Department. The City's match requirement is \$99,982.87. *Funding Source: General Capital Projects 403999-658650 - This grant requires a 40% match from the City. The total TAP award is \$149,974.31. The total project cost is \$249,957.18. - Approved*
8. Council is asked to approve an Agreement for Project Management Services, as requested by the Budget & Program Management Office. Award to Advanced Automation Consulting in the amount of \$68,000.00. This vendor is located in Irmo, SC. *Funding Source: Technology Replacement - Professional Services, 6218954-636600. The original budgeted amount is \$69,000.00. - Approved*
9. Council is asked to approve Project WM4406; Asphalt Road Repair at Newport Hall Lane, as requested by the Utility Operations Department. Award to North American Pipeline Management in the amount of \$150,150.00. This firm is located in Marietta, GA. *Funding Source: Engineering General Services - Paving & Asphalt Supplies Maintenance & Repair; 5511706-623500. The original budgeted amount is \$316,500.00. Brad Pace Construction, LLC a Small Business Enterprise of Lyman, SC will receive 24% (\$33,000) of the contract value for asphalt materials. - Approved*
10. Council is asked to approve Heating, Ventilation and Air Conditioning Replacement Services at the Metro Wastewater Treatment Plant, as requested by the Utility Operations Department. Award to W.O. Blackstone Co. Inc., a certified Local Business Enterprise in the amount of \$72,071.00 with a 10% contingency for an amount not to exceed \$79,278.10. This vendor is located in Columbia, SC. *Funding Source: Utilities Metro Wastewater Plant - Machinery & Equipment - Capital; 5516208-658300. The original budgeted amount is \$85,800.00. - Approved*



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11. Council is asked to ratify an Emergency Purchase Order for Heating, Ventilation and Air Conditioning Replacement at 1800 Main Street, as requested by the Support Services Division. Award to Trane, Inc. in the amount of \$61,946.64. This vendor is located in West Columbia, SC. *Funding Source: General Capital Projects – Capital Project Cost – HVAC 1800 Main Street – Capital Projects Cost; 4039999-658650/CP109102 - 658650. This purchase order was issued on March 9, 2017 to replace the HVAC system at 1800 Main Street. The original budgeted amount is \$63,000.00. - Approved*

12. Council is asked to approve Contract Amendment #1 for the Food Lion Pump Station Improvements, as requested by the Engineering Department. Award to Power Engineering Company, Inc., in the amount of \$108,989.00. This firm is located in West Columbia, SC. *Funding Source: 5529999-SS732301-658650. The original budgeted amount is \$1,000,000.00. This is a Mentor Protégé Program Project. Palmetto Consulting Engineering Group, Inc. of Columbia, SC, is the Protégé and will provide assistance with the Gravity Design, Cost Estimating, Permitting and Construction Administration Services at \$21,797.80 (20%) of the amended contract amount. The following sub consultants will provide additional assistance at \$14,580.00 (13.38%): Associated E&S of Columbia, SC will provide surveying services at \$12,750.00 (11.70%) of the amended contract amount. GS2 Engineering of Columbia, SC will provide soil boring services at \$1,830.00 (1.68%) of the amended contract amount. - Approved*

13. Council is asked to approve Contract Amendment #2 for the Sewer System Evaluation Study for Rocky Branch 01, as requested by the Engineering Department. Award to Brown and Caldwell, Inc., in the amount of \$288,360.00. This firm is located in Columbia, SC. *Funding Source: 5529999-SS728801-658650 Unforeseen & Miscellaneous Projects. This is a Mentor Protégé Program Project. 4D Engineering, located in Lexington, SC, is the Protégé and will provide assistance with sewer assessments, quality control of the data stemming from the field work, permits, site visits, and full time construction inspection services in the amount of \$142,080.80 (49.27%) of the amended contract amount. - Approved*

14. Council is asked to approve a Project for Sanitary Sewer Abandonment and Relocation along Greenlawn Drive, as requested by the Utility Operations Department. Award to Stutts and Williams, LLC, a certified Local Business Enterprise in the amount of \$171,655.00. This firm is located in Lexington, SC. *Funding Source: 5529999-SS739401-658650. The original budgeted amount is \$125,785.00. - Approved*



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15. Council is asked to approve the Purchase of a Street Sweeper for the Solid Waste Division, as requested by the Fleet Services Division. Award to Public Works Equipment and Supply, Inc., using the National Joint Power Alliance Contract in the amount of \$206,684.00. This vendor is located in Monroe, NC. *Funding Source: Solid Waste Street Sweeping - Autos, Trucks, Heavy Equipment Capital; 5534408-658500. The original budgeted amount is \$207,000.00. - Approved*
16. Ordinance No.: 2016-025 - Authorizing the City Manager to execute a Fifth Amendment to Lease between the City of Columbia and Old Boy Properties, LLC for property consisting of 100± acres in Richland County, South Carolina being a portion of the property formerly owned by Columbia Venture, LLC and Sunday School, LLC - *First reading approval was given on April 19, 2016. – Approved on second reading.*
17. Ordinance No.: 2017- 025 - Granting an encroachment to WHLR Columbia Fire House, LLC for installation and maintenance of a brick wall, patio, brick pavers, riser, handrails, landscaping and irrigation system within the right of way area of the 1000 block of Senate Street adjacent to 1001 Senate Street - *Approved on second reading.*
18. Ordinance No.: 2017-026 - Authorizing the City Manager to execute a Contract of Sale, Deed and any other documents necessary to consummate the transfer of approximately 0.06 acres (2,485 sf), property addressed as 1418 Woodrow Street, Irmo, SC 29063 and being further identified as Lexington County TMS #001920-07-010 to Woodrow Street Properties, LLC - *This is a vacant lot in the town of Irmo where a water tank used to be located. The property value was determined by an appraisal and bids were received for the property disposition; Woodrow Street Properties, LLC was the highest bidder. - Approved on second reading.*
19. Ordinance No.: 2017-027 - Granting an encroachment to Lula Drake for placement and maintenance of seven (7) tables and fourteen (14) chairs within the tree zone and sidewalk right of way areas of the 1600 block of Main Street adjacent to 1635 Main Street for use by its patrons for outdoor dining during normal business hours of 11:00 a.m. until 12:00 a.m. Monday through Saturday - *Approved on second reading.*
20. *Comprehensive Plan Future Land Use Map Amendment - 5243 Forest Drive, 5307 & 5311 Forest Drive, 5417 Forest Drive and 5425 Forest Drive; TMS #16706-03-35, 16706-03-29, 16706-03-41 and 16706-03-20 - Approved on second reading.*



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Ordinance No.: 2017-011 - Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map to include 5243 Forest Drive, 5307 Forest Drive, 5311 Forest Drive, 5417 Forest Drive and 5425 Forest Drive; Richland County TMS# 16706-03-35, 16706-03-29, 16706-03-41 and 16706-03-20 - *Approved on second reading.*

City Council District: 4

Proposal: Request to amend Chapter 8.3 of The Columbia Plan 2018 – Future Land Use Map to assign a land use classification of Urban Edge Regional Activity Center (UEAC-2).

Applicant: City of Columbia

Staff Recommendation: Approval

PC Recommendation: 01/09/2017, Approval (9-0)

21. *Annexation, Comprehensive Plan Map Amendment and Zoning Map Amendment - 821 Pepper Street, 831 Pepper Street and 835 Pepper Street & 819 Leesburg Road and 821 Leesburg Road, TMS# 16407-07-06 and 16407-08-04 - Approved on second reading.*

Ordinance No.: 2017-015 - Annexing and Incorporating 821 Pepper Street, 831 Pepper Street, 835 Pepper Street, 819 Leesburg Road and 821 Leesburg Road, Richland County TMS# 16407-07-06 and 16407-08-04 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015 - *Approved on second reading.*

Council District: 4

Proposal: Annex, assign land use classification of Industrial (IND) for TMS# 16407-07-06 and Community Activity Corridor (AC-2) for TMS# 16407-08-04, and assign zoning of M-1 for TMS# 16407-07-06 and C-3 for TMS# 16407-08-04. The property is currently classified as Neighborhood-Medium Density by Richland County for both parcels and zoned M-1 by Richland County for TMS# 16407-07-06 and LI by Richland County for TMS# 16407-08-04.

Applicant: RDS Associates, LLC

Staff Recommendation: Approval

PC Recommendation: 01/09/2017; Approval (9-0)



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING MINUTES
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22. *Annexation, Comprehensive Plan Map Amendment and Zoning Map Amendment - 24.138 acres N. of Sunbelt Boulevard also known as 115 Sunbelt Boulevard, TMS# 09409-01-03 - Approved on second reading.*

Ordinance No.: 2017-019 - Annexing and Incorporating 24.7 38 acres N. of Sunbelt Boulevard also known as 115 Sunbelt Boulevard, Richland County TMS# 09409-01-03 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015 - *Approved on second reading.*

Council District: 1

Proposal: Request to annex, assign land use classification of Industrial (IND) and assign zoning of Light Industrial District, -Flood Protective Area (M-1, -FP). The property is currently classified as Neighborhood (Medium Density) by Richland County and zoned as CC-3 by Richland County.

Applicant: Columbia United FC DBA: South Carolina United FC

Staff Recommendation: Approval

PC Recommendation: Approval, 02/06/2017 (9-0)

23. *Zoning Text Amendment - Amend §17-258 (Table of Permitted Uses) to amend and clarify off-street parking requirements for public dormitories, fraternity, and sorority houses*

Ordinance No.: 2017-002 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 17, Planning, Land Development and Zoning, Article III Zoning, Division 10, Off-Street Parking and Loading Facilities, Sec. 17-345 Reduction of parking requirements for certain uses to add (h) College or university public dormitories - *Approved on second reading.*

Proposal: Amend §17-258 (Table of Permitted Uses) to amend and clarify off-street parking requirements for public dormitories, fraternity and sorority houses.

Applicant: K. Brian Cook, Zoning Administrator, City of Columbia

Pertinent Section: Chapter 17, Article III, Division 8, Amend §17-258 (Table of Permitted Uses)

Staff Recommendation: Approval

PC Recommendation: Approval, 12/05/2016 (8-0)



**COLUMBIA CITY COUNCIL MEETING MINUTES
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24. *Zoning Text Amendment* - Amend §17-345 (Reduction of Parking Requirements for Certain Uses) To Add Subsection (H) College and University Public Dormitories

Ordinance No.: 2017-003 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 17, Planning, Land Development and Zoning Article III, Zoning, Division 8, District Descriptions, Use and Dimensional Regulations, Sec. 17-258 Table of permitted uses, SIC 8811.4 Dormitories, public, SIC 8811 .5 Fraternity and sorority houses and SIC 8811.6 Dormitories, Private (Sec. 17-321) - *Approved on second reading.*

Proposal: Amend §17-345 (Reduction of parking requirements for certain uses) to add subsection (h) College and University Public Dormitories.

Applicant: K. Brian Cook, Zoning Administrator, City of Columbia

Pertinent Section: Chapter 17, Article III, Division 10, Amend §17-345 (Reduction of parking requirements for certain uses)

Staff Recommendation: Approval

PC Recommendation: Approval, 12/05/2016 (8-0)

25. *Zoning Text Amendment* - Amend §17-55 to Modify the Definition of Public Dormitory

Ordinance No.: 2017-001 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 17, Planning & Land Development and Zoning & Article III Zoning, Division 1, Generally, Sec. 17-55 Definitions, Dormitory, public - *Approved on second reading.*

Proposal: Amend §17-55 – to modify the definition of Public Dormitory.

Applicant: K. Brian Cook, Zoning Administrator, City of Columbia

Pertinent Section: Chapter 17, Article III, Division 1, Amend §17-55 – Definitions (Public Dormitory)

Staff Recommendation: Approval

PC Recommendation: Approval, 12/05/2016 (8-0)



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING MINUTES
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26. Resolution No.: R-2017-031 - Authorizing consumption of beer and wine beverages only at the Jam Room Music Festival in the 1400 block of Main Street, the eastern half block of the 1100 block of Hampton Street adjacent to Boyd Plaza, and Boyd Plaza on October 14, 2017 - *Approved*
27. Resolution No.: R-2017-034 - Authorizing consumption of beer and wine only at the Indie Grits Sunday BBQ in the Cannon Parking Garage in the event of inclement weather on Sunday, April 23, 2017 - *Approved*

Councilor McDowell recognized Mr. Raj Aluri for organizing another successful Columbia International Festival, where 100 countries were represented and over 20,000 people attended.

ZONING MATTERS - SECOND READING

Upon a single motion made by Mr. Duvall and seconded by Mr. McDowell, Council voted unanimously to give second reading approval to **Items 28** through **34**. Mayor Benjamin abstained from voting due to a potential conflict of interest.

28. *Annexation, Comprehensive Plan Map Amendment and Zoning Map Amendment - 0.14 acres W/S Woodcreek Farms Road; TMS# 25815-01-01 - Approved on second reading.*

Ordinance No.: 2017-012 - Annexing and Incorporating 0.14 acres, W/S Woodcreek Farms Road, Richland County TMS# 25815-01-01 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015 - *Approved on second reading.*

Council District: 4

Proposal: Request to annex, assign Urban Edge Residential Large Lot (UER-2) Land Use Classification and Planned Unit Development- Residential District (PUD-R) zoning. The property is currently classified as Neighborhood – Medium Density by Richland County and zoned as PDD by Richland County.

Applicant: The Park Homeowner's Association, Inc.

Staff Recommendation: Approval

PC Recommendation: 01/09/2017; Approval (9-0)



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29. *Annexation, Comprehensive Plan Map Amendment and Zoning Map Amendment - 0.19 acres S/S Buckthorn Court; TMS# 28906-02-03 - Approved on second reading.*

Ordinance No.: 2017-013 - Annexing and Incorporating 0.19 acres S/S Buckthorn Court, Richland County TMS# 28906-02-03 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015 - *Approved on second reading.*

Council District: 4

Proposal: Request to annex, assign Urban Edge Residential Large Lot (UER-2) Land Use Classification and Planned Unit Development- Residential District (PUD-R) zoning. The property is currently classified as Neighborhood – Medium Density by Richland County and zoned as PDD by Richland County.

Applicant: Beaver Lake Limited Partnership; Woodcreek Farms Homeowners Association

Staff Recommendation: Approval

PC Recommendation: 01/09/2017; Approval (9-0)

30. *Annexation, Comprehensive Plan Map Amendment and Zoning Map Amendment - 1.07 acres Red Bay Road; TMS# 28812-03-01 - Approved on second reading.*

Ordinance No.: 2017-014 - Annexing and Incorporating 1.07 acres Redbay Road, Richland County TMS# 28812-03-01 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015 - *Approved on second reading.*

Council District: 4

Proposal: Request to annex, assign Urban Edge Residential Large Lot (UER-2) Land Use Classification and Planned Unit Development- Residential District (PUD-R) zoning. The property is currently classified as Neighborhood – Medium Density by Richland County and zoned as PDD by Richland County.

Applicant: Beaver Lake Limited Partnership; Woodcreek Farms Homeowners Association

Staff Recommendation: Approval

PC Recommendation: 01/09/2017; Approval (9-0)



**COLUMBIA CITY COUNCIL MEETING MINUTES
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31. *Zoning Map Amendment - The Park- Phase 2: 1404 Beechfern Circle; TMS# 25815-01-06 - Approved on second reading.*

Council District: 4

Proposal: Amend the Official Zoning Map of the City of Columbia to include the above property and confirm zoning of PUD-R (Planned Unit Development- Residential District)

Applicant: David G. Thompson

Staff Recommendation: Annex, Assign Interim Land Use and Interim Zoning, Approval

PC Recommendation: 04/04/16: Annex, Assign Interim Land Use and Interim Zoning, Approval (7-0)

32. *Zoning Map Amendment - The Park- Phase 2: 1407 Beechfern Circle; TMS# 25815-02-23 - Approved on second reading.*

Council District: 4

Proposal: Amend the Official Zoning Map of the City of Columbia to include the above property and confirm zoning of PUD-R (Planned Unit Development- Residential District)

Applicant: Sundiata K. Swinton

Staff Recommendation: Annex, Assign Interim Land Use and Interim Zoning, Approval

PC Recommendation: 04/04/16: Annex, Assign Interim Land Use and Interim Zoning, Approval (7-0)

33. *Comprehensive Plan Future Land Use Map Amendment - The Park- Phase 2: 1407 Beechfern Circle; TMS# 25815-02-23 - Approved on second reading.*

Ordinance No.:2017-020 - Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map to include 1407 Beechfern Circle, Richland County TMS #25815-02-23, annexed by Ordinance No.: 2016-122 enacted February 7, 2017 - Approved on second reading.

Council District: 4

Proposal: Amend Chapter 8.3 of The Columbia Plan 2018- Future Land Use Map to include the above property and confirm land use classification of Urban Edge Residential Large Lot (UER-2)

Applicant: Sundiata K. Swinton



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Staff Recommendation: Annex, Assign Interim Land Use and Interim Zoning, Approval

PC Recommendation: 04/04/16: Annex, Assign Interim Land Use and Interim Zoning, Approval (7-0)

34. *Comprehensive Plan Future Land Use Map Amendment - The Park- Phase 2: 1404 Beechfern Circle; TMS# 25815-01-06 - Approved on second reading.*

Ordinance No.: 2017-010 - Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map to include 1404 Beechfern Circle, Richland County TMS #25815-01-06, annexed by Ordinance No.: 2016-115 enacted December 20, 2016 - *Approved on second reading.*

Council District: 4

Proposal: Amend Chapter 8.3 of The Columbia Plan 2018- Future Land Use Map to include the above property and confirm land use classification of Urban Edge Residential Large Lot (UER-2)

Applicant: David G. Thompson

Staff Recommendation: Annex, Assign Interim Land Use and Interim Zoning, Approval

PC Recommendation: 04/04/16: Annex, Assign Interim Land Use and Interim Zoning, Approval (7-0)

PRESENTATIONS

35. Recognition of Dr. Willie Harriford, Civil Rights Archivist - The Honorable Mayor Stephen K. Benjamin – *This presentation was deferred.*
36. Recognition of the Lower Richland High School Boys' Basketball Team as the 4A State Champions - The Honorable Mayor Stephen K. Benjamin

Mayor Benjamin recognized the Lower Richland High School Boys Basketball Team as the 4A State Champions. He said the school is excelling in sports and they have been making smart strategic investments over the years. They are doing more to make sure that young men and women are prepared for the world. We've seen record improvements in our young men, increases in SAT scores and a reduction in suspensions and expulsions. We are very proud to recognize their athletic accomplishments today as our 4A State Champions.

Coach Caleb Gaither, Lower Richland High School thanked the members of Council for the recognition. He said they finished the season 21-4 and earned the first state championship at Lower Richland High School since 1999.



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37. National Community Development Week and National Fair Housing Month Proclamations - Ms. Gloria Saeed, Director of Community Development and Mr. Elliott Epps, Interim Executive Director of the Community Relations Council

Ms. Gloria Saeed, Community Development Department announced that the City of Columbia will celebrate its 31st Annual National Community Development Week during the week of April 17-22, 2017. She outlined the events scheduled for the week-long celebration to include a press conference on April 17, 2017; a ribbon cutting ceremony on Wednesday, April 19, 2017; and a Community Development Block Party on May 21, 2017 at 1225 Lady Street. She announced that April is also National Fair Housing Month and this marks the 49th anniversary of the passage of the Fair Housing Act, which prohibits discrimination in housing. She asked that the proclamations for Community Development Week and Fair Housing Month be presented to the Greater Columbia Community Relations Council.

Ms. Deanna Bookert, Community Relations Council said it is an honor and a privilege to work in this community.

Mayor Benjamin and the members of City Council proclaimed April 2017 as Fair Housing Month and April 17-22, 2017 as National Community Development Week in the City of Columbia.

38. "Bank On" Columbia Presentation and National Financial Literacy Month Proclamation - Mr. Ron King, Program Specialist for the Community Development Department

Mr. Ron King, Program Specialist for the Community Development Department announced that April is Financial Literacy Month. It is an effort to help residents understand their finances and to practice healthy financial habits. He reported that 10.4% of Columbia's population is unbanked and 21.1% of the population is under-banked. Financial education workshops are conducted for non-profit community partners and our banking partners sign the clients up for banking services. He reported that 52 Fresh Start Workshops were held with 1,079 participants and 62 bank accounts were opened. He presented a video of how "Bank On" workshops helped Mr. Charles Rodgers to gain financial stability and a sense of responsibility. The plan is to get more banks involved, more support from the FDIC and increase the number of accounts opened. He recognized the following "Bank On" Partners: Penny East of the FDIC, Nathaniel Barber of South State Bank, Chester Leaks of TD Bank, Stephanie Johnson of BB&T, and Brian Johnson of Operation HOPE.



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Ms. Penny East of the Federal Deposit Insurance Corporation said the FDIC was created in 1933 to maintain the public's confidence and stability in our nation's financial system by promoting safe and sound banking practices. The FDIC recognizes that trust is the foundation for creating strong relationships between banks and the under-banked and un-banked consumers. The FDIC joined forces with "Bank On" coalitions across the country to encourage the member banks to create affordable financial products.

Mayor Benjamin and the members of Council proclaimed April as National Financial Literacy Month in the City of Columbia. He thanked Councilwoman Tameika Isaac Devine for her leadership in making sure we participated in this program.

39. A Community for All Ages Proclamation - The Honorable Stephen K. Benjamin

Mayor Benjamin and the members of Council proclaimed the City of Columbia as a city committed to promoting, creating and sustaining communities for all ages.

A representative for AARP said AARP has always been about those who are aging, but it is also about families and communities. Through the livable communities project we will work to make Columbia a city for all ages.

40. 2017 South Carolina Cornbread Festival - Ms. Sabrina Odom, Executive Director of the North Columbia Business Association

Ms. Sabrina Odom, Executive Director of the North Columbia Business Association explained that the South Carolina Cornbread Festival began as an idea to promote historic businesses in North Columbia and to bring people back into the area. It gives small business owners the opportunity to share their businesses. She said it is a celebration of cornbread, eating, cooking and buying. She said the tradition of making cornbread is an art form. She announced that the City of Columbia won the 2016 Cornbread Toss between the City of Columbia and Richland County. The event will kick off on April 14, 2017 at the Warmouth and the 5th Annual Cornbread Festival will be held on April 22, 2017 at Earlewood Park.



**COLUMBIA CITY COUNCIL MEETING MINUTES
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ORDINANCES - FIRST READING

41. Ordinance No.: 2017-030 - Granting an Easement to South Carolina Electric and Gas Company (SCE&G) along a portion of City-Owned Property identified as Richland County TMS#11501-01-14 (Spirit Communications Park) and 11501-01-13 (Gregg Street, Freed Drive and Boyce Street) for the Gregg Street Lighting Project; CF#250-419 – *Approved on first reading.*

Upon a motion made by Mr. Rickenmann and seconded by Mr. Duvall, Council voted unanimously to give first reading approval to Ordinance No.: 2017-030 - Granting an Easement to South Carolina Electric and Gas Company (SCE&G) along a portion of City-Owned Property identified as Richland County TMS#11501-01-14 (Spirit Communications Park) and 11501-01-13 (Gregg Street, Freed Drive and Boyce Street) for the Gregg Street Lighting Project; CF#250-419.

RESOLUTIONS

42. Resolution No.: R-2017-036 - Release and Abandonment of a portion of existing fifteen (15') feet City of Columbia Water Easements for the University of South Carolina Football Operations Facility near Bluff Road and National Guard Road; Richland County TMS#11205-01-05 & TMS#11205-01-09A; CF#341-15, CF#178-04A & CF#328-03 - *Approved*

Upon a motion made by Mr. McDowell and seconded by Mr. Rickenmann, Council voted unanimously to approve Resolution No.: R-2017-036 - Release and Abandonment of a portion of existing fifteen (15') feet City of Columbia Water Easements for the University of South Carolina Football Operations Facility near Bluff Road and National Guard Road; Richland County TMS#11205-01-05 & TMS#11205-01-09A; CF#341-15, CF#178-04A & CF#328-03.

43. Resolution No.: R-2017-037 - Creating the City of Columbia Food Policy Committee – *Consideration of this item was deferred.*

Councilor Duvall asked who requested the resolution and why. He asked if this is one of our core functions. He inquired about the cost.



**COLUMBIA CITY COUNCIL MEETING MINUTES
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Mayor Benjamin explained that this is a comprehensive approach in partnership with other agencies to addressing food deserts and food insecurities. He introduced the concept of a food hub. We want to make sure we are becoming a slow foods city and encouraging more policies and people to grow their own produce. There is no financial commitment; this allows us to serve as the convening authority and any outlay of funding would come before this Council.

Councilor Davis said he worked with the Delta Sigma Theta Sorority on yesterday to deliver Easter food packages to elementary school students. The issue of hunger is real; it's a sleeping giant. An initiative to recognize hunger in our State is good. He said there are seniors in our City who face hunger issues, as well. He expressed support for the resolution.

Councilor McDowell said there is a ravenous creature in this City; that creature is homelessness and not having food to eat. It is regrettable when there isn't food and when a family suffers. There are other things we need to do, but now there needs to be a real emphasis on persons being hungry.

Councilor Devine said this would be a coordinated effort and the needs can be addressed in a targeted way. We may see a savings of time and effort.

Mr. John Newman of the Midlands Food Alliance said healthy food is not available and that has a direct impact on obesity, diabetes and other chronic illnesses. This issue will be addressed by a Food Policy Council.

Councilor Rickenmann said we need to narrow the focus and receive more guidance before we fund this. He inquired about the scope of the committee.

There was an in-depth discussion about the need to defer consideration of the resolution and the impact of the resolution.

Mayor Benjamin agreed to defer consideration of the Resolution to allow time to work through the language prior to the next meeting.

Ms. Diane Wiley, Belvedere Community resident said the school packs a lunch for kids to have food over the weekend. She said we no longer have a grocery store, but we have many convenience stores that sell eggs for \$3.00. This is about feeding people and babies. She urged the Council to reconsider the resolution.



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 4, 2017

A motion made by Mr. McDowell to approve Resolution No.: R-2017-037 - Creating the City of Columbia Food Policy Committee conceptually and at the appropriate time set the criteria for the City's commitment failed due to the lack of a second.

Ms. Teresa Wilson, City Manager said our staff would not make those types of recommendations. She said there are other experts that can advise us and City staff would assist those experts through their work.

44. Resolution No.: R-2017-040 Creating City of Columbia Quiet Zone Advisory Committee
- *Approved*

Mayor Benjamin explained that the intent of creating a Quiet Zone Advisory Committee is to get the trains to stop honking their horns in the middle of the night and disrupting peoples quality of life. He said there is density along Assembly Street and throughout District 3, but the issue is real across the City. He noted that it will require local, state and federal capital contributions. He recommended the appointment of Jamie Harpootlian, Kyle Rise, and Brenda Kramer. He asked his colleagues to be prepared to make appointments representing every district on April 18, 2017. The remaining vacancies will be advertised for one week.

Upon a motion made by Mr. Duvall and seconded by Mayor Benjamin, Council voted unanimously to approve Resolution No.: R-2017-040 Creating City of Columbia Quiet Zone Advisory Committee and the appointment of Jamie Harpootlian, Kyle Rise, and Brenda Kramer to the City of Columbia Quiet Zone Advisory Committee.

APPOINTMENTS

45. Council is asked to approve the re-appointment/appointment of one (1) individual to the Columbia Museum of Art Commission.

Upon a motion made by Mr. Duvall and seconded by Mr. Rickenmann, Council voted unanimously to approve the reappointment of Ms. Gayle Morrison to the Columbia Museum of Art Commission.



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46. Council is asked to approve the appointment one (1) individual to the Election Commission.

Upon a motion made by Mayor Benjamin and seconded by Mr. Duvall, Council voted unanimously to approve the appointment of Ms. Helen Munnerlyn to the Municipal Election Commission.

47. Council is asked to extend term dates for three members of the Midlands Authority for Conventions, Sports, & Tourism Board.

Upon a motion made by Mr. Davis and seconded by Mr. McDowell, Council voted unanimously to approve the extension of term dates to June 2017 for the following members of the Midlands Authority for Conventions, Sports, & Tourism Board: Dr. Simon Hudson, Mr. Chris Asouzu and Ms. Janice Marshal.

Councilor Davis reserved the right to appoint an individual in June.

48. Council is asked to approve the re-appointment of two (2) individuals to the Planning Commission.

Upon a motion made by Mr. McDowell and seconded by Mr. Rickenmann, Council voted unanimously to approve the reappointment of Mr. Earle Waites and Mr. Dale Stigamier to the Planning Commission.

OTHER MATTERS

49. Council is asked to approve the Installation of a 4-way stop at the intersection of Roosevelt Street and Beaumont Avenue, as requested by the Traffic Engineering Division. *The Police Department and the Fire Department have reviewed and approved the proposed location.*

Upon a motion made by Mayor Benjamin and seconded by Mr. McDowell, Council voted unanimously to approve the installation of a 4-way stop at the intersection of Roosevelt Street and Beaumont Avenue.



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50. Council is asked to approve the installation of an additional street light at 1615 Woodlake Drive and 1650 Kathwood Drive, as requested by the Traffic Engineering Division. *The year-to-date total expenditure is \$3,526.92.*

Upon a motion made by Mayor Benjamin and seconded by Ms. Devine, Council voted unanimously to approve the installation of an additional street light at 1615 Woodlake Drive and 1650 Kathwood Drive..

51. Hospitality Tax Funding Applications Extension of Deadline through April 15, 2017

Upon a motion made by Mr. Rickenmann and seconded by Mr. Davis, Council voted unanimously to extend the deadline for the submission of Hospitality Tax Applications for Fiscal Year 2017/2018 through April 15, 2017.

CONSIDERATION OF MATTERS DISCUSSED DURING THE WORK SESSION

No matters were considered at this time.

CITY COUNCIL COMMITTEE REPORTS / REFERRALS

No committee reports or referrals were made at this time.

APPEARANCE OF THE PUBLIC

No one appeared at this time.

Upon a motion made by Mr. Davis and seconded by Mr. McDowell, Council voted unanimously to adjourn the meeting at 7:47 p.m.

Respectfully submitted by:

Erika D. Moore, CMC
City Clerk



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to approve Change Order #4 for Project SS6966 (17); Annual Pipe Rehabilitation Services, as requested by the Engineering Department. Award to Inland Pipe Rehabilitation in the amount of \$1,468,218.00. This firm is located in Conyers, GA.

FINANCIAL IMPACT: Funding Source: Sanitary Sewer Improvement Fund, 5529999-658650-SS6966(17). This is a Mentor Protege Program Project and the Protégé will provide excavation and point repair services at 20% of the change order amount.

ORIGINAL BUDGET: This is an unforeseen need. Amount needed is \$1,468,218.00.

BUSINESS PROGRAM: Mentor Protege Program

CLEAN WATER 2020?: Yes

STRATEGIC GOALS: Provide high quality municipal services

This Change Order allows for inspection of 213,463 linear feet of gravity sewer lines in Gills Creek Sub-basins 03 and 04 with rehabilitation of all defects in the area including Cured-in-Place Pipe (CIPP), point repairs and laterals. Rehabilitation efforts will provide the City with improvements that will lower Sanitary Sewer Overflows, customer service calls, and the potential for permit violations.

ATTACHMENTS:

- **#a:** Change Order #4 IPR SS6966-17 5-09-17 (DOC)
- **#b:** CO_ Proposed Work and Cost Estimates (XLSX)
- **#c:** Extension_Letter (PDF)
- **#d:** PO_Modification (PDF)
- **#e:** Inland Pipe Rehabilitation Contract History (DOCX)
- **#f:** SS6966(16) - IPR Contract Bid Form(PDF)
- **#g:** SS6966(16) - IPR Contract Special Provisions (PDF)
- **#h:** IPR.CO4.map (PDF)



CIP# SS6966 (17)
Annual Contract Sewer Rehab
Change Order #4
April 26, 2017

Description of Change: A modification of the Contract Agreement between the City of Columbia (City) and Inland Pipe Rehabilitation (IPR) Inc. (Contractor) is requested in order to provide additional funding to complete sewer rehabilitation/repairs. Repairs include but are not limited to the following:

Point repairs and lining	\$711,760
Cured in place pipeline	\$377,025
Post CCTV Video	\$119,433
Frame & Cover replacement	\$10,000

A complete listing of proposed work with cost estimates is attached to this Change Order. Owners Contingency shall be utilized through approved change order. All other provisions of the Agreement, except as herein modified or changed, remain in full force and effect.

Reason for Change: The requested change is necessary to complete the repair/rehabilitation of gravity sewer lines in the City of Columbia's service area, minimize future SSO's and ensure regulatory compliance. Work is to be completed in the Gills Creek Basin.

Total Cost for Work = \$1,468,218.00

All other provisions of the Agreement, except as herein modified or changed, remain in full force and effect.

Funding Source:

SS7288 Unforeseen and Miscellaneous Projects	\$1,468,218.00
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Proposed Change and Basis for Payment:

Original contract price: P156822	\$3,659,971.80
Previous change orders:	\$1,244,044.74
Contract Extension for FY17: P160172	\$4,500,000.00
This change: P160172	\$1,218,218.00
Owners Contingency	\$250,000.00
Revised contract price:	\$10,872,234.54

Contractual Completion Date:

Start Date: August 23, 2016

Completion Date: November 27, 2017

Attachments: Spreadsheet with itemized costs estimates

To finish Point Repairs and Lining of Lines currently CCTVd

Segment	Material	USMH	DSMH	Breakdown of Point Repair	lining	PR Total
31	Concrete	061258MH	06125CMH	14.2)a,b,c \$3200.00, \$850.00	\$ 2,175.00	\$ 7,275.00
69	Concrete	06565MH	06566MH	No Bid Item \$11,000.00 22.7	\$ 3,400.00	\$ 19,475.00
142	Concrete	27659AMH	27658MH	14.2)a,c \$3200.00, \$2,125.00	\$ 9,500.00	\$ 5,325.00
96	Concrete	06124MH	06125MH	14.2)a,b \$3200.00, \$3,400.00	\$ 8,750.00	\$ 6,960.00
178	Concrete	06468MH	06467MH	14.2)a,b,c \$6,400.00, \$850.00	\$ 10,250.00	\$ 12,625.00
242	Concrete	06424MH	06425MH	14.2)a,b,c \$6,400.00, \$850.00	\$ 7,525.00	\$ 12,625.00
304	Concrete	28335MH	28337MH	14.2)a,c \$3200.00, \$2,125.00	\$ 11,950.00	\$ 5,325.00
508	Concrete	06883MH	06910MH	14.2)a,c \$6400.00, \$4,250.00	\$ 6,975.00	\$ 10,650.00
509	Concrete	06937MH	06972MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
510	Concrete	06938MH	06937MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,250.00	\$ 5,325.00
522	Concrete	28336MH	28338MH	14.2)a,b,c \$3200.00, \$850.00	\$ 8,750.00	\$ 7,275.00
615	Concrete	07669MH	07666MH	14.3)a,c \$9800.00, \$5,700.00	\$ 8,750.00	\$ 15,500.00
623	Concrete	29565MH	0671MH	14.3)a,c \$4900.00, \$2,850.00	\$ 8,750.00	\$ 7,750.00
665	Concrete	27465MH	27463MH	14.3)a \$4900.00	\$ 8,750.00	\$ 4,900.00
718	Concrete	08675MHA	08671MH	No Bid Item \$1,000.00	\$ 1,500.00	\$ 1,000.00
745	Concrete	08720AMH	08717MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
755	Concrete	09044MH	08723MH	No Bid Item \$11,000.00 22.7	\$ 4,925.00	\$ 19,475.00
886	Concrete	08937MH	08947MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
892	Concrete	08943MH	08946MH	14.3)a,c \$4900.00, \$2,850.00	\$ 7,425.00	\$ 7,750.00
893	Concrete	08944MH	08940MH	14.3)a,c \$4900.00, \$2,850.00	\$ 4,400.00	\$ 7,750.00
922	Concrete	07958MH	08837MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,025.00	\$ 5,325.00
934	Concrete	08978MH	08981MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
935	Clay	08048MH	08047MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,825.00	\$ 5,725.00
936	Clay	08119MH	08120MH		\$ 9,225.00	
954	Clay	07923MH	07923AMH	14.2)a,b,c \$3200.00, \$1700.00	\$ 4,425.00	\$ 9,200.00
957	Clay	07926MH	07929MH	14.3)a,b,c \$4,900.00, \$2,000.00	\$ 5,100.00	\$ 12,600.00
997	Concrete	08816MH	08835MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
1002	Concrete	08934MH	08936MH	14.2)a,b,c \$6,400.00, \$850.00	\$ 8,750.00	\$ 12,625.00
1032	Concrete	08627MH	08832MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
1039	Concrete	08991MH	08930MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,725.00
1044	Concrete	07546MH	07546AMH	14.3)a,c \$9800.00, \$5,700.00	\$ 8,750.00	\$ 15,500.00
1046	Concrete	07686MH	07685MH	14.2)a,b,c \$6400.00, \$3,400.00	\$ 3,775.00	\$ 14,100.00
1047	Concrete	07687MH	07686MH	14.2)a,c \$3200.00, \$2,125.00	\$ 7,750.00	\$ 5,725.00
1069	Clay	08752MH	08780MH	14.2)a,c \$3200.00, \$2,125.00	\$ 4,425.00	\$ 5,325.00
1073	Clay	08752DMH	08752MH	14.2)a,c \$3200.00, \$2,125.00	\$ 9,750.00	\$ 5,325.00
1103	Clay	08117MH	08125MH	14.2)a,c \$3200.00, \$2,125.00	\$ 13,750.00	\$ 5,325.00
1106	Clay	08121MH	08122MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
1107	Clay	08138MH	30524MH	14.2)a,c \$3200.00, \$2,125.00	\$ 6,200.00	\$ 5,325.00
1127	Concrete	29556MH	29556AMH	No Bid Item \$1,000.00	\$ 8,750.00	\$ 1,000.00
1134	Concrete	06807MH	06947MH	14.2)a,c \$3200.00, \$2,125.00	\$ 8,750.00	\$ 5,325.00
1147	Concrete	07000B	29561MH	14.2)a,c \$3200.00, \$2,125.00	\$ 6,800.00	\$ 5,325.00
1150	PVC	29538MH	29539MH	14.2)a,b,c \$3200.00, \$1,700.00	\$ 8,750.00	\$ 9,200.00
1151	Concrete	06636MH	06871MH	Cost Estimate		\$ 15,000.00
1152	Concrete	06636MH	06871MH	Cost Estimate		\$ 50,000.00

Column Totals \$ 323,825.00 \$ 387,935.00

Color indicates Primary area of Rehab
Color indicates Secondary area of Rehab

Point Repairs and Lining \$ 711,760.00
Lines Ready for CIPP \$ 377,025.00
Post CCTV All Lines \$ 108,889.37
Frame & Cover \$ 10,000.00
Overage on completed work \$ 10,543.86
Owners Contingency Funding \$ 250,000.00

Grand Total For Change Order: \$ 1,468,218.23

Segments Ready to Line

Segment	Material	USMH	DSMH	TOTAL
415	Concrete	06627MH	06626MH	\$ 8,850.00
415	Concrete	06627MH	06626MH	\$ 8,850.00
441	Concrete	06268MH	06769MH	\$ 1,900.00
454	Concrete	06804MH	06804MHA	\$ 2,600.00
457	Concrete	06814MH	06810MH	\$ 6,250.00
502	Concrete	06506MH	06507MH	\$ 10,050.00
503	Concrete	06566MH	06507MH	\$ 7,325.00
521	Concrete	28330MH	28332MH	\$ 3,875.00
538	Concrete	06141MH	06142MH	\$ 6,775.00
540	Concrete	06959MH	06960MH	\$ 9,350.00
565	CLAY	29546MH	06700MH	\$ 1,000.00
627	CLAY	06987MH	06988MH	\$ 2,325.00
628	CLAY	06989MH	06987MH	\$ 2,925.00
629	CLAY	06990MH	06989MH	\$ 4,150.00
630	CLAY	06991MH	06990MH	\$ 2,775.00
691	Concrete	8793MH	8790MH	\$ 2,500.00
704	Concrete	27467MH	27468MH	\$ 8,750.00
713	Concrete	08630MH	08675MH	\$ 1,200.00
751	Concrete	08884MH	08709MH	\$ 6,500.00
772	Concrete	08153MH	08154MH	\$ 3,400.00
858	Concrete	07908MH	07907MH	\$ 8,925.00
876	Concrete	08810MH	08822MH	\$ 2,500.00
886	Concrete	08937MH	08947MH	\$ 8,750.00
922	Concrete	07958MH	08837MH	\$ 8,025.00
935	Clay	08048MH	08047MH	\$ 8,825.00
954	Clay	07923MH	07923AMH	\$ 4,425.00
959	Clay	07929MH	08009MH	\$ 4,000.00
960	Clay	08009MH	07923MH	\$ 5,600.00
974	Clay	08096MH	08097MH	\$ 6,400.00
975	Clay	08097MH	08098MH	\$ 10,200.00
978	Concrete	07963MH	07964MH	\$ 4,000.00
981	Concrete	07966MH	07963MH	\$ 3,925.00
984	Concrete	07978MH	07966MH	\$ 4,950.00
993	Concrete	08135MH	07965MH	\$ 3,325.00
1007	Concrete	08953MH	08955MH	\$ 8,975.00
1015	Concrete	07902MH	07906MH	\$ 7,575.00
1031	Concrete	08624MH	08630MH	\$ 9,525.00
1034	Concrete	08839MH	08961MH	\$ 4,600.00
1039	Concrete	08991MH	08930MH	\$ 8,750.00
1047	Concrete	07687MH	07686MH	\$ 7,750.00
1069	Clay	08752MH	08780MH	\$ 4,425.00
1102	Clay	08113MH	08110MH	\$ 5,125.00
1104	Clay	08118MH	08122MH	\$ 6,950.00
1108	Clay	30518MH	30523MH	\$ 3,925.00
1110	Clay	30520MH	30520AMH	\$ 4,025.00
1111	Clay	30520AMH	30522MH	\$ 3,925.00
1112	Clay	30521MH	30518MH	\$ 7,550.00
1113	Clay	30522MH	30521MH	\$ 2,425.00
1124	Concrete	06662MH	06667MH	\$ 3,750.00
1125	Concrete	06663MH	06662MH	\$ 8,800.00
1128	Clay	29556AMH	29555MH	\$ 3,275.00
1129	Clay	08036MH	08037MH	\$ 7,700.00
1130	Clay	08038MH	08066MH	\$ 4,425.00
1131	Clay	08039MH	08038MH	\$ 11,300.00
1132	Clay	06621MH	06620MH	\$ 5,475.00
1133	Concrete	06646MH	06645MH	\$ 6,250.00
1135	Concrete	06941MH	06947MH	\$ 8,675.00
1136	Clay	7008MH	06621MH	\$ 3,750.00
1137	Concrete	07980MH	07983MH	\$ 11,250.00
1138	Concrete	07982MH	07982AMH	\$ 3,200.00
1139	Concrete	07983MH	07982MH	\$ 5,550.00
1140	Clay	08040MH	08042MH	\$ 10,175.00
1141	Clay	08041MH	08042MH	\$ 4,150.00
1049	Concrete	29535MH	06673MH	5,000
626	CLAY	06986MH	06987MH	\$ 3,575.00

\$ 377,025.00

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Patrick Maginn, General Manager
IPR Southeast LLC
5207 Brer Rabbit Road
Stone Mountain, GA 30083

Re: Contract Extension, Annual Pipe Rehabilitation Contract; SS6966

Dear Mr. Maginn,

The current awarded period for the above referenced contract was set to expire on June 30, 2017; however, compensation for services specified has not been reached. This letter is to extend the Contract for Annual Pipe Rehabilitation (SS6966) from June 30, 2017 to November 27, 2017. This Inquiry is a request for your consideration to modify the original contract terms to extend the contract expiration date at the previously contractual hourly rates. If approved, new purchase orders will be released.

Please annotate on the bottom of this letter, with your signature and date, as to whether you are interested in extending the contract for the period stated above at the original negotiated rate. All other terms and conditions will remain the same during the contract term.

Also, please sign in blue ink, scan and email a copy of this signed letter back to our office no later than 5:00 PM on Friday. In addition, please mail the *original* signed version of this letter back to me while retaining a *copy* for your files.

Looking forward to your response.

Procurement and Contracts Department
1800 Main Street, 2nd Floor Columbia, SC 29201
Phone: 803-545-3237 Fax: 803-733-8674
Email: sslizewski@columbiasc.net
www.columbiasc.net

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We Are Columbia

We, IPR Southeast LLC, agree to extend the current contract (SS6966), through November 27, 2017 at the original negotiated rate. All other terms and conditions as outlined in the Annual Pipe Rehabilitation Contract for project SS6966 are applicable, fully enforceable and will remain unchanged.

This Contract shall expire, unless terminated earlier as provided for herein, on November 27, 2017, or at such time the total compensation provided for herein is reached, whichever is earlier.

☒ Yes ☐ No
Patrick Maginnis 6/2/17 PATRICK MAGINNIS
 Signature/Date Printed Name of Signer

Comments: _____

Shannon S. Lizewski, CPPO
Procurement Manager

City Manager

APPROVED AS TO FORM

ggt
Legal Department, City of Columbia, SC

Page 1 of 8

 We Are Columbia	CITY OF COLUMBIA PURCHASING DIVISION ***For Internal Use Only PO Change/Modification Order Form	Contract Number:	
		Procurement Officer:	
		Phone:	803.545.3470
		E-Mail Address:	
		Address:	1136 Washington St., 4 th Floor Columbia, SC 29201

Routing Date: 05 / 11 / 2017

DESCRIPTION: Change Order #1, 4

Form must be completed for all requested changes/modifications greater than \$100.00.

DEPARTMENT NAME AND REQUESTOR: Wastewater Maintenance - Robert Judy

CONTRACTOR'S NAME AND ADDRESS: Inland Pipe Rehabilitation, Inc.

PURCHASE ORDER NUMBER (if applicable): P160172 CHANGE ORDER # One (1)

TYPE OF CHANGE (check all applicable boxes):

- ☒ Purchase Order Increase
☐ Purchase Order Decrease
☐ Change to Contract Scope of Work
☐ Administrative Change to Contract (such as changes in paying office, name of Agency Contract Administrator, etc.)
☐ Other Change

Brief Explanation/Justification: Change Order to cover additional expenses and contingency funding for added work to existing contract SS6888 (17).

Requested Amount of Increase/Decrease: \$1,468,218.00 Current PO amount/total: \$4,500,000

Accounting Information on Original PO: ORG 5529999 OBJ 658650 (Required)

Funding/Account Info for Change Order: ORG 5529999 OBJ 658650 (Required)

List any special instructions if transfers are needed from another account for this Change Order (Include ORG/OBJ codes):

Increase line item #1 by 1,218,218.00 and create line item #2 in the amount of \$250,000.00

Note: The appropriate Account Verifiers for each Department must review all change orders prior to routing for approvals.

Division/Department (\$100.01 - \$5,000):
 Recommended for Approval: [Signature] Superintendent
 (Signature) (Title)

Assistant City Manager Approval (\$5,000.01-25,000):

Recommended for Approval: _____
 (Signature) (Date)

**Route this form to the Procurement & Contracts Department

Director of Procurement & Contracts Approval: City Manager Approval Needed: Yes or No

Recommended for Approval: _____
 (Signature) (Date)

City Manager Approval:

Recommended for Approval: _____
 (Signature) (Date)

All change orders over \$50,000.01 must be approved by City Council Date approved City Council _____

A copy of the final City Council minutes must be maintained with the purchasing file.

This agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement, and shall become a binding agreement when one or more counterparts have been signed by and delivered to each of the parties. Each delivery may occur by facsimile or email/pdf and any counterparts exchanged in this manner shall be considered originals.

INTERNAL PO Modification / CHANGE ORDER (COC 10/27/16 Rev. 1)

APPROVED AS TO FORM

[Signature]
 Legal Department, City of Columbia, SC

Inland Pipe Rehabilitation Contract History:

Original Contract: (P156822)	\$3,659,971.80	September 10, 2015
Change Order #1:	\$1,500,000.00	February 8, 2016
Change Order #2:	(\$255,955.26)	November 7, 2016
Change Order #3/Contract Extension: (P160172) renewals)	\$4,500,000.00	June 21, 2016 (1 st of 2 approved renewals)
Change Order #4:	\$1,468,218.00	

Revised Contract Value:	\$10,872,234.54
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CITY OF COLUMBIA

Department of Utilities and Engineering

1136 Washington Street | PO Box 147 | Columbia, SC29217
Phone: 803-545-3400 Fax: 803-733-8674

NOTICE TO CONTRACTORS SEPTEMBER 10, 2015

Project: #SS6966(16) Annual Contract For Rehabilitation Of Sanitary Sewer Pipe

Sealed proposals will be received by the Mayor and City Council of the City of Columbia, South Carolina, for the above titled project. Proposals will be accepted from any Contractor qualified to bid under the South Carolina Licensing Law, until **2:00 p.m.**, local time, **October 1, 2015** at the *seventh floor Conference Room, 1136 Washington Street in Columbia, South Carolina*. The proposals of those bidders showing satisfactory evidence that they are appropriately licensed will be publicly opened by the City Engineer. The work to be done consists of, but not limited to site work and all appurtenances associated with this project as referenced in Special Provisions and as reflected on the plans.

"Contractor is to provide a copy of their Contractor's License with their bid."

The Mentor Protégé Program and the Local Business Preference Policy are applicable. It is required that contractors include the Business Implementation Plan with bid submittal.

Project Estimate Range \$3,000,000.00 - \$3,700,000.00 NO FEDERAL FUNDING INVOLVED

PROJECT BEING BID UNDER TRADITIONAL AND ELECTRONIC METHODS (See Bid Online Tutorial Guide)
"Failure to submit via BOTH methods will result in rejection of bids"

For current updates to the bidding of this project visit bidonline.columbiasc.gov/ifas7/bidonline

Deadline for Question Submittal: September 25, 2015, 12:00 p.m., via the Bid Online System

The City of Columbia reserves the right to waive technicalities, to reject any or all bids and to make such awards as, in the opinion of the City, appear to be to the best interest of the City. **FAILURE TO USE THE BID BOND FORM CONTAINED IN THE BID PROPOSAL FORMS (BID BOND, PAGE 1 & 2), WITHOUT MODIFICATION, WILL RESULT IN REJECTION OF THE BID.**

Plans, specifications and bid proposal forms are on display at the office of the Department of Utilities and Engineering, seventh floor, 1136 Washington Street, Columbia, South Carolina, 29201. **Inquires should be address to Debbie Scott, Utilities and Engineering Department, City of Columbia at (803) 545-3252.**

Copies of plans and specifications MUST be secured on or after September 14, 2015 AT the office of the Department of Utilities and Engineering, City of Columbia, P.O. Box 147, Columbia, South Carolina 29217 for a non-refundable payment of \$50.00, payable TO the City of Columbia, per set.

Additional Project Bidding Information will be provided during the **PRE-BID CONFERENCE**, which will be held on **September 22, 2015 at 2:00 P.M.**, local time, in the Seventh Floor Conference Room at 1136 Washington Street, Utilities and Engineering Department, Columbia, South Carolina 29201.

Joseph D. Jaco / (DLS)

Joseph D. Jaco, P.E., Director

Department of Utilities and Engineering

www.columbiasc.net

SS6966 (16)
 REHABILITATION SANITARY SEWER PIPE
 ANNUAL CONTRACT
 JULY 2015
 BID FOR UNIT PRICE CONTRACTS

TO THE HONORABLE MAYOR AND CITY COUNCIL:

LADIES AND GENTLEMEN:

The undersigned bidder hereby declares that the name of all persons interested in this proposal as principals appear in the blank spaces hereinafter provided for such purpose; that this proposal is in all respects fair and without collusion; that the bidder has examined the location of the proposed work, the advertisement, the instructions to bidder, the specifications, the contract, the plans and drawings herein referred to and fully understands the same and agrees and accepts the terms and conditions thereof; that it is understood that the estimated quantities are only approximate and are given for the purpose of comparing bids upon a uniform basis; and that said estimate shall in no way affect the unit prices to be paid for the work.

The undersigned bidder hereby agrees that he will furnish at his own cost and expense all of the materials, except those agreed to be furnished by the city as hereinafter set out, and all the necessary labor, tools, apparatus, machinery, equipment, transportation and all other things which may be required to fully and properly perform all the terms, covenants, provisions and agreements of the annexed contract.

The undersigned hereby agrees to do said work and furnish said materials as prescribed in the contract and specifications and according to the plans and requirements of the contract and specifications in a first class manner at the following unit prices.

All Addendum must be acknowledged as received herein:

Addendum No. <u>1</u>	Date <u>9/28/2015</u>
Addendum No. <u>1</u>	Date <u>9-29-2015</u>
Addendum No. _____	Date _____
Addendum No. _____	Date _____
Addendum No. _____	Date _____

REHABILITATION SANITARY SWER PIPE

ANNUAL CONTRACT

BID PROPOSAL

DO NOT CHANGE ANY ITEM DESCRIPTION ON THESE SHEETS UNLESS YOU ARE DIRECTED TO BY ADDENDUM. IN THE EVENT THE CONTRACTOR MAKES ANY CHANGES, THE BID WILL NOT BE READ PUBLICLY AND THE PROPOSAL WILL BE REJECTED AND NOT CONSIDERED.

Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
1.	Mobilization/Demobilization/ General Conditions	<u>1</u>	<u>LS</u>	<u>17,500.00</u>	<u>17,500.00</u>
2.	Preparation of Plans				
A.	Project Specific Health and Safety Plan (HASP)	<u>1</u>	<u>LS</u>	<u>5,000.00</u>	<u>5,000.00</u>
B.	Maintenance of Traffic Plan	<u>1</u>	<u>LS</u>	<u>5,000.00</u>	<u>5,000.00</u>
C.	Temporary Bypass Pumping Plan	<u>1</u>	<u>LS</u>	<u>5,000.00</u>	<u>5,000.00</u>
D.	Odor Control Plan for CIPP	<u>1</u>	<u>LS</u>	<u>2,500.00</u>	<u>2,500.00</u>
E.	Quality Control Plan for CIPP	<u>1</u>	<u>LS</u>	<u>2,500.00</u>	<u>2,500.00</u>
F.	Pipe Cleaning Narrative for Existing Service Lateral	<u>1</u>	<u>LS</u>	<u>1,250.00</u>	<u>1,250.00</u>
3.	Clearing and Grubbing	<u>0.25</u>	<u>AC</u>	<u>4,500.00</u>	<u>1,125.00</u>
4.	Light Cleaning Gravity Sanitary Sewer Mains				
A.	8" Diameter Sewer Main and Less	<u>80,250</u>	<u>LF</u>	<u>1.05</u>	<u>84,262.50</u>
B.	10" Diameter Sewer Main	<u>6,000</u>	<u>LF</u>	<u>1.10</u>	<u>6,600.00</u>
C.	12" Diameter Sewer Main	<u>565</u>	<u>LF</u>	<u>1.50</u>	<u>847.50</u>

July 2015
SS6966

Bid Proposal for Unit Price Contracts
Bid Proposal-2

Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
5.	Heavy Cleaning Gravity Sanitary Sewer Mains				
A.	8" Diameter Sewer Main and Less	<u>26,750</u>	<u>LF</u>	<u>1.40</u>	<u>37,450.00</u>
B.	10" Diameter Sewer Main	<u>2,000</u>	<u>LF</u>	<u>1.45</u>	<u>2,900.00</u>
C.	12" Diameter Sewer Main	<u>190</u>	<u>LF</u>	<u>1.55</u>	<u>294.50</u>
6.	Light Cleaning Sanitary Sewer Service Lateral				
A.	4" Diameter Sewer Service Lateral	<u>90</u>	<u>EA</u>	<u>60.00</u>	<u>5,400.00</u>
B.	6" Diameter Sewer Service Lateral	<u>135</u>	<u>EA</u>	<u>60.00</u>	<u>8,100.00</u>
7.	Heavy Cleaning Sanitary Sewer Service Lateral				
A.	4" Diameter Sewer Service Lateral	<u>30</u>	<u>EA</u>	<u>65.00</u>	<u>1,950.00</u>
B.	6" Diameter Sewer Service Lateral	<u>45</u>	<u>EA</u>	<u>65.00</u>	<u>2,925.00</u>
8.	Time and Material Cleaning of Gravity Sanitary Sewer Mains				
A.	8" Diameter Sewer Main and Less	<u>24</u>	<u>HR</u>	<u>195.00</u>	<u>4,680.00</u>
B.	10" Diameter Sewer Main	<u>8</u>	<u>HR</u>	<u>200.00</u>	<u>1,600.00</u>
C.	12" Diameter Sewer Main	<u>4</u>	<u>HR</u>	<u>206.00</u>	<u>824.00</u>
9.	Pre and Post Construction Internal Inspection of Gravity Sanitary Sewer Mains by CCTV Camera, Including assessments, DVDs, and reports				
A.	8" Diameter Sewer Main and Less	<u>128,400</u>	<u>LF</u>	<u>1.07</u>	<u>137,388.00</u>
B.	10" Diameter Sewer Main	<u>9,600</u>	<u>LF</u>	<u>1.10</u>	<u>10,560.00</u>
C.	12" Diameter Sewer Main	<u>900</u>	<u>LF</u>	<u>1.55</u>	<u>1,395.00</u>

July 2015
SS6966

Bid Proposal for Unit Price Contracts
Bid Proposal-3

Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
10.	Pre and Post Construction Internal Inspection of Sanitary Sewer Service Laterals by CCTV Camera, including assessments, DVDs, and reports				
A.	4" Diameter Sewer Service Lateral	<u>120</u>	<u>EA</u>	<u>215.00</u>	<u>25,800.00</u>
B.	6" Diameter Sewer Service Lateral	<u>180</u>	<u>EA</u>	<u>215.00</u>	<u>38,700.00</u>
11.	Gravity Sanitary Sewer Main CIPP Liner				
A.	8" Dia. Sanitary Sewer Main CIPP Liner (6.0 mm Thick)	<u>21,400</u>	<u>LF</u>	<u>25.00</u>	<u>535,000.00</u>
B.	10" Dia. Sanitary Sewer Main CIPP Liner (6.0 mm Thick)	<u>1,600</u>	<u>LF</u>	<u>28.00</u>	<u>44,800.00</u>
C.	12" Dia. Sanitary Sewer Main CIPP Liner (7.5 mm Thick)	<u>150</u>	<u>LF</u>	<u>45.00</u>	<u>6,750.00</u>
12.	Sewer Service Lateral CIPP Lining (Brim Seal), various lengths and diameters				
A.	8" Dia. Sanitary Sewer Main Lateral Dia. 4" (3 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>35</u>	<u>EA</u>	<u>3,475.00</u>	<u>121,625.00</u>
	2) Lateral length > 25.0 feet	<u>450</u>	<u>LF</u>	<u>40.00</u>	<u>18,000.00</u>
B.	10" Dia. Sanitary Sewer Main Lateral Dia. 4" (3 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>15</u>	<u>EA</u>	<u>3,700.00</u>	<u>55,500.00</u>
	2) Lateral length > 25.0 feet	<u>190</u>	<u>LF</u>	<u>40.00</u>	<u>7,600.00</u>
C.	12" Dia. Sanitary Sewer Main Lateral Dia. 4" (3mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>5</u>	<u>EA</u>	<u>5,400.00</u>	<u>27,000.00</u>
	2) Lateral length > 25.0 feet	<u>75</u>	<u>LF</u>	<u>40.00</u>	<u>3,000.00</u>
D.	Terminate at Manhole Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>3</u>	<u>EA</u>	<u>3,000.00</u>	<u>9,000.00</u>
	2) Lateral length > 25.0 feet	<u>75</u>	<u>LF</u>	<u>56.00</u>	<u>4,200.00</u>

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Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
12. cont'd					
E.	8" Dia. Sanitary Sewer Main Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>55</u>	<u>EA</u>	<u>3,450.00</u>	<u>189,750.00</u>
	2) Lateral length > 25.0 feet	<u>675</u>	<u>LF</u>	<u>39.00</u>	<u>26,325.00</u>
F.	10" Dia. Sanitary Sewer Main Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>25</u>	<u>EA</u>	<u>3,700.00</u>	<u>92,500.00</u>
	2) Lateral length > 25.0 feet	<u>280</u>	<u>LF</u>	<u>40.00</u>	<u>11,200.00</u>
G.	12" Dia. Sanitary Sewer Main Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>10</u>	<u>EA</u>	<u>5,350.00</u>	<u>53,500.00</u>
	2) Lateral length > 25.0 feet	<u>115</u>	<u>LF</u>	<u>42.00</u>	<u>4,830.00</u>
H.	Terminate at Manhole Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>5</u>	<u>EA</u>	<u>3,000.00</u>	<u>15,000.00</u>
	2) Lateral length > 25.0 feet	<u>115</u>	<u>LF</u>	<u>56.00</u>	<u>6,440.00</u>
13.	Sewer Service Lateral CIPP Lining (Full Wrap), various lengths and diameters				
A.	8" Dia. Sanitary Sewer Main Lateral Dia. 4" (3 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>35</u>	<u>EA</u>	<u>3,500.00</u>	<u>122,500.00</u>
	2) Lateral length > 25.0 feet	<u>450</u>	<u>LF</u>	<u>40.00</u>	<u>18,000.00</u>
B.	10" Dia. Sanitary Sewer Main Lateral Dia. 4" (3 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>15</u>	<u>EA</u>	<u>3,600.00</u>	<u>54,000.00</u>
	2) Lateral length > 25.0 feet	<u>190</u>	<u>LF</u>	<u>40.00</u>	<u>7,600.00</u>
C.	12" Dia. Sanitary Sewer Main Lateral Dia. 4" (3mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>5</u>	<u>EA</u>	<u>5,310.00</u>	<u>26,550.00</u>
	2) Lateral length > 25.0 feet	<u>75</u>	<u>LF</u>	<u>40.00</u>	<u>3,000.00</u>
D.	Terminate at Manhole Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>3</u>	<u>EA</u>	<u>3,000.00</u>	<u>9,000.00</u>
	2) Lateral length > 25.0 feet	<u>75</u>	<u>LF</u>	<u>57.00</u>	<u>4,275.00</u>

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Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
13. cont'd					
E.	8" Dia. Sanitary Sewer Main Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>55</u>	<u>EA</u>	<u>3,450.00</u>	<u>189,750.00</u>
	2) Lateral length > 25.0 feet	<u>675</u>	<u>LF</u>	<u>39.50</u>	<u>26,662.50</u>
F.	10" Dia. Sanitary Sewer Main Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>25</u>	<u>EA</u>	<u>3,650.00</u>	<u>91,250.00</u>
	2) Lateral length > 25.0 feet	<u>280</u>	<u>LF</u>	<u>34.00</u>	<u>10,920.00</u>
G.	12" Dia. Sanitary Sewer Main Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>10</u>	<u>EA</u>	<u>5,250.00</u>	<u>52,500.00</u>
	2) Lateral length > 25.0 feet	<u>115</u>	<u>LF</u>	<u>39.12</u>	<u>4,498.80</u>
H.	Terminate at Manhole Lateral Dia. 6" (4.5 mm Thick)				
	1) Lateral length ≤ 25.0 feet	<u>5</u>	<u>EA</u>	<u>3,000.00</u>	<u>15,000.00</u>
	2) Lateral length > 25.0 feet	<u>115</u>	<u>LF</u>	<u>56.00</u>	<u>6,440.00</u>
14.	Point Repair to Gravity Sanitary Sewer Main by Open Cut, various depths				
A.	Repair to Existing 8" Diameter Gravity Sanitary Sewer Main				
	1) ≤ 8.0 feet deep (Use SDR 35 PVC)				
	a. ≤ 10.0 feet in length	<u>10</u>	<u>EA</u>	<u>2,550.00</u>	<u>25,500.00</u>
	b. >10.0 feet in length, payment for each foot over 10.0 feet, add to 1)a	<u>50</u>	<u>LF</u>	<u>140.00</u>	<u>7,000.00</u>
	c. Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to 1)a and 1)b	<u>50</u>	<u>LF</u>	<u>157.00</u>	<u>7,850.00</u>

Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
14. cont'd					
2)	> 8.0 feet and ≤ 12.0 deep (Use SDR 35 PVC)				
a.	≤ 10.0 feet in length	<u>10</u>	<u>EA</u>	<u>3,200.00</u>	<u>32,000.00</u>
b.	>10.0 feet in length, payment for each foot over 10.0 feet, add to 2)a	<u>50</u>	<u>LF</u>	<u>170.00</u>	<u>8,500.00</u>
c.	Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to 2)a and 2)b	<u>50</u>	<u>LF</u>	<u>215.00</u>	<u>10,750.00</u>
3)	> 12.0 feet deep (Use Pressure Class 350 DIP)				
a.	≤ 10.0 feet in length	<u>8</u>	<u>EA</u>	<u>4,900.00</u>	<u>39,200.00</u>
b.	>10.0 feet, payment for each foot over 10.0 feet, add to 3)a above	<u>50</u>	<u>LF</u>	<u>200.00</u>	<u>10,000.00</u>
c.	Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to 3)a and 3)b above	<u>50</u>	<u>LF</u>	<u>285.00</u>	<u>14,250.00</u>
B.	Repair to Existing 10" Diameter Gravity Sanitary Sewer Main				
1)	≤ 8.0 feet deep (Use SDR 35 PVC)				
a.	≤ 10.0 feet in length	<u>10</u>	<u>EA</u>	<u>2,735.00</u>	<u>27,350.00</u>
b.	>10.0 feet in length, payment for each foot over 10.0 feet, add to 1)a	<u>50</u>	<u>LF</u>	<u>150.90</u>	<u>7,545.00</u>
c.	Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to				

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Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
14. cont'd					
	1)a and 1)b	<u>50</u>	<u>LF</u>	<u>162.08</u>	<u>8,104.00</u>
	2) > 8.0 feet and ≤ 12.0 deep (Use SDR 35 PVC)				
	a. ≤10.0 feet in length	<u>10</u>	<u>EA</u>	<u>3,350.00</u>	<u>33,500.00</u>
	b. >10.0 feet in length, payment for each foot over 10.0 feet, add to 2)a	<u>50</u>	<u>LF</u>	<u>179.00</u>	<u>8,950.00</u>
	c. Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to 2)a and 2)b	<u>50</u>	<u>LF</u>	<u>231.00</u>	<u>11,550.00</u>
	3) >12.0 feet deep (Use Pressure Class 350 DIP)				
	a. ≤10.0 feet in length	<u>5</u>	<u>EA</u>	<u>5,200.00</u>	<u>26,000.00</u>
	b. >10.0 feet, payment for each foot over 10.0 feet, add to 3)a above	<u>50</u>	<u>LF</u>	<u>218.00</u>	<u>10,900.00</u>
	c. Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to 3)a and 3)b above	<u>50</u>	<u>LF</u>	<u>280.00</u>	<u>14,000.00</u>
	C. Repair to Existing 12" Diameter Gravity Sanitary Sewer Main				
	1) ≤ 8.0 feet deep (Use SDR 35 PVC)				
	a. ≤ 10.0 feet in length	<u>5</u>	<u>EA</u>	<u>3,200.00</u>	<u>16,000.00</u>
	b. >10.0 feet in length, payment for each foot over 10.0 feet, add to 1)a	<u>50</u>	<u>LF</u>	<u>155.00</u>	<u>7,750.00</u>
	c. Cost per foot of repair to remove excavated material				

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Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
14. cont'd					
	and backfill with flowable fill under paved roads, add to 1)a and 1)b	<u>50</u>	<u>LF</u>	<u>168.00</u>	<u>8,400.00</u>
2)	> 8.0 feet and ≤ 12.0 deep (Use SDR 35 PVC)				
a.	≤ 10.0 feet in length	<u>5</u>	<u>EA</u>	<u>4,050.00</u>	<u>20,250.00</u>
b.	>10.0 feet in length, payment for each foot over 10.0 feet, add to 2)a	<u>50</u>	<u>LF</u>	<u>218.00</u>	<u>10,900.00</u>
c.	Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to 2)a and 2)b	<u>50</u>	<u>LF</u>	<u>225.00</u>	<u>11,250.00</u>
3)	> 12.1 feet deep (Use Pressure Class 350 DIP)				
a.	≤10.0 feet in length	<u>5</u>	<u>EA</u>	<u>6,145.00</u>	<u>30,725.00</u>
b.	>10.0 feet, payment for each foot over 10.0 feet, add to 3)a above	<u>50</u>	<u>LF</u>	<u>255.00</u>	<u>12,750.00</u>
c.	Cost per foot of repair to remove excavated material and backfill with flowable fill under paved roads, add to 3)a and 3)b above	<u>50</u>	<u>LF</u>	<u>305.00</u>	<u>15,250.00</u>
15.	Point Repair to Existing 4" or 6" Sewer Service Lateral by Open Cut, various depths				
1)	≤ 8.0 feet deep (Use SDR 35 PVC Pipe)				
a.	≤ 6.0 feet in length	<u>25</u>	<u>EA</u>	<u>1,600.00</u>	<u>40,000.00</u>
b.	> 6.0 feet, payment for each foot over 6.0 feet, add to 1)a above	<u>75</u>	<u>LF</u>	<u>130.00</u>	<u>9,750.00</u>

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Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
15. cont'd					
2)	> 8.0feet and ≤ 12.0 deep (Use Pressure Class 350 DIP)				
a.	≤ 6.0 feet in length	<u>20</u>	<u>EA</u>	<u>2,150.00</u>	<u>43,000.00</u>
b.	> 6.0 feet, payment for each foot greater than 6.0 feet, add to 2)a above	<u>65</u>	<u>LF</u>	<u>160.00</u>	<u>10,400.00</u>
3)	> 12.) feet deep (Use Pressure Class 350 DIP)				
a.	≤ 6.0 feet in length	<u>10</u>	<u>EA</u>	<u>2,550.00</u>	<u>25,500.00</u>
b.	> 6.0 feet, payment for each foot over 6.0 feet, add to 3)a above	<u>30</u>	<u>LF</u>	<u>180.00</u>	<u>5,400.00</u>
16.	Service Wye for 4" or 6" Sewer Service Lateral by Open Cut, various depths				
1)	≤ 8.0 feet deep (Use SDR 35 PVC Pipe)				
a.	8" Dia. Wye, Lateral Dia. 4" or 6"	<u>50</u>	<u>EA</u>	<u>315.00</u>	<u>15,750.00</u>
b.	10" Dia. Wye, Lateral Dia. 4" or 6"	<u>20</u>	<u>EA</u>	<u>395.00</u>	<u>7,900.00</u>
c.	12" Dia. Wye, Lateral Dia. 4" or 6"	<u>15</u>	<u>EA</u>	<u>475.00</u>	<u>7,125.00</u>
2)	> 8.0 feet and ≤ 12.0 feet deep (Use SDR 350 PVC Pipe)				
a.	8" Dia. Wye, Lateral Dia. 4" or 6"	<u>20</u>	<u>EA</u>	<u>315.00</u>	<u>6,300.00</u>

Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
16. cont'd					
b.	10" Dia. Wye, Lateral Dia. 4" or 6"	<u>10</u>	<u>EA</u>	<u>400.00</u>	<u>4,000.00</u>
c.	12" Dia. Wye, Lateral Dia. 4" or 6"	<u>5</u>	<u>EA</u>	<u>475.00</u>	<u>2,375.00</u>
3)	> 12.0 feet deep (Use Pressure Class 350 DIP)				
a.	8" Dia. Wye, Lateral Dia. 4" or 6"	<u>15</u>	<u>EA</u>	<u>800.00</u>	<u>12,000.00</u>
b.	10" Dia. Wye, Lateral Dia. 4" or 6"	<u>5</u>	<u>EA</u>	<u>1,050.00</u>	<u>5,250.00</u>
c.	12" Dia. Wye, Lateral Dia. 4" or 6"	<u>5</u>	<u>EA</u>	<u>1,600.00</u>	<u>8,000.00</u>
17.	Service T-Wye for 4" or 6" Sewer Service Lateral by Open Cut, various depths				
1)	≤ 8.0 feet deep (Use SDR 35 PVC Pipe)				
a.	8" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>50</u>	<u>EA</u>	<u>315.00</u>	<u>15,750.00</u>
b.	10" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>20</u>	<u>EA</u>	<u>400.00</u>	<u>8,000.00</u>
c.	12" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>15</u>	<u>EA</u>	<u>475.00</u>	<u>7,125.00</u>
2)	> 8.0 and ≤ 12.0 feet deep (Use SDR 35 PVC Pipe)				
a.	8" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>50</u>	<u>EA</u>	<u>315.00</u>	<u>15,750.00</u>
b.	10" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>20</u>	<u>EA</u>	<u>400.00</u>	<u>8,000.00</u>
c.	12" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>15</u>	<u>EA</u>	<u>475.00</u>	<u>7,125.00</u>

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Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
17. cont'd					
3)	> 12.0 feet deep (Use Pressure Class 350 DIP)				
a.	8" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>15</u>	<u>EA</u>	<u>785.00</u>	<u>11,775.00</u>
b.	10" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>5</u>	<u>EA</u>	<u>1,050.00</u>	<u>5,250.00</u>
c.	12" Dia. T-Wye, Lateral Dia. 4" or 6"	<u>5</u>	<u>EA</u>	<u>1,565.00</u>	<u>7,825.00</u>
18.	Replacement of Existing 4" or 6" Sewer Service Lateral by Open Cut, various depths				
1)	≤ 8.0 feet deep (Use SDR 35 PVC Pipe)				
a.	≤ 25.0 feet in length	<u>55</u>	<u>EA</u>	<u>3,075.00</u>	<u>169,125.00</u>
b.	> 25.0 feet, payment for each foot over 25.0 feet, add to 1)a above	<u>705</u>	<u>LF</u>	<u>85.00</u>	<u>59,925.00</u>
2)	> 8.0 feet deep and ≤ 12.0 feet deep (Use SDR 35 PVC Pipe)				
a.	≤ 25.0 feet in length	<u>25</u>	<u>EA</u>	<u>3,550.00</u>	<u>88,750.00</u>
b.	> 25.0 feet, payment for each foot greater than 25 feet, add to 2)a above	<u>295</u>	<u>LF</u>	<u>112.00</u>	<u>33,040.00</u>
3)	> 12.0 feet deep (Use Pressure Class 350 DIP)				
a.	≤ 25.0 feet in length	<u>15</u>	<u>EA</u>	<u>4,050.00</u>	<u>60,750.00</u>
b.	> 25.0 feet, payment for each foot greater than 25 feet, add to 3)a above	<u>175</u>	<u>LF</u>	<u>150.00</u>	<u>26,250.00</u>

Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
19.	Removing and Sealing of Protruding Sewer Service Lateral Connected To Gravity Sanitary Sewer Main	<u>55</u>	<u>EA</u>	<u>165.⁰⁰</u>	<u>9,075.⁰⁰</u>
20.	Reconnect Sewer Service Lateral to Gravity Sanitary Sewer Main	<u>300</u>	<u>EA</u>	<u>115.⁰⁰</u>	<u>34,500.⁰⁰</u>
21.	Sampling and Testing of CIPP Lining in Gravity Sanitary Sewer Main with new CIPP Lining				
A.	8" Diameter Sewer Main and Less	<u>55</u>	<u>EA</u>	<u>400.⁰⁰</u>	<u>22,000.⁰⁰</u>
B.	10" Diameter Sewer Main	<u>5</u>	<u>EA</u>	<u>450.⁰⁰</u>	<u>2,250.⁰⁰</u>
C.	12" Diameter Sewer Main	<u>1</u>	<u>EA</u>	<u>450.⁰⁰</u>	<u>450.⁰⁰</u>
22.	Graded Aggregate Base Course (6" Uniform)	<u>50</u>	<u>SY</u>	<u>67.⁰⁰</u>	<u>3,350.⁰⁰</u>
23.	Asphaltic Concrete Pavement Patching [SCDOT Type "B" (5" Thick HMA intermediate course) and Type "C" (2" Thick HMA surface course)]	<u>50</u>	<u>SY</u>	<u>90.⁰⁰</u>	<u>4,500.⁰⁰</u>
24.	Full Depth Concrete Pavement Patch (8")	<u>50</u>	<u>SY</u>	<u>125.⁰⁰</u>	<u>6,250.⁰⁰</u>
25.	Restoration of Concrete Curb and Gutter				
A.	SCDOT Type 1'-6"	<u>50</u>	<u>LF</u>	<u>62.⁰⁰</u>	<u>3,100.⁰⁰</u>
B.	SCDOT Type 9" x 15"	<u>50</u>	<u>LF</u>	<u>63.⁰⁰</u>	<u>3,150.⁰⁰</u>
26.	Restoration of Concrete Median (4" Thick)	<u>50</u>	<u>SY</u>	<u>67.⁰⁰</u>	<u>3,350.⁰⁰</u>
27.	Restoration of Concrete Sidewalk (4" Uniform)	<u>50</u>	<u>SY</u>	<u>68.⁰⁰</u>	<u>3,400.⁰⁰</u>

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Pay Item No.	Description	Estimated Quantity	Unit	Unit Price(\$)	Extended Price (\$)
28.	Restoration of Driveway - Asphalt [SCDOT Type "B" (5" Thick HMA intermediate course) and Type "C" (2" Thick HMA surface course)]	<u>50</u>	<u>SY</u>	<u>115.⁰⁰</u>	<u>5,750.⁰⁰</u>
29.	Restoration of Driveway-Concrete				
A.	Residential (6" Thick)	<u>50</u>	<u>SY</u>	<u>115.⁰⁰</u>	<u>5,750.⁰⁰</u>
B.	Commercial (8" Thick)	<u>50</u>	<u>SY</u>	<u>140.⁰⁰</u>	<u>7,000.⁰⁰</u>
30.	Flowable Fill	<u>50</u>	<u>CY</u>	<u>45.⁰⁰</u>	<u>2,250.⁰⁰</u>
31.	Grassing (All Types)	<u>250</u>	<u>SF</u>	<u>5.⁶⁰</u>	<u>1,400.⁰⁰</u>
32.	Sod	<u>250</u>	<u>SF</u>	<u>12.⁰⁰</u>	<u>3,000.⁰⁰</u>
33.	Top Soil (4")	<u>20</u>	<u>CY</u>	<u>112.⁰⁰</u>	<u>2,240.⁰⁰</u>
34.	Smoke Testing	<u>5,000</u>	<u>LF</u>	<u>.77</u>	<u>3,850.⁰⁰</u>
35.	Dye Tracing				
A.	Type "1"	<u>5</u>	<u>EA</u>	<u>535.⁰⁰</u>	<u>2,675.⁰⁰</u>
B.	Type "2"	<u>5</u>	<u>EA</u>	<u>850.⁰⁰</u>	<u>4,250.⁰⁰</u>
C.	Type "3"	<u>5</u>	<u>EA</u>	<u>1,100.⁰⁰</u>	<u>5,500.⁰⁰</u>
36.	Sanitary Sewer Lateral Cleanout Assembly				
A.	Installation in unpaved area, threaded SDR 35 PVC drain flush plug fitting	<u>50</u>	<u>AS</u>	<u>565.⁰⁰</u>	<u>28,250.⁰⁰</u>
B.	Installation in paved area, threaded SDR 35 PVC drain flush plug fitting and covered by Neenah R-1976 frame and lid or approved equal	<u>50</u>	<u>AS</u>	<u>775.⁰⁰</u>	<u>38,750.⁰⁰</u>

Three Million Six Hundred FIFTY NINE THOUSAND
 *Total Base Bid/Bid Online Total: 3,659,971.80
 Dollars NINE HUNDRED SEVENTY ONE DOLLARS and Eighty CENTS

July 2015
 SS6966

Bid Proposal for Unit Price Contracts
 Bid Proposal-14

(Indicate the Total Base Bid/Bid Online Total above in both figures and words. In case of discrepancy, the amount shown in words will govern.)

Three Million Six Hundred ^{FIFTY NINE THOUSAND}
 **Total Bid Proposal Amount 3,659,971.80
 Dollars NINE HUNDRED SEVENTY ONE DOLLARS and EIGHTY CENTS

(Indicate the Sum Total of Bid Proposal Amount in both figures and words. In case of discrepancy, the amount shown in words will govern).

*Total Base Bid/Bid Online Total. The bid bond for this project should be based on the total base bid amount listed above and on the bid online system.

**Total Bid Proposal Amount. The performance and payment bonds should be based on the total bid proposal amount listed above.

The drawings and specifications are complementary of each other. What is called for one shall be as binding as if called for by all. If a conflict between any of the above is discovered by the Contractor, the problem shall be referred to the Bid Coordinator as soon as possible for resolution by the Engineer. Should a conflict occur which is not resolved before bid time and/or is necessary to comply with mandatory requirements (i.e., codes, ordinances, etc.), it shall be the Contractor's responsibility to price and bid the highest value method.

The undersigned proposes and agrees to begin the work on a date to be specified in a written order of the Owner and to complete the amount of work herein contemplated no later than June 30, 2016, and including the said date of commencement.

The bidder hereby agrees to enter into a contract to begin and complete said work according to plans, specifications and all the terms and conditions of the advertisement, instructions to bidder, and of the proposal, and within ten (10) days from the date of acceptance of this proposal, will furnish bonds and insurance.

Attached hereto is a bid bond or certified check for the sum of 5% ONE HUNDRED EIGHTY-TWO THOUSAND NINE HUNDRED NINETY EIGHT DOLLARS ^{FIFTY-NINE} ~~CENTS~~ (\$ 182,998.59) Dollars payable to the City of Columbia, which check shall be held by the City (1) until the successful bidder shall have executed, as required, the contract and bond, and (2) in the event that the contract is awarded to the undersigned and he shall fail to execute, as required, the contract and bond, then the said check shall be retained as and for liquidated damages for such failures, otherwise the said check shall be returned to the undersigned.

The undersigned hereby agrees that the City has the right to reject any or all bids and the undersigned shall not dispute the quantities used in preparing the bids.

SEAL
(if bid is by a Corporation)

Respectfully submitted,



Signature of Person, Firm or Corporation

Making Bid WENDY WILKES

Regional Corporate Controller

Title

5207 BRER RABBIT RD

STONE MOUNTAIN, GA 30083

Business Address

CITY OF COLUMBIA, SC

BID PROPOSAL FORM 1, ATTACHMENT
IFB NO.

Project: #SS6966(16) Annual Contract For Rehabilitation Of Sanitary Sewer Pipe

Bid Proposal / Mentor-Protégé Agreement

The above-referenced Invitation For Bid has been reserved for bidding by approved Mentor-Protégé Teams only. As part of the compliance with the requirements of the City of Columbia Mentor-Protégé Program Guidelines, this Bid Proposal / Mentor-Protégé Agreement is a material representation by the parties for bidding purposes. This Agreement identifies the members of the bidder's Mentor-Protégé Team that will be performing on this contract, and this Agreement shall be incorporated into the contract documents in the event this Mentor-Protégé Team is awarded a contract pursuant to the bid submitted in response to the above-reference IFB.

The Mentor and the Protégé have reached an agreement regarding the scope of work that shall be performed by each party in performance of this contract, the related costs associated with each such scope of work, and the nature of the contractual relationship that shall exist between the Mentor firm and the Protégé firm for purposes of the performance of this contract. Both parties have participated in the preparation of the bid proposal.

It is understood and agreed that for purposes of this bid and any subsequent contract award, no substitutions for either member of this Mentor-Protégé Team shall be made without good cause and without the express written prior approval of the Department of Utilities and Engineering, Compliance Division. As a condition of contract award, the parties shall submit to the Department of Utilities and Engineering, Compliance Division a copy the Implementation Plan between the parties regarding respective scopes of work to be performed and a Compensation Plan for this project. **Failure to submit this Plan in good faith shall result in the rejection of the bid as non-responsible and / or non-responsive.**

9-29-15
Date

9-29-15
Date

IPR Southeast LLC
Mentor's Company Name

[Signature]
Signature of Responsible Party

Holzner Construction
Protégé's Company Name

[Signature]
Signature of Responsible Party



NONCOLLUSION AFFIDAVIT

City of Stone Mountain

State of GA

County of DeKalb

Wendy Wilkes (Name) being first duly sworn, deposes and says that:

(1) He is Regional Corporate Controller (Position) of IPR Southeast LLC (Company Name), the Bidder that has submitted the attached Bid for SS6966(16) (Project)

(2) He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid:

(3) Such Bid is genuine and is not a collusive or sham Bid:

(4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affidavit, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Columbia, S.C. or any person interested in the proposed Contract; and

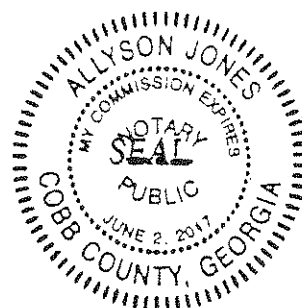
(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affidavit.

(Signed) Wendy Wilkes
Wendy Wilkes
Regional Corporate Controller
 (Title)

Subscribed and sworn to before me

this 20 day of September, 2015
Allyson Jones
 (Notary Public)

My commission expires Jun 2, 2017





IMMIGRATION REFORM BILL
STATEMENT OF EMPLOYMENT VERIFICATION ELIGIBILITY
BY GENERAL CONTRACTORS

Under the South Carolina General Assembly Immigration Reform Bill, state law requires all public employers to take steps to ensure their General Contractors comply with the law's employment verification requirements.

To meet the law's obligations, the City of Columbia is requiring that all General Contractors

- (1) comply with the verification requirements of the Immigration Reform Bill and
- (2) provide to the City of Columbia documentation needed to establish compliance or that the law does not apply to the Contractors (and any subcontractors or sub-subcontractors).

DATE: September 30, 2015

Project: #SS6966(16) Annual Contract For Rehabilitation Of Sanitary Sewer Pipe

CONTRACTOR: IPR Southeast LLC
(Company Name)

Will comply with employment verification requirements under the South Carolina General Assembly Immigration Reform Bill as referenced above.

(Signature) Wendy Wilkes

Regional Corporate Controller

(Title)



CITY OF COLUMBIA

Department of Utilities and Engineering
Compliance Division
P.O. Box 147 | Columbia, South Carolina 29217
Phone: 803-545-3049 Fax: 803-545-4130

MENTOR PROTÉGÉ PROGRAM Implementation Plan

Date: 09-28-15

Project Number: SS6966(16)

Mentor: IPR Southeast LLC

Project Name: Annual Contract for Rehabilitation

Protégé: Holzheimer Construction

Duration of the Project: 12 Months

Project Contract Amount: 3,659,971.80

Protégé Amount: 1,100,000.00

Statement of Commitment: Both Mentor and Protégé are committed to providing an adequate amount of resources and effort to execute the plan below. Mentor and Protégé acknowledge the Implementation Plan is a joint plan and agree to meet at least quarterly to verify compliance with this Plan.

1. How do the Mentor and Protégé intend to work together on the designated project?
Address contractual relationship, general roles and informal teaming arrangements.

We will work together to ensure that we meet deadlines and specification requirements.
We will communicate daily to determine crew locations, scheduling, safety and work load.

2. How will the specific, quantitative goals in the Annual Business Plan and MPP Agreement be implemented via the work on the project? *Address general goals here and specific goals in question 9.*

IPR and Holzheimer will work together to continue to grow Holzheimer's ability to manage subcontractors, schedule and meet deadlines, and grow his company economically.

3. How will the team focus on developing protégé's business and implementing the actions necessary to obtain results reflected in the Mentor-Protégé Agreement? *Identify milestones, thresholds, or other indicators team that would indicate success is being achieved.*

We will work together to implement our goal that will allow Holzheimer to become the General and we will be his subcontractor.



CITY OF COLUMBIA

Department of Utilities and Engineering
Compliance Division
P.O. Box 147 | Columbia, South Carolina 29217
Phone: 803-545-3049 Fax: 803-545-4130

7. How will the team comply with and maintain the focus on the requirements of the program for the duration of the project?

By meeting and communicating on a daily basis.

8. What are the team's specific, quantitative goals and milestones for the current project?

- Protege is able to manage capital improvement projects
- Protege increases workload
- Protege is able to become the Prime contractor on future projects

9. Outline of Regularly Scheduled meeting between Mentor and Protégé (Progress reporting).

- | | |
|------------------------|--------------------------|
| -Discuss workload | -Discuss schedule |
| -Discuss safety issues | -Discuss crew issues |
| | -Discuss traffic control |

10. Define payment schedule and financial terms identifying milestones for initial, progress and final payments.

- Protege submits invoice 25th of month
- Mentor processes invoice and informs Protege
- Check is distributed to Protege in timely fashion



CITY OF COLUMBIA

Department of Utilities and Engineering
Compliance Division
P.O. Box 147 | Columbia, South Carolina 29217
Phone: 803-545-3049 Fax: 803-545-4130

11. List the Subcontractors that will be used on this project, as well as the information requested below: (The Subcontractor(s) listed below will NOT consist of your Protégé.)

Subcontractor's Name	Telephone	Address	Who will they report to?	Contract Amount	MPP, MBE, WBE, SBE	Percentage of Contract
BLD Services	504-466-1344	2424 Tyler St. Kenner, LA	Super/PM	1,200,000.00	N/A	33%
Jaamco	704-975-7473	1410-D Babbage Ln Indian Trail, NC 28079	Super/PM	125,000.00	SBE	3%
P&S Construction	803-359-9334	2111 Two Notch Rd. Lexington, SC 29072	Super/PM	125,000.00	SBE	3%

12. What percentage of the project is being implemented by the Protégé? Must equate to a minimum of 20% of total contract amount.

Protégé Contract Value: 1,100,000.00

Percentage of Contract: 30% (Minimum of 20% of total contract amount is required)



CITY OF COLUMBIA

Department of Utilities and Engineering
Compliance Division
P.O. Box 147 | Columbia, South Carolina 29217
Phone: 803-545-3049 Fax: 803-545-4130

MENTOR-PROTEGE IMPLEMENTATION PLAN SIGNATURE SHEET

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their proper officials thereunto duly authorized as of the dates below indicated:

EXECUTED by IPR Southeast (Mentor Firm) this 29 day of September 2015.
Corporate SEAL

By: [Signature]
Title: Regional Corporate Controller

ATTEST:

By: [Signature]
Title: Regional Office Manager

EXECUTED by Holzner & Associates (Protege Firm) this 29 day of September 2015.
Corporate SEAL

By: [Signature]
Title: President

ATTEST:

By: [Signature]
Title: Notary

RECOMMENDED FOR APPROVAL:

EXECUTED by the Department of Utilities & Engineering, Compliance Division on this ____ day of _____, 20____.

By: _____

Title: _____

I-312
(Rev. 4/27/10)
3323

Packet Pg. 64

PERFORMANCE – PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS That we

(1) IPR Southeast, LLC, a (2) Corporation

hereinafter called Principal, and (3) Arch Insurance Company,

State of Missouri, hereinafter called Surety, are held and firmly bound unto the (4) The City of Columbia, South Carolina, hereinafter

called Owner, in the penal sum of Three Million, Six Hundred Fifty-Nine Thousand, Nine Hundred Seventy-One and 80/100 (\$3,659,971.80 no associated contingency with project)

Dollars in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, personal representatives and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas the Principal entered into a certain contract with the Owner dated the 14th day of January, 2016, a copy of which is hereto attached and made a part hereof for supplying certain

Project: #SS6966(16) Annual Contract For Rehabilitation Of Sanitary Sewer

If the contract is extended beyond the first year a new bond or continuation certificate must be issued. Now, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good default, and shall promptly make payment to all person, firms, subcontractors and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal, and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums on said work, and for all labor performed in such work, whether by subcontractor or otherwise, thence this obligation shall be void; otherwise, to remain in full force and effect.

PERFORMANCE – PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS That we

(1) Inland Pipe Rehabilitation Southeast, a (2) _____

hereinafter called Principal, and (3) _____,

State of _____, hereinafter called Surety, are held and firmly bound unto the (4) The City of Columbia, South Carolina, hereinafter

called Owner, in the penal sum of Three Million, Six Hundred Fifty-Nine Thousand, Nine Hundred Seventy-One and 80/100 (\$3,659,971.80 no associated contingency with project)

Dollars in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, personal representatives and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas the Principal entered into a certain contract with the Owner dated the _____ day of _____, 2016, a copy of which is hereto attached and made a part hereof for supplying certain

Project: #SS6966(16) Annual Contract For Rehabilitation Of Sanitary Sewer

Now, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good default, and shall promptly make payment to all person, firms, subcontractors and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal, and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums on said work, and for all labor performed in such work, whether by subcontractor or otherwise, thence this obligation shall be void; otherwise, to remain in full force and effect.

PROVIDED FURTHER that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way effect its obligation on this bond, and it does hereby waive notice of any change, extension of time, alteration or addition to the terms of contract or to the work or to the specifications.

PROVIDED FURTHER that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF this instrument is executed in four (4) counterparts each one of which shall be deemed an original this _____ day of _____, 2016.

ATTEST:

Principal Secretary

(SEAL)

Witness

Witness

ATTEST:

Surety Secretary

(SEAL)

Witness

Witness

Principal

By _____

Address

Surety

By _____

Address

*** South Carolina Registered Agent

1. Name of Contractor
2. Corporation, Partnership, Individual
3. Name of Surety
4. Name of Owner
5. If partnership, all partners should execute Bond

(Attach Power of Attorney where applicable)

CONTRACT

THIS AGREEMENT made this 14th day of January, 2016 by and between The City of Columbia, South Carolina, herein called "Owner" acting herein through _____, City Manager, (title of authorized official)

and _____ **Inland Pipe Rehabilitation Southeast** IPR Southeast LLC
 STRIKE OUT (a corporation) (a partnership)
 INAPPLICABLE (an individual doing business as
 TERMS _____)

Of _____ Stone Mountain _____, County of _____ DeKalb _____

State of _____ Georgia _____, hereinafter called "Contractor".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the OWNER, the CONTRACTOR hereby agrees with the OWNER to commence and complete the construction described as follows: **Project: #SS6966(16) Annual Contract For Rehabilitation Of Sanitary Sewer**

Hereinafter called the project, for the sum of **Three Million, Six Hundred Fifty-Nine Thousand, Nine Hundred Seventy-One and 80/100 (\$3,659,971.80 no associated contingency with project)**

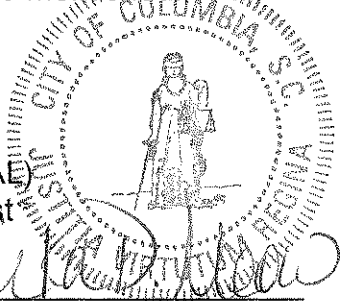
Dollars and extra work in connection therewith, under the terms as stated in the Specifications and Contract documents, and at his/its/their own proper cost and expense to furnish all the materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services necessary to complete the said project in accordance with the conditions and prices stated in the Proposal, the Instructions to Bidders, the General Conditions of the Contract or General Specifications, the construction specifications, provisions of the contract documents, the plans, which include all maps, plats, blue prints, and other drawings and printed or written explanatory matter thereof.

The Contractor hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice To Proceed" of the OWNER and to fully complete the project within **Two Hundred Thirty-Four (234)** consecutive calendar days thereafter. The "Notice To Proceed" shall be issued in the form of the specimen Notice To Proceed annexed hereto. The giving of notice to proceed by owner is a condition precedent to the duty of the contractor to proceed with the work of this project and to the duty of the owner to pay for such work. Any work performed or other services rendered by the contractor prior to the giving of the "Notice To Proceed" is performed or rendered at the sole risk of the contractor.

The Contractor further agrees to pay liquidated damages in the amount of **Two Hundred Fifty (\$250.00)** dollars for each consecutive calendar day that the work remains incomplete following the contract completion date established in the Notice To Proceed.

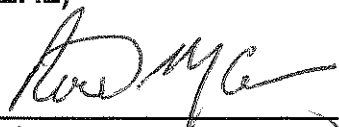
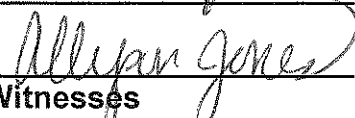
The Owner agrees to pay the Contractor in current funds for the performance of the contract, subject to additions and deductions, as provided in the contract documents.

IN WITNESS WHEREOF, the parties to these presents have executed this contract in four (4) counterparts, each of which shall be deemed an original in the year and day first above mentioned.

(SEAL)
Attest

City Clerk

THE CITY OF COLUMBIA, SOUTH CAROLINA

By 
City Manager

(SEAL)


Witnesses

IPR SOUTHEAST LLC
(Contractor)

By 
Wendy Wilkes
Regional Corporate Controller
(Title)

5207 Brier Rabbit Rd.
Stone Mountain, GA 30083
Address)

NOTE: Secretary of the Owner should attest. If Contractor is a corporation, Secretary should attest.

SS6966

REHABILITATION SANITARY SEWER PIPE

ANNUAL CONTRACT

SPECIAL PROVISIONS

1.0 GENERAL

1.1 Conflicts between the Special Provisions and the City of Columbia Engineering Regulations:

1.1.1 In case of conflict between the Special Provisions and the Engineering Regulations Part 15: General Specifications, the Special Provisions shall prevail.

1.1.2 In case of conflict between the Special Provisions and the Engineering Regulations Part 17: Specifications for Sanitary Sewers, the Special Provisions shall prevail.

1.2 There will be no additional cost to the City of Columbia due to any postponement of the project.

1.3 The terms and conditions of the contract and the specifications shall be valid through June 30, 2016. At such time, the City of Columbia shall have the option to renew for two (2) additional one (1) year periods *at the current bid proposal* by mutual written Amendment. There will be no price changes to the current line item bid. At the end of 36 months the contract shall expire without exception.

1.4 The Wastewater Superintendent is the Wastewater Superintendent of the City of Columbia, acting directly or through a duly authorized representative(s), such representative(s) acting within the scope of particular assigned duties or authority.

1.4.1 The Wastewater Superintendent is Mr. Robert Judy.

1.5 PREPARATION OF BID

1.5.1 Engineering Regulations Part 14: Instructions to Bidders, Paragraph 14.2 Preparation of Bid
Paragraph 14.2.2 is revised to read:

14.2.2 For this particular project, each bidder, whether a resident or nonresident of this State and whether a license has been issued to him or not, is not required to show evidence of being licensed by the SC Contractor's Licensing Board.

This project is considered for maintenance purposes only and therefore a South Carolina Contractor's license number is not required, except for the stipulation stated in subparagraph 1.5.2, herein.

1.5.2 The City declares that it is not necessary that cleaning of gravity sanitary sewer mains, performing of closed circuit television inspection (CCTV) of gravity sanitary sewer mains, and installing cured in-place pipe (CIPP) in gravity sanitary sewer mains be completed by a contractor licensed by the SC Contractor's Licensing Board.

- 1.5.3 However, the City does also declare that it is necessary that some aspects of rehabilitation of sanitary sewer mains be completed by a contractor licensed by the SC Contractor's Licensing Board, such as, making point repairs by the open-cut method and restoring asphaltic and concrete pavement, concrete curb, curb and gutter, driveway, median, and etc.

1.6 In the above listed technical specifications reference to:

1.6.1 The Engineer shall mean the Wastewater Superintendent of the City of Columbia, SC.

1.6.2 The City and Owner shall mean the City of Columbia, SC.

1.7 The Owner's Representative will be named at the preconstruction meeting.

1.8 The Contractor shall be responsible for the items listed on the Bid for Unit Price Contracts on the basis of the work actually performed and completed, such work including but not limited to, the furnishing of all necessary materials, labor, equipment, tools, transportation, delivery; disposal of waste and surplus material; consumables; overhead, profit, and insurance; meetings; mileage; restoration; supplies; fuel; installation; inspection; acceptance testing; maintenance; reshaping; replacement; public notifications; and incidentals including all direct and indirect costs necessary to complete the construction and installation of the work as shown on the drawings and described in the Contract Documents.

The Contractor shall obtain a right-of-entry should one be needed to access an easement or portion of an easement.

1.9 The Contractor shall be responsible for notifying the Wastewater Superintendent in writing of any comments and/or concerns regarding the project prior to the issuance of the Notice to Proceed. The Contractor shall also be responsible to conduct any exploratory surveys to ensure project information is accurate. Upon the issuance of the Notice to Proceed the Contractor accepts full responsibility for all work conditions stated in the contract documents.

2.0 PROJECT SCOPE OF WORK

2.1 In general terms, the work includes furnishing all labor, competent certified technicians, equipment, tools, accessories, and materials required to conduct cleaning of segments of the gravity sanitary sewer system, performing CCTV video inspections of segments of the gravity sanitary sewer system, furnishing and installing CIPP, making point repairs so as rehabilitate selected gravity sanitary sewer pipes; and preparing and submitting data in accordance with NASSCO Pipeline Assessment Certification Program (PACP).

The Contractor is to inspect and code observed conditions and rehabilitate segments of gravity sewer mains in accordance with the criteria, specified herein, for sewer mains shown on the following map titled "SS6966 FY (2015) Annual Pipe Rehabilitation Location Map". On the map the grey shaded area signifies that gravity sewer mains lying in this area have been given the highest level of importance for rehabilitation by the Wastewater Superintendent. The expectation is that in this area the Contractor will swiftly pursue completion of the rehabilitation work. Rehabilitation of gravity sewer mains in the yellow shaded area (secondary area for pipe rehabilitation) will occur only when, and if, directed by the Owner's Representative.

At intervals of 30 days, the Contractor is to present to the Owner's Representative the coded conditions assessment prepared for all sewer pipes inspected during the past month.

Next, wastewater management staff will evaluate the reported conditions with respect to geographical location, range of structural deficiencies, and levels of apparent severity. Wastewater management staff shall then identify for the contractor the location of the sanitary sewer pipes to be rehabilitated and the type of rehabilitation treatment these sanitary sewer pipes are to receive.

Concurrent with the wastewater management staff reviewing the submitted information, the Contractor is to be pushing ahead with inspections and coding of conditions of the sanitary sewer pipes remaining to be inspected. Later, the execution of the rehabilitation will become an additional concurrent activity.

Next, as requested by wastewater staff, the Contractor will proceed with implementing the form of rehabilitation specified for the identified sewer pipes.

In addition, to the above rehabilitation activities, the Contractor will prepare and submit with his application for payment a "Contractor Work Summary" form which documents the work of the project since the last application for payment.

City owned property and easements owned, leased, or operated by the City that will be encountered under this contract can vary from wet, low lying areas next to creeks, streams or rivers to those in fully developed neighborhoods and business districts, to easements on steeply sloped embankments, or to areas at City owned facilities.

2.2 The Work covered herein for rehabilitation sanitary sewer pipe includes, but is not limited to:

- A. Cleaning gravity sanitary sewer system mains (light and heavy);
- B. Inspecting gravity sanitary sewer mains using CCTV (pre- and post-inspection);
- C. Coding the findings of the CCTV inspection in accordance with National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP®) coding procedures;
- D. Developing database files;
- E. Uploading the PACP® database codes into CityWorks;
- F. Preparing inspection findings in NASSCO PACP® format;
- G. Installing liner material in the sanitary sewer main;
- H. Blocking or plugging of incoming lines to the sanitary sewer main;
- I. Making point repairs to the sanitary sewer main;
- J. Performing sanitary sewer flow control;
- K. Removing and replacing concrete curb and gutter, concrete sidewalk, concrete driveway, and concrete median
- L. Patching of asphaltic concrete pavement;
- M. Patching of concrete pavement;
- N. Restoration of surfaces;
- O. Performing traffic control; and,
- P. Performing miscellaneous restoration work.

2.2.1 The scope of work also includes separate and written plans for the following items:

- A. Project Specific Health and Safety Plan (HASP)
- B. Maintenance of Traffic Plan (MOT) Plan
- C. Temporary Bypass Pumping Plan
- D. Odor Control Plan for CIPP

- E. Quality Control Plan for CIPP
- F. Pipe Cleaning Narrative for Existing Service Laterals

The Contractor shall submit written copies of the above Plans and narrative to the Owner's Representative for review within 20 calendar days following the Notification-to-Proceed. Following the City's review, the Contractor shall incorporate the comments and re-submit a final version for the City's files. The final version must be submitted within 20 calendar days of receipt of the City's comments. The City will not approve the Plans, but will hold the Contractor accountable to the Plans. The Contractor's personnel must be completely familiar with the Plans and trained in all quality procedures required of this project.

The above plans additionally include those of any subconsultants/subcontractors working on the project.

Any alterations, deviations, or additions must be submitted to the Owner's Representative as information, as well as holders of the Plans and Narrative. In general, any alterations, deviations, or additions should upgrade or increase safety activities and unanticipated changes in site or working conditions.

The Plans shall be applicable the Contractor and all subcontractors (field personnel). Subcontractors may request that the Contractor modify the Plans and Narrative.

2.2.1.1 Project Specific Health and Safety Plan (HASP):

Engineering Regulations Part 15: General Specifications, Paragraph 15.54 Safety Regulations
Delete paragraph 15.54.4 in its entirety and replace it with the following paragraph:

15.54.4 The Contractor shall prepare and submit to the Owner's Representative a Project Specific Health and Safety Plan (HASP). The HASP shall be in general agreement with Industry Standards for the type of work to be performed. As an aid to preparation, OSHA regulations for general industry may be found in federal code 29 CFR 1910.120 regulations for the construction industry may be found in 29 CFR 1926.65.

Development of the HASP shall consider OSHA 29 C.F.R.1910.146 App C and/or other - OSHA standards regulating worker entry into sanitary sewer manholes.

Any opinions provided by the Owner's Representative on the Health and Safety Plan shall not in any way relieve the Contractor of any responsibility or liability for the Health and Safety Plan.

2.2.1.2 Maintenance of Traffic Plan (MOT) Plan: The Contractor is to prepare a Maintenance of Traffic Plan (MOT) Plan. The MOT Plan shall be in general agreement with Industry Standards for the type and location of work to be performed and should consider the following documents available from the SC Department of Transportation (SCDOT):

- A. SCDOT Approved Products List for Traffic Control Devices in Work Zones
- B. SCDOT Flaggers Handbook
- C. Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD)
- D. SCDOT Supplement to the MUTCD
- E. SCDOT Rule on Work Zone Safety and Mobility

- F. SCDOT WorkZone Safety Guidelines
- G. SCDOT Supplement to the MUTCD
- H. SCDOT Procedures and Guidelines For Work Zone Traffic Control Design

The Maintenance of Traffic (MOT) plan shall address, but not necessarily be limited to:

- A. Lane shifts or closures.
- B. Flagging.
- C. Material and equipment storage.
- D. Maintaining vehicle and pedestrian access; and,
- E. Haul routes.

Any opinions provided by the Owner's Representative on the Maintenance of Traffic Plan shall not in any way relieve the Contractor of any responsibility or liability for the Maintenance of Traffic Plan.

2.2.1.3 Temporary Bypass Pumping Plan: The Contractor is to prepare a written Temporary Bypass Pumping Plan. The Temporary Bypass Pumping Plan shall consider the following items:

- A. Schematic layout showing layout of pumping equipment and suction/discharge lines.
- B. Procedure to setup, activate and shutdown bypass system.
- C. Pipe plugging method and types of plugs.
- D. Number, size, material, location and method of installation of suction piping.
- E. Number, size, material, method of installation and location of installation of discharge piping.
- F. Bypass pump information/model, TDH, and capacity of all required by-pass pumps.
- G. Location and type of connection at point of discharge.
- H. Method of protecting discharge structures from erosion and damage.
- I. Restraint system for all piping.
- J. Any temporary pipe supports and anchoring required.
- K. Calculations for selection of by-pass pumping pipe size, including wet weather flows (flow data to be provided by City).
- L. Schedule for maintenance of bypass pumping lines.
- M. Plan indicating alignment of by-pass pumping force main.
- N. Plan must include proper protection of the by-passing facilities.
- O. Temporary bypass pumping plan shall include an emergency response component for City representatives and the Contractor's employees in the event of a sewage spill. The Emergency Response Component is to include, but not be limited to, details of the following:
 - 1. Emergency contact numbers (city representatives and employees of the Contractor), providing 1 hour response time, 24 hours a day, 7 days a week for start-up, construction, operation, and shutdown periods.
 - 2. Safety and security plan to protect and minimize risk to public and to prevent vandalism.
 - 3. Compliance to City's Sewer Overflow Response Plan for notification, actions, and making repairs to pipelines along the alignment.
 - 4. Means and methods of spill containment and clean-up.

Any opinions provided by the Owner's Representative on the Temporary Bypassing Plan shall not in any way relieve the Contractor of any responsibility or liability for the Temporary Bypassing Plan.

- 2.2.1.4 Odor Control Plan for CIPP: The Contractor is to prepare an Odor Control Plan for CIPP. The Odor Control Plan shall be in general agreement with Industry Standards for the type of work to be performed and that project specific odors will be minimized at the project site and surrounding area.
- 2.2.1.5 Quality Control Plan for CIPP: The Contractor is to prepare a Quality Control Plan (QCP) for CIPP. The QCP shall be in general agreement with Industry Standards for the type of work to be performed shall consider, but not be limited to the following items:
- A. A detailed discussion of the proposed quality controls to be performed by the Contractor.
 - B. Defined responsibilities, of the Contractor's personnel, for assuring that all quality requirements, for this contract, are met. These shall be assigned, by the Contractor, to specific personnel.
 - C. Proposed procedures for quality control including those pertaining to fit and finish, product sampling and testing shall be defined and submitted as part of the Plan.
 - D. Proposed methods for product performance controls, including method of and frequency of product sampling and testing both in raw material form and cured product form.
 - E. A scheduled performance and product test result reviews between the Contractor and the Owner at a regularly scheduled job meeting.
 - F. Inspection forms and guidelines for quality control inspections shall be prepared in accordance with the standards specified in this contract and submitted with the QCP.
- 2.2.1.6 Pipe Cleaning Narrative for Existing Service Lateral: The Contractor is to prepare a Pipe Cleaning Narrative for Existing Service Laterals. Content of the Narrative is to describe in sufficient detail the proposed methods for root cutting and cleaning the existing laterals. Narrative is to include the degree of cleaning as recommended by the lining manufacturer. Such narrative shall indicate the lining manufacturer's technical representative's approval for the proposed cleaning methods.
- 2.3 The Request for Proposal includes a map titled "SS6966 (2015) Annual Pipe Rehabilitation Location Map" which shows the location of sanitary sewer pipes to be rehabilitated under this contract. The length of the sewer system pipes is approximate.
- During rehabilitation activities, the Contractor may discover the existence of an overlooked sanitary sewer line and/or manhole. Should this occur the Contractor shall advise the Wastewater Superintendent. The Wastewater Superintendent may direct the Contractor to rehabilitate additional segments of sewer pipes. Should the Contractor be requested to rehabilitate additional sewer pipes a change order to the contract will be approved prior to the work being performed. The amount of the change order shall be based on the unit price for the applicable pay item stated in the bid and for the number of bid units measured in the field.
- 2.4 In the public street rights-of-way work is restricted to the times and days indicated on issued encroachment permit(s). Should the awarded encroachment permit(s) not state work hours, work will be restricted to between 7:00 A.M. and 7:00 P.M., Monday through Friday.
- 2.4.1 The Contractor shall not obstruct traffic along and across major through streets or intersections thereof during the hours of 7:00 A.M. to 9:00 A.M. and 4:00 P.M. to 6:00 P.M., Monday through Friday.
- 2.4.2 Work beyond the street rights-of-way is restricted to between 7:00 A.M. and 7:00 P.M., Monday through Friday. For work at other times and days the Contractor is to submit to the Wastewater

Superintendent for approval a request for change in work hours. A request should be submitted no later than 3 work days prior to the time and date of requested schedule change.

- 2.4.3 Prior to the start of work and after the completion of work no loud noise whether created by vehicles, equipment, tools or shouting is allowed to include noises created by material deliveries, vehicle operations, back-up alarms, fork lifts, mixers, or hand tools is permitted. This is a particularly sensitive issue when projects are in the proximity of residences and public buildings.
- 2.5 A project completion schedule will be created in the form of a Bar Chart/Gantt Chart.
- 2.5.1 The Contractor shall submit a written project completion schedule to the Owner's Representative before a Notification-to-Proceed will be issued. Following the City's review, the Contractor shall incorporate the comments and re-submit a final version for the City. The initial version must be submitted within 14 calendar days of receipt of the City's comments. The City will not approve the Schedule, but will hold the Contractor accountable to the Schedule.
- 2.5.2 Updated versions of the project completion schedule are to be submitted and accompany the request for payment.

3.0 SEQUENCE OF WORK

- 3.1 The Work Sequence shall be approved by the Owner's Representative prior to the start of construction; however, this shall in no way affect the responsibility of the Contractor.
- 3.2 Coordinate all work with the Owner's Representative to minimize disruption of ongoing operations. Work may be required to be performed on weekends and/or at night to minimize disruption of normal operations.
- 3.2.1 Coordination shall be made with the Owner's Representative prior to plugging sewer lines or initiating temporary bypass pumping.

4.0 COMMUNICATION BETWEEN CITY AND CONTRACTOR

- 4.1 Monthly invoices for payment shall be submitted to:

Mr. Michael Sheu, P.E.
 Manager
 City Construction Management Division
 P.O. Box 147
 Columbia, SC 29217

The Form of the Application for Payment shall be AIA G702 Application and Certificate for Payment with the AIA G703 Continuation Sheet, latest edition. Computer generated Applications for Payment will be acceptable only if the computer generated form conforms exactly to the G702 Application and Certificate of Payment with the AIA G703 Continuation Sheet.

- 4.2 The Contractor shall submit to the Owner's Representative the following items at the indicated times:
- 4.2.1 Notifications:

Copies of correspondence and project deliverables may be transmitted by electronic mail or delivered by US Postal Service, overnight delivery, or hand-delivery.

4.2.1.1.1 Weekly:

- A. Submit a schedule of work for the upcoming week, including a map showing the area of work, and a map and list of fire hydrants that will be utilized for a water source, and a list of streets being affected
- B. Provide 24-hour notice for deviations from the schedule that are not caused by weather or natural causes.

4.2.1.1.2 Every two weeks:

(Not Used)

4.2.1.1.3 Monthly:

- A. Preliminary applications for payment including:
 - 1. Project photographs
 - 2. Physical work records
 - 3. Acceptance testing and certifying reports
 - 4. Field measurement data
 - 5. Devices and materials applicable to the work but not processed as shop drawings, product data, or samples.
 - 6. A cumulative compiled version of the inspection database in PACP Exchange formats
 - 7. Map indicating the location of those sanitary sewer pipes which have been improved with cured in-place pipe and point repairs
 - 8. Contractor Work Summary - A work summary sheet by Asset ID number documenting the work that was completed during the previous month.
- B. Written report indicating the status of:
 - 1. Work to be completed
 - 2. Any challenges and obstructions to the timely completion of the project
 - 3. Contract amount expended to date
- C. Inspection data on a monthly basis with the database and data on an external hard drive.

4.2.1.1.4 At time of occurrence

- A. Point repair acceptance testing and certifying reports
- B. Video tape resulting from closed circuit television post inspection of spot repair
- C. See paragraphs entitled "Notifications" included in each of the technical specification sections.

4.2.1.2 At close-out of the project:

- A. Maps showing the location of gravity sanitary sewer pipes which have been rehabilitated with cured in-place pipe and point repair.
- B. Notes indicating additions/deletions to the list of original gravity sanitary sewer pipes identified to be rehabilitated.
- C. A final written report summarizing the findings of the original gravity sanitary sewer pipe rehabilitation.
- D. Copy(s) of inspection reports.
- E. A final, compiled version of the inspection database in PACP Exchange formats
- F. Digital videos, digital photographs, evaluation reports, and databases in NASSCO PACP exchange format (latest version).
- G. Deliverables as described in the technical specifications.

5.0 QUALIFICATIONS OF BIDDER

Engineering Regulations Part 14: Instructions to Bidders, Paragraph 14.9 Qualifications of Bidder
The following new paragraphs are inserted after the last paragraph:

- 14.9.3 Qualifications required by the City for this project are listed below in paragraphs 14.9.3.1 through 14.9.3.5.

Stated requirements related to corporate and individual experience are to be satisfied no later than at time of bid.

Contractors who do not meet the experience and other qualifications specified herein shall not be considered for award of the contract.

Each Bidder is required to complete and submit the Contractor's Qualification Page, with the proposal. The Contractor's Qualification Page is found at the end of this section. The Bidder may make as many copies of the Contractor's Qualification Page as required for his purposes.

Each Bidder is required to complete and submit the form titled "List of Subcontractors to be used on this Project", with the proposal. The "List of Subcontractors to be used on this Project" form is found at the end of this section. The Bidder may make as many copies of the "List of Subcontractors to be used on this Project" form as required for his purposes.

Proposed personnel may be employees of the Bidder or employees of a subcontractor, or these individuals may be independent contractors to whom the Bidder would subcontract a portion of the Work.

Job positions shown in this Paragraph and Contractor's Qualification Page (i.e., on-site supervisor/crew chief) are for demonstrating levels of requirements for

work experience. A Bidder may substitute a comparable job position title used in his own organization for those identified in this Paragraph and Contractor's Qualification Page. However, the requirements related to a specific job position, by whatever job title position may be used, is firm.

14.9.3.1 For sanitary sewer pipe CCTV inspection and post rehabilitation sanitary sewer pipe CCTV inspection the requirements are as follows:

- A. The Contractor must demonstrate a minimum level of at least five (5) other jobs similar in size and scope to the work specified herein, within the last seven (7) years, requiring CCTV video inspection as a certified NASSCO PACP User. The Contractor must have inspected by CCTV in excess of 500,000 linear feet of sanitary sewer in NASSCO PACP format.
- B. The On-Site Supervisor/Crew Chief must demonstrate a minimum level of three (3) other jobs similar in size and scope to the work specified herein, within the last five (5) years, requiring CCTV video inspection as a certified NASSCO PACP User. The On-Site Supervisor/Crew Chief must have inspected by CCTV in excess of 300,000 linear feet of sanitary sewer in NASSCO PACP format. List a minimum of two On-Site Supervisor/Crew Chiefs, but one must remain on-site at all times during the work.
- C. The Lead CCTV Operator must demonstrate a minimum level of three (3) other jobs similar in size and scope to the work specified herein, within the last five (5) years, requiring CCTV video inspection as a certified NASSCO PACP User. The Lead CCTV Operator must have inspected by CCTV in excess of 200,000 linear feet of sanitary sewer in NASSCO PACP format. List a minimum of two Lead CCTV Operators, but one must remain on-site at all times during the work.
- D. The Contractor must demonstrate that his employees have earned Certificates of Completion in confined space entry training, as per federal code CFR 29 1910.146.

14.9.3.2 For sanitary sewer pipe point repairs by open cut, restoration of pavement, concrete curb, curb and gutter, driveway, and median, replacing precast concrete cone sections, and rebuilding benches and inverts the requirements are as follows:

- A. The Contractor/Subcontractor must possess:
 - 1. A current license issued by the SC Contractor's Licensing Board
 - 2. A license classification of WL
 - 3. A Group 5 designation
- B. The Contractor/Subcontractor must demonstrate a minimum level of at least five (5) other jobs similar in size and scope to the work specified herein, within the last seven (7) years involving point repairs by open cut, restoration of pavement, and removing and replacing concrete curbs, curbs and gutters, driveways, medians, precast concrete cone sections, and benches and inverts.

- C. The Contractor must demonstrate that his employees have earned Certificates of Completion in confined space entry training, as per federal code CFR 29 1910.146.

14.9.3.3

For cleaning of sanitary sewer pipes the requirements are as follows:

- A. The Contractor must demonstrate a minimum level of at least five (5) other jobs similar in scope to the work specified herein, within the last seven (7) years, requiring cleaning of sanitary sewer mains. The Contractor must have cleaned in excess of 500,000 linear feet of sanitary sewer pipes.
- B. The Contractor must demonstrate that his employees have earned Certificates of Completion in confined space entry training, as per federal code CFR 29 1910.146.
- C. The On-site Superintendent/Crew Chief must demonstrate a minimum level of at least five (5) other jobs similar in scope to the work specified herein, within the last seven (7) years, requiring cleaning of sanitary sewer mains. The Contractor must have cleaned in excess of 300,000 linear feet of sanitary sewer pipes. List a minimum of two On-Site Supervisor/Crew Chiefs, but one must remain on-site at all times during the work.
- D. The Lead Operator must demonstrate a minimum level of at least three (3) other jobs similar in scope to the work specified herein, within the last five (5) years, requiring cleaning of sanitary sewer mains. The Lead Operator must have cleaned in excess of 250,000 linear feet of sanitary sewer pipes. List a minimum of two Lead Operators, but one must remain on-site at all times during the work.

14.9.3.4

For sanitary sewer pipe cured in-place pipe lining and sanitary sewer service lateral cured in-place pipe lining the requirements are as follows:

- A. The Contractor must demonstrate a minimum level of at least five (5) other jobs similar in scope to the work specified herein, within the last seven (7) years, requiring cured in-place pipe lining. The Contractor must have applied cured in-place pipe lining in excess of 500,000 linear feet of CIPP liners in sewer pipe of 8" in diameter or larger pipe, using one or more of the specified products.
- B. The Contractor must demonstrate that he has been trained and certified by the liner manufacturer as an approved installer, using one or more of the specified products.
- C. The Contractor must demonstrate certify that the equipment to be used for applying the CIPP liner has been manufactured or approved by the CIPP manufacturer.
- D. The Contractor must demonstrate that his employees have earned Certificates of Completion in confined space entry training, as per federal code CFR 29 1910.146.

- E. The On-site Superintendent/Crew Chief must demonstrate a minimum level of at least three (3) other jobs similar in scope to the work specified herein, within the last five (5) years, requiring cured in-place pipe lining. The On-site Superintendent/Crew Chief must have applied cured in-place pipe lining in excess of 300,000 linear feet of CIPP liners in sewer pipe of 8" in diameter or larger pipe, using one or more of the specified products. List a minimum of two On-site Superintendent/Crew Chiefs, but one must remain on-site at all times during the work.
- F. The On-site Superintendent/Crew Chief must demonstrate that he has been trained and certified by the liner manufacturer as an approved installer, using one or more of the specified products.
- G. The Lead Operator must demonstrate a minimum level of at least three (3) other jobs similar in scope to the work specified herein, within the last five (5) years, requiring cured in-place pipe lining. The Lead Operator must have applied cured in-place pipe lining in excess of 250,000 linear feet of CIPP liners in sewer pipe of 8" in diameter or larger pipe, using one or more of the specified products. List a minimum of two Lead Operators, but one must remain on-site at all times during the work.
- H. The Lead Operator must demonstrate that he has been trained and certified by the liner manufacturer as an approved installer, using one or more of the specified products.
- I. The Boiler Technician must demonstrate a minimum level of at least two (2) other jobs similar in scope to the work specified herein, within the last four (4) years, requiring cured in-place pipe lining. The Boiler Technician must have applied cured in-place pipe lining in excess of 250,000 linear feet of CIPP liners in pipe of 8" in diameter or larger pipe, using one or more of the specified products. List a minimum of two Boiler Technicians, but one must remain on-site at all times during the work.
- J. The Boiler Technician must demonstrate that he has been trained and certified by the liner manufacturer as an approved installer, using one or more of the specified products.
- K. The Lateral Cutter Technician must demonstrate a minimum level of at least one (1) other job similar in scope to the work specified herein, within the last three (3) years, requiring cured in-place pipe lining. The Lateral Cutter Technician must have applied cured in-place pipe lining in excess of 250,000 linear feet of CIPP liners in pipe of 8" in diameter or larger pipe, using one or more of the specified products. List a minimum of two Lateral Cutter Technicians, but one must remain on-site at all times during the work.

14.9.3.5 For smoke testing of gravity sewer pipes the requirements are as follows:

- A. The Contractor must demonstrate a minimum level of at least three (3) other jobs similar in size and scope to the work specified herein, within the last five (5) years, requiring smoke testing. The Contractor must have

performed smoke testing in excess of 500,000 linear feet of sanitary sewer pipe.

- B. The Contractor must demonstrate that his employees have earned Certificates of Completion in confined space entry training, as per federal code CFR 29 1910.146.
- C. The Lead Technician must demonstrate a minimum level of at least two (2) other jobs similar in size and scope to the work specified herein, within the last four (4) years, requiring smoke testing. The Lead Technician must have performed smoke testing in excess of 250,000 linear feet of sanitary sewer pipe. List a minimum of two Lead Technicians, but one must remain on-site at all times during the work.

6.0 SAFETY REGULATIONS

15.54 SAFETY REGULATIONS

The following new paragraph is inserted after 15.54.5 paragraph and paragraph 15.54.6 is renumbered as 15.54 7.

- 15.54.6 The work described in this Scope of Work, including any internal sewer or manhole inspections, shall meet the minimum requirements as presented in the OSHA Standard, Title 29 CFR 1910.146, Permit Required Confined Spaces. Upon commencement of the Work, copies of all confined space entry permits must be submitted to Owner's Representative. Contractor shall notify the Owner's Representative or delegated representative each day by phone, email or fax when it is necessary for Contractor to enter a manhole(s). Contractor shall identify all manholes that Contractor plans on entering that day by street location and unique manhole identification numbers per the City standard manhole identification number (MH Asset ID).

7.0 ASSISTANCE PROVIDED BY THE CITY

- 7.1 To the maximum practicable extent, the City will make archived drawings of segments of sewer system included in this project available to the Contractor for his use.
- 7.2 The City may assist in locating and uncovering hidden or buried manholes.

8.0 COMPLIANCE STATEMENT

- 8.1 The U.S. Government is not providing financing for this project; a compliance statement is not required for submitting a response to this Proposal.

9.0 WARRANTY

15.48 GENERAL WARRANTY FOR THREE YEARS AFTER COMPLETION OF CONTRACT

This paragraph is deleted and replaced with the following:

15.48 GENERAL WARRANTY

15.48.1 The Contractor is to provide a written (but not bonded) warranty to workmanship and materials for all work done and material and equipment put in place under the contract in accordance with the warranty statements included in the technical specifications. Neither the certificate of final acceptance, payment of the final estimate, nor any provision in the Contract Document, nor partial or entire occupancy of the premises by the City shall constitute an acceptance of work not done in accordance with the Contract Documents, nor relive the Contractor of liability in respect to any express warranties or responsibility for faulty materials or workmanship. The Contractor shall remedy any defects in the work and pay for any damage to other work resulting therefrom, which shall appear within a period of one year from the date of final acceptance of the work unless a longer period is specified in the technical specifications. The City will give notice of observed defects with reasonable promptness.

15.48.1.1 Warranty for cured in-place lining for gravity sanitary sewer main to cover workmanship and materials shall be for a period of not less than five (5) years from the date of final acceptance of the project.

15.48.1.2 Warranty for cured in-place lining for sewer service lateral CIPP lining to cover workmanship and materials shall be for a period of not less than five (5) years from the date of final acceptance of the project.

15.48.2 For the purposes of this paragraph, the term "defects" refers to any condition in publicly dedicated facilities, utilities or streets that requires the City to make repairs to such improvements over and above the normal amount of maintenance that they would require. If such defects appear, the warranty may be enforced regardless of whether the facilities, utilities, or streets were constructed in accordance with the requirements of the Engineering Regulations or the project Contract Documents.

15.48.3 No later than 30 calendar days prior to the expiration of the warranty period(s) the Contractor shall request a cursory inspection. Upon successful completion of all warranty items, the Contractor shall be released from maintenance responsibilities for the warranted construction and construction bonds will be released.

10.0 INJURIES TO PERSONS AND PROPERTIES

15.53 PROTECTION OF MATERIAL, WORK AND PROPOERTY; AND INJURIES TO PERSONS AND PROPERTY

The following new paragraphs are inserted after the last paragraph:

15.53.9 The Contractor must protect and support all utilities such as water and gas pipes or other conduits and buildings, walls, fences, or other properties, which are liable to be damaged during the execution of his work. The Contractor shall take all reasonable and proper precautions to protect persons, animals, and vehicles of the public from injury and wherever necessary shall erect and maintain a fence or railing around any excavation and place a sufficient number of lights about the work and keep them burning from twilight to sunrise. The Contractor must, as far

as practical and consistent with good construction, permit access to private and public property and leave fire hydrants, catch basins, streets, etc., free from encumbrances.

15.53.10 The Contractor must restore at his own expense all injured property caused by any negligence of omission or commission on his part or on the part of his agent, including sidewalks, curbing, sodding, pipes, conduits, sewers, buildings, fences, retaining walls, tanks, power lines, or any other private or public property to a condition of equal or better comparison to the condition of the property when he entered upon the work.

15.53.11 The Contractor shall have the sole responsibility of determining the best and proper method or means of construction and the City shall not be held responsible for determining or suggesting a method or means of construction, except as expressly indicated in the contract documents.

11.0 UTILITIES USAGE

Refer to Paragraph 26.0 Amendments to City of Columbia Engineering Regulations Part 17 Specifications for Sanitary Sewers, subparagraph 17.1.5.

12.0 AUTHORIZATION TO WORK IN THE PUBLIC RIGHTS-OF-WAY (SC DEPARTMENT OF TRANSPORTATION, RICHLAND COUNTY, AND CITY OF COLUMBIA)

- 12.1 Prior to temporarily closing a street, or blocking any portion of a street, the Owner's Representative shall be notified. As soon as the maintenance of traffic practices installed in accordance with the Maintenance of Traffic Plan, the Contractor shall proceed with this work. Maintenance of traffic on a section of a road/street where and when CCTV inspection, CIPP, and point repairs is occurring is the responsibility of the Contractor.
- 12.2 The Contractor shall be required to comply with the terms and provisions of the encroachment permit issued to the City by the agency having jurisdiction over the roadway as though the permit had been issued in the name of the contractor as permittee.
- 12.3 The individual granting the encroachment permit from the agency having jurisdiction over the roadway shall be notified 24 hours prior to mobilizing forces in the roadway. The same individual is to be notified when the work is completed. Reference shall be made by permit number.
- 12.4 Should issuance of an encroachment permit be delayed for any reason, the Contractor shall begin working upon other portions of the project and claim no damage whatsoever by reason of delay in receiving an encroachment permit.
- 12.5 Except for the most unusual of circumstances, the City will not grant additional compensation as a remedy for a loss of work attributable to atypical traffic congestion resulting from traffic accidents and sporting and special events. If the Contractor believes the encountered congestion to be exceptionally burdensome, he may petition the Owner's Representative for an adjustment in compensation.

13.0 INSURANCE

- 13.1 Part 14: Instructions to Bidders, Paragraph 14.21.5 Builder's Risk Insurance
The paragraph is deleted in its entirety.

15.54.7 Vacant.
Builder's Risk Insurance is not applicable for this Project.

- 13.2 Part 14: Instructions to Bidders, Paragraph 14.21.6 Flood Insurance.
The paragraph is deleted in its entirety.

14.21.6 Vacant.
Flood Insurance is not applicable for this Project

- 13.3 Part 14: Instructions to Bidders, Paragraph 14.21 Insurance
The following new paragraph is inserted after the last subparagraph:

14.21.10 Pollution Liability Insurance

The Contractor shall obtain Contractor's Pollution Liability Insurance with minimum "per project" limits of \$2,000,000 per occurrence and \$2,000,000 in aggregate for claims, including investigation, defense, or settlement costs and expenses for bodily injury, including third-party bodily injury, property damage (including natural resources damages and loss of use of tangible property that has not been physically injured), clean-up costs and defense costs which arise from the construction operations performed by or on behalf of the Contractor and which shall specifically provide coverage for:

- 14.21.10.1 Pollution conditions caused or made worse by the Contractor's performance of the Work, including clean-up costs for a newly caused condition or a historical condition that is made worse; and,
- 14.21.10.2 The vicarious liability of subcontractors of any tier.
- 14.21.10.3 The City of Columbia, its officers and employees shall be named as additional insureds, by endorsement, ISO Forms CG 2010 and CG 2037 or their equivalent for claims arising out of the Contractor's negligence or the negligence of those for whom the Contractor is responsible.
- 14.21.10.4 Contractor agrees to provide uninterrupted coverage from the throughout the duration of the project and for at least five (5) years after substantial completion of the project.
- 14.21.10.5 The Contractor shall maintain insurance to cover liability arising out of the operations, use, or maintenance of all owned, non-owned, and hired automobiles or trucks.
- 14.21.10.5.1 Minimum limits of liability: \$2,000,000 – per occurrence combined single limit bodily injury and property damage

By endorsement, ISO Form CA 9948 Endorsement – Pollution Liability – Broadened Coverage (or equivalent) CA 9948.

- 14.21.10.6 Coverage:
- 14.21.10.6.1 Owned automobile/truck
- 14.21.10.6.2 Non-owned automobile/truck
- 14.21.10.6.3 Hired automobile/truck
- 14.21.10.7 Waiver of subrogation in favor of the City of Columbia.

14.0 SUBCONTRACTING

15.13 SUBCONTRACTING

The following new paragraph is inserted after the last paragraph:

- 15.13.6 The Contractor shall identify all subcontractors to be used on this project on the sheet provided at the end of this section as part of the bid proposal. The Contractor shall require all subcontractors and vendors to keep their bids confidential. The Contractor shall, in performance of the Contract, only use those subcontractors and vendors upon which the Contractor's bid was based. Subcontractor and vendor substitutions shall only be made upon the Owner's approval. The Contractor shall enter into contracts with those subcontractors and vendors, in the same dollar amount upon which the Contractor's bid was based, prior to award of the Contract. Such contracts shall be contingent upon award of the Contract by the Owner and the Owner's Notice to Proceed to the Contractor. Each pay request shall identify the dollar amount that will be paid to each subcontractor and vendor for work performed and materials/products furnished under the Contract. The Contractor shall provide the name of each subcontractor and vendor and a description of the work performed and materials/products furnished by each subcontractor and vendor and the dollar amount to be paid to each subcontractor and vendor.

15.0 PAYMENT FOR SUBCONTRACTING

15.44 PROCEDURES FOR SUBMITTING PAY REQUESTS

The following new paragraph is inserted after the last paragraph:

- 15.44.13 All requests for partial payment shall include the name of the disadvantaged businesses used, a description of work performed and materials/products furnished, and the dollar amount paid or to be paid to each disadvantaged business for the period of time covered by the payment request. A signed and notarized letter from the Contractor shall be submitted with the final pay request. The letter must certify which disadvantaged businesses were used, the work performed and materials/products furnished and the dollar amount paid to each of these businesses.

16.0 PROTECTIVE WORK

- 16.1 The Contractor shall furnish and install all necessary temporary works for protection of the work at no additional cost to the City. This shall include, but not limited to, barricades, warning signs, traffic control devices, and lights for protection of work at night.

17.0 EMERGENCY WORK

- 17.1 The Contractor shall at all times (nights, weekends and holidays) have a responsible person available to act in case of emergency repairs whom the Owner's Representative may contact. Upon notification of any emergency work necessary, the Contractor shall immediately take steps to make such repairs as may be required.

18.0 TRAFFIC MANAGEMENT

- 18.1 The Contractor shall be responsible for traffic control in the work zone(s) during the course of the project.
- 18.2 Defective or substandard devices used in implement the maintenance of traffic plan shall be acceptable for use as determined by the Owner's Representative shall be rejected and replaced at the Contractor's expense. The Owner's Representative shall immediately notify the Contractor and the Contractor shall be required to begin corrective measures immediately. Failure to comply with this requirement may result in an immediate suspension of all work.
- 18.3 In the event the Owner's Representative finds traffic controls are not being provided as outlined, then the Contractor will be notified. If the condition is not promptly corrected, then all work shall be suspended until such conditions are corrected. During such suspension, the charging of work time shall be continued. The Owner's Representative shall have the authority to withhold partial payment for any work on this contract if traffic control is not being provided in accordance with the Contract Documents.

19.0 UNPAVED ROADS, DRIVEWAYS, AND PARKING AREAS

- 19.1 The Contractor shall restore all dirt and/or gravel roads, driveways, and parking areas disturbed during the performance of this contract to their preconstruction conditions, or better, unless indicated otherwise.
- 19.2 There will be no direct payment for this item, the cost of which shall be included in other bid items.

20.0 REMOVAL OF OBSTRUCTIONS

- 20.1 Contractor to coordinate with the Owner's Representative for relocating sheds, fences, and other obstructions if such relocation is required to perform work. Each of these will be determined on a case by case basis directly with the Owner's Representative.
- 20.2 The Contractor shall be responsible for arranging for the temporary removal of sheds/vehicles/trailers and other obstructions located in the work zone. Temporary removal and replacement shall be at the Contractor's expense
- 20.3 Should the obstruction be removed without the prior consent of the Owner's Representative, the

former obstruction shall be replaced at the Contractor's expense.

21.0 SEDIMENT AND EROSION CONTROL

Engineering Regulations Part 15: General Specifications, Paragraph 15.61 SEDIMENT AND EROSION CONTROL

The following paragraphs are added after the last paragraph:

- 15.61.6 The Contractor must inspect and maintain sites that are disturbed by construction activities including, but not limited to, storage areas, at trenches, at discharge locations and at vehicle exit and entrance site locations. Deficiencies noted shall be corrected immediately.
- 15.61.7 Fines assessed to the City of Columbia due to the Contractor's noncompliance or violation of applicable storm water permits will be deducted from the Contractor's pay estimate.
- 15.61.8 All excavated material and/or delivered materials (macadam base, stone, select backfill, etc.) must be covered by methods that will prevent dust and erosion. The Contractor shall use all means necessary, throughout construction of the project, to prevent dust from becoming a nuisance to the public, to neighbors, and to other work being performed on or near the site.
- 15.61.9 The Contractor shall prevent all construction materials including, but not limited to, wood materials such as form work, macadam base, stone, concrete materials, soils, concrete and flowable fill truck washouts, steel debris, cardboard, etc. from entering the storm drainage system or creek.

22.0 SIGNS, FENCES, LIGHTS, MAILBOXES, AND LANDSCAPING STRUCTURES

- 22.1 The Contractor shall be required to temporarily remove and reset all signs, fences, lights, mailboxes, landscaping structures, etc., at no additional cost to the City. Any item damaged shall be replaced at the Contractor's expense.
- 22.2 Any signs, fences, lights, mailboxes, landscaping structures, etc., disturbed inside the right of way/City easement will be replaced or restored to their original or better condition. Any signs, fences, lights, mailboxes, landscaping structures, etc., fences removed will be replaced in their original location.
- 22.3 Signs, fences, lights, mailboxes, landscaping structures, etc., in such poor condition that they cannot be taken down and rebuilt with the same material will be replaced with new material similar in original quality, size, and appearance to the removed item. Exceptions to this requirement will be allowed if written releases are obtained from the property owners by the Contractor and submitted to the City.

23.0 TREES, SHRUBBERY, AND LAWNS

- 23.1 The Contractor is strongly advised to review the existing landscaping along the proposed limits of the project. Trees and shrubbery in developed areas and along the trench line or line of the gravity sanitary sewer main shall not be disturbed unless absolutely necessary, and subject to the

approval of the Owner's Representative. The Contractor shall take all measures necessary to preserve and replant all ornamental shrubbery and trees that absolutely require temporary removal for the construction of this project.

- 23.2 Any deciduous tree or ornamental shrubbery damaged by the Contractor will be replaced and replanted with the same variety and of similar size at the Contractor's expense.
- 23.3 Ornamental shrubbery and tree branches shall be temporarily tied back, where appropriate, to minimize damage. Trees which receive damage to branches shall be trimmed of those branches to improve the appearance of the tree. Tree trunks receiving damage from equipment shall be treated with a tree dressing.
- 23.4 Any tree and/or shrubbery necessary to be removed and is located beyond the City's permanent easement shall be replaced and replanted at Contractor's expense.
- 23.5 Where trenches cross private property through established lawns, sod shall be cut, removed, stacked, and maintained in suitable condition until replacement is approved by the Owner's Representative. Topsoil underlying lawn areas (approximately 12" deep) shall be removed and kept separate from general excavated materials until replacement.
- 23.6 The Contractor is required to do all maintenance necessary to keep sodded and seeded areas as well as all plants in a satisfactory condition during up to time of project close-out. This shall include, but not be limited to, trimming, mowing, repairing washes, replacing plants, and applying: topsoil, sod, seed, fertilizer, and/ or mulch to areas where a satisfactory stand of grass has not been achieved.
- 23.7 The Contractor will be required to maintain replanted trees and shrubbery on private property (located outside of permanent easement) for a period of 12 months. This includes plant replacement, and any other work deemed necessary by the Owner's Representative.
- 23.8 The Contractor will be responsible for locating and protecting private underground irrigation systems along the route.

24.0 RE-ESTABLISHMENT OF PROPERTY IRONS

- 24.6 Any property monument disturbed during construction shall be re-established by a land surveyor registered in the State of South Carolina. There shall be no additional payment to the Contractor for these services.

25.0 INCLEMENT WEATHER

- 25.1 The Contractor shall not be entitled to an extension of the contract time due to normal inclement weather. Unless the Contractor can substantiate to the satisfaction of the Owner's Representative that there was greater than normal inclement weather and that such greater than normal inclement weather actually delayed the work, the Contractor shall not be entitled to an extension of time therefore. The following shall be considered the normal inclement weather days for each month listed, and extensions of time shall be granted in increments of not less than one half day only for inclement weather in excess of the days set out.

January 10 days	July 4 days
February 10 days	August 2 days
March 7 days	September 2 days
April 6 days	October 3 days
May 4 days	November 6 days
June 3 days	December 9 days

26.0 AMENDMENTS TO CITY OF COLUMBIA ENGINEERING REGULATIONS PART 17 SPECIFICATIONS FOR SANITARY SEWERS

- 26.1 The following amendments modify, delete and/or add to Part 17 Specifications for Sanitary Sewers. Where any article, paragraph or subparagraph in the Part 17 Specifications for Sanitary Sewers is supplemented by one of the following paragraphs, the provisions of such article, paragraph, or subparagraph shall remain in effect and the amendment shall be considered as added thereto. Where any article, paragraph or subparagraph in Part 17 Specifications for Sanitary Sewers is amended, voided, or superseded by any of the following paragraphs, the provision of such article, paragraph or subparagraph not so amended, voided, or superseded shall remain in effect.
- 26.2 For this Part 17 the terms "City Engineer" and "Engineer" are defined to mean the City Engineer of the City of Columbia, SC, acting directly or through a duly authorized representative(s), such representative acting within the scope of particular assigned duties or authority.
- 26.2.1 The duly authorized representative(s) will be referred to as the Owner's Representative in these Special Provisions.
- 26.3 Amendments to Part 17 are as follows (to the maximum possible extent the numbering of the modified, deleted and/or added paragraphs are consistent with the method of numbering utilized in Part 17):

17.1.4 Sewer Pipe

This paragraph is deleted in its entirety and replaced with the following:

- 17.1.4 Sewer Pipe – Pipe for sanitary sewers shall be SDR polyvinyl chloride (PVC) pipe or, where indicated, ductile iron pipe. All pipes shall be first quality, with smooth interior and exterior surfaces, free from cracks, blisters, honeycombs and other imperfections, and true to theoretical shapes and forms throughout the full length. Pipe material shall be consistent from manhole to manhole unless approved by Owner's Representative. All pipes shall be subject to inspection by the Owner's Representative at the pipe plant, trench, or other point of delivery, for the purpose of culling and rejecting pipe, independent of laboratory tests, which do not conform to the requirements of these specifications. Such pipe shall be marked by the Owner's Representative and the Contractor shall remove it from the project site upon notice being received of its rejection.

17.1.4.1 Ductile Iron Pipe:

This subparagraph is deleted in its entirety and replaced with the following:

- 17.1.4.1 Ductile iron pipe shall be in accordance with ANSI A21.50/AWWA C150 and conform to the requirements of A21.51/AWWA C151, latest standards. All ductile iron pipes shall be manufactured in the United States of America.

17.1.4.2 SDR Polyvinyl Chloride (PVC) Pipe:
This paragraph is revised to read as follows:

17.1.4.2 As required by ASTM D3034-14a.

17.1.5 Water used for construction...when directed by the City Engineer.
This paragraph is deleted in its entirety and replaced with the following:

17.1.5 Utility Usage

17.1.5.1 The Contractor shall make his own arrangements for all utilities (e.g., water service connection, temporary electrical services, etc.) required for completion of the project.

17.1.5.2 In order for the contractor to withdraw water from the City water distribution system he shall first make application for a temporary hydrant meter. Applications for hydrant meters are taken at Special Services (front desk), 7th floor, Utilities and Engineering Department, 1136 Washington Street. The Wastewater Superintendent has waived all fees for such application for this project; however, the contractor shall be pay for water usage at the prevailing usage rates.

17.1.5.3 A hydrant meter shall be in use at all times the contractor is using water to clean a gravity sewer main.

17.1.5.4 Rules for use of hydrants and water:

17.1.5.4.1 Do not connect to any hydrant that has been painted "yellow" or "orange"

17.1.5.4.2 Minimize the use of hydrants by selecting one hydrant that is a centrally located within the limits of the project.

17.1.5.4.3 Slowly fill water trucks

17.1.5.4.4 Observe water to determine if it is clear after using the hydrant meter. Unclear water is to be reported to 545- 3300.

17.1.9 Pipe shall be so handled...satisfactory to the Engineer.
In the paragraph, "Engineer" is revised to read "Owner's Representative".

17.1.12 All pipe shall be laid...at the order of the Engineer.
In the paragraph, "Engineer" is revised to read "Owner's Representative".

17.1.12.1 Minimum depth of cover for any...or iron pipe is used.
This subparagraph is deleted in its entirety and replaced with the following:

17.1.12.1 Minimum depth of cover for any sanitary sewer main between manholes shall be 3' unless approved otherwise by the Owner's Representative.

17.1.12.2 Minimum distance from top of ring...shall be proportionately deeper.
This subparagraph is deleted in its entirety and replaced with the following:

- 17.1.12.2 Minimum distance from the top of ring to top of pipe for manholes shall be the depths shown on the Plans. In no case shall the cover over the pipe be less than 36" from proposed finished grade.

17.1.13 Ledge rock, boulders, and large stones ...or point of rock, boulder, or stone.
The first sentence is revised to read:

- 17.1.13 Ledge rock, boulders, and large stones shall be removed to provide a clearance of at least 6" below the bottom of the pipe bedding layer, pipe bedding layer is to be 6" thick.

17.1.14 The trench shall be dug ...closing of the next one.
The third sentence is revised to read:

It is essential that the discharge of trench dewatering pumps be conveyed to a point of positive discharge indicated in these Special Provisions or as authorized by the Owner's Representative.

17.1.15 The width of the trench...Contractor's unit bid prices.
The paragraph is revised to read:

- 17.1.15 The width of the excavation for trench shall be shall as indicated in subparagraph 17.3.7.3, Width of Excavation of these Special Provisions.

17.1.16 Construction in Easements
This paragraph's title is revised to read:

- 17.1.16 Construction in Easements Owned, Leased, or Operated by the City

The paragraph is revised to read:

- 17.1.16.1 The Contractor shall confine all his operations to City owned property or easements owned, leased, or operated by the City and he shall be responsible and liable for all damage outside of the easement area. The provisions above shall apply to all easement areas as well as to public rights-of-way.

- 17.1.16.2 In the event that, in the opinion of the Contractor, obtaining a temporary construction easement outside the limits of the right-of-way, or City owned property or easement(s) is necessary or desirable, it shall be the sole responsibility of the Contractor to obtain such temporary easement from the owner of the property.

If such easement is obtained by the Contractor it shall contain provision to hold the City harmless from any operations of the Contractor within the easement limits. The Contractor shall not conduct construction operations on private property outside the limits of the public right-of-way, or City owned property or easement(s) unless a copy of the Temporary Construction Easement Agreement is filed with the City.

- 17.1.16.3 Precautions shall be taken by adequate sheeting or other approved method to prevent any cave-in or disturbance beyond the easement limits or damage to

improvements within the easement. In general, the easement area is intended to provide reasonable access and working area for efficient operations to be performed within the restrictions shown on the plans. The Contractor shall be responsible for organizing his operations to perform within the restrictions shown on the Plans.

- 17.1.16.4 The Contractor is required to comply with the terms and provisions of these easements as though the easements had been issued in the name of the Contractor. Contractors are strongly advised to review easement documents for special conditions and requirements.
- 17.1.16.5 The Contractor shall make every effort possible to avoid removing any large trees, even when the trees are located in areas where easements have been obtained.
- 17.1.16.6 The Contractor shall restore all properties disturbed during construction to pre-existing or better conditions.
- 17.1.16.7 The Contractor will protect and avoid damage to all trees, shrubs, plants, fences, structures, and all other objects outside the right of way/easement limits due to construction operations. All damage will be repaired or restored at the Contractor's expense. Particular attention will be paid to avoid damage to trees, shrubs, bushes, and private property located next to rights of way/easements. No trees, plants, or other objects may be removed outside such limits without the prior written authorization of the Owner's Representative.
- 17.1.16.8 Wherever the underground installation of sanitary sewer facilities will go through surface improvements previously made by the City, other governmental bodies, or property owners, the Contractor will be responsible for their protection and preservation. This responsibility includes the removal and storage of such improvements to allow replacement and restoration as close as possible to the undisturbed condition.
- 17.1.16.9 There will be no separate pay items for meeting the above requirements. All cost for this work shall be included in other bid items.

17.1.17 Barricades, Guards, and Safety Precautions

This subparagraph is deleted in its entirety and replaced with the following:

- 17.1.17 Barricades, Guards, and Safety Precautions - To protect persons from injury and to avoid property damage, adequate barricades, construction signs, torches, lanterns and guards as required shall be place and maintained in accordance with the following:
 - 1. SC Department of Transportation:
 - a. *Standard Specifications for Highway Construction*, latest edition
 - b. *Utility Accommodation Policy*, latest edition
 - c. *Supplemental Specification Work Zone Traffic Control Requirements for Contractors/Subcontractors* dated September 1, 2013
 - d. *Rule on Work Zone Safety and Mobility Implementation, Maintenance*

and Safety Guidelines

2. US Department of Transportation, Federal Highway Administration
Manual on Uniform Traffic Control Devices, latest edition
3. US Department of Labor, Occupational Safety And Health Administration
29 CFR 1926 Subpart P -Excavations

17.1.18 Protection of Property and Surface Structures

This section is deleted in its entirety and replaced with the following:

17.1.18 Protection of Property and Surface Structures -- Trees, shrubbery, fences, signs, mailboxes, poles and all other property and surface structures shall be protected during construction operations unless their removal is authorized by the Owner's Representative. Any fences, signs, mailboxes, poles or other manmade surface improvements which are moved or disturbed by the Contractor shall be restored to their original condition, after construction is completed, at the Contractor's expense. Any trees, shrubbery or other vegetation which are approved or ordered for removal by the Owner's Representative shall be removed completely, including stumps and roots, by the Contractor. Responsibility for any damage or claims for damage caused by construction operations to shrubbery or other landscape improvements which were not authorized for removal by the Owner's Representative shall be assumed by the Contractor.

17.2.1 Ductile Iron Pipe

This section is deleted in its entirety and replaced with the following:

17.2.1 Ductile Iron Pipe - Ductile iron pipe shall be in accordance with ANSI A21.50/AWWA C150 and conform to the requirements of A21.51/AWWA C151, latest standards. All ductile iron pipe shall be domestically manufactured in the United States. Push-on and restrained joint pipe shall have a minimum rated working pressure of 150 psi. All buried pipe shall be pressure class as follows:

Bolts shall be coated with two coats of bituminous coating after each joint has been installed. Coating shall be of the same grade and quality as the coating on the outside of the pipe.

Acceptable products: American Cast Iron Pipe Company, Griffin Pipe Products Company, U.S. Pipe Company, McWane Cast Iron Pipe Company, or approved equal.

17.2.2 All pipes shall have... otherwise approved or specified.

This section is deleted in its entirety and replaced with the following:

17.2.2 The pressure class rating for buried pipe shall be as follows:

Pipe Sizes (inches)	Pressure Class (psi)
4-12	350
14-20	250
24	200
30-64	150

Ductile iron pipe and fittings for buried service shall receive a 1 mil asphaltic coating in accordance per AWWA C151/ANSI A21.51.

17.2.3 Joints shall be ...conform to AWWA C111.

This subparagraph is deleted in its entirety and replaced with the following:

Acceptable products: American Cast Iron Pipe Company, Griffin Pipe Products Company, U.S. Pipe Company, McWane Cast Iron Pipe Company, or approved equal.

17.2.4 The appropriate gaskets shall be ...ring type of full face.

This subparagraph is deleted in its entirety and replaced with the following:

17.2.4 Acceptable products: American Cast Iron Pipe Company, Griffin Pipe Products Company, U.S. Pipe Company, McWane Cast Iron Pipe Company, or approved equal.

17.2.5 Interior lining: Ductile iron pipe...as specified below:

This subparagraph is deleted in its entirety and replaced with the following:

17.2.5 Lining Materials: The manufacturer shall approve the applicator of the liner. The applicator shall install the liner in accordance with the manufacturers' specifications.

Acceptable products: Protecto 401 as manufactured by Induron Coatings (thickness of 40 mils), or approved equal.

17.2.5.2 The lining of the pipe...gasket seat for mechanical joints.

This subparagraph is deleted in its entirety and replaced with the following:

17.2.5.2 Vacant.

17.2.6 Lining Materials: Ductile...or an approved equal.

The following subparagraphs are deleted in their entirety:

17.2.6.2 Vacant

17.2.6.3 Vacant

17.2.8 Vitrified Clay Pipe

This subparagraph is deleted in its entirety and replaced with the following:

17.2.8 Ductile Iron Fittings - Fittings shall be pressure rated (DR & SDR rated) and have joints that match the type of pipe furnished (at a minimum) except as follows or as otherwise specified.

Fittings 6" and larger on PVC pipe installed underground shall be of the same PVC type as the pipe with joints to match the pipe being installed. Fittings 6" and larger installed above ground shall be ductile iron with flanged ends or restrained joints.

Fittings shall match the type of pipe (pressure rating and joint) and shall conform to the applicable sections of this specification for PVC pipe and PVC joints. The interior finish shall be smooth with no rough edges which may cause line stoppages. Saddle tees or saddle wyes shall not be permitted.

Ductile iron fittings shall have a minimum working pressure of 250 psi. Fittings shall conform to ANSI Specification A21.10 (AWWA C110), A21.11 (AWWA C111), A21.15 (AWWA C115) and/or A21.53 (AWWA C153). Fittings shall also be certified by ISO 9000 by an accredited registrar. Compact fittings shall normally be installed. Long body fittings shall be used where the drawings specifically call for long body fittings, where compact fittings are not available, or at the option of the Contractor when the laying length is not controlled by compact fitting patterns. All fittings shall be UL/FM approved and shall conform to NSF Standard 61, as applicable. All fittings furnished by the approved manufacturer shall be cast and machined at one foundry location to assure quality control and provide satisfactory test data. Fittings shall have cast on them the pressure rating, nominal diameter of openings, manufacturer's name, foundry location, plant code and degrees or fraction of the circle. Cast letters and figures shall be on the outside body of the fitting. The City may require random ductile testing of manufacturer's fittings. All ductile iron fittings shall be externally coated and internally lined as specified in this specification.

Acceptable providers of ductile iron fittings:

- a. American Cast Iron Pipe Company
- b. Clow
- c. Tyler Union
- d. U.S. Pipe and Foundry
- e. Star Pipe Products
- f. Sigma Corporation (Russell Pipe)
- g. Or approved equal

17.2.11 SDR Polyvinyl Chloride (PVC) Pipe

This section is deleted in its entirety and replaced with the following:

- 17.2.11 SDR Polyvinyl Chloride (PVC) Pipe – PVC pipe and fittings must meet ASTM D 3034-14a and shall be installed in accordance with ANSI/ASTM D 2321-14e1. Minimum wall thickness for PVC pipe shall be SDR 35 for all sanitary sewer mains and all sanitary sewer laterals less than 12 feet deep (ductile iron pipe is to be used at depths greater than 12 feet).

Acceptable providers of PVC pipe for gravity sewer mains (4-inch and larger):

- a. Charlotte Pipe
- b. Diamond Pipe

- c. JM Manufacturing
- d. National Pipe and Plastics
- e. North American Pipe Company
- f. Sanderson Pipe Co.
- g. Or approved equal

17.2.11.1 Flexible Compression, Factory Fabricated Joints

Coupling shall be compliant with ASTM C1173 and ASTM D5926.

Acceptable providers of shielded sewer couplings and transition fitting products:

- a. Flex-Seal® ARC Shielded Adjustable Repair Couplings as manufactured by Mission Rubber Company LLC
- b. Or approved equal

17.2.11.2 PVC Fittings:

Fittings shall be pressure rated (DR & SDR rated) and have joints that match the type of pipe furnished (at a minimum) except as follows or as otherwise specified.

Fittings 6" and larger on PVC pipe installed underground shall be of the same PVC type as the pipe with joints to match the pipe being installed. Fittings 6" and larger installed above ground shall be ductile iron with flanged ends or restrained joints.

Fittings shall match the type of pipe (pressure rating and joint) and shall conform to the applicable sections of this specification for PVC pipe and PVC joints. The interior finish shall be smooth with no rough edges which may cause line stoppages. Saddle tees or saddle wyes shall not be permitted.

17.2.11.2.1 PVC 1120, Class 160, SDR 26 Fittings:

Fittings shall meet the requirements of ASTM D3034 and ASTM F1336 for sizes 4 inch through 15" diameter and ASTM F679 and ASTM F1336 for 18" through 36" diameter with minimum wall thickness of SDR 26. Fittings shall be gasket joint type meeting the requirements of ASTM D3212. Elastomeric gaskets shall conform to ASTM F477 or ASTM F913. PVC material shall have a cell classification of 12454-B in accordance with ASTM D1784.

17.2.11.2.2 PVC 1120, Class 118, SDR 35 Fittings:

Fittings shall meet the requirements of ASTM D3034 and ASTM F1336 for sizes 4 inch through 15" diameter and ASTM F679 and ASTM F1336 for 18" through 36" diameter with minimum wall thickness of SDR 35. Fittings shall be gasket joint type meeting the requirements of ASTM D3212. Elastomeric gaskets shall conform to ASTM F477 or ASTM F913. PVC material shall have a cell classification of 12454-B in accordance with ASTM D1784.

17.2.11.2.3 Acceptable providers of PVC Gravity Fittings (SDR 26 and 35) products:

- a. GPK Products, Inc. (6" and larger)
- b. Harrington Corp. (Harco) (6" and larger)
- c. Multi Fittings (6" and larger)
- d. Tigre S/A (6" and larger)
- e. Or approved equal

17.2.15.2 Brick for manholes shall...conform to ASTM C32..

This subparagraph is deleted in its entirety and replaced with the following:

17.2.15.2 Brick for manholes shall be "Grade SS" and shall conform to ASTM C32.

7.2.16.3 Additional castings will be...for approval upon request

This subparagraph is deleted in its entirety and replaced with the following:

17.2.16.3 Access Frame and Cover - Access frame and cover shall have a 1/4" thick, mill finish, aluminum frame designed for surface mounting. Door panel shall be 1/4" aluminum diamond plate, reinforced to withstand a 10 foot column of stationary water, or approximately 625 lbs. psf. load rating, Uniform live load with a maximum allowable deflection of 1/150 of the span. The door shall incorporate a 90 degree return flange around the perimeter. Stainless steel pressure locks shall be provided to work in conjunction with a 1/4" thick neoprene compression gasket, mounted to the underside of the door, to insure minimal water intrusion and/or odor resistance. Door shall open to 90 degrees and automatically lock with a T-316 stainless steel hold open arm with aluminum release handle. Hinges and all fastening hardware shall be T-316 stainless steel. Unit shall lock with pad lock lugs.

Dimensions for the Access Frame and Cover are shown on the Plans in accordance with the construction details.

Acceptable access frame and cover products:

- a. Model No. F1R as manufactured by Halliday Products
- b. Or approved equal.

17.2.17 Drop Manholes

This subparagraph is revised to read:

17.2.17 Where the free drop of water in a manhole exceeds two feet, measured from the invert of the inlet sewer to the invert of the outlet sewer, the Contractor shall construct an outside drop manhole as shown on the Plans in the construction details. Materials and workmanship shall be in accordance with the General Specifications and these Special Provisions.

17.2.18 Precast Concrete Manhole Sections

This paragraph is deleted in its entirety and replaced with the following:

- 17.2.18.1 For this particular project precast concrete sections on the project are to be manufactured in a plant certified in the National Precast Concrete Associations (NPCA) Plant Certification Program.

Precast concrete members shall be designed and manufactured in accordance with the following:

ACI 318, Building Code Requirements for Structural Concrete and Commentary
ACI 350R, Code Requirements for Environmental Engineering Concrete Structures
ASTM C478, Standard Specification for Precast Reinforced Concrete Manhole Sections
ASTM C479, Standard Specification for Vitrified Clay Liner Plates
ASTM C913, Standard Specification for Precast Concrete Water and Wastewater Structures
ASTM C890, Standard Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete Water and Wastewater Structures

Precast concrete manhole system sections include:

Grade Rings
 Flat Slab Tops
 Risers and Conical Tops
 Transition Slabs
 Base Sections
 Steps and Ladders (not proposed for use on this project)

- 17.2.18.2 Structural design for precast concrete manhole system sections shall be signed and sealed by a Professional Engineer, registered in the State of South Carolina. Sealed, signed and dated copies of all such designs shall be submitted to the Owner's Representative for review and approval. Design must be submitted to the Owner's Representative as a submittal for approval; however, the submittal does not relieve the Contractor of his responsibility for the design.

Precast Manufacturer shall provide detailed structural design calculations for precast concrete manhole system sections, which shall include design criteria, calculations for live and dead loads, wall stresses, floatation, depth calculations, joint and reinforcement, and all others necessary for design.

Manholes shall be designed and manufactured in accordance with AASHTO HS-20 live load criteria. Reinforcing steel shall conform to ASTM A 615, Grade 60; wire mesh shall conform to the requirements of AASHTO M 55 and AASHTO M 221. All precast components shall be supplied from a single source precast manufacturer.

All precast components shall be supplied from a single source precast manufacturer.

Various test methods identified in ASTM C497, Standard Test Methods for Concrete Pipe, Manhole Sections, or Tile are to be used to test manhole sections

during production and acceptance.

Authority having jurisdiction may require one or more of these tests to be performed on a routine basis or that the manufacturer maintain current test result documentation.

- 17.2.18.3 Type II cement shall be used except as otherwise approved.
- 17.2.18.4 Manhole steps are addressed under subparagraph 17.2.16.4 of these Special Provisions.
- 17.2.18.5 Precast structures may be transported to the contract site when concrete has cured to minimum of 80 percent of design strength or the protective liner has cures, whichever of the two is the longer period.
- 17.2.18.6 New manholes shall be lined to resist corrosion from a sanitary sewer environment
- 17.2.18.7 For risers and conical tops the minimum wall thickness shall be:
 - 5' Diameter – 6" minimum wall thickness
 - 8' Diameter – 9" minimum wall thickness
 - 10' Diameter - 11" minimum wall thickness
 - Or approved differing thickness for a given manhole diameter.
- 17.2.18.7.1 Conical tops shall be of the eccentric type except where flat slabs are called for on the Plan in accordance with the construction details.
- 17.2.18.7.2 Risers and conical tops shall be designed and manufactured tongue and groove joints.

Joints for round and square manhole structures shall be sealed with butyl rubber sealants conforming to ASTM C990, *Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants*. Rubber gaskets and sealants shall be installed according to the manufacturer's recommendations.

Acceptable product: ConSeal™ CS-202 Butyl Rubber Sealant as manufactured by Concrete Sealants, Inc., or approved equal.
- 17.2.18.8 No more than two lift holes may be cast or drilled in each section. Lift holes are not to extend through the wall. Lift holes are to be filled with non-shrink grout.

Bent reinforcing steel bars shall not be used as lifting devices.
- 17.2.18.9 The products shall be marked with ASTM designation, date manufactured and manufacturer's name or logo.
- 17.2.18.10 All concrete used in manhole construction shall have a minimum compressive strength of four thousand (4,000) psi at twenty-eight (28) days. Strength determination shall be in accordance with ASTM C39, *Standard Test Method for*

Compressive Strength of Cylindrical Concrete Specimens unless otherwise approved by the Owner's Representative.

- 17.2.18.11 For grade rings the minimum wall thickness shall be 1/12 of the internal diameter of the grade ring or 4", whichever is greater. Grade rings are not required to have a male/female joint.

- 17.2.18.12 Flat slab tops shall be designed in accordance with ACI 318, *Building Code Requirements for Structural Concrete and Commentary*. Acceptance is to be based upon Proof-of-Design testing as outlined in ASTM C497, *Standard Test Methods for Concrete Pipe, Manhole Sections, or Tile*.

- 17.2.18.12.1 Slab Thickness:

For risers 48" in diameter and smaller, minimum of 6".
For risers larger than 48" in diameter, minimum of 8".

Access opening is to match the clear opening of the access frame and cover.

- 17.2.18.12.2 Base Section:

The base slab and the riser wall shall be cast monolithically.

Slab Thickness: For this particular project the thickness of the base slab shall be as follows:

Manhole Minimum Base Slab Thickness

Inside Diameter	Minimum Base Slab Thickness
5 foot	8"
8 foot	12"
10 foot	12"

Or approved differing thickness for a given manhole diameter.

Round Manhole Bases: The top of the base slab shall be a minimum of 6" in depth below the bottom of the pipe.

Base Diameter: The minimum base diameter shall be 12" greater than the outside diameter of the manhole. Final base diameter depends upon the requirements to achieve anti-flotation.

Round manhole bases shall be sized to allow for proper seat of standard mechanical boot type pipe to manhole connectors, conforming to ASTM C923.

- 17.2.18.13 Alternate T-Base Manhole Bases:

Supplier of alternate manhole base structures shall be manufacturer of entire structure.

- 17.2.18.14 Round and square manholes shall be suitably matched to the type, diameter, and alignment of the conveyance pipe. The precast manufacturer is to advise both the Owner's Representative and Contractor in writing when he has cause to suspect that a long term and watertight connection cannot be achieved between a precast manhole of specified diameter and conveyance pipes due to the:

Diameter of the conveyance pipes
Entry angles of the conveyance pipes
Other conditions

- 17.2.18.15 Benched Inverts: The slope shall be a minimum of 1 inch per foot from the channel to the inside diameter (ID) of the riser wall for the benching.

Channel invert depth shall be equal to the pipe ID.

Secondary poured channels shall have a minimum thickness under the invert of 2".

The width of the channel at the top of benching shall be at a minimum equal to the pipe ID.

Secondary poured channels shall have a minimum thickness under the invert of 2".

The width of the channel at the top of benching shall be at a minimum equal to the pipe ID.

Minimum channel centerline radius shall be equal to the pipe ID.

Invert channels shall be constructed with smooth and carefully shaped bottoms, Built-up sides and benching using 3,000 psi concrete with no voids. No brick shall be used to construct channels or benching.

Use Portland Cement Type II only.

Prior to constructing the bench and forming the invert inside the manhole, the Contractor shall wrap, adhere and clamp (with stainless steel clamps) a strip of fabric-backed smooth HDPE to the top half of the ends of the pipes that enter the manhole. After the pipes are grouted in place, a smooth strip of HDPE shall be used to bridge the grouted gap between the HDPE strip on the pipe and the lined walls of the manhole.

- 17.2.18.16 Transition slabs are to be incorporated above a larger base section to utilize smaller riser sections. Transition slabs shall have a concrete compressive strength at least equal to the twenty-eight (28) day minimum compressive strength of the concrete used in the manufacture of the precast concrete sections. The opening in the transition slab is to be eccentric so as to be in vertical alignment with the above access frame and cover.

The transition slab is to be designed and manufactured by the precast concrete manhole manufacturer.

- 17.2.18.17 The precast reinforced concrete structures shall be manufactured by:

Tindall Corporation, Hanson Pipe and Products Carolina, Oldcastle Precast, or approved equal with the following stipulation.

To be a provider of precast concrete manhole components: the precast concrete manhole manufacturer shall be certified by the protective liner manufacture as having a minimum of five years of manufacturing experience, and a minimum of five years' experience in the installation of corrosion resistant HDPE sheet liners in concrete structures similar in size to the precast concrete manhole system sections to be used on this project. Contractor to submit this documentation to accompany the precast manufacturer's product data, instructions, recommendations, shop drawings, and certifications are submitted to the

- 17.2.18.18 Certain manholes located within the 100-year flood plain shall be provided with vent pipes. Manholes to receive vents are shown on the Plans in accordance with the construction details.

Turn downs on the vent pipe shall be located a minimum of 1 ft. above 100 year flood plain.

- 17.2.18.19 Manholes located within the 100-year flood plain shall be waterproofed by wrapping the individual joints with Conwrap, Conseal, or approved equal. Waterproofing measures shall be approved by the Owner's Representative prior to backfill.

- 17.2.18.20 Doghouse manholes are to be installed where shown on the Plans in accordance with the construction details. The existing sewer pipe is to remain intact until such time as the manhole has been accepted for service.

Bases for saddle manholes may be constructed in place using 4,000 psi concrete. The base shall be a minimum of 12" thick with #5 rebars spaced 6" on center both ways. A leveling bed of SCDOT Aggregate No. 57 having a minimum of thickness of 12" shall be placed and compacted under all bases. The coarse aggregate must extend a minimum of 12" beyond the outside diameter of the manhole base slab.

- 17.2.18.20.1 Existing sewer pipe to remain until satisfactory completion of manhole testing.

- 17.2.18.20.2 Crown of existing pipe shall be flush with concrete shelf that is formed within the manhole.

17.3.2 Excavation in Advance of Construction

In the paragraph, "Engineer" is revised to read "Owner's Representative".

17.3.3 Use of Explosives

In the paragraph, "Engineer" is revised to read "Owner's Representative" and the following new paragraph is inserted after the first paragraph:

- 17.3.3 Use of Explosives - Should the Contractor elect to use explosives to loosen rock

or other unyielding material for any other purposes in the prosecution of the work, he shall obtain the required permits and the written permission of the City of Columbia. If construction is in the City limits, the Contractor shall notify the Fire Chief and Police Chief. If construction is to occur in Richland or Lexington Counties, the Contractor shall be responsible for determining whether a County permit is required and for obtaining any permit so required.

No blasting shall be allowed unless a galvanometer is employed to check cap circuits. Where blasting takes place within 500 ft. of a utility, structure, or property which could be damaged by vibration, concussion, or falling rock, the Contractor shall be required to keep a record of the blasting.

17.3.5 Connections to Other Sewers or to Appurtenances

In the paragraph, "Engineer" is revised to read "Owner's Representative".

17.3.6 Sewer Grades

This subparagraph is deleted in its entirety and replaced with the following:

17.3.6 Sewer Grades - The grade line shown on the Plans is the elevation of the invert or flow line of the sewer.

Construction of the grade line in the field shall not deviate from the grade line shown on the Plans. Failure to attain the grade line will result in a rejection of an inaccurately set pipe segment(s). Cost to uncover and set the pipe to the grade line shall be completely absorbed by the Contractor.

17.3.6.1 The use of blocking to adjust pipe grade(s) shall not be allowed.

17.3.6.2 Unless otherwise specified, the Contractor shall set construction stakes as necessary to establish lines, slopes, centerline of sewer pipe, limits of easement, a bench mark adjacent to the work, and vertical control elevations for invert or flow lines. The Plans provide the Contractor with all necessary information relating to lines, slopes, and grades. Using the control lines and grades presented in the contract drawings, the Contractor is responsible for completing the layout and performing the work.

17.3.6.3 In setting lines, slopes, and grades the Contractor shall perform the work with laser levels.

17.3.7 Excavation and Backfill

The following new paragraphs are inserted after the first paragraph:

The Contractor shall excavate, construct and place all pipelines, concrete work, fill and bedding rock, in-the-dry. In addition, the Contractor shall not make the final 24" of excavation until the water level is a minimum of 2' below proposed bottom of excavation. The Owner's Representative reserves the right to ask the Contractor to demonstrate that the water level is a minimum of two feet below proposed bottom of excavation before allowing the construction to proceed.

When unsuitable bearing materials such as water, silt, muck, trash, debris

or rock in ledge, boulder or coarse gravel (particle size larger than 1 - ¾") is encountered at the subgrade, the Contractor shall immediately notify the Owner's Representative and cease operations in the immediate vicinity. After being authorized by the Owner's Representative, the Contractor shall overexcavate and remove such materials. The Owner's Representative will advise the Contractor the length, width, and depth of the overexcavation and the type of suitable material to replace the removed unsuitable material.

The presence of excessive moisture in a material is not, by itself, sufficient cause for determining that the material is unsuitable. If the material can be placed on the surface and suitably dried prior to incorporation in the work, the material may be considered by the Owner's Representative to be suitable for use.

During excavation the Contractor may encounter abnormal conditions. Abnormal conditions may include, but are not limited to, the following:

- a. Presence of asbestos,
- b. Presence of barrels,
- c. Discolored earth, metal, wood, etc.,
- d. Obnoxious or unusual odors,
- e. Visible fumes,
- f. Excessively hot earth,
- g. Smoke, or
- h. Any other condition appearing abnormal could be a possible indication of hazardous and/or toxic waste.

Treat the encountered conditions with extraordinary caution. Make every effort to minimize the spread of contamination into uncontaminated areas. Immediately provide for the health and safety of all workers at the job site and make provisions necessary for the health and safety of the public that may be exposed to any potentially hazardous conditions. Ensure provisions adhere to all applicable laws, rules or regulations covering potentially hazardous conditions and will be in a manner commensurate with the gravity of the conditions.

The Owner's Representative will coordinate any assessment and remediation, if required.

Do not resume operations in the affected area until so directed by the Owner's Representative.

The Owner's Representative will advise the Contractor when operations may resume in the affected area.

Where the Contractor performs necessary work required to dispose of these materials, payment is made at the contract unit price for items applicable to such work or payment is made in accordance with the following:

- a. If there is unforeseen work for which there is no bid price included in the Contract and the City of Columbia deems it necessary or desirable to complete the work as contemplated and to perform such extra work in accordance with the specifications and as directed, a Change Order will

be entered into or a Force Account Work Order will be issued before any extra work is started.

- b. In a Change Order, the Contractor's markup for the cost of work performed by subcontractors may not exceed 10.0 percent. At the request of the Owner's Representative, make cost records available to the extent necessary to determine the validity and amount of each item claimed.

Should the disposition of hazardous and/or toxic waste material require special procedures by certified personnel in accordance with requirements and regulations of the SCDHEC, the Owner's Representative will resolve the matter.

17.3.7.3 Width of Excavation

The paragraph is deleted in its entirety and is replaced with the following:

- 17.3.7.3 Width of Excavation - Excavate trenches to the required grade and to a width sufficient to allow for proper jointing of the pipe and for thorough compaction of the bedding and backfill material under and around the pipe. Determine trench excavations widths using the following schedule as related to pipe outside diameter (O.D.)

Nominal Pipe Size (in inches)	Minimal Total Trench Width (in inches)
Less than 18	O.D. + 18
18 to 30	O.D. + 24
30 to 42	O.D. + 36
≥ 42	O.D. + 48

With the prior approval of the Owner's Representative, the Contractor may observe a different minimum trench width to safely fit compaction equipment and personnel between the pipe and the trench walls.

Use sufficient trench width or benches above embedment zone for installation of any well point headers or manifolds and pumps where depth of trench makes it uneconomical or impractical to pump from surface elevation. Provide sufficient space between shoring cross braces to permit equipment operations and handling of forms, pipe, embedment and backfill and other materials.

17.3.7.3.1 When construction is under...the minimum trench widths:

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.3.1 Width of trench is addressed under subparagraph 17.3.7.3 of these Special Provisions.

17.3.7.3.2 When construction is under...the minimum trench widths:

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.3.2 Width of trench is addressed under subparagraph 17.3.7.3 of these Special Provisions.

17.3.7.3.4 Trench sheeting and bracing...to the details shown on the plan.
This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.3.4 When performing trench excavation in excess of 5 feet in depth, comply with the Occupational Safety and Health Administration's (OSHA) trench safety standards, 29 C.F.R., s. 1926.650, Subpart P, and all subsequent revisions or updates adopted by the SC Department of Labor, Licensing and Regulation. Ensure that trench boxes are wide enough to accommodate compaction and density testing.

Submission of bid and subsequent execution of the Contract will serve as certification that all trench excavation in excess of 5 feet in depth will be in compliance with 29 C.F.R. 1926.650, Subpart P.

Consider all available geotechnical information available when designing the trench excavation safety system.

Consider these and any more stringent trench safety standards as minimum Contract requirements.

OSHA 29 C.F.R.1926.650, Subpart P is hereby incorporated into these Specifications and Special Provisions by reference.

17.3.7.4 Excavation Below Grade

This subparagraph is revised to read:

- 17.3.7.4 Excavation Below Grade – Where the excavation is carried beyond or below the lines and grades given on the Plans, the Contractor shall, at his expense, refill all such excavated space with material as approved by the Owner's Representative.

17.3.7.5 Rock Excavation

This subparagraph is revised to read:

- 17.3.7.5. Rock Excavation - Rock excavation shall consist of igneous, metamorphic and sedimentary rock, hardpan, concrete or masonry, or other unyielding material which cannot be excavated without blasting or the use of rippers, hoe-rams, or pavement breakers and all boulders or other detached stones each having a volume of ½ cubic yard or more as determined by physical or visual measurement.

17.3.7.5.2 Before rock excavation...payment prior to excavation.

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.5.2 Before payment is allowed for rock excavation, the Contractor may be required to demonstrate to the Owner's Representative that the material cannot be removed "by hand pick" or by power operated excavator or shovel weighing at least 50,000 pounds and having at least 140 net horsepower equipped with a

ripper or similar approved equipment without prior systematic drilling and blasting or breaking with power-operated rock excavation tools.

The Owner's Representative may waive the demonstration if the material encountered is well defined rock.

No payment will be made for Rock Excavation unless the Owner's Representative determines that the material meets the above criteria, and gives written approval for payment prior to excavation.

Where rock excavation is required:

- a. Remove the rock to provide the minimum clearances indicated in paragraph 17.1.13 of these Special Provisions.
- b. Pipe bedding is to be constructed as shown on the Plans in the construction details.

Excavate and remove the overburden and expose the rock to allow the Owner's Representative to measure the rock prior to removal.

17.3.7.5.3 Should the contractor elect...blasting or accidental explosions.
This subparagraph is deleted in its entirety and replaced with the following:

Use of Explosives is addressed under subparagraph 17.3.3 of these Special Provisions.

17.3.7.5.4 Blasting for excavation...regulations listed in item 3.7.5
This subparagraph is deleted in its entirety and replaced with the following:

17.3.7.5.4 Vacant

17.3.7.6 Subsurface Exploration
This first sentence is revised to read:

Pertinent information available to the City of Columbia regarding subsurface conditions within or near the limits of the project has been included in the appendices of the Project Manual.

17.3.7.7 Exploratory Excavation
This subparagraph is deleted in its entirety and replaced with the following three subparagraphs:

- 17.3.7.7.1 Whenever, in the opinion of the Owner's Representative, it is necessary to explore and excavate to determine the best line and grade for construction of the proposed pipe line, the Contractor shall make explorations and excavations for such purposes.
- 17.3.7.7.2 The Owner's Representative may request "potholing" which is interpreted to mean the use of coring, vacuum excavation or other similar means of exposing and determining horizontal and vertical distances to buried utilities.
- 17.3.7.7.3 All cost for implementation of Exploratory Excavation shall be included in Pay Item 6 – Ductile Iron Pipe Gravity Sewer.

17.3.7.8 Braced and Sheeted Trenches

This subparagraph is deleted in its entirety and replaced with the following:

17.3.7.8 Excavation and Trenching

- 17.3.7.8.1 Open-cut trenches shall be shored, shielded, or sloped and benched or otherwise protected as required by any governing federal or state laws and municipal ordinances, and as may be necessary to protect life, property, or the work. Comply with the most recent provisions of 29 CFR 1926, Subpart P – Excavations, Trenching and Shoring of the Occupational Safety and Health Administration (OSHA).
- 17.3.7.8.2 For the purposes of this project, the following definitions are provided:
- 17.3.7.8.2.1 Shoring Types: Shoring is the provision of a support system for trench faces used to prevent movement of soil, underground utilities, roadways, and foundations. Shoring or shielding is used when the location or depth of the cut makes sloping back to the maximum allowable slope impractical. Shoring systems consist of posts, wales, struts, and sheeting. There are two basic types of shoring, timber and aluminum hydraulic.
- 17.3.7.8.2.2 Sloping and Benching:
- A. Sloping. Maximum allowable slopes for excavations less than 20 ft. based on soil type and angle to the horizontal.
 - B. Benching. There are two basic types of benching, simple and multiple. The type of soil determines the horizontal to vertical ratio of the benched side.
- 17.3.7.8.2.3 Shielding Types: Trench shield (Trench Box) is used to protect workers from cave-ins and similar incidents. Shields may not be subjected to loads exceeding those which the system was designed to withstand. A trench shield is a prefabricated movable structure.
- 17.3.7.8.3 If required by the Special Provisions, the Contractor is to prepare a written Excavation/Trenching Plan which is to be submitted to the Owner's Representative for acknowledgement prior to beginning operations. At a minimum, the Excavation/Trenching Plan shall include:
- A. Conditions: For excavations/trenches less than 5 ft. in depth, plan is optional. For excavations or trenches greater than 5 ft. in depth a Plan is required;
 - B. Identification and credentials of Competent Person;
 - C. Diagram or sketch of the area where the work is to be done with adjacent and nearby structures shown;
 - D. Projected depth of the excavation;
 - E. Protection of adjacent utilities
 - F. Projected soil type and method of testing to determine soil type;
 - G. Planned method of shoring, sloping and/or benching;
 - H. Planned method for confined space entry, trench access and egress and atmospheric monitoring processes;

- I. Location of utility shut offs (if required);
- J. Proposed methods for preventing damage to overhead utility lines, trees designated to remain, and other man-made facilities or natural features designated to remain within or adjacent to the construction rights-of-way;
- K. Plan for management of excavated soil/asphalt/concrete;
- L. Dewatering plan
- M. Protection of temporary bypass force main
- N. Plan for traffic control
- O. Dewatering

17.3.7.9 Trenches With Sloping Sides, Limited

This subparagraph is deleted in its entirety and replaced with the following:

17.3.7.9 Comply with 29 C.F.R. 1926.650, Subpart P.

17.3.7.11 Piling Excavated Material

The following new paragraph is inserted after the first paragraph:

17.3.7.11.2 Excavated material shall be placed at least 2 ft. from the edge of an excavation and trench or shall be retained by devices that are sufficient to prevent the materials from falling into the excavation or trench. In any case, material shall be placed at a distance to prevent excessive loading on the face of the excavation.

17.3.7.14 Deviations Occasioned By Other Structures or Utilities

In the paragraph, "Engineer" is revised to read "Owner's Representative".

17.3.7.15.1 The Contractor shall take...thereof prior to excavation

The second paragraph is revised to read as follows:

17.3.7.15.1 The Contractor shall take all reasonable precautions against damage to existing utilities. However, in the event of a break in an existing water main, gas main, sewer or underground cable, he shall immediately notify the Owner's Representative and the responsible official of the organization operating the utility interrupted. The Contractor shall lend all possible assistance in restoring service(s) and shall assume all cost, charges or claims connected with the interruption and repair of such service(s) if the location of said utility was marked by the City of Columbia or "South Carolina 811" thereof or prior to excavation.

17.3.7.16 Backfill

This section, including its title, is deleted in its entirety and replaced with the following:

17.3.7.16 Bedding and Backfill

17.3.7.16.1 For the purposes of this particular project, the following definitions are provided:

- a. Bedding is the prepared soil or aggregate on which the utility pipe is to be placed for support.
- b. Backfill is the material used to fill a trench or excavation above the bedding zone.

- c. Native material is soil material excavated from within the limits of the trench or excavation.
- d. Satisfactory materials comprise any materials classified by ASTM D2487 as GW, GP, GM, GP-GM, GW-GM, GC, GP-GC, GM-GC, SW, SP, free of debris, roots, wood, scrap material, vegetation, refuse, soft unsound particles, and deleterious, or objectionable materials.
- e. Select material as identified elsewhere in this subparagraph.
- f. Springline is an imaginary horizontal line located at the vertical mid-point of the pipe's diameter.
- g. Unsatisfactory materials are those materials which do not comply with the requirements for satisfactory materials. Unsatisfactory materials also include man-made fills; trash; refuse; backfills from previous construction; and material classified as satisfactory which contains root and other organic.

No soil is to be considered "unsuitable" until declared as "unsuitable" by the Owner's Representative.

- h. Unstable Material Unstable materials which are too wet to properly support the utility pipe, conduit, or appurtenant structure.

- 17.3.7.16.2 Provide buried utility lines with utility identification tape. Bury tape directly approximately 12" above the top of the pipe.
- 17.3.7.16.3 Backfill as rapidly as construction, testing, and acceptance of work permits. Backfill to the original ground surface or subgrade surface of openings made for structures, with a sufficient allowance for settlement. The Owner's Representative may require that the material used for backfill be obtained from a source entirely apart from the project.
- 17.3.7.16.4 Do not place backfill against any masonry or poured in-place concrete structure until the Owner's Representative has given permission to do so, and in no case until the masonry or concrete has been in place seven days or until the specified 28-day compressive strength occurs.
- 17.3.7.16.4 Pipe trench zones:
 - 17.3.7.16.4.1 Overexcavation: if it exists, this is backfill to create a firm and level subgrade for the pipe. The thickness of over depth is established by the findings of the geotechnical subsurface investigation and the type of material comprising the pipe.
 - 17.3.7.16.4.2 Bedding: Above Overexcavation is Bedding. Bedding consists of the aggregate or soil upon which the pipe is to be directly laid and supported. The thickness of the bedding shall be as shown on the Plans in accordance with the construction details.
 - 17.3.7.16.4.3 Haunching: Backfill placed between the bedding and springline of the pipe.
 - 17.3.7.16.4.4 Initial Backfill: Backfill placed from the pipe's springline upward to 1 foot above the outside crown of the pipe.

17.3.7.16.4.5 Final Backfill: Backfill placed from 1 foot above the outside crown of the pipe to a specified grade as indicated on the Plans in accordance with the construction details.

17.3.7.16.5 Backfilling of trenches:

17.3.7.16.5.1 Overexcavation: the lowest zone is backfilled for deep cuts up to with 6" of the bottom of the pipe

Excavation of material claimed as rock shall not be performed until the material has been cross-sectioned by the Owners Representative.

17.3.7.16.5.2 Bedding: Bedding material is to be of the type specified on the Plans in accordance with the construction details. Usually it will be the backfill which is the 6" of material below the bottom of the pipe and above the overexcavation. Place bedding material to the thickness indicated on the Plans in accordance with the construction details.

Initially, place and compact bedding material to achieve two-thirds (2/3) of the total bedding thickness. Loosely place the remaining bedding material to achieve a uniform "soft" bottom in which to seat pipe invert (bottom).

17.3.7.16.5.3 Haunching: Backfill material is to be of the type specified on the Plans in accordance with the construction details. Place the material in horizontal layers not exceeding 6" (loose measure). Evenly deposit on both sides of the pipe. Hand tamp material below the pipe springline.

17.3.7.16.5.4 Initial Backfill: Backfill material is to be of the type specified on the Plans in accordance with the construction details. Place material in horizontal layers not exceeding 6" (loose measure). Evenly deposit on both sides of the pipe. Hand tamp material above the springline of the pipe to 12" above the crown of the pipe.

17.3.7.16.5.5 Final Backfill: Backfill material from top of Initial Backfill to the subgrade elevation of the pavement, bottom of sod, or to the original ground surface. Material is to be type of the type specified on the Plans in accordance with the construction details. Backfill material shall be placed in uniform layers of 6" (loose measure) and each layer shall be compacted with power driven hand tampers suitable for the material being compacted. Final backfill material to be compacted as shown on the Plans in accordance with the construction details.

17.3.7.16.5.6 Compaction Above Semi-Rigid and Flexible Pipe: Use of compaction equipment directly above semi-rigid and flexible pipe should be avoided until sufficient backfill has been placed to ensure that the equipment will not damage the pipe. A minimum of 36" of compacted backfill above the top of semi-rigid and flexible pipe shall be in place before wheel loading and a minimum of 48" of compacted backfill before use of pneumatic tampers.

17.3.7.17 Selected Granular Fill

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.17 Selected Granular Backfill – Material conforming to this subparagraph for selected aggregate backfill shall be placed and compacted in the locations shown on the Plans in accordance with the construction details. Where sewers, water mains, or other pipe conduits are constructed under permanent type pavements, driveways or sidewalks, selected granular backfill shall be used to fill the trench to the elevation shown on the Plans in accordance with the construction details.

17.3.7.17.1 Materials for selected granular...and other objectionable matter
This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.17.17.1 Materials for Selected Granular Backfill and Granular Cradle Gradations shall be in accordance with SCDOT, *Standard Specifications for Highway Construction* (latest edition).

Selected granular backfill shall be reasonably free from an excess of soft and unsound particles and other objectionable matter.

17.3.7.17.1.1 SELECTED GRANULAR BACKFILL

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.17.1.1 Select coarse and fine aggregate material shall be selected from SCDOT, 2007 *Standard Specifications for Highway Construction* (latest edition):

- a. Gradation of Coarse Aggregates, Page A-4.
- b. Gradation of Fine Aggregates, Page A-5.

17.3.7.17.1.2 Granular materials from local...for selected granular backfill
In the subparagraph "Engineer" is revised to read "Owner's Representative".

17.3.7.18 Granular Cradle

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.18 Granular Cradle – Granular cradle shall be required only where indicated on the Plans in accordance with the construction details or where ordered by the Owner's Representative. Material for granular cradle shall be of the type indicated on the Plans in accordance with the construction details or where ordered by the Owner's Representative. Granular cradle shall be well graded within the limits stated below and shall be free from excess of soft or unsound particles or other objectionable matter.

Granular cradles shall be formed from the materials identified in subparagraph 17.3.17.1 of these Special Provisions.

17.3.7.18.1 For reasonably good non-granular...is allowed for payment
This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.18.1 The material to be used in a granular cradle shall be based upon the findings of a subsurface geotechnical investigation and the material comprising the pipe.

17.3.7.18.1.1 Granular Cradle Gradations

This subparagraph is deleted in its entirety and replaced with the following:

17.3.7.18.1.1 Vacant.

17.3.7.19 Unsuitable Soil

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.19 Unsuitable Soils - Only the Owner's Representative is authorized to declare that a soil material is an unsuitable backfill material for purposes of measurement and payment.
- 17.3.7.19.1 Authorized additional excavation is the removal of additional material authorized by the Owner's Representative based on the determination by the project soils testing agency that unsuitable bearing materials are encountered at required sub-grade elevations. Removal of unsuitable material and its replacement as directed will be paid on basis of conditions of the Contract relative to changes in work.
- 17.3.7.19.2 Unauthorized excavation is the removal of alleged unsuitable material or removal of suitable or declared unsuitable materials beyond indicated sub-grade elevations or dimensions before receiving written authorization from the Owner's Representative. No payment will be made for unauthorized excavation or remedial work required to correct unauthorized excavation.

17.3.7.20 Concrete Cradle

In the subparagraph "Engineer" is revised to read "Owner's Representative".

17.3.7.21 Compacting Backfill

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.7.21 Compacting Backfill-When called for on the Plans in accordance with the construction details, trench backfill shall be compacted by hand tamping in the pipe envelope and mechanical tamping from one foot above the crown to pipe to the top of final backfill.

17.3.7.21.1 Jet Holes

This subparagraph, including title, is deleted in its entirety and replaced with the following:

17.3.7.21.1 Vacant.

17.3.7.21.2 Water Soaking

This section including title is deleted in its entirety and replaced with the following:

17.3.7.21.2 Vacant.

17.3.7.22 Unsuitable Backfill Material

This subparagraph is deleted in its entirety and replaced with the following

- 17.3.7.22 Unsuitable Backfill Material- Where there is a deficiency of suitable backfill material available for backfill bring the matter to the immediate attention of the Owner's Representative.

- 17.3.7.22.1 Borrow: means earth or rock material acquired from a source other than the original trench or excavation.
- Use borrow only when authorized by the Owner's Representative in writing. Do not haul borrow material to the work site until so ordered by the Owner's Representative, and then only use material from a source approved by the Owner's Representative.
- 17.3.7.22.2 The Owner's Representative shall be notified of the intended borrow source two weeks in advance of when the material will be used to allow time for sampling and testing. The Contractor shall designate an analytical and geotechnical laboratories, acceptable to the Owner's Representative, and be responsible for all costs associated with the testing for quality control requirements. Responsibilities shall include excavation of all test holes and sampling and delivery of all materials to the quality control laboratory.
- All test results shall be submitted to the Owner's Representative prior to placement of any material in the work zone.
- 17.3.7.22.3 Soils brought in from off site for use as backfill shall be tested for TPH, BTEX and full TCLP including ignitability, corrosivity and reactivity. Backfill shall contain less than 100 parts per million (ppm) of total petroleum hydrocarbons (TPH) and less than 10 ppm of the sum of Benzene, Toluene, Ethyl Benzene, and Xylene (BTEX) and shall not fail the TCPL test. TPH concentrations shall be determined by using EPA 600/4-79/020 Method 418.1. BTEX concentrations shall be determined by using EPA 530/F-93/004 Method 5030/8020. TCLP shall be performed in accordance with EPA 530/F-93/004 Method 1311.
- 17.3.7.22.4 Provide Borrow Site Testing for TPH, BTEX and TCLP from a composite sample of material from the borrow site, with at least one test from each borrow site. Material shall not be brought on site until tests have been approved by the Owner's Representative.
- 17.3.7.22.5 Borrow may be measured by volume of the hauling vehicle.

17.3.10 Removal of Pavement, Sidewalk, Driveway and Curb

This subparagraph is revised to read as follows:

- 17.3.9 Removal of Pavement, Sidewalk, Driveway and Curb – Wherever improvements are located along or across an improved surface, the width of the trench shall be held as nearly as possible to the width specified. Where brick or concrete pavement, sidewalk, driveway or curbing is cut, the width of the cut will exceed the actual width of the top of the trench, in accordance with the construction details. Exposed surfaces of asphaltic concrete shall be cut along a neat trim and true line.

Entire sections of a concrete sidewalk slab, driveway and curb between joints shall be removed.

17.3.12 Sewer Pipe Laying

This subparagraph is deleted in its entirety and replaced with the following

- 17.3.12.1 All pipe laid shall be retained in position so as to maintain alignment and joint closure until sufficient backfill has been completed to adequately hold the pipe in place. All pipe shall be laid to conform to the prescribed line and grade shown on the Plan.

The Contractor is to use a laser beam to set line and grade for the sewer by using the laser beam coaxially through the center of the pipe being laid. The laser beam projector is to be rigidly mounted to its support platforms, with a two-point suspension, or equivalent, assuring that all ground and equipment vibrations are kept to an absolute minimum. All equipment including equipment necessary to control atmospheric conditions in the pipe to keep line and grade to the standard of accuracy shall be furnished by the Contractor. The laser beam system must be operated by competent experienced individuals who have been properly trained to operate the equipment used.

Check grade at set-up point, 25 foot, 50 foot, 100 foot and 200 foot points thereafter to the next set-up point. Reset projector advancement at each manhole.

Invert elevations of joined pipe sections are to be incrementally recorded as pipe is laid. Invert elevations are to be recorded by a professional land surveyor registered in the State of South Carolina. These invert elevations are to be submitted to the Owner's Representative with the Contractor's monthly application for payment.

- 17.3.12.2 In paragraph 17.3.6 of these Special Provisions it was stated that the grade line shown on the Plan is the elevation of the invert or flow line of the sewer pipe.

It is a requirement of this particular project that construction of the grade line in the field be identical to the grade line shown on the Plans. Failure to comply with this requirement will result in a rejection of all noncompliant pipe segment(s). All labor, material and equipment cost to uncover and set the pipe to the grade line shall be completely absorbed by the Contractor.

Unless otherwise approved by the Owner's Representative, all sewer grades shall be established by the use of an approved laser beam method. An above ground method shall not be used.

- 17.3.12.3 Sewer Pipe Laying: Gravity sewer pipe installation must comply with ANSI/ASTM D2321 as the minimum acceptable standard as well as any additional requirements as stated herein.

- 17.3.12.3.1 Inspect pipe for damage. Remove damaged and unacceptable pipe. Keep interior and joint surfaces clean and free of foreign materials. Install a mechanical joint or push-on type ductile iron plug whenever work stops for a period of a day or greater.

- 17.3.12.3.2 Replace pipe where any part of coating or lining is damaged.

- 17.3.12.3.3 Lower pipe and accessories into trench by means of derrick, ropes, belt slings, or other equipment approved by the manufacturer.
- 17.3.12.3.4 Do not dump or drop any of the materials into the trench.
- 17.3.12.3.5 Rest the full length of each section of pipe solidly on the pipe bed, with recesses excavated to accommodate bells, couplings, and joints.
- 17.3.12.3.6 Bell pipe using manufacture's approved leverage bar. Do not use machinery to bell pipe. Home line is to be clearly visible when pipe is joined.
- 17.3.12.3.7 Do not lay pipe in water or when trench conditions are unsuitable for the work. Keep water out of the trench until jointing is completed.
- 17.3.12.3.8 Re-lay pipe that has the grade or joint disturbed after laying.
- 17.3.12.3.9 After each line of pipe has been laid, it shall be carefully inspected and all earth, trash, rags, and other foreign matter removed from the interior.
- 17.3.12.3.10 Each joint shall be laid so that it will form a close concentric joint with adjoining pipe and so as to avoid sudden deflections.
- 17.3.12.3.11 All jointing of pipe and fittings shall be in accordance with the pipe manufacturer's recommendations.
- 17.3.12.3.12 Any leaks or defects discovered after completion of the work shall be repaired immediately. All pipes in place shall be carefully protected from damage until the backfilling operations have been completed.
- 17.3.12.4 Pipe shall be PVC SDR 35 for all sanitary sewer mains and sewer laterals except for sanitary sewer mains and sanitary sewer laterals greater than 12 feet deep which shall be ductile iron pipe, Class 350.

7.3.13 Sewer Pipe and Water Main Separation

This subparagraph is deleted in its entirety and replaced with the following which has been excerpted from SCDHEC R. 61-67 Standards for Wastewater Facility Construction:

- 7.3.13.1 When sewers are proposed adjacent to any existing or proposed potable water supply facilities, the following requirements apply:
 - 17.3.13.1.2 Horizontal and Vertical Separation from Potable Water Mains: Sewers shall be laid at least ten (10) feet horizontally from any existing or proposed potable water main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten foot separation, the City with the concurrence of the SCDHEC may allow deviation on a case-by-case basis. Such deviation may allow installation of the sewer closer to a potable water main, provided that the potable water main is in a separate trench or on an undisturbed shelf located on one side of the sewer at such an elevation that the bottom of the potable water line is at least 18" above the top of the sewer.
 - 17.3.13.1.2 Crossings: Sewers crossing potable water mains shall be laid to provide a

minimum vertical separation of 18" between the outside of the potable water main and the outside of the sewer. This shall be the case whether the potable water main is either above or below the sewer. Whenever possible, the potable water main shall be located above the sewer main. Where a new sewer line crosses a new potable water main, a full length of pipe shall be used for both the sewer line and potable water main and the crossing shall be arranged so that the joints of each line shall be as far as possible from the point of crossing and each other. Where a potable water main crosses under a sewer, adequate structural support shall be provided for the sewer line to prevent damage to the potable water main while maintaining line and grade.

17.3.13.1.3 Force Mains: There shall be at least ten (10) horizontal separation between sanitary sewer force mains and potable water mains. There shall be eighteen (18) inch vertical separation at crossing as required in [R.61-67] subsection 67.300.A.14.b and subsection 67.300.A.14.c.

17.3.13.1.4 Special Conditions. When it is impossible to obtain the distances specified in subsection 67.300.A.14.b, subsection 67.300.A.14.c, and subsection 67.300.A.14.d the SCDHEC may allow an alternative design. Any alternative design shall:

- a. Maximize the distances between the sewer line and potable water main and the joints of each;
- b. Use materials which meet the requirements of SCDHEC State Primary Drinking Water Regulation; R.61-58.4(D)(1) for the sewer line; and,
- c. Allow enough distance to make repairs to one of the lines without damaging the other.

17.3.13.1.5 Sewer Manholes. Not potable water pipe shall pass through or come in contact with any part of a sewer manhole.

17.3.15 Service Wyes and Risers

Paragraph 17.3.16 is revised to read as follows:

17.3.15 Where the depth of the sewer invert is greater than twelve (12) feet below the surface of the ground, a service riser shall be constructed to an elevation as shown in the Plans or as directed by the Owner's Representative.

17.3.16 Sewer Manholes

Subparagraph 17.3.16 is revised to read as follows:

17.3.16 Sewer Manholes - Sewer manholes shall be manufactured in accordance with subparagraph 17.2.18 of these Special Provisions.

17.3.16.1 Manholes shall be leak-tight...with plans and these specifications.

Subparagraph 17.3.16.1 is revised to read as follows:

17.3.16.1 Manholes shall be leak-tight and shall be constructed of precast reinforced concrete units, all in accordance with these Special Provisions.

17.3.16.2 Strength

Subparagraph 17.3.16.2 is revised to read as follows:

- 17.3.16.2 Strength - The minimum compressive strength of concrete used in manhole construction is addressed under subparagraph 17.2.18.10 of these Special Provisions.

17.3.16.3 Steps

Subparagraph 17.3.16.3 is revised to read as follows:

- 17.3.16.3 Steps - Manhole steps are addressed under subparagraph 17.2.16.4 of these Special Provisions.

17.3.16.4 Cast-in-Place Bases

Subparagraph 17.3.16.4 is revised to read as follows:

- 17.3.16.4 Manhole Base - Manhole base slab is to be in accordance with subsection 17.2.18.11 of these specifications.

17.3.16.6 Precast Manholes

Subparagraph 17.3.16.6 is revised to read as follows:

- 17.3.16.6 Precast Manholes - Precast Manholes shall be manufactured in accordance with subparagraph 17.2.18.11 of these Special Provisions.

17.3.16.6.1 Precast base sections are not approved

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.16.6.1 Precast manholes shall be manufactured in accordance with subparagraph 17.2.18.11 of these Special Provisions.

17.3.16.6.2 All lift holes in precast...or an approved rubber gasket.

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.16.6.2 Precast Manholes shall be manufactured in accordance with subparagraph 17.2.18.11 of these Special Provisions.

17.3.16.6.3 The first precast section...on any of the pipes.

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.16.6.3 Precast Manholes shall be manufactured in accordance with subparagraph 17.2.18.11 of these Special Provisions.

17.3.16.6.4 Precast sections shall be...in the special provisions.

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.16.6.4 Precast Manholes shall be manufactured in accordance with subparagraph 17.2.18.11 of these Special Provisions.

17.3.16.7 Inlet and Outlet Pipe

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.16.7 Pipe Connections - Pipe connections shall conform to ASTM C 923, *Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals*. Pipe penetrations shall have HDPE sleeves cast

into the manhole wall to provide protection to keep any gas from getting behind the liner. The HDPE wall sleeve shall be welded to the liner prior to casting and shall extend 2" into the opening. A boot is placed inside the sleeve to provide a gas tight seal and to seal the pipe. The flexible boot connector is installed inside the HDPE wall sleeve. No further welding to this penetration is required. If the Contractor grouts the annular space inside the manhole, a field applied epoxy coating is to be applied to cover the non-structural grout.

Holes for pipe connections, with a diameter equal to the outside dimension of the connecting pipe plus an additional 4", shall be formed in the manhole walls. No cutting or chipping of the pre-formed holes, or cutting additional holes in the precast concrete walls will be permitted.

Acceptable products: NPC Kor-N-Seal II manufactured by Trelleborg Pipe Seals Milford, or approved equal.

17.3.16.8 Excavating and Backfilling for Manhole

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.16.8 Excavating and Backfilling for Manholes - The walls of the excavation shall be vertical and be no more than 2' beyond the diameter of the base slab extension.
- 17.3.16.8.1 A leveling bed or coarse aggregate shall be placed and compacted under all bases as shown on the Plans in accordance with the construction details. The coarse aggregate shall extend a minimum of 12" beyond the outside diameter of the base slab.
- 17.3.16.8.2 Level the aggregate so as to create a level surface to receive the base section. Compact the aggregate bedding as shown on the Plan in accordance with the construction details.
- 17.3.16.8.3 Risers and top sections shall be installed level and plumb.
- 17.3.16.8.4 Backfilling of Manholes
- 17.3.16.8.4.1 Below paved areas, surround manhole with flowable fill; as shown on the Plan in accordance with the construction details.
- 17.3.16.8.4.2 In unpaved areas, use Select Fill for backfill as shown on the Plan in accordance with the construction details.

Place SCDOT coarse aggregate no. 57 around the exterior wall of the manhole as shown on the Plans in accordance with the construction details. Lifts may range from 12" to 18" (loose thickness). Compact backfill with mechanical equipment.

17.3.16.10 Manholes in Paved Streets

This paragraph is deleted in its entirety and replaced with the following:

- 17.3.16.10 Vacant

17.3.16.11 Streets or Alleys With No Established Grade

In this subparagraph, "Engineer" is revised to read "Owner's Representative".

17.3.17 Fittings

In this subparagraph, "Engineer" is revised to read "Owner's Representative".

17.3.18 Cleanouts

This paragraph is deleted in its entirety and replaced with the following:

17.3.18 Cleanout Assembly

- 17.3.18.1 Services with cleanouts shall be installed to all lots so as to properly serve each existing house and each vacant lot facing or abutting on the street or alley in which the gravity sewer main is being laid, and at such other locations as may be designated by the Owner's Representative.
- 17.3.18.2 Assembly shall consist of frame and solid lid; all pipe, wyes, bends, sleeves, and plugs necessary to provide a watertight access.
- 17.3.18.3 Locate services at property corner. The letter "X", minimum 3" in height, shall be stamped into concrete curb to identify location of service.
- 17.3.18.4 In unpaved areas, cleanout shall incorporate a threaded SDR 35 PVC drain flush plug fitting. See Detail.
- 17.3.18.5 In paved areas, cleanout shall incorporate threaded SDR 35 PVC drain flush plug fitting and covered by a Neenah R-1976 frame and lid or approved equal. See Detail.
- 17.3.18.6 Do not stack service lines vertically over the gravity sewer main.

17.3.19.1 Pipe Bed

This subparagraph is deleted in its entirety and replaced with the following:

- 17.3.19.1 Pipe Bed – The area upon which the pipe is to be bed is to be placed as described in Subparagraph 17.3.7.16 Backfill of these Special Provisions. The material used in constructing the bedding and overexcavation shall be as shown on the Plans in accordance with the construction details. The material shall be compacted to required density.
- 17.3.19.1.2 Pipe initial and final backfill and percent compaction is shown on the Plans in the construction details.

17.4 Testing for Acceptance of Sanitary Sewers

This Paragraph including title is deleted in its entirety and replaced with the following:

- 17.4.1 Acceptance testing of gravity sewer pipe and manholes shall be conducted by the low pressure air testing technique as specified in the technical specifications.
- 17.4.2 The result of the low pressure air tests shall be certified by a professional engineer registered in the State of South Carolina.

17.5 Measurement and Payment

This Paragraph including title is deleted in its entirety.

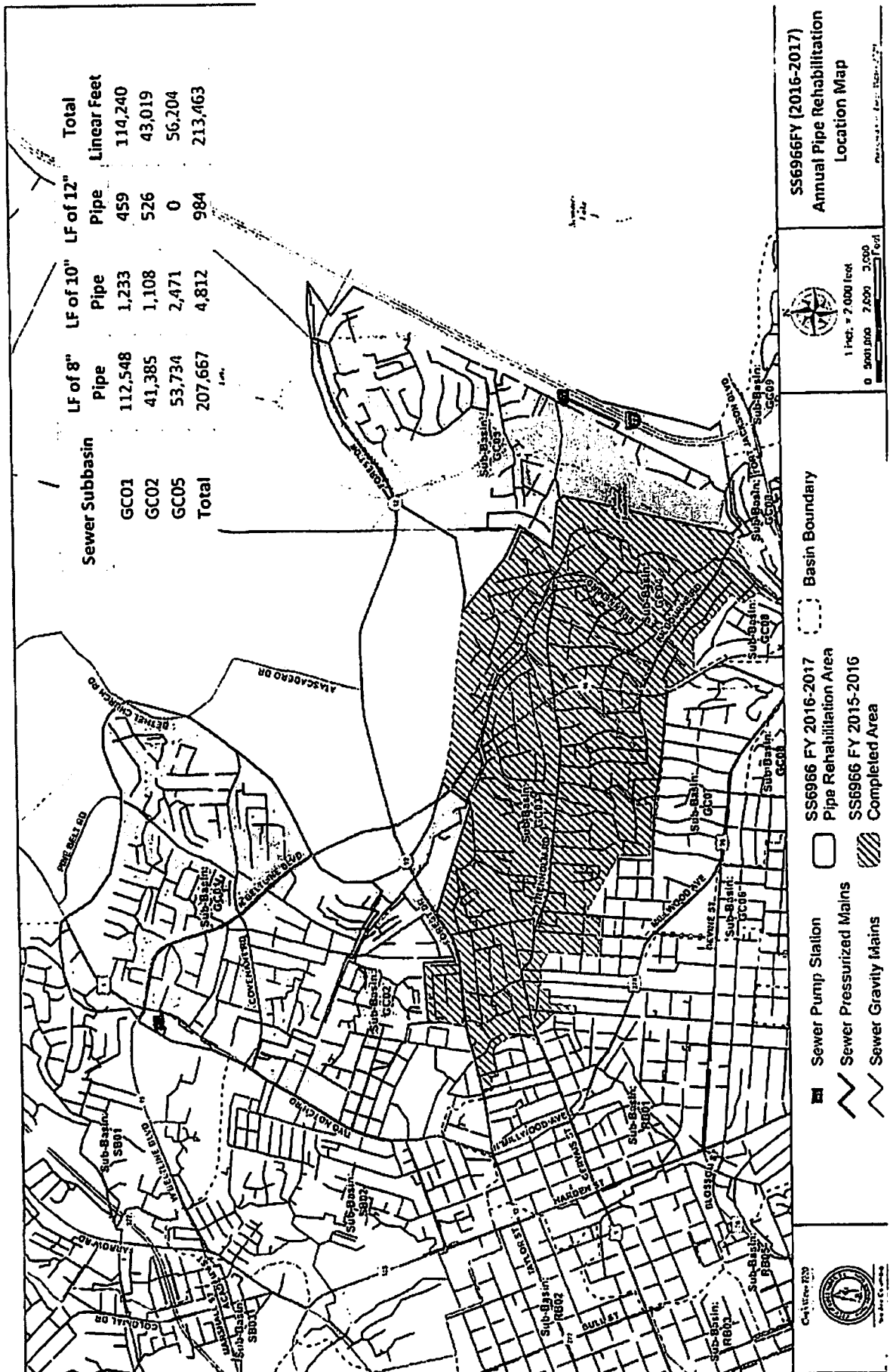
17.5 Vacant.

27.0 CONTRACTOR WORK SUMMARY FORM

Engineering Regulations Part 15: General Specifications, Paragraph 15.44 PROCEDURES FOR SUBMITTING PAY REQUESTS

The following new paragraph is inserted after paragraph 15.44.12

15.44.13 A request for payment shall be accompanied by a completed Contractor Work Summary form. The form will be used to document the progress of the work by use of sewer system "Asset ID No."





We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to approve Change Order One for the Purchase of Magnesium Hydroxide, as requested by the Wastewater Treatment Plant. Award to Premier Magnesia in the amount of \$133,188.00. This firm is located in Conshohocken, PA.

FINANCIAL IMPACT: Funding Source: Utilities Metro Wastewater Plant-Chemicals; 516208-624800. The original budgeted amount is \$133,188.00.

ORIGINAL BUDGET: \$133,188.00

CLEAN WATER 2020?: No

STRATEGIC GOALS: Provide high quality municipal services

I respectfully request City Council's approval for this change order to allow for payment of May and June invoices.

	Vendor	Current PO Amount	Increase Amount	New Total
P160405	Premier Magnesia	\$867,024.00	\$133,188.00	\$1,000,212.00

Premier Magnesia, LLC, is located in Conshohocken, PA.

ATTACHMENTS:

- **#a:** P160405 Change Order (PDF)
- **#b:** P160405 Purchase Order (PDF)

 CITY OF COLUMBIA PURCHASING DIVISION ***For Internal Use Only PO Change/Modification Order Form	Contract Number:	
	Procurement Officer:	
	Phone:	803.545.3470
	E-Mail Address:	
	Address:	1136 Washington St., 4 th Floor Columbia, SC 29201

Routing Date: 0 5 / 3 0 / 1 7DESCRIPTION: To pay for invoice for magnesium hydroxide for remainder fiscal year

Form must be completed for all requested
changes/modifications greater than
\$100.00.

DEPARTMENT NAME AND REQUESTOR: Utility Operations-Metro WWTP/ La'Toyia T. DavisCONTRACTOR'S NAME AND ADDRESS: Premier Magnesia LLCPURCHASE ORDER NUMBER (if applicable): P160405 CHANGE ORDER # 01

TYPE OF CHANGE (check all applicable boxes):

- ☒ Purchase Order Increase
☐ Purchase Order Decrease
☐ Change to Contract Scope of Work
☐ Administrative Change to Contract (such as changes in paying office, name of Agency Contract Administrator, etc.)
☐ Other Change

Brief Explanation/Justification: _____

Please increase this purchase order by \$133,188.00 for Invoice for Fiscal 16-17. This would be an increase of 60,540 gallons. The quantity needed depends on the weather.

Requested Amount of Increase/Decrease: \$ 133,188.00 Current PO amount/total: \$ 843,264.00Accounting Information on Original PO: ORG 5516208 OBJ 624800 (Required)Funding/Account Info for Change Order: ORG 5516208 OBJ 624800 (Required)

List any special instructions if transfers are needed from another account for this Change Order (Include ORG/OBJ codes): _____

Note: The appropriate Account Verifiers for each Department must review all change orders prior to routing for approvals.

Division/Department (\$100.01 - \$5,000): _____

Recommended for Approval: _____

(Signature)

Superintendent

(Title)

Assistant City Manager Approval (\$5,000.01-25,000):

Recommended for Approval: _____

(Signature)

(Date)

**Route this form to the Procurements & Contracts Department

Director of Procurement & Contracts Approval: _____

City Manager Approval Needed: Yes or No

Recommended for Approval: _____

(Signature)

(Date)

City Manager Approval:

Recommended for Approval: _____

(Signature)

(Date)

All change orders over \$50,000.01 must be approved by City Council Date approved City Council _____

A copy of the final City Council minutes must be maintained with the purchasing file.

This agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement, and shall become a binding agreement when one or more counterparts have been signed by and delivered to each of the parties. Such delivery may occur by facsimile or email/pdf and any counterparts exchanged in this manner shall be considered originals.

**COLUMBIA**

A Capital Place to Be
1136 Washington St., 4th Floor
Columbia, South Carolina 29201

TO: PREMIER MAGNESIA LLC
300 BARR HARBOR DRIVE, SUITE 250
WEST CONSHOHOCKEN, PA 19428

PURCHASE ORDER

P.O. NUMBER	P160405
DATE	10/17/16
VENDOR I.D.	V013286
DELIVERY DATE	
FOB	DESTINATION
REQUISITION NO.	R177396
OUR PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKING LIST AND CORRESPONDENCE.	

FAX#

Page 1 of 1

DELIVER ITEMS TO:

WASTEWATER TREATMENT PLANT (METRO)
1200 SIMMON TREE LANE
COLUMBIA, SC 29201

SEND INVOICE TO:

ACCOUNTING
PO BOX 147
COLUMBIA, SC 29217

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENSION
	ALL PRICES SPECIFICATIONS, TERMS AND CONDITIONS PER CITY OF COLUMBIA BID013-15-16				
001	WATER TREATING CHEMICAL-MAGNESIUM HYDROXIDE AT \$2.26 PER GALLON; PO AMOUNT IS BASED ON 350,000 GALLONS	350,000	GA	2.20	770,000.00
002	MONTHLY RENTAL COST FOR MAGNESIUM HYDROXIDE EQUIPMENT	12	EA	900.00	10,800.00
CONTACT: LaToyia T. Davis 803-545-0178					
ELIZABETH MARSH, JUNIOR BUYER (v) 803.545.3472/ (f) 803.733.8408 ECMARSH@COLUMBIASC.NET					
SALES TAX					62,464.00
TOTAL					843,264.00

THE ARTICLES SPECIFIED ARE SUBJECT TO THE FOLLOWING CONDITIONS:

1. Submit all claims for payments by detailed itemized invoice in duplicate.
2. Goods other than those specified on this order must not be substituted or prices changed without authorization.
3. The right of cancellation in case of long delay in shipment is reserved.
4. If the quantity shipped is short of the purchase order quantity, specify on the packing slip if that quantity is on back order or cancelled.
5. Prepay shipping charges, if any, and add to invoice.
6. Ship "Open Account." No C.O.D.'s will be accepted.

AUTHORIZED SIGNATURE



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-008 - Authorizing the Granting of Property Tax Credits to Smoky Properties, LLC for Richland County TMS #08911-05-11 pursuant to the South Carolina Abandoned Buildings Revitalization Act, Title 12, Chapter 67 of the Code of Laws of South Carolina, 1976, as amended

FINANCIAL IMPACT: First reading approval was given on May 16, 2017.

STRATEGIC GOALS: Collaborate and partner with entities, Grow opportunities for entrepreneurship

ATTACHMENTS:

- **#a:** 2017-008 Columbia Craft Brewery 520 Greene Street abandoned building tax credits (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING

ORDINANCE NO.: 2017-008

Authorizing the Granting of Property Tax Credits to Smoky Properties, LLC for Richland County TMS #08911-05-11 pursuant to the South Carolina Abandoned Buildings Revitalization Act, Title 12, Chapter 67 of the Code of Laws of South Carolina, 1976, as amended

WHEREAS, pursuant to the authority of Title 12, Chapter 67 of the Code of Laws of South Carolina, 1976, as amended (the "Act"), upon the satisfaction of certain statutory requirements set forth in the Act, a taxpayer is eligible for certain tax credits in connection with the rehabilitation of abandoned buildings; and,

WHEREAS, the Act permits qualifying taxpayers to elect to receive the tax credits in the form of state income tax credits, or upon approval of the applicable county or municipality, local property tax credits; and,

WHEREAS, pursuant to the Act, Smoky Properties, LLC (the "Company") filed with the City a Notice of Intent to Rehabilitate and has requested that the City approve of the grant of property tax credits pursuant to the Act in connection with the Company's rehabilitation of the buildings and property known as .59 acres, Richland County Tax Map Number 08911-05-01, in the City (the "Project"); and,

WHEREAS, the Company has estimated that the rehabilitation expenses of the Project will total Four Hundred Seventy-five Thousand and No/100 (\$475,000.00) Dollars; and,

WHEREAS, pursuant to the Act, the City is required to determine that the Project site is an eligible site, that the rehabilitation expenses associated with the Project are eligible for tax credits, and that providing property tax credits will not violate any covenant, representation, or warranty in any of its tax increment financing transactions or outstanding general obligation bonds; and,

WHEREAS, the City has determined by Resolution No. R-2017-017, enacted on May 2, 2017, that the Project site is an eligible site and that the rehabilitation expenses associated with the Project are eligible for tax credits under the Act; and,

WHEREAS, the City held a public hearing on this ordinance on May 16, 2017; and,

WHEREAS, the City provided notice at least 45 days prior to the public hearing to all affected local taxing entities in which the Project site is located of its intent to grant property tax credits and the estimated amount of such credits based on the estimated rehabilitation expenses of the Project, and none of the affected local taxing entities has filed an objection to the credits and are therefore deemed to consent to such.

NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina this ____ day of _____, 2017, as follows:

In order to promote the rehabilitation, renovation, and redevelopment of abandoned buildings located in the City, to reduce the disruption of communities and increased cost to the City resulting from such vacancies, to alleviate safety concerns, and to restore such buildings to productive assets for the communities in which they are located and provide increased job opportunities, the City hereby authorizes, ratifies, and approves the Project and its qualification for property tax credits under the Act.

If the actual rehabilitation expenses of the Project are between 80% and 125% of the estimated rehabilitation expenses set forth above, the amount of the property tax credits is 25% (times the local taxing entity ratio of each consenting taxing entity)of the actual rehabilitation expenses. If the actual rehabilitation expenses are below 80% of the estimated rehabilitation expenses set forth above, the amount of the property

LEGAL DEPARTMENT DRAFT

tax credits is zero. If the actual rehabilitation expenses are greater than 125% of the estimated rehabilitation expenses, the Company qualifies for the credit based on 125% of the estimated rehabilitation expenses as opposed to the actual rehabilitation expenses it incurs. "Rehabilitation expenses" are as defined in the Act.

The credits will be taken as property tax credits against up to 75% of the real property taxes due on the Project each year for up to 8 years, beginning with the property tax year in which the applicable phase or portion of the Project is first placed in service.

In compliance with the Act, the City hereby finds that providing the tax credits authorized by the Act will not violate any covenant, representation, or warranty in any of its tax increment financing transactions or outstanding general obligation bonds.

The City Manager is hereby authorized to do any and all things necessary to facilitate the Company's receipt of the tax credits authorized pursuant to the Act and this Ordinance.

This ordinance shall become effective upon second reading.

Requested by:

Assistant City Manager Gentry

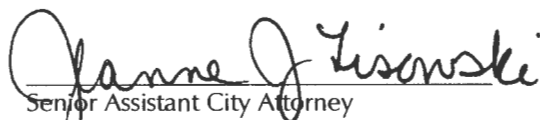
Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



Senior Assistant City Attorney

City Clerk

Introduced:

Final Reading:



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-042 - Authorizing the City Manager to execute an Agreement for Sale, deed and any other documents necessary to consummate the transfer of approximately 0.38 acres (16,553 SF) known as 611 Blanding Street and 615 Blanding Street, Richland County TMS #09010-11-17 and TMS #09010-11-16 to Matt Varner

FINANCIAL IMPACT: First reading approval was given on May 16, 2017.

STRATEGIC GOALS: Collaborate and partner with entities, Grow opportunities for entrepreneurship

ATTACHMENTS:

- **#a:** 2017-042 tfer 611 Blanding & 615 Blanding to Matt Varner (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING

ORDINANCE NO.: 2017-042

Authorizing the City Manager to execute an Agreement for Sale, deed and any other documents necessary to consummate the transfer of approximately 0.38 acres (16,553 SF) known as 611 Blanding Street and 615 Blanding Street, Richland County TMS #09010-11-17 and TMS #09010-11-16 to Matt Varner

BE IT ORDAINED by the Mayor and Council this ____ day of _____, 2017, that the City Manager is authorized to execute the attached Agreement for Sale, deed and any other documents necessary and approved by the City Attorney to consummate the transfer of approximately 0.38 acres (16,553 SF) known as 611 Blanding Street and 615 Blanding Street, Richland County TMS #09010-11-17 and TMS #09010-11-16 to Matt Varner for Fifty Thousand and No/100 (\$50,000.00) Dollars, being the highest bid greater than or equal to market value.

Requested by:

City Manager _____

Mayor _____

Approved by:

City Manager _____

Approved as to form:


Senior Assistant City Attorney

ATTEST:

City Clerk _____

Introduced:

Final Reading:

STATE OF SOUTH CAROLINA)
COUNTY OF RICHLAND)

AGREEMENT FOR SALE

Agreement made this _____ day of _____, 2017 by and between MATT VARNER (Buyer) and the CITY OF COLUMBIA (Seller) for the property described herein within the town of Irmo.

Subject to the following terms and conditions, it is agreed that:

1. **PROPERTY DESCRIPTION:** Buyer agrees to buy and Seller agrees to sell approximately 0.38 acres in total being two contiguous vacant lots located at (I) 611 Blanding Street, Columbia, SC 29201 and further identified as Richland County TMS #09010-11-17 and (II) 615 Blanding Street, Columbia, SC 29201 and further identified as Richland County TMS #09010-11-16. A GIS map of the property is being incorporated herein and made a part hereof as Exhibit "A".
2. **PURCHASE AND SALE.** Seller agrees to sell and Buyer agrees to buy the Property for the Purchase Price subject to the terms and conditions hereof.
3. **PRICE.** The purchase price is Fifty Thousand and No/100s (\$50,000.00) Dollars as per the result of being the highest bid, payable by the Buyer to the Seller as follows:
 - a. Upon the execution of this Agreement, the Buyer shall deposit with the Seller Two Thousand Five Hundred and No/100s (\$2,500.00) Dollars as earnest money via certified funds to be held by seller until closing.
 - b. Upon delivery of the deed, Buyer shall pay to Seller Forty Seven Thousand Five Hundred and No/100s (\$47,500.00) Dollars in U.S. dollars by cash or certified funds.
4. **CLOSING COSTS.** Seller shall pay for deed preparation, if applicable. All other closing costs, prepaid items, deed stamps, attorney fees or expenses of sale will be borne by the Buyer.
5. **CONDITIONS AND RESTRICTIONS.** The Seller shall convey the property described in Paragraph 1 hereof to the Buyer in fee simple by proper limited warranty deed, free from all liens and encumbrances except as are herein agreed to and subject to the following conditions and restrictions: The Buyer agrees to accept the property subject to any governmental statutes or ordinances, zoning ordinances and regulations, building restrictions and conditions, restrictions, covenants, and easements of record, including any shown on a recorded plat or utilities located by an inspection of the property; also, any state of facts that an accurate survey would show.

6. **CONDITION OF PROPERTY.** The Property is being sold and conveyed on a strictly "AS-IS", "WHERE-IS" and "WITH ALL FAULTS AND DEFECTS" basis as it exists on the last day of the Inspection Period, ordinary wear and tear excepted, without representation, warranty, or covenant, express, implied or statutory of any kind or nature whatsoever, including without limitation, representation, warranty or covenant as to condition (structural, environmental, mechanical, or otherwise), past or present use, construction, development, lease performance, investment potential, tax ramifications or consequences, income, compliance with law, habitability, tenancies, merchantability or fitness or suitability for any purpose, all of which are hereby expressly disclaimed except as expressly stated herein. The provisions of this paragraph shall survive Closing or termination of this Agreement.

The Buyer shall, in the Buyer's sole discretion, inspect the property or have the property inspected by professionals selected by the Buyer to ascertain the condition of the property within an inspection period of thirty (30) days after the signing of this Agreement.

The Buyer shall have the title to the property examined to determine that title is marketable and that there are no liens, restrictions or encumbrances, other than stated herein, affecting the title which are objectionable.

7. **REAL ESTATE COMMISSION.** Both parties warrant that they have taken no action that would result in a real estate commission being due on behalf of the Buyer or to be paid by the Seller.
(Buyer initial th : Seller initial _____)
8. **SELLER'S DEFAULT.** If the Seller shall be unable to convey title in accordance with the terms of this Agreement, the sole obligation of the Seller shall be to refund the Buyer's earnest money paid hereunder. Upon the making of such refund, this Agreement shall wholly cease and terminate and neither party shall have any further claim against the other by reason of this Agreement. Seller shall not be required to bring any action or proceedings or otherwise incur any expense to render the title to the property marketable. The Buyer may, nevertheless, accept such title as Seller may be able to convey, without reduction of the purchase price or any credit or allowance against the same and without any other liability on the part of the Seller. The acceptance of a deed by the Buyer shall be deemed to be a full performance and discharge of every agreement and obligation on the part of the Seller to be performed pursuant to the provisions of this Agreement.
9. **BUYER'S DEFAULT.** If the Buyer shall default under this Agreement, the Seller shall have the option of suing for damages or specific performance, or of terminating this Agreement. If the Buyer elects to terminate this

Agreement, the earnest money deposit may be retained by Seller as liquidated damages. These remedies are in addition to, and not in place of, all remedies available to the Seller at law or in equity.

10. CLOSING. The closing shall take place on or before TBD. At closing, Seller shall deliver the deed upon Buyer's compliance with the terms and conditions hereof and the earnest money shall be applied to the purchase price. Time is of the essence, but the closing date may be extended by written agreement of the parties. The closing shall take place at Ronald Dodson 900 Elmwood Ave Suite 102
Columbia, SC 29201
11. POSSESSION. The Seller shall relinquish possession of the property to the Buyer upon closing.
12. ONLY CONTRACT. The parties hereto further agree that this written contract expresses the entire agreement between the parties and this Agreement may not be changed orally, but only by an instrument in writing signed by the party against whom enforcement of such change is sought. All prior negotiations and representations of the parties are merged herein and are void and unenforceable unless contained in this Agreement. The Buyer shall not have the right to assign this Agreement.
13. DEFINITION. If two or more people constitute the Seller or the Buyer, the word "Seller" or the word "Buyer" shall be construed as if written "Sellers" or "Buyers" whenever the sense of this Agreement so requires.

SIGNED, SEALED AND DELIVERED as of the date first above set forth.

WITNESSES:

Ammer White
(as to buyer)

Rat
(as to buyer)

MATT VARNER
(BUYER)

By: [Signature]

(Signature)

CITY OF COLUMBIA
(SELLER)

By: _____

Title: City Manager

(as to seller)

(as to seller)

APPROVED AS TO FORM

NAH 4.12.17

Legal Department City of Columbia, SC

EXHIBIT A

611 & 615 Blanding Street – City Property





We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Annexation, Comprehensive Plan Map Amendment and Zoning Map Amendment - 1115 Shop Road; TMS# 11210-01-01

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-034 - Annexing and Incorporating 1115 Shop Road, Richland County TMS #11210-01-01 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District:3

Proposal: Request to annex, assign land use classification of Employment Campus (EC) and assign zoning of Light Industrial District (M-1). The property is currently classified as Mixed Residential (High Density) by Richland County and zoned as M-1 by Richland County.

Applicant:1115 & 1087 Shop Rd, LLC / Reign Living, LLC

Staff Recommendation:Approval

PC Recommendation: 03/06/2017; Cancelled; 03/20/2017; Approval (6-0)

ATTACHMENTS:

- **#a:** ANNEXATION_1115Shop (PDF)
- **#b:** 2017-034 annex-incorporate 1115 Shop Road (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

ANNEXATION, COMPREHENSIVE PLAN MAP AMENDMENT, AND ZONING MAP AMENDMENT CASE SUMMARY 1115 Shop Road; TMS# 11210-01-01

Council District: 3

Proposal: Request to annex, assign land use classification of Employment Campus (EC) and assign zoning of Light Industrial District (M-1). The property is currently classified as Mixed Residential (High Density) by Richland County and zoned as M-1 by Richland County.

Applicant: 1115 & 1087 Shop Rd, LLC / Reign Living, LLC

Staff Recommendation: Approval

PC Recommendation: 03/06/2017; Cancelled
03/20/2017; Approval (6-0)

PH, 1st Reading: 05/16/2017; PENDING

2nd Reading: 06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: +/- 7.31 acres
Current Use: Warehouse
Proposed Use: Student Housing / Apartments
Reason for Annexation: Municipal Services – a portion of the property is already located in the City.
Urban Service Area: Primary
Current Land Use Classification: Mixed Residential (High Density)
Proposed Land Use Classification: Employment Campus (EC)
Current Richland County Zoning: Light Industrial District (M-1)
Proposed Zoning: Light Industrial District (M-1)
Census Tract: 117.01

DETERMINATION FOR CITY SERVICES

The following determination is an estimate of the benefits and costs associated with the annexation of the subject property.

Police

We find that the proposed annexation will result in an increased number of calls for services and will cost the CPD approximately **\$7,000** annually to provide service for the proposed student housing development based upon current calls for service within similar student housing developments.

Fire

The proposed annexation **will not result in additional costs or impact services** being provided by this department. Annexation would lower the ISO rating of this property to a Class 1 from a Class 2.

Solid Waste

The property is currently a vacant warehouse and student housing/apartments are proposed. Solid Waste services cost would be \$0.00 since this service is not provided to large multifamily or student housing developments.

Engineering

Because water and sewer lines currently exist in this area, the Utilities and Engineering Division **will not incur any costs** associated with this annexation.

Water Customer Care

Because this land is currently vacant, there will be no loss of revenue as a result of annexation. Annexation will result in an approximately **40% reduction** in water and sewer service rates for the property.

Planning & Development Services

We recommend annexation of this property. The applicant is proposing a 507-bed student housing development on 10.3 acres, 3 acres of which are already within the City limits and ±7.3 acres proposed for annexation. If left undeveloped, the estimated annual City property tax revenue generated after annexation of this property will be approximately \$7,800. If developed as proposed into a student housing development, the estimated annual City property tax revenue generated for the currently unincorporated portion of this property will be approximately **\$64,000** (70% of \$92,000 annually).

*Estimated City Tax Revenue calculated as: (Tax Value*Tax Rate)*City Millage Rate (.0961)) - (Tax Value*Local Option Sales Tax Credit (.002347)).

PLANS, POLICIES, AND LAND USE

Urban Service Area

Subject parcel is in a “Primary Area” as identified in the Urban Service Area Map

Principles and Goals of the Urban Service Area

The Urban Service Area identifies those areas the City of Columbia wishes to provide with urban services. Primary emphasis will be given to annexing developed areas adjoining the City limits and “islands” of unincorporated territory surrounded by the City. Primary, secondary, and long-range annexation priorities for specific areas may be identified. Secondary areas may include higher value properties which assist the City in achieving a more balanced economic base.

Primary areas are made up of land contiguous to the City where services are available and the infrastructure is generally good. These services include fire, police, sanitation, and utilities. Primary areas are intended to indicate that, barring unanticipated circumstances, annexation is recommended and should be actively pursued.

The Columbia Plan 2018: Comprehensive Plan Land Use Classification

Staff recommends that the subject parcel be designated Employment Campus (EC) in The Columbia Plan 2018 Future Land Use Map.

These are areas dedicated to concentrations of employment uses ranging from professional services, research and development, and light productions facilities. They are often designed in parks with internal street networks, extensive green spaces and large format buildings. These districts are most often found at the urban edge and require large tracts of land. These campuses are comprised primarily of office buildings including corporate

offices, medical or professional offices, medical research facilities, office suites, non-polluting manufacturing and research and development uses. Redevelopment and infill in these districts with more supporting uses like multi-family residential and other retail/entertainment uses is encouraged with access to multi-modal transit stops in and near the employment campus.

Primary Types:

- Medium to High-rise Office / Services
- Medium to Extra Large Format Flex

Secondary Types:

- Multi-family Medium to High-rise Mixed-use
- Parking Structures

Tertiary Types:

- Small to Large Commercial
- Single-family Attached
- Small to High-rise Multi-family
- Parking Lots

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is not covered by an area plan which has been adopted by the City of Columbia or Richland County.

PROPOSED ZONING DISTRICT SUMMARY

The parcel is currently zoned Light Industrial District (M-1) by Richland County, and surrounding parcels within the City of Columbia are currently zoned Light Industrial District (M-1) to the East. Surrounding parcels in unincorporated Richland County are zoned Heavy Industrial (HI) to the West and South and M-1 to the North.

The proposed City of Columbia zoning district is Light Industrial District (M-1).

Light Industrial District (M-1)

The M-1 district is intended to accommodate wholesaling, distribution, storage, processing, light manufacturing and general commercial uses. Certain related structures and uses required to serve the needs of such uses are permitted outright or are permissible as special exceptions subject to restrictions and requirements intended to best fulfill the intent of this article.

STAFF RECOMMENDATION

Staff recommends City Council annex the property, adopt an ordinance assigning Employment Campus (EC) land use classification and assign M-1 zoning at the time of annexation.



Future Land Use Map

Department of Planning & Development Services

1115 Shop Road; TMS# 11210-01-01;
Current FLU: Mixed Residential (High Density); Proposed FLU: EC

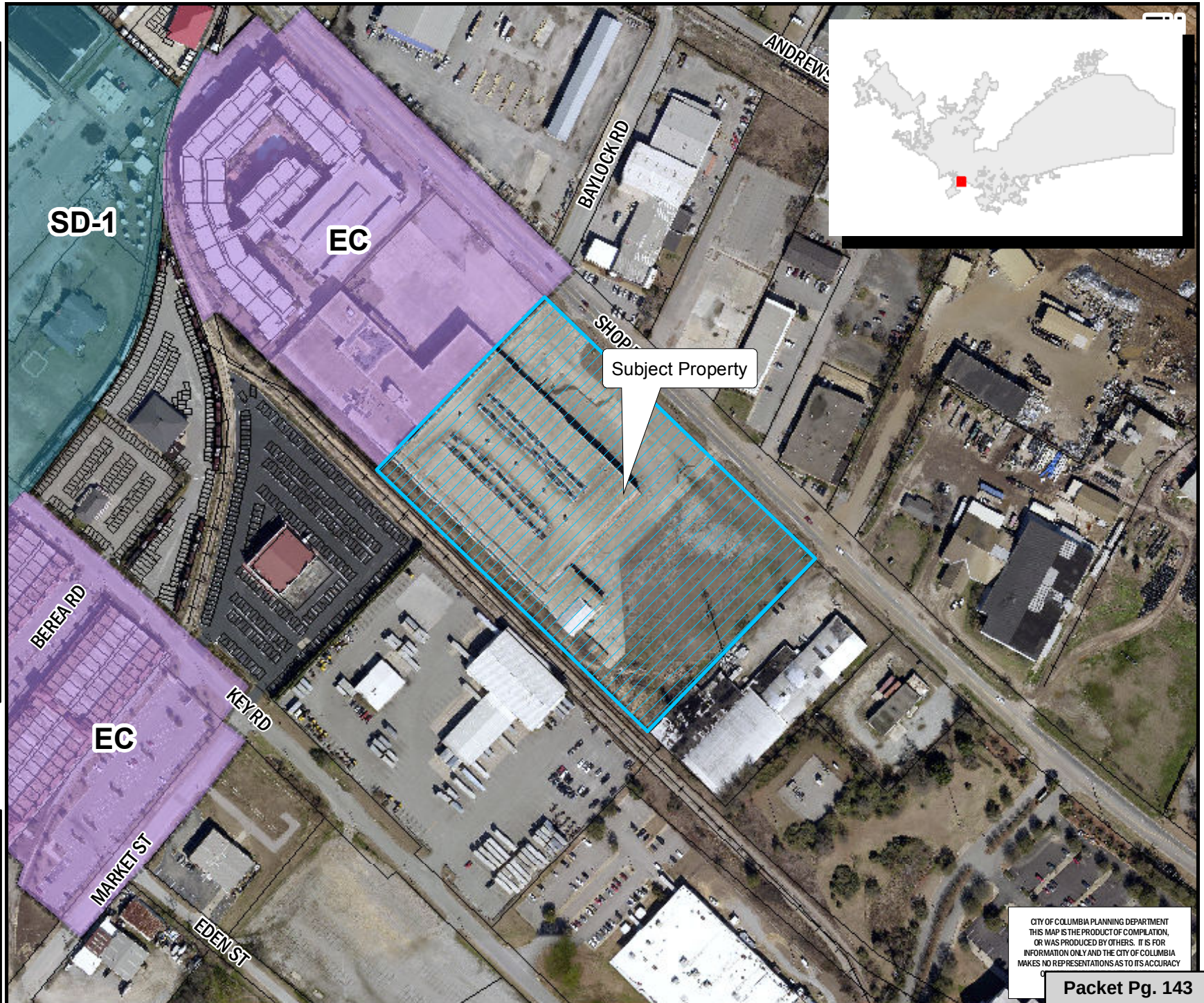
6.a



ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
February 16, 2017



We Are Columbia



CITY OF COLUMBIA PLANNING DEPARTMENT
THIS MAP IS THE PRODUCT OF COMPILED,
OR WAS PRODUCED BY OTHERS. IT IS FOR
INFORMATION ONLY AND THE CITY OF COLUMBIA
MAKES NO REPRESENTATIONS AS TO ITS ACCURACY

Packet Pg. 143

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

1115 Shop Road; TMS# 11210-01-01;
Existing Richland County Zoning: M-1; Proposed Zoning: M-1

6.a

Legend

CITY LIMITS

PARCELS

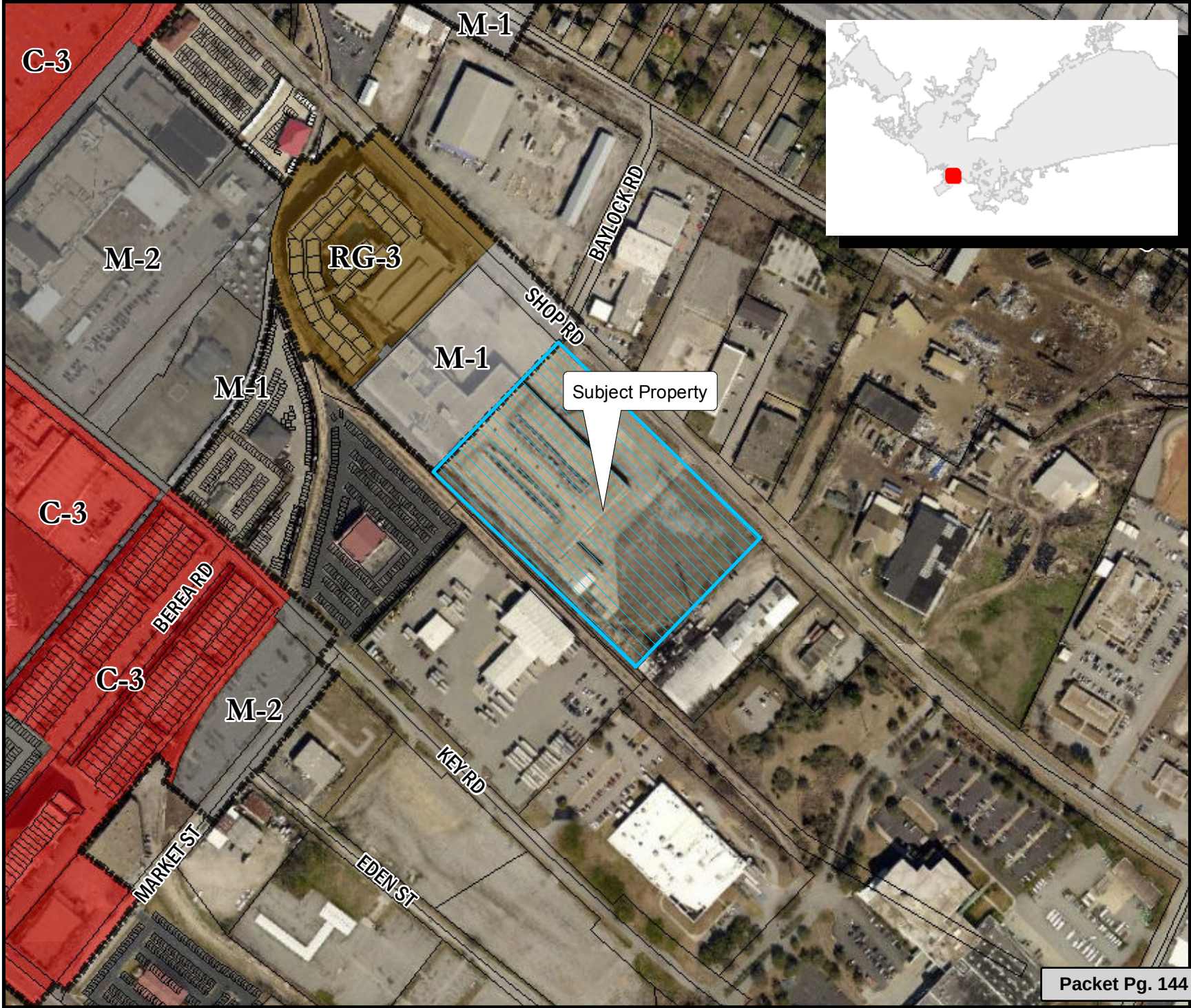
D-1	C-1
RS-1	C-2
RS-1A	C-3
RS-1B	C-3A
RS-2	C-4
RS-3	C-5
RD	M-1
RD-2	M-2
RG-1	PUD-C
RG-1A	PUD-LS
RG-2	PUD-LS-E
RG-3	PUD-LS-R
UTD	PUD-R
MX-1	OUT OF CITY
MX-2	

0 75 150 300 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
February 16, 2017

DISCLAIMER:
The City of Columbia Department of Planning and Development Services data represented on this map or plan is the product of compilation, as produced by others. It is provided for informational purposes only and the City of Columbia makes no representation as to its accuracy. Its use without field verification is at the sole risk of the user.



ORDINANCE NO.: 2017-034

Annexing and Incorporating 1115 Shop Road, Richland County TMS #11210-01-01 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

WHEREAS, a proper petition has been filed with the City Council by one hundred (100%) percent of the property owners of the within described property under the provisions of South Carolina Ann. Sec. 5-3-150; and,

WHEREAS, it appears to City Council that the annexation of the property would be in the best interest of the property owners and the City of Columbia; and,

WHEREAS, City Council adopted the City of Columbia Comprehensive Plan 2018 by Ordinance No.: 2008-085 on October 1, 2008, and amended from time to time, in accordance with South Carolina Comprehensive Planning Act of 1994 (Title 6, Chapter 29 of the SC Code) and heard public comments on this amendment; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017, that the property described herein is hereby annexed to, incorporated into Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015, and becomes a part of the City of Columbia effective immediately. This property shall be zoned Light Industrial District, (M-1), apportioned to City Council District 3, Census Tract 117.01, contains 7.31 acres, and shall be assigned a land use classification Employment Campus (EC).

PROPERTY DESCRIPTION: See Attached Exhibit "A"

Richland County TMS NO.: 11210-01-01

Also included in the territory hereby annexed are all contiguous portions of all public rights of way, streets and highways.

Requested by:

Assistant City Manager Gentry

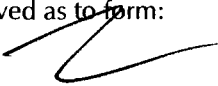
Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:

EXHIBIT "A"
PROPERTY DESCRIPTION
ORDINANCE NO.: 2017-034

All that certain piece, parcel or lot of land, with improvements thereon, if any, situate, lying and being on the southwest side of Shop Road near the southern limits of the City of Columbia, in the County of Richland, State of South Carolina, containing 7.31 acres, being designated as Parcel "A" as shown on a plat of Property Surveyed for William M. Gregg, II made by B.P. Barber & Associates, dated November 25, 1957, last revised November 23, 1988, and filed for record in the Office of the Register of Deeds for Richland County, South Carolina in Plat Book 52 at Page 4211. Said tract of land containing the same butting, boundings and dimensions as shown on said plat.

LEGAL DEPARTMENT DRAFT

MEMORANDUM

Office of the City Manager

TO: Department Heads

FROM: Teresa Wilson, City Manager

DATE: February 27, 2017

RE: **Property Address:** 1115 Shop Road
Richland County TMS#: 11210-01-01
Owner(s): 1115 & 1087 Shop Rd, LLC / Reign Living, LLC
Current Use: Warehouse
Proposed Use: Student Housing / Apartments
Current County Land Use: Neighborhood (Medium Density)
Proposed City Land Use: Employment Campus (EC)
Current County Zoning: M-1 (Light Industrial District)
Proposed City Zoning: M-1 (Light Industrial District)
Reason for Annexation: Municipal Services/Primary Area
City Council District: 3
Census Tract: 117.01

The Planning & Development Services advises that the above referenced property has been offered for annexation. Attached, please find a map or drawing reflecting the property. You are directed to forward your comments and/or recommendations regarding the issue of whether to annex or not to Planning & Development Services. Planning & Development Services will compile your comments for City Council consideration.

Planning & Development Services staff will see to it that this matter is placed on the **March 6, 2017** Planning Commission's agenda. Planning & Development Services staff will notify the City Attorney of the Planning Commission's zoning recommendation by forwarding a copy of this form, completed, as soon as the Planning Commission has met.

/atl

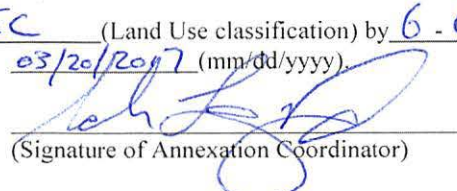
Attachments

cc: S. Allison Baker, Sr. Assistant City Manager
 William Holbrook, Police Chief
 Teresa Knox, City Attorney
 Dana Higgins, City Engineer
 Krista Hampton, Planning & Development Services
 Gloria Saaed, Community Development Director
 Roger Myers, Business License Administrator
 Angela Adams, Water Customer Service
 Jerry Thompson, Building Official
 Susan Leitner, Engineering
 Denny Daniels, Engineering
 Carolyn Wilson, Police Planning & Research
 Jan Alonso, Finance Director

Missy Gentry, Assistant City Manager
 Aubrey Jenkins, Fire Chief
 Joseph Jacob, Utilities and Engineering
 Robert Anderson, Public Works Director
 Jeff Palen, Assistant City Manager/CFO
 George Adams, Fire Marshal
 Brian Cook, Zoning Administrator
 Kimberly Gathers, Columbia-Richland 911
 David Hatcher, Housing Official
 Richland County Solid Waste Collection
 John Fellows, Planning Administrator
 Zach Kay, Dev. Center Administrator
 Alfreda Tindall, Richland Co. 911 Addressing Coordinator

Planning Commission Zoning Recommendation: M-1 (Zoning classification) by 6-0 on 03/20/2017 (mm/dd/yyyy).

Planning Commission Land Use Recommendation: EC (Land Use classification) by 6-0 on 03/20/2017 (mm/dd/yyyy).


 (Signature of Annexation Coordinator)



Future Land Use Map

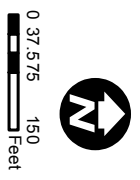
1115 Shop Road; TMS# 11210-01-01;
Current FLU: Mixed Residential (High Density); Proposed FLU: EC

6.b

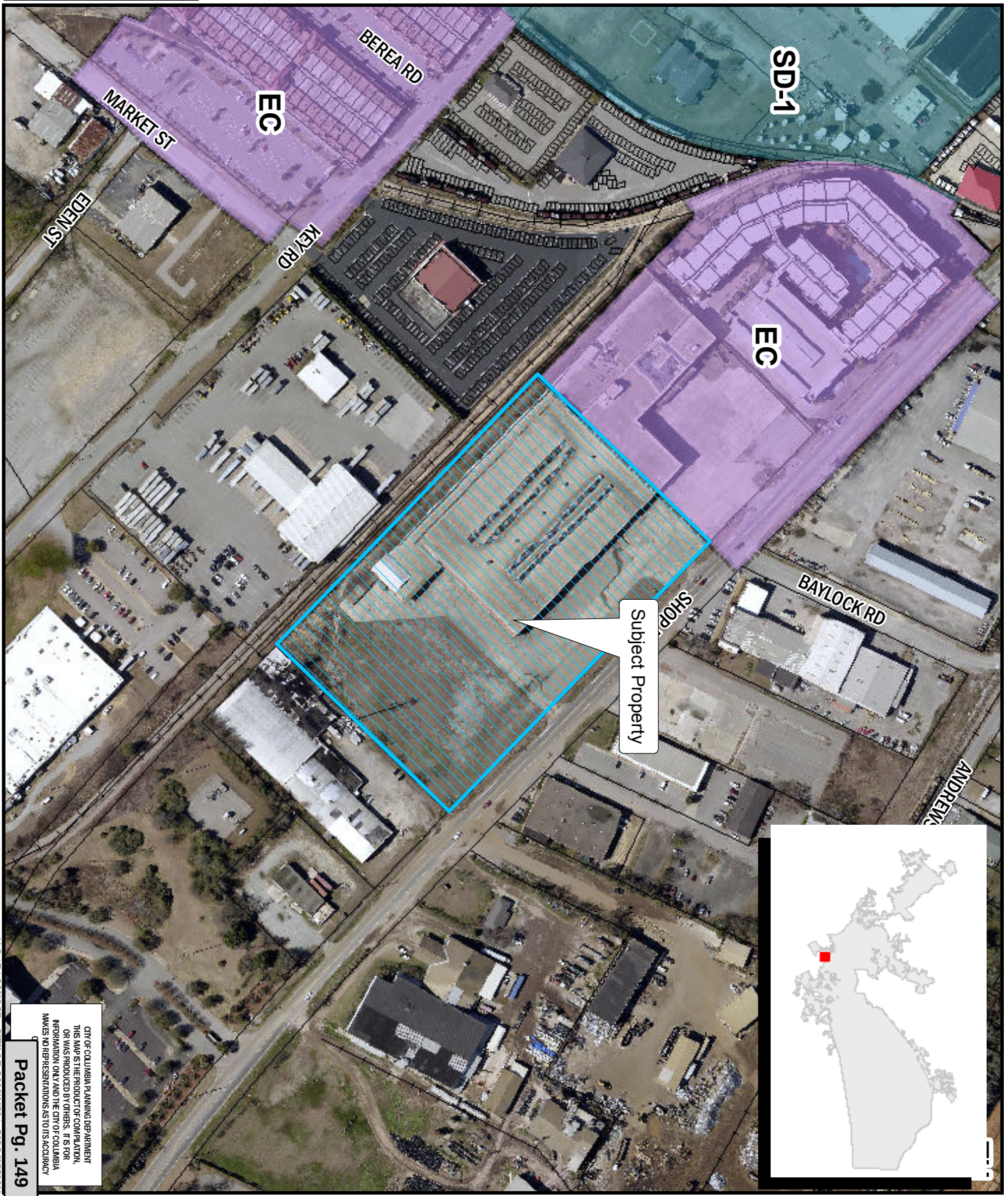
Department of Planning & Development Services

Legend
CITY LIMITS
PARCELS

- UCMR-1 - Urban Core Mixed Residential 1
- UCMR-2 - Urban Core Mixed Residential 2
- UEMR - Urban Edge Mixed Residential
- UEMF - Urban Edge Multi-Family
- UCR-1 - Urban Core Residential Small Lot
- UCR-2 - Urban Core Residential Large Lot
- UER-1 - Urban Edge Residential Small Lot
- UER-2 - Urban Edge Residential Large Lot
- UCAC-1 - Urban Core Neighborhood Activity Center
- UCAC-2 - Urban Core Community Activity Center
- UEAC-1 - Urban Edge Community Activity Center
- UEAC-2 - Urban Edge Regional Activity Center
- UCAC-3 - Urban Core Regional Activity Center
- AC-1 - Neighborhood Activity Center
- AC-2 - Community Activity Center
- AC-3 - Regional Activity Center
- EC - Employment Campus
- ND - Industrial
- TU - Transportation & Utilities
- SP-1 - Sports/Amusement District
- SP-2 - Civic/Institutional District
- SP-3 - Central Business District
- SP-4 - Riverbanks Zoo and Garden
- SP-5 - Universities/Colleges
- SP-6 - Fort Jackson



ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
February 16, 2017



CITY OF COLUMBIA PLANNING DEPARTMENT
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Packet Pg. 149

Zoning Map

Department of Planning & Development Services

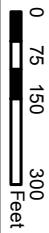
1115 Shop Road; TMS# 11210-01-01;
Existing Richland County Zoning: M-1; Proposed Zoning: M-1

6.b

Legend



- | | |
|-------|-------------|
| D-1 | C-1 |
| RS-1 | C-2 |
| RS-1A | C-3 |
| RS-1B | C-3A |
| RS-2 | C-4 |
| RS-3 | C-5 |
| RD | M-1 |
| RD-2 | M-2 |
| RG-1 | PUD-C |
| RG-1A | PUD-L |
| RG-2 | PUD-L-E |
| RG-3 | PUD-L-R |
| UDT | PUD-R |
| MX-1 | OUT OF CITY |
| MX-2 | |



ORIGINAL PREPARATION/DATE:
This map was prepared by:

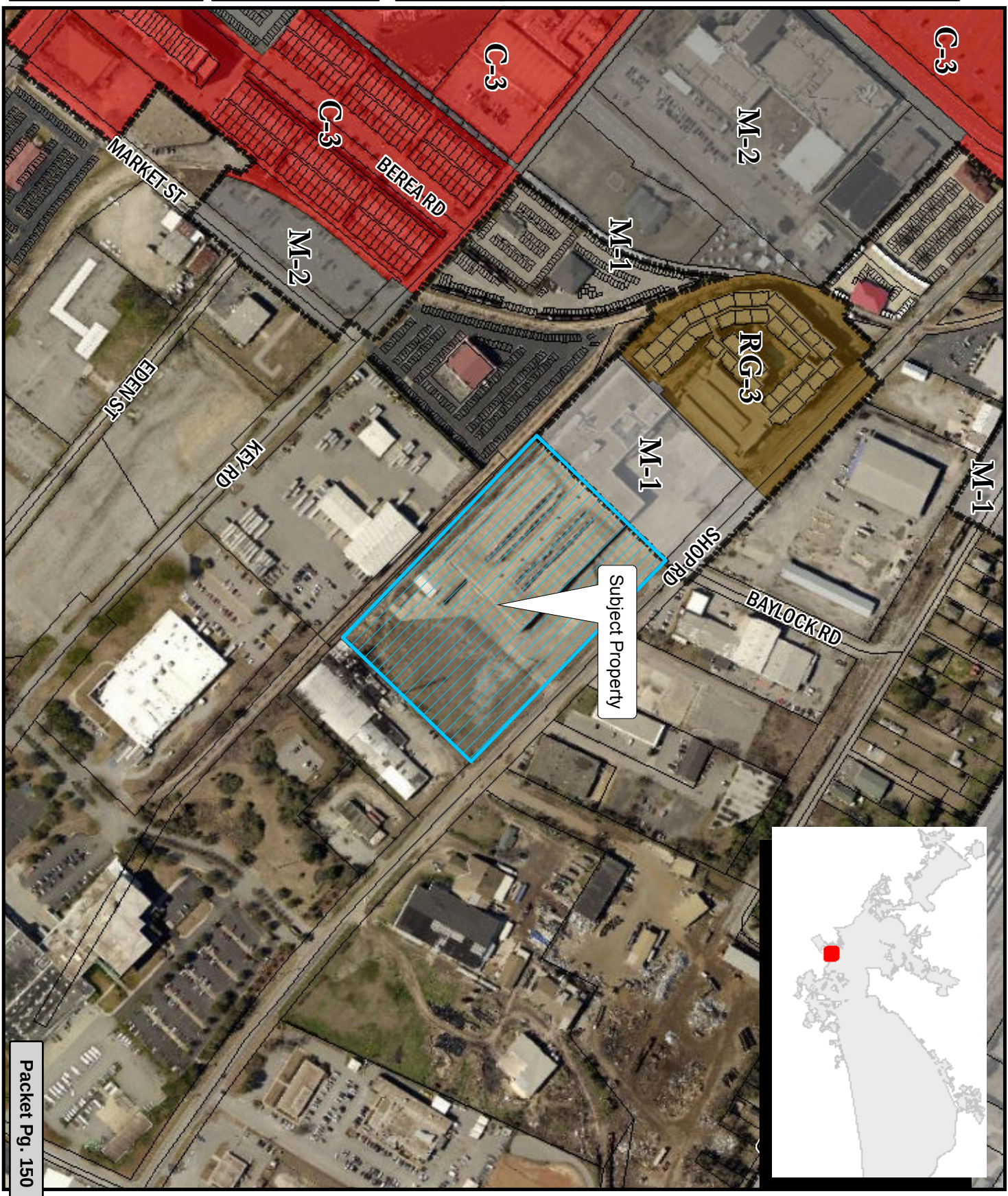
Shane Shaughnessy
February 16, 2017

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We Are Columbia



STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

The undersigned, being the owner(s) of the property described below hereby petitions the Mayor and City Council for annexation to the City of Columbia, South Carolina pursuant to S.C. Code Ann. Section 5-3-150, 1976, as amended.

Property Description:

All that certain piece, parcel or tract of land, with the improvements thereon, if any, situate, lying and being on the southwest side of Shop Road near the southern limits of the City of Columbia, in the County of Richland, State of South Carolina, containing 7.31 acres, being designated as Parcel "A" as shown on a plat of Property Surveyed for William M. Gregg, II made by B.P. Barber & Associates, dated November 25, 1957, last revised November 23, 1988, and filed for record in the Office of the Register of Deeds for Richland County, South Carolina, in Plat Book 52 at Page 4211. Said tract of land containing the same buttings, boundings and dimensions as shown on said plat.

Richland County TMS: 11210-01-01

Property Address: 1115 Shop Road

OWNER/ SELLER:

1115 & 1087 Shop Rd, LLC

a South Carolina limited liability company

By: Truluck Industries, Inc.,
a South Carolina corporation

Its: Manager

By: Charles E. Truluck
Charles E. Truluck, Director

Date: 2-23-2017

By: Douglas H. Truluck
Douglas H. Truluck, Director

Date: 2-23-2017

By: Charles E. Truluck, Jr.
Charles E. Truluck, Jr., Director

Date: 2-23-2017

By: Brad L. Truluck
Brad L. Truluck, Director

Date: 2-23-2017

BUYER:

Reign Living, LLC

By: Scott E. Sharp

Scott E. Sharp
(Print or Type Name)

Its: President
(Print or Type Title)

Date: 2-23-2017



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Comprehensive Plan Future Land Use Map Amendment - 30 National Guard Road; TMS# 11100-01-04

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-036 - Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map for 30 National Guard Road, Richland County TMS #11100-01-04

City Council District:3

Proposal:Request to amend Chapter 8.3 of The Columbia Plan 2018 – Future Land Use Map to modify the land use classification from EC to SD-1.

Applicant:City of Columbia Planning & Development Services

Staff Recommendation:Approval

PC Recommendation:03/06/2017; Cancelled 03/20/2017; Approval (6-0)

ATTACHMENTS:

- **#a:** LUMA_30_NationalGuardRd (PDF)
- **#b:** 2017-036 add 30 National Guard Road to Comprehensive Plan 2018 (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

COMPREHENSIVE PLAN – FUTURE LAND USE MAP AMENDMENT CASE SUMMARY

30 National Guard Road; TMS# 11100-01-04

City Council District:	3
Proposal:	Request to amend Chapter 8.3 of <i>The Columbia Plan 2018 – Future Land Use Map</i> to modify the land use classification from EC to SD-1.
Applicant:	City of Columbia Planning & Development Services
Staff Recommendation:	Approval
PC Recommendation:	03/06/2017; Cancelled 03/20/2017; Approval (6-0)
PH, 1 st Reading:	05/16/2017; PENDING
PH, 2 nd Reading:	06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: 25.74 acres

Current Use: Vacant

Proposed Use: Held by USC foundation for University uses; adjacent to planned intramural fields and golf practice facility

Current Land Use Classification: Employment Campus (EC)

Current Zoning: Light Industrial District (M-1)

Proposed Land Use Classification: Sports/Amusement District (SD-1)

Census Tract: 117.01

PLANS, POLICIES, AND LAND USE

The Columbia Plan 2018: Comprehensive Plan Land Use Classification

The subject property is designated Employment Campus (EC) in The Columbia Plan 2018 Future Land Use Map.

These are areas dedicated to concentrations of employment uses ranging from professional services, research and development, and light productions facilities. They are often designed in parks with internal street networks, extensive green spaces and large format buildings. These districts are most often found at the urban edge and

require large tracts of land. These campuses are comprised primarily of office buildings including corporate offices, medical or professional offices, medical research facilities, office suites, non-polluting manufacturing and research and development uses. Redevelopment and infill in these districts with more supporting uses like multi-family residential and other retail/entertainment uses is encouraged with access to multi-modal transit stops in and near the employment campus.

Staff recommends that the subject property be designated Sports/Amusement District (SD-1) in The Columbia Plan 2018 Future Land Use Map.

These are areas dedicated to large format gathering places such as stadiums, ball parks, fair grounds, exposition centers, coliseums, race tracks, and amusement parks.

Employment Campus (EC):

Primary Types

- Medium to High-rise Office/Services
- Medium to Extra Large Format Flex

Secondary Types

- Multi-family Medium to High-rise Mixed-use
- Parking Structures

Tertiary Types

- Small to Large Commercial
- Single-family Attached
- Small to High-rise Multi-family
- Parking Lots

Sports/Amusement District (SD-1):

Primary Types:

- Small to Large Entertainment

Secondary Types:

- Small to Large Format Hospitality and Office/Services
- Small to Extra Large Format Retail/Service
- Parking Structures and Lots

Tertiary Types

- Multi-family Medium to High-rise

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is not covered by an area plan which has been adopted by the City of Columbia or Richland County.

STAFF RECOMMENDATION

Staff recommends that City Council adopt an ordinance to amend Chapter 8.23 of *The Columbia Plan: 2018 – Future Land Use Map* to modify the land use classification for the property from EC to SD-1.



Future Land Use Map

30 National Guard Road; TMS# 111 7.a
Current FLU: EC; Proposed FLU: SD-1

Department of Planning &
Development Services

Legend

-  CITY LIMITS
-  PARCELS
-
-  UCMR-1 - Urban Core Mixed Residential-1
-  UCMR-2 - Urban Core Mixed Residential-2
-  UEMR - Urban Edge Mixed Residential
-  UEMF - Urban Edge Multi-Family
-  UCR-1 - Urban Core Residential Small Lot
-  UCR-2 - Urban Core Residential Large Lot
-  UER-1 - Urban Edge Residential Small Lot
-  UER-2 - Urban Edge Residential Large Lot
-  UCAC-1 - Urban Core Neighborhood Activity Center
-  UCAC-2 - Urban Core Community Activity Center
-  UEAC-1 - Urban Edge Community Activity Center
-  UCAC-3 - Urban Core Regional Activity Center
-  UEAC-2 - Urban Edge Regional Activity Center
-  AC-1 - Neighborhood Activity Corridor
-  AC-2 - Community Activity Corridor
-  AC-3 - Regional Activity Corridor
-  EC - Employment Campus
-  IND - Industrial
-  TU - Transportation & Utilities
-  SD-1 - Sports/Amusement District
-  SD-2 - Civic/Institutional Districts
-  SD-3 - Central Business District
-  SD-4 - Riverbanks Zoo and Garden
-  SD-5 - Universities/Colleges
-  SD-6 - Fort Jackson



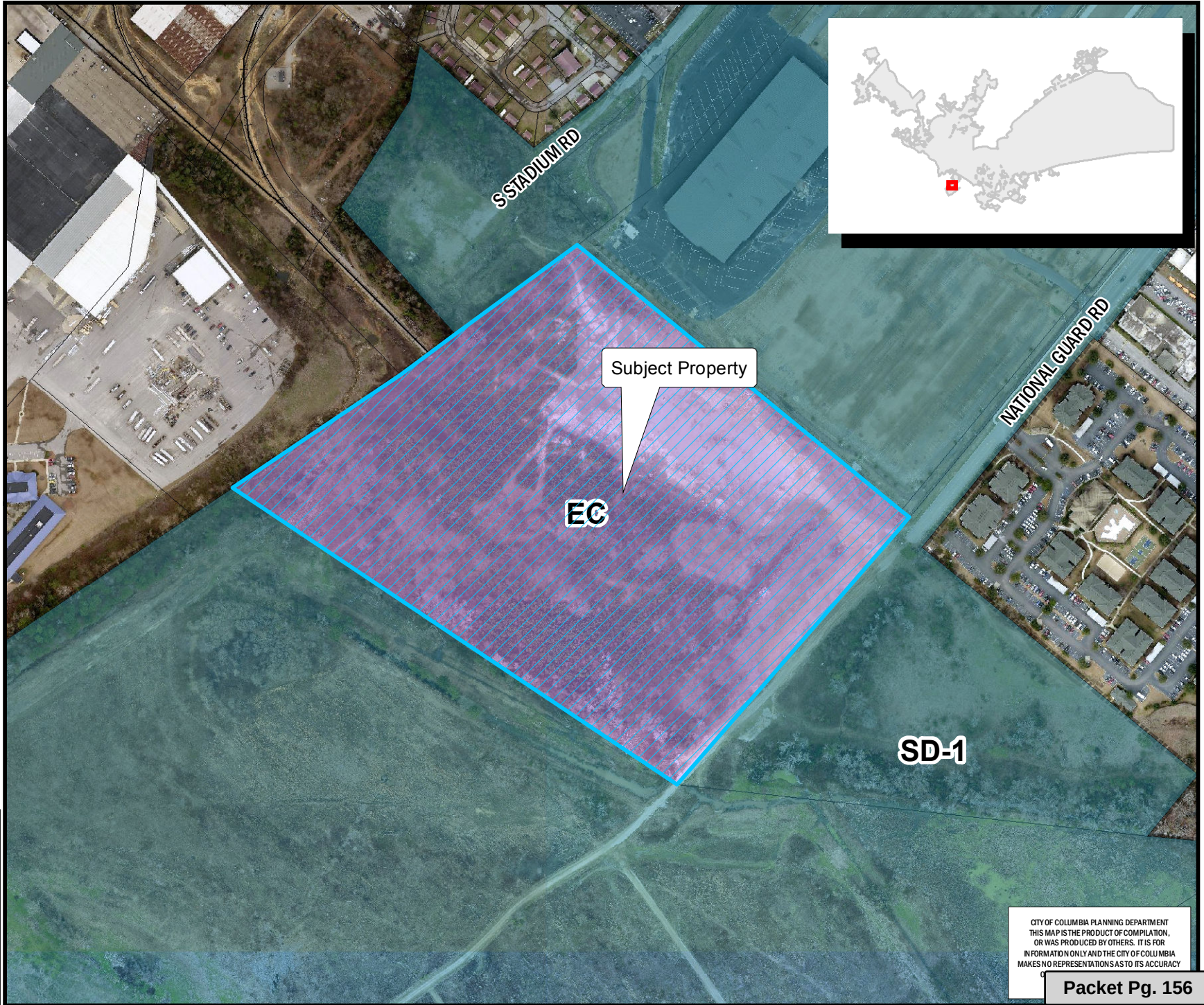
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ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
January 26, 2017



We Are Columbia



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Packet Pg. 156

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

30 National Guard Road; TMS# 111
Existing Zoning: M-1

7.a

Legend

 CITY LIMITS
 PARCELS

 D-1	 C-1
 RS-1	 C-2
 RS-1A	 C-3
 RS-1B	 C-3A
 RS-2	 C-4
 RS-3	 C-5
 RD	 M-1
 RD-2	 M-2
 RG-1	 PUD-C
 RG-1A	 PUD-LS
 RG-2	 PUD-LS-E
 RG-3	 PUD-LS-R
 UTD	 PUD-R
 MX-1	 OUT OF CITY
 MX-2	



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ORIGINAL PREPARATION/DATE:
This map was prepared by:

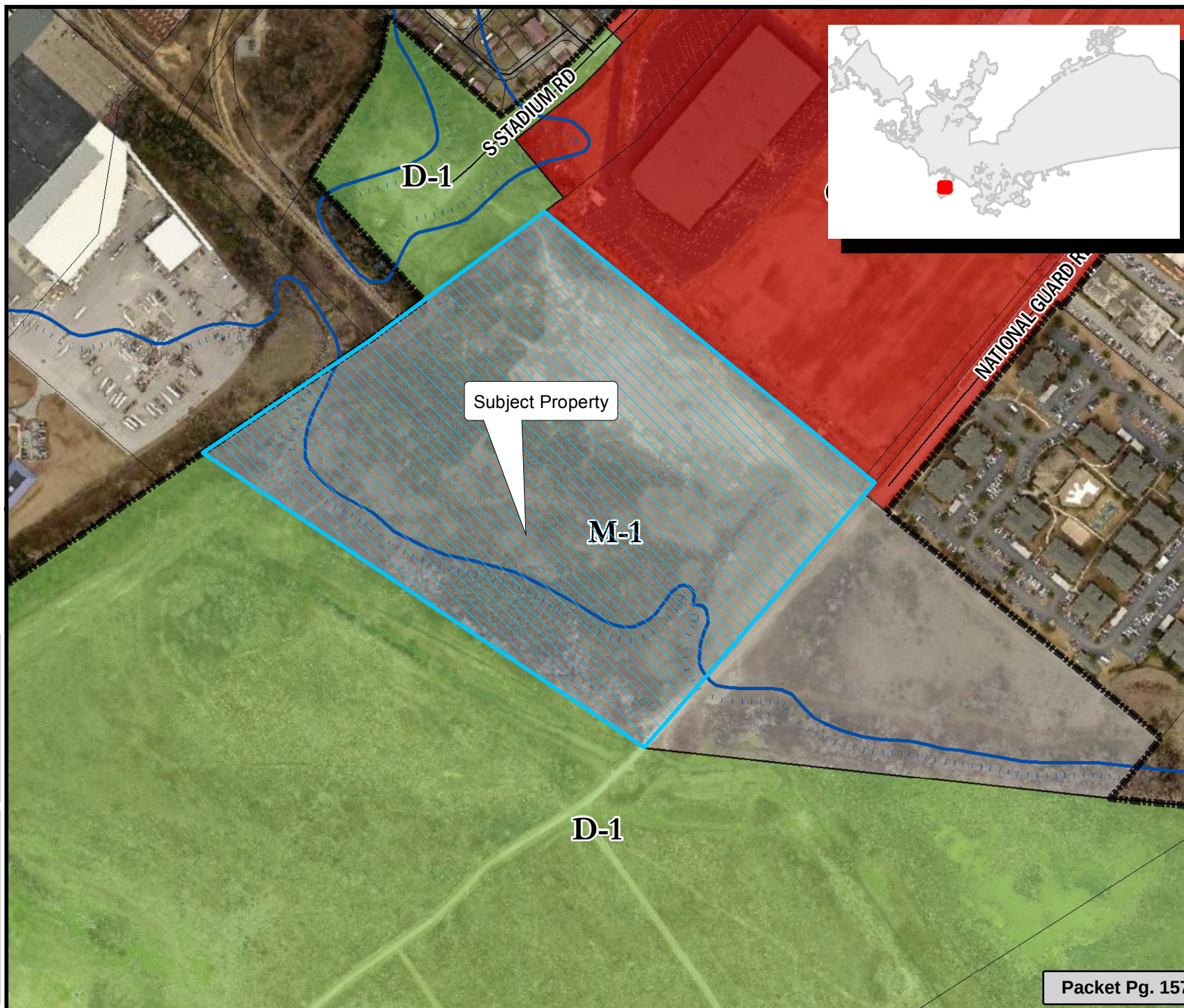
Shane Shaughnessy
January 26, 2017

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We Are Columbia



Packet Pg. 157

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

ORDINANCE NO.: 2017-036

*Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map for
30 National Guard Road, Richland County TMS #11100-01-04*

WHEREAS, the City of Columbia and community at large recognize the value of planning for future development and growth; and,

WHEREAS, City Council approved Ordinance No.: 2008-085 on October 1, 2008 adopting the City of Columbia Comprehensive Plan 2018 in accordance with the South Carolina Comprehensive Planning Act of 1994 (Title 6, Chapter 29 of the SC Code); and,

WHEREAS, City Council approved Ordinance No.: 2015-014 on February 17, 2015 amending the City of Columbia Comprehensive Plan 2018 deleting the "Existing and Future Land Use Components of the Physical Area Development Element of The Columbia Plan: 2018" and replaced it with "Plan Columbia Land Use Plan Putting the Pieces Together", along with all the maps and policies contained therein; and,

WHEREAS, 30 National Guard Road, Richland County TMS #11100-01-04 was included within Plan Columbia Land Use Plan Putting the Pieces in Place adopted by City Council on February 17, 2015, and was assigned the designated future land use classification of Employment Campus (EC), while the future land use classification of Sports/Amusement District (SD-1) is more appropriate, and the Future Land Use Map shall be amended accordingly; and,

WHEREAS, the City of Columbia Planning Commission has provided input and recommendations in response to the public input and findings NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia this ___ day of _____, 2017, that the designated land use for 30 National Guard Road, Richland County TMS #11100-01-04 was identified as Employment Campus (EC) in Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015. This property is apportioned to City Council District 3, Census Tract 117.01, contains 25.74 acres, and the land use classification shall be amended to Sports/Amusement District (SD-1).

Requested by:

Assistant City Manager Gentry

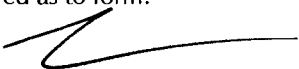
Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Comprehensive Plan Future Land Use Map Amendment - 6825 Pennington Road, 843 Pepper Street and 851 Pepper Street; TMS# 16407-07-02, 16407-07-05 and 16407-07-04

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-035 - Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map for 6825 Pennington Road, 843 Pepper Street and 851 Pepper Street, Richland County TMS #16407-07-02, 16407-07-05 and 16407-07-04

City Council District: 4

Proposal: Request to amend Chapter 8.3 of The Columbia Plan 2018 – Future Land Use Map to modify the land use classification from AC-2 to IND.

Applicant: City of Columbia Planning & Development Services

Staff Recommendation: Approval

PC Recommendation: 03/06/2017; Cancelled; 03/20/2017; Approval (6-0)

ATTACHMENTS:

- **#a:** LUMA_Pepper_Pennington (PDF)
- **#b:** 2017-035 add 6825 Pennington 843 & 851 Pepper to Comprehensive Plan 2018 Future Land Use Map (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

COMPREHENSIVE PLAN – FUTURE LAND USE MAP AMENDMENT CASE SUMMARY

**6825 Pennington Road, 843 Pepper Street and 851 Pepper Street;
TMS# 16407-07-02, 16407-07-05 and 16407-07-04**

City Council District:	4
Proposal:	Request to amend Chapter 8.3 of <i>The Columbia Plan 2018 – Future Land Use Map</i> to modify the land use classification from AC-2 to IND.
Applicant:	City of Columbia Planning & Development Services
Staff Recommendation:	Approval
PC Recommendation:	03/06/2017; Cancelled 03/20/2017; Approval (6-0)
PH, 1 st Reading:	05/16/2017; PENDING
2 nd Reading:	06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: 2.94 acres

Current Uses: Book bindery, assorted commercial and warehousing

Proposed Uses: Book bindery, assorted commercial and warehousing

Current Land Use Classification: Community Activity Corridor (AC-2)

Current Zoning: Light Industrial District (M-1)

Proposed Land Use Classification: Industrial (IND)

Census Tract: 116.03

PLANS, POLICIES, AND LAND USE

The Columbia Plan 2018: Comprehensive Plan Land Use Classification

The subject property is designated Community Activity Corridor (AC-2) in The Columbia Plan 2018 Future Land Use Map.

Community Activity Corridors are a linear extension of a Community Activity Center. They contain nearly identical building types and uses to a Community Activity Center; the primary difference is the configuration of te

lots and the lack of an internal subdivision or street network. Uses are built on frontage lots along principal and minor arterial roadways. They serve surrounding neighborhoods within a 3-5 mile drive and typically consist of a variety of commercial and service uses.

Staff recommends that the subject property be designated Industrial (IND) in The Columbia Plan 2018 Future Land Use Map.

The City's industrial districts are located throughout the City and include a range of building types and uses dedicated to the processing, mining, manufacturing, warehousing, outdoor storage, and distribution of materials or goods. These areas are appropriate for uses that have heavy freight traffic, and which may generate noise, odors, or other impacts. These areas should be adequately large to accommodate the uses and provide buffers and sufficient street infrastructure to accommodate the needs of the businesses.

Community Activity Corridor (AC-2):

Primary Types

- Small and Medium Business/Employment (excl. Flex)
- Multi-family Small and Medium Mixed-use

Secondary Types

- Multi-family Small and Medium

Tertiary Types

- Civic/Institutional
- Large Format Business/Employment (excl. Flex)
- Single-family Attached
- Cemeteries and Mausoleums
- Parking Structure and Lots

Industrial (IND):

Primary Types:

- Small to Extra Large Format Flex

Secondary Types:

- Parking Structures and Lots
- Power Utilities
- Water and Wastewater Treatment

Tertiary Types

- Small to Large Commercial (Entertainment, Retail/Services)
- Medium to Large Business/Employment

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is not covered by an area plan which has been adopted by the City of Columbia or Richland County.

STAFF RECOMMENDATION

Staff recommends that City Council adopt an ordinance to amend Chapter 8.23 of *The Columbia Plan: 2018 – Future Land Use Map* to modify the land use classification for the property from AC-2 to IND.



Future Land Use Map

Department of Planning & Development Services

6825 Pennington Road, 843 Pepper Street and 851 Pepper Street;
TMS# 16407-07-02, 16407-07-05 and 16407-07-04; Current FLU: AC-2; Proposed FLU: IND

8.a

Legend

-  CITY LIMITS
-  PARCELS
-  UCMR-1 - Urban Core Mixed Residential-1
-  UCMR-2 - Urban Core Mixed Residential-2
-  UEMR - Urban Edge Mixed Residential
-  UEMF - Urban Edge Multi-Family
-  UCR-1 - Urban Core Residential Small Lot
-  UCR-2 - Urban Core Residential Large Lot
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-  UCAC-1 - Urban Core Neighborhood Activity Center
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-  AC-3 - Regional Activity Corridor
-  EC - Employment Campus
-  IND - Industrial
-  TU - Transportation & Utilities
-  SD-1 - Sports/Amusement District
-  SD-2 - Civic/Institutional Districts
-  SD-3 - Central Business District
-  SD-4 - Riverbanks Zoo and Garden
-  SD-5 - Universities/Colleges
-  SD-6 - Fort Jackson



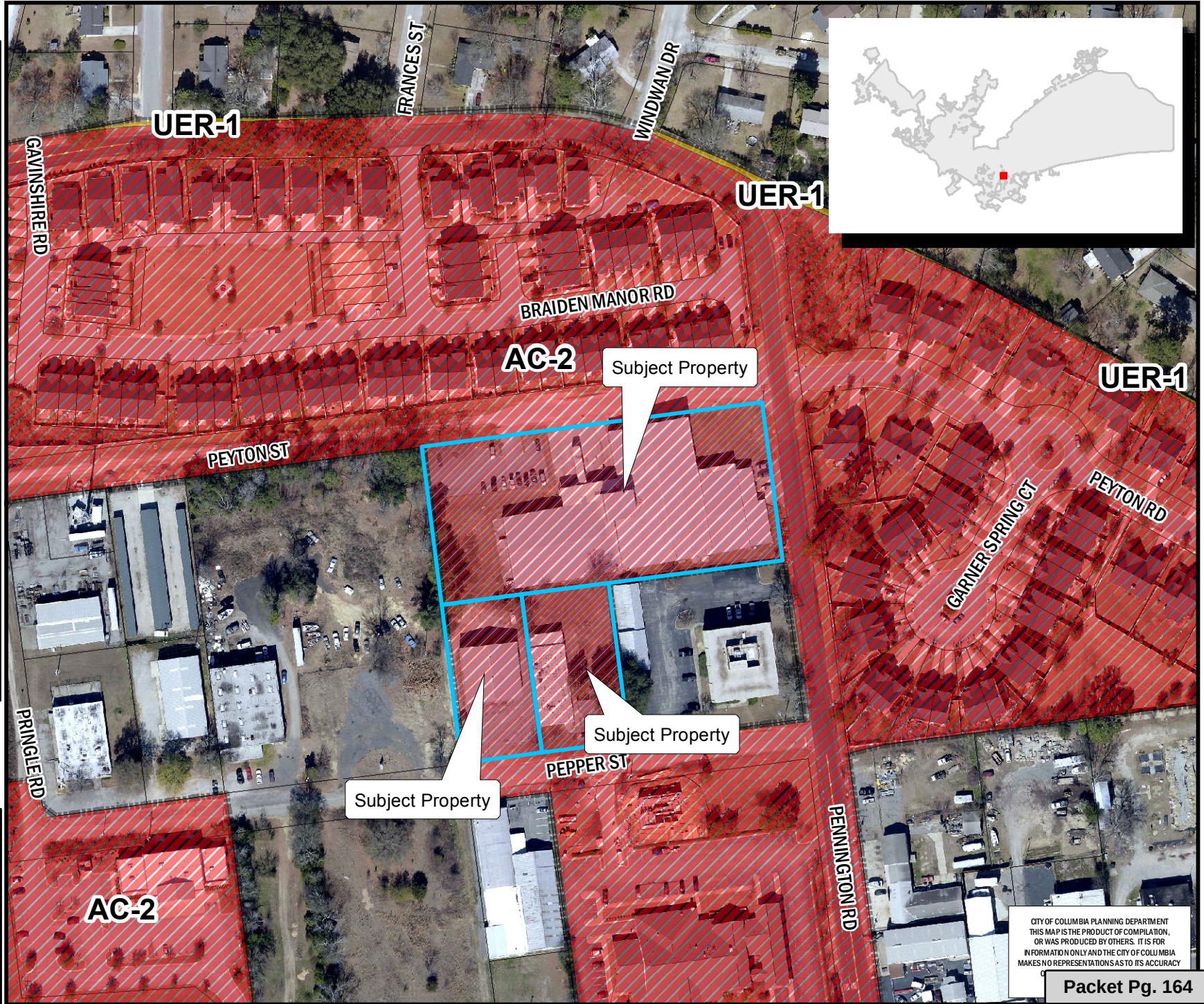
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ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
January 26, 2017



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Packet Pg. 164

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

6825 Pennington Road, 843 Pepper Street and 851 Pepper Street
TMS# 16407-07-02, 16407-07-05 and 16407-07-04; Existing Zoning: M-1

8.a

Legend

CITY LIMITS
 PARCELS

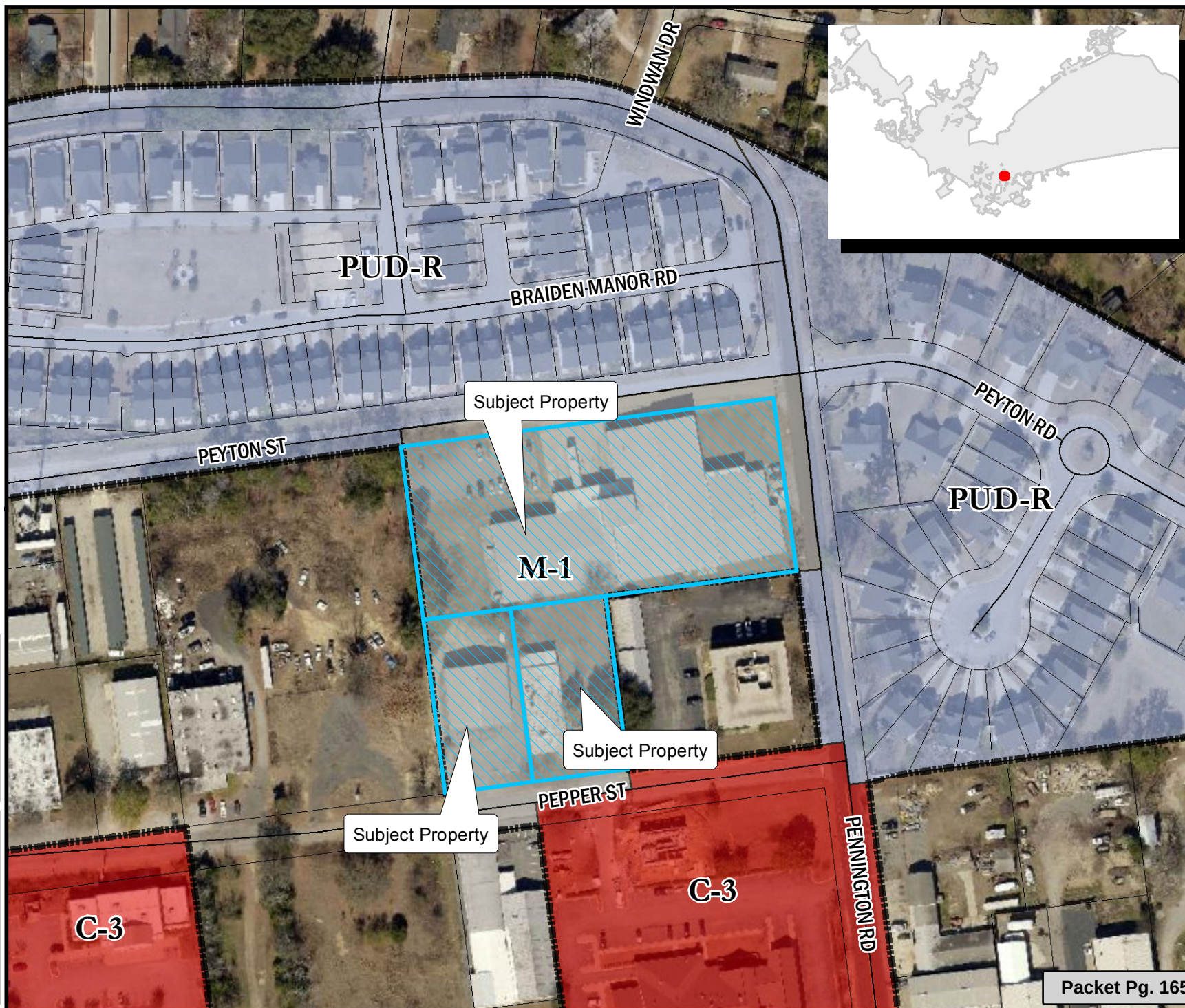
D-1	C-1
RS-1	C-2
RS-1A	C-3
RS-1B	C-3A
RS-2	C-4
RS-3	C-5
RD	M-1
RD-2	M-2
RG-1	PUD-C
RG-1A	PUD-LS
RG-2	PUD-LS-E
RG-3	PUD-LS-R
UTD	PUD-R
MX-1	OUT OF CITY
MX-2	

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ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
January 26, 2017

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ORDINANCE NO.: 2017-035

*Amending the City of Columbia Comprehensive Plan 2018 Future Land Use Map for
6825 Pennington Road, 843 Pepper Street and 851 Pepper Street, Richland County TMS #16407-07-02,
16407-07-05 and 16407-07-04*

WHEREAS, the City of Columbia and community at large recognize the value of planning for future development and growth; and,

WHEREAS, City Council approved Ordinance No.: 2008-085 on October 1, 2008 adopting the City of Columbia Comprehensive Plan 2018 in accordance with the South Carolina Comprehensive Planning Act of 1994 (Title 6, Chapter 29 of the SC Code); and,

WHEREAS, City Council approved Ordinance No.: 2015-014 on February 17, 2015 amending the City of Columbia Comprehensive Plan 2018 deleting the "Existing and Future Land Use Components of the Physical Area Development Element of The Columbia Plan: 2018" and replaced it with "Plan Columbia Land Use Plan Putting the Pieces Together", along with all the maps and policies contained therein; and,

WHEREAS, 6825 Pennington Road, 843 Pepper Street and 851 Pepper Street, Richland County TMS #16407-07-02, 16407-07-05 and 16407-07-04 was included within Plan Columbia Land Use Plan Putting the Pieces in Place adopted by City Council on February 17, 2015, and was assigned the designated future land use classification of Community Activity Corridor (AC-2), while the future land use classification of Industrial (IND) is more appropriate, and the Future Land Use Map shall be amended accordingly; and,

WHEREAS, the City of Columbia Planning Commission has provided input and recommendations in response to the public input and findings NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia this __ day of _____, 2017, that the designated land use for 6825 Pennington Road, 843 Pepper Street and 851 Pepper Street, Richland County TMS #16407-07-02, 16407-07-05 and 16407-07-04 was identified as Community Activity Corridor (AC-2) in Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015. This property is apportioned to City Council District 4, Census Tract 116.03, contains 2.94 acres, and the land use classification shall be amended to Industrial (IND).

Requested by:

Assistant City Manager Gentry

Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Zoning Map Amendment - Willow Street S-40-506 (formerly Pine Street); South of TMS# 11601-25-01

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Council District: 2

Proposal: Request to rezone the parcel from RG-1A to RG-2

Applicant: Gilbert Walker, Columbia Housing Authority

Staff Recommendation: Approval

PC Recommendation: 04/03/2017; Approval (7-0)

ATTACHMENTS:

- **#a:** ZMA_WillowStreet (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

ZONING MAP AMENDMENT CASE SUMMARY

Willow Street S-40-506 (formerly Pine Street); South of TMS# 11601-25-01

Council District:	2
Proposal:	Request to rezone the parcel from RG-1A to RG-2
Applicant:	Gilbert Walker, Columbia Housing Authority
Staff Recommendation:	Approval
PC Recommendation:	04/03/2017; Approval (7-0)
PH, 1 st Reading:	05/16/2017; PENDING
2 nd Reading:	06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: ~0.39 acres

Current Use: Street (Abandoned and Unused)

Proposed Use: Multifamily Residential

Land Use Classification: Urban Core Residential – Small Lot (UCR-1)

Proposed Land Use Classification: Urban Core Residential – Small Lot (UCR-1)

Current Zoning: General Residential District (RG-1A)

Proposed Zoning: General Residential District (RG-2)

PLANS, POLICIES, AND LAND USE

The Columbia Plan 2018: Comprehensive Plan Land Use Classification

The subject property is currently designated Urban Core Residential – Small Lot (UCR-1) in The Columbia Plan 2018 Future Land Use Map.

Urban Core Residential Small Lot neighborhoods are common just outside the urban center, most were subdivided before 1950 and many continue the grid or street network from the original planned portion of the City. This development type may represent existing neighborhoods and is also a development form appropriate

for medium to large-scale redevelopments or infill sites. Traditional and contemporary architectural styles have a place in these neighborhoods. When infill development is designed, scale and orientation of existing structures on the block should act as design presets.

Primary Types:

- Single-family Detached

Secondary Types:

- Single-family Attached
- Two-family
- Three-family

Tertiary Types

- Multi-family Small
- Small Format Office/Service
- Cemeteries & Mausoleums

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is located within the *Walkable 29203 Plan* study area; the draft *Walkable 29203 Plan* has been scheduled for Council review in June. As the subject property is neither within the North Main nor Crane Creek planning areas, no specific infrastructure recommendations are made which about the parcel, however the general policy recommendations set forth by the plan, inclusive of pursuing healthy food access initiatives, would apply to this area.

PROPOSED ZONING DISTRICT SUMMARY

The subject property is currently zoned General Residential District (RG-1A). The abutting properties are zoned General Residential District (RG-2) to the North and West, Single-Family Residential District (RS-3) to the East, and General Residential District (RG-1A) to the South.

General Residential District (RG-2)

The RG-1, RG-1A and RG-2 districts are intended as medium and high density residential areas permitting progressively higher population densities, characterized by single-family detached, two-family detached and multiple-family structures, and garden type apartments. Certain structures and uses required to serve governmental, educational, religious, noncommercial recreational and other needs of the areas are permitted outright or are permissible as special exceptions subject to restrictions and requirements intended to preserve and protect the residential character of the districts.

STAFF RECOMMENDATION

Staff recommends that the Planning Commission recommend City Council approve the rezoning of the parcel to RG-2.



Future Land Use Map

Department of Planning &
Development Services

Willow Street S-40-506 (formerly Pine St) 9.a
South of TMS# 11601-25-01; Existing FLU: UCR-1

Legend

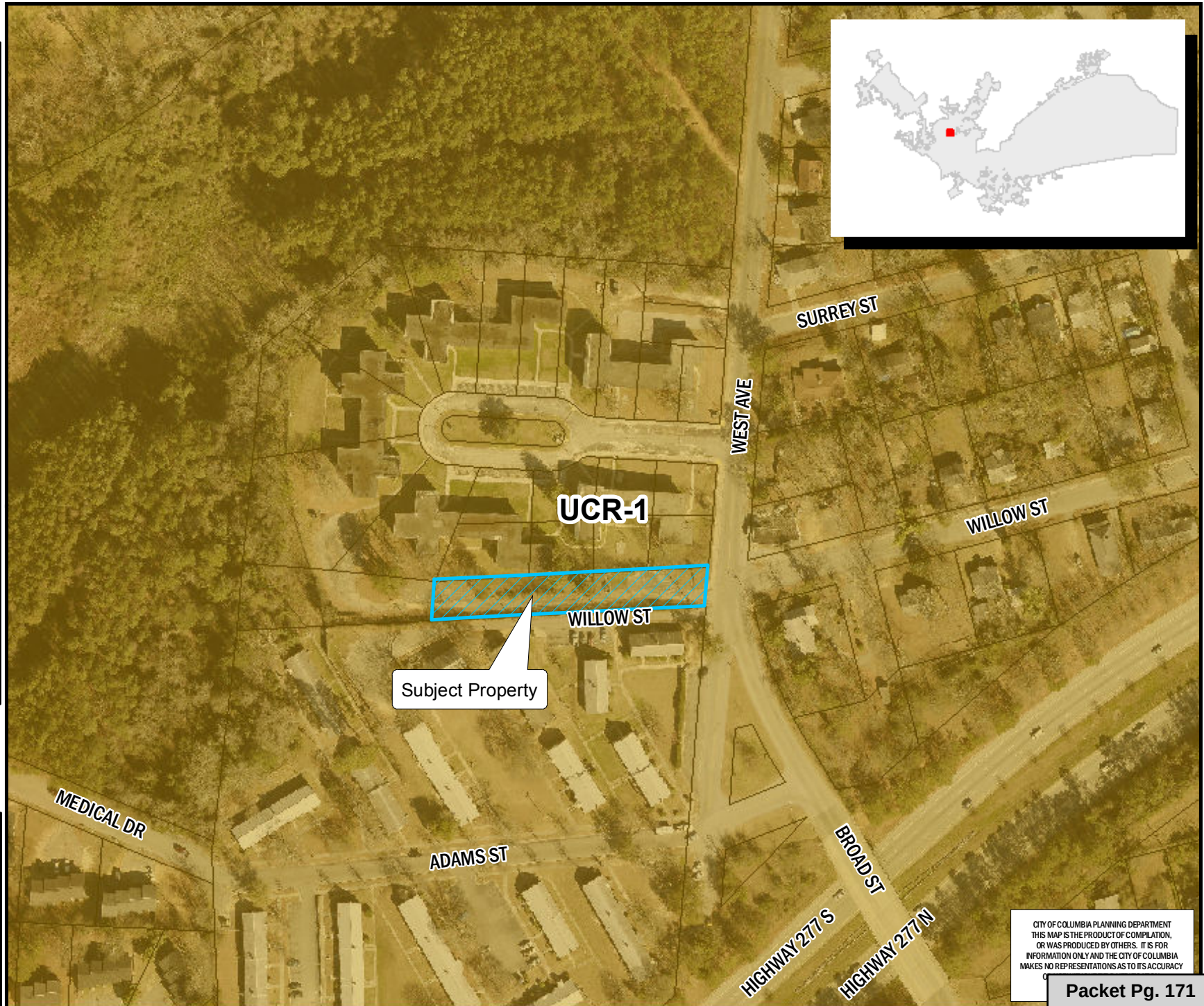
CITY LIMITS
PARCELS

- UCMR-1 - Urban Core Mixed Residential-1
- UCMR-2 - Urban Core Mixed Residential-2
- UEMR - Urban Edge Mixed Residential
- UEMF - Urban Edge Multi-Family
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- SD-2 - Civic/Institutional Districts
- SD-3 - Central Business District
- SD-4 - Riverbanks Zoo and Garden
- SD-5 - Universities/Colleges
- SD-6 - Fort Jackson

0 25 50 100 Feet

North Arrow

ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
March 14, 2017



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Packet Pg. 171

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

Willow Street S-40-506 (formerly Pine Street); South of TMS# 1160
Existing Zoning: RG-1A; Proposed Zoning: RG-2

Legend

CITY LIMITS
 PARCELS

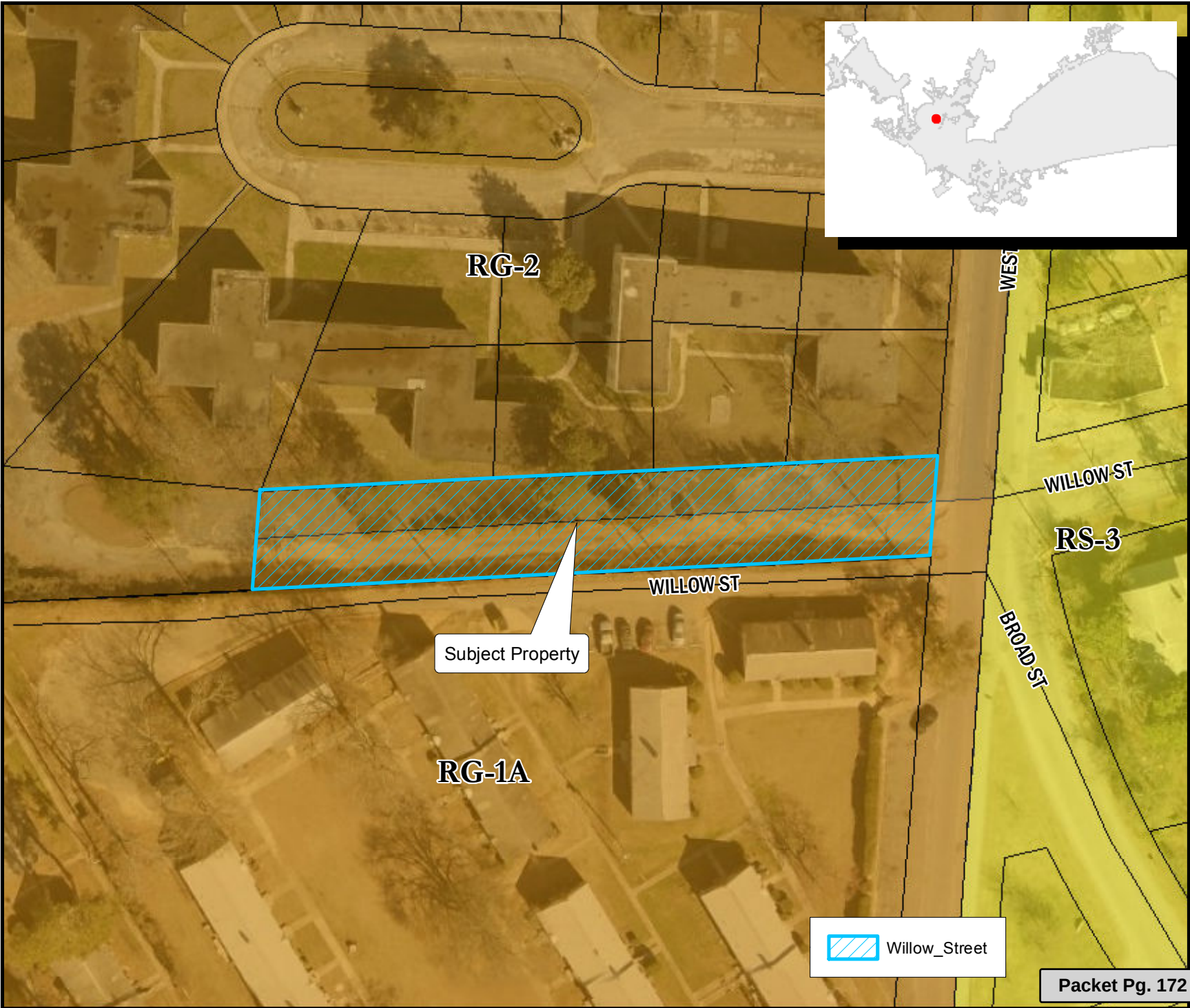
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RS-1	C-2
RS-1A	C-3
RS-1B	C-3A
RS-2	C-4
RS-3	C-5
RD	M-1
RD-2	M-2
RG-1	PUD-C
RG-1A	PUD-LS
RG-2	PUD-LS-E
RG-3	PUD-LS-R
UTD	PUD-R
MX-1	OUT OF CITY
MX-2	

0 12.5 25 50 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
March 23, 2017

DISCLAIMER:
The City of Columbia Department of Planning and Development Services data represented on this map or plan is the product of compilation, as produced by others. It is provided for informational purposes only and the City of Columbia makes no representation as to its accuracy. Its use without field verification is at the sole risk of the user.





We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Resolution No.: R-2017-051 - Authorizing consumption of beer and wine only within Boyd Plaza adjacent to the Columbia Museum of Art for the Wicked Weed Brewery Launch on Wednesday, June 14, 2017

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** R-2017-051 Wicked Weed Brewery Launch (June 14) (PDF)

RESOLUTION NO.: R-2017-051

Authorizing consumption of beer and wine only within Boyd Plaza adjacent to the Columbia Museum of Art for the Wicked Weed Brewery Launch on Wednesday, June 14, 2017

WHEREAS, the Columbia Museum of Art is sponsoring the Wicked Weed Brewery Launch in Boyd Plaza adjacent to the Museum on Wednesday, June 14, 2017 from 6:00 p.m. until 10:00 p.m.; and,

WHEREAS, the Museum has requested permission for the temporary closing and use of the courtyard/plaza area adjacent to the Museum on Wednesday, June 14, 2017 from 5:00 p.m. until 10:30 p.m. for set up, clean up, and staging of the event to be held on Wednesday, June 14, 2017 from 6:00 p.m. until 10:00 p.m.; for patrons to consume beer and wine beverages only during the event hours on Wednesday, June 14, 2017 from 6:00 p.m. until 9:30 p.m.; and for crowd control and overflow; and,

WHEREAS, it has been determined that such an event would be in the public interest; NOW, THEREFORE,

BE IT RESOLVED by the Mayor and Council this ____ day of _____, 2017, that the sale of beer and wine beverages only within the Courtyard area adjacent to the Columbia Museum of Art is authorized between the hours of 6:00 p.m. and 9:30 p.m. on Wednesday, June 14, 2017; and,

BE IT FURTHER RESOLVED that all vendors be restricted to stationary location; and,

BE IT FURTHER RESOLVED that outdoor possession and consumption of beer and wine beverages, all outdoor musical performances and use of sound-amplifying devices shall end by 10:00 p.m. due to the proximity of the event to residential properties; and,

BE IT FURTHER RESOLVED that only pedestrian traffic will be allowed within the area. All other traffic, including, but not limited to, automobiles, trucks, motorcycles, mopeds, bicycles, skate boards, and horses, except police horses, is prohibited. All pets shall be prohibited. Coolers, glass bottles, breakable glasses and/or cups, large bags and backpacks shall be prohibited; and,

BE IT FURTHER RESOLVED that VIP tents or VIP areas within the event area are prohibited; and,

BE IT FURTHER RESOLVED that organizer is responsible or shall make arrangements for the cleanup of all trash and debris within the festival area and within the designated area of impact as shown on the attached drawing, and shall place same in the roll carts provided by the City. Any overflow of trash and debris shall be placed in garbage bags with the top securely closed and placed beside the City roll carts. The number of roll carts needed for the event shall be determined by organizer and the City Solid Waste Division prior to the event and placed throughout the event area to ensure that trash and debris are well contained. Roll carts and bagged trash and debris shall be returned to the collection point designated by the City in a timely manner. If the organizer has not opted to use City services to clean up the festival area and within the designated area of impact as shown on the attached drawing, any costs incurred by the City in removing loose trash and debris within the festival area and within the designated area of impact as shown on the attached drawing, which the organizer has failed to clean up, shall be billed to and paid by the organizer; and,

BE IT FURTHER RESOLVED that during the designated time the closed portion of the courtyard/plaza area adjacent to the Museum, with the exception of the parking areas, adjacent off-street parking areas and other areas posted as to not allow alcoholic beverages, shall be declared to be a Public Park and provisions of Chapter 15, Parks and Recreation, Sec. 15-1, 15-2 and 15-3, Code of Ordinances of the City of Columbia, South Carolina are in effect. Pursuant to Chapter 14, Offenses and Miscellaneous Provisions, Article IV,

Offenses Against the Public Peace and Order, Sec. 14-99, 1998 Code of Ordinances of the City of Columbia, South Carolina, the courtyard/plaza area adjacent to the Museum, with the exception of the parking areas, adjacent off-street parking areas and any other areas posted as to not allow alcoholic beverages, is deemed to be the site of a public festival at which beer and wine beverages only may be consumed and the prohibition against possession or consumption of alcoholic beverages set forth in Sec. 14-99 shall not apply. Possession and consumption of beer and wine beverages shall be permitted only in plastic cups, plastic or aluminum bottles or aluminum cans provided by vendors within the areas designated.

PROVIDED, FURTHER, that the event organizer shall provide the names and cell phone numbers of a least two contact persons who can receive complaints during the event, including any set up and breakdown times. The cell phones shall remain on at all times during the event and during any set up and breakdown time.

PROVIDED, FURTHER, that failure of the event organizer to strictly comply with the time frames and other requirements and responsibilities set forth in this resolution may result in a denial of subsequent requests to allow the event.

PROVIDED, HOWEVER, that no solicitation or transactions be made in violation of Sec. 14-32, 1998 Code of Ordinances of the City of Columbia, South Carolina.

BE IT FURTHER RESOLVED that in the event of inclement weather on Wednesday, June 14, 2017, the City Manager is authorized to approve the rescheduling of the canceled event for another date within one (1) week from the date of the originally scheduled event upon receiving twenty-four (24) hours written notice requesting the rescheduling of the event. The hours of operation for the event, service of beer and wine only at the event and closing of streets for set up, clean up and crowd control of the event shall remain as outlined above.

BE IT FURTHER RESOLVED that should the organizer reschedule the event for another date beyond one (1) week from the date of the originally scheduled event, a request for a resolution of City Council approving the new date of the event shall be required.

Requested by:

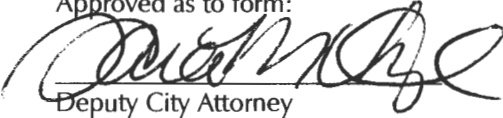
Senior Assistant City Manager Baker

Mayor

Approved by:

City Manager

Approved as to form:


Deputy City Attorney

ATTEST:

City Clerk

Introduced:

Final Reading:

DATE OF REQUEST

06/14/17

REQUESTOR'S NAME/CONTACT
INFORMATION (E-MAIL/
PHONE#/FAX#)Mario Guevara
mario@columbiamuseum.org
803-343-2212

EVENT NAME/PURPOSE (i.e., St. Patrick's/Charity Fund-raiser)

Wicked Weed Brewery Launch

DATE(S) OF EVENTS:

June 14th, 2017

LOCATION OF EVENT

(i.e., Amphitheater area
of Finlay Park; 1300 and 1400 blocks
of Main Street between Lady Street
and Hampton Street)

Boyd Plaza

STREET(S) OR PARK AREA TO BE
CLOSED(i.e., 1300 and 1400 blocks of Main
Street between Lady Street and
Hampton Street; Amphitheater area of
Finlay Park; Boyd Plaza)

Boyd Plaza

HOURS FOR STREET(S) OR PARK AREA TO
BE CLOSED

(i.e., 5:00 p.m. - 12:00 a.m.)

ALLOW TIME FOR SET UP/CLEAN UP

5:00PM-10:30PM

HOURS OF EVENT

(i.e., 6:00 p.m. - 10:00 p.m.)*

6:00PM-10:00PM

HOURS OF SERVICE OF BEER/WINE BEVERAGES ONLY (NO LIQUOR**)

(Service should end one-half hour prior to end of event, i.e., event is 6-10 p.m., beer/wine service is 6:00PM-9:30PM
6-9:30 p.m.)*

Requests should be submitted by mail, e-mail or fax at least **NINETY (90) days in advance of the event** to allow for preparation and review of the Resolution and scheduling on Council's agenda. Requests may be sent by e-mail (slardis@columbiasc.net), fax (803-737-4250) or mailed to City Attorney's Office, ATTN: Shari Ardis, POB 667, Columbia, SC 29202. A draft Resolution will be prepared and forwarded for review to the event organizer, as well as to the City departments for coordination of City services and requirements (i.e., Police, Solid Waste, Parks and Recreation, etc.). **Approval from the adjoining business/property owners must be obtained before your request will be submitted to City Council if streets are to be closed off during business hours.** The event organizer is responsible for obtaining a permit or license if required by the South Carolina Department of Revenue.

***Outdoor possession and consumption of beer and wine beverages only, all outdoor musical performances and use of sound-amplifying devices shall end by 10:00 p.m. due to the proximity of the event to residential properties.**

****With the exception of the parks listed in Sec. 15-1 Prohibited acts in parks (8). POSSESSION OF LIQUOR IS STRICTLY PROHIBITED. VIP tents or VIP areas for possession and consumption of alcoholic beverages or alcoholic liquors within the event area are prohibited.**

NOTE: **This form should only be used for public events where beer and/or wine are to be sold and consumed on City property** (i.e., Five After Five, St. Patrick's Festival, Concerts in Finlay Park, etc.).

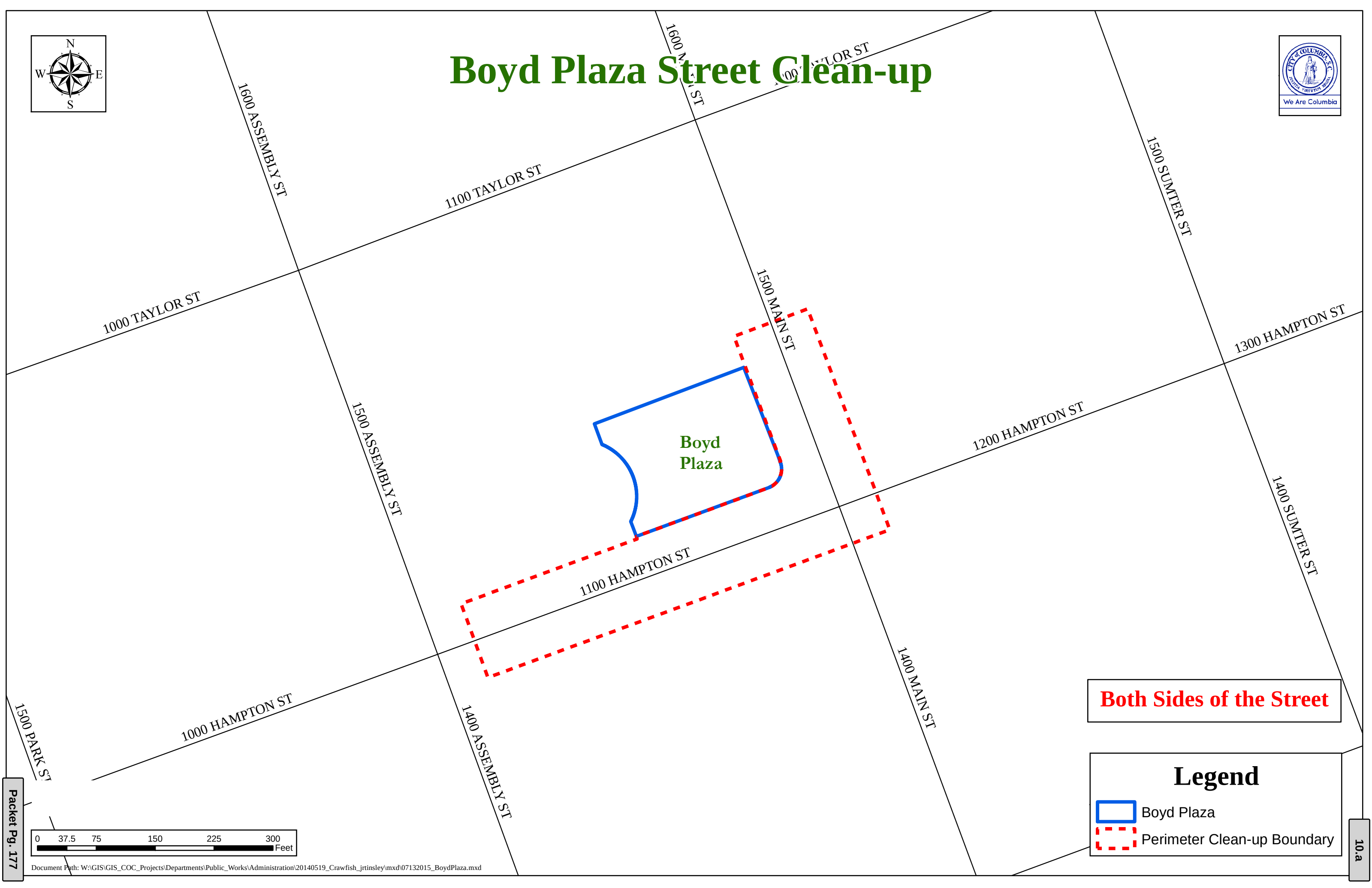
This form **should not** be used to request use of City property for **private** events (birthday, retirement, anniversary parties, etc.) nor for sidewalk sales or neighborhood block parties. Requests for private events at City parks should be made through the Parks and Recreation Department. Requests for sidewalk sales should be made to the City Manager. Requests for street closings for private neighborhood block parties should be made to the Police Department Special Events and Public Safety.

Fire Marshal George N. Adams, Jr., 545-3703; 413-8553; cfdgadams@columbiasc.net
Legal Department - Shari Ardis; 737-4242; slardis@columbiasc.net - resolution preparation
Police Department Special Events - Officer Robert Hall; 545-3535; rjhall@columbiasc.net parade permit, police
Parks and Recreation - Loretta Coleman; 545-3100; peosborne@columbiasc.net park reservations
Police Department Community Services - Brenda Murphy; 545-3507; bmmurphy@columbiasc.net street closing

Last revised: 11/01/2013



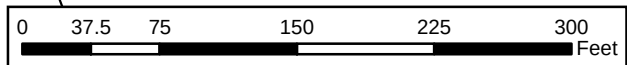
Boyd Plaza Street Clean-up



Both Sides of the Street

Legend

-  Boyd Plaza
-  Perimeter Clean-up Boundary





We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment - ±2.49 acres proposed for Woodcreek Farms Road, a/k/a: 10750 Two Notch Road and E/S Old National Highway (p), E/S Old National Highway, and 168 Riding Grove Road(p), TMS# 28900-01-11 (p), 28900-01-14, and 28900-01-10 (p)

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-037 - Annexing and Incorporating 2.49 acres proposed for Woodcreek Farms Road, a/k/a: 10750 Two Notch Road and E/S Old National Highway (p), E/S Old National Highway, and 168 Riding Grove Road(p), Richland County TMS#28900-01-11 (p), 28900-01-14, and 28900-01-10 (p) into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District:4

Proposal: Request to annex, assign land use classification of Urban Edge Residential-Large Lot (UER-2), and assign zoning of PUD-R (Planned Unit Development-Residential District). The property is currently classified as Neighborhood (Medium Density) and zoned as PDD by Richland County.

Applicant:Woodcreek Development LLC f/k/a Woodcreek Development Partnership

Staff Recommendation: Approval

PC Recommendation:04/03/2017; Approval (7-0)

ATTACHMENTS:

- **#a:** ANNEX_2.49acres_WoodcreekFarmsRd (PDF)
- **#b:** 2017-037 annex-incorporate 2.49 ac unopened pt Woodcreek Farms Road (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

ANNEXATION, COMPREHENSIVE PLAN MAP AMENDMENT, AND ZONING MAP AMENDMENT CASE SUMMARY

**±2.49 acres proposed for Woodcreek Farms Road, a/k/a: 10750 Two Notch Road and E/S
Old National Highway (p), E/S Old National Highway, and 168 Riding Grove Road(p),
TMS# 28900-01-11 (p), 28900-01-14, and 28900-01-10 (p)**

Council District:	4
Proposal:	Request to annex, assign land use classification of Urban Edge Residential-Large Lot (UER-2), and assign zoning of PUD-R (Planned Unit Development-Residential District). The property is currently classified as Neighborhood (Medium Density) and zoned as PDD by Richland County.
Applicant:	Woodcreek Development LLC f/k/a Woodcreek Development Partnership
Staff Recommendation:	Approval
PC Recommendation:	04/03/2017; Approval (7-0)
PH, 1 st Reading:	05/16/2017; PENDING
2 nd Reading:	06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: ±2.49 acres

Current Use: Vacant Land

Proposed Use: Road right-of-way for residential development (Woodcreek Farms Road)

Reason for Annexation: Adjacent

Urban Service Area: Secondary

Current Land Use Classification: Neighborhood (Medium Density)

Proposed Land Use Classification: Urban Edge Residential-Large Lot (UER-2)

Current Richland County Zoning: Planned Development District (PDD)

Proposed Zoning: Planned Unit Development-Residential District (PUD-R)

Census Tract: 114.07

DETERMINATION FOR CITY SERVICES

The following determination is an estimate of the benefits and costs associated with the annexation of the subject property.

Police

We find that the proposed annexation will not result in an increased number of calls for services and will cost the CPD approximately **\$0** annually to provide service for this proposed roadway based upon current calls for service within nearby roadways.

Fire

The proposed annexation **will not result in additional costs or impact services** being provided by this department as the property is a proposed road.

Solid Waste

The property is a proposed road for a residential subdivision. Solid Waste services cost would be \$0.00 since this service is not provided.

Engineering

Because water and sewer lines currently exist in this area, the Utilities and Engineering Division **will not incur any costs** associated with this annexation.

Water Customer Care

The property is a proposed road and water service is not anticipated.

Planning & Development Services

We recommend annexation of this property. This roadway under construction will provide connectivity to the northern portion of the Woodcreek Farms development and is intended for dedication as a public right-of-way. Acceptance of roadway is subject to approval by the City of Columbia. The annual City property tax revenue after annexation of this property would be **\$0**.

*Estimated City Tax Revenue calculated as: (Tax Value*Tax Rate)*City Millage Rate (.0961)) - (Tax Value*Local Option Sales Tax Credit (.002347)).

PLANS, POLICIES, AND LAND USE

Urban Service Area

Subject parcel is in a “Secondary Area” as identified in the Urban Service Area Map

Principles and Goals of the Urban Service Area

The Urban Service Area identifies those areas the City of Columbia wishes to provide with urban services. Primary emphasis will be given to annexing developed areas adjoining the City limits and “islands” of unincorporated territory surrounded by the City. Primary, secondary, and long-range annexation priorities for specific areas may be identified. Secondary areas may include higher value properties which assist the City in achieving a more balanced economic base.

Secondary areas are those areas where the City determines it to be logical or advantageous to provide services, but where all services and/or the condition of existing infrastructure may not be at optimal levels for annexation at this time. For instance, it may be that the property is outside of the generally accepted fire response area, or the storm drainage and/or road system is substandard. Annexation in these areas may occur, but a more detailed analysis will be needed to determine the possible impact on revenue. As is stated in the policy, these areas may include “higher value” properties that would prove beneficial to revenues.

The Columbia Plan 2018: Comprehensive Plan Land Use Classification

Staff recommends that the subject property be designated Urban Edge Residential – Large Lot (UER-2) in The Columbia Plan 2018 Future Land Use Map.

Urban Edge Residential Large Lot neighborhoods represent many of the City’s older residential neighborhoods in the outer areas of the City. This development type is appropriate as development on remaining large lots or as redevelopment in the outer areas of Columbia. Most of the existing developments occurred after 1950. Urban Edge Residential Large Lot developments generally do not continue the grid and block pattern found in the urban

neighborhoods, but do tend to have a consistently organized internal street network with loops and interconnections.

Primary Types:

- Single-family Detached
- *Accessory dwelling units

Tertiary Types:

- Single-family Attached
- Two-family
- Three-family
- Small Format Business / Employment
- Small Format Civic / Institutional
- Cemeteries & Mausoleums

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is not covered by an area plan which has been adopted by the City of Columbia or Richland County.

PROPOSED ZONING DISTRICT SUMMARY

The parcel is currently zoned Planned Development District (PDD) by Richland County. Surrounding parcels within the City of Columbia are currently Planned Unit Development-Residential District (PUD-R).

The proposed City of Columbia zoning district is Planned Unit Development-Residential District (PUD-R).

Planned Unit Development-Residential District (PUD-R)

(a). The intent of planned unit development districts is to derive the benefits of efficiency, economy and flexibility by encouraging unified development of large sites, while also obtaining the advantage of creative site design, improved appearance, compatibility of uses, optimum service by community facilities, and better functioning of vehicular access and circulation. It is the intent of this article to allow development of large sites subject to specific regulations concerning permitted uses, but only subject to regulations concerning lot area, building coverage, yard spaces and building height insofar as the city council shall deem appropriate to fulfill the intent of this article, upon presentation of certification from the owners, developers or other parties at interest in the development of such sites that they will adhere to development policies which will fulfill the intent of this article.

(b) Types of districts. Two types of districts accommodating primarily residential or nonresidential uses are created as follows:

- (1) PUD-R Planned Unit Development—Residential. The PUD-R district is intended to accommodate residential uses, with nonresidential uses integrated into the design of such districts as secondary uses.
- (2) PUD-C Planned Unit Development—Commercial. The PUD-C district is intended to accommodate primarily nonresidential uses, with residential uses integrated into the design of such districts as secondary uses.

(c) The types of residential dwelling units and the types of nonresidential uses allowed to be established in such districts increase with increasing site size of such districts, based upon the premise that increased site size will allow proper design, including functional interrelations, buffer treatments separating uses with potentially incompatible characteristics of use, design of access patterns, and relationships of uses within such planned unit developments with uses in adjacent districts. It is the intent of this article that such design and planning features be incorporated properly into any PUD district hereafter created, and that the planning commission and city council shall consider the existence and appropriateness of such features before any amendment to the zoning map is adopted to create such district.

STAFF RECOMMENDATION

Staff recommends that Planning Commission approve a resolution to recommend the assignment of Urban Edge Residential-Large Lot (UER-2) land use classification at the time of annexation.

Staff recommends the Planning Commission recommend to City Council the assignment of Urban Edge Residential-Large Lot (UER-2) land use classification and PUD-R zoning at the time of annexation.



Future Land Use Map

±2.49 acres proposed for Woodcreek Farms Road; TMS# 28900-01-11(p), 28900-01-14 and 28900-01-15
Existing Richland FLU: Neighborhood (Medium Density); Proposed FLU: UER-2

11.a

Department of Planning & Development Services

Legend

-  CITY LIMITS
-  PARCELS
-  UCMR-1 - Urban Core Mixed Residential-1
-  UCMR-2 - Urban Core Mixed Residential-2
-  UEMR - Urban Edge Mixed Residential
-  UEMF - Urban Edge Multi-Family
-  UCR-1 - Urban Core Residential Small Lot
-  UCR-2 - Urban Core Residential Large Lot
-  UER-1 - Urban Edge Residential Small Lot
-  UER-2 - Urban Edge Residential Large Lot
-  UCAC-1 - Urban Core Neighborhood Activity Center
-  UCAC-2 - Urban Core Community Activity Center
-  UEAC-1 - Urban Edge Community Activity Center
-  UCAC-3 - Urban Core Regional Activity Center
-  UEAC-2 - Urban Edge Regional Activity Center
-  AC-1 - Neighborhood Activity Corridor
-  AC-2 - Community Activity Corridor
-  AC-3 - Regional Activity Corridor
-  EC - Employment Campus
-  IND - Industrial
-  TU - Transportation & Utilities
-  SD-1 - Sports/Amusement District
-  SD-2 - Civic/Institutional Districts
-  SD-3 - Central Business District
-  SD-4 - Riverbanks Zoo and Garden
-  SD-5 - Universities/Colleges
-  SD-6 - Fort Jackson



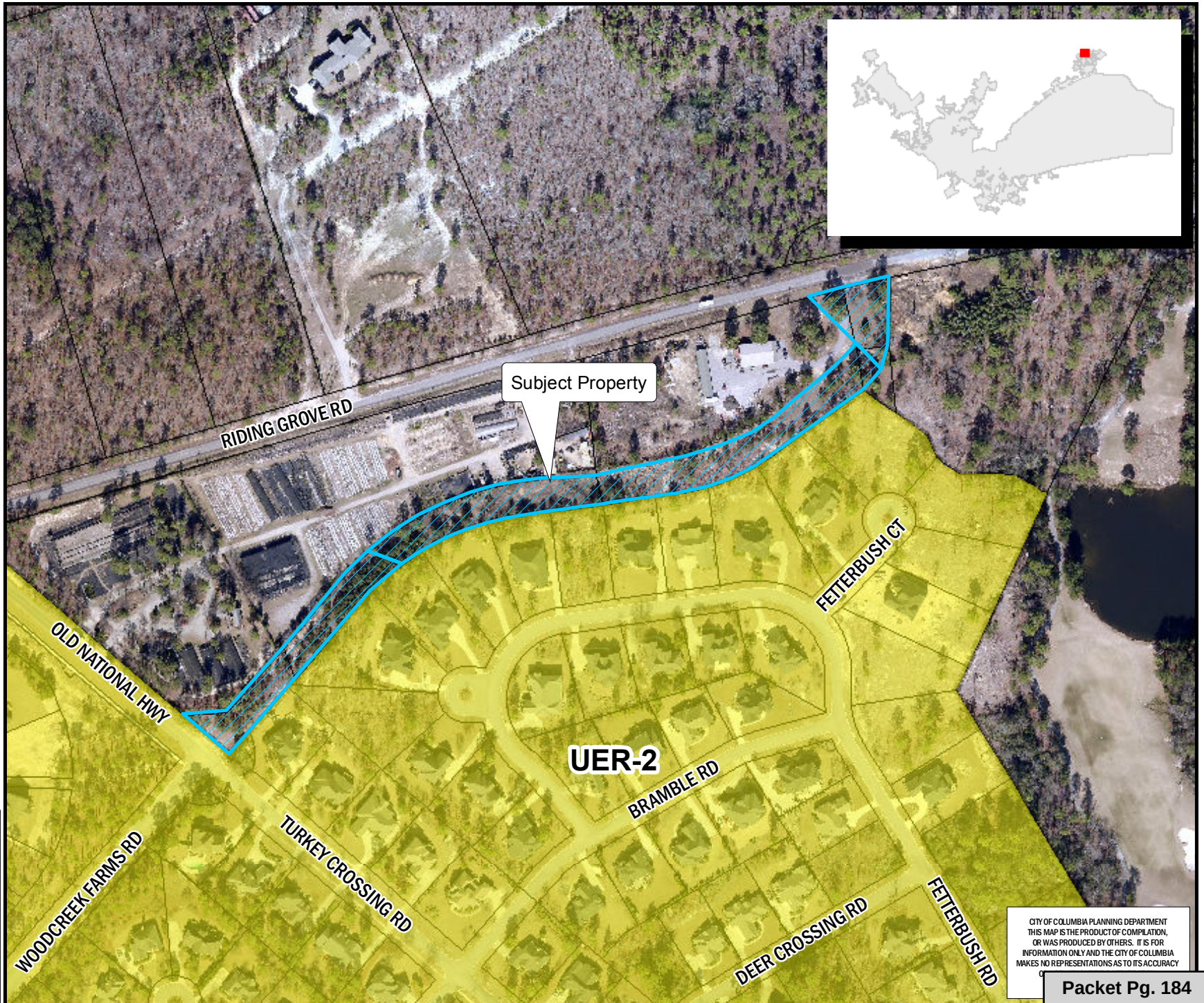
0 62.5 125 250 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
March 24, 2017



We Are Columbia



CITY OF COLUMBIA PLANNING DEPARTMENT
THIS MAP IS THE PRODUCT OF COMPILED,
OR WAS PRODUCED BY OTHERS. IT IS FOR
INFORMATION ONLY AND THE CITY OF COLUMBIA
MAKES NO REPRESENTATIONS AS TO ITS ACCURACY

Packet Pg. 184

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

+/-2.49 acres proposed for Woodcreek Farms Road; TMS# 28900-01-11(p), 28900-01-14 and 28900-01-15
Existing Zoning: PDD; Proposed Zoning: PUD-R

11.a

Legend

CITY LIMITS
 PARCELS

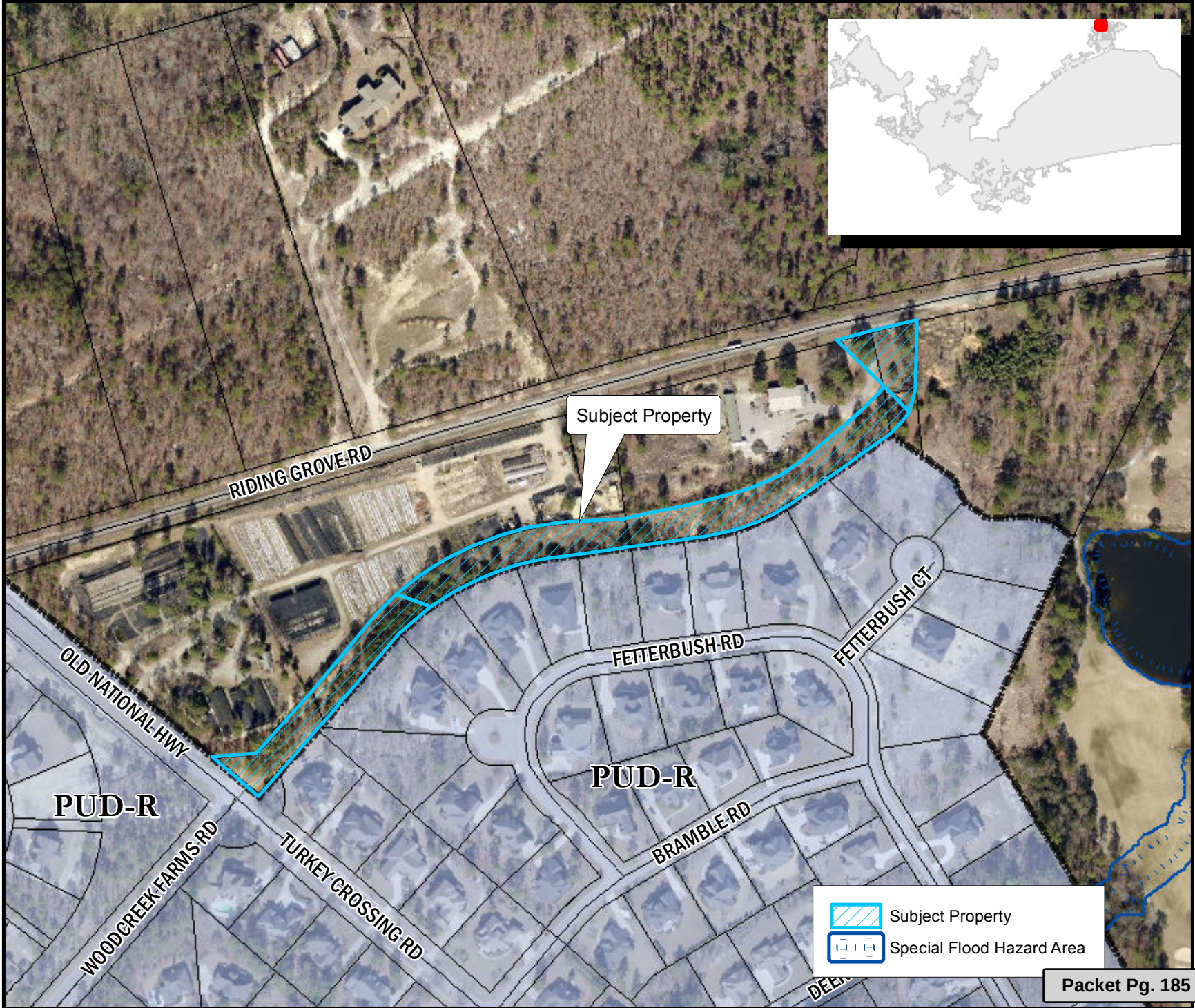
D-1	C-1
RS-1	C-2
RS-1A	C-3
RS-1B	C-3A
RS-2	C-4
RS-3	C-5
RD	M-1
RD-2	M-2
RG-1	PUD-C
RG-1A	PUD-LS
RG-2	PUD-LS-E
RG-3	PUD-LS-R
UTD	PUD-R
MX-1	OUT OF CITY
MX-2	

0 50 100 200 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
March 24, 2017

DISCLAIMER:
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Subject Property
 Special Flood Hazard Area

ORDINANCE NO.: 2017-037

Annexing and Incorporating 2.49 acres proposed for Woodcreek Farms Road, a/k/a: 10750 Two Notch Road and E/S Old National Highway (p), E/S Old National Highway, and 168 Riding Grove Road(p), Richland County TMS# 28900-01-11 (p), 28900-01-14, and 28900-01-10 (p) into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

WHEREAS, a proper petition has been filed with the City Council by one hundred (100%) percent of the property owners of the within described property under the provisions of South Carolina Ann. Sec. 5-3-150; and,

WHEREAS, it appears to City Council that the annexation of the property would be in the best interest of the property owners and the City of Columbia; and,

WHEREAS, City Council adopted the City of Columbia Comprehensive Plan 2018 by Ordinance No.: 2008-085 on October 1, 2008, and amended from time to time, in accordance with South Carolina Comprehensive Planning Act of 1994 (Title 6, Chapter 29 of the SC Code) and heard public comments on this amendment; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017, that the property described herein is hereby annexed to, incorporated into Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015, and becomes a part of the City of Columbia effective immediately. This property shall be zoned Planned Unit Development-Residential (PUD-R), apportioned to City Council District 4, Census Tract 114.07, contains 2.49 acres, and shall be assigned a land use classification Urban Edge Residential-Large Lot (UER-2).

PROPERTY DESCRIPTION: See Attached Exhibit "A"

Richland County TMS NO.: 28900-01-11 (p), 28900-01-14, and 28900-01-10 (p)

Also included in the territory hereby annexed are all contiguous portions of all public rights of way, streets and highways.

Requested by:

Assistant City Manager Gentry

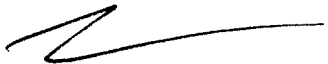
Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:

EXHIBIT "A"
PROPERTY DESCRIPTION
ORDINANCE NO.: 2017-037

All that certain piece, parcel or lot of land, with improvements thereon, if any, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, being shown and designated as a 2.49 acres portion of unopened 66" R/W designated as Woodcreek Farms Road as shown on a plat prepared for Roar SC Ventures by Belter & Associates, Inc. dated March 24, 2017, and having such boundaries and measurements as shown on said plat.

LEGAL DEPARTMENT DRAFT

MEMORANDUM

Office of the City Manager

TO: Department Heads

FROM: Teresa Wilson, City Manager

DATE: March 27, 2017

RE: **Property Address:** ±2.49 acres proposed for Woodcreek Farms Road, a/k/a: 10750 Two Notch Road and E/S Old National Highway (p), E/S Old National Highway, and 168 Riding Grove Road (p)
Richland County TMS#: 28900-01-11 (p), 28900-01-14, and 28900-01-10 (p)
Owner(s): Woodcreek Development LLC f/k/a Woodcreek Development Partnership
Current Use: Vacant land
Proposed Use: Right-of-way for residential development (Woodcreek Farms Road)
Current County Land Use: Neighborhood (Medium Density)
Proposed City Land Use: Urban Edge Residential – Large Lot (UER-2)
Current County Zoning: PDD (Planned Development District)
Proposed City Zoning: PUD-R (Planned Unit Development - Residential)
Reason for Annexation: Adjacent/Secondary
City Council District: 4
Census Tract: 114.07

The Planning & Development Services advises that the above referenced property has been offered for annexation. Attached, please find a map or drawing reflecting the property. You are directed to forward your comments and/or recommendations regarding the issue of whether to annex or not to Planning & Development Services. Planning & Development Services will compile your comments for City Council consideration.

Planning & Development Services staff will see to it that this matter is placed on the **April 3, 2016** Planning Commission's agenda. Planning & Development Services staff will notify the City Attorney of the Planning Commission's zoning recommendation by forwarding a copy of this form, completed, as soon as the Planning Commission has met.

/atl

Attachments

cc: S. Allison Baker, Sr. Assistant City Manager
 William Holbrook, Police Chief
 Teresa Knox, City Attorney
 Dana Higgins, City Engineer
 Krista Hampton, Planning & Development Services
 Gloria Saeed, Community Development Director
 Roger Myers, Business License Administrator
 Angela Adams, Water Customer Service
 Jerry Thompson, Building Official
 Susan Leitner, Engineering
 Denny Daniels, Engineering
 Carolyn Wilson, Police Planning & Research
 Jan Alonso, Finance Director

Missy Gentry, Assistant City Manager
 Aubrey Jenkins, Fire Chief
 Joseph Jaco, Utilities and Engineering
 Robert Anderson, Public Works Director
 Jeff Palen, Assistant City Manager/CFO
 George Adams, Fire Marshal
 Brian Cook, Zoning Administrator
 Kimberly Gathers, Columbia-Richland 911
 David Hatcher, Housing Official
 Richland County Solid Waste Collection
 John Fellows, Planning Administrator
 Zach Kay, Dev. Center Administrator
 Alfreda Tindall, Richland Co. 911 Addressing Coordinator

Planning Commission Zoning Recommendation: PUD-R (Zoning classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).

Planning Commission Land Use Recommendation: UER-2 (Land Use classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).

(Signature of Annexation Coordinator)



Future Land Use Map

±2.49 acres proposed for Woodcreek Farms Road; TMS# 28900-01-11(p), 28900-01-14 and 289 Existing Richland FLU: Neighborhood (Medium Density); Proposed FLU: UER-2

Department of Planning & Development Services

Legend
CITY LIMITS
PARCELS

- UCMR-1 - Urban Core Mixed Residential: 1
- UCMR-2 - Urban Core Mixed Residential: 2
- UEMR - Urban Edge Mixed Residential
- UEMF - Urban Edge Multi-Family
- UCR-1 - Urban Core Residential Small Lot
- UCR-2 - Urban Core Residential Large Lot
- UER-1 - Urban Edge Residential Small Lot
- UER-2 - Urban Edge Residential Large Lot
- UCAC-1 - Urban Core Neighborhood Activity Center
- UCAC-2 - Urban Core Community Activity Center
- UEAC-1 - Urban Edge Community Activity Center
- UEAC-2 - Urban Edge Regional Activity Center
- UCAC-3 - Urban Core Regional Activity Center
- AC-1 - Neighborhood Activity Center
- AC-2 - Community Activity Center
- AC-3 - Regional Activity Center
- EC - Employment Campus
- ND - Industrial
- TU - Transportation & Utilities
- SP-1 - Sports /Amusement District
- SP-2 - Civic/Institutional District
- SP-3 - Central Business District
- SP-4 - Riverbanks Zoo and Garden
- SP-5 - Universities/Colleges
- SP-6 - Fort Jackson



0 62.5 125 250 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
March 24, 2017



Zoning Map

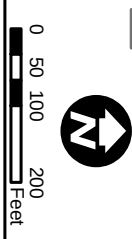
+/-2.49 acres proposed for Woodcreek Farms Road; TMS# 28900-01-11(p), 28900-01-14 and 28900-01-15
 Existing Zoning: PDD; Proposed Zoning: PUD-R

Department of Planning & Development Services

Legend

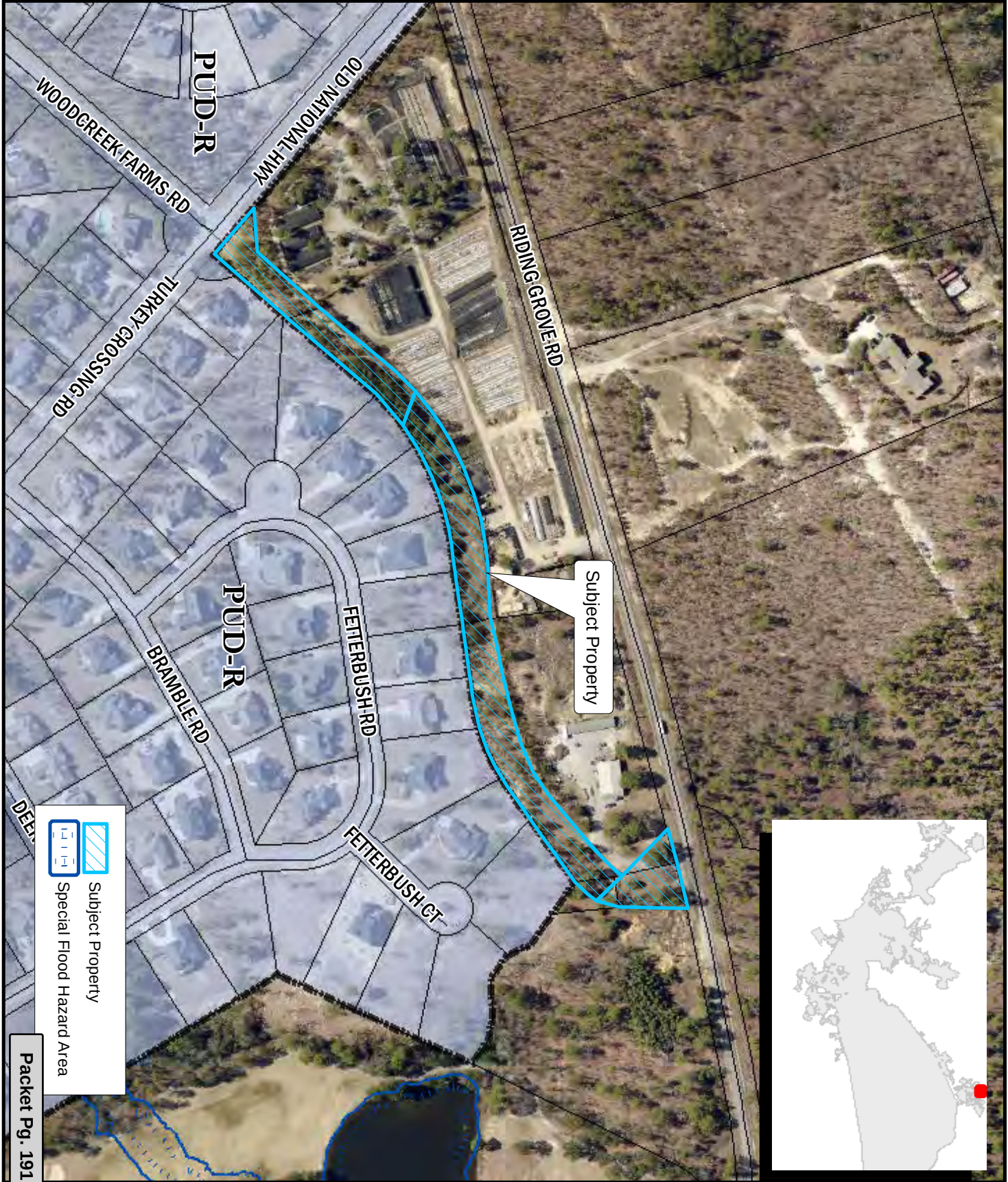


- | | |
|-------|-------------|
| D-1 | C-1 |
| RS-1 | C-2 |
| RS-1A | C-3 |
| RS-1B | C-3A |
| RS-2 | C-4 |
| RS-3 | C-5 |
| RD | M-1 |
| RD-2 | M-2 |
| RG-1 | PUD-C |
| RG-2 | PUD-S-E |
| RG-3 | PUD-S-R |
| UDT | PUD-R |
| MX-1 | OUT OF CITY |
| MX-2 | |



ORIGINAL PREPARATION/DATE:
 This map was prepared by:
 Shane Shaughnessy
 March 24, 2017

DISCLAIMER:
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- Subject Property
- Special Flood Hazard Area

STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

The undersigned, being the owner(s) of the property described below hereby petition(s) the Mayor and City Council for annexation to the City of Columbia, South Carolina pursuant to S.C. Code Ann. Section 5-3-150, 1976, as amended.

Property Description: All that certain piece, parcel or lot of land, with improvements thereon, if any, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, being shown and designated as a 2.49 acre portion of unopened 66' R/W designated as Woodcreek Farms Road as shown on a plat prepared for Roar SC Ventures by Belter & Associates, Inc. dated March 24, 2017, and having such boundaries and measurements as shown on said plat..

Richland County TMS: 028900-01-11 (portion);
 028900-01-14; and
 028900-01-10 (portion)

Property Address: ±2.49 acres proposed for Woodcreek Farms Road, a/k/a:
 10750 Two Notch Road and E/S Old National Highway (p);
 E/S Old National Highway; and
 168 Riding Grove Road (p)

Woodcreek Development LLC
 f/k/a Woodcreek Development Partnership

BY: _____

Date: 3/24/17

Harold Pickrel
 (Print or Type Name)

Its: Manager
 (Print or Type Title)

Book 2197-3594

2017021660 03/28/2017 16:17:03:940

Notice

Fee: \$0.00

County Tax: \$0.00

State Tax: \$0.00



2017021660

John T. Hopkins II

Richland County R.O.D.

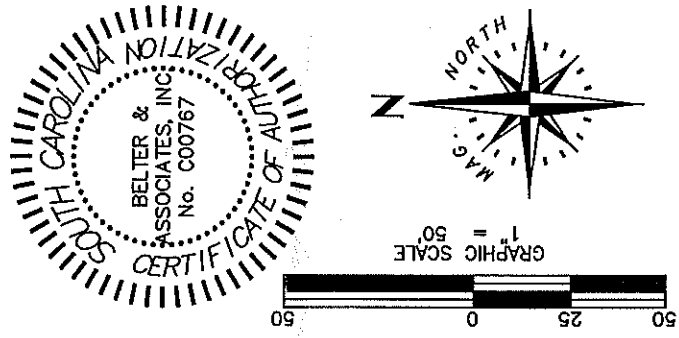
ROAR SC VENTURES

PLAT PREPARED FOR

NEAR PONTAIG, SC, IN RICHLAND COUNTY
JOB NO. 1702072
RICHLAND COUNTY TMS#
28900 BLOCK 01 LOT 11.14

LOT AREA: SEE DWS.
SURVEY DATE: 04-17-19
DRAWING DATE: 04-17-19
SCALE: 1" = 50'

EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS PLAT, THIS SURVEY DOES NOT PURPORT TO REFLECT ANY OF THE FOLLOWING WHICH MAY BE APPLICABLE TO THE SUBJECT REAL ESTATE: EASEMENTS, OTHER THAN POSSIBLE EASEMENTS THAT WERE VISIBLE AT THE TIME OF MAKING OF THIS SURVEY, BUILDING SETBACK LINES, RESTRICTIVE COVENANTS, SUBDIVISION RECORDS, ZONING OR OTHER LAND-USE REGULATIONS, AND ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH ONLY THE LISTED DOCUMENTS SHOWN HEREON WERE CONSIDERED AS A BASIS. STRUCTURES AND/OR EASEMENTS MAY VARY FROM LOCATIONS SHOWN HEREON UNLESS DESIGNATED WITH BEAMS & DISTANCES.



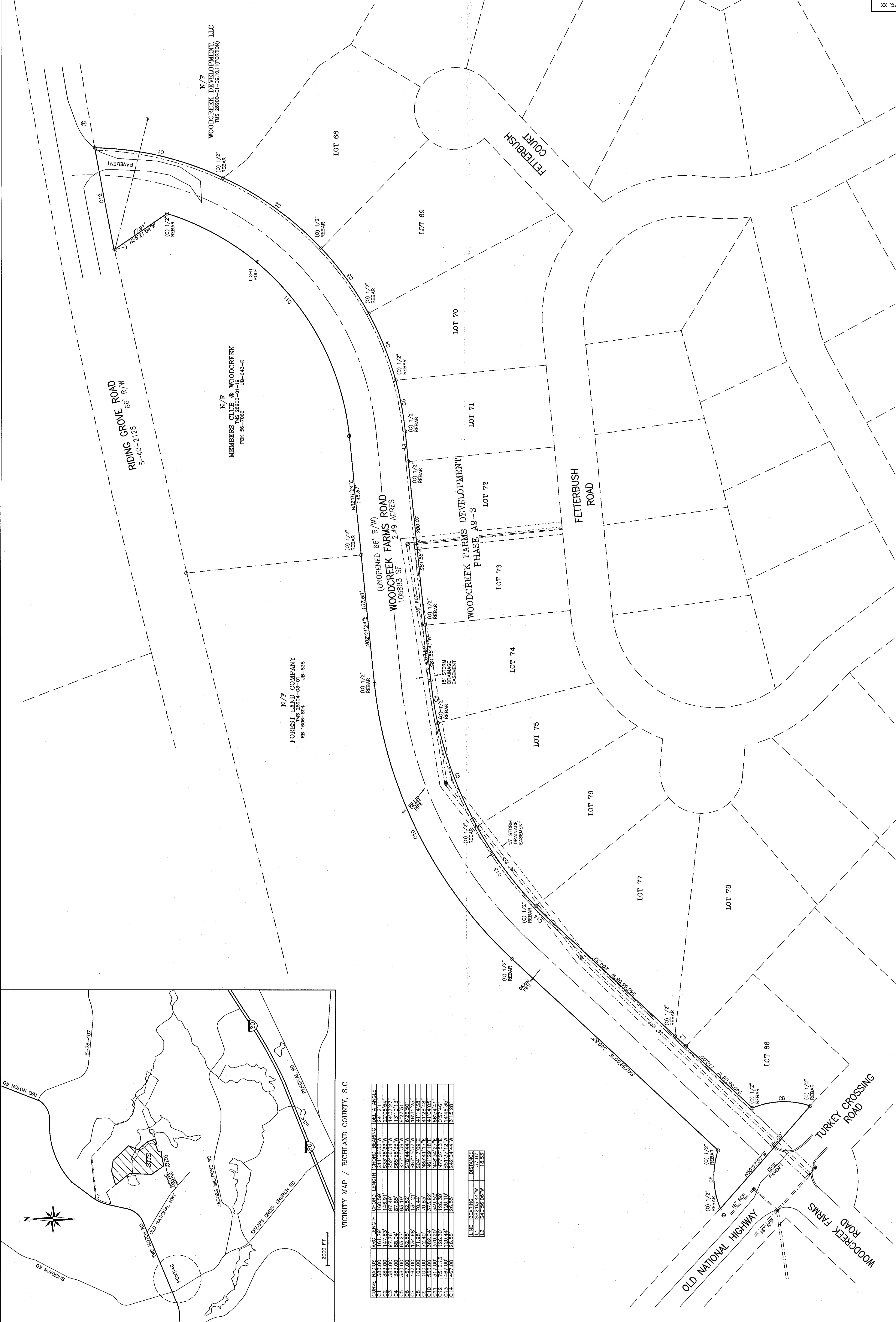
BELTER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS
144 FRANKFORD BOULEVARD
P.O. BOX 731
RMC, SOUTH CAROLINA 29063
TELEPHONE: (803) 732-4004
FAX: (803) 732-2891

DATE: 3-24-17
WILLIAM M. BRASINGTON
SCPS # 9312

I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS B SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.

NOTE:
ALL IRONS ARE (O) 1/2" REBAR
UNLESS OTHERWISE SHOWN.

FB XX-XXX, PG. XX



CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	383.00	161.72	182.59	S33°03'33"W	22°15'11"
C2	383.00	97.78	97.49	S82°06'34"W	14°37'27"
C3	383.00	88.04	87.85	S65°05'35"W	13°10'13"
C4	487.00	52.55	52.32	S78°44'44"W	8°26'30"
C5	487.00	134.65	134.21	S67°15'57"W	16°31'25"
C6	100.00	71.98	70.44	S24°41'09"E	41°04'05"
C7	100.00	382.04	374.92	N81°29'18"E	41°04'05"
C8	100.00	370.20	349.52	N45°34'27"E	66°54'41"
C9	487.00	120.44	120.10	S31°37'12"W	1°44'45"
C10	487.00	28.55	28.55	S42°34'44"W	3°15'28"

LINE	BEARING	DISTANCE
L1	S54°03'44"W	21.07
L2	S42°58'05"W	18.53

VICINITY MAP / RICHLAND COUNTY, S.C.





We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment - 152 Island View Circle; TMS# 28907-01-08

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-038 - Annexing and Incorporating 152 Island View Circle, Richland County TMS #28907-01-08, into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District:4

Proposal:Request to annex, assign land use classification of Urban Edge Residential-Large Lot (UER-2) and assign zoning of Planned Unit Development-Residential District (PUD-R). The property is currently classified as Neighborhood (Medium Density) by Richland County and zoned as PDD by Richland County.

Applicant: Executive Construction Homes, LLC

Staff Recommendation: Approval

PC Recommendation: 04/03/2017; Approval (7-0)

ATTACHMENTS:

- **#a:** ANNEX_152_IslandView (PDF)
- **#b:** 2017-038 annex-incorporate 152 Island View Circle(PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

ANNEXATION, COMPREHENSIVE PLAN MAP AMENDMENT, AND ZONING MAP AMENDMENT CASE SUMMARY 152 Island View Circle; TMS# 28907-01-08

Council District:	4
Proposal:	Request to annex, assign land use classification of Urban Edge Residential-Large Lot (UER-2) and assign zoning of Planned Unit Development-Residential District (PUD-R). The property is currently classified as Neighborhood (Medium Density) by Richland County and zoned as PDD by Richland County.
Applicant:	Executive Construction Homes, LLC
Staff Recommendation:	Approval
PC Recommendation:	04/03/2017; Approval (7-0)
PH, 1 st Reading:	05/16/2017; PENDING
2 nd Reading:	06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: 0.6 acres
Current Use: Vacant Land
Proposed Use: Single Family Residence
Reason for Annexation: Municipal Services
Urban Service Area: Donut Hole
Current Land Use Classification: Neighborhood (Medium Density)
Proposed Land Use Classification: Urban Edge Residential-Large Lot (UER-2)
Current Richland County Zoning: Planned Development District (PDD)
Proposed Zoning: Planned Unit Development-Residential District (PUD-R)
Census Tract: 114.07

DETERMINATION FOR CITY SERVICES

The following determination is an estimate of the benefits and costs associated with the annexation of the subject property.

Police

We find that the proposed annexation will result in an increased number of calls for services and will cost the CPD approximately **\$14** annually to provide service for this single family residence.

Fire

The proposed annexation **will not result in additional costs or impact services** being provided by this department. Annexation would lower the ISO rating of this property to a Class 1 from a Class 2.

Solid Waste

The cost associated with solid waste service for this property is \$187.00 annually per household.

Engineering

Because water lines currently exist in this area, the Utilities and Engineering Division **will not incur any costs** associated with this annexation.

Water Customer Care

Annexation will result in an approximately **40% reduction** in water service rates to the property.

Planning & Development Services

We recommend annexation of this property. A single family residence containing approximately 3100 heated square feet is currently under construction. The estimated annual City property tax revenue generated after annexation of this property will be approximately **\$740**.

*Estimated City Tax Revenue calculated as: (Tax Value*Tax Rate)*City Millage Rate (.0961)) - (Tax Value*Local Option Sales Tax Credit (.002347)).

PLANS, POLICIES, AND LAND USE

Urban Service Area

Subject parcel is in a “Donut Hole” as identified in the Urban Service Area Map

Principles and Goals of the Urban Service Area

The Urban Service Area identifies those areas the City of Columbia wishes to provide with urban services. Primary emphasis will be given to annexing developed areas adjoining the City limits and “islands” of unincorporated territory surrounded by the City. Primary, secondary, and long-range annexation priorities for specific areas may be identified. Secondary areas may include higher value properties which assist the City in achieving a more balanced economic base.

Donut Holes are unincorporated areas that are completely surrounded by the City of Columbia and/or another municipality. These areas pose a number of challenges to the City that can be addressed through annexation. They can often cause inefficiencies in the delivery of services due to confusion about jurisdiction. Also, if the land is in a jurisdiction with a different approach to code enforcement, these areas can negatively impact the quality of life for adjacent City residents. Such inefficiencies and the costs to taxpayers are germane to City and County property both, which results in a greater impact to City residents since they pay City and County taxes.

The Columbia Plan 2018: Comprehensive Plan Land Use Classification

Staff recommends that the subject property be designated Urban Edge Residential – Large Lot (UER-2) in The Columbia Plan 2018 Future Land Use Map.

Urban Edge Residential Large Lot neighborhoods represent many of the City’s older residential neighborhoods in the outer areas of the City. This development type is appropriate as development on remaining large lots or as redevelopment in the outer areas of Columbia. Most of the existing developments occurred after 1950. Urban Edge Residential Large Lot developments generally do not continue the grid and block pattern found in the urban neighborhoods, but do tend to have a consistently organized internal street network with loops and interconnections.

Primary Types:

- Single-family Detached
- *Accessory dwelling units

Tertiary Types:

- Single-family Attached
- Two-family
- Three-family
- Small Format Business / Employment
- Small Format Civic / Institutional
- Cemeteries & Mausoleums

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is not covered by an area plan which has been adopted by the City of Columbia or Richland County.

PROPOSED ZONING DISTRICT SUMMARY

The parcel is currently zoned Planned Development District (PDD) by Richland County. Surrounding parcels within the City of Columbia are currently Planned Unit Development-Residential District (PUD-R).

The proposed City of Columbia zoning district is Planned Unit Development-Residential District (PUD-R).

Planned Unit Development-Residential District (PUD-R)

(a). The intent of planned unit development districts is to derive the benefits of efficiency, economy and flexibility by encouraging unified development of large sites, while also obtaining the advantage of creative site design, improved appearance, compatibility of uses, optimum service by community facilities, and better functioning of vehicular access and circulation. It is the intent of this article to allow development of large sites subject to specific regulations concerning permitted uses, but only subject to regulations concerning lot area, building coverage, yard spaces and building height insofar as the city council shall deem appropriate to fulfill the intent of this article, upon presentation of certification from the owners, developers or other parties at interest in the development of such sites that they will adhere to development policies which will fulfill the intent of this article.

(b) Types of districts. Two types of districts accommodating primarily residential or nonresidential uses are created as follows:

- (1) PUD-R Planned Unit Development—Residential. The PUD-R district is intended to accommodate residential uses, with nonresidential uses integrated into the design of such districts as secondary uses.
- (2) PUD-C Planned Unit Development—Commercial. The PUD-C district is intended to accommodate primarily nonresidential uses, with residential uses integrated into the design of such districts as secondary uses.

(c) The types of residential dwelling units and the types of nonresidential uses allowed to be established in such districts increase with increasing site size of such districts, based upon the premise that increased site size will allow proper design, including functional interrelations, buffer treatments separating uses with potentially incompatible characteristics of use, design of access patterns, and relationships of uses within such planned unit developments with uses in adjacent districts. It is the intent of this article that such design and planning features be incorporated properly into any PUD district hereafter created, and that the planning commission and city council shall consider the existence and appropriateness of such features before any amendment to the zoning map is adopted to create such district.

STAFF RECOMMENDATION

Staff recommends that Planning Commission approve a resolution to recommend the assignment of Urban Edge Residential-Large Lot (UER-2) land use classification at the time of annexation.

Staff recommends the Planning Commission recommend to City Council the assignment of Urban Edge Residential-Large Lot (UER-2) land use classification and PUD-R zoning at the time of annexation.



Future Land Use Map

152 Island View Circle; TMS# 28907-01-08;
Existing Richland FLU: Neighborhood (Medium Density); Proposed FLU: UER-2

12.a

Department of Planning &
Development Services

Legend

-  CITY LIMITS
-  PARCELS
-  UCMR-1 - Urban Core Mixed Residential-1
-  UCMR-2 - Urban Core Mixed Residential-2
-  UEMR - Urban Edge Mixed Residential
-  UEMF - Urban Edge Multi-Family
-  UCR-1 - Urban Core Residential Small Lot
-  UCR-2 - Urban Core Residential Large Lot
-  UER-1 - Urban Edge Residential Small Lot
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-  UCAC-1 - Urban Core Neighborhood Activity Center
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-  AC-2 - Community Activity Corridor
-  AC-3 - Regional Activity Corridor
-  EC - Employment Campus
-  IND - Industrial
-  TU - Transportation & Utilities
-  SD-1 - Sports/Amusement District
-  SD-2 - Civic/Institutional Districts
-  SD-3 - Central Business District
-  SD-4 - Riverbanks Zoo and Garden
-  SD-5 - Universities/Colleges
-  SD-6 - Fort Jackson



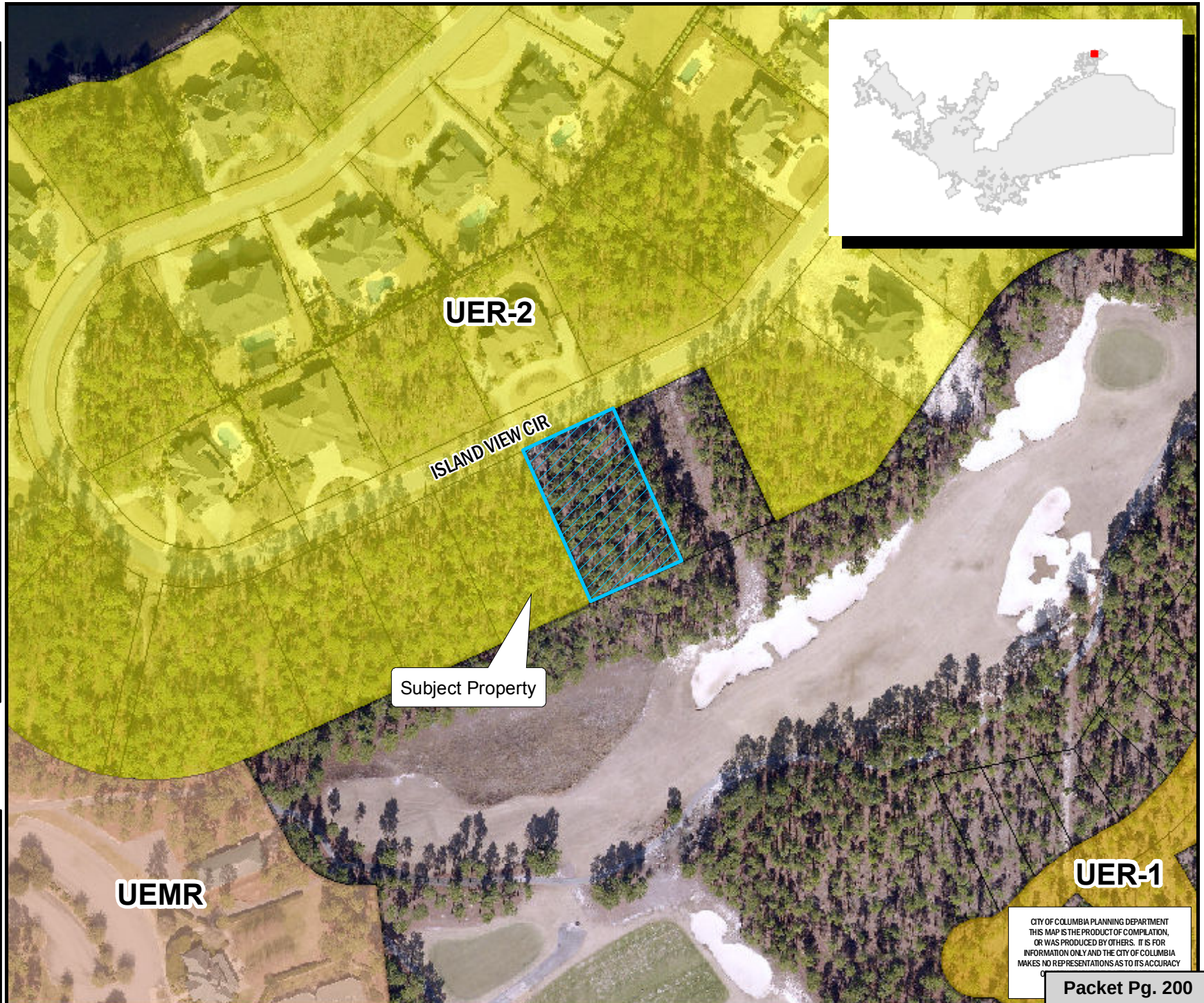
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Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
March 14, 2017



We Are Columbia



CITY OF COLUMBIA PLANNING DEPARTMENT
THIS MAP IS THE PRODUCT OF COMPILED
OR WAS PRODUCED BY OTHERS. IT IS FOR
INFORMATION ONLY AND THE CITY OF COLUMBIA
MAKES NO REPRESENTATIONS AS TO ITS ACCURACY

Packet Pg. 200

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

152 Island View Circle; TMS# 28907-01
Existing Zoning: PDD; Proposed Zoning: PUD-R

12.a

Legend

CITY LIMITS
 PARCELS

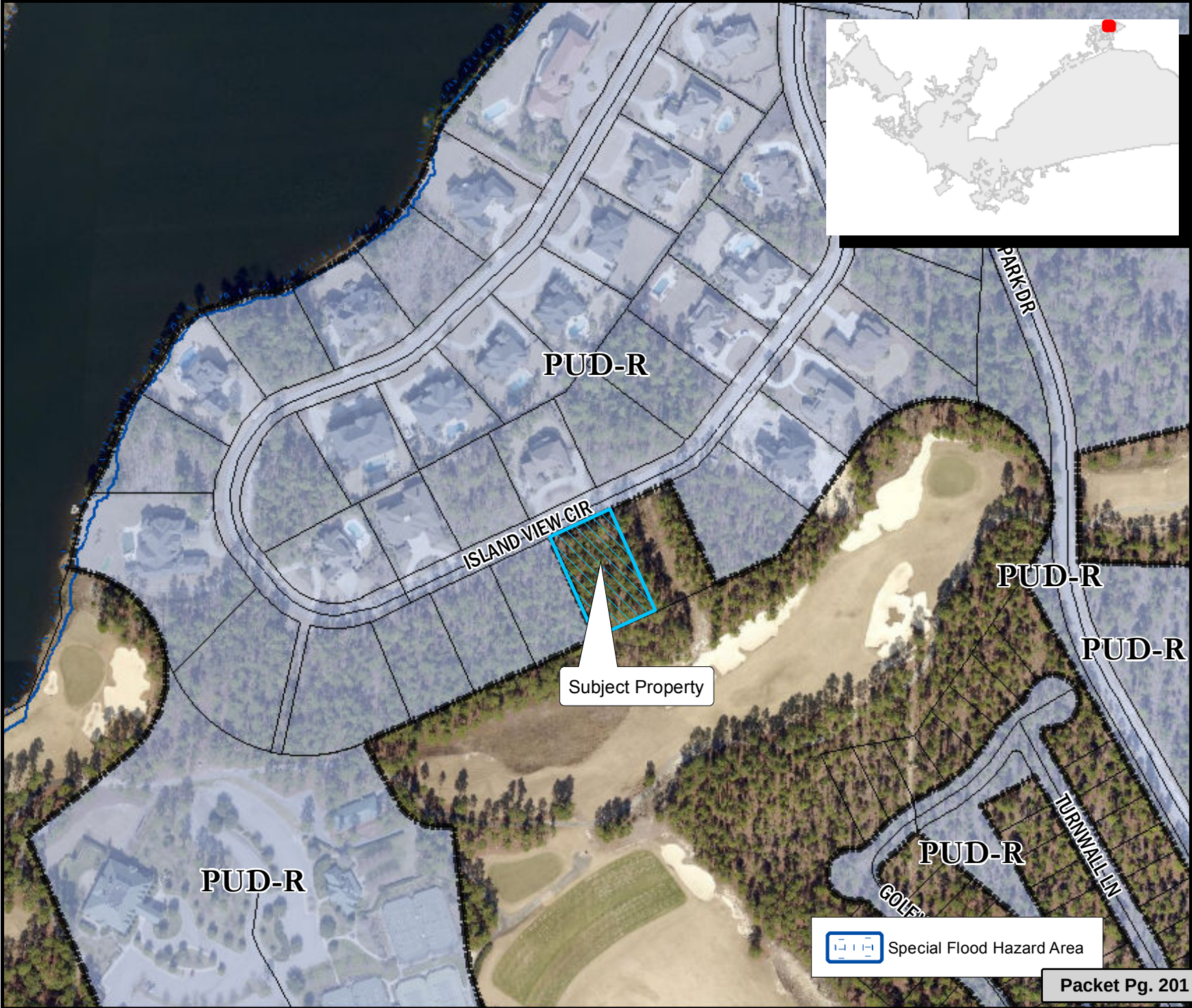
D-1	C-1
RS-1	C-2
RS-1A	C-3
RS-1B	C-3A
RS-2	C-4
RS-3	C-5
RD	M-1
RD-2	M-2
RG-1	PUD-C
RG-1A	PUD-LS
RG-2	PUD-LS-E
RG-3	PUD-LS-R
UTD	PUD-R
MX-1	OUT OF CITY
MX-2	

0 50 100 200 Feet

ORIGINAL PREPARATION/DATE:
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March 17, 2017

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Special Flood Hazard Area

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

ORDINANCE NO.: 2017-038

Annexing and Incorporating 152 Island View Circle, Richland County TMS #28907-01-08, into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

WHEREAS, a proper petition has been filed with the City Council by one hundred (100%) percent of the property owners of the within described property under the provisions of South Carolina Ann. Sec. 5-3-150; and,

WHEREAS, it appears to City Council that the annexation of the property would be in the best interest of the property owners and the City of Columbia; and,

WHEREAS, City Council adopted the City of Columbia Comprehensive Plan 2018 by Ordinance No.: 2008-085 on October 1, 2008, and amended from time to time, in accordance with South Carolina Comprehensive Planning Act of 1994 (Title 6, Chapter 29 of the SC Code) and heard public comments on this amendment; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017, that the property described herein is hereby annexed to, incorporated into Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015, and becomes a part of the City of Columbia effective immediately. This property shall be zoned Planned Unit Development-Residential (PUD-R), apportioned to City Council District 4, Census Tract 114.07, contains 0.6 acres, and shall be assigned a land use classification Urban Edge Residential-Large Lot (UER-2).

PROPERTY DESCRIPTION: See Attached Exhibit "A"

Richland County TMS NO.: 28907-01-08

Also included in the territory hereby annexed are all contiguous portions of all public rights of way, streets and highways.

Requested by:

Assistant City Manager Gentry _____

Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:

EXHIBIT "A"
PROPERTY DESCRIPTION
ORDINANCE NO.: 2017-038

All that certain piece, parcel or lot of land, with improvements thereon, if any, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, being shown and designated as Lot 29, Area B2, Phase 2 on a Bonded Plat of Woodcreek Farms Development prepared by United Design Services, Inc. dated October 4, 2006, and recorded in the Office of the Register of Deeds for Richland County in Plat/Record Book 1315 at Page 168. Reference to said plat is made for a more complete and accurate description.

LEGAL DEPARTMENT DRAFT

MEMORANDUM

Office of the City Manager

TO: Department Heads

FROM: Teresa Wilson, City Manager

DATE: March 17, 2017

RE: **Property Address:** 152 Island View Circle
Richland County TMS#: 28907-01-08
Owner(s): Executive Construction Homes, LLC
Current Use: Vacant land
Proposed Use: Single Family Residence
Current County Land Use: Neighborhood (Medium Density)
Proposed City Land Use: Urban Edge Residential – Large Lot (UER-2)
Current County Zoning: PDD (Planned Development District)
Proposed City Zoning: PUD-R (Planned Unit Development - Residential)
Reason for Annexation: Municipal Services/Donut Hole
City Council District: 4
Census Tract: 114.07

The Planning & Development Services advises that the above referenced property has been offered for annexation. Attached, please find a map or drawing reflecting the property. You are directed to forward your comments and/or recommendations regarding the issue of whether to annex or not to Planning & Development Services. Planning & Development Services will compile your comments for City Council consideration.

Planning & Development Services staff will see to it that this matter is placed on the **April 3, 2016** Planning Commission's agenda. Planning & Development Services staff will notify the City Attorney of the Planning Commission's zoning recommendation by forwarding a copy of this form, completed, as soon as the Planning Commission has met.

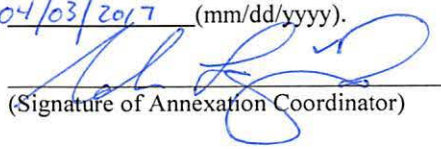
/atl

Attachments

cc: S. Allison Baker, Sr. Assistant City Manager William Holbrook, Police Chief Teresa Knox, City Attorney Dana Higgins, City Engineer Krista Hampton, Planning & Development Services Gloria Saaed, Community Development Director Roger Myers, Business License Administrator Angela Adams, Water Customer Service Jerry Thompson, Building Official Susan Leitner, Engineering Denny Daniels, Engineering Carolyn Wilson, Police Planning & Research Jan Alonso, Finance Director	Missy Gentry, Assistant City Manager Aubrey Jenkins, Fire Chief Joseph Jaco, Utilities and Engineering Robert Anderson, Public Works Director Jeff Palen, Assistant City Manager/CFO George Adams, Fire Marshal Brian Cook, Zoning Administrator Kimberly Gathers, Columbia-Richland 911 David Hatcher, Housing Official Richland County Solid Waste Collection John Fellows, Planning Administrator Zach Kay, Dev. Center Administrator Alfreda Tindall, Richland Co. 911 Addressing Coordinator
--	---

Planning Commission Zoning Recommendation: PUD-R (Zoning classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).

Planning Commission Land Use Recommendation: UER-2 (Land Use classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).


 (Signature of Annexation Coordinator)



Future Land Use Map

152 Island View Circle; TMS# 28907-01-08;
Existing Richland FLU: Neighborhood (Medium Density); Proposed FLU: UER-2

Department of Planning & Development Services

Legend

CITY LIMITS

PARCELS

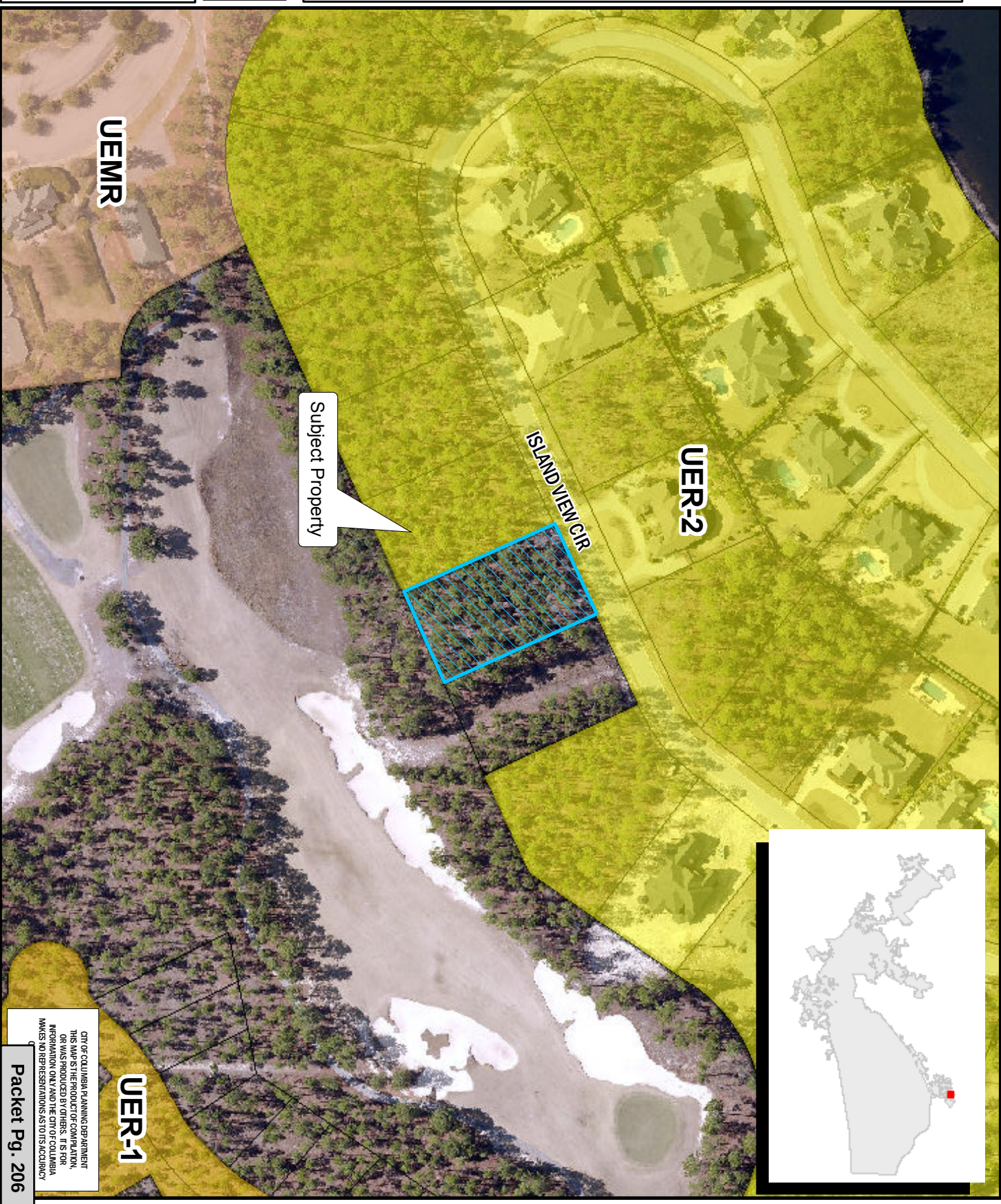
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0 25 50 100 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
March 14, 2017

CITY OF COLUMBIA, S.C.
VERITAS VIRTUTIS MARE

We Are Columbia



Zoning Map

Department of Planning & Development Services

Legend



D-1	C-1
RS-1	C-2
RS-1A	C-3
RS-1B	C-3A
RS-2	C-4
RS-3	C-5
RD	M-1
RD-2	M-2
RG-1	PUD-C
RG-1A	PUD-L-S
RG-2	PUD-L-S-E
RG-3	PUD-L-S-R
UTD	PUD-R
MX-1	OUT OF CITY
MX-2	

0 50 100 200 Feet



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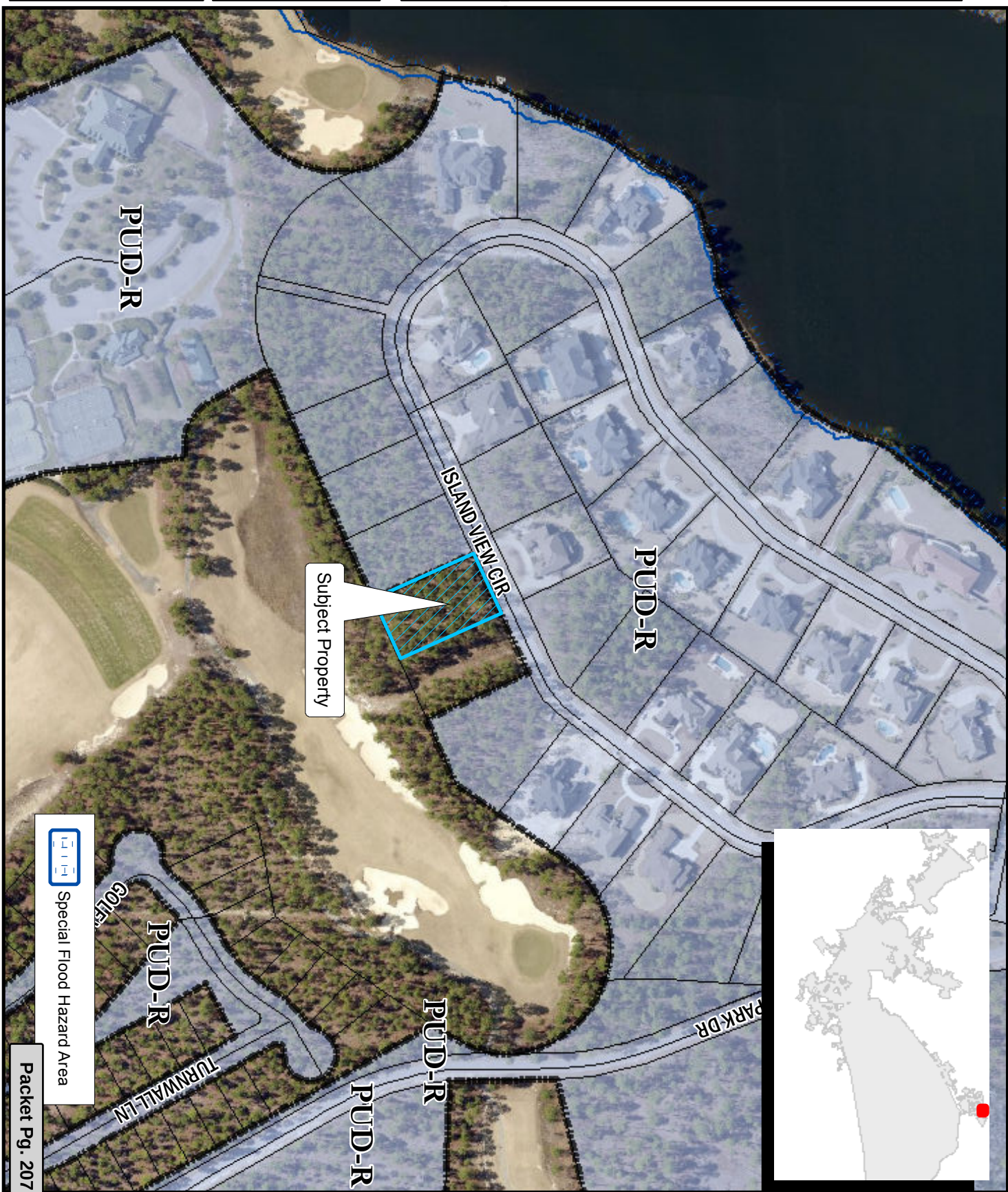
Shane Shaughnessy
March 17, 2017

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We Are Columbia



152 Island View Circle; TMS# 28907-01
Existing Zoning: PDD; Proposed Zoning: PUD-R

12.b



Special Flood Hazard Area

Packet Pg. 207

STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

The undersigned, being the owner(s) of the property described below hereby petition(s) the Mayor and City Council for annexation to the City of Columbia, South Carolina pursuant to S.C. Code Ann. Section 5-3-150, 1976, as amended.

Property Description: All that certain piece, parcel or lot of land, together with improvements thereon, situate, lying and being in the County of Richland, State of South Carolina, being shown and designated as Lot 29, Area B2, Phase 2 on a Bonded Plat of Woodcreek Farms Development prepared by United Design Services, Inc. dated October 4, 2006, and recorded in the office of the Register of Deeds for Richland County in Plat/Record Book 1315 at page 168. Reference to said plat is made for a more complete and accurate description.

Richland County TMS: 28907-01-08

Property Addresses: 152 Island View Circle

Executive Construction Homes, LLC

BY: 
Edward O Yandle
 (Print or Type Name)

Date: 3/14/17
 Its: Menda
 (Print or Type Title)

Book 2194-1113

2017017644 03/15/2017 14:31:05:577

Fee: \$0.00

County Tax: \$0.00

Notice
 State Tax: \$0.00



2017017644

John T. Hopkins II

Richland County R.O.D.

WATER PROVIDER:
CITY OF COLUMBIA
P.O.# 47
COLUMBIA, SC 29117
(803)564-3500

SEWER PROVIDER:
PAULETTO UTILITIES
1710 WOODSIDE FRANKS ROAD
(803)869-2400

[illegible]

CLINE #1
 R=150.00
 D=2728.53°
 T=56.68
 L=71.95
 C LEM=71.28°
 BRG=N 5115.27° E

CLINE #2
 R=150.00
 D=3903.33°
 T=84.97
 L=154.62
 C LEM=147.08°
 BRG=N 0759.14° E

CLINE #3
 R=450.00
 D=3271.04°
 T=128.82
 L=252.76
 C LEM=252.47°
 BRG=N 0527.27° W

Date _____
 Rec'd # _____
 Signature _____

47-07
205201
Jesse Miller

UNITED STATES CAROLINA
DESIGN SERVICES, INC.
No. C000574
AUTHORIZATION

Variable	Mean	Standard deviation
C1	12.00	26.45
C2	50.00	33.74
C3	223.00	32.80
C4	10.00	20.84
C5	816.00	32.72
C6	200.00	38.68
C7	175.00	18.16
C8	475.00	17.02
C9	200.00	18.21
C10	200.00	15.10
C11	200.00	16.21
C12	175.00	6.14
C13	175.00	9.91
C14	175.00	6.99
C15	175.00	7.50
C16	450.00	21.57
C17	175.00	15.23
C18	125.00	11.47
C19	125.00	4.70
C20	125.00	4.70

122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39	-40	-41	-42	-43	-44	-45	-46	-47	-48	-49	-50	-51	-52	-53	-54	-55	-56	-57	-58	-59	-60	-61	-62	-63	-64	-65	-66	-67	-68	-69	-70	-71	-72	-73	-74	-75	-76	-77	-78	-79	-80	-81	-82	-83	-84	-85	-86	-87	-88	-89	-90	-91	-92	-93	-94	-95	-96	-97	-98	-99	-100	-101	-102	-103	-104	-105	-106	-107	-108	-109	-110	-111	-112	-113	-114	-115	-116	-117	-118	-119	-120	-121	-122	-123	-124	-125	-126	-127	-128	-129	-130	-131	-132	-133	-134	-135	-136	-137	-138	-139	-140	-141	-142	-143	-144	-145	-146	-147	-148	-149	-150	-151	-152	-153	-154	-155	-156	-157	-158	-159	-160	-161	-162	-163	-164	-165	-166	-167	-168	-169	-170	-171	-172	-173	-174	-175	-176	-177	-178	-179	-180	-181	-182	-183	-184	-185	-186	-187	-188	-189	-190	-191	-192	-193	-194	-195	-196	-197	-198	-199	-200	-201	-202	-203	-204	-205	-206	-207	-208	-209	-210	-211	-212	-213	-214	-215	-216	-217	-218	-219	-220	-221	-222	-223	-224	-225	-226	-227	-228	-229	-230	-231	-232	-233	-234	-235	-236	-237	-238	-239	-240	-241	-242	-243	-244	-245	-246	-247	-248	-249	-250	-251	-252	-253	-254	-255	-256	-257	-258	-259	-260	-261	-262	-263	-264	-265	-266	-267	-268	-269	-270	-271	-272	-273	-274	-275	-276	-277	-278	-279	-280	-281	-282	-283	-284	-285	-286	-287	-288	-289	-290	-291	-292	-293	-294	-295	-296	-297	-298	-299	-300	-301	-302	-303	-304	-305	-306	-307	-308	-309	-310	-311	-312	-313	-314	-315	-316	-317	-318	-319	-320	-321	-322	-323	-324	-325	-326	-327	-328	-329	-330	-331	-332	-333	-334	-335	-336	-337	-338	-339	-340	-341	-342	-343	-344	-345	-346	-347	-348	-349	-350	-351	-352	-353	-354	-355	-356	-357	-358	-359	-360	-361	-362	-363	-364	-365	-366	-367	-368	-369	-370	-371	-372	-373	-374	-375	-376	-377	-378	-379	-380	-381	-382	-383	-384	-385	-386	-387	-388	-389	-390	-391	-392	-393	-394	-395	-396	-397	-398	-399	-400	-401	-402	-403	-404	-405	-406	-407	-408	-409	-410	-411	-412	-413	-414	-415
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SCALE: 1" = 100'

16.87 AC IN PHASE 2
14.51 AC IN 21 SINGLE FAMILY RESIDENTIAL LOTS
0.67 AC IN COMMON AREA
1.78 AC IN ROAD RIGHT-OF-WAY
THERE IS A 10' CITY OF COLUMBIA WATER LINE
EASEMENT ON ALL SERVICES TO THE MAIN WATER LINE
OWNERSHIP OF STREETS AND STORM DRAINAGE TO BE
RETAINED BY THE DEVELOPER
MINIMUM SETBACKS PER ZONING
25' FRONT
20' REAR
10' SIDE

VICINITY MAP

WATER PROVIDER:
CITY OF COLUMBIA
P.O. #7
COLUMBIA, SC 29217
(803)545-3400

SEWER PROVIDER:
PAULETTO UTILITIES
1710 WOODS-CREEK FARMS ROAD
ELDM, SC 29045
(803)698-2409

NORTHWOODS
LAKE

RECEIVED NEW WATER LINE EASEMENTS FROM
PAULETTO UTILITIES
RECEIVED 5/22/07 FROM CITY OF COLUMBIA
REVIEW COMMENTS

Book 1315-168
2007/08/08 09:18:00 #1 30.50.00
Fee \$10.00 County Tax \$0.00 State Tax \$0.00

	RECEIVED	<u>BONDED SUBDIVISION PLAT OF</u>	
	MAY 16 2007	WOODCREEK FARMS DEVELOPMENT AREA B2 - PHASE 2	
RICHLAND COUNTY ZONING OFFICE			
RICHLAND COUNTY near COLUMBIA, SOUTH CAROLINA			
540 ST. ANDREWS ROAD, COLUMBIA, SC 29210 ■ (803)750-9142			

Packet Pg. 20



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment: ±347.2 acres, a/k/a 10750 Two Notch Road; TMS# 28900-01-11(p)

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-040 - Annexing and Incorporating 347.2 acres a/k/a 10750 Two Notch Road, Richland County TMS #28900-01-11(p), into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014
on February 17, 2015

Council District:4

Proposal:Request to annex, assign land use classifications of Urban Edge Residential-Small Lot (UER-1), Urban Edge Residential-Large Lot (UER-2), and Community Activity Corridor (AC-2), and assign zoning of Planned Unit Development-Residential District (PUD-R). The property is currently classified as Neighborhood (Medium Density) and zoned PDD by Richland County.

Applicant:Woodcreek Development, LLC

Staff Recommendation:Approval

PC Recommendation:04/03/2017; Approval (7-0)

ATTACHMENTS:

- **#a:** ANNEX_347.2acres_aka_TwoNotch(PDF)

- #b: 2017-040 annex-incorporate 347.2 ac 10750 Two Notch (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

ANNEXATION, COMPREHENSIVE PLAN MAP AMENDMENT, AND ZONING MAP AMENDMENT CASE SUMMARY

±347.2 acres, a/k/a 10750 Two Notch Road; TMS# 28900-01-11(p)

Council District: 4

Proposal: Request to annex, assign land use classifications of Urban Edge Residential-Small Lot (UER-1), Urban Edge Residential-Large Lot (UER-2), and Community Activity Corridor (AC-2), and assign zoning of Planned Unit Development-Residential District (PUD-R). The property is currently classified as Neighborhood (Medium Density) and zoned PDD by Richland County.

Applicant: Woodcreek Development, LLC

Staff Recommendation: Approval

PC Recommendation: 04/03/2017; Approval (7-0)

PH, 1st Reading: 05/16/2017; PENDING

2nd Reading: 06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: ±347.2 acres
Current Use: Vacant Land
Proposed Use: Residential subdivisions with commercial
Reason for Annexation: Municipal Services.
Urban Service Area: Secondary and Long Range
Current Land Use Classification: Neighborhood (Medium Density)
Proposed Land Use Classification: Urban Edge Residential-Small Lot (UER-1), Urban Edge Residential-Large Lot (UER-2), and Community Activity Corridor (AC-2)
Current Richland County Zoning: Planned Development District (PDD)
Proposed Zoning: Planned Unit Development-Residential District (PUD-R)
Census Tract: 114.07

DETERMINATION FOR CITY SERVICES

The following determination is an estimate of the benefits and costs associated with the annexation of the subject property.

Police

We find that the proposed annexation will result in an increased number of calls for services and will cost the CPD approximately **\$17,800** annually to provide service for this proposed residential subdivision based upon current calls for service within nearby residential areas.

Fire

The proposed annexation **will not result in additional costs or impact services** being provided by this department. Annexation would lower the ISO rating of this property to a Class 1 from a Class 2.

Solid Waste

The property is a proposed residential subdivision. Solid Waste services cost would be \$187 per dwelling unit.

Engineering

Because water lines are available to the property, the Utilities and Engineering Division **will not incur any costs** associated with this annexation.

Water Customer Care

Annexation will result in an approximately **40% reduction** in water service rates for the property.

Planning & Development Services

We recommend annexation of this property. Based upon the allowable development within the current Richland County PDD/proposed City of Columbia PUD-R, this section of Woodcreek Farms may have up to approximately 960 dwelling units, though the final developed number may be half as much. Based on this range, the estimated annual City property tax revenue generated after annexation of this property will be approximately **\$200,000 to \$400,000**.

*Estimated City Tax Revenue calculated as: (Tax Value*Tax Rate)*City Millage Rate (.0961)) - (Tax Value*Local Option Sales Tax Credit (.002347)).

PLANS, POLICIES, AND LAND USE

Urban Service Area

Subject property is partially in a “Secondary area” and partially in a “Long Range area” as identified in the Urban Service Area Map.

Principles and Goals of the Urban Service Area

The Urban Service Area identifies those areas the City of Columbia wishes to provide with urban services. Primary emphasis will be given to annexing developed areas adjoining the City limits and “islands” of unincorporated territory surrounded by the City. Primary, secondary, and long-range annexation priorities for specific areas may be identified. Secondary areas may include higher value properties which assist the City in achieving a more balanced economic base.

Secondary areas are those areas where the City determines it logical or advantageous to provide services, but where all services and/or the condition of existing infrastructure may not be at optimal levels for annexation at this time. For instance, it may be that the property is outside of the generally accepted fire response area, or the storm drainage and/or road system is substandard. Annexation in these areas may occur, but a more detailed analysis will be needed to determine the possible impact on revenue. As is stated in the policy, these areas may include “higher value” properties that would prove beneficial to revenues.

Long Range areas include parcels that are anticipated for future growth and urban service expansion, but are currently lacking in basic service availability. The basis for this area is the Water Service Boundary established in the Comprehensive Plan which was then modified for the establishment of an Urban Service Area through a more detailed analysis of existing development and growth of adjacent municipalities. Long Range areas periodically will need to be reviewed to determine whether the status needs revision due to change in conditions.

Staff recommends that the subject property be designated Urban Edge Residential – Small Lot (UER-1), Urban Edge Residential- Large Lot (UER-2), and Community Activity Corridor (AC-2) in The Columbia Plan 2018 Future Land Use Map (as shown on the enclosed map).

Urban Edge Residential – Small Lot (UER-1)

Urban Edge Residential Small Lot neighborhoods account for a significant portion of the city's existing residential neighborhoods. This development type is appropriate as development on remaining large lots or as redevelopment in the outer areas of Columbia. Most of these developments are relatively modern and occurred after 1970. Urban Edge Residential Small Lot developments generally do not continue the grid and block pattern found in the urban core neighborhoods, but do tend to have a consistently organized internal street network with loops and interconnections. Culs-de-sac are most prominent in this development type.

Primary Types:

- Single-family Detached

Tertiary Types:

- Single-family Attached
- Two-family
- Three-family
- Multi-family Small
- Small Format Business / Employment (excl. Flex)
- Small Format Civic / Institutional
- Cemeteries & Mausoleums

Urban Edge Residential – Large Lot (UER-2)

Urban Edge Residential Large Lot neighborhoods represent many of the City's older residential neighborhoods in the outer areas of the City. This development type is appropriate as development on remaining large lots or as redevelopment in the outer areas of Columbia. Most of the existing developments occurred after 1950. Urban Edge Residential Large Lot developments generally do not continue the grid and block pattern found in the urban neighborhoods, but do tend to have a consistently organized internal street network with loops and interconnections.

Primary Types:

- Single-family Detached
- *Accessory dwelling units

Tertiary Types:

- Single-family Attached
- Two-family
- Three-family
- Small Format Business / Employment
- Small Format Civic / Institutional
- Cemeteries & Mausoleums

Community Activity Corridor (AC-2)

Community Activity Corridors are a linear extension of a Community Activity Center. They contain nearly identical building types and uses to a Community Activity Center; the primary difference is the configuration of the lots and the lack of an internal subdivision or street network. Uses are built on frontage lots along principal and minor arterial roadways. They serve surrounding neighborhoods within a 3-5 mile drive and typically consist of a variety of commercial and service uses.

Primary Types:

- Small and Medium Business / Employment (excl. Flex)
- Multi-family Small and Medium Mixed-use

Secondary Types:

- Multi-family Small and Medium

Tertiary Types:

- Civic / Institutional
- Large Format Business / Employment (excl. Flex)
- Single-family Attached
- Cemeteries & Mausoleums
- Parking Structures and Lots

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is not covered by an area plan which has been adopted by the City of Columbia or Richland County.

PROPOSED ZONING DISTRICT SUMMARY

The parcel is currently zoned Planned Development District (PDD) by Richland County. Surrounding parcels within the City of Columbia are currently Planned Unit Development-Residential District (PUD-R).

The proposed City of Columbia zoning district is Planned Unit Development-Residential District (PUD-R).

Planned Unit Development-Residential District (PUD-R)

(a). The intent of planned unit development districts is to derive the benefits of efficiency, economy and flexibility by encouraging unified development of large sites, while also obtaining the advantage of creative site design, improved appearance, compatibility of uses, optimum service by community facilities, and better functioning of vehicular access and circulation. It is the intent of this article to allow development of large sites subject to specific regulations concerning permitted uses, but only subject to regulations concerning lot area, building coverage, yard spaces and building height insofar as the city council shall deem appropriate to fulfill the intent of this article, upon presentation of certification from the owners, developers or other parties at interest in the development of such sites that they will adhere to development policies which will fulfill the intent of this article.

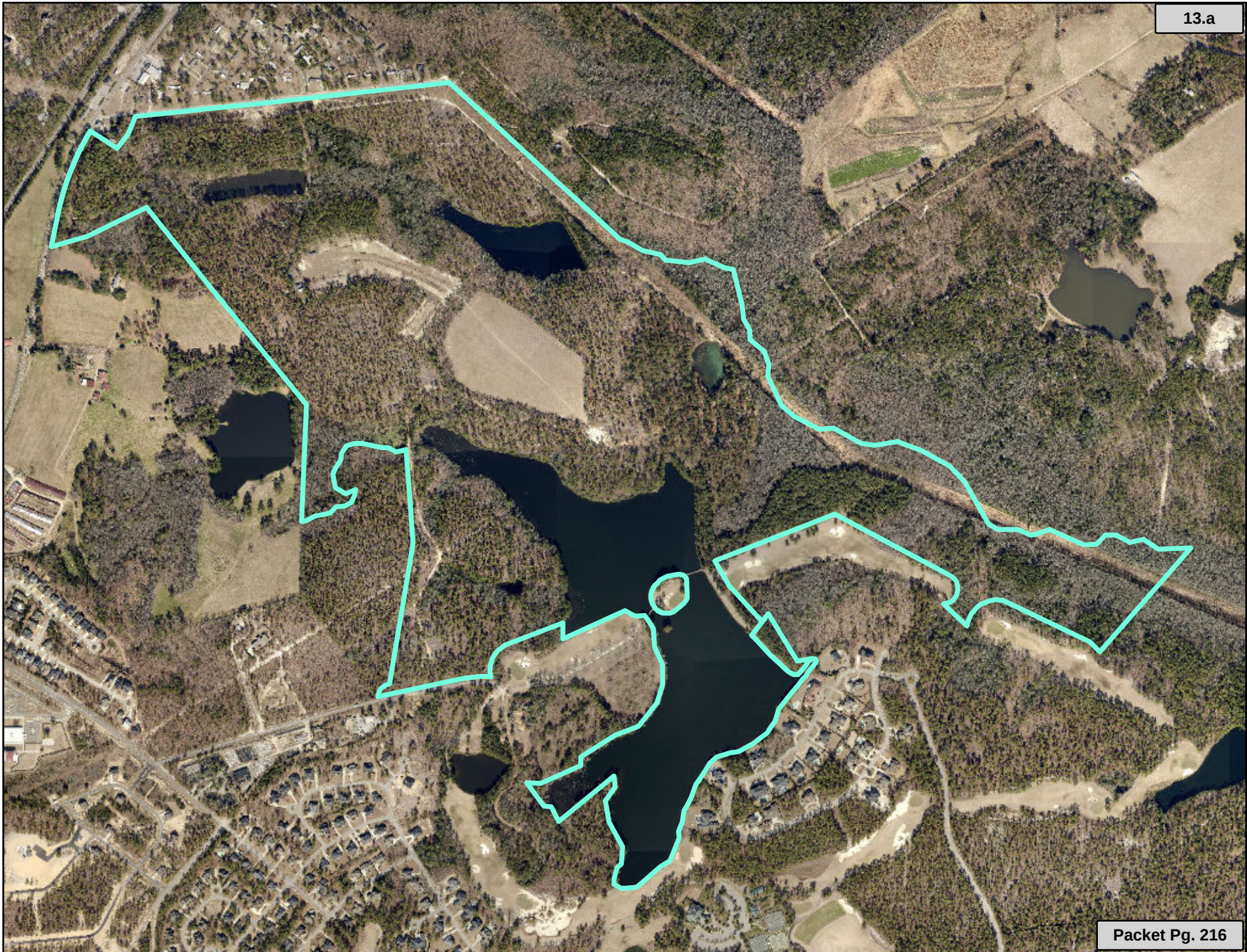
(b) Types of districts. Two types of districts accommodating primarily residential or nonresidential uses are created as follows:

- (1) PUD-R Planned Unit Development—Residential. The PUD-R district is intended to accommodate residential uses, with nonresidential uses integrated into the design of such districts as secondary uses.
- (2) PUD-C Planned Unit Development—Commercial. The PUD-C district is intended to accommodate primarily nonresidential uses, with residential uses integrated into the design of such districts as secondary uses.

(c) The types of residential dwelling units and the types of nonresidential uses allowed to be established in such districts increase with increasing site size of such districts, based upon the premise that increased site size will allow proper design, including functional interrelations, buffer treatments separating uses with potentially incompatible characteristics of use, design of access patterns, and relationships of uses within such planned unit developments with uses in adjacent districts. It is the intent of this article that such design and planning features be incorporated properly into any PUD district hereafter created, and that the planning commission and city council shall consider the existence and appropriateness of such features before any amendment to the zoning map is adopted to create such district.

STAFF RECOMMENDATION

Staff recommends City Council annex the property, adopt an ordinance assigning Urban Edge Residential-Small Lot (UER-1), Urban Edge Residential-Large Lot (UER-2), and Community Activity Corridor (AC-2) land use classification and assign PUD-R zoning at the time of annexation.



Future Land Use Map

±347.2 acres, a/k/a 10750 Two Notch Road; TMS# 28900-01-11(p);
Existing Richland FLU: Neighborhood (Medium Density); Proposed FLU: UER-1, UER-2 and AC-2

13.a

Department of Planning &
Development Services

Legend

-  CITY LIMITS
-  PARCELS
-  UCMR-1 - Urban Core Mixed Residential-1
-  UCMR-2 - Urban Core Mixed Residential-2
-  UEMR - Urban Edge Mixed Residential
-  UEMF - Urban Edge Multi-Family
-  UCR-1 - Urban Core Residential Small Lot
-  UCR-2 - Urban Core Residential Large Lot
-  UER-1 - Urban Edge Residential Small Lot
-  UER-2 - Urban Edge Residential Large Lot
-  UCAC-1 - Urban Core Neighborhood Activity Center
-  UCAC-2 - Urban Core Community Activity Center
-  UEAC-1 - Urban Edge Community Activity Center
-  UCAC-3 - Urban Core Regional Activity Center
-  UEAC-2 - Urban Edge Regional Activity Center
-  AC-1 - Neighborhood Activity Corridor
-  AC-2 - Community Activity Corridor
-  AC-3 - Regional Activity Corridor
-  EC - Employment Campus
-  IND - Industrial
-  TU - Transportation & Utilities
-  SD-1 - Sports/Amusement District
-  SD-2 - Civic/Institutional Districts
-  SD-3 - Central Business District
-  SD-4 - Riverbanks Zoo and Garden
-  SD-5 - Universities/Colleges
-  SD-6 - Fort Jackson



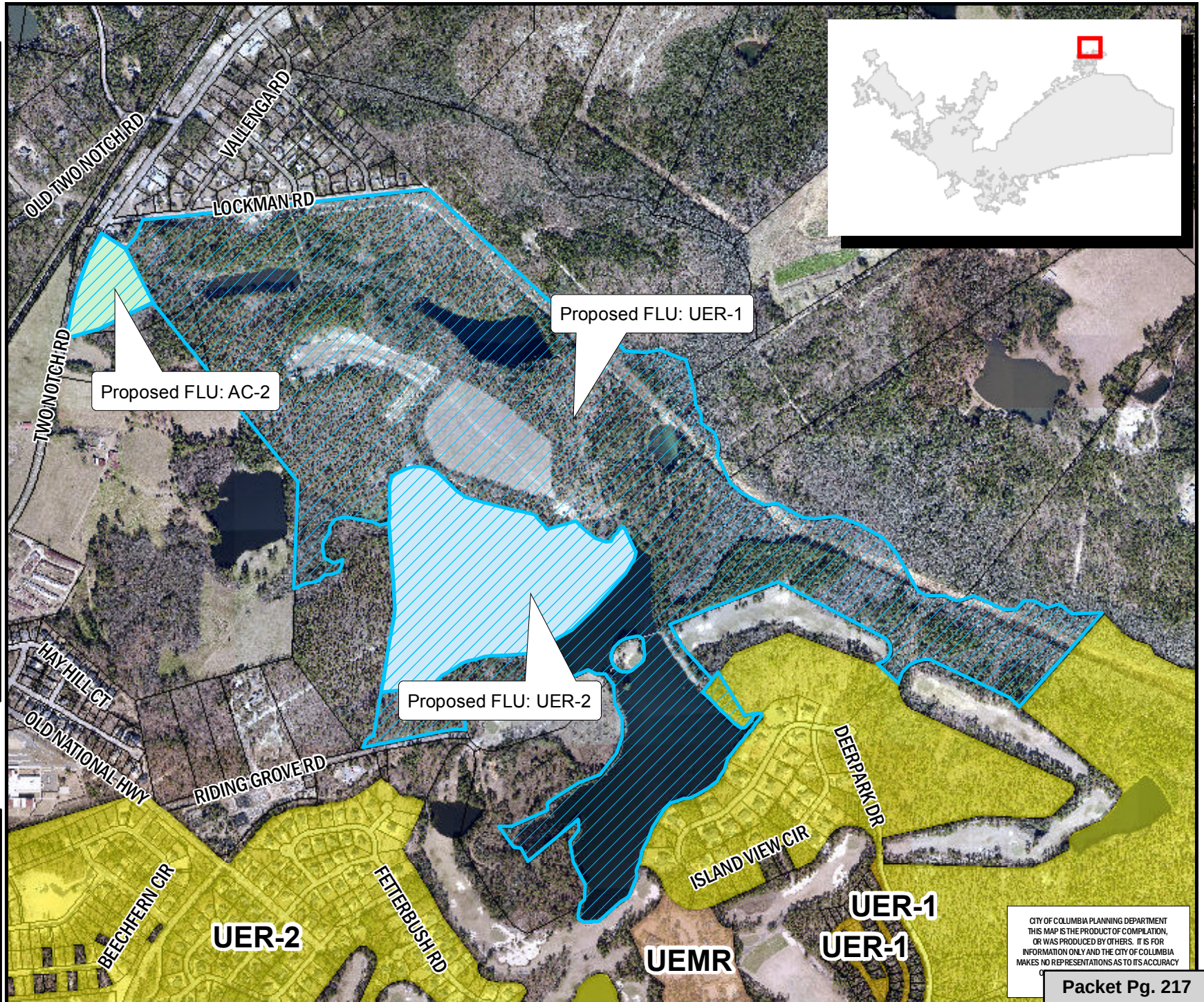
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Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
March 17, 2017



We Are Columbia



CITY OF COLUMBIA PLANNING DEPARTMENT
THIS MAP IS THE PRODUCT OF COMPILED,
OR WAS PRODUCED BY OTHERS. IT IS FOR
INFORMATION ONLY AND THE CITY OF COLUMBIA
MAKES NO REPRESENTATIONS AS TO ITS ACCURACY

Packet Pg. 217

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

±347.2 acres, a/k/a 10750 Two Notch Road; TMS# 28900-0
Existing Zoning: PDD; Proposed Zoning: PUD-R

13.a

Legend

CITY LIMITS
 PARCELS

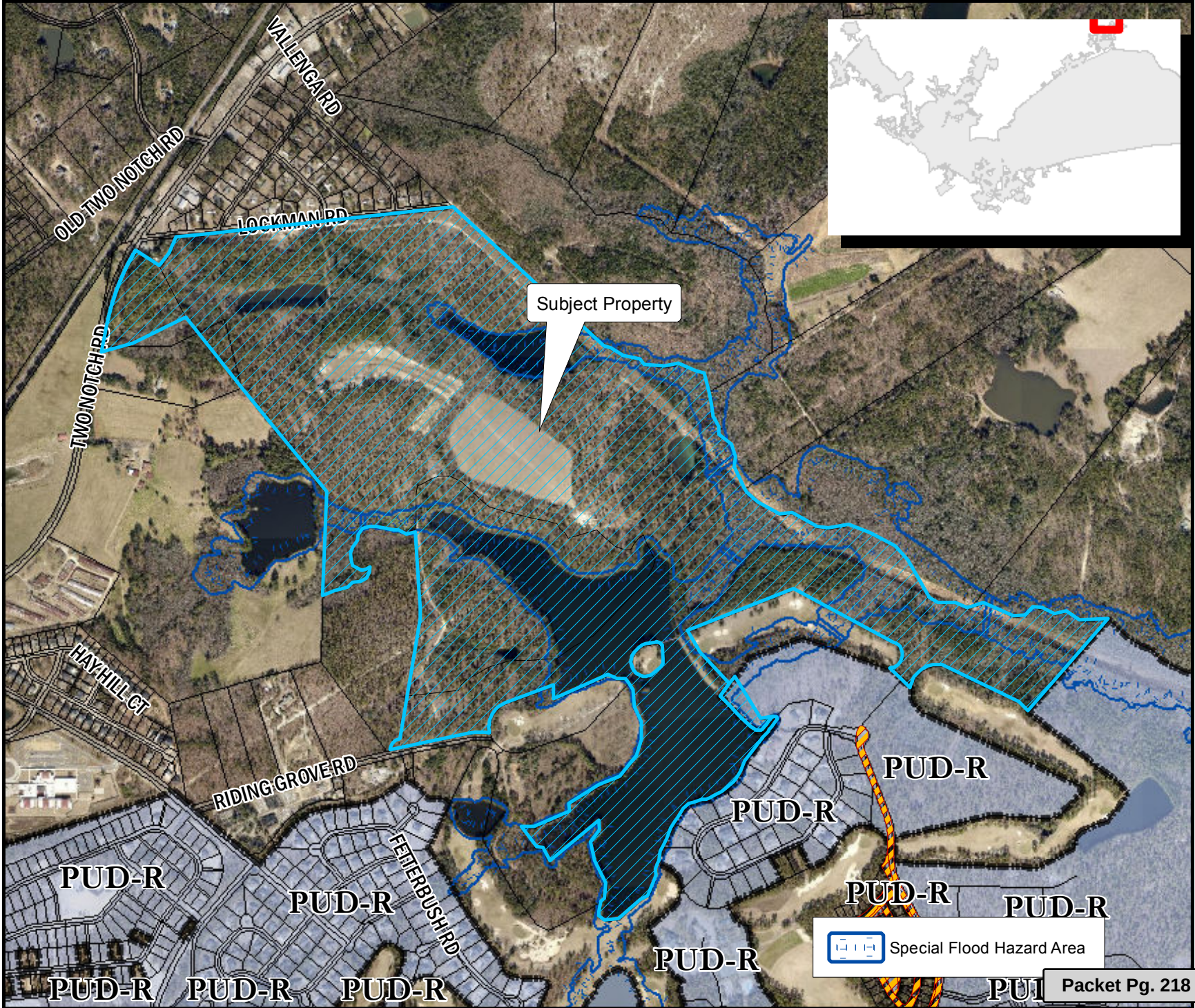
D-1	C-1
RS-1	C-2
RS-1A	C-3
RS-1B	C-3A
RS-2	C-4
RS-3	C-5
RD	M-1
RD-2	M-2
RG-1	PUD-C
RG-1A	PUD-LS
RG-2	PUD-LS-E
RG-3	PUD-LS-R
UTD	PUD-R
MX-1	OUT OF CITY
MX-2	

0 250 500 1,000 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

Shane Shaughnessy
March 17, 2017

DISCLAIMER:
The City of Columbia Department of Planning and Development Services data represented on this map or plan is the product of compilation, as produced by others. It is provided for informational purposes only and the City of Columbia makes no representation as to its accuracy. Its use without field verification is at the sole risk of the user.



ORDINANCE NO.: 2017-040

Annexing and Incorporating 347.2 acres a/k/a 10750 Two Notch Road, Richland County TMS #28900-01-11(p), into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

WHEREAS, a proper petition has been filed with the City Council by one hundred (100%) percent of the property owners of the within described property under the provisions of South Carolina Ann. Sec. 5-3-150; and,

WHEREAS, it appears to City Council that the annexation of the property would be in the best interest of the property owners and the City of Columbia; and,

WHEREAS, City Council adopted the City of Columbia Comprehensive Plan 2018 by Ordinance No.: 2008-085 on October 1, 2008, and amended from time to time, in accordance with South Carolina Comprehensive Planning Act of 1994 (Title 6, Chapter 29 of the SC Code) and heard public comments on this amendment; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017, that the property described herein is hereby annexed to, incorporated into Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015, and becomes a part of the City of Columbia effective immediately. This property shall be zoned Planned Unit Development-Residential (PUD-R), apportioned to City Council District 4, Census Tract 114.07, contains 347.2 acres, and shall be assigned a land use classification Urban Edge Residential-Small Lot (UER-1), Urban Edge Residential-Large Lot (UER-2), and Community Activity Corridor (AC-2).

PROPERTY DESCRIPTION: See Attached Exhibit "A"

Richland County TMS NO.: 28900-01-11(p)

Also included in the territory hereby annexed are all contiguous portions of all public rights of way, streets and highways.

Requested by:

Assistant City Manager Gentry

Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:

EXHIBIT "A"
PROPERTY DESCRIPTION
ORDINANCE NO.: 2017-040

All that certain piece, parcel or lot of land, with improvements thereon, if any, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, a 347.2 acre portion of Tract A as shown on a plat prepared for Woodcreek Development, LLC by United Design Services, Inc. dated June 3, 2013, and recorded in the Office of the Register of Deeds for Richland County in Record Book 1889 at Page 1578.

LEGAL DEPARTMENT DRAFT

MEMORANDUM

Office of the City Manager

TO: Department Heads

FROM: Teresa Wilson, City Manager

DATE: March 23, 2017

RE: **Property Address:** ±347.2 acres, a/k/a 10750 Two Notch Road (portion)
Richland County TMS#: 28900-01-11 (portion)
Owner(s): Woodcreek Development, LLC
Current Use: Vacant land
Proposed Use: Residential subdivisions with commercial
Current County Land Use: Neighborhood (Medium Density)
Proposed City Land Use: Urban Edge Residential – Small Lot (UER-1), Urban Edge Residential – Large Lot (UER-2), and Community Activity Corridor (AC-2)
Current County Zoning: PDD (Planned Development District)
Proposed City Zoning: PUD-R (Planned Unit Development - Residential)
Reason for Annexation: Municipal Services/Secondary and Long Range
City Council District: 4
Census Tract: 114.07

The Planning & Development Services advises that the above referenced property has been offered for annexation. Attached, please find a map or drawing reflecting the property. You are directed to forward your comments and/or recommendations regarding the issue of whether to annex or not to Planning & Development Services. Planning & Development Services will compile your comments for City Council consideration.

Planning & Development Services staff will see to it that this matter is placed on the **April 3, 2016** Planning Commission's agenda. Planning & Development Services staff will notify the City Attorney of the Planning Commission's zoning recommendation by forwarding a copy of this form, completed, as soon as the Planning Commission has met.

/atl

Attachments

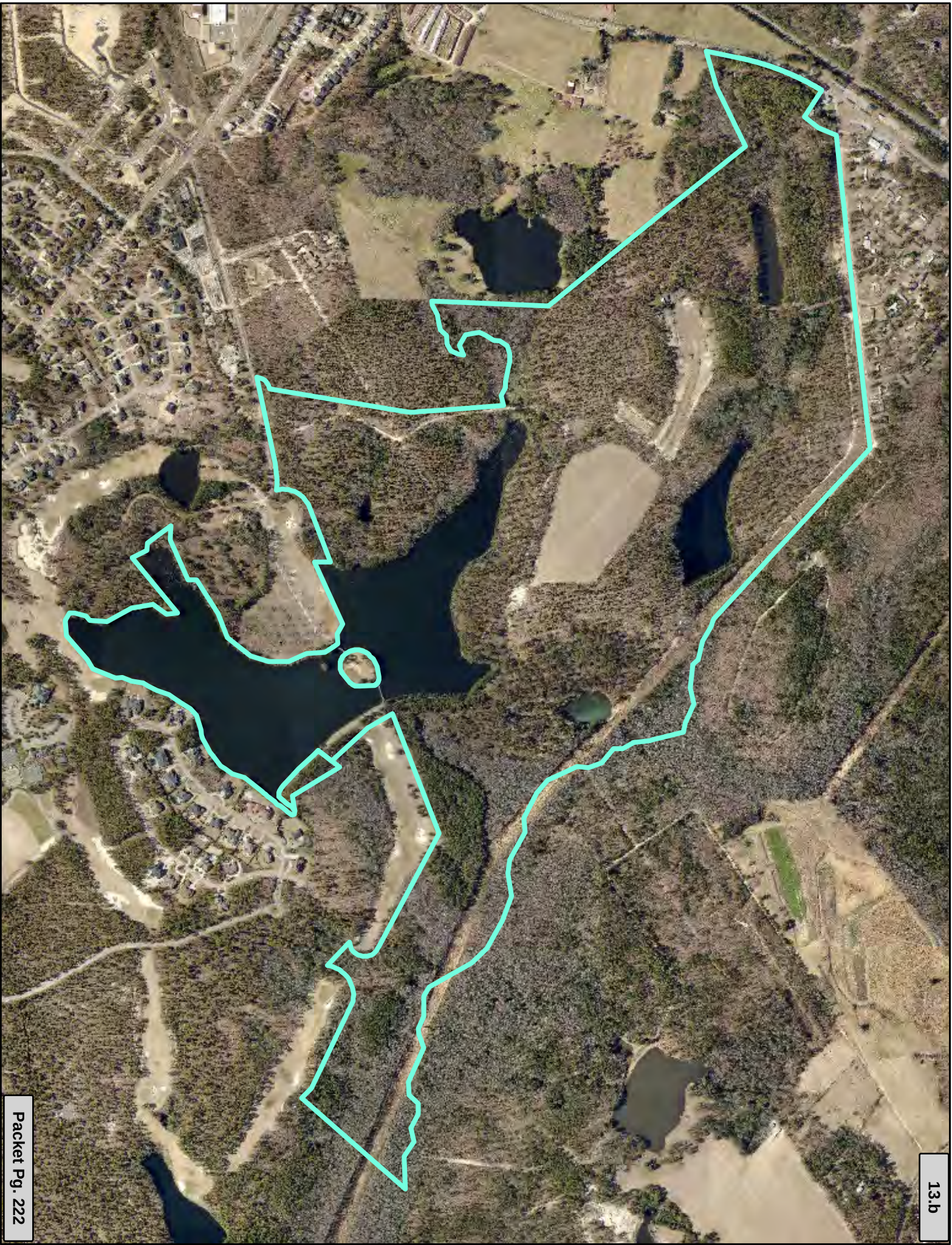
cc: S. Allison Baker, Sr. Assistant City Manager
 William Holbrook, Police Chief
 Teresa Knox, City Attorney
 Dana Higgins, City Engineer
 Krista Hampton, Planning & Development Services
 Gloria Saeed, Community Development Director
 Roger Myers, Business License Administrator
 Angela Adams, Water Customer Service
 Jerry Thompson, Building Official
 Susan Leitner, Engineering
 Denny Daniels, Engineering
 Carolyn Wilson, Police Planning & Research
 Jan Alonso, Finance Director

Missy Gentry, Assistant City Manager
 Aubrey Jenkins, Fire Chief
 Joseph Jaco, Utilities and Engineering
 Robert Anderson, Public Works Director
 Jeff Palen, Assistant City Manager/CFO
 George Adams, Fire Marshal
 Brian Cook, Zoning Administrator
 Kimberly Gathers, Columbia-Richland 911
 David Hatcher, Housing Official
 Richland County Solid Waste Collection
 John Fellows, Planning Administrator
 Zach Kay, Dev. Center Administrator
 Alfreda Tindall, Richland Co. 911 Addressing Coordinator

Planning Commission Zoning Recommendation: PUD-R (Zoning classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).

Planning Commission Land Use Recommendation: UER-1 / UER-2 / AC-2 (Land Use classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).


 (Signature of Annexation Coordinator)



Department of Planning & Development Services

Legend

CITY LIMITS

PARCELS

UCMR-1 - Urban Core Mixed Residential-1

UCMR-2 - Urban Core Mixed Residential-2

UEMR - Urban Edge Mixed Residential

UEMF - Urban Edge Multi-Family

UCR-1 - Urban Core Residential Small Lot

UCR-2 - Urban Core Residential Large Lot

UER-1 - Urban Edge Residential Small Lot

UER-2 - Urban Edge Residential Large Lot

UCAC-1 - Urban Core Neighborhood Activity Center

UCAC-2 - Urban Core Community Activity Center

UEAC-1 - Urban Edge Community Activity Center

UEAC-2 - Urban Edge Regional Activity Center

AC-1 - Neighborhood Activity Center

AC-2 - Community Activity Center

AC-3 - Regional Activity Center

EC - Employment Campus

IND - Industrial

TU - Transportation & Utilities

SP-1 - Sports /Amusement District

SP-2 - Civic/Institutional District

SP-3 - Central Business District

SP-4 - Riverbanks Zoo and Garden

SP-5 - Universities/Colleges

SP-6 - Fair Jackson

0 250 500 1,000

Feet

N

ORIGINAL PREPARATION/DATE:

This map was prepared by:

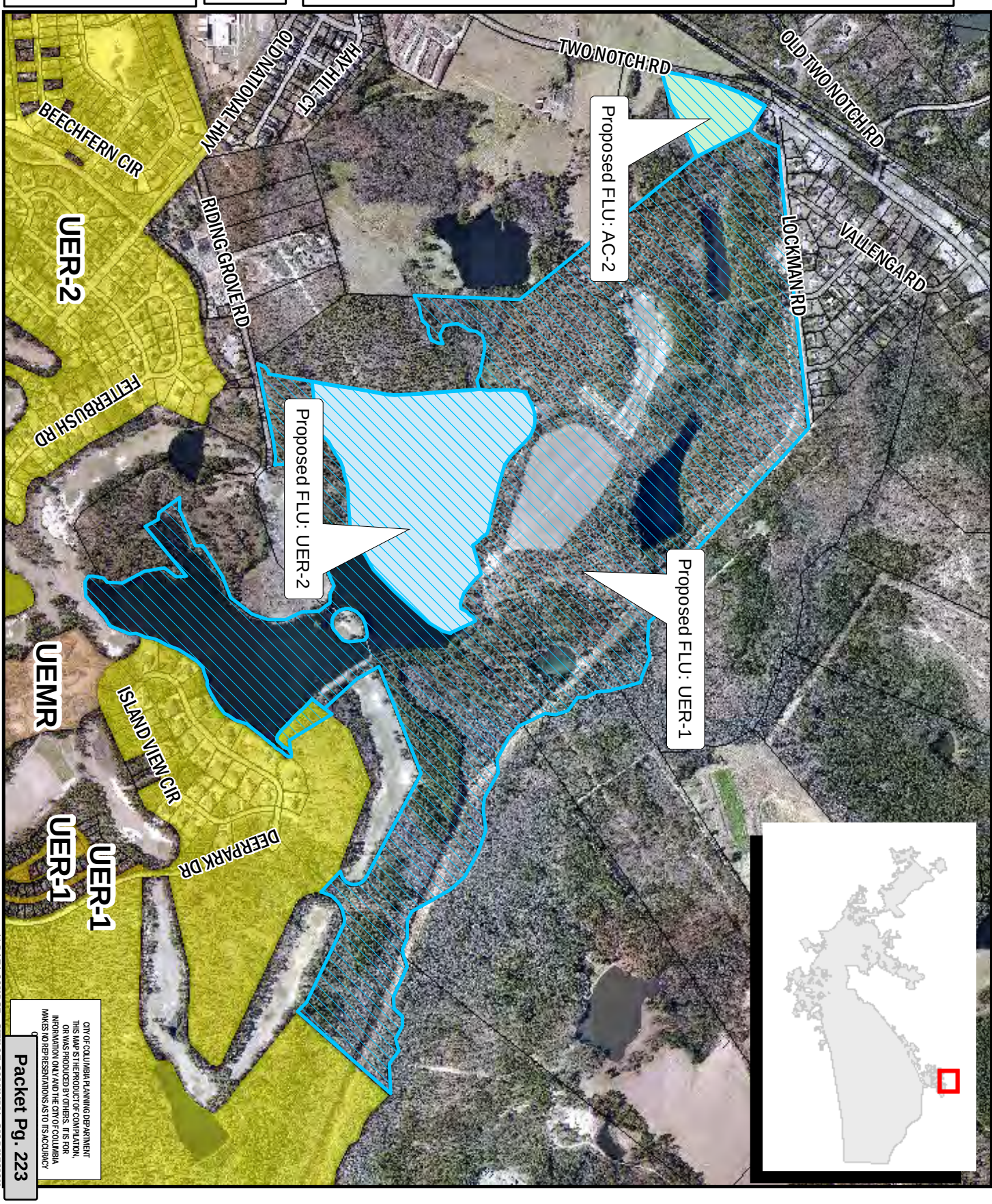
Shane Shaughnessy

March 17, 2017

CITY OF COLUMBIA, S.C.

PLANNING DEPARTMENT

WE ARE COLUMBIA



Zoning Map

Department of Planning & Development Services

±347.2 acres, a/k/a 10750 Two Notch Road; TMS# 28900-0
Existing Zoning: PDD; Proposed Zoning: PUD-R

13.b

Legend



- | | |
|-------|-------------|
| D-1 | C-1 |
| RS-1 | C-2 |
| RS-1A | C-3 |
| RS-1B | C-3A |
| RS-2 | C-4 |
| RS-3 | C-5 |
| RD | M-1 |
| RD-1 | M-2 |
| RD-2 | PUD-C |
| RD-3 | PUD-L |
| RD-4 | PUD-L-E |
| RD-5 | PUD-L-S |
| RD-6 | PUD-L-S-R |
| RD-7 | PUD-R |
| RD-8 | OUT OF CITY |
| MX-1 | |
| MX-2 | |



0 250 500 1,000 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

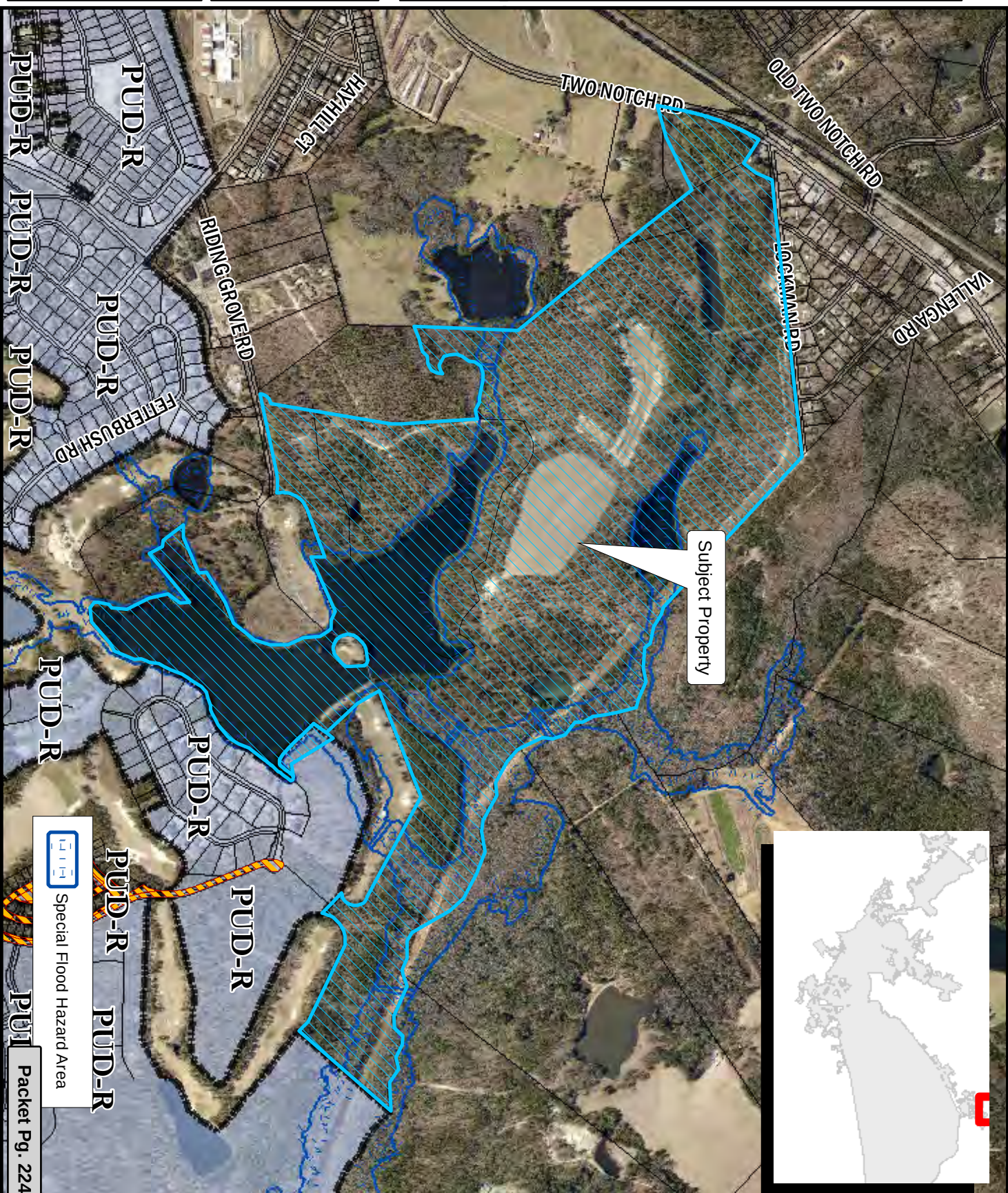
Shane Shaughnessy
March 17, 2017

DISCLAIMER:

The City of Columbia Department of Planning and Development Services data represented on this map or plan is the product of compilation, as produced by others. It is provided for informational purposes only and the City of Columbia makes no representation as to its accuracy. Its use without field verification is at the sole risk of the user.



We Are Columbia



Subject Property



Special Flood Hazard Area

PUD-R

Packet Pg. 224

STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

The undersigned, being the owner(s) of the property described below hereby petition(s) the Mayor and City Council for annexation to the City of Columbia, South Carolina pursuant to S.C. Code Ann. Section 5-3-150, 1976, as amended.

Property Description: All that certain piece, parcel, or tract of land, together with improvements thereon, if any, being situate in the County of Richland, State of South Carolina, a 347.2 acre portion of Tract A as shown on a plat prepared for Woodcreek Development LLC, by United Design Services, Inc., dated June 3, 2013, and recorded in the office of the Register of Deeds for Richland County in Record Book 1889 at page 1578.

Richland County TMS: 028900-01-11 (portion)

Property Address: ±347.2 acres, a/k/a 10750 Two Notch Road (portion)

Woodcreek Development LLC

BY: _____

Date: 3-16-17

Harold Pickrel for
 (Print or Type Name) Woodcreek
 Development
 LLC

Its: Manager
 (Print or Type Title)

Book 2197-3596

2017021661 03/28/2017 16:17:04:117

Fee: \$0.00

County Tax: \$0.00

Notice
 State Tax: \$0.00



2017021661

John T. Hopkins II

Richland County R.O.D.



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Annexation, Comprehensive Plan Map Amendment, and Zoning Map Amendment: 29.25 acres N/S Riding Grove Road (p); TMS# 28900-01-11(p) and 28900-01-30

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-039 - Annexing and Incorporating 29.25 acres N/5 Riding Grove Road, Richland County TMS # 28900-01-11 (p) and 28900-01-30 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

Council District: 4

Proposal: Request to annex, assign land use classification of Urban Edge Residential-Small Lot (UER-1), and assign zoning of PUD-R (Planned Unit Development-Residential District). The property is currently classified as Neighborhood (Medium Density) by Richland County for both parcels and zoned PDD by Richland County for TMS# 28900-01-11 (p) and RS-MD by Richland County for TMS# 28900-01-30.

Applicant: ARBO Woodcreek LLC

Staff Recommendation: Approval

PC Recommendation: 04/03/2017; Approval (7-0)

ATTACHMENTS:

- **#a:** ANNEX_29.25_NS_RidingGrove (PDF)

- #b: 2017-039 annex-incorporate 29.25 ac NS Riding Grove Road (PDF)

HISTORY:

05/16/17

Columbia City Council

APPROVED ON FIRST READING



CITY COUNCIL

May 16, 2017 at 7:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

ANNEXATION, COMPREHENSIVE PLAN MAP AMENDMENT, AND ZONING MAP AMENDMENT CASE SUMMARY

29.25 acres N/S Riding Grove Road (p); TMS# 28900-01-11(p) and 28900-01-30

Council District: 4

Proposal: Request to annex, assign land use classification of Urban Edge Residential-Small Lot (UER-1), and assign zoning of PUD-R (Planned Unit Development-Residential District). The property is currently classified as Neighborhood (Medium Density) by Richland County for both parcels and zoned PDD by Richland County for TMS# 28900-01-11 (p) and RS-MD by Richland County for TMS# 28900-01-30.

Applicant: ARBO Woodcreek LLC

Staff Recommendation: Approval

PC Recommendation: 04/03/2017; Approval (7-0)

PH, 1st Reading: 05/16/2017; PENDING

2nd Reading: 06/06/2017; PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: 29.25 acres
Current Use: Vacant Land
Proposed Use: Single family residential subdivision
Reason for Annexation: Municipal Services
Urban Service Area: Secondary and Long Range
Current Land Use Classification: Neighborhood (Medium Density) for both parcels
Proposed Land Use Classification: Urban Edge Residential-Small Lot (UER-1)
Current Richland County Zoning: PDD for TMS# 28900-01-11(p) and RS-MD for TMS# 28900-01-30
Proposed Zoning: Planned Unit Development-Residential District (PUD-R)
Census Tract: 114.07

DETERMINATION FOR CITY SERVICES

The following determination is an estimate of the benefits and costs associated with the annexation of the subject property.

Police

We find that the proposed annexation will not result in an increased number of calls for services and will cost the CPD approximately **\$1,625** annually at full build-out to provide service for this residential subdivision based upon current calls for service within nearby residential areas.

Fire

The proposed annexation **will not result in additional costs or impact services** being provided by this department. Annexation would lower the ISO rating of this property to a Class 1 from a Class 2.

Solid Waste

The property is a proposed residential subdivision. Solid Waste services cost would be \$187 per dwelling unit.

Engineering

Because water lines are currently available to the property, the Utilities and Engineering Division **will not incur any costs** associated with this annexation.

Water Customer Care

Annexation will result in an approximately **40% reduction** in water service rates to the property.

Planning & Development Services

We recommend annexation of this property. Based upon the development plan within the current Richland County PDD/proposed City of Columbia PUD-R, this section of Woodcreek Farms may have up to approximately 90 dwelling units, with 64 dwellings in the first phase. Based on this number, at full build-out the estimated annual City property tax revenue generated after annexation of this property will be approximately **\$35,000-\$40,000**.

*Estimated City Tax Revenue calculated as: (Tax Value*Tax Rate)*City Millage Rate (.0961)) - (Tax Value*Local Option Sales Tax Credit (.002347)).

PLANS, POLICIES, AND LAND USE

Urban Service Area

Subject property is partially in a “Secondary area” and partially in a “Long Range area” as identified in the Urban Service Area Map.

Principles and Goals of the Urban Service Area

The Urban Service Area identifies those areas the City of Columbia wishes to provide with urban services. Primary emphasis will be given to annexing developed areas adjoining the City limits and “islands” of unincorporated territory surrounded by the City. Primary, secondary, and long-range annexation priorities for specific areas may be identified. Secondary areas may include higher value properties which assist the City in achieving a more balanced economic base.

Secondary areas are those areas where the City determines it logical or advantageous to provide services, but where all services and/or the condition of existing infrastructure may not be at optimal levels for annexation at this time. For instance, it may be that the property is outside of the generally accepted fire response area, or the storm drainage and/or road system is substandard. Annexation in these areas may occur, but a more detailed analysis will be needed to determine the possible impact on revenue. As is stated in the policy, these areas may include “higher value” properties that would prove beneficial to revenues.

Long Range areas include parcels that are anticipated for future growth and urban service expansion, but are currently lacking in basic service availability. The basis for this area is the Water Service Boundary established in the Comprehensive Plan which was then modified for the establishment of an Urban Service Area through a more detailed analysis of existing development and growth of adjacent municipalities. Long Range areas periodically will need to be reviewed to determine whether the status needs revision due to change in conditions.

Staff recommends that the subject property be designated Urban Edge Residential – Small Lot (UER-1) in The Columbia Plan 2018 Future Land Use Map.

Urban Edge Residential Small Lot neighborhoods account for a significant portion of the city's existing residential neighborhoods. This development type is appropriate as development on remaining large lots or as redevelopment in the outer areas of Columbia. Most of these developments are relatively modern and occurred after 1970. Urban Edge Residential Small Lot developments generally do not continue the grid and block pattern found in the urban core neighborhoods, but do tend to have a consistently organized internal street network with loops and interconnections. Culs-de-sac are most prominent in this development type.

Primary Types:

- Single-family Detached

Tertiary Types:

- Single-family Attached
- Two-family
- Three-family
- Multi-family Small
- Small Format Business / Employment (excl. Flex)
- Small Format Civic / Institutional
- Cemeteries & Mausoleums

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is not covered by an area plan which has been adopted by the City of Columbia or Richland County.

PROPOSED ZONING DISTRICT SUMMARY

The parcel is currently zoned Planned Development District (PDD) by Richland County for TMS# 28900-01-11(p) and Single Family Residential-Medium Density District (RS-MD) for TMS# 28900-01-30. Surrounding parcels within the City of Columbia are currently Planned Unit Development-Residential District (PUD-R).

The proposed City of Columbia zoning district is Planned Unit Development-Residential District (PUD-R).

Planned Unit Development-Residential District (PUD-R)

(a). The intent of planned unit development districts is to derive the benefits of efficiency, economy and flexibility by encouraging unified development of large sites, while also obtaining the advantage of creative site design, improved appearance, compatibility of uses, optimum service by community facilities, and better functioning of vehicular access and circulation. It is the intent of this article to allow development of large sites subject to specific regulations concerning permitted uses, but only subject to regulations concerning lot area, building coverage, yard spaces and building height insofar as the city council shall deem appropriate to fulfill the intent of this article, upon presentation of certification from the owners, developers or other parties at interest in the development of such sites that they will adhere to development policies which will fulfill the intent of this article.

(b) Types of districts. Two types of districts accommodating primarily residential or nonresidential uses are created as follows:

- (1) PUD-R Planned Unit Development—Residential. The PUD-R district is intended to accommodate residential uses, with nonresidential uses integrated into the design of such districts as secondary uses.
- (2) PUD-C Planned Unit Development—Commercial. The PUD-C district is intended to accommodate primarily nonresidential uses, with residential uses integrated into the design of such districts as secondary uses.

(c) The types of residential dwelling units and the types of nonresidential uses allowed to be established in such districts increase with increasing site size of such districts, based upon the premise that increased site size will allow proper design, including functional interrelations, buffer treatments separating uses with potentially incompatible characteristics of use, design of access patterns, and relationships of uses within such planned unit developments with uses in adjacent districts. It is the intent of this article that such design and planning features be incorporated properly into any PUD district hereafter created, and that the planning commission and city

council shall consider the existence and appropriateness of such features before any amendment to the zoning map is adopted to create such district.

STAFF RECOMMENDATION

Staff recommends City Council annex the property, adopt an ordinance assigning of Urban Edge Residential-Small Lot (UER-1) land use classification and assign PUD-R zoning at the time of annexation.



Future Land Use Map

Department of Planning & Development Services

29.25 acres N/S Riding Grove Road (p); TMS# 28900-01-11(p) and 28900-01-12(p)
Existing Richland FLU: Neighborhood (Medium Density); Proposed FLU: UER-1

14.a

Legend

CITY LIMITS
PARCELS

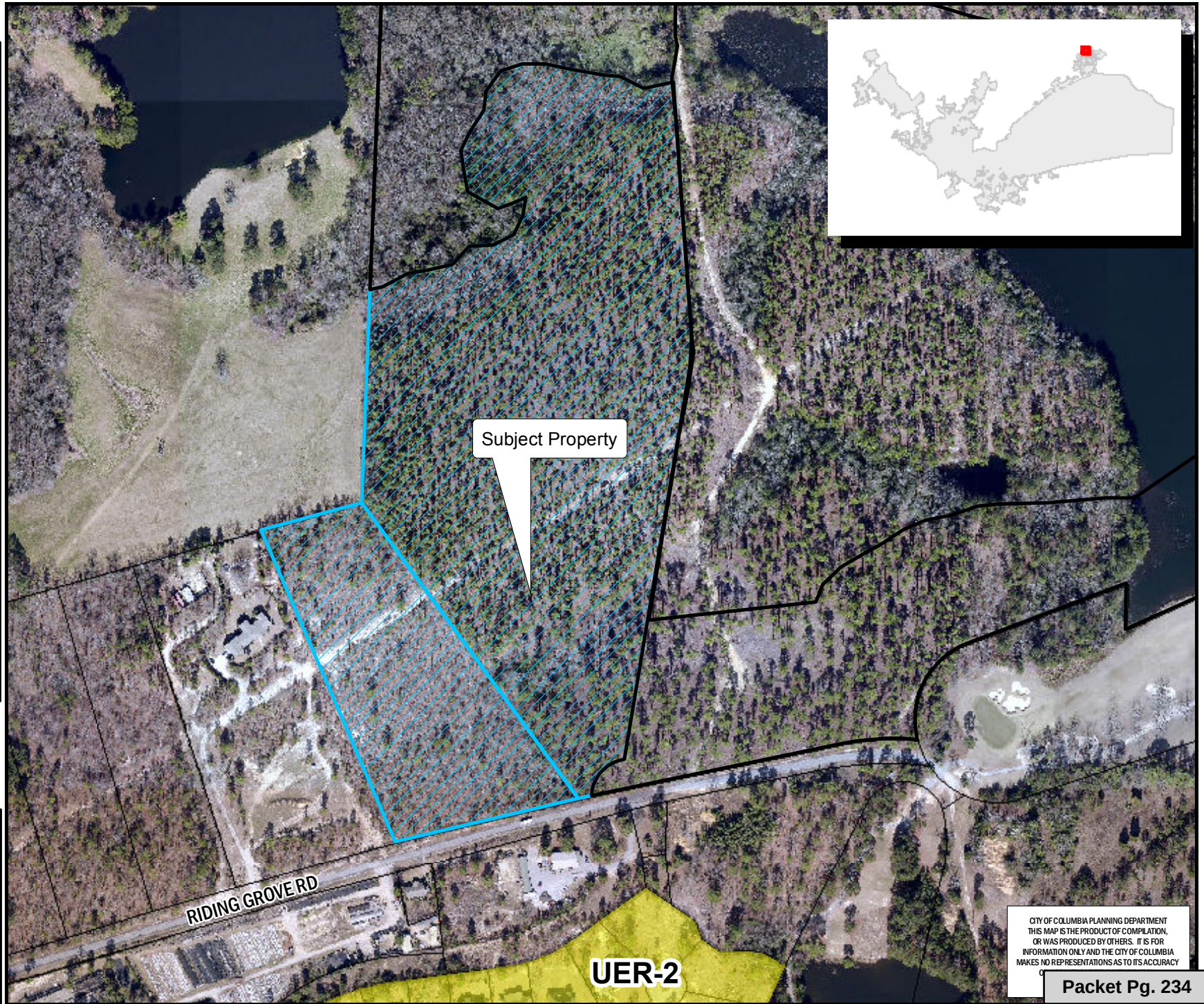
- UCMR-1 - Urban Core Mixed Residential-1
- UCMR-2 - Urban Core Mixed Residential-2
- UEMR - Urban Edge Mixed Residential
- UEMF - Urban Edge Multi-Family
- UCR-1 - Urban Core Residential Small Lot
- UCR-2 - Urban Core Residential Large Lot
- UER-1 - Urban Edge Residential Small Lot
- UER-2 - Urban Edge Residential Large Lot
- UCAC-1 - Urban Core Neighborhood Activity Center
- UCAC-2 - Urban Core Community Activity Center
- UEAC-1 - Urban Edge Community Activity Center
- UCAC-3 - Urban Core Regional Activity Center
- UEAC-2 - Urban Edge Regional Activity Center
- AC-1 - Neighborhood Activity Corridor
- AC-2 - Community Activity Corridor
- AC-3 - Regional Activity Corridor
- EC - Employment Campus
- IND - Industrial
- TU - Transportation & Utilities
- SD-1 - Sports/Amusement District
- SD-2 - Civic/Institutional Districts
- SD-3 - Central Business District
- SD-4 - Riverbanks Zoo and Garden
- SD-5 - Universities/Colleges
- SD-6 - Fort Jackson

0 75 150 300 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
March 17, 2017



We Are Columbia



CITY OF COLUMBIA PLANNING DEPARTMENT
THIS MAP IS THE PRODUCT OF COMPILED
OR WAS PRODUCED BY OTHERS. IT IS FOR
INFORMATION ONLY AND THE CITY OF COLUMBIA
MAKES NO REPRESENTATIONS AS TO ITS ACCURACY

Packet Pg. 234

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

29.25 acres N/S Riding Grove Road (p); TMS# 28900-01-11(p) and 28900-01-30;
Existing Zoning: PDD for TMS# 28900-01-11(p) and RS-MD for TMS# 28900-01-30; Proposed Zoning: PUD-R

14.a

Department of Planning &
Development Services

Legend

 CITY LIMITS
 PARCELS

 D-1	 C-1
 RS-1	 C-2
 RS-1A	 C-3
 RS-1B	 C-3A
 RS-2	 C-4
 RS-3	 C-5
 RD	 M-1
 RD-2	 M-2
 RG-1	 PUD-C
 RG-1A	 PUD-LS
 RG-2	 PUD-LS-E
 RG-3	 PUD-LS-R
 UTD	 PUD-R
 MX-1	 OUT OF CITY
 MX-2	



0 100 200 400
Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

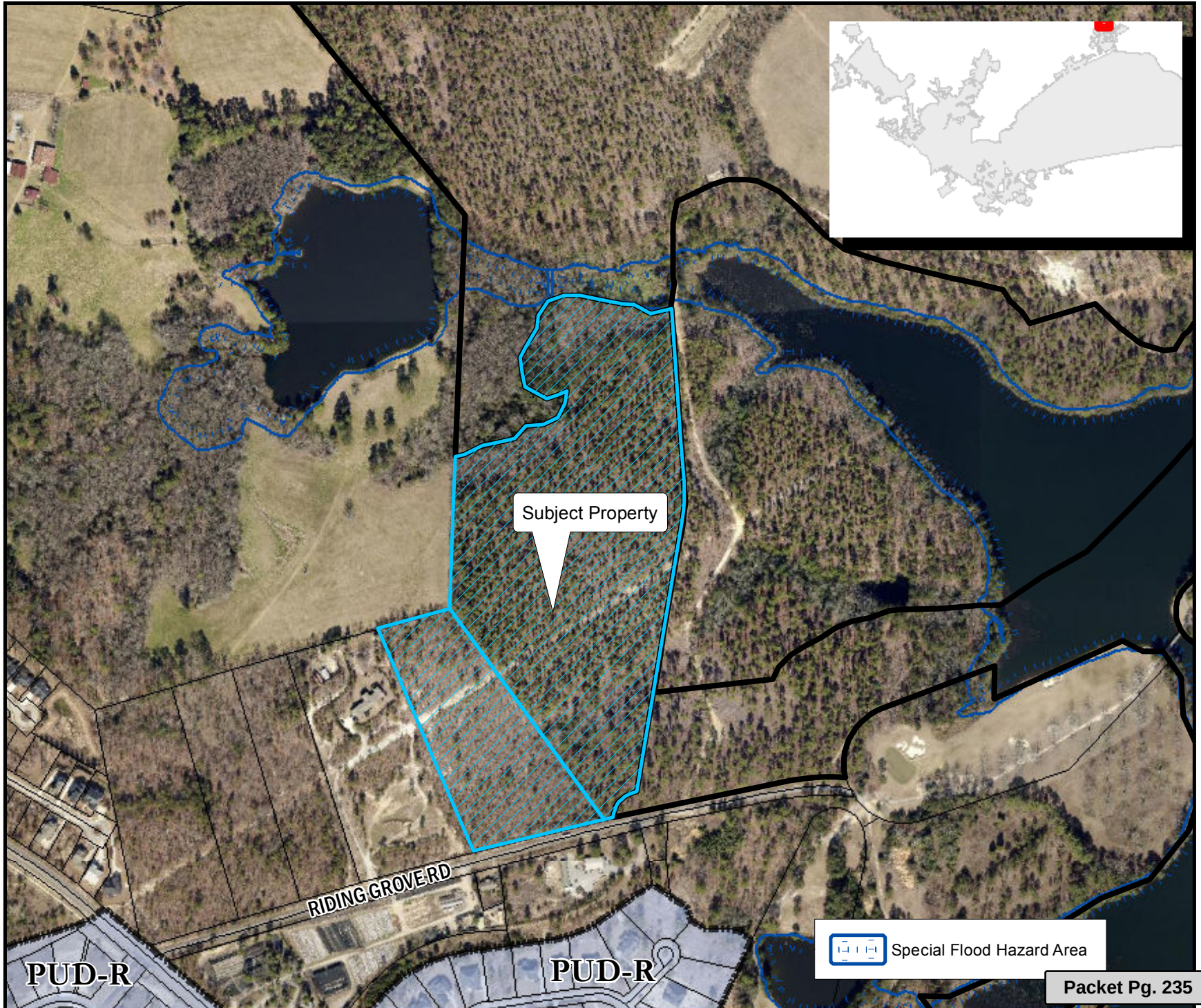
Shane Shaughnessy
March 17, 2017

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We Are Columbia



Special Flood Hazard Area

Packet Pg. 235

ORDINANCE NO.: 2017-039

Annexing and Incorporating 29.25 acres N/S Riding Grove Road, Richland County TMS #28900-01-11(p) and 28900-01-30 into the Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015

WHEREAS, a proper petition has been filed with the City Council by one hundred (100%) percent of the property owners of the within described property under the provisions of South Carolina Ann. Sec. 5-3-150; and,

WHEREAS, it appears to City Council that the annexation of the property would be in the best interest of the property owners and the City of Columbia; and,

WHEREAS, City Council adopted the City of Columbia Comprehensive Plan 2018 by Ordinance No.: 2008-085 on October 1, 2008, and amended from time to time, in accordance with South Carolina Comprehensive Planning Act of 1994 (Title 6, Chapter 29 of the SC Code) and heard public comments on this amendment; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017, that the property described herein is hereby annexed to, incorporated into Plan Columbia Land Use Plan Putting the Pieces Together adopted by Ordinance No.: 2015-014 on February 17, 2015, and becomes a part of the City of Columbia effective immediately. This property shall be zoned Planned Unit Development-Residential (PUD-R), apportioned to City Council District 4, Census Tract 114.07, contains 29.25 acres, and shall be assigned a land use classification Urban Edge Residential-Small Lot (UER-1).

PROPERTY DESCRIPTION: See Attached Exhibit "A"

Richland County TMS NO.: 28900-01-11(p) and 28900-01-30

Also included in the territory hereby annexed are all contiguous portions of all public rights of way, streets and highways.

Requested by:

Assistant City Manager Gentry

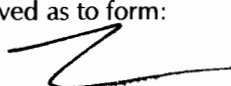
Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:

EXHIBIT "A"
PROPERTY DESCRIPTION
ORDINANCE NO.: 2017-039

All that certain piece, parcel or lot of land, with improvements thereon, if any, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being delineated as Parcel 1, containing 22.24 acres, more or less, on a plat prepared for Woodcreek Development LLC by Belter & Associates, Inc. dated November 23, 2016, and recorded in the Office of the Register of Deeds for Richland County in Record Book 2178 at page 283. Reference being made to said plat for a more complete and accurate description. All measurements being a little more or less.

Together with:

All that certain piece, parcel or tract of land, together with improvements thereon, if any, situate, lying and being in the County of Richland, State of South Carolina, and being shown and delineated as Parcel D, containing 7.01 acres, more or less, on a plat prepared for Woodcreek Development, LLC by Belter & Associates, Inc., dated November 23, 2016, and recorded in the Office of the Register of Deeds for Richland County in Record Book 2178 at page 283. Reference being made to said plat for a more complete and accurate description. All measurements being a little more or less.

MEMORANDUM

Office of the City Manager

TO: Department Heads

FROM: Teresa Wilson, City Manager

DATE: March 23, 2017

RE: **Property Address:** 29.25 acres, N/S Riding Grove Road
Richland County TMS#: 28900-01-11 (portion), 28900-01-30
Owner(s): ARBO Woodcreek LLC
Current Use: Vacant land
Proposed Use: Single-family residential subdivision
Current County Land Use: Neighborhood (Medium Density)
Proposed City Land Use: Urban Edge Residential – Small Lot (UER-1)
Current County Zoning: PDD (Planned Development District) and RS-MD (Single Family –Medium Density)
Proposed City Zoning: PUD-R (Planned Unit Development - Residential)
Reason for Annexation: Municipal Services/Secondary and Long Range
City Council District: 4
Census Tract: 114.07

The Planning & Development Services advises that the above referenced property has been offered for annexation. Attached, please find a map or drawing reflecting the property. You are directed to forward your comments and/or recommendations regarding the issue of whether to annex or not to Planning & Development Services. Planning & Development Services will compile your comments for City Council consideration.

Planning & Development Services staff will see to it that this matter is placed on the **April 3, 2016** Planning Commission's agenda. Planning & Development Services staff will notify the City Attorney of the Planning Commission's zoning recommendation by forwarding a copy of this form, completed, as soon as the Planning Commission has met.

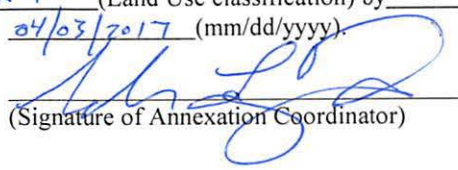
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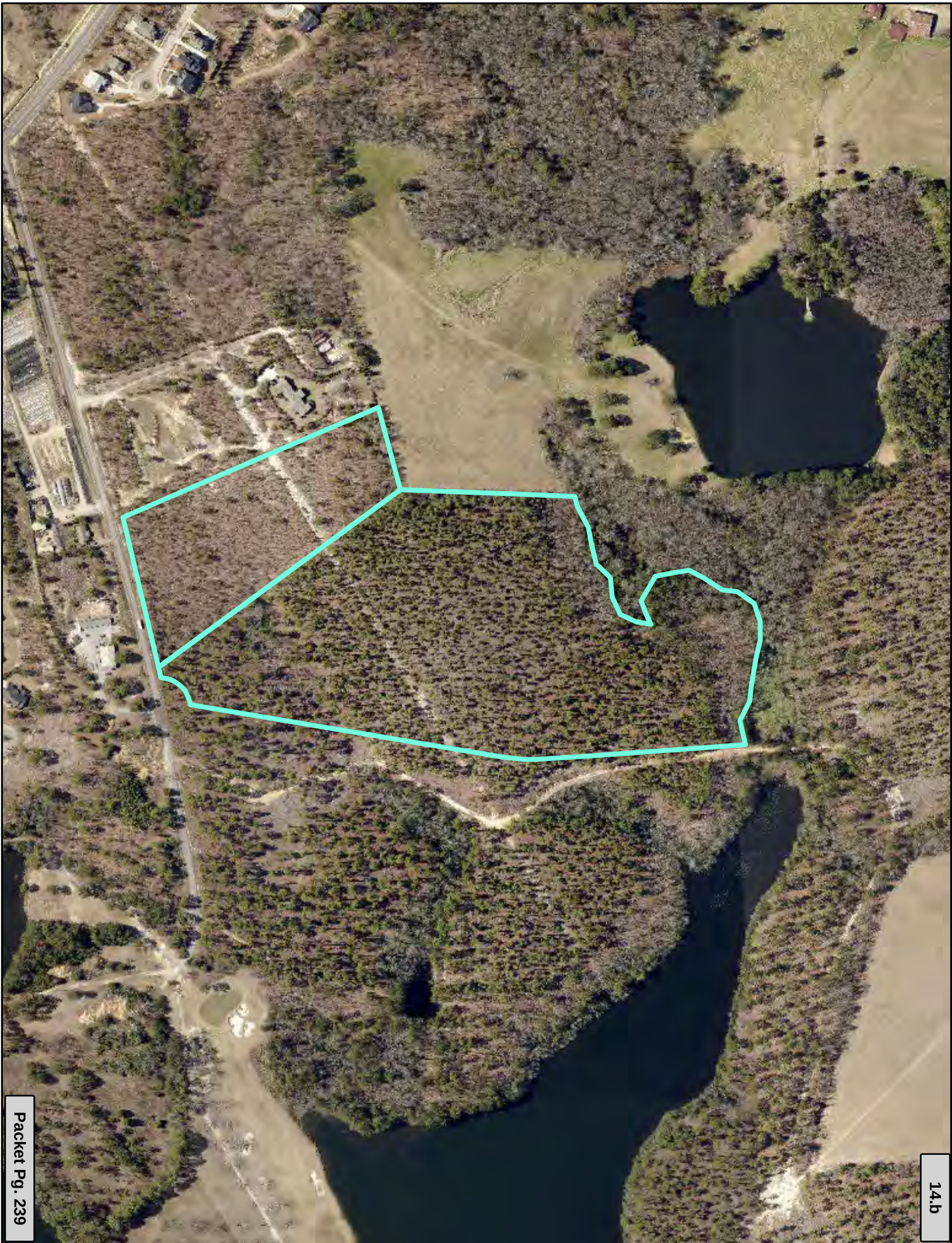
Attachments

cc: S. Allison Baker, Sr. Assistant City Manager William Holbrook, Police Chief Teresa Knox, City Attorney Dana Higgins, City Engineer Krista Hampton, Planning & Development Services Gloria Saeed, Community Development Director Roger Myers, Business License Administrator Angela Adams, Water Customer Service Jerry Thompson, Building Official Susan Leitner, Engineering Denny Daniels, Engineering Carolyn Wilson, Police Planning & Research Jan Alonso, Finance Director	Missy Gentry, Assistant City Manager Aubrey Jenkins, Fire Chief Joseph Jaco, Utilities and Engineering Robert Anderson, Public Works Director Jeff Palen, Assistant City Manager/CFO George Adams, Fire Marshal Brian Cook, Zoning Administrator Kimberly Gathers, Columbia-Richland 911 David Hatcher, Housing Official Richland County Solid Waste Collection John Fellows, Planning Administrator Zach Kay, Dev. Center Administrator Alfreda Tindall, Richland Co. 911 Addressing Coordinator
--	---

Planning Commission Zoning Recommendation: PUD-R (Zoning classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).

Planning Commission Land Use Recommendation: UER-1 (Land Use classification) by 7-0 on 04/03/2017 (mm/dd/yyyy).

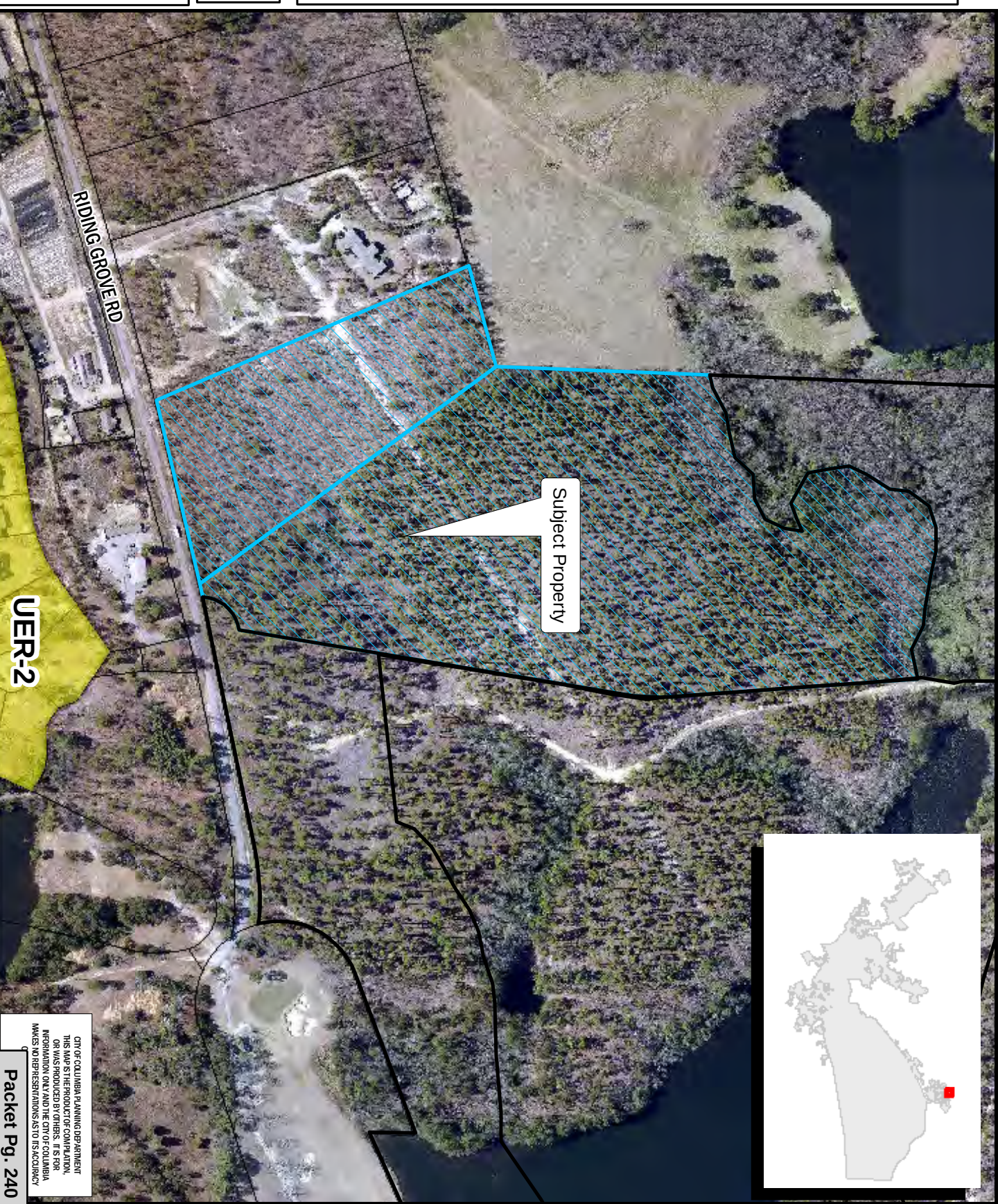

(Signature of Annexation Coordinator)



14.b

14.b

29.25 acres N/S Riding Grove Road (p); TMS# 28900-01-11(p) and 28900-01-12(p); Existing Richland FLU: Neighborhood (Medium Density); Proposed FLU: UER-1



Packet Pg. 240

DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

Department of Planning & Development Services

29.25 acres N/S Riding Grove Road (p); TMS# 28900-01-11(p) and 28900-01-30;
Existing Zoning: PDD for TMS# 28900-01-11(p) and RS-MD for TMS# 28900-01-30; Proposed Zoning: PUD-R

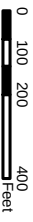
Legend

 CITY LIMITS

 PARCELS

 D-1	 C-1
 RS-1	 C-2
 RS-1A	 C-3
 RS-1B	 C-3A
 RS-2	 C-4
 RS-3	 C-5
 RD	 M-1
 RD-2	 M-2
 RG-1	 PUD-C
 RG-1A	 PUD-L-S
 RG-2	 PUD-L-S-E
 RG-3	 PUD-L-S-R
 UTD	 PUD-R
 MX-1	 OUT OF CITY
 MX-2	



 0 100 200 400 Feet

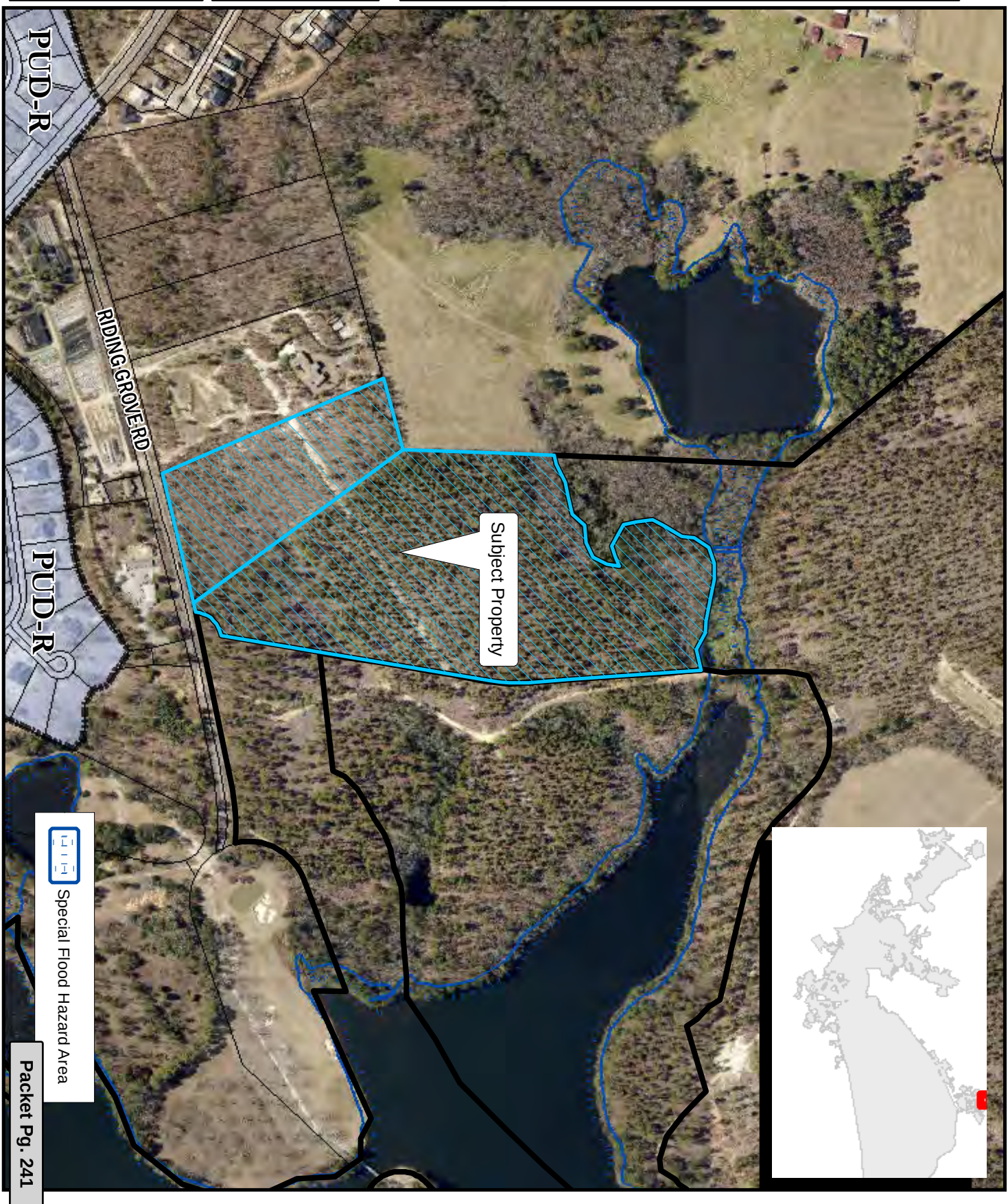
ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
March 17, 2017

DISCLAIMER:
The City of Columbia Department of Planning and Development Services data represented on this map or plan is the product of compilation, as produced by others. It is provided for informational purposes only and the City of Columbia makes no representation as to its accuracy. Its use without field verification is at the sole risk of the user.



CITY OF COLUMBIA, S.C.
VERITAS VIRTUTIS REGINA

We Are Columbia



 Special Flood Hazard Area

STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

The undersigned, being the owner(s) of the property described below hereby petition(s) the Mayor and City Council for annexation to the City of Columbia, South Carolina pursuant to S.C. Code Ann. Section 5-3-150, 1976, as amended.

Property Description: All that certain piece, parcel, or tract of land, together with improvements thereon, if any, being situate in the County of Richland, State of South Carolina, and being delineated as Parcel 1, containing 22.24 acres, more or less, on a plat prepared for Woodcreek Development LLC, by Belter & Associates, Inc., dated November 23, 2016, and recorded in the office of the Register of Deeds for Richland County in Record Book 2178 at page 283. Reference being made to said plat for a more complete and accurate description. All measurements being a little more or less.

Together with:

All that certain piece, parcel or tract of land, together with improvements thereon, if any, situate, lying and being in the County of Richland, State of South Carolina, and being shown and delineated as Parcel D, containing 7.01 acres, more or less, on a plat prepared for Woodcreek Development, LLC, by Belter & Associates, Inc., dated November 23, 2016, and recorded in the office of the Register of Deeds for Richland County in Record Book 2178 at page 283. Reference being made to said plat for a more complete and accurate description. All measurements being a little more or less.

Richland County TMS: 028900-01-11 (portion), 28900-01-30

Property Address: 29.25 acres, N/S Riding Grove Road

ARBO Woodcreek LLC

BY: Angus C Rogers
ANGUS ROGERS
 (Print or Type Name)

Date: 21 MAR 2017

Its: MANAGER
 (Print or Type Title)



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-046 - Granting an encroachment to the University of South Carolina for the use of the right of way area of the 800 block of Sumter Street and 1300 block of Greene Street for installation and maintenance of curbing, guttering, landscaping, paving, bicycle lanes, irrigation and a raised median, adjacent to the School of Journalism at 800 Sumter Street and Preston College at 1323 Greene Street, Richland County TMS #11304-05-01 and 11303-05-01A

FINANCIAL IMPACT:

STRATEGIC GOALS: Collaborate and partner with entities, Connect the City's neighborhoods and business dist, Foster a healthy quality of life

ATTACHMENTS:

- **#a:** 2017-046 encroach USC School of Journalism & Preston College (PDF)

ORDINANCE NO. : 2017-046

Granting an encroachment to the University of South Carolina for the use of the right of way area of the 800 block of Sumter Street and 1300 block of Greene Street for installation and maintenance of curbing, guttering, landscaping, paving, bicycle lanes, irrigation and a raised median, adjacent to the School of Journalism at 800 Sumter Street and Preston College at 1323 Greene Street, Richland County TMS #11304-05-01 and 11303-05-01A

WHEREAS, the University of South Carolina (hereinafter "Grantee") desires to use a portion of the right of way areas of the Granting an encroachment to the University of South Carolina for the use of the right of way area of the 800 block of Sumter Street and 1300 block of Greene Street for installation and maintenance of curbing, guttering, landscaping, paving, bicycle lanes, irrigation, a raised median approximately (12') twelve feet in width (77') seventy-seven feet in length, concrete and brick paver crosswalk varying in width approximately (28') twenty-eight feet and (12') twelve feet approximately (80') eight feet in length, adjacent to the School of Journalism at 800 Sumter Street and Preston College at 1323 Greene Street, Richland County TMS #11304-05-01 and 11303-05-01A; as shown on the attached drawings; and,

WHEREAS, it appears that the encroachment will not interfere with the use of the medians or street for traffic, utility locations or other uses within the foreseeable future; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017, that Grantee is hereby granted the right to use the right of way areas of the Granting an encroachment to the University of South Carolina for the use of the right of way area of the 800 block of Sumter Street and 1300 block of Greene Street for installation and maintenance of curbing, guttering, landscaping, paving, bicycle lanes, irrigation, a raised median approximately (12') twelve feet in width (77') seventy-seven feet in length, concrete and brick paver crosswalk varying in width approximately (28') twenty-eight feet and (12') twelve feet approximately (80') eight feet in length, adjacent to the School of Journalism at 800 Sumter Street and Preston College at 1323 Greene Street, Richland County TMS #11304-05-01 and 11303-05-01A, as shown on the attached drawings.

ALL WORK SHALL COMPLY with the requirements of The City of Columbia, South Carolina Department of Transportation and Federal Emergency Management Agency (FEMA) now in existence or hereafter enacted. The materials and type of finish to be used are to be approved by the City Engineer prior to installation. Any damage to the street or sidewalk caused by construction shall be repaired to the satisfaction of the City Manager. Improvements within the encroachment shall be maintained by the grantee at no cost to the City in a manner approved by the City Manager.

PROVIDED FURTHER that the privilege granted hereby is subject to the Grantee complying with the following conditions, restrictions or limitations:

1. No item, including landscaping, shall be placed, planted or allowed to grow such that it creates a visual impediment to persons safely entering or exiting driveways or parking spaces, or to persons safely walking along the sidewalk. The City reserves the right to remove or cut any item located within the right of way which it deems to be a safety hazard.

2. Grantee is responsible for all maintenance of items approved by this ordinance for placement within the right of way area and assuring that all accessibility and ADA requirements are met and maintained.

3. All trees shall be protected and no large tree roots shall be removed from any existing trees, nor shall trees be located too close to streetlights.

4. Irrigation must be designed to avoid spraying walkways, sidewalks and streets and/or creating hazardous conditions upon the walkways, sidewalks and streets.

5. Dashed lines to be added to delineate the continuation of the bicycle lane to the cycle track.

PROVIDED FURTHER that the privilege granted hereby may be modified or terminated by Columbia City Council at any time without notice to the Grantee, its successors and assigns.

BE IT FURTHER ORDAINED that Grantee, in consideration of the above privilege, shall at its expense provide for protection and relocation of all utilities that might be within this area to the satisfaction of the City Manager.

Requested by:

Assistant City Manager Gentry

Mayor

Approved by:

City Manager

Approved as to form:

Janne J. Lisowski
Senior Assistant City Attorney

ATTEST:

City Clerk

Introduced:

Final Reading:

**CITY COUNCIL
ENCROACHMENT SUMMARY
2017-046**



**800 BLOCK OF SUMTER STREET AND 1300 BLOCK OF GREENE STREET
BICYCLE LANES, PAVERS, MEDIAN AND LANDSCAPING
ROADWAY IMPROVEMENTS
UNIVERSITY OF SOUTH CAROLINA**

Subject Property:	Right-of-way adjacent to 800 block of Sumter Street and 1300 block of Greene Street adjacent to the School of Journalism at 800 Sumter Street and Preston College at 1323 Greene Street, Richland County TMS #11304-05-01 and 11303-05-01A
Council District:	3
Proposal:	Installation and maintenance of curbing, guttering, landscaping, paving, bicycle lanes, irrigation and a raised median.
Applicant:	University of South Carolina
Staff Recommendation:	Approval

Detail:	The applicant is requesting to an encroachment for the installation and maintenance of curbing, guttering, landscaping, paving, bicycle lanes, irrigation, a raised median approximately (12') twelve feet in width (77') seventy-seven feet in length, concrete and brick paver crosswalk varying in width approximately (28') twenty-eight feet and (12') twelve feet approximately (80') eight feet in length, adjacent to the School of Journalism at 800 Sumter Street and Preston College at 1323 Greene Street, as shown on the attached drawings. Conditions of the proposed encroachment are as follows: 1. No item, including landscaping, shall be placed, planted or allowed to grow such that it creates a visual impediment to persons safely entering or exiting driveways or parking spaces, or to persons safely walking along the sidewalk. The City reserves the right to remove or cut any item located within the right of way which it deems to be a safety hazard. 2. Grantee is responsible for all maintenance of items approved by this ordinance for placement within the right of way area and assuring that all accessibility and ADA requirements are met and maintained. 3. All trees shall be protected and no large tree roots shall be removed from any existing trees, nor shall trees be located too close to streetlights. 4. Irrigation must be designed to avoid spraying walkways, sidewalks and streets and/or creating hazardous conditions upon the walkways, sidewalks and streets. 5. Dashed lines to be added to delineate the continuation of the bicycle lane to the cycle track.
----------------	---

CITY AGENCY COMMENTS FOR ENCROACHMENT	
Planning & Development Services	Recommend approval.

Streets	Recommend approval.
Utilities and Engineering	Recommend approval.
Traffic Engineering	Recommend approval.
Forestry	Recommend approval.
Land Development	Recommend approval.
Fire	Recommend approval.

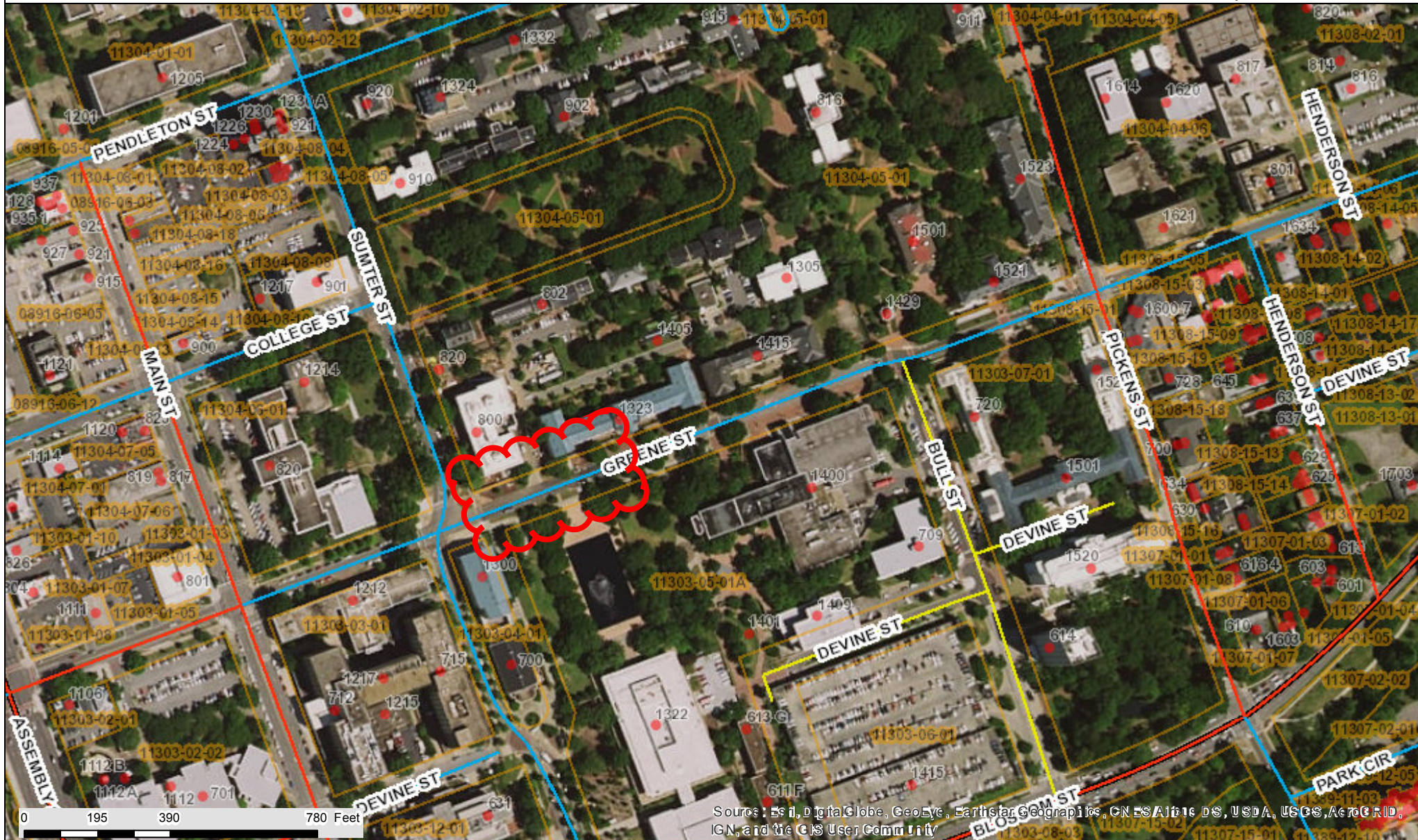
City of Columbia

USC Sumter and Green St. Pedestrian Improvements

15.a



Thursday, June 01, 2017



CITY OF COLUMBIA GIS DATA DISCLAIMER

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Packet Pg. 249

**REQUEST FOR A PERMANENT COMMERCIAL ENCROACHMENT ORDINANCE
(INCLUDING OUTDOOR DINING/LANDSCAPING/STUDENT HOUSING)**

For a continuing encroachment on any type of property in which the City has an interest (i.e., rights of way, tree zone, sidewalk, streets), the person or entity is required to have an encroachment ordinance enacted by City Council permitting the encroachment. Encroachment ordinances are required for but not limited to: irrigation systems; landscaping; fencing; walls; pavers; walkways; outdoor dining items (chairs, tables, umbrellas, etc.); awnings; bollards and directional signs (i.e., churches) Business signs are NOT permitted via an encroachment. Encroachments must comply with all existing City codes, rules and regulations, the Americans with Disabilities Act, if applicable, and are subject to review and approval by City staff. Enactment of the encroachment ordinance by a majority vote of City Council, which is a discretionary legislative act, is also required. ~~In order to obtain an encroachment ordinance from the City of Columbia, it will be necessary for the City of Columbia to be named as an additional insured on your insurance policy with limits being increased to \$600,000 as required by Sec. 11-71.~~ It is recommended that you contact your insurance provider to determine if it will name the City of Columbia as an additional insured prior to submitting your request for an encroachment ordinance. If you have any questions concerning these requirements, please contact Chip Timmons with Risk Management, (803) 733-8306 or catimmons@columbiasc.net.

Please complete and submit this form along with photographs and drawings or site plan drawn to scale (including a 8-1/2 x11) to Johnathan Chambers by e-mail at jechambers@columbiasc.net; fax at 803-343-8779; or mail to Johnathan Chambers, Development Services, POB 147 Columbia, SC 29217, for preparation of an encroachment ordinance. Copies to City departments should be directed to the contact person for that department as shown below.

All work shall comply with the requirements of the City of Columbia and South Carolina Department of Transportation now in existence or hereafter enacted. The materials and type of finish to be used are to be approved by the City Engineer prior to installation. Any damage to the street or sidewalk caused by construction shall be repaired to the satisfaction of the City Manager. Improvements within the encroachment shall be maintained by the grantee at no cost to the City in a manner approved by the City Manager. Property owned, operated and maintained by SCDOT shall comply with SCDOT encroachment requirements.

Date: June 20, 2016 Property Owner: University of South Carolina
Applicant's Name if different from Property Owner: Emily Jones
Contact Information: Telephone Number: 777-7592 Fax Number: _____
Mailing address: 743 Greene Street Columbia SC 29208 E-mail address: efjones@fmc.sc.edu
Business Name/Development Name for Encroachment: _____

Encroachment type: ☒ Wall ☐ Fence ☐ Columns ☐ Steps ☒ Irrigation System ☒ Landscaping ☒ Driveway ☒ Pavers ☒ Sidewalk/Walkway
☒ Planters ☐ Awning ☒ Underground Utilities Other: _____

Dimensions (height/width/length): See attached site plan for dimensions
(i.e. 6'x42' wooden privacy fence;
two 12'x4'x3' concrete steps)

Construction material: Concrete, asphalt, brick pavers

☐ **OUTDOOR DINING:** The Fire Marshal's posted capacity allowed within the business at the time of enactment of the outdoor dining encroachment ordinance shall include the total number of patron seating approved for the outdoor dining encroachment area, if not already included in the posted capacity allowance, so that patrons relocating from inside to the outside or from outside to the inside do not cause the posted capacity to be exceeded.

Hours/days of operation for outdoor dining: _____
Posted Maximum Capacity Allowance (inside/outside combined): _____ No. of chairs outdoors: _____ No. of Tables Outdoors: _____
Do you serve: ☐ Wine ☐ Beer ☐ Liquor SCDOR ABL No.: _____ If not, do you intend to apply for an ABL license? _____

I acknowledge that the adjoining property owners and businesses have been contacted and approve the addition of outdoor dining at this location to include the service of beer, wine and/or liquor if applicable during the business hours noted above, and that any changes made to the business hours, use of the encroachment area or items allowed within the encroachment area will require an amendment to the encroachment ordinance.

Name/Title: _____
Date: _____

I acknowledge that any changes made to the business, hours, use of the encroachment area, or items allowed within the encroachment area, to include obtaining a license to sell beer, wine and/or liquor will require an amendment to the encroachment ordinance.

Amy E. Stone
Name/Title: _____
Date: 6-23-16 **AMY E. STONE**
SECRETARY, UNIVERSITY OF S.C.

The proposed ordinance will be sent to the requesting party and City offices for review and approval. Johnathan Chambers will compile the recommendations and forward them to the City Clerk for scheduling before City Council. This process may take from 30-90 days.

CONTACT

Johnathan Chambers
John Fellows
Brian Cook
Jerry Thompson
Fanessa Pinckney
Amy Moore
Robert Harkins
Denny Daniels
Robert Anderson
Robert Sweat
David Brewer
Ara Hollar
John Hooks
Chip Timmons
David Koon
John David Spade
R: 7/2014

DEPARTMENT

Development Services (Land Development)
Development Services (Planning)
Development Services (Zoning)
Development Services (Building Inspections)
Development Services (Permits)
Development Services (Historic Preservation)
Development Services (Plans Review)
Utilities & Engineering (Construction Management)
Public Works (Administration)
Public Works (Street Division)
Public Works (Traffic Engineering)
Public Works (Forestry & Beautification)
Public Works (Solid Waste)
Risk Management
Fire Department
Parking Services

PHONE

803-545-3333
803-545-3222
803-545-3332
803-545-3420
803-545-3420
803-545-3222
803-545-3420
803-545-3400
803-545-3780
803-545-3790
803-545-3850
803-545-3860
803-545-3800
803-733-8306
803-545-3701
803-545-3070

FAX

803-343-8779
803-733-8647
803-733-8647
803-733-8699
803-733-8699
803-733-8647
803-733-8647
803-988-8199
803-733-8648
803-545-3785
803-733-8648
803-733-8648
803-733-8648
803-733-8245
803-401-8839
803-733-8523

E-MAIL

jechambers@columbiasc.net
jsfellows@columbiasc.net
kbcook@columbiasc.net
jlthompson@columbiasc.net
fcpinckney@columbiasc.net
aemoore@columbiasc.net
rlharkins@columbiasc.net
jddaniels@columbiasc.net
raanderson@columbiasc.net
rgsweatt@columbiasc.net
ddbrewer@columbiasc.net
sehollar@columbiasc.net
jphooks@columbiasc.net
catimmons@columbiasc.net
cdgkoon@columbiasc.net
spade@columbiasc.net

USC Greene Street Pedestrian Improvements H27-6052



UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

OWNER:
USC FACILITIES
743 GREENE STREET
COLUMBIA, SC 29208
(803) 777-7592

CIVIL ENGINEER:
RB TODD & ASSOCIATES
7436 BROAD RIVER ROAD, STE. 212
IRMO, SC 29063
(803) 781-3141

LANDSCAPE ARCHITECT:
GRIMBALL COTTERILL
600 BELTLINE BOULEVARD
COLUMBIA, SC 29205
(803) 738-9525

ELECTRICAL ENGINEER:
GWA, INC.
168 LAURELHURST AVE.
COLUMBIA, SC 29210
(803) 252-6919

INDEX OF DRAWINGS

C1.1	EXISTING CONDITIONS & DEMOLITION PLAN
C2.1	STAKING PLAN
C3.1	GRADING PLAN
C4.1	SWPPP
C5.1	DETAILS
L-1	PLANTING PLAN
L-2	PLANTING DETAILS
L-3.1	SITE DETAILS
L-3.2	SITE DETAILS
I-1	IRRIGATION PLAN
I-2	IRRIGATION DETAILS
E001	ELECTRICAL NOTES, SCHEDULES, DETAILS
ES100	ELECTRICAL SITE DEMOLITION PLAN
ES101	ELECTRICAL SITE PLAN-NEW WORK

5/6/16 REV. 3/23/17

PLAN SET NO.

LEGEND (CIVIL)		
DEMOLITION	EXISTING	DESCRIPTION
N/A		RIGHT OF WAY
		CURB AND GUTTER
		BITUMINOUS SURFACE
		CONCRETE SURFACE
		BRICK PAVES
N/A		CONTOURS
N/A		SPOT GRADE ELEVATION
N/A		BUILDING
N/A		STORM DRAIN LINE w/STRUCTURE
N/A		SANITARY SEWER LINE w/MANHOLE
N/A		FIRE HYDRANT
N/A		WATER LINE
N/A		WATER VALVE
N/A		WATER METER
N/A		NATURAL GAS LINE
N/A		UNDERGROUND ELECTRIC
N/A		LIGHT POLE w/UNDERGROUND ELECTRIC
N/A		OVERHEAD ELECTRIC w/POLE
N/A		TELEPHONE LINE
N/A		TREE
N/A		FENCE
N/A		SIGN
N/A		NATURAL GAS LINE
N/A		STEAM
N/A		KEY NOTE

GENERAL NOTES

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY CHAO AND ASSOCIATES, INC. IN MARCH OF 2016. NO BOUNDARY OR TOPOGRAPHIC SURVEY WAS PERFORMED BY R.B. TODD CONSULTING ENGINEERS.
2. OWNER: UNIVERSITY OF SOUTH CAROLINA
OFFICE OF BUSINESS AFFAIRS
COLUMBIA, SC, 29208
PHONE NUMBER: 803-777-4674
CONTACT: EMILY JONES
EMAIL: EFJONES@FMC.SC.EDU
TMS: R11304-05-01
ZONING: C-1
DEVELOPMENT ADDRESS: E/S SUMTER STREET COLUMBIA, SC, 29208
TOTAL ACREAGE: 100+ ACRES
DISTURBED AREA: 0.22 ACRES
3. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45079C0094H, DATED FEBRUARY 20, 2002, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
5. THE CONTRACTOR SHALL NOTIFY PUPS AT 1-888-721-7877 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL UNDERGROUND UTILITIES LOCATED.

KEY NOTES

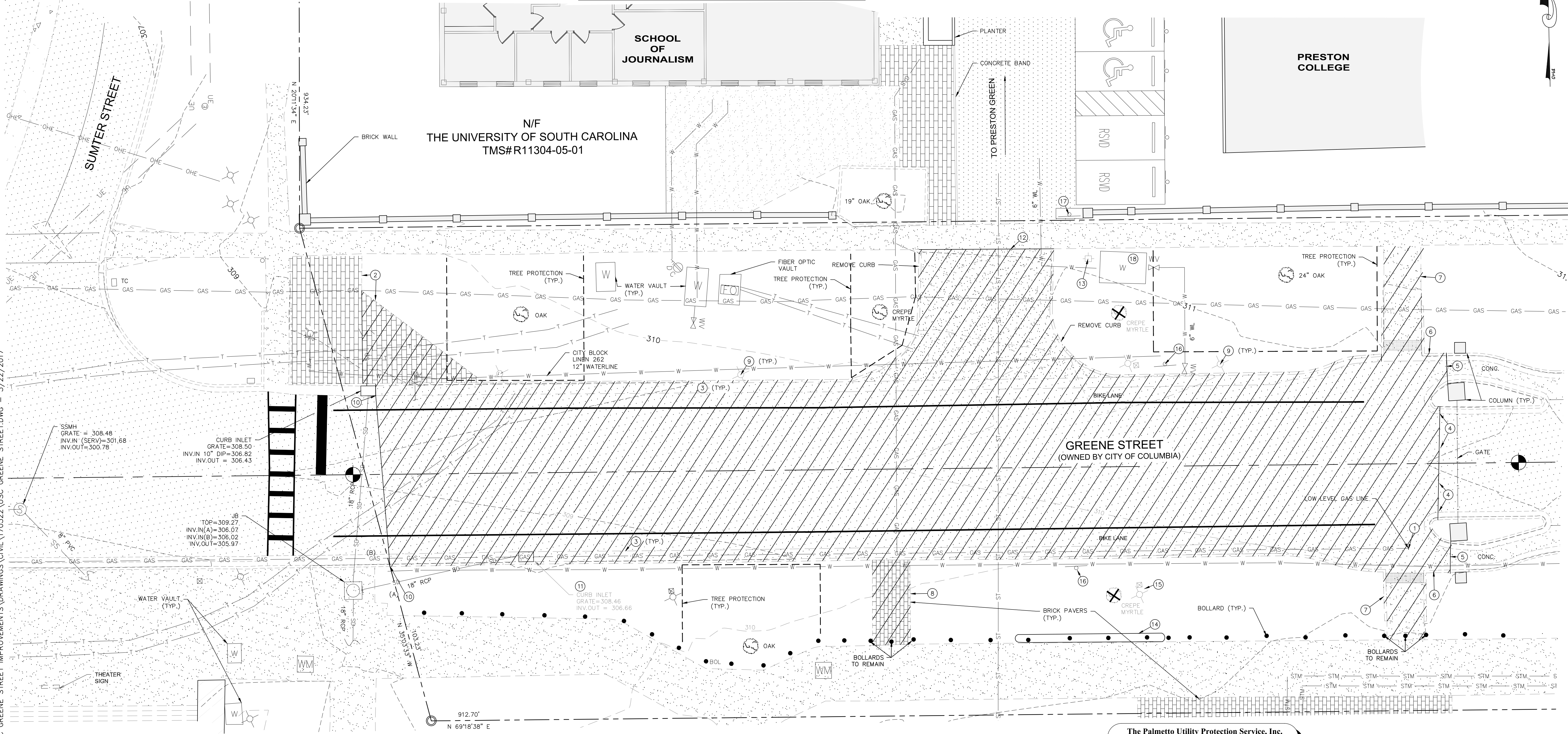
1. UTILITY LINE NOT LOCATED BY SURVEY BUT SHOWN ON USC MASTER UTILITY DRAWING.
2. REMOVE EXISTING PAVERS EAST OF PROJECTED EDGE OF PAVERS TO REMAIN.
3. EXISTING 24" CONCRETE GUTTER PAVED WITH ASPHALT.
4. SAWCUT EXISTING CURB AND GUTTER AT TANGENTS INDICATED AND CONTINUE SAWCUT THROUGH ASPHALT PAVEMENT. REMOVE PAVEMENT WEST OF SAWCUT.
5. SAWCUT AND REMOVE EXISTING CURB AND GUTTER AND CONCRETE BIKE LANE PAVEMENT STARTING AT PROJECTED WESTERN EDGE OF EXISTING COLUMN.
6. SAWCUT EXISTING CURB AND GUTTER AT PROJECTED END OF EXISTING CONCRETE BIKE PATH. COORDINATE WITH SHEET C2.1 FOR CONNECTION OF NEW CURB AND GUTTER.
7. REMOVE EXISTING SIDEWALK CONNECTORS AS INDICATED.
8. REMOVE EXISTING PAVERS AND INSTALL NEW LANDSCAPING. COORDINATE WITH LANDSCAPE PLANS.
9. RELOCATE EXISTING LIGHT POLES (4) TO NORTH SIDE OF NEW CURB. COORDINATE WITH ELECTRICAL PLANS.
10. SAWCUT EXISTING CURB AND GUTTER AND ASPHALT PAVEMENT FROM PROPERTY LINE ON SOUTH SIDE TO EASTERN SIDE OF EXISTING CURB INLET ON NORTHERN SIDE.
11. REMOVE EXISTING CURB INLET FRAME AND GRATE. CONVERT TOP TO MANHOLE FRAME AND LID. ADJUST LID ELEVATION TO MATCH NEW GRADES COORDINATE WITH SHEET C3.1.
12. REMOVE EXISTING CONCRETE DRIVE AT PROJECTED SOUTHERN EDGE OF EXISTING SIDEWALK AT LONGITUDINAL JOINT.
13. RELOCATE EMERGENCY CALL BOX. COORDINATE WITH ELECTRICAL PLANS AND USC.

KEY NOTES (CONT.)

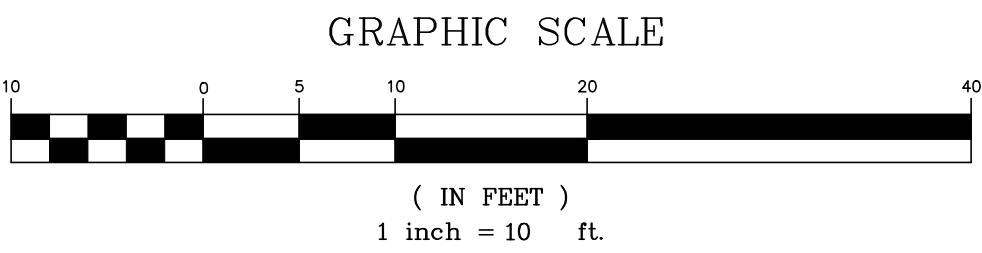
14. REMOVE EXISTING BOLLARDS (4) INDICATED AND ASSOCIATED CHAINS. DELIVERS BOLLARDS TO USC.
15. RELOCATE EXISTING LIGHT POLE EAST OF PROPOSED SIDEWALK IMPROVEMENTS. COORDINATE WITH SHEET C2.1 AND ELECTRICAL PLANS.
16. REMOVE EXISTING "NO PARKING" SIGNS AND STORE FOR RE-INSTALLATION.
17. EXISTING PARKING LOT SIGN. REMOVE SIGN AND RELOCATE CLOSE TO BRICK WALL. COORDINATE WITH USC.
18. REMOVE EXISTING METAL PLATE OVER METER PIT. ADJUST METER PIT WALL ELEVATIONS TO ACCOMMODATE NEW METER PIT TOP ELEVATION FLUSH WITH NEW PAVERS. SEE SHEET C2.1 AND C3.1.



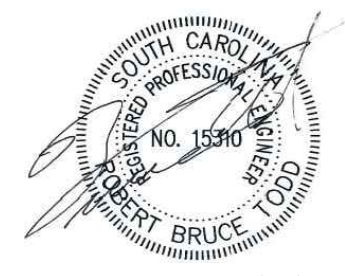
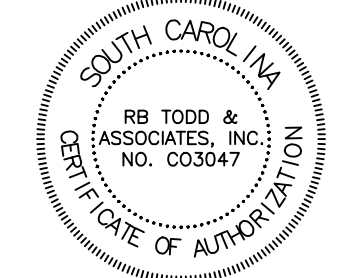
VICINITY MAP
SCALE: 1"=1000'



The Palmetto Utility Protection Service, Inc.
810 Dorch Square Blvd., Suite 200 Columbia, South Carolina 29204 (803) 976-1177
South Carolina 811
Call 811 Before you Dig
3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811
CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.



RBTODD
CONSULTING ENGINEERS
7408 Broad River Road, Suite 212
Irmo, S.C. 29063
Tel. 803.781.3141
Fax. 803.781.3142
www.rbtodd.com



5/6/16

GREENE STREET PEDESTRIAN IMPROVEMENTS
EXISTING CONDITIONS AND DEMOLITION PLAN

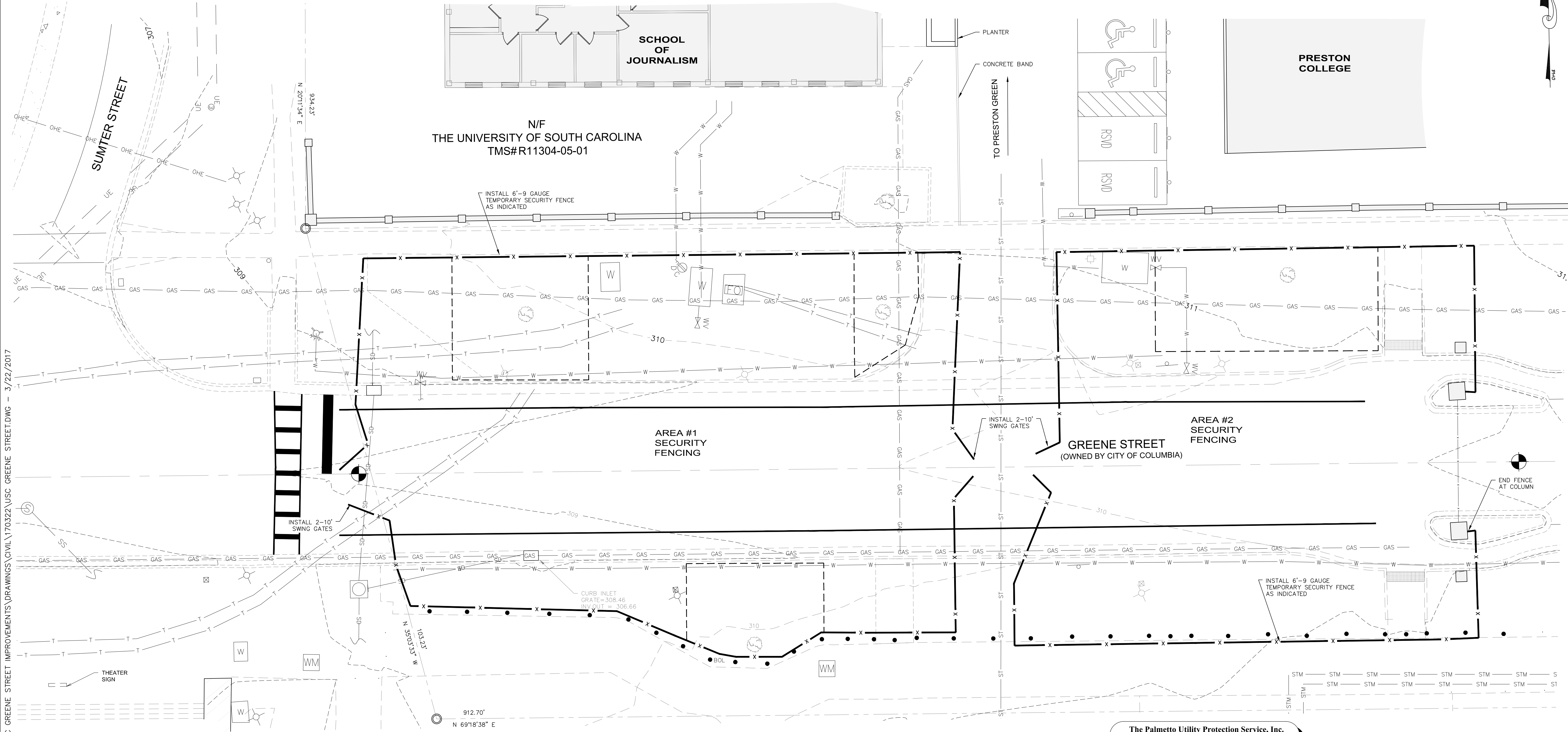
GRIMBALL
& ASSOCIATES
COTTERILL

LANDSCAPE ARCHITECTS & LAND PLANNERS
600 BELTLINE BOULEVARD COLUMBIA, SC 29205 (803) 788-9255

This drawing and the design thereon is the property of Grimball-Cotterill & Associates. The reproduction, copying or use of this drawing without consent is prohibited and any violation will be subject to legal action.

Drawn by:	TLC
Checked by:	RBT
Date:	3/23/17
Drawing No.	C1.1
Sheet No.	OF

S:\PROJECTS\15444 USC GREENE STREET IMPROVEMENTS\DRAWINGS\CIVIL\170322\USC GREENE STREET.DWG - 3/22/2017

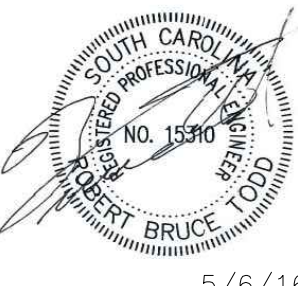


TRAFFIC CONTROL/SECURITY FENCE NOTES

1. INSTALL SECURITY FENCE AROUND AREA #1 AS INDICATED. COMPLETE DEMOLITION AND CONSTRUCTION (NO ASPHALT PAVING). ALLOW TRAFFIC FROM PRESTON GREEN TO FLOW EAST.
2. INSTALL SECURITY FENCE AROUND AREA #2 AS INDICATED. COMPLETE DEMOLITION AND CONSTRUCTION (NO ASPHALT PAVING). ALLOW TRAFFIC FROM PRESTON GREEN TO FLOW WEST.
3. PROVIDE ADEQUATE SIGNAGE TO DIRECT AND INFORM PEDESTRIAN TRAFFIC AT ALL TIMES.
4. PEDESTRIAN TRAFFIC SHALL BE PROTECTED BY A DIRECTION BARRICADE WHERE THE PEDESTRIAN WALKWAY EXTENDS INTO THE STREET. THE DIRECTIONAL BARRICADE SHALL BE OF SUFFICIENT SIZE AND CONSTRUCTION TO DIRECT VEHICULAR TRAFFIC AWAY FROM THE PEDESTRIAN PATH.
5. COMPLY WITH ALL CONSTRUCTION SAFEGUARD REQUIREMENT OF ICB 2012, CHAPTER 33, LOCAL AHJ, AND SC OSE FOR THE ENTIRE DURATION OF THE PROJECT.
6. AFTER CONSTRUCTION OF ALL ITEMS OTHER THAN ASPHALT PAVING, COORDINATE WITH EMILY JONES (777-4674) PRIOR TO REMOVING SECURITY FENCE AND PAVING.



Date	Revisions



5/6/16

GREENE STREET PEDESTRIAN IMPROVEMENTS
TRAFFIC CONTROL AND FENCING PLAN

GRIMBALL
& ASSOCIATES
COTTERILL

LANDSCAPE ARCHITECTS & LAND PLANNERS

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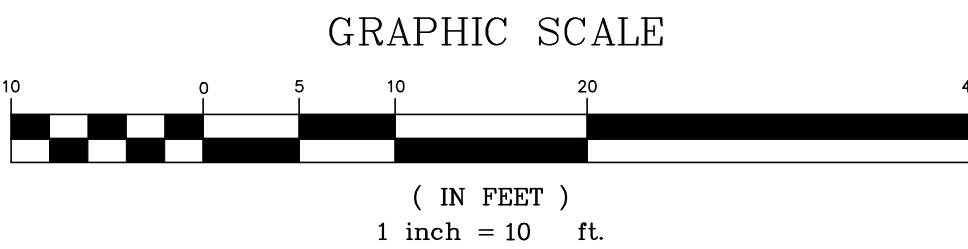
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Checked by:	RBT
Date:	3/23/17
Drawing No.	C1.2
Sheet No.	OF

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South Carolina 811
Call 811 Before you Dig

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811
CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.



LEGEND		
NEW	EXISTING	DESCRIPTION
N/A		BENCHMARK/CONTROL POINT
N/A		BUILDING
N/A		LIGHT POLE
		CURB AND GUTTER (BARRIER)
		CURB AND GUTTER (ROLL)
		CONCRETE PAVEMENT-HEAVY DUTY
		CONCRETE PAVEMENT-LIGHT DUTY
		BITUMINOUS SURFACE
N/A		TREE
①	N/A	KEY NOTE REFERENCE
N/A		BOLLARDS
		BIKE LANE STRIPING

Point Table			
Point #	Raw Description	Northing	Easting
1	RADIUS	787012.0301	1991105.0059
2	RADIUS	786981.9704	1991138.4932
3	RADIUS	787062.4202	1991181.7843
4	RADIUS	787024.7853	1991225.3905
5	RADIUS	787012.0922	1991136.1796
6	RADIUS	786937.0922	1991136.1491

GENERAL NOTES

- SEE SHEET C1.1 FOR ADDITIONAL GENERAL NOTES.
- ALL DIMENSIONS ARE MEASURED TO THE FACE OF CURB (BARRIER CURBS), FACE OF GUTTER (ROLL CURBS), CENTERLINE OF PAINT STRIPES, EDGE OF SIDEWALK OR EDGE OF PAVERS.

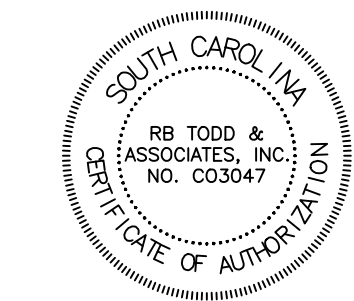
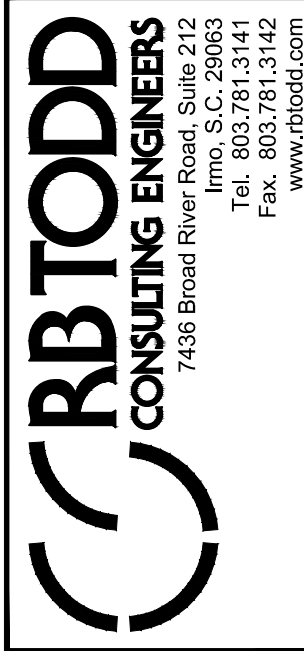
KEY NOTES

- CONNECT NEW CURB AND GUTTER TO END OF EXISTING. NOTCH EXISTING SECTION PROFILE.
- TAPER CURB FROM 6" (EAST) TO 0" (WEST). COORDINATE WITH SHEET C3.1.
- CONNECT NEW BIKE LANE STRIPING TO EXISTING.
- OFFSET BIKE PATCH STRIPING PARALLEL WITH CURB.
- TRANSITION FROM EXISTING 24" GUTTER TO NEW 18" GUTTER ALONG CURVE.
- CURB AND GUTTER SECTIONS WEST OF PAVERS ARE 24" (18" GUTTER). CURB AND GUTTER SECTIONS EAST OF PAVERS ARE 18" (12" GUTTER).
- TRANSITION NORTHWARD FROM ROLL CURB TO BARRIER CURB STARTING AT PROJECTED BIKE LANE PAVEMENT STRIP. TAPER CURB TO 0" FROM SOUTHERN END AT BIKE LINE (6") TO EDGE OF SIDEWALK ON NORTHERN END (0").
- DASHED STRIPES (2' LONG WITH 3' GAPS) AS INDICATED.
- RADIUS INDICATED IS APPROXIMATE. THE INTENT IS TO CURVE NEW CURB AND GUTTER AND CONNECT TO EXISTING CURB AND GUTTER AT TANGENT FOR SMOOTH REVERSE CURVE TRANSITION.
- INSTALL NEW PAVEMENT FLUSH WITH EXISTING.
- CONCRETE FOR BIKE LANES TO BE COLORED (GREY) TO MATCH EXISTING CONCRETE. SCORE AS INDICATED.
- INSTALL "NO PARKING" SIGN REMOVED UNDER DEMOLITION PHASE.
- END BIKE LANE STRIPING AT PROJECTED CENTER ISLAND CURB.
- MAKE DIRECT TRANSITION FROM BARRIER CURB TO ROLL CURB AT CORNER. SEE DETAIL.
- PAVE EXISTING UNPAVED AREA (10/C5.1).
- REMOVE AND REPLACE EXISTING METER PIT TOP. SEE SHEETS C1.1 AND C3.1.
- COLD JOINT. INSTALL SELF LEVELING SILICONE JOINT SEALANT 30 DAYS AFTER POUR.
- SEE LANDSCAPE ARCHITECTURAL PLANS FOR ALTERNATE PAVERS AT CROSSWALK.



VICINITY MAP

SCALE: 1"=1000'



5/6/16

GREENE STREET PEDESTRIAN IMPROVEMENTS
STAKING PLAN

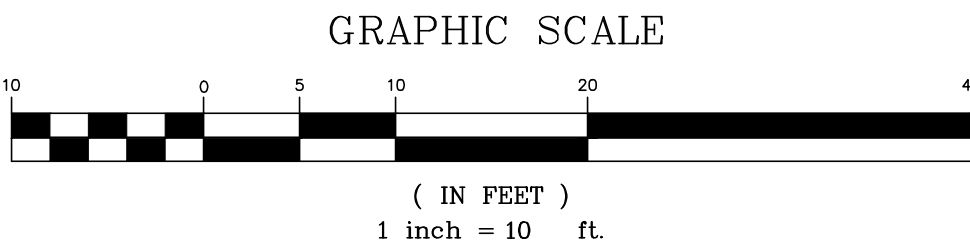
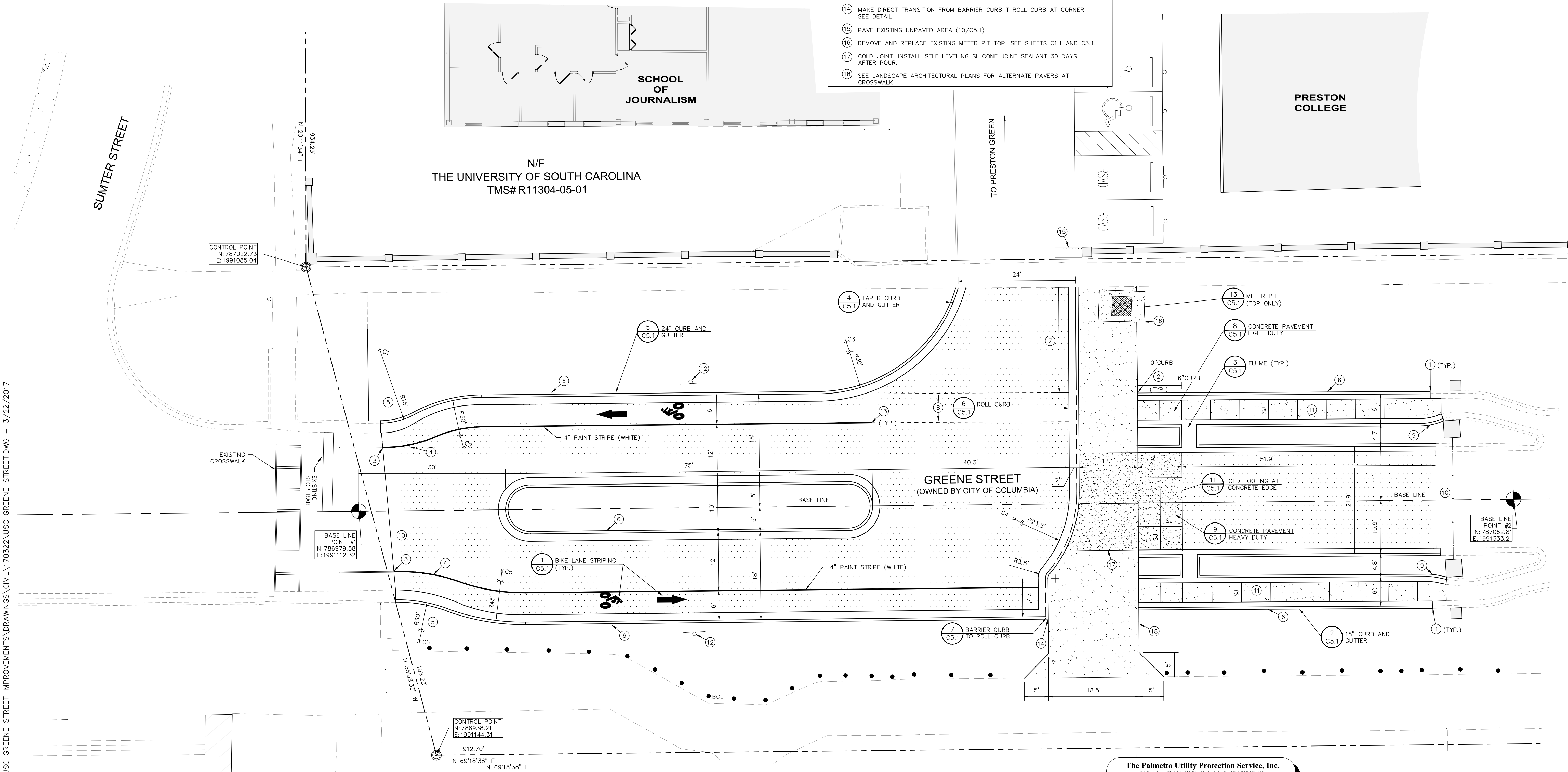
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LANDSCAPE ARCHITECTS & LAND PLANNERS

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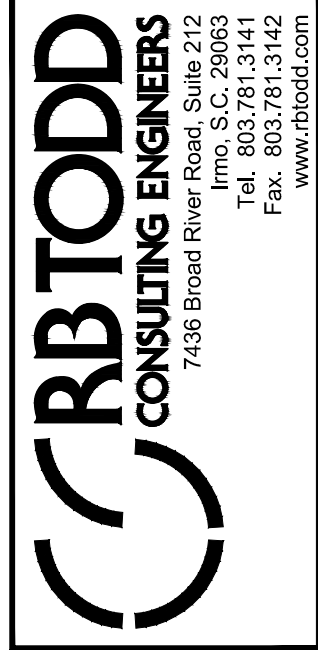
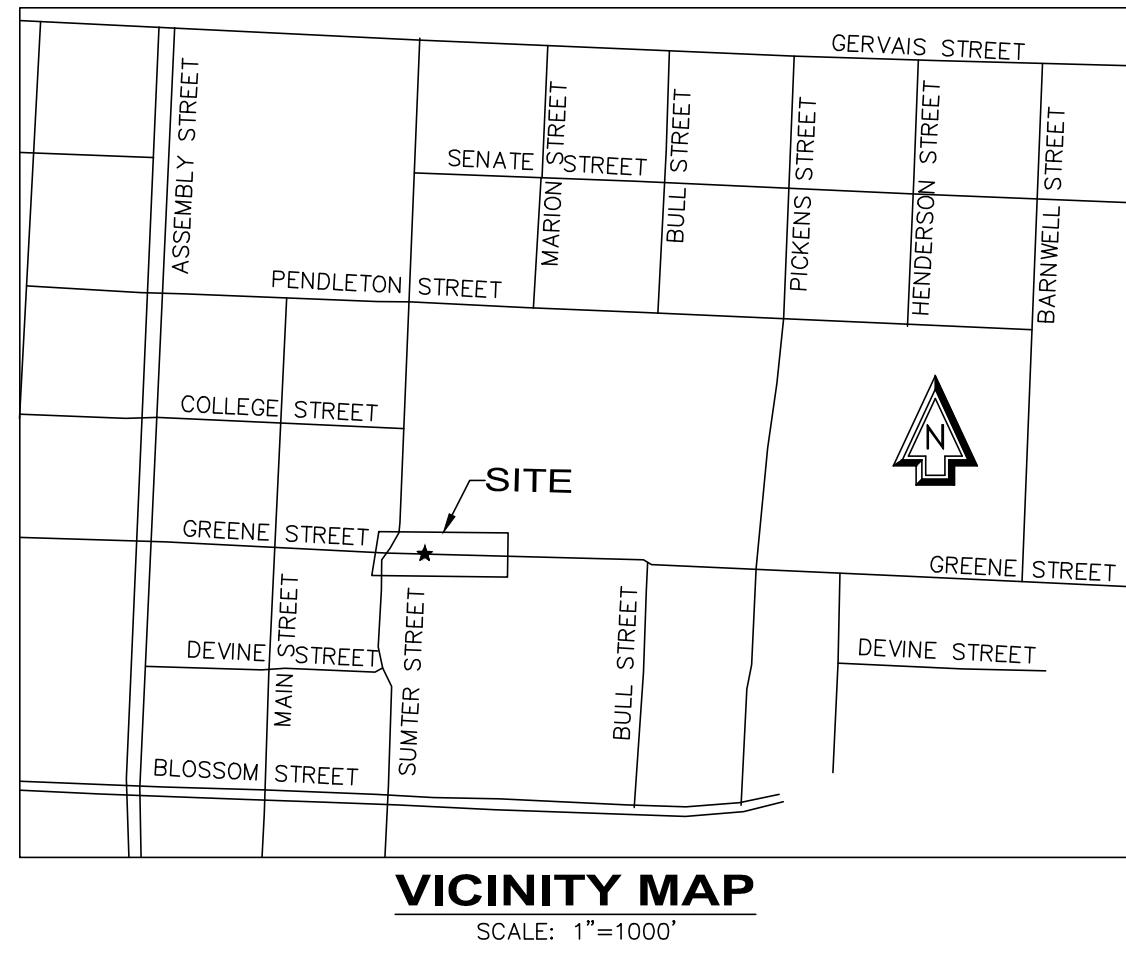
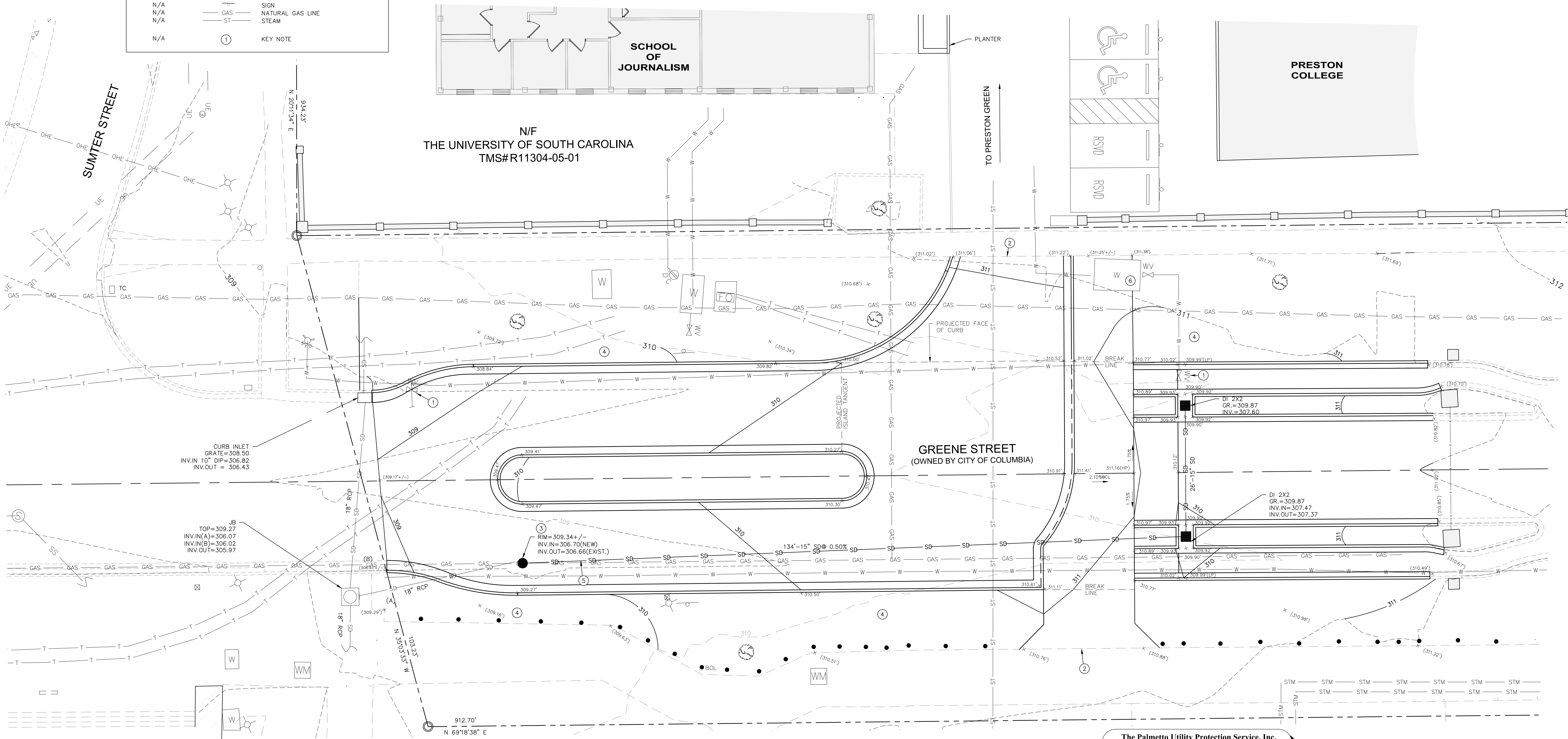
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Sheet No.	OF



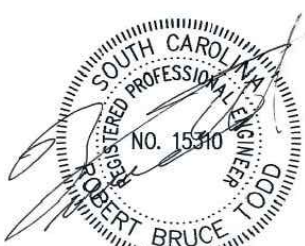
S:\PROJECTS\15444 USC GREENE STREET IMPROVEMENTS\DRAWINGS\CIVIL\170322\USC GREENE STREET.DWG - 3/22/2017

LEGEND		
NEW	EXISTING	DESCRIPTION
N/A		BENCHMARK/CONTROL POINT
N/A		BUILDING
N/A		LIGHT POLE
		CURB AND GUTTER
		CONCRETE SIDEWALK
		BITUMINOUS SURFACE
N/A		CONTOUR
N/A		SPOT ELEVATION
N/A		WATER VALVE
N/A		FIRE HYDRANT
N/A		PAVEMENT BOLLARDS
		STORM DRAINAGE LINE
N/A		SANITARY SEWER LINE w/MANHOLE
N/A		FIRE HYDRANT
N/A		WATER LINE
N/A		WATER VALVE
N/A		WATER METER
N/A		NATURAL GAS LINE
N/A		UNDERGROUND ELECTRIC
N/A		LIGHT POLE w/UNDERGROUND ELECTRIC
N/A		OVERHEAD ELECTRIC w/POLE
N/A		TELEPHONE LINE
N/A		TREE
N/A		FENCE
N/A		SIGN
N/A		NATURAL GAS LINE
N/A		STEAM
N/A	1	KEY NOTE

- KEY NOTES**
- 1 ADJUST EXISTING WATER VALVE BOX ELEVATION TO ACCOMMODATE NEW GRADES.
 - 2 INSTALL PAVERS FLUSH WITH EXISTING SIDEWALK.
 - 3 EXISTING CURB INLET CONVERTED TO JUNCTION BOX. COORDINATE WITH SHEET C1.1.
 - 4 SEE LANDSCAPE IMPROVEMENTS THIS AREA.
 - 5 CONFIRM LOCATION OF EXISTING GAS LINE AND COORDINATE WITH UTILITY OWNER AS NEEDED FOR RELOCATION OF UTILITY.
 - 6 ADJUST NEW METER PIT TOP TO SET FLUSH WITH NEW PAVERS.



Date	Revisions



5/6/16

GREENE STREET PEDESTRIAN IMPROVEMENTS
GRADING PLAN

GRIMBALL
& ASSOCIATES
COTTERILL

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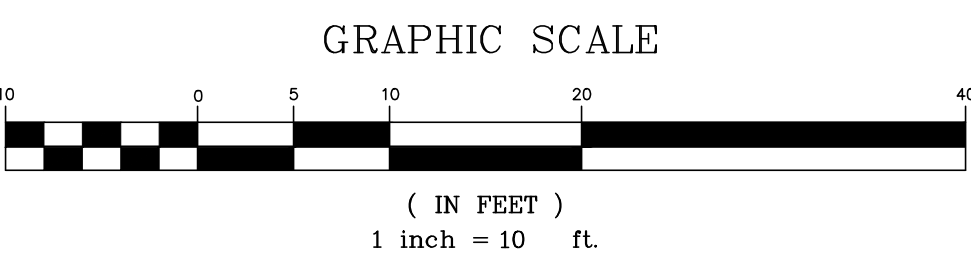
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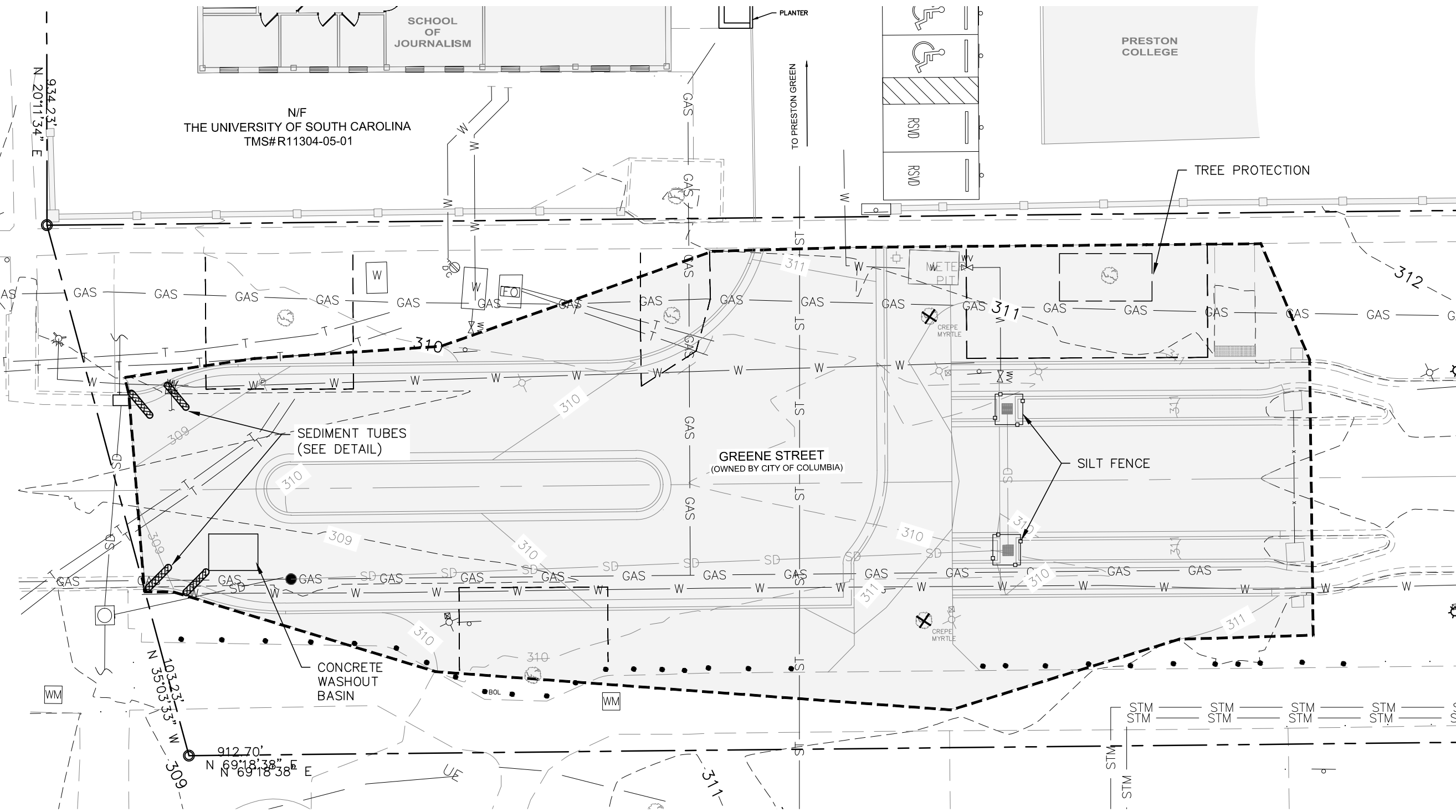
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CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.



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Sheet No.	OF



MATERIALS
USE FILTER FABRIC THAT CONFORMS TO SCOTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION). REFER TO THE SILT FENCE GEOTEXTILE FABRICS APPROVAL SHEET #34.

- USE STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
- BE COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
 - HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
 - WEIGH 1.25 POUNDS PER FOOT (± 8%).
 - BE PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.

ATTACH FABRIC TO METAL POSTS WITH HEAVY-DUTY PLASTIC TIES.

INSTALLATION
EXCAVATE A TRENCH 6-INCHES WIDE AND 6-INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE INLET UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.

EXTEND THE FILTER FABRIC A MINIMUM OF 12-INCHES INTO THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR CRUSHED STONE AND COMPACT OVER THE FILTER FABRIC UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.

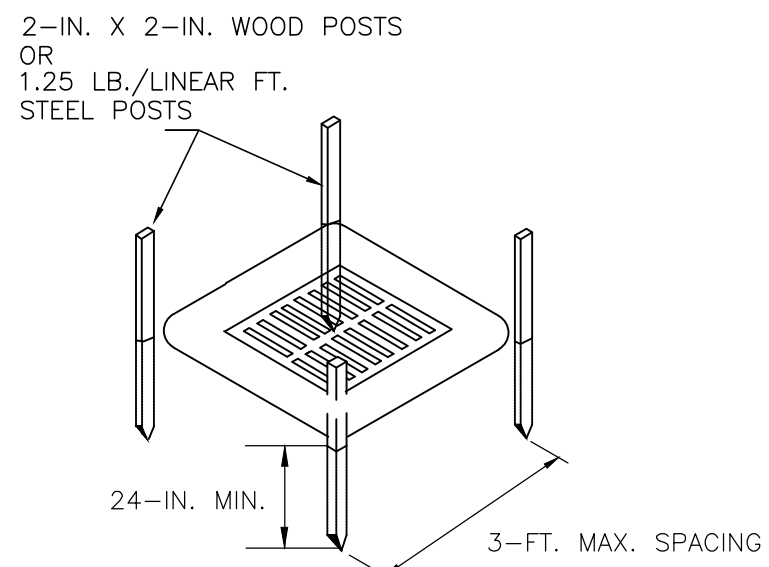
USE STEEL POSTS WITH A MINIMUM POST LENGTH OF 60-INCHES CONSISTING OF STANDARD "T" SECTIONS WITH A WEIGHT OF 1.25 POUNDS PER FOOT (±8%). INSTALL THE FILTER FABRIC TO A MINIMUM HEIGHT OF 24-INCHES ABOVE GRADE. SPACE THE STEEL POSTS AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3-FEET APART AND DRIVE THEM INTO THE GROUND A MINIMUM OF 24-INCHES. CUT THE FILTER FABRIC FROM A CONTINUOUS ROLL TO THE LENGTH OF THE PROTECTED AREA TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, WRAP FILTER FABRIC TOGETHER ONLY AT A SUPPORT POST WITH BOTH ENDS SECURELY FASTENED TO THE POST, WITH A MINIMUM 6-INCH OVERLAP.

ATTACH FABRIC TO STEEL POSTS WITH HEAVY-DUTY PLASTIC TIES.

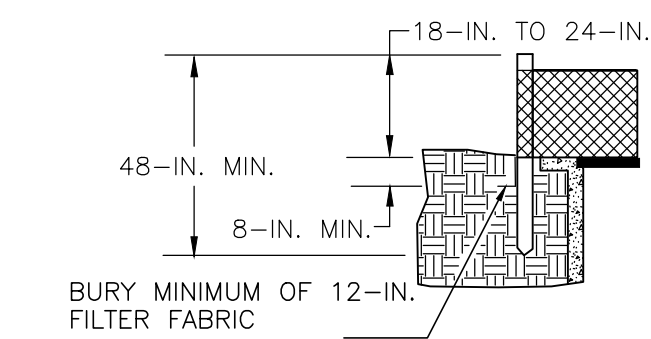
ATTACH AT LEAST FOUR (4) EVENLY SPACED TIES IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, AFFIX TIES IN NO LESS THAN FOUR (4) PLACES.

INSPECTION AND MAINTENANCE
ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER. IF THE FABRIC BECOMES CLOGGED, IT SHOULD BE REPLACED. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY 1/3 THE HEIGHT OF THE FENCE. TAKE CARE NOT TO DAMAGE OR UNDERCUT FABRIC WHEN REMOVING SEDIMENT. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE HOLE. MAINTAIN THE POOL AREA, ALWAYS PROVIDING ADEQUATE SEDIMENT STORAGE VOLUME FOR THE NEXT STORM.

STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. USE APPROPRIATE PERMANENT STABILIZATION METHODS TO STABILIZE BARE AREAS AROUND THE INLET.



POST INSTALLATION DETAIL



FILTER FABRIC BURIAL DETAIL

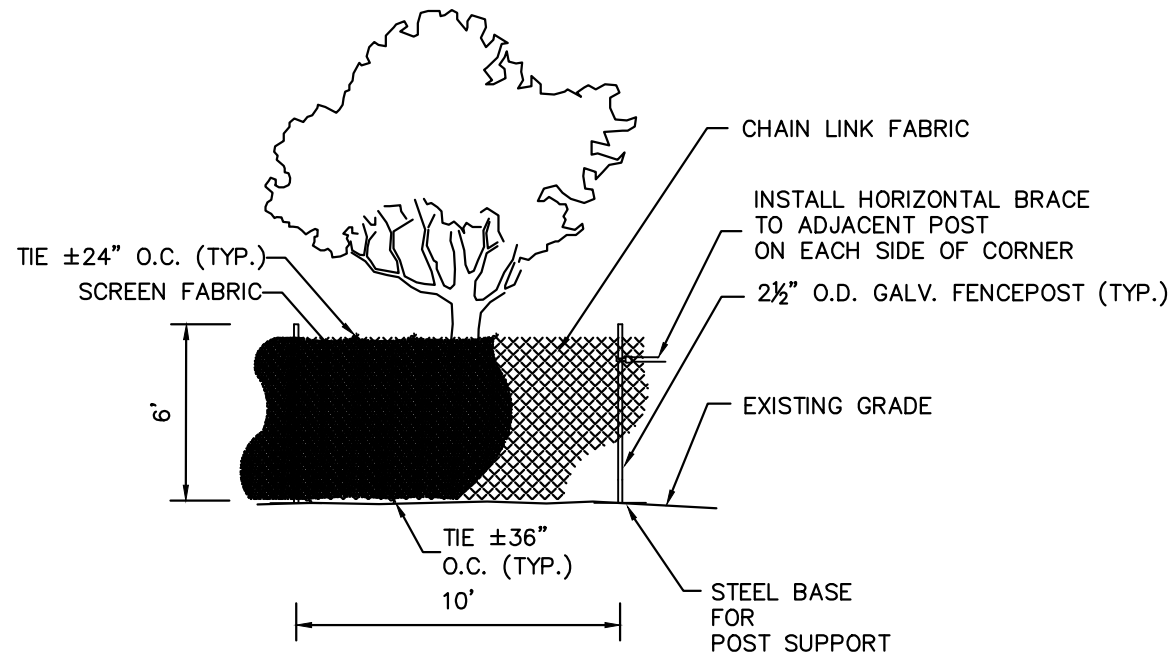
ATTACH FILTER FABRIC TO POSTS WITH STAPLES OR TIES SPACED 6-IN. APART MAX.

FOLD FABRIC TO OVERLAP 6 INCHES AND SECURE TO POSTS WITH STAPLES OR WIRE TIES

FILTER FABRIC INSTALLATION DETAIL

TYPE A - FILTER FABIC INLET PROTECTION

NOT TO SCALE



- NOTES:**
1. SEE LANDSCAPE PLANS FOR LOCATION OF TREE PROTECTION FENCING.
 2. PROVIDE PROTECTION FENCE FOR ALL TREES TO REMAIN.
 3. PROTECTION FENCING TO BE PLACED OUTSIDE OF DRIPLINE OF TREE CANOPY UNLESS OTHERWISE INDICATED ON LANDSCAPE PLAN OR APPROVED BY PROJECT MANAGER.
 4. A 4" LAYER OF HARDWOOD MULCH SHALL BE PLACED OVER TREE PROTECTION AREA.
 5. PROTECTION FENCING SHALL BE IN PLACE AND HARDWOOD MULCH PLACED PRIOR TO BEGINNING CONSTRUCTION.
 6. REQUESTS FOR PAYMENT SHALL NOT BE APPROVED UNTIL PROTECTION FENCING AND MULCH IS IN PLACE.
 7. LOCATION OF THE PROTECTION FENCING SHALL BE MARKED BY ARBORIST AND APPROVED BY PROJECT MANAGER BEFORE INSTALLATION. WHERE CONSTRUCTION IS LIKELY TO OCCUR WITHIN 5' OF PROPOSED LOCATION OF PROTECTION FENCING, CONTRACTOR SHALL HAVE LIMITS OF CONSTRUCTION MARKED BY SURVEY BEFORE PROTECTION FENCING IS INSTALLED.
 8. SCREEN FABRIC SHALL BE DARK GREEN 85% OPAQUE, POLYETHYLENE KNOT MESH, UV STABILIZED WITH BURST STRENGTH OF AT LEAST 210 P.S.I.

NOT TO SCALE

SIGNATURES AND CERTIFICATIONS

A ONE COPY OF THE SWPPP, ALL SPECIFICATIONS, AND SUPPORTING CALCULATIONS, FORMS, AND REPORTS ARE HEREBY SUBMITTED AND MADE A PART OF THIS APPLICATION. I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SC9000000. (THIS SHOULD BE THE PERSON IDENTIFIED IN SECTION V.A.)

Bruce Todd P.E.
PRINTED NAME OF SWPPP PREPARER
Thomas N. Opel P.E.
PRINTED NAME OF PROJECT OWNER/OPERATOR
Robert Tucker, P.E.
SIGNATURE OF SUBJECT OWNER/OPERATOR
TITLE/POSITION
S.C. REGISTRATION NO. 15310
APPLICANT

APPLICANT'S CERTIFICATION STATEMENT

(WE) HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE URGENT TO THIS PLAN

DESIGN CERTIFICATION STATEMENT

I HEREBY CERTIFY THAT THIS PLAN IS DESIGNED TO MEET STORM DRAINAGE REQUIREMENTS AND TO CONTAIN SILT ON THE PROPERTY CONCERNED TO THE MAXIMUM EXTENT FEASIBLE. PROVISIONS FOR EROSION AND SEDIMENT CONTROL AND STORM DRAINAGE ARE IN ACCORDANCE WITH THE COLUMBIA SEDIMENT AND EROSION CONTROL AND STORM DRAINAGE ORDINANCE.

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER

AIRBORNE DUST CONTROL

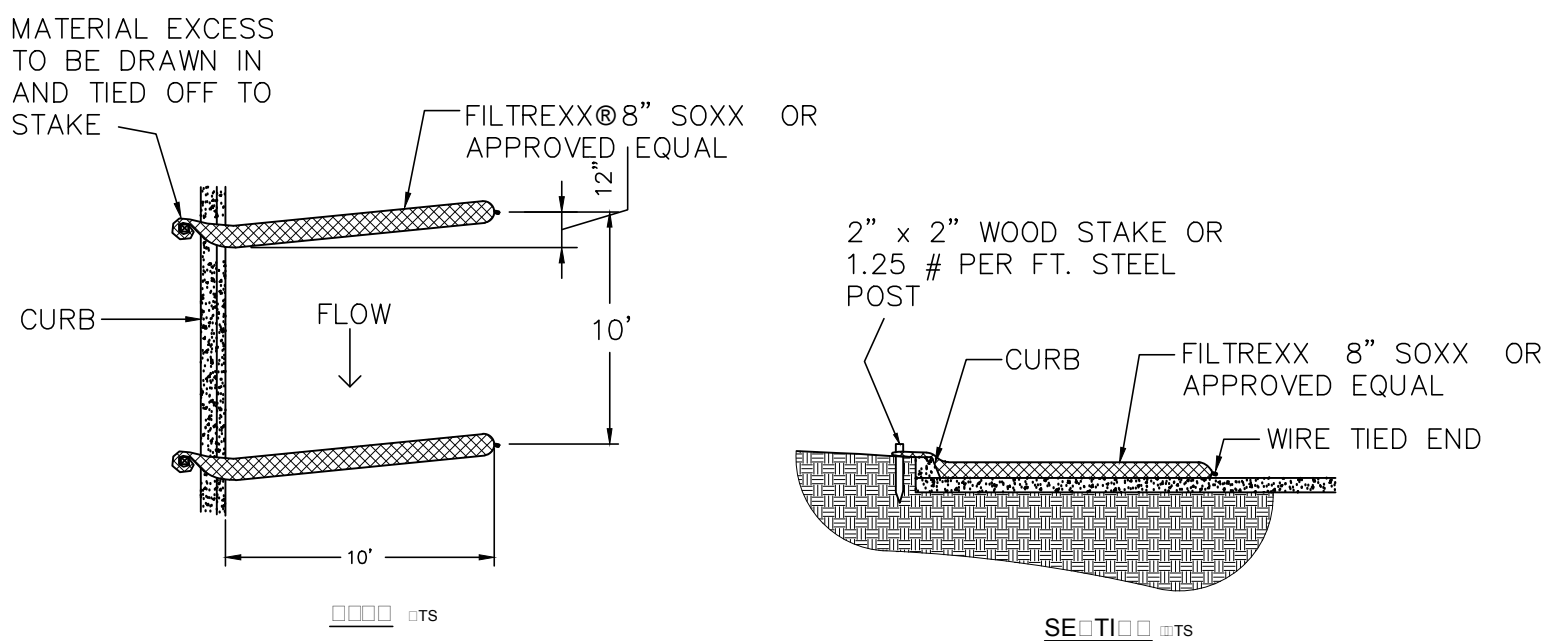
THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS OUTLINED IN THE SOUTH CAROLINA DHEC STORMWATER MANAGEMENT BMP HANDBOOK AS NEEDED TO CONTROL AIRBORNE DUST DURING CONSTRUCTION. COORDINATE WITH ENGINEER PRIOR TO IMPLEMENTATION OF VARIOUS MEASURES.

PREDOMINANT SOIL TYPE

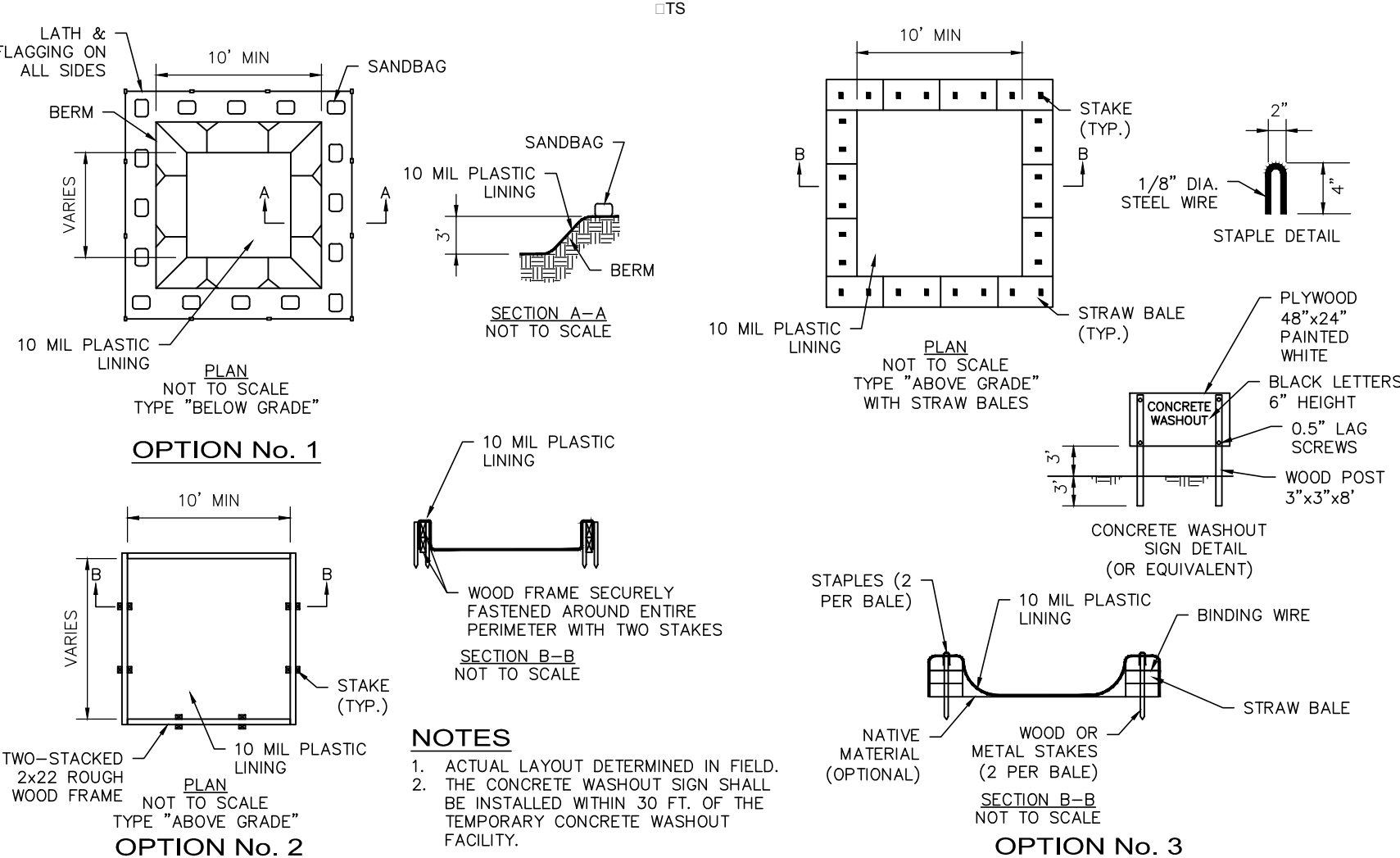
URBAN LAND U_r

GRASSING PER 1000 SQUARE FEET (TEMPORARY)

FROM MAY 1 TO AUGUST 30	FROM SEPTEMBER 1 TO APRIL 30
1 LB. BROWNTOP MILLET GRASS	6 LBS. ANNUAL RYEGRASS
15 LBS. 10-10-10 FERTILIZER	15 LBS. 10-10-10 FERTILIZER
5 LBS. MAGNESIUM SULFATE	5 LBS. MAGNESIUM SULFATE
10 LBS. CALCIUM (GYPSUM)	10 LBS. CALCIUM (GYPSUM)



SEDIMENT TUBES CURB CONTAINMENT



- NOTES**
1. ACTUAL LAYOUT DETERMINED IN FIELD.
 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

CONSTRUCTION SEQUENCE OF ENTIRE CONSTRUCTION AREA FOR EROSION AND SEDIMENT CONTROL

1. SEE SWPPP FOR LIMITS OF DISTURBANCE AND FLAG LIMITS FOR CLEARING AS NEEDED.
2. INSTALL SILT FENCES AND CONTROL DEVICES AS SHOWN ON PLANS WHERE APPLICABLE FOR INITIAL GRADING.
3. CLEAR FLAGGED AREA.
4. SCRAPE EXISTING LAYER OF VEGETATION (MIN. 2" DEPTH) FROM CONSTRUCTION AREA AND DISPOSE OF OFFSITE.
5. CONSTRUCT SEDIMENT/DETENTION BASIN. SEE EARTHWORK SPECIFICATIONS FOR POND FILL COMPACTION RATIO.
6. CONTRACTOR SHALL INSTALL TEMPORARY BAFFLING AT THE INLET OF THE SEDIMENT POND, TO DIRECT STORMWATER RUNOFF AWAY FROM THE OUTLET UNTIL THE SITE IS STABILIZED.
7. INSTALL STORM DRAINAGE SYSTEM AND SILT FENCES IN SEQUENCE WITH EARTHWORK OPERATIONS.
8. ALL DISTURBED AREAS SHALL RECEIVE STABILIZING MEASURES (TEMPORARY GRASSING) WITHIN 14 DAYS, EXCEPT WHERE CONSTRUCTION WILL RESUME WITH 21 DAYS.
9. SEE NOTE NO. 3 UNDER SEDIMENT AND EROSION CONTROL NOTES FOR INSPECTION INFORMATION.
10. COMPLETE CONSTRUCTION.
11. FINAL GRADING, GRASSING, AND LANDSCAPING.
12. EROSION CONTROL MEASURES TO BE REMOVED AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED.
13. SEDIMENT ACCUMULATIONS SHALL BE REMOVED FROM IMPOUNDED AREAS ONCE THE SITE IS STABILIZED. COORDINATE WITH OWNER/ARCHITECT PRIOR TO COMMENCING OPERATION.

EROSION AND SEDIMENT CONTROL MEASURES

GENERAL

THE CONTRACTOR IS ADVISED THAT ALL GRADING AND DRAINAGE WORK ON THE PROJECT IS PERMITTED UNDER THE REQUIREMENTS OF THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL, DIVISION OF STORMWATER MANAGEMENT. COMPLIANCE WITH THE PERMITTED CONDITIONS IS MANDATORY. THE CONTRACTOR SHALL RELY ON EXPERIENCE AND CONTROL OF THE WORK TO PROVIDE ADEQUATE AND ORDERLY CONSTRUCTION METHODS TO CONTROL STORMWATER RUNOFF AND PREVENT THE EXCESSIVE MIGRATION OF SEDIMENTS FROM THE SITE. THE CONTRACTOR ALSO SHALL DIRECT INSTALLATION OF NECESSARY TEMPORARY CONSTRUCTION MEASURES TO CONTROL STORMWATER RUNOFF. ALL STORMWATER MANAGEMENT MEASURES SHALL BE INSPECTED AFTER EACH RAIN EVENT, AND ANY REQUIRED MAINTENANCE SHALL BE PERFORMED.

SILT FENCES

SILT FENCES OR EQUIVALENT SEDIMENT CONTROL SHALL BE INSTALLED WHERE INDICATED AND MAINTAINED IN ACCORDANCE WITH THIS PLAN.

STORM DRAINAGE STRUCTURES

TEMPORARY BARRIERS OF EITHER SILT FENCING OR ROCK RIPRAP SHALL BE INSTALLED AND MAINTAINED AROUND STORM DRAINAGE STRUCTURES UNTIL THEIR DRAINAGE AREA IS STABILIZED. STORM DRAINAGE PIPES, INCLUDING OUTLET PROTECTION, SHALL BE INSTALLED AS SOON AS EARTH GRADING IS ADEQUATE TO ACCEPT PIPE INSTALLATION. INLET STRUCTURES SHALL BE CONSTRUCTED AS THE EARTH FILL IS PLACED, AND CONSTRUCTION SHALL AT ALL TIMES PROVIDE SURFACE DRAINAGE TO THEM. TEMPORARY BARRIERS SHALL BE INSTALLED AND MAINTAINED AT EACH INLET AS THE EARTH FILL RISES.

STABILIZATION OF DISTURBED AREAS

DISTURBED AREAS SHALL RECEIVE STABILIZING MEASURES WITHIN 14 DAYS AFTER DISTURBANCES, UNLESS CONSTRUCTION WILL RESUME IN THAT AREA WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED.

INSPECTION AND MAINTENANCE

SEDIMENT CONTROL SYSTEMS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER ANY RAINFALL EVENT EXCEEDING 0.5 INCH. ANY NEEDED CORRECTIONS OR MAINTENANCE SHALL BE ACCOMPLISHED IMMEDIATELY THEREAFTER.

REMOVAL OF SEDIMENT CONTROL SYSTEMS

TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AFTER EACH AFFECTED AREA HAS BEEN "FINALLY STABILIZED".

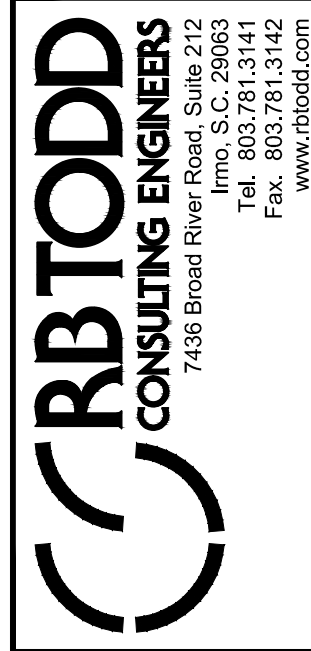
TEMPORARY DIVERSIONS

TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

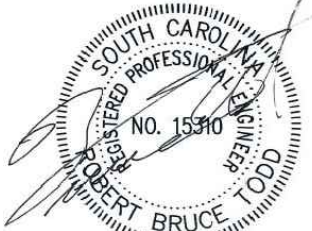
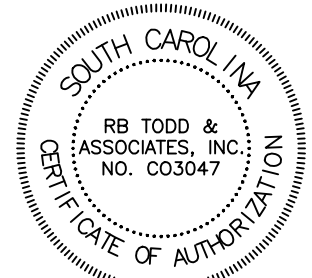
TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO PREVENT FLOW OF STORMWATER OVER DISTURBED AREA. TEMPORARY DIVERSION OUTLETS SHALL HAVE ADEQUATE CAPACITY AND TERMINATE INTO DENSE VEGETATION, ROCK RIPRAP, STORM STRUCTURES, OR SIMILAR MEASURES TO REDUCE EROSION AT THE OUTLET. TEMPORARY DIVERSION CHANNELS SHALL BE CONSTRUCTED AND MAINTAINED AT A MINIMUM OF 1 PERCENT GRADE AND A MAXIMUM GRADE OF 2 PERCENT. THE CAPACITY OF TEMPORARY DIVERSIONS SHALL BE REPEATED ANYTIME THE EXCAVATED CHANNEL BECOMES FULL OF SEDIMENT AT ANY POINT IN THE LENGTH OF THE DIVERSION. THE RIDGE AND CHANNEL OF THE TEMPORARY DIVERSIONS SHALL BE STABILIZED WITH TEMPORARY VEGETATION IMMEDIATELY AFTER CONSTRUCTION AND RE-STABILIZED AFTER EACH DISTURBANCE.

SEDIMENT AND EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THROUGHOUT THE LENGTH OF CONSTRUCTION SILT FENCES AT ALL STORM DRAINAGE STRUCTURES AND ALONG THE PERIMETER OF CONSTRUCTION AS NECESSARY TO CONTAIN ALL SEDIMENT RUNOFF WITHIN THE AREAS DISTURBED BY CONSTRUCTION.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED EXCEPT AS STATED BELOW.
 - > WHERE STABILIZATION BY THE 14th DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - > WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED AT LEAST ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OR IDENTIFICATION.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH ONE-THIRD THE HEIGHT OF THE SEDIMENT FENCE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STABILIZING ALL SLOPES FROM FINISH GRADE TO NATURAL GROUND AND FOR PREVENTING EXCESSIVE EROSION FROM OCCURRING. IMMEDIATELY AFTER ESTABLISHING THE INTERMEDIATE ROUGH GRADE SLOPES AND AFTER REACHING THE FINAL GRADE SLOPES, THE CONTRACTOR SHALL PROVIDE GRASSING OF THESE SLOPES, WHEN SLOPES ARE DISTURBED BY SUBSEQUENT EXCAVATIONS FOR OTHER ITEMS, THE CONTRACTOR SHALL INSPECT THE REPAIRS AND CORRECT ANY DEFICIENCIES IN THE REPAIRS.
6. ALL GRADING WORK SHALL CONFORM SUBSTANTIALLY WITH THE GRADING PLANS. WHERE SPOT GRADES ARE INDICATED ON THE PLANS, THEY SHALL BE ESTABLISHED BY SCALING AND SHALL TAKE PRECEDENCE OVER CONTOURS. ALL GRADING BETWEEN SPOT GRADES SHALL BE SMOOTH AND UNIFORM.
7. THE CONTRACTOR SHALL ADEQUATELY COORDINATE THE INSTALLATION OF THE STORM DRAINAGE SYSTEM TO ENSURE THAT POSITIVE RUNOFF OF STORMWATER IS EFFECTED BOTH DURING CONSTRUCTION AND AFTER COMPLETION OF THE WORK.
8. IF NECESSARY, SLOPES WHICH EXCEED 8 VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
9. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
10. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS AND GENERATION OF DUST. THE CONTRACTOR SHALL REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
11. 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 STABILIZED.
12. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
13. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREAS AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
14. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER), AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.
15. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
16. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
17. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
18. MINIMIZE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
19. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
20. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FROM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
21. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
22. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICAL. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
23. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.



Revisions	Date



5/6/16

GREENE STREET PEDESTRIAN IMPROVEMENTS
STORMWATER POLLUTION PREVENTION PLAN

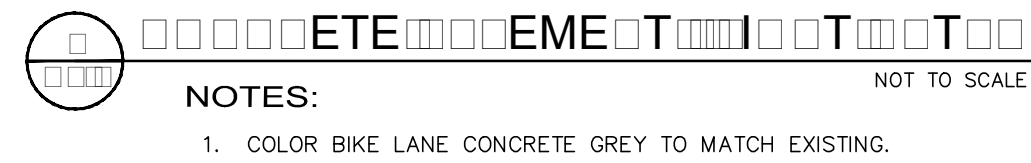
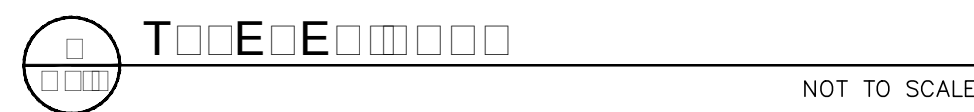
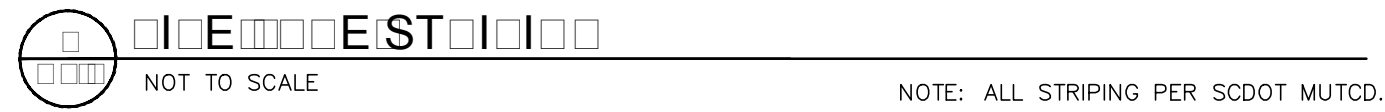
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LANDSCAPE ARCHITECTS & LAND PLANNERS

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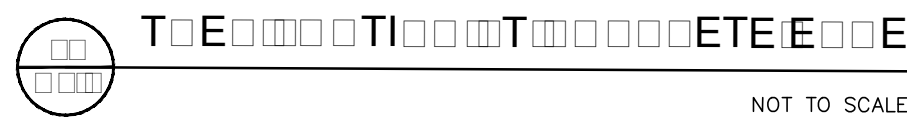
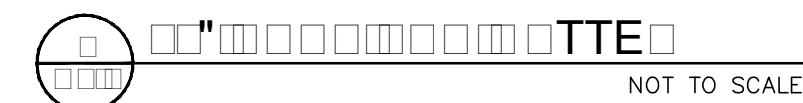
Drawn by:	TLC
Checked by:	RBT
Date:	3/23/17
Drawing No.	C4.1
Sheet No.	OF



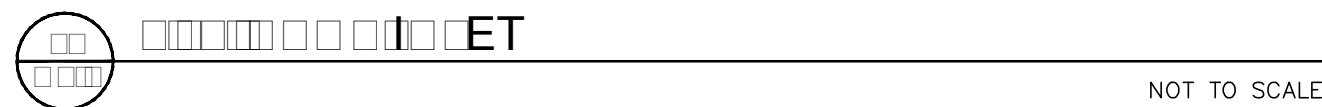
1. CURB AND GUTTER TO BE CONSTRUCTED IN 10-FOOT LENGTHS.
2. PROVIDE 1/2 INCH EXPANSION JOINT MATERIAL AT INTERVALS NOT TO EXCEED 100 FEET, AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY LOCATION WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES.
3. PROVIDE A 5' LONG TRANSITION BETWEEN NORMAL GUTTER AND PITCHED GUTTER UNLESS OTHERWISE INDICATED ON PLANS.



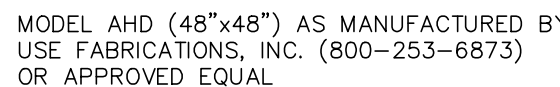
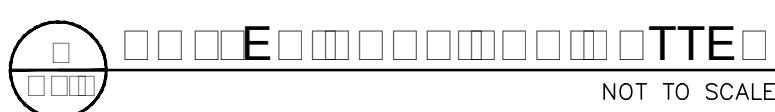
1. CURB AND GUTTER TO BE CONSTRUCTED IN 10-FOOT LENGTHS.
2. 1/2 INCH EXPANSION JOINT SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 100 FEET, AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES.
3. 5-FOOT LONG TRANSITIONS SHALL BE PROVIDED BETWEEN NORMAL GUTTER AND PITCHED GUTTER, UNLESS OTHERWISE NOTED ON THE PAVING PLANS.



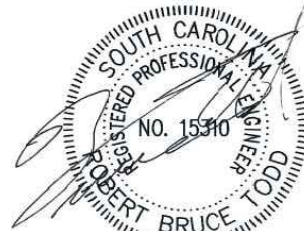
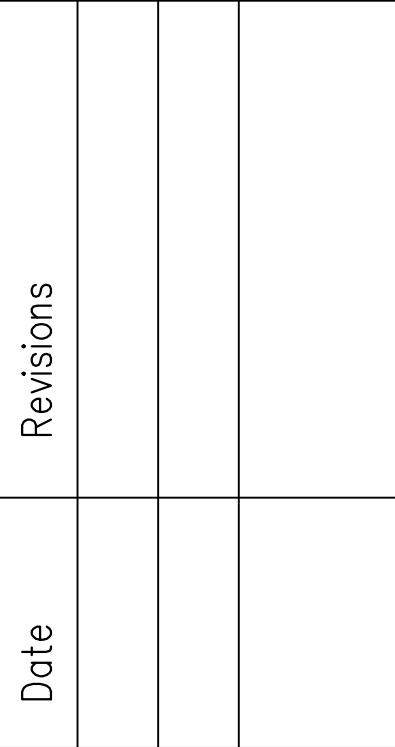
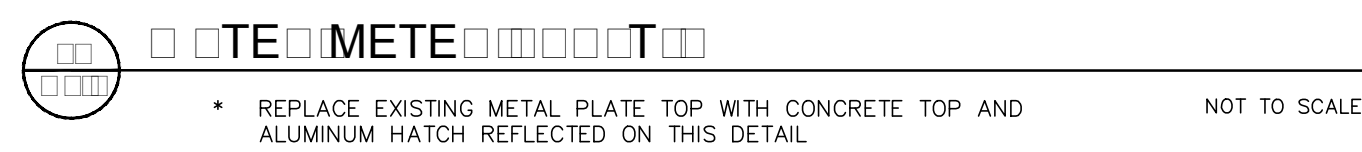
1. ALL CONCRETE SHALL BE 3,000 PSI.
2. ENDS OF ALL PIPES SHALL BE FLUSH WITH INSIDE WALL.
3. STEEL BARS SHALL BE PLACED 1-1/2" CLEAR FROM BOTTOM AND SIDES OF SLAB.
4. FOR 15" - 24" ID, PIPES USE 3-0" x 3-0" BOX.
5. FOR PIPES OVER 24" ID, BOX INSIDE DIMENSIONS SHALL BE PIPE O.D. + 6" EACH SIDE OF PIPE.
6. CONCRETE SHALL BE PLACED TO THE TOP OF THE BOX WHEN STRUCTURE DEPTH IS GREATER THAN 4'.
7. ALL STEPS SHALL BE PLACED 12" O/C AND PROTRUDE 4" FROM INSIDE FACE OF STRUCTURE WALL.
8. CONCRETE BRICK WALLS SHALL HAVE A 1/4" MORTAR COAT ON INSIDE SURFACE.
9. CONCRETE SHALL BE PLACED TO THE TOP OF THE BOX.
10. ALL MATERIALS AND CONSTRUCTION ARE TO COMPLY WITH SECTION 720 OF THE SCDOT STANDARD SPECIFICATIONS.
11. REINFORCED CONCRETE MAY BE SUBSTITUTED FOR BRICK WALLS, REINFORCING TO BE #4 BARS @ 12" E.W.



1. CURB AND GUTTER TO BE CONSTRUCTED IN 10 FOOT LENGTHS.
2. 1/2 INCH EXPANSION JOINT SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 100 FEET, AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES.



1. THE BOX COVER SHALL BE FLUSH WITH THE SURROUNDING GROUND SURFACE.



5/6/16

GREENE STREET PEDESTRIAN IMPROVEMENTS

GRIMBALL
& ASSOCIATES
COTTERILL

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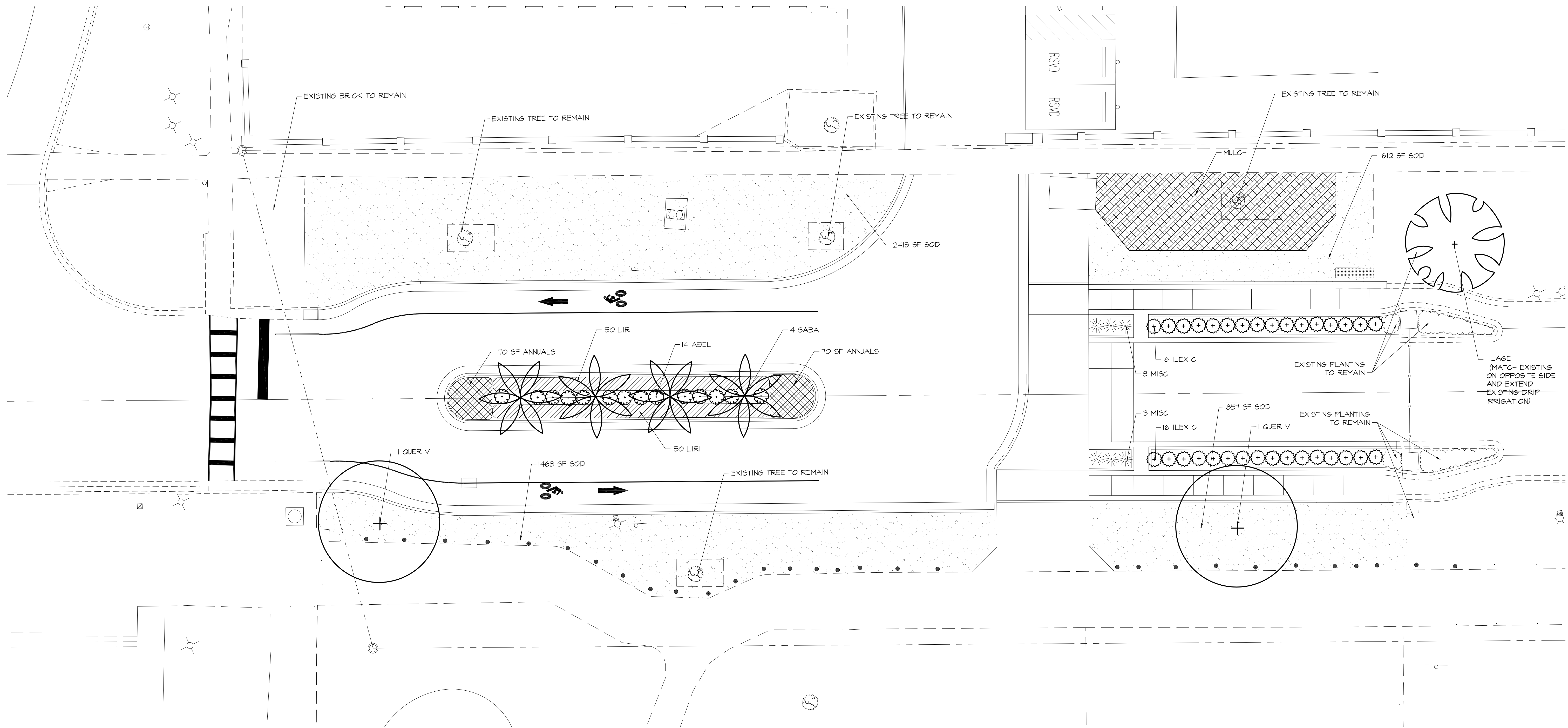
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Date: 3/23/17

Drawing No.

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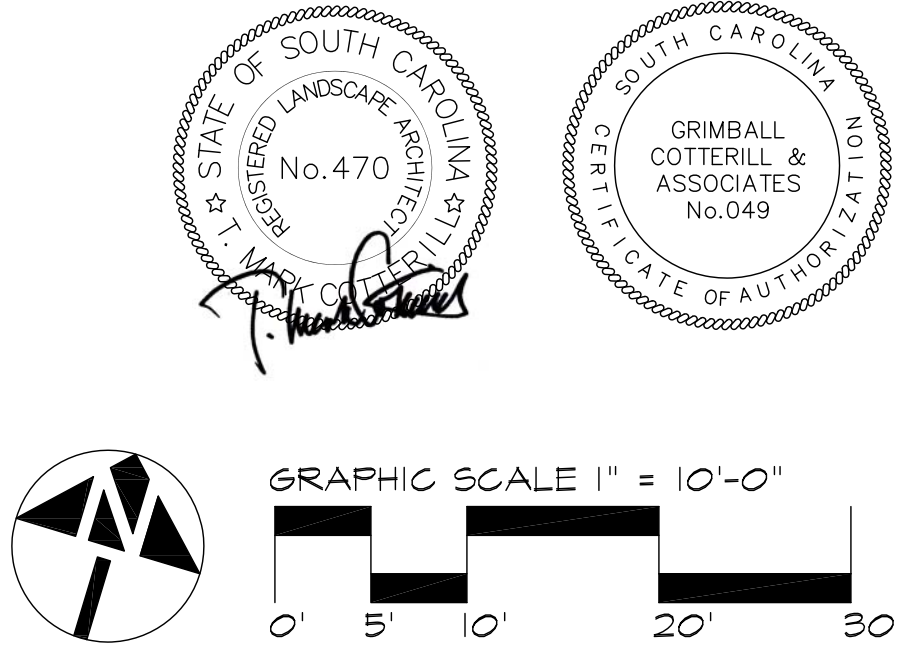


**FINISH GRADE WITH 1" HARDWOOD MULCH SPREAD
IN ALL PLANTING AND TURF AREAS**

ALL OTHER PLANTING

ABBR.	BOTANICAL NAME	COMMON NAME	MINIMUM					COMMENTS	QTY.
			CALIFER	SPREAD	HEIGHT	BALL DIA.	Nº CANES		
QUER V	QUERCUS VIRGINIANA	LIVE OAK	4"	6'	14'-16'	32"	1		2
SABA	SABAL PALMETTO	PALMETTO			10'-12"		1	SPECIMEN	4
LAGE	LAGERSTROEMIA (MATCH EXISTING)	GRAPEMYRTLE (MATCH EXISTING)	1 1/2" EA.	4'-6'	10'-12"	28"	3 MIN	(MATCH EXISTING)	1
ABEL S	ABELIA X ROSE CREEK'	'ROSE CREEK' ABELIA		15"	12"	3 GAL.	3-5	PLANT 3' O.C.	14
ILEX G	ILEX CORNUTA 'CARISSA'	CARISSA HOLLY		15"-18"	12"	3 GAL.	3-5	PLANT 3' O.C.	32
MISC	MISCANTHUS SINENSIS 'LITTLE KITTEN'	'LITTLE KITTEN' MAIDEN GRASS		18"	18"	3 GAL.	3-5	PLANT 3' O.C.	6
ANNUALS	ANNUAL FLOWERS	(VARIETY TO BE SELECTED)							140 SF
LIRI	LIRIOPE MUSCARI 'BIG BLUE'	'BIG BLUE' LIRIOPE				PINT		PLANT 12" O.C.	300
SOD	EREMOCHLOA OPHIUROIDES	CENTPEDE GRASS						WELL ROOTED	5345 SF

1. EXISTING ECOLOGY AND AESTHETICS WILL OFTEN CAUSE ADJUSTMENT OF THESE PLANS TO FIT THE SITE. STAKE-OUT BY THE CONTRACTOR AND ADJUSTMENT BY THE LANDSCAPE ARCHITECT IS ABSOLUTELY NECESSARY.
2. LOCATIONS OF THOSE UTILITIES SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS, AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM THE FAILURE TO DO SO. CONTACT PALMETTO UTILITY PROTECTION SERVICE AT 1-888-721-1871 AT LEAST 12 HOURS PRIOR TO COMMENCING CONSTRUCTION.
3. CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT IF PROPOSED DESIGN IS IN CONFLICT WITH EXISTING OR PROPOSED UTILITIES. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ADJUST PROPOSED DESIGN OR UTILITIES AS NECESSARY TO RESOLVE CONFLICTS.
4. BASE PLAN DATA DERIVED FROM SITE SURVEY PROVIDED BY CHAO & ASSOCIATES DATED MARCH 2013.



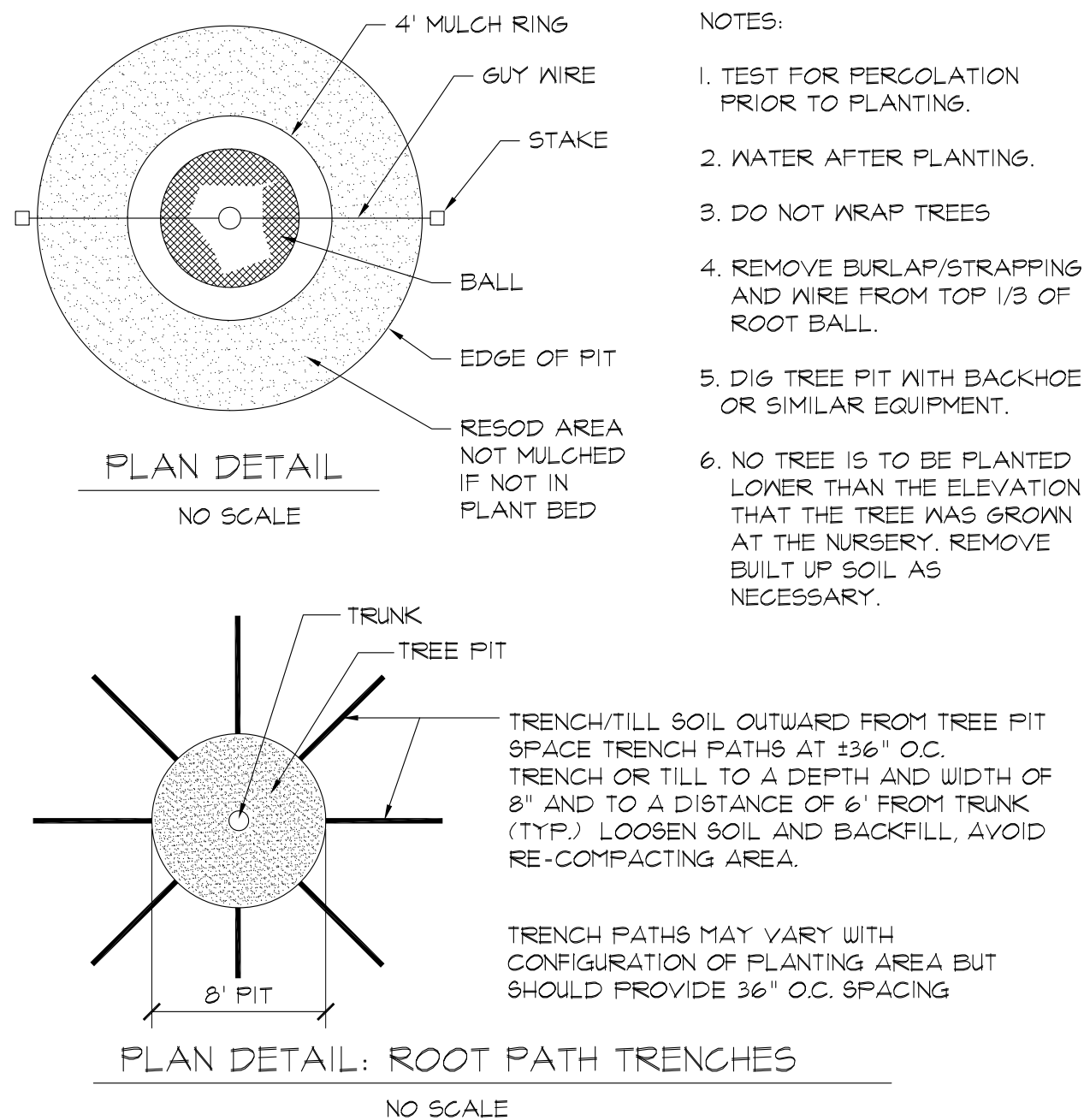
Date	Revisions

GREENE STREET PEDESTRIAN CORRIDOR
PLANTING PLAN
(ALTERNATE #2)

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& ASSOCIATES
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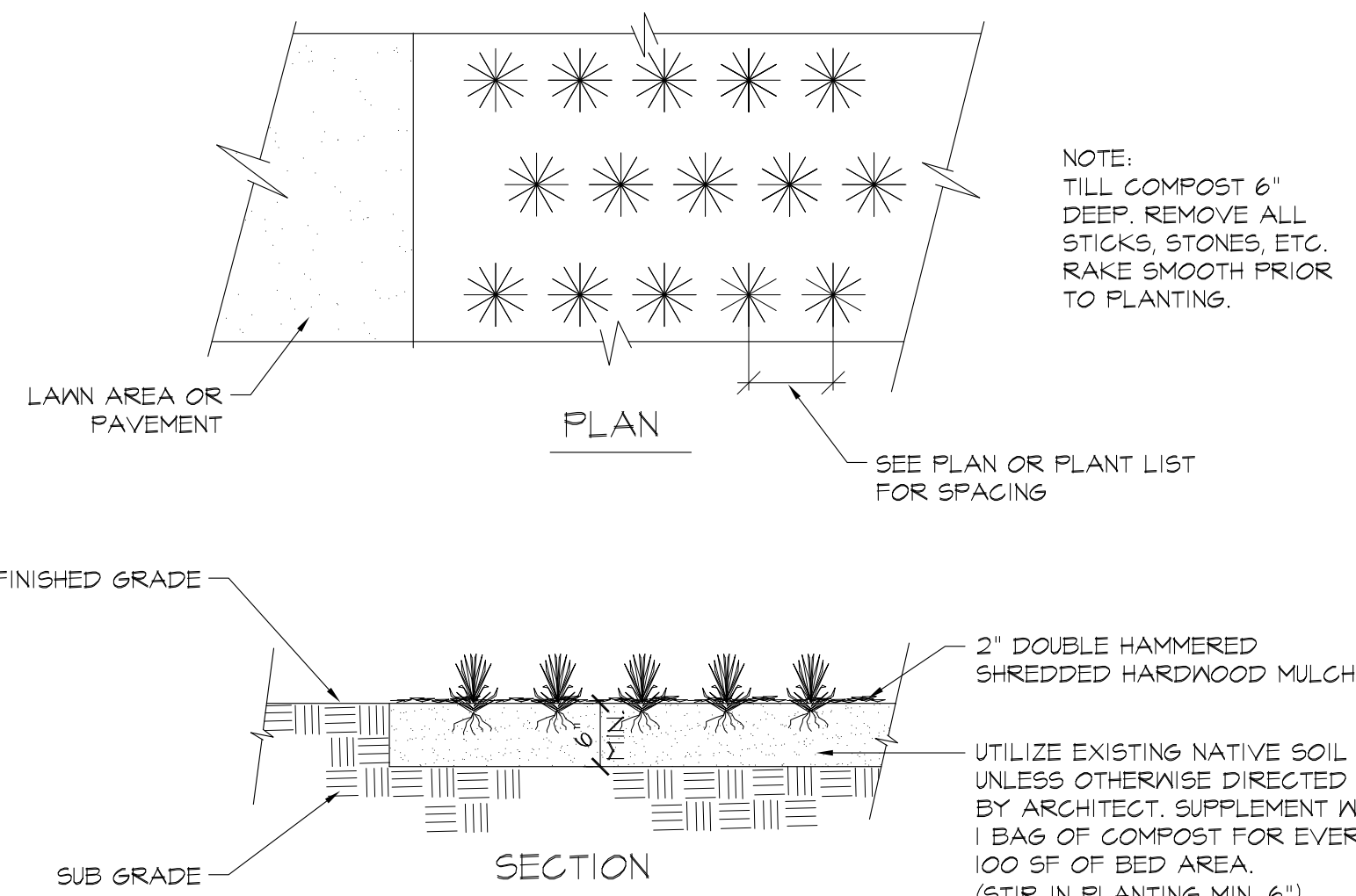
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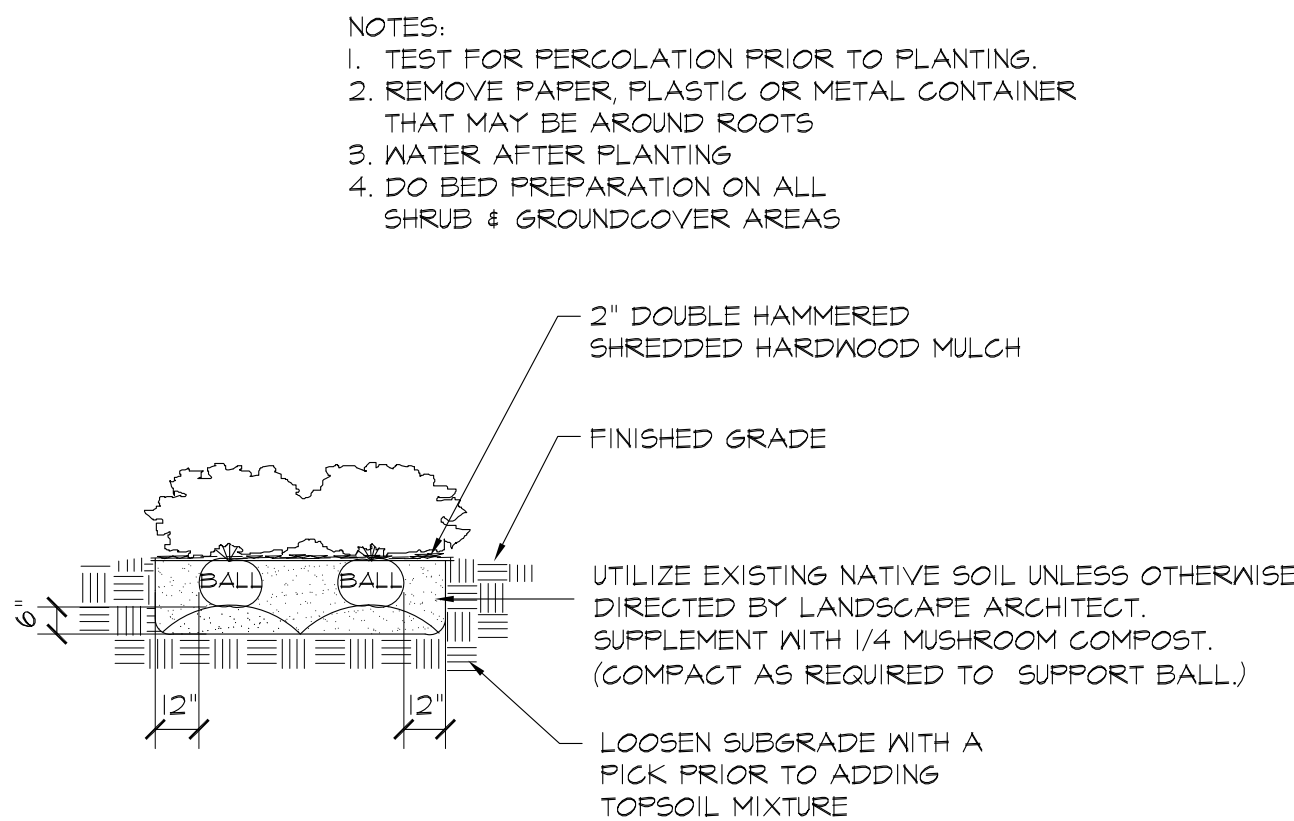


A
L-2
TREE PLANTING AND STAKING
SECTION

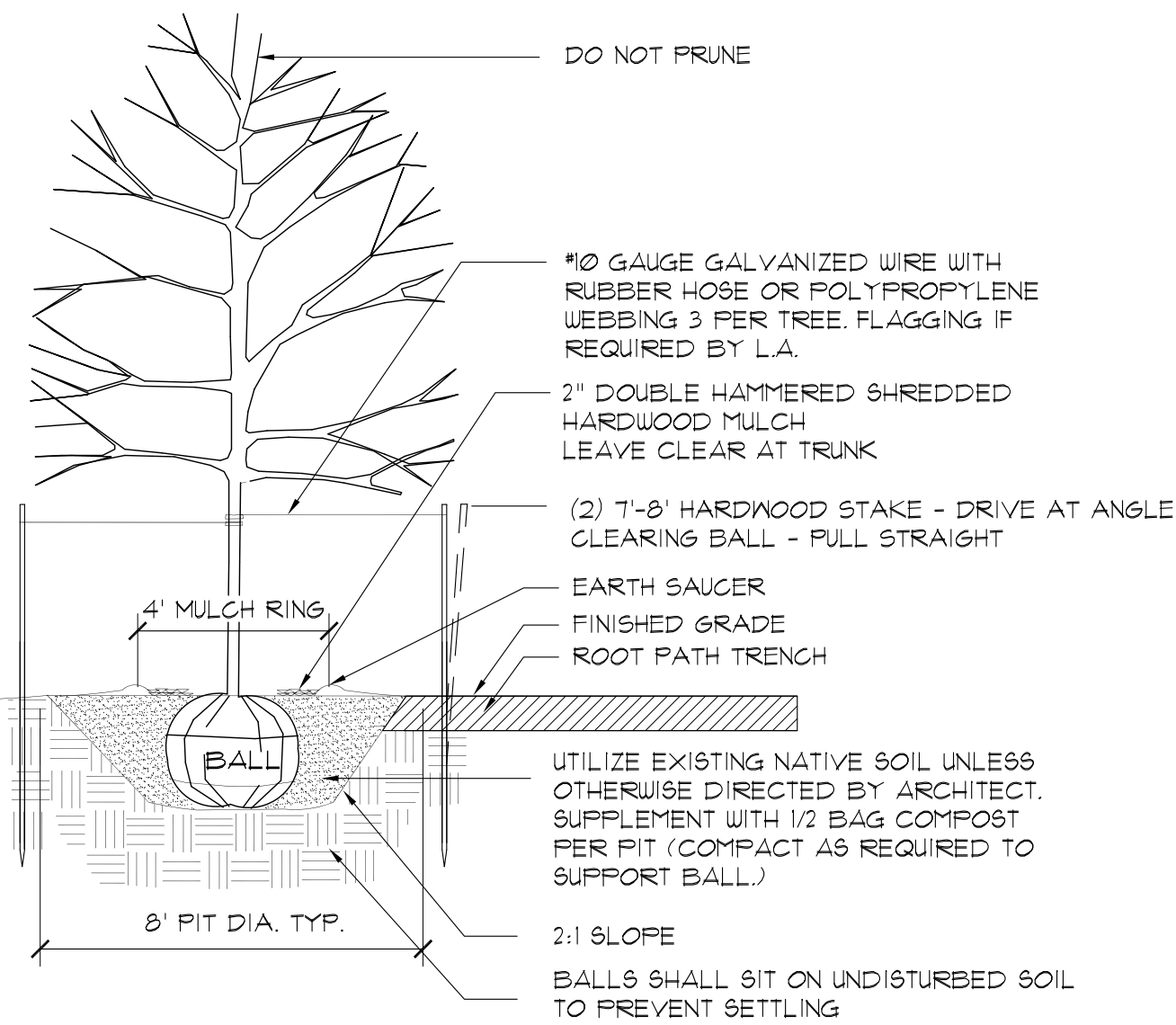
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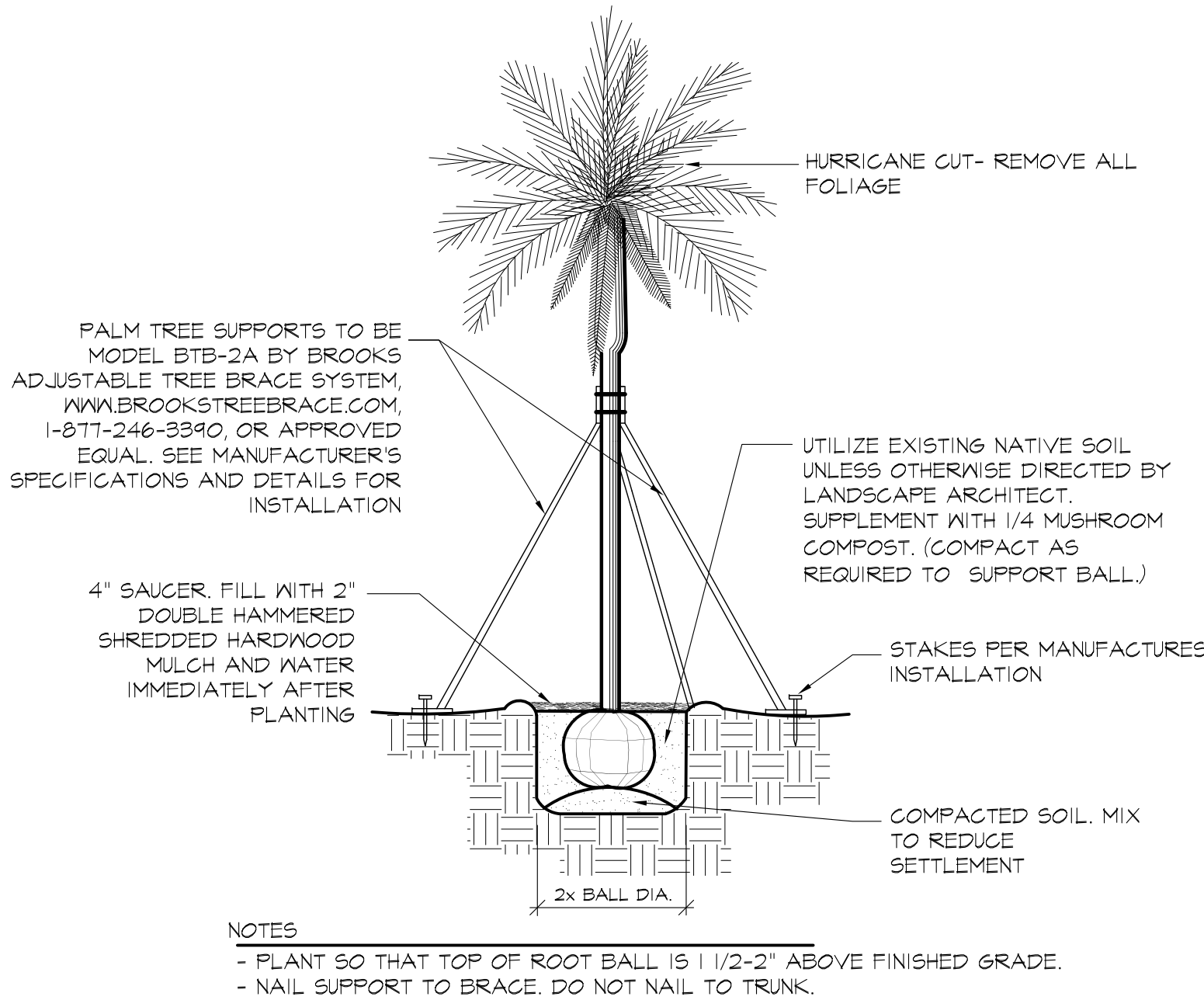
C
L-2
TYPICAL GROUNDCOVER PLANTING
NOT TO SCALE



E
L-2
SHRUB PLANTING
NOT TO SCALE



B
L-2
PALMETTO PLANTING
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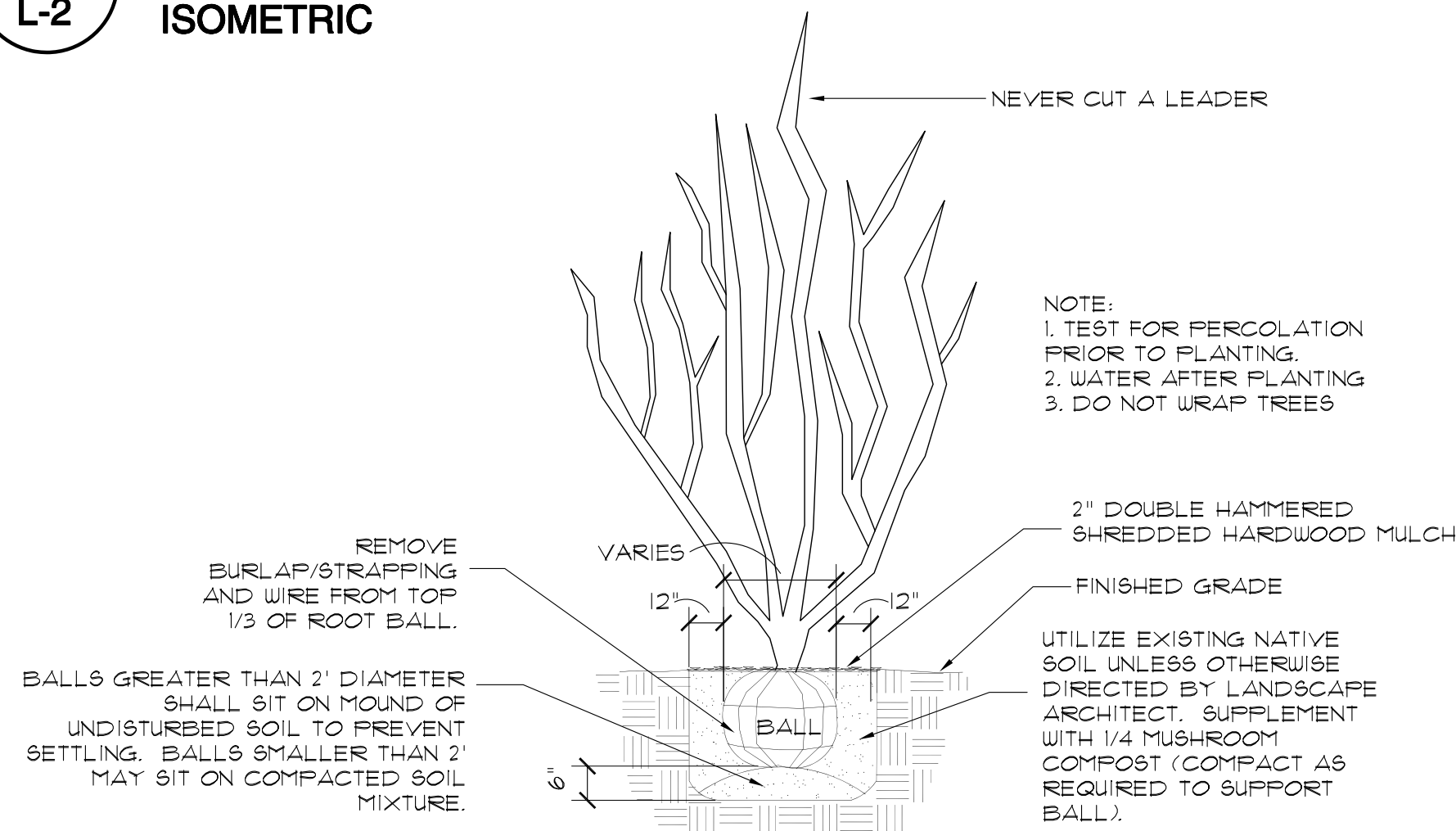


INSTRUCTIONS FOR PERFORMING A PERCOLATION TEST

1. WITH A SHOVEL OR POSTHOLE DIGGER, DIG HOLE 18" TO 24" DEEP. HOLE DIAMETER SHOULD BE A MINIMUM OF 4 INCHES. THE DIAMETER OF THE HOLE SHOULD BE UNIFORM FROM TOP TO BOTTOM WITH THE BOTTOM BEING FLAT.
2. FILL HOLE WITH WATER TO THE TOP AND LET STAND FOR AT LEAST AN HOUR TO PRE-WET THE SOIL.
3. REFILL HOLE TO WITHIN A COUPLE INCHES OF THE TOP. DON'T OVERFLOW THE HOLE.
4. TO AID IN MEASUREMENT, PLACE A STICK ACROSS THE TOP OF THE HOLE AND USE A RULER OR MEASURING TAPE TO MARK PERIODIC DROPS IN WATER LEVEL.
5. ALLOW THE HOLE TO DRAIN FOR AT LEAST ONE HOUR. A LONGER PERIOD OF TIME (2 TO 3 HOURS) WILL GIVE A MORE ACCURATE READING OF AVERAGE PERCOLATION RATES.
6. DETERMINE AVERAGE DROP IN WATER LEVEL PER HOUR AND REFER TO THE TABLE BELOW TO INTERPRET RESULTS.

HOW TO INTERPRET RESULTS	
IF WATER LEVEL IN HOLE DROPS...	SITE IS...
LESS THAN ONE-HALF INCH PER HOUR	POORLY DRAINED AND SUITED TO WET -SITE SPECIES
ONE HALF-INCH TO ONE INCH PER HOUR	MODERATELY WELL DRAINED AND ACCEPTABLE FOR MANY SPECIES INCLUDING NET SITE SPECIES
MORE THAN ONE INCH PER HOUR	WELL DRAINED AND SUITABLE FOR ALL SPECIES INCLUDING SENSITIVE SPECIES

D
L-2
PERCOLATION TEST
ISOMETRIC



F
L-2
CRAPE MYRTLE PLANTING
NOT TO SCALE

PLANTING NOTES

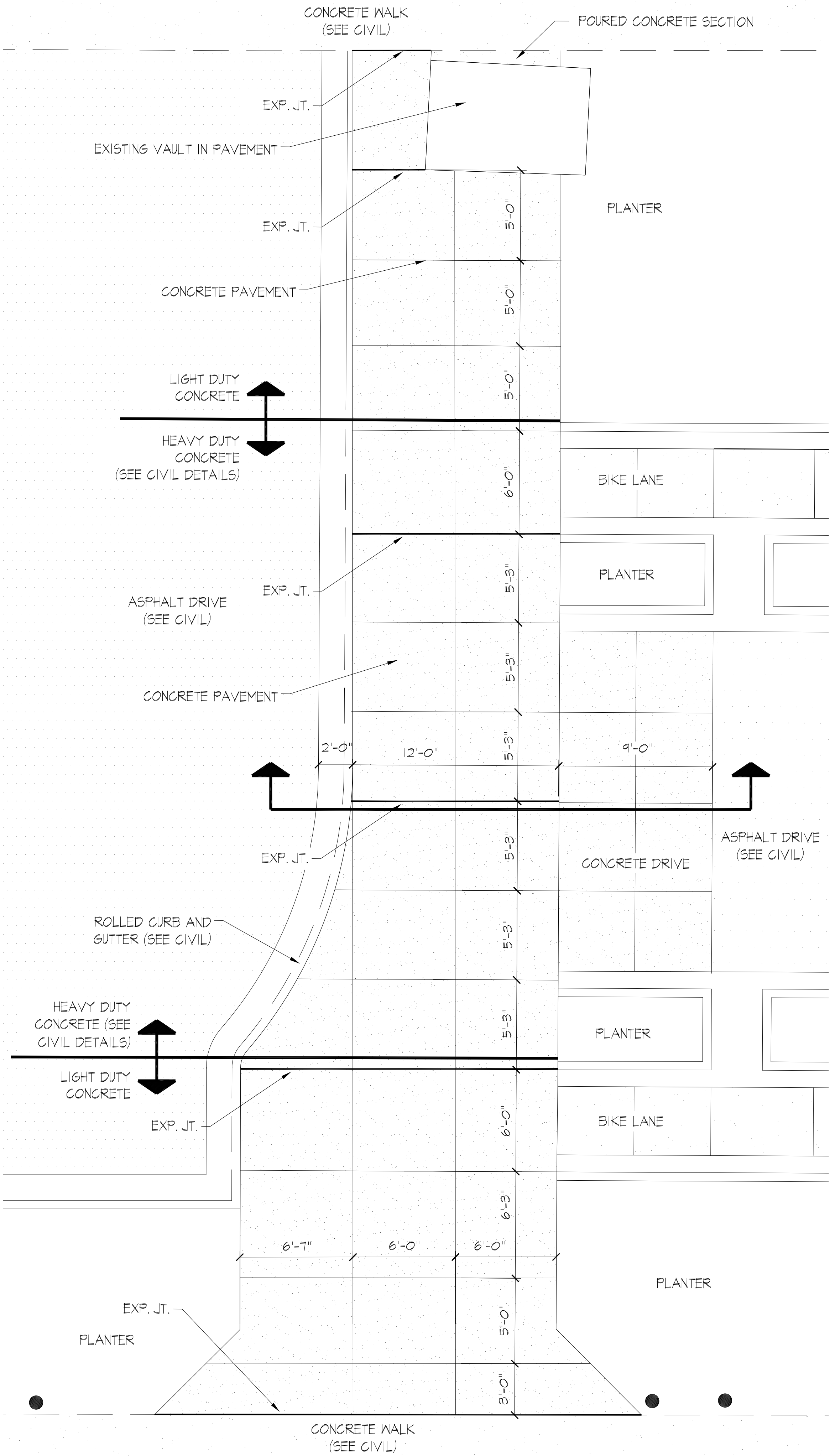
1. PLANTS LABELED NIC ARE NOT IN CONTRACT AND ARE NOT A PART OF THIS PHASE OF WORK.
2. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOWS OR EXCEEDS A CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARD FOR NURSERY STOCKS. SEE THE PLANT LIST FOR MORE RESTRICTIVE REQUIREMENTS.
3. ALL PLANTS SHALL HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
4. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PER CENT OF THIS YEARS' VERTICAL GROWTH (TOP CANDLE).
5. THE LANDSCAPE CONTRACTOR IS HEREBY NOTIFIED OF THE EXISTENCE OF UNDERGROUND UTILITIES WITHIN THE LIMITS OF THE PROJECT AREA. THE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCEMENT OF DIGGING OPERATIONS.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO OPENING ANY PLANTING PITS.
7. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL DO PERCOLATION TEST AS DETAILED ON DETAIL H/L-102. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTING. IF THE SOIL AT GIVEN AREA DOES NOT DRAIN PROPERLY, A PVC DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTINGS RELOCATED.
8. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PANS, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS. OTHERWISE, THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE FOR PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
9. PLANTING PITS FOR TREE AND SHRUBS SHALL BE PREPARED AS PER DETAILS.
10. DOUBLE HAMMERED SHREDDED HARDWOOD MULCH SHALL BE APPLIED TO ALL SHRUB BEDS BY THE CONTRACTOR. BEDS SHALL BE TREATED WITH PREEMERGENT HERBICIDE BY THE CONTRACTOR BEFORE MULCH IS APPLIED. SHREDDED HARDWOOD MULCH SHALL BE TWO INCHES DEEP. A SAMPLE OF SHREDDED HARDWOOD MULCH SHALL BE PRESENTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
11. ALL TREES ARE TO BE STAKED IMMEDIATELY AFTER PLANTING AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF STAKING HOSES, ETC. AT THE END OF THE ONE YEAR GUARANTEE PERIOD.
12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE SITE AT THE COMPLETION OF THE PROJECT AND SHALL MAINTAIN THE SITE IN A REASONABLY NEAT AND CLEAN STATE THROUGHOUT THE INSTALLATION PROCESS. STREETS AND PAVED AREAS SHALL BE CLEANED REGULARLY TO REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS RESULTING FROM WORK OF THE PROJECT.
13. PLANTS SHALL BE GUARANTEED FOR THE DURATION OF ONE (1) FULL YEAR AFTER THE FINAL ACCEPTANCE OF THE PLANTING BY THE OWNER AND SHALL BE ALIVE AND IN SATISFACTORY GROWTH AT THE END OF THE GUARANTEE PERIOD. ANY PLANT NOT IN A HEALTHY AND VIGOROUS STATE AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO COST TO THE OWNER. PLANTS SEVERELY DAMAGED BY VANDALS ARE NOT SUBJECT TO REPLACEMENT BY THE CONTRACTOR DURING THE ONE YEAR GUARANTEE PERIOD.
14. REPLACEMENTS OF DEAD OR UNSATISFACTORY MATERIAL SHALL BE MADE AS SPECIFIED IN THE PLANT LIST. THE OWNER OR LANDSCAPE ARCHITECT SHALL INSPECT REPLACEMENTS WHEN ALL REPLACEMENTS HAVE BEEN MADE. REPLACEMENTS ARE TO BE ALIVE AND IN A HEALTHY CONDITION WHEN THE REPLACEMENTS ARE COMPLETE, AND SHALL BE SUBJECT TO A ONE (1) YEAR GUARANTEE FROM THE DATE OF SATISFACTORY REPLACEMENT.
15. SHOULD THE CONTRACTOR NOT MAKE REPLACEMENTS IN A SATISFACTORY AND TIMELY FASHION IN ACCORD WITH THE PLANTING NOTES, THE OWNER, AFTER PROPER NOTIFICATION TO THE CONTRACTOR MAY UTILIZE THE FUNDS OF THE RETAINAGE TO HAVE THE REPLACEMENTS MADE IN ACCORD WITH THE SPECIFICATIONS BY ANOTHER CONTRACTOR.
16. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OR UNATTENDED OVERNIGHT.
17. PLANT MATERIAL QUANTITIES PROVIDED IN THE PLANT LIST ARE FOR REFERENCE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL PLANT MATERIAL COUNTS. DISCREPANCIES BETWEEN QUANTITIES SHOWN ON THE PLANTING PLAN AND THOSE IN THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. IF CLARIFICATION OF DISCREPANCIES FROM THE LANDSCAPE ARCHITECT IS NOT POSSIBLE, THEN QUANTITIES SHOWN ON THE PLANTING PLAN SHALL TAKE PRECEDENCE.

GREENE STREET PEDESTRIAN CORRIDOR
PLANTING DETAILS
(ALTERNATE #2)

GRIMBALL
& ASSOCIATES
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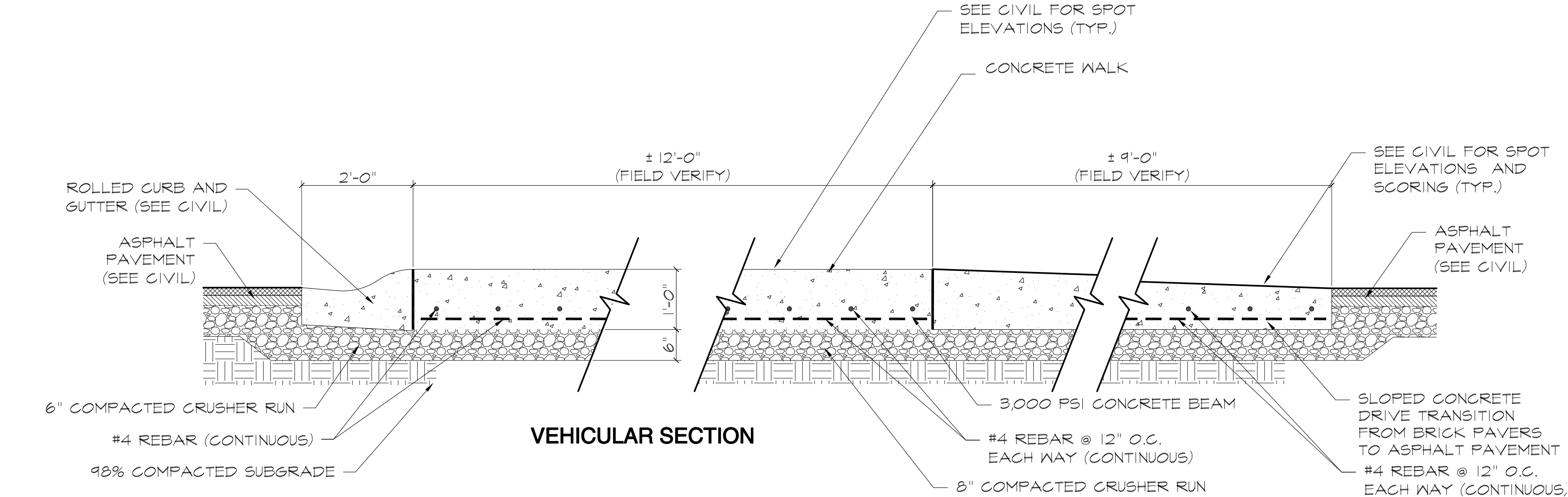
CONCRETE WALK LAYOUT PLAN - BASE BID
PLAN

SCALE 1/4"=1'-0"



GENERAL NOTES

- 1. EXISTING ECOLOGY AND AESTHETICS WILL OFTEN CAUSE ADJUSTMENT OF THESE PLANS TO FIT THE SITE. STAKE-OUT BY THE CONTRACTOR AND ADJUSTMENT BY THE LANDSCAPE ARCHITECT IS ABSOLUTELY NECESSARY.
- 2. LOCATIONS OF THOSE UTILITIES SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS, AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM THE FAILURE TO DO SO. CONTACT PALMETTO UTILITY PROTECTION SERVICE AT 1-888-121-7877 AT LEAST 12 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- 3. CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT IF PROPOSED DESIGN IS IN CONFLICT WITH EXISTING OR PROPOSED UTILITIES. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ADJUST PROPOSED DESIGN OR UTILITIES AS NECESSARY TO RESOLVE CONFLICTS.
- 4. BASE PLAN DATA DERIVED FROM SITE SURVEY. PROVIDED BY CHAO & ASSOCIATES. DATED MARCH 2013.



A
L-3.1
DRIVEWAY SECTION (BASE BID)
SECTION

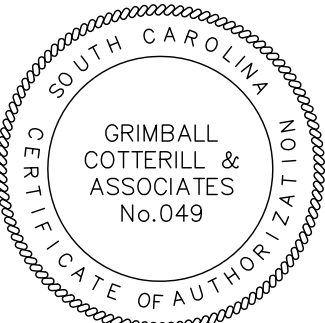
SCALE 3/4"=1'-0"

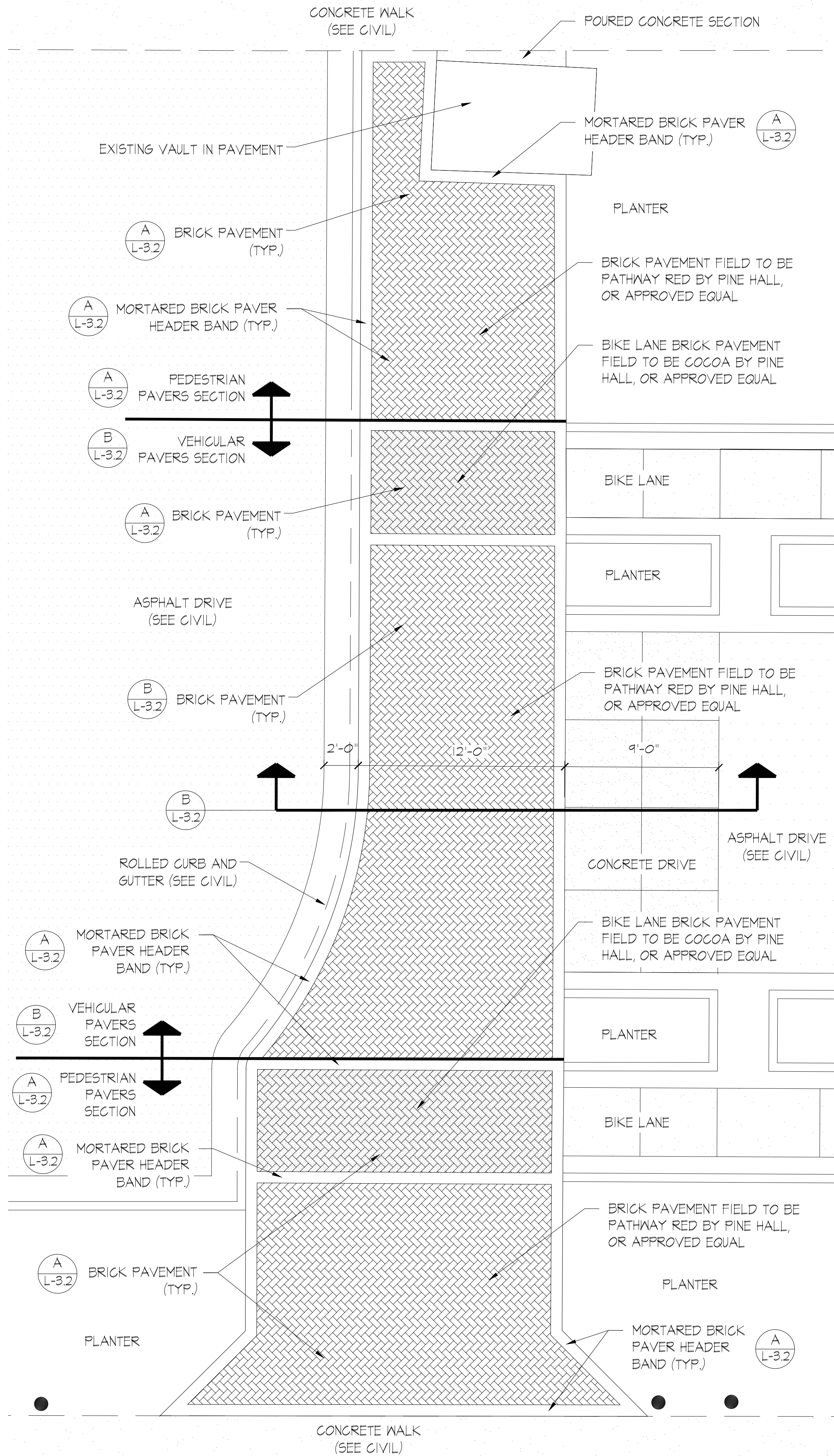
GREENE STREET PEDESTRIAN CORRIDOR
SITE DETAILS
(BASE BID)

GRIMBALL
& ASSOCIATES
COTTERILL

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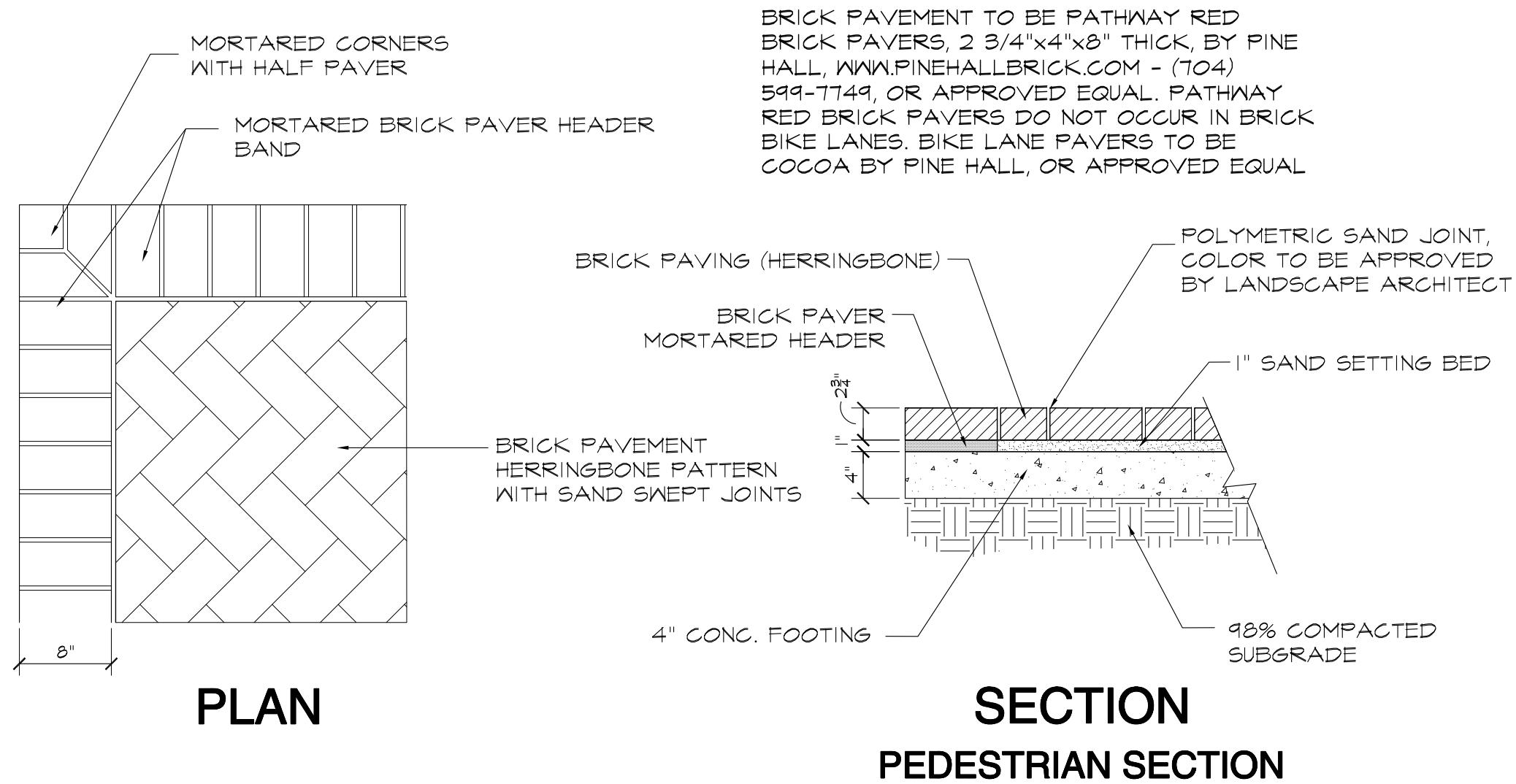
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Sheet No.	OF





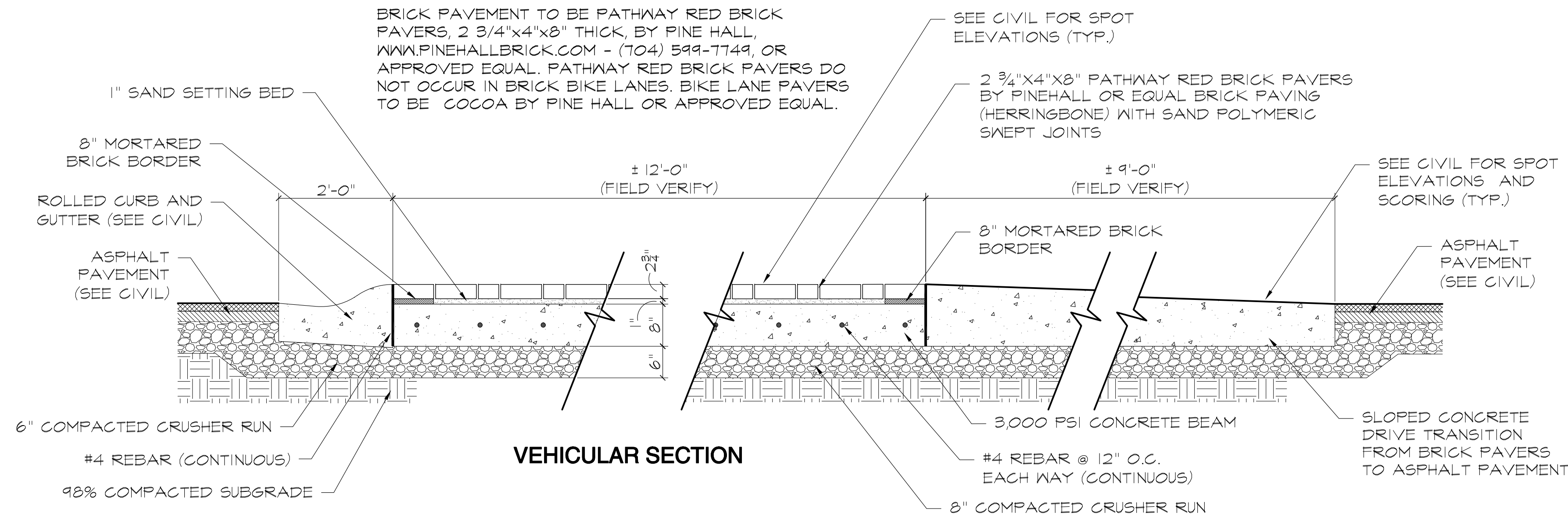
BRICK LAYOUT PLAN - ALTERNATE #1
PLAN

SCALE 1/4"=1'-0"



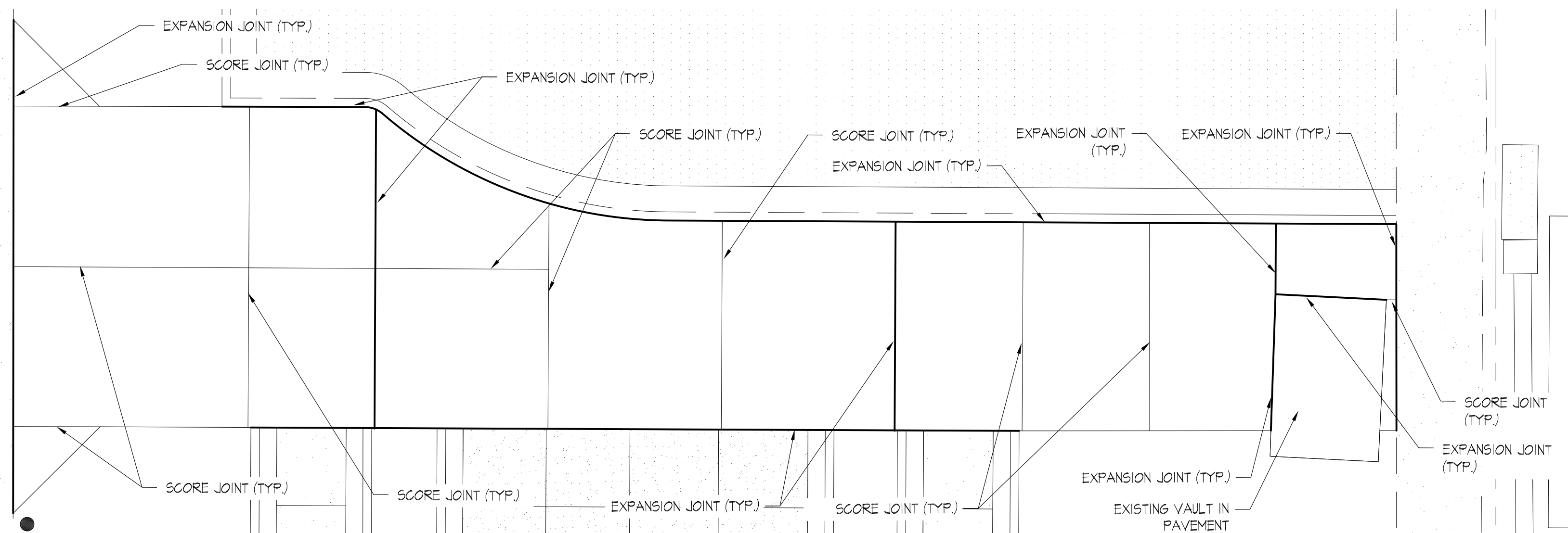
A
L-3.2
BRICK PAVEMENT
PLAN / SECTION

SCALE 1"=1'-0"



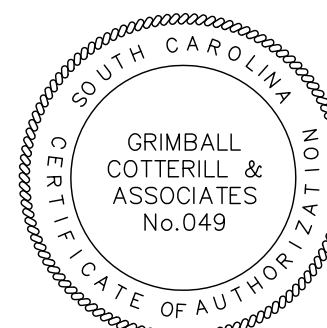
B
L-3.2
DRIVEWAY SECTION
SECTION

SCALE 3/4"=1'-0"



CONCRETE FOOTING UNDER BRICK PAVEMENT SCORING
PLAN

SCALE 3/16"=1'-0"



GENERAL NOTES

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4. BASE PLAN DATA DERIVED FROM SITE SURVEY. PROVIDED BY CHAO & ASSOCIATES, DATED MARCH 2013.

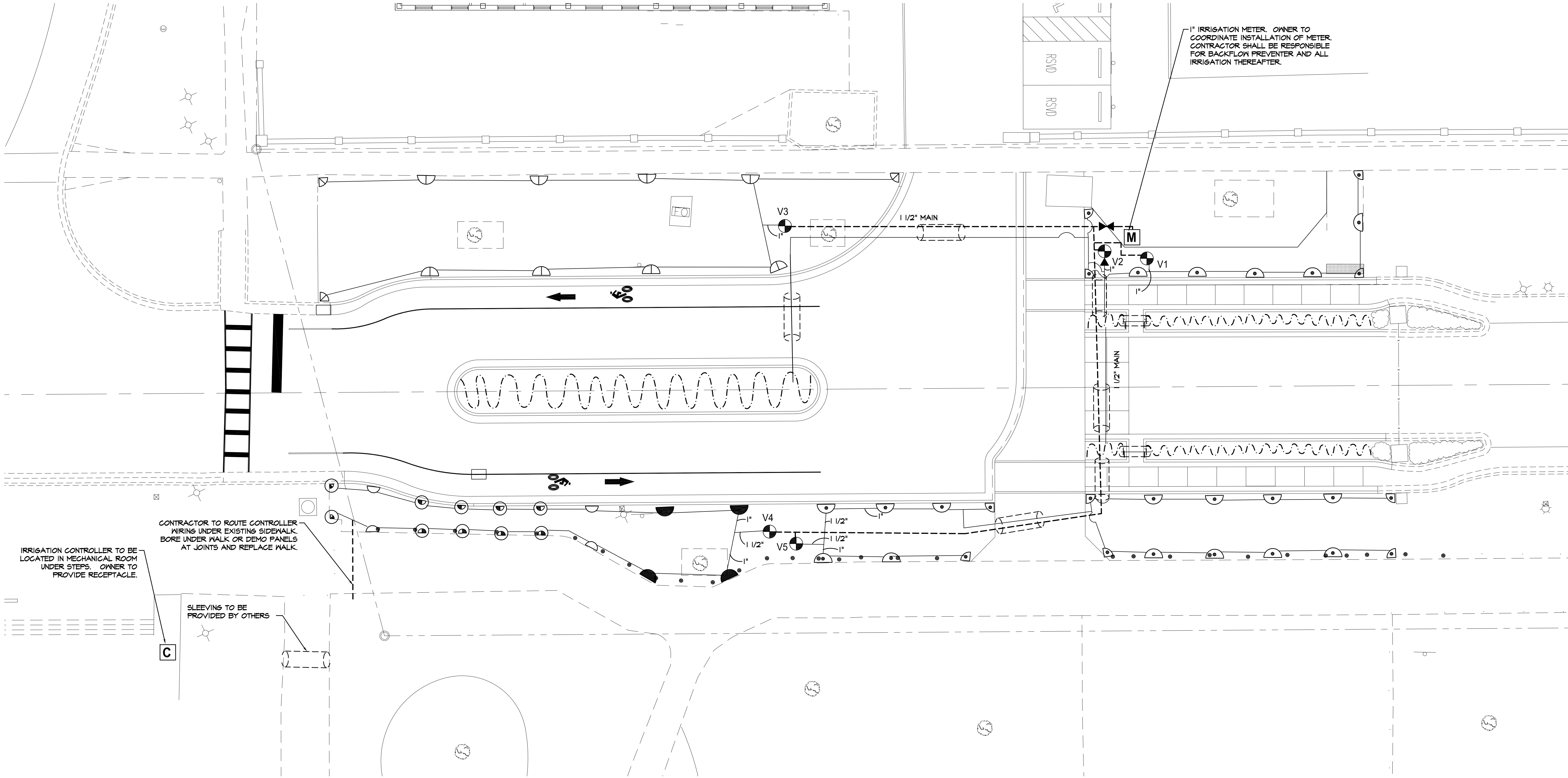
GREENE STREET PEDESTRIAN CORRIDOR
SITE DETAILS
(BRICK PAVING ALTERNATE)

GRIMBALL
& ASSOCIATES
COTTERILL

LANDSCAPE ARCHITECTS & LAND PLANNERS
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IRRIGATION LEGEND

- M** 1" IRRIGATION METER
- C** RAINBIRD ESP-LXD CONTROLLER WITH RAIN SENSOR
- 1" DOUBLE CHECK VALVE BACKFLOW PREVENTER
- RAINBIRD P6A-100 SERIES ELECTRIC VALVE WITH DECODER FOR TWO-WIRE SYSTEM
- XGZ-100-B-COM
- MPROTATOR SERIES POP-UP ROTOR HEAD
- MP2000
- RAINBIRD SERIES POP-UP SPRAY HEAD
 - 8Q 12Q
 - 8H 12H
 - 10H 15H
- 1/2" MAINLINE
- CLASS 160 OR 200 PVC PIPING SIZE AS NOTED
- RAINBIRD DRIP TUBING WITH RAIN-BUG EMITTERS
- 4" SCH. 40 PVC SLEEVING

VALVE SCHEDULE

VALVE	SIZE	TYPE	GPM
V1	1"	1804	9.1
V2	1"	DRIP	10±
V3	1"	MPROTATOR	8.09
V4	1"	1804	17.66
V5	1"	1804	22.15

BASE BID

ALL IRRIGATION SLEEVING

ALTERNATE #2

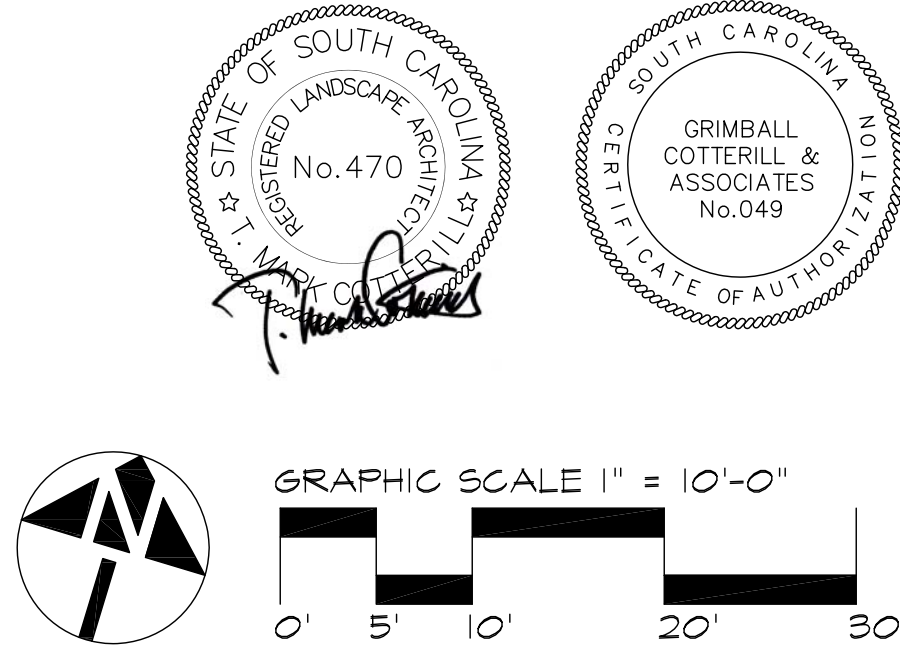
ALL OTHER IRRIGATION

IRRIGATION NOTES

- ALL IRRIGATION TO BE AS SPECIFIED OR APPROVED EQUAL.
- SYSTEM DESIGNED TO RUN AT 23 GPM WITH 65 PSI.
- CONTRACTOR TO COORDINATE WITH OWNER CONCERNING IRRIGATION METER PRIOR TO COMMENCEMENT OF WORK SO AS NOT TO DELAY COMPLETION OF IRRIGATION.
- CONTRACTOR SHALL PERFORM PRESSURE AND FLOW TESTS AT PROPOSED POINT OF CONNECTION PRIOR TO INSTALLATION TO VERIFY THAT ADEQUATE DESIGN CRITERIA IS PRESENT.
- ADJUSTMENT OF SPRINKLER HEADS AND DRIP LINES WILL BE NECESSARY IN THE FIELD.
- DRIP TUBE SYMBOLS AND IRRIGATION PIPING LAYOUT PROVIDED FOR GENERAL LOCATIONS IN THE FIELD ONLY, SYMBOLS DO NOT NECESSARILY PORTRAY AN ACCURATE QUANTITY. THE DESIGN INTENT IS TO PROVIDE 100% HEAD TO HEAD COVERAGE. IF THIS CANNOT BE ACHIEVED, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY.
- UTILIZE EMITTER DISTRIBUTION TUBING AS DETAILED.
- INSTALL AUTO FLUSH VALVES ON DRIP TUBE AT ENDS AS NEEDED TO DRAIN DRIP TUBE AFTER EACH USE.
- ALL DRIP TUBE TO BE INSTALLED UNDER MULCH.
- WHERE IRRIGATION PIPING CROSSES SIDEWALKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING A SLEEVE 2 SIZES LARGER THAN THE CROSSING PIPE.
- IRRIGATION CONTRACTOR TO ADJUST SPRAY PATTERNS TO SURROUNDING PLANT BEDS. OVERSPRAY ONTO BUILDINGS AND SIDE WALKS SHALL BE AVOIDED AS MUCH AS POSSIBLE.

GENERAL NOTES

- EXISTING ECOLOGY AND AESTHETICS WILL OFTEN CAUSE ADJUSTMENT OF THESE PLANS TO FIT THE SITE. STAKE-OUT BY THE CONTRACTOR AND ADJUSTMENT BY THE LANDSCAPE ARCHITECT IS ABSOLUTELY NECESSARY.
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- CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT IF PROPOSED DESIGN IS IN CONFLICT WITH EXISTING OR PROPOSED UTILITIES. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ADJUST PROPOSED DESIGN OR UTILITIES AS NECESSARY TO RESOLVE CONFLICTS.
- BASE PLAN DATA DERIVED FROM SITE SURVEY. PROVIDED BY CHAO & ASSOCIATES DATED MARCH 2013.

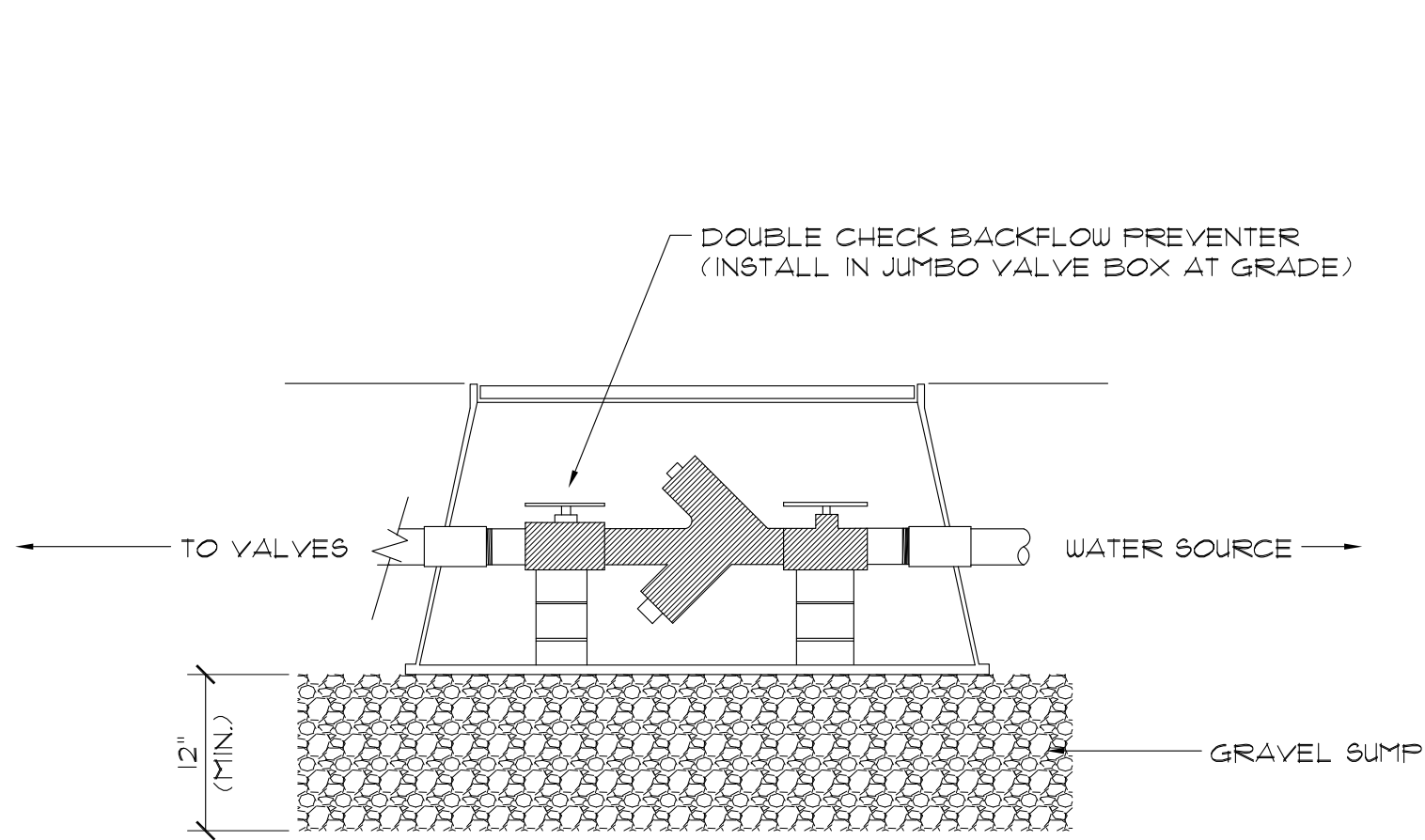


Date	Revisions

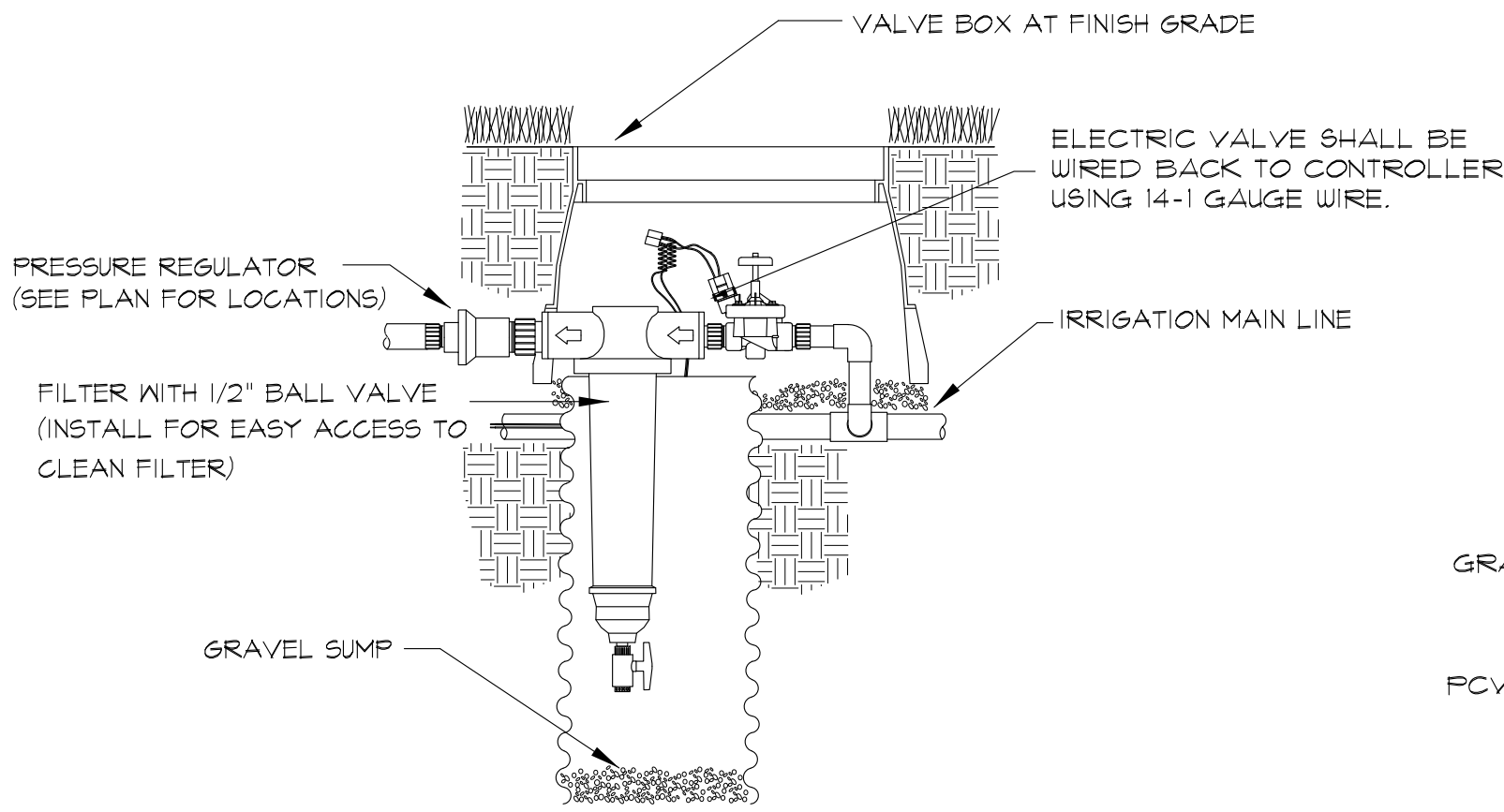
GREENE STREET PEDESTRIAN CORRIDOR
IRRIGATION PLAN
(ALTERNATE #2)

GRIMBALL
& ASSOCIATES
COTTERILL

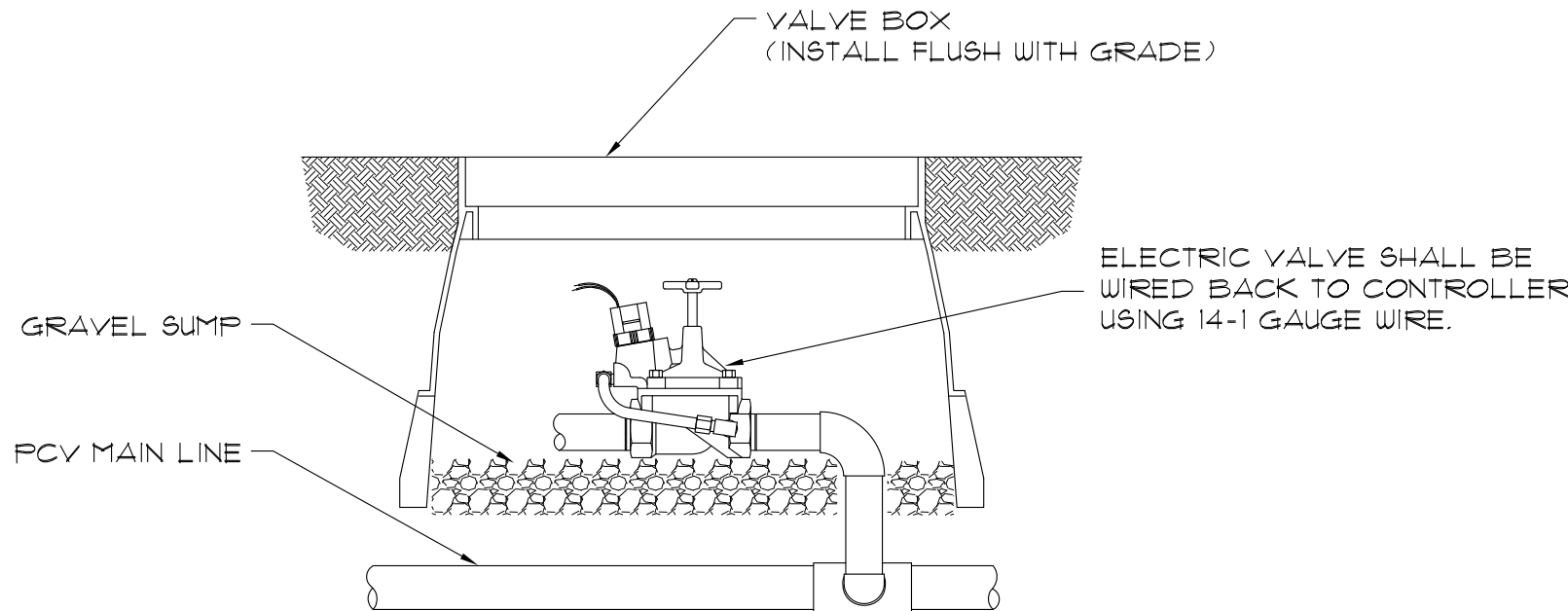
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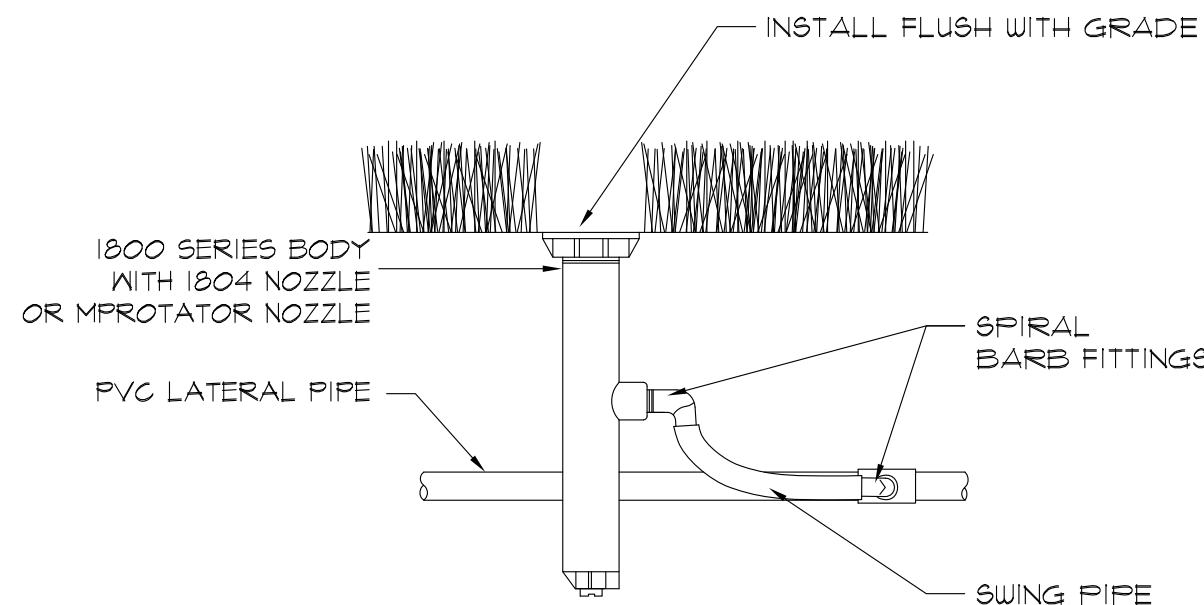
A
I-2
BACKFLOW PREVENTER
SECTION NOT TO SCALE



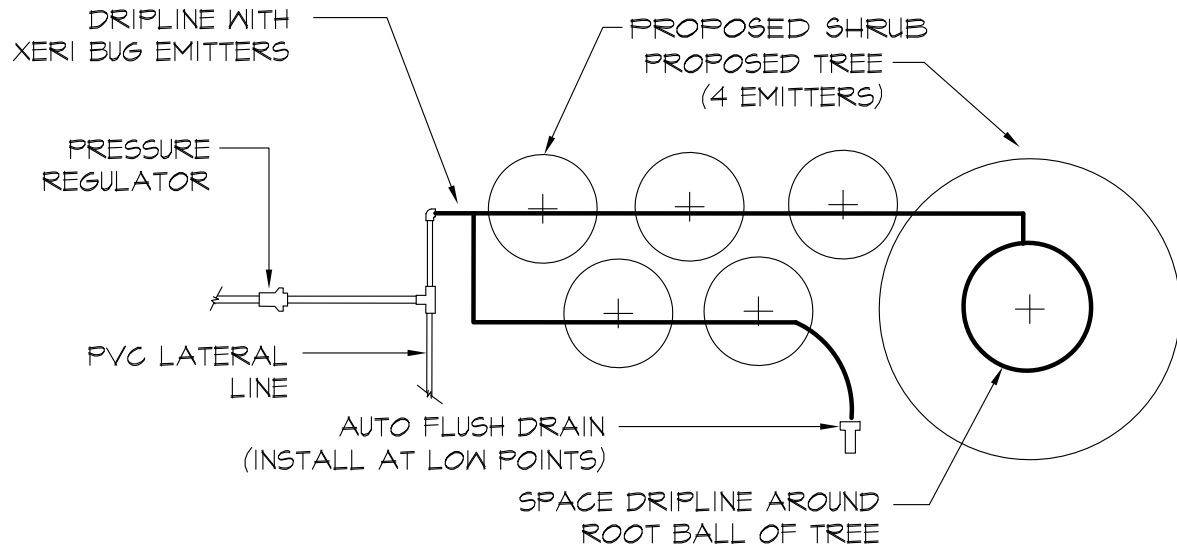
B
I-2
ELECTRIC VALVE-DRIP ZONE
SECTION NOT TO SCALE



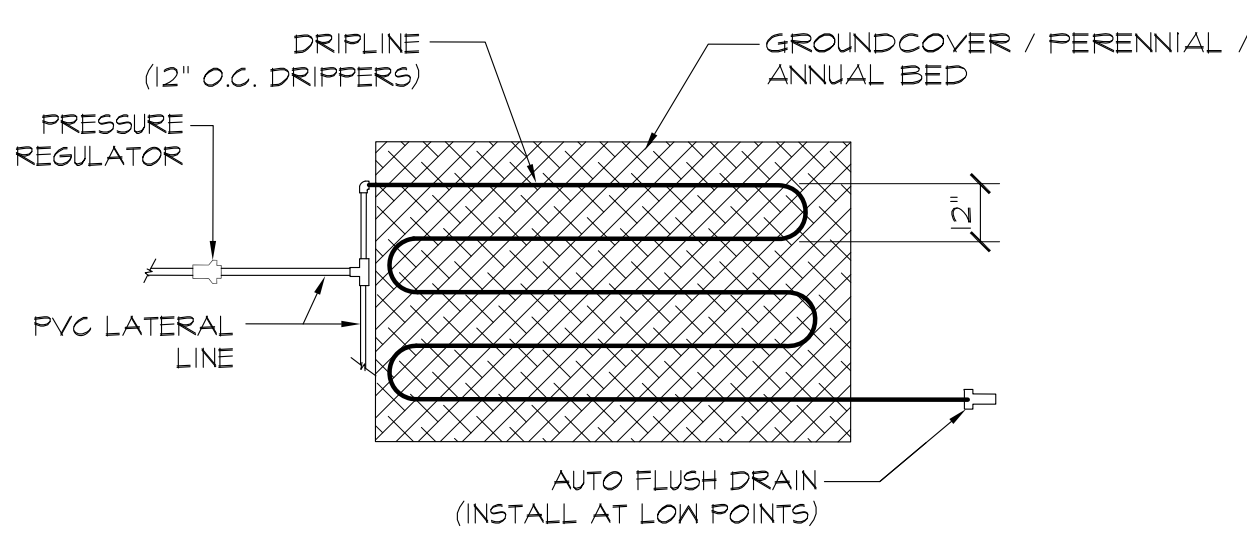
C
I-2
ELECTRIC VALVE
SECTION NOT TO SCALE



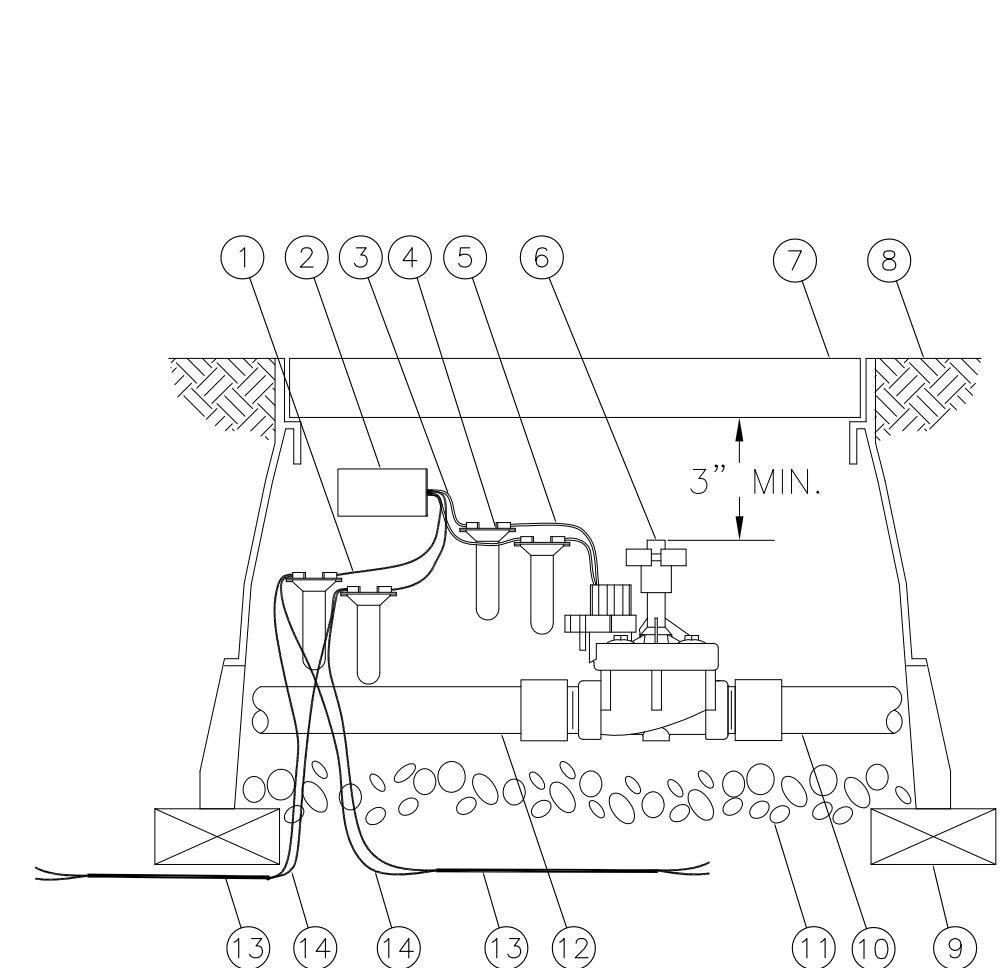
D
I-2
POP-UP SPRAY SPRINKLER
SECTION NOT TO SCALE



E
I-2
DRIPLINE IN SHRUBS
PLAN NOT TO SCALE



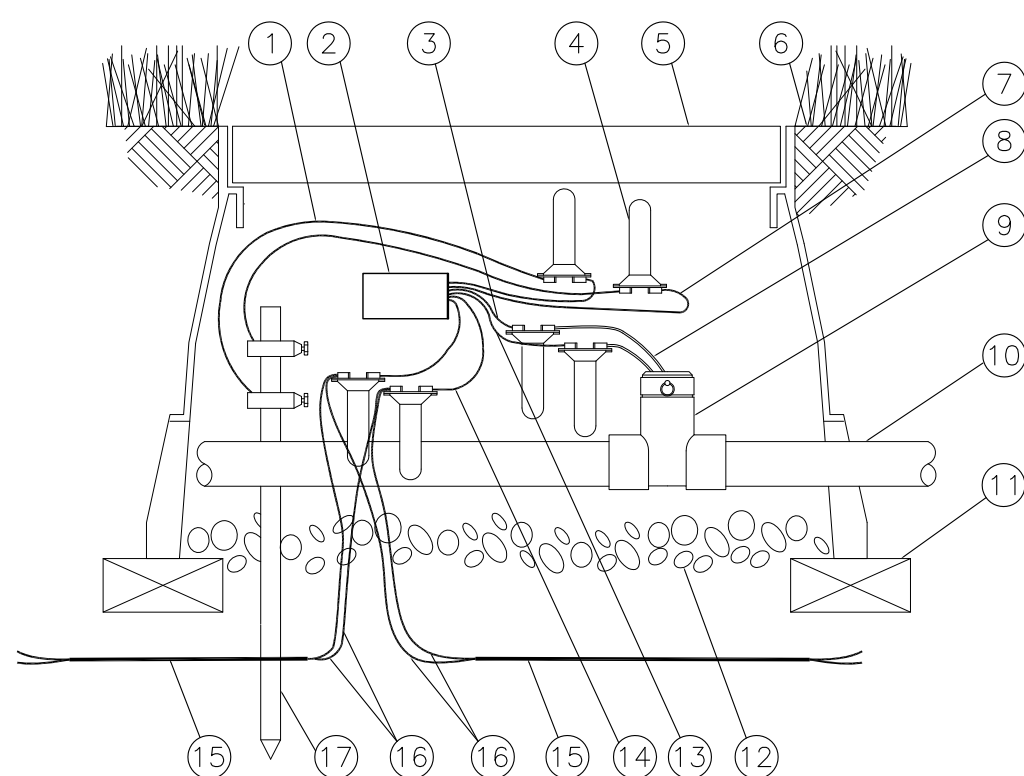
F
I-2
DRIPLINE IN GROUNDCOVER
PLAN NOT TO SCALE



NOTES:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 450 FEET.
2. PLACE 3 FEET OF EXTRA WIRE IN EVERY VALVE BOX FOR EASIER SERVICING.

G
I-2
DECODER CONNECTION TO VALVE
SECTION NOT TO SCALE

- 1 BLUE WIRE FROM FIELD DECODER (1 OF 2)
- 2 FIELD DECODER:
RAIN BIRD FD-101TURF M13011 DECODER
OR FD-102TURF M13004 DECODER
- 3 WHITE WIRE FROM FIELD DECODER (1 OF 2)
- 4 DB SERIES WIRE CONNECTOR:
RAIN BIRD DBTWC25 (1 OF 4)
- 5 SOLENOID WIRE (1 OF 2)
- 6 RAIN BIRD REMOTE CONTROL VALVE
- 7 12-INCH VALVE BOX WITH COVER:
RAIN BIRD VB-STD
- 8 FINISH GRADE OR TOP OF MULCH
- 9 BRICK (1 OF 4)
- 10 PVC MAINLINE PIPE
- 11 3-INCH MINIMUM DEPTH OF 3/4-INCH
WASHED GRAVEL
- 12 PVC LATERAL PIPE
- 13 TWO-WIRE CABLE TO NEXT DEVICE (FIELD
DECODER, SENSOR DECODER, LINE SURGE
PROTECTOR OR ESP-LXD CONTROLLER)
- 14 COMMUNICATION WIRE TO NEXT DEVICE
(FIELD DECODER, SENSOR DECODER, LINE
SURGE PROTECTOR OR ESP-LXD
CONTROLLER)



NOTES:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM DECODER TO RELAY IS 450 FEET.
2. PLACE 3- FEET OF EXTRA WIRE IN VALVE BOX FOR EASY SERVICING.
3. IN A SITE CONTROL DECODER SYSTEM A PULSE TRANSMITTER (PT322) SHOULD BE INSTALLED BETWEEN THE SENSOR DECODER AND THE FLOW SENSOR. THIS IS NOT NEEDED IN AN ESP-LXD CONTROLLER SYSTEM.
4. GROUNDING SHOULD BE TO 10 OHMS OR LESS.

H
I-2
DECODER AND FLOW SENSOR
SECTION NOT TO SCALE

IRRIGATION NOTES

1. ALL PLASTIC PIPE FITTINGS TO BE MINIMUM SCHEDULE 40 PVC.
2. ALL MAIN LINES TO BE SCHEDULE 40 PVC OR SCHEDULE 200 PVC.
3. ALL LATERAL LINES TO BE SCHEDULE 200 PVC OR SCHEDULE 160 PVC.
4. COORDINATE WITH GENERAL CONTRACTOR FOR INSTALLATION OF SCHEDULE 40 PVC PIPE UNDER PAVED SURFACES AS NOTED ON THE DRAWINGS TO BE UTILIZED FOR IRRIGATION SLEEVING. THE LOCATION OF SLEEVING IS MARKED ON THE IRRIGATION PLAN. DEVIATIONS MAY OCCUR DURING CONSTRUCTION.
5. TRENCHES FOR PVC PIPE MAINLINES SHALL BE EXCAVATED TO SUFFICIENT DEPTH OF 18" MINIMUM AND AN SUFFICIENT WIDTH TO PERMIT PROPER HANDLING AND INSTALLATION OF PIPE AND FITTINGS. TRENCHES FOR PVC PIPE LATERAL SPRINKLER LINES SHALL BE EXCAVATED TO SUFFICIENT DEPTH OF 12" MINIMUM AND AN SUFFICIENT WIDTH TO PERMIT PROPER HANDLING AND INSTALLATION OF PIPE AND FITTINGS.
6. ALL CONTROL VALVES SHALL BE INSTALLED IN A VALVE BOX IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
7. ALL WIRING TO BE USED FOR CONNECTING THE AUTOMATIC REMOTE CONTROL VALVE TO THE AUTOMATIC CONTROLLERS SHALL BE TYPE "UF" 14-1, STRANDED OR SOLID COPPER, SINGLE CONDUCTION WIRE WITH PVC INSULATION AND BEAR UL APPROVAL FOR DIRECT UNDERGROUND BURIAL FEEDER CABLE. WIRE CONNECTIONS TO REMOTE CONTROL ELECTRIC VALVES AND SPLICES OF WIRE IN THE FIELD SHALL BE PEN-TITE WIRE CONNECTORS OR APPROVED EQUAL AND SCALING CEMENT.
8. THE IRRIGATION CONTRACTOR SHALL CONNECT ALL VALVE WIRING TO A SPECIFIED CONTROLLER LOCATED AS NOTED ON THIS PLAN.
9. ALL CONTROL VALVE CABLES SHALL BE INSTALLED BY DIRECT BURIAL AT A MINIMUM DEPTH OF 12", WHERE PRACTICAL, THE WIRE SHALL BE INSTALLED IN THE SAME TRENCH AS THE MAINLINE PIPE.
10. AFTER COMPLETION OF THE PIPING INSTALLATION, THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" DRAWING SHOWING ALL SPRINKLER HEADS, VALVES, DRAINS AND PIPE LINES TO SCALE WITH DIMENSIONS WHERE REQUIRED. INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING EQUIPMENT WILL BE BOUND INTO A FOLDER AND FURNISHED TO THE OWNER IN DUPLICATE.
11. FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK PERFORMED UNDER THIS CONTRACT, THE CONTRACTOR SHALL PROMPTLY FURNISH, WITHOUT COST TO THE OWNER, ANY AND ALL PARTS AND LABOR WHICH PROVE DEFECTIVE IN MATERIAL OR WORKMANSHIP.
12. DURING THE LAST MONTH OF THE GUARANTEE PERIOD, THE LANDSCAPE ARCHITECT AND CONTRACTOR SHALL INSPECT THE INSTALLATION TO DETERMINE THE CONDITION OF THE COMPLETE SYSTEM. A LIST OF DEFECTIVE MATERIALS OR INSTALLATIONS TO BE REPLACED SHALL BE MADE BY THE CONTRACTOR WITHIN THIRTY DAYS OF RECEIVING WRITTEN NOTIFICATION. REPLACED MATERIALS AND INSTALLATION SHALL BE IN ACCORD WITH THESE SPECIFICATIONS, DRAWINGS AND OR SCHEDULES.

- 1 GREEN/YELLOW WIRE FROM SD-210TURF TO GROUNDING
ROD BRASS CLAMP (1 OF 2)
- 2 SENSOR DECODER:
RAIN BIRD SD-210TURF M13009 SENSOR DECODER
- 3 RED WIRE FROM SD-210TURF TO FLOW SENSOR
- 4 DB SERIES WIRE CONNECTOR:
RAIN BIRD DBTWC25 (1 OF 6)
- 5 12-INCH VALVE BOX WITH COVER:
RAIN BIRD VB-STD
- 6 FINISH GRADE OR TOP OF MULCH
- 7 GROUND WIRE FROM SD-210TURF TO DB SERIES WIRE
CONNECTOR (1 OF 2)
- 8 FLOW SENSOR WIRE (1 OF 2)
- 9 FLOW SENSOR
- 10 PVC MAINLINE PIPE
- 11 BRICK (1 OF 4)
- 12 3-INCH MINIMUM DEPTH OF 3/4-INCH
WASHED GRAVEL
- 13 BLACK WIRE FROM SD-210TURF TO FLOW SENSOR
- 14 BLUE WIRE FROM SD-210TURF (1 OF 2)
- 15 TWO-WIRE CABLE TO NEXT DEVICE
(FIELD DECODER, SENSOR DECODER, LINE SURGE
PROTECTOR OR ESP-LXD CONTROLLER)
- 16 COMMUNICATION WIRE TO NEXT DEVICE
(FIELD DECODER, SENSOR DECODER, LINE SURGE
PROTECTOR, OR ESP-LXD CONTROLLER)
- 17 GROUNDING ROD

Date	Revisions

GREENE STREET PEDESTRIAN CORRIDOR
IRRIGATION DETAILS
(ALTERNATE #2)

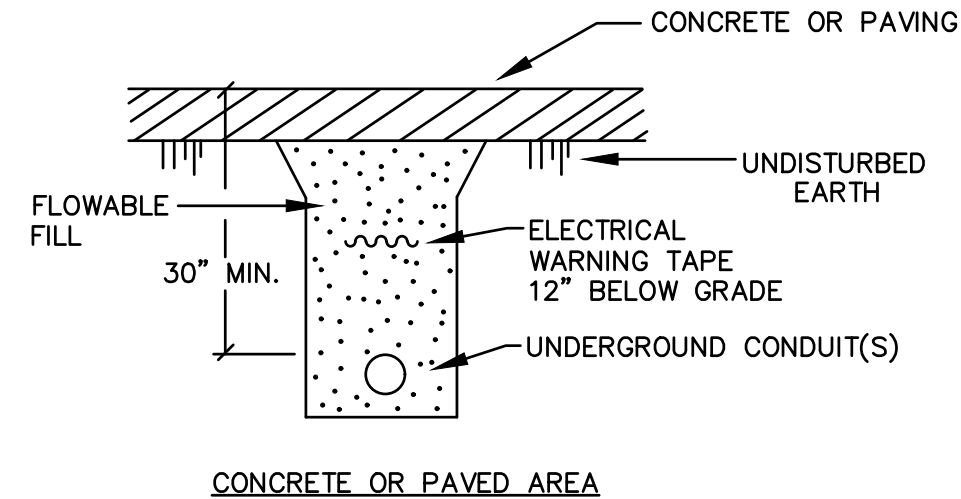
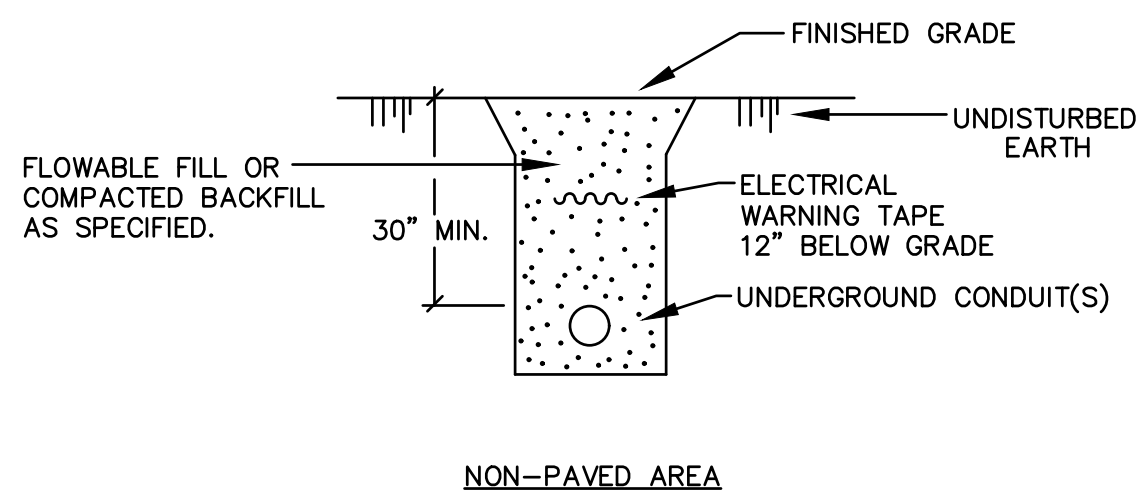
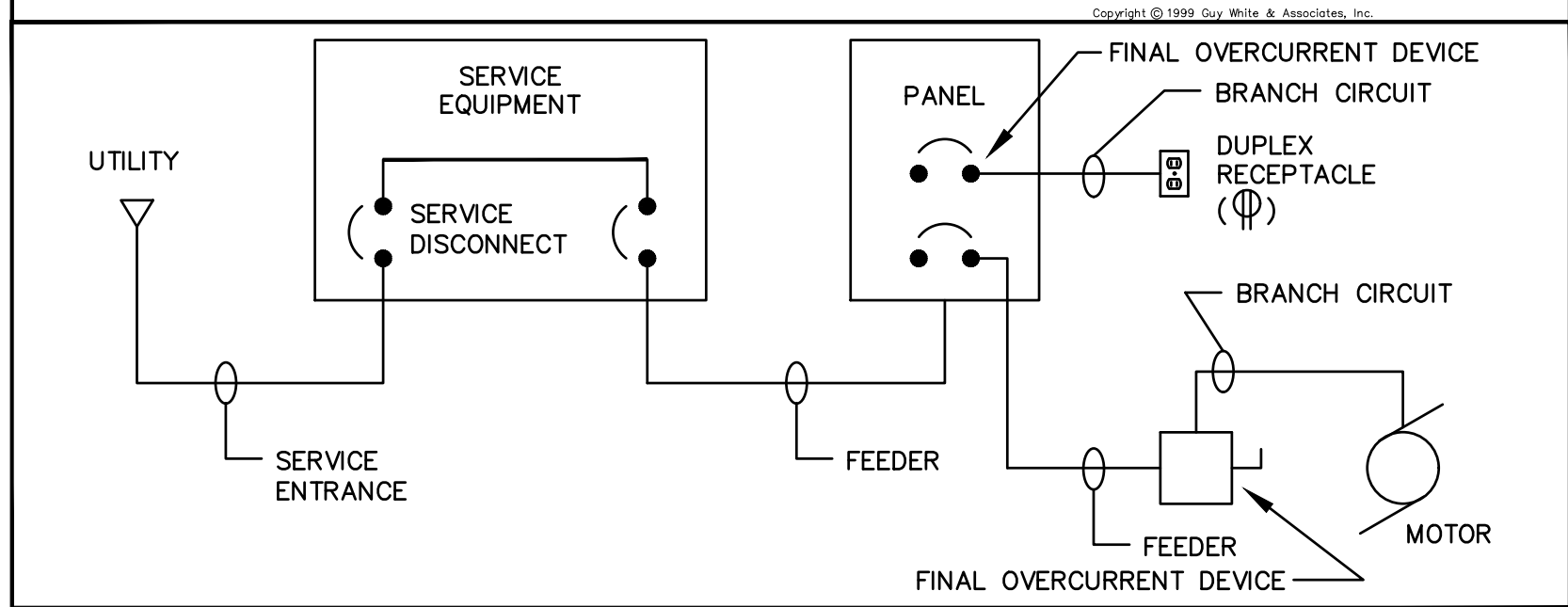
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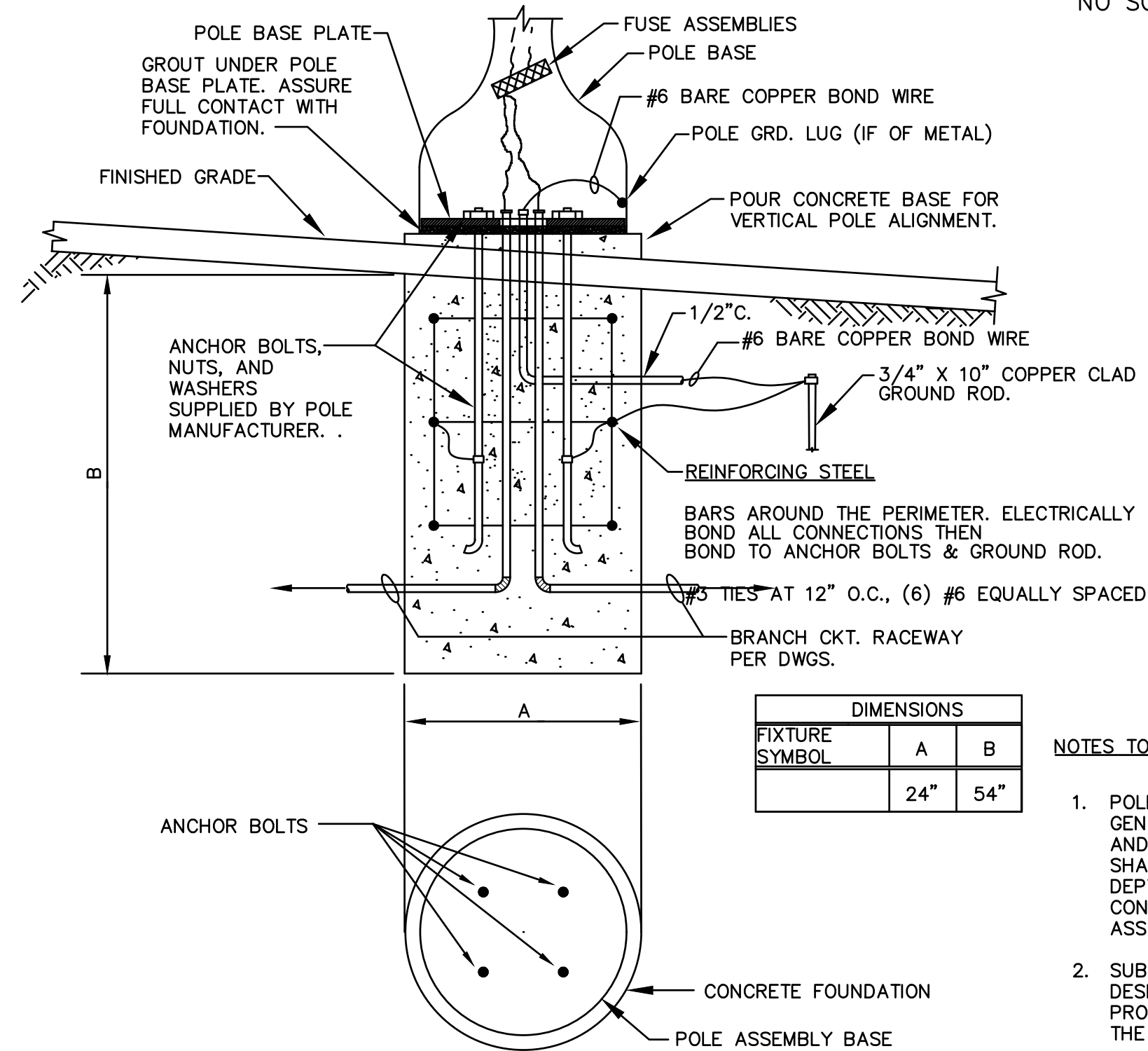
RACEWAY MATERIAL USE TABLE

APPLICATION	RACEWAY MATERIAL						
	EMT	IMC	GRS	40 PVC	ENT	AC/MC CABLE	MFD. WIRING
CONTRACTOR MAY USE ANY MATERIAL MARKED (●) FOR APPLICATION LISTED. IF MATERIAL IS NOT MARKED FOR AN APPLICATION, IT SHALL NOT BE USED FOR THAT APPLICATION.							
CONCEALED ABOVE CEILING	●	●	●				
CONCEALED IN WALLS	●	●	●				
EXPOSED FROM FLOOR TO 7'-0" A.F.F. (INTERIOR)		●	●				
EXPOSED FROM 7'-0" A.F.F. AND ABOVE (INTERIOR)	●				NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
IN OR UNDER CONCRETE FLOORS		(1)	(1)	●	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
OUTDOORS - BELOW GRADE		(1)	(1)	●	NOT PERMITTED	NOT PERMITTED	NOT PERMITTED
OUTDOORS - EXPOSED		●	●				
STUB-UPS BELOW PANELS & ENCLOSURES		●	●				
FEEDER CONDUITS		●	●	(2)			
SERVICE ENTRANCE			●	(2)			
(1) WITH BITUMINOUS COATING. SEE SPEC.							
(2) OUTDOORS - BELOW GRADE.							



UNDERGROUND CONDUIT NOT IN A DUCTBANK

NO SCALE



BASE: CONCRETE, 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI, EXCEPT TRAFFIC ARM POLES WHICH SHALL BE 5000 PSI.

TYPICAL POLE ASSEMBLY CONCRETE FOUNDATION DETAIL

NO SCALE

ABBREVIATIONS

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THE FOLLOWING STANDARD ABBREVIATIONS ARE USED IN THESE PLANS AND SPECIFICATIONS. CONTRACTOR IS CAUTIONED THAT ALL ABBREVIATIONS LISTED MAY NOT BE USED; CONSULT PLANS AND SPECIFICATIONS FOR ABBREVIATIONS APPLICABLE TO THIS PROJECT.

A.F.F. ABOVE FINISHED FLOOR
B.F.F. BELOW FINISHED FLOOR
A.F.G. ABOVE FINISHED GRADE
B.F.G. BELOW FINISHED GRADE
U.N.O. UNLESS NOTED OTHERWISE
CKT. CIRCUIT
C. CONDUIT
E.C. EMPTY CONDUIT
FLX. FLEXIBLE CONDUIT
WFLX WEATHERPROOF FLEXIBLE CONDUIT

BRANCH CIRCUIT WIRING - HASHMARK CODE

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NO SCALE

BRANCH CIRCUITS SHOWN ON THESE DRAWINGS MAY INCLUDE HASHMARKS WHICH INDICATE THE NUMBER OF WIRES TO BE PROVIDED IN A CONDUIT RUN BETWEEN OUTLETS OR JUNCTION BOXES. WIRE SIZES SHALL BE AS TABULATED IN PANELBOARD SCHEDULES UNLESS OTHERWISE INDICATED ON PLAN. SEE SYMBOL SCHEDULE FOR CONDUIT ROUTING NOTATION. HASHMARK CODE IS AS FOLLOWS:

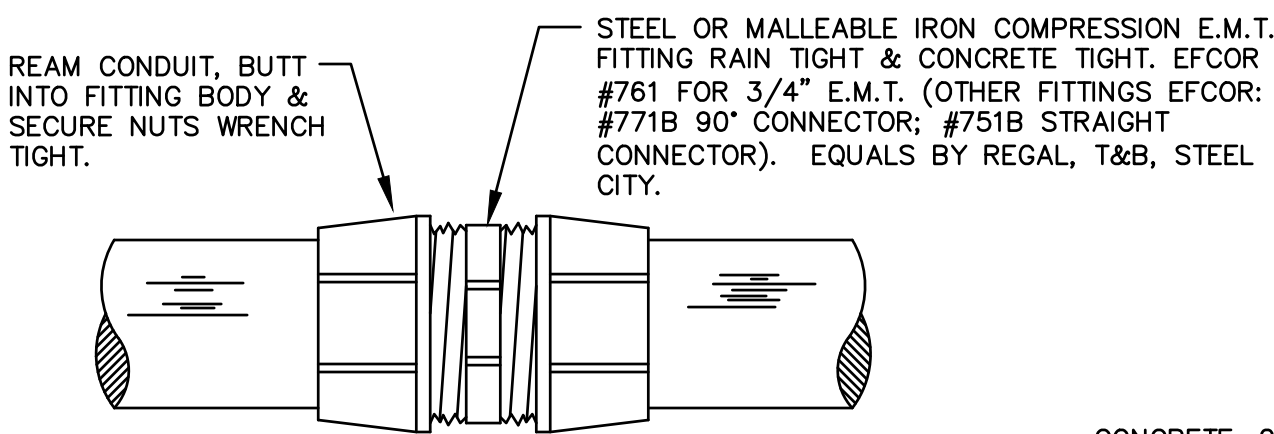
EACH PHASE AND NEUTRAL WIRE IN A CONDUIT RUN IS REPRESENTED BY A HASHMARK. FOR EXAMPLE -

→ TWO WIRES (NO HASHMARKS)
/// THREE WIRES (3 HASHMARKS)
//// FOUR WIRES (4 HASHMARKS)
///// FIVE WIRES (5 HASHMARKS)
... AND SO FORTH.

NOTE: GROUND WIRES ARE NOT GENERALLY SHOWN. EXAMINE SPECIFICATIONS AND GENERAL NOTES TO DETERMINE REQUIREMENTS FOR GROUND WIRES AND WHERE SPECIFIED, PROVIDE IN ADDITION TO THE NUMBER OF WIRES INDICATED BY HASHMARK CODE.

NOTE: CONTRACTOR IS CAUTIONED THAT MULTIWIRE (LINE-TO-NEUTRAL) BRANCH CIRCUITS DO NOT INDICATE ALL REQUIRED NEUTRAL CONDUCTORS. PROVIDE SEPARATE NEUTRAL CONDUCTORS (WITH COLORED STRIPE TO MATCH PHASE CONDUCTOR) FOR EACH PHASE CONDUCTOR.

EMPTY CONDUITS ARE NOTED BY "EC" WITH TRADE SIZE.



COMPRESSION TYPE CONDUIT FITTING

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NO SCALE

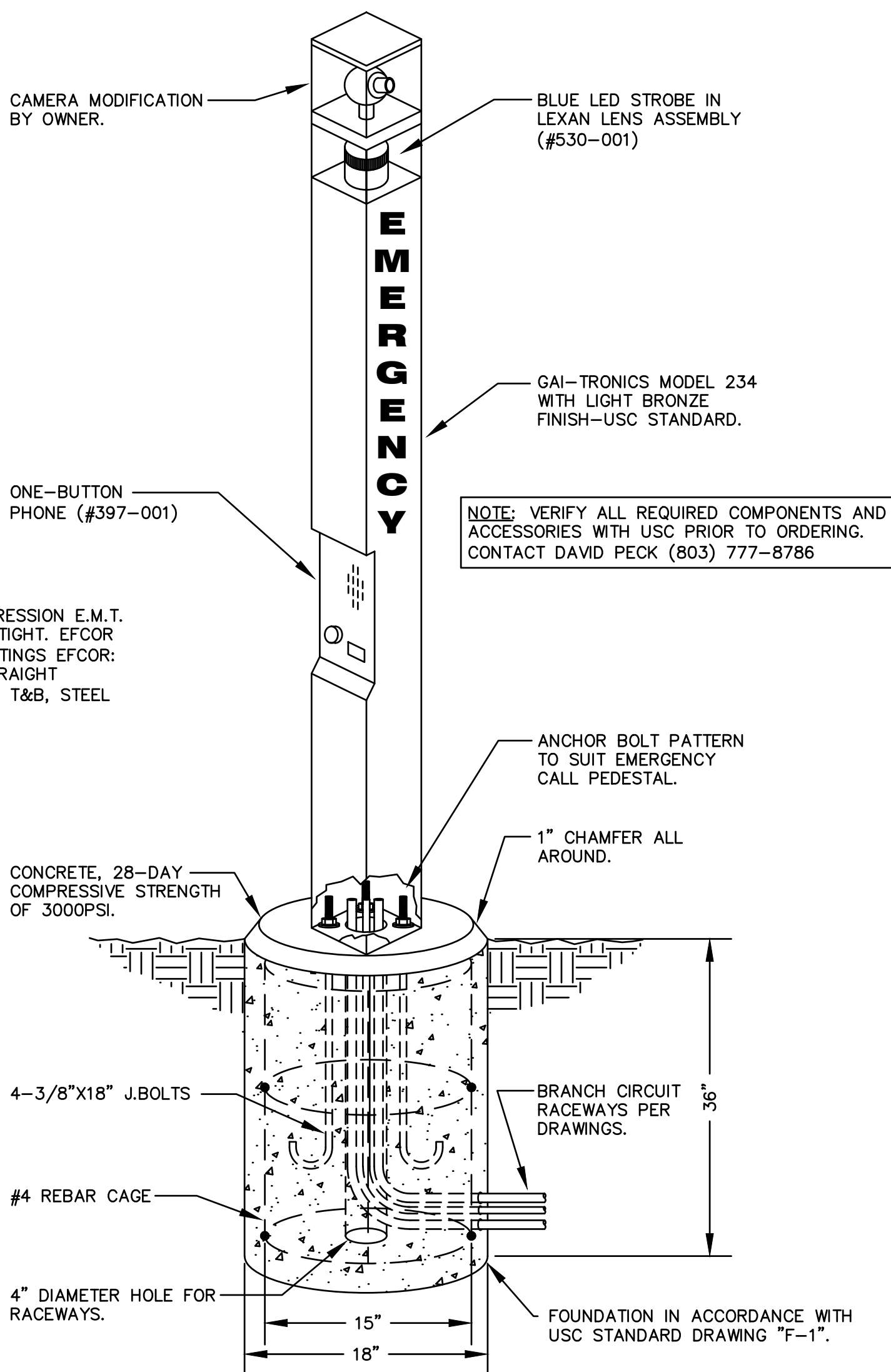
NOTES TO POLE ASSEMBLY CONCRETE FOUNDATION DETAIL

- POLE FOUNDATION DETAIL INDICATED IS FOR GENERAL REFERENCE FOR CONSTRUCTION METHOD AND GROUNDING REQUIREMENTS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, COMPONENTS, DEPTH AND OTHER REQUIREMENTS WITH SOIL CONDITIONS AND PROVIDE A COMPLETE POLE ASSEMBLY CONCRETE FOUNDATION DESIGN.
- SUBMIT DESIGN WITH FIXTURE SHOP DRAWINGS. DESIGN SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER LICENCED TO PRACTICE IN THE STATE OF SOUTH CAROLINA.
- DESIGN SHALL BE IN ACCORDANCE WITH APPLICABLE AASHTO, SCDOT AND USC.
- VERIFY ALL POLE BASE/FIXTURE LOCATIONS WITH USC AND CIVIL ENGINEER PRIOR TO INSTALLATION.

GENERAL NOTES

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- DO NOT SCALE DRAWINGS UNLESS DIMENSIONS ARE SHOWN. LOCATE LIGHTING FIXTURES AND EQUIPMENT AS OBVIOUSLY INDICATED AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. SEE CIVIL PLANS.
- MINIMUM SIZE CONDUCTOR FOR POWER SHALL BE NO. 12 AWG. ALL CONDUCTORS SHALL BE COPPER.
- ALL FUSES SHALL BE DUAL-ELEMENT TYPE, "FUSETRON" BY BUSSMAN, OR "ECON" BY ECONOMY.
- BRANCH CIRCUIT SIZES ARE AWG 12-3/4" C. UNLESS OTHERWISE NOTED IN PANELBOARD SCHEDULES.
- ALL BRANCH CIRCUIT LOADS SHALL BE BALANCED ACROSS PANELBOARD BUSES TO OBTAIN MINIMUM NEUTRAL CURRENT.
- ALL FLEXIBLE CONDUIT SHALL CONTAIN A GREEN WIRE BONDED TO RIGID RACEWAY, BOX OR FIXTURE AT EACH END OF FLEX. SIZE GROUND WIRE PER N.E.C. TABLE 250-122.
- CONTRACTOR IS CAUTIONED THAT WORK SHALL BE COMPLETED IN PHASES AS REQUIRED TO MAINTAIN USE OF STREETS, SIDEWALKS, BUSINESSES AND THE LIKE. REFER TO LANDSCAPE ARCHITECT AND CIVIL PLANS FOR PHASING OF WORK.
- ALL WORK SHALL COMPLY WITH NFPA, ADA, AASHTO, SCDOT, CITY OF COLUMBIA AND ALL OTHER APPLICABLE CODES AND STANDARDS.
- SEE CIVIL AND UTILITY PLANS FOR DUCTBANKS, MANHOLES, HANDHOLES AND ADDITIONAL NEW UTILITIES. VERIFY EXACT LOCATIONS OF HANDHOLES, RISER POLES, PEDASTALS AND THE LIKE WITH UTILITIES.
- NEW DUCTBANK WITH MANHOLES, HANDHOLES, SPLICE VAULTS, TRAFFIC INFRASTRUCTURE AND OTHER UTILITIES ARE INDICATED ON CIVIL PLANS.
- CONDUIT ROUTING SHOWN DOES NOT INDICATE PATH OF ROUTING-SHOWN FOR CLARITY ONLY. ROUTE CONDUITS IN R.O.W. SEE CIVIL PLANS.
- COORDINATE ALL NEW METER POINT LOCATIONS AND SERVICE LOCATIONS WITH SCE&G PRIOR TO BIDDING.
- ALL CONDUIT ELBOWS BELOW GRADE SHALL BE BITUMINOUS COATED GRS.
- IF REQUIRED TO SUIT LUGS, PROVIDE HYDRAULIC CRIMP TYPE WIRE REDUCERS IN METER CENTER AS REQUIRED TO CONNECT FEEDER CONDUCTORS TO CONTACTOR/CIRCUIT BREAKERS.
- MINIMUM COVER FOR LIGHTING, TRAFFIC CONTROL AND IRRIGATION POWER CIRCUITS SHALL BE 30".
- CONTRACTOR IS CAUTIONED THAT THESE PLANS ARE DIAGRAMMATIC ONLY AND THAT EXACT LOCATIONS AND ROUTINGS FOR NEW WORK SHALL BE AS OBVIOUSLY INDICATED AND AS DIRECTED BY OWNER, WITH MODIFICATIONS AS REQUIRED TO AVOID CONFLICTS IN THE FIELD. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND



USC STANDARD EMERGENCY CALL BOX

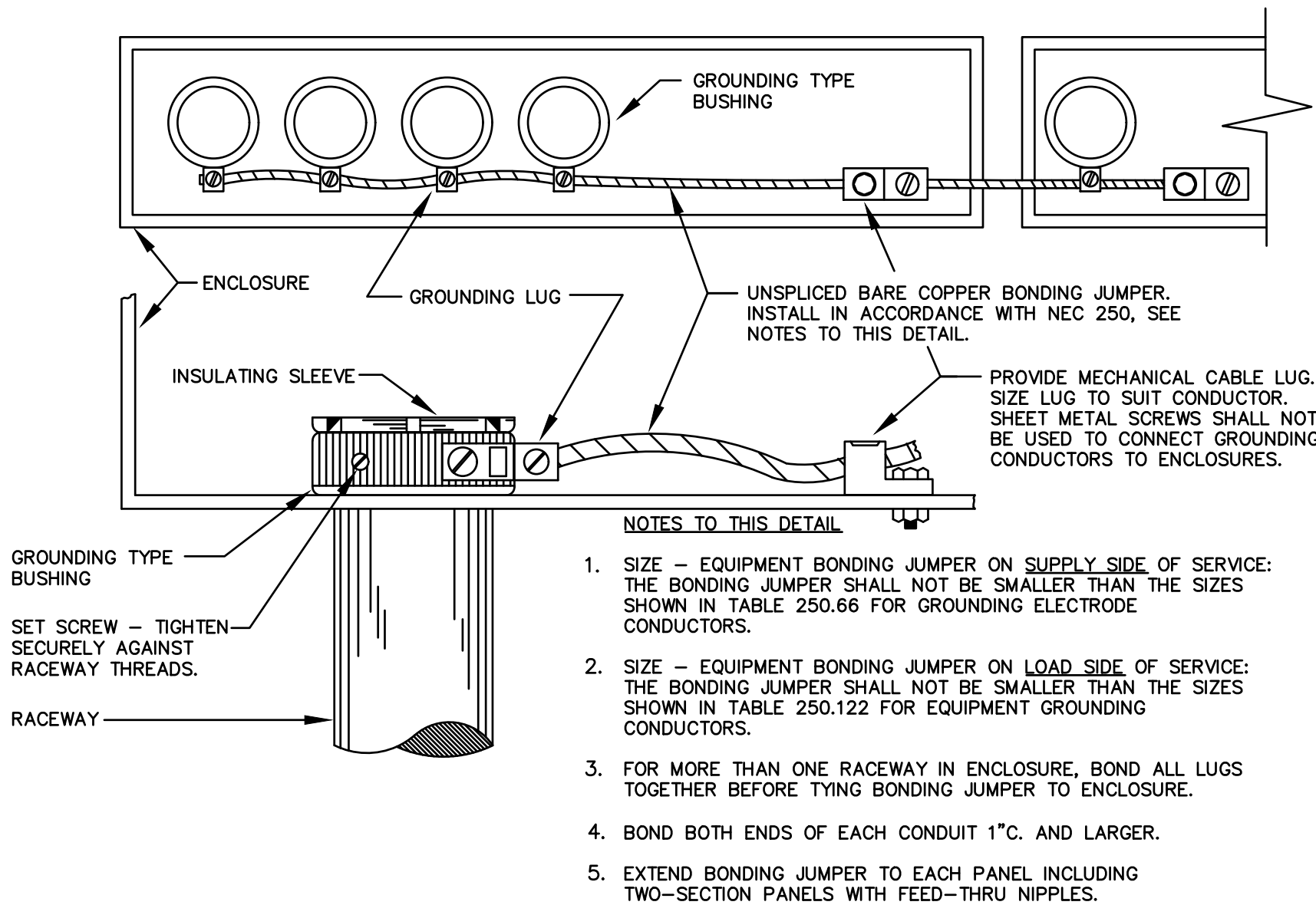
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NO SCALE

ELECTRICAL SYMBOLS

○	OUTDOOR LIGHTING STANDARD & FIXTURE	□	PUSHBUTTON
○	OUTDOOR LIGHTING STANDARD & FIXTURE	□	BUZZER, BELL OR CHIME
□	TRANSFORMER	⊕	CONNECTION TO EXISTING CIRCUIT
□	PANELBOARD	⊕	BRANCH CIRCUIT RACEWAY - CONCEALED IN WALL OR CEILING
□	SAFETY SWITCH	⊕	BRANCH CIRCUIT RACEWAY - CONCEALED IN FLOOR OR UNDERGROUND
⊕	FLUSH JUNCTION BOX CEILING (⊕-1 WALL)	⊕	BRANCH CIRCUIT RACEWAY - EXPOSED
⊕	PULL BOX OR JUNCTION BOX IN FLOOR	⊕	TYPICAL: SYMBOLS DENOTE EXISTING. REMOVE COMPLETE.
⊕	CONDUIT STUB	⊕	TYPICAL: "X" ON PLAN SYMBOLS DENOTES EXISTING. REMOVE COMPLETE.
⊕	DUPLEX RECEPTACLE (⊕-HIGH MOUNT)		
⊕	WEATHERPROOF DUPLEX RECEPTACLE. 16" UP		
⊕	GROUND FAULT INTERRUPTER RECEPTACLE		
⊕	EMERGENCY CALL BOX		
EX	EXISTING; TO REMAIN		
ER	EXISTING; BEING RELOCATED		
EN	EXISTING; NEW LOCATION		

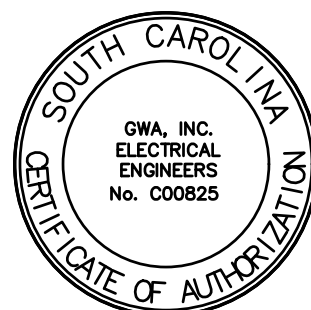
NOTE: ALL DEVICES SHOWN ON THIS SCHEDULE ARE SYMBOLIC ONLY. SEE ELECTRICAL SPECIFICATIONS FOR EXACT DEVICE REQUIREMENTS AND PERFORMANCE CHARACTERISTICS.



GROUNDING OF CONDUITS 1" C. AND LARGER

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NO SCALE



GWA: 16-3074

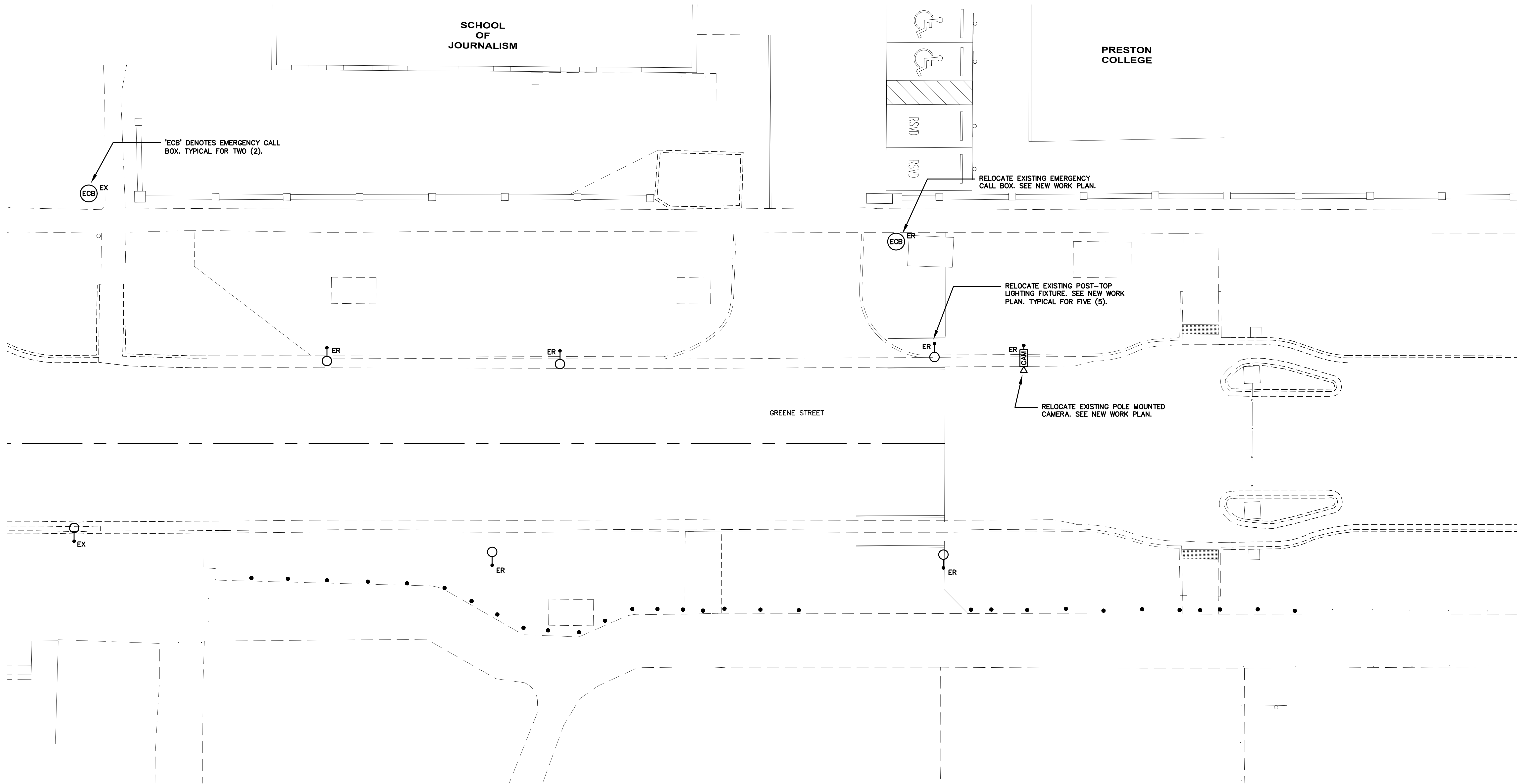
GWA inc.
Electrical Engineers

Midlands Office - Main
168 Laurelhurst Avenue
Columbia, SC 29210
(803)252-6919
Fax (803)799-5494
gwa@gwainc.net
http://www.gwainc.net

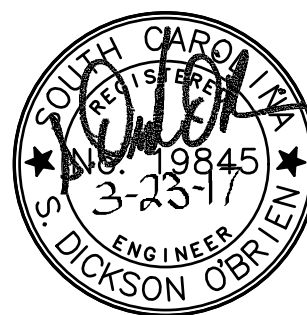
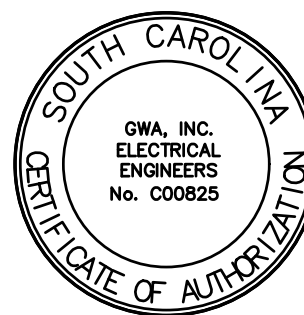
GRIMBALL & ASSOCIATES
GREENE STREET PEDESTRIAN IMPROVEMENTS
ELECTRICAL NOTES, SCHEDULES, AND DETAILS
COTTERILL

LANDSCAPE ARCHITECTS & LAND PLANNERS
600 BELTLINE BOULEVARD COLUMBIA, SC 29205 (803)738-9525

Drawn by:	CAW
Checked by:	SDO
Date:	3/23/17
Drawing No.	E001
Sheet No.	1 OF 3



ELECTRICAL SITE DEMOLITION PLAN
SCALE: 1" = 10'-0"





GWA
inc.
Electrical Engineers

GWA: 16-3074

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168 Laurelhurst Avenue
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(803)252-6919
Fax (803)799-5494
gwa@gwainc.net
http://www.gwainc.net

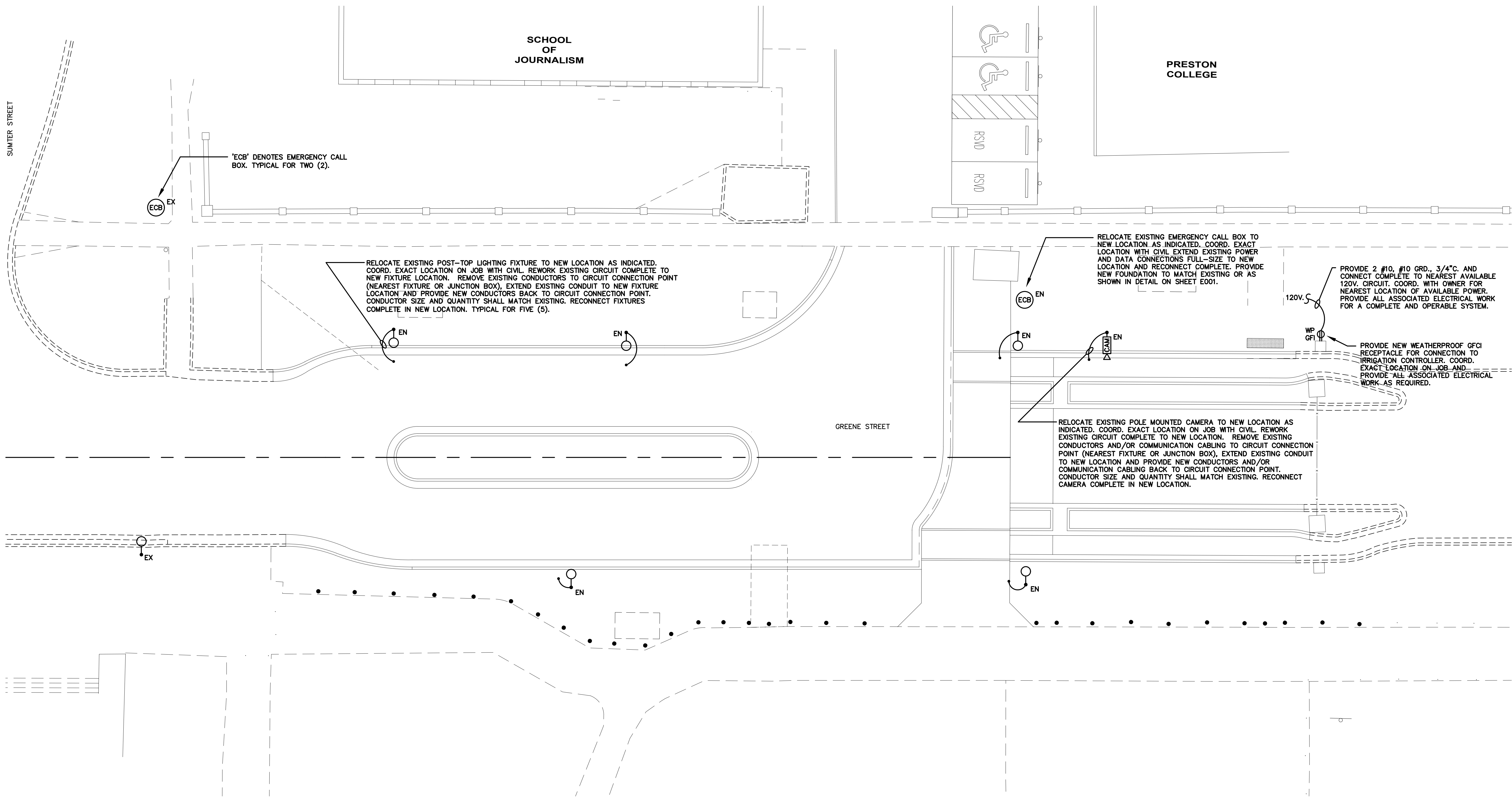
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GREENE STREET PEDESTRIAN IMPROVEMENTS
ELECTRICAL SITE DEMOLITION PLAN

GRIMBALL
& ASSOCIATES
COTTERILL

LANDSCAPE ARCHITECTS & LAND PLANNERS
600 BELTLINE BOULEVARD COLUMBIA, SC 29205 (803)738-9525
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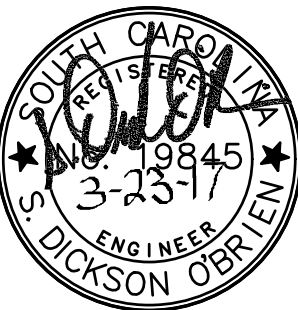
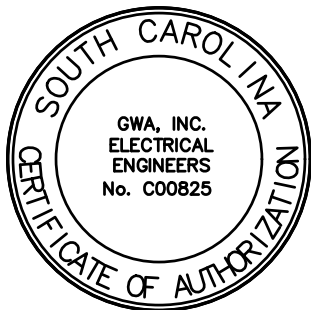
Drawn by:	CAW
Checked by:	SDO
Date:	3/23/17
Drawing No.	ES100
Sheet No.	OF 3



ELECTRICAL SITE PLAN - NEW WORK
SCALE: 1" = 10'-0"



KEY PLAN
SCALE: 1"=1000'



GWA
inc.
Electrical Engineers

GWA: 16-3074

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GRIMBALL & ASSOCIATES
COTTERILL
GREENE STREET PEDESTRIAN IMPROVEMENTS
ELECTRICAL SITE PLAN - NEW WORK

LANDSCAPE ARCHITECTS & LAND PLANNERS
600 BELTLINE BOULEVARD COLUMBIA, SC 29205 (803)738-9525

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Drawn by:	CAM
Checked by:	SDO
Date:	3/23/17
Drawing No.	ES101
Sheet No.	OF 3



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-047 - Amending Ordinance No.: 2015-016 Granting an encroachment to the University of South Carolina for the use of the right of way areas of the 600 and 700 blocks of Park Street, 900 block of Greene Street, 600 and 700 blocks of Lincoln Street, 900 block of Blossom Street, 900 block of Devine Street for installation and maintenance of sidewalks, curbing, guttering, landscaping and an irrigation system adjacent to the West Campus Development, Phases 1 and 1 A, Richland County TMS #08914-18-01, 08915-09-01, 08915-10-01 to incorporate the amendments to the landscaping and irrigation plan dated March 3, 2017

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** 2017-047 amend 2015-016 encroach USC student housing Park-Greene-Lincoln-Devine Packet.pdf - Adobe Acrobat Pro (PDF)

ORDINANCE NO.: 2017-047

Amending Ordinance No.: 2015-016 Granting an encroachment to the University of South Carolina for the use of the right of way areas of the 600 and 700 blocks of Park Street, 900 block of Greene Street, 600 and 700 blocks of Lincoln Street, 900 block of Blossom Street, 900 block of Devine Street for installation and maintenance of sidewalks, curbing, guttering, landscaping and an irrigation system adjacent to the West Campus Development, Phases 1 and 1 A, Richland County TMS #08914-18-01, 08915-09-01, 08915-10-01 to incorporate the amendments to the landscaping and irrigation plan dated March 3, 2017

WHEREAS, by Ordinance No.: 2015-016 enacted on March 17, 2015, the Mayor and City Council granted the University of South Carolina (hereinafter "Grantee") the right to use a portion of the right of way areas of the 600 block of Park Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately forty (40') feet in width twenty (20') feet in length; and guttering, landscaping and an irrigation system; 700 block of Park Street for installation and maintenance of a sidewalk approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width fifteen (15') feet in length; and guttering, landscaping and an irrigation system; 900 block of Greene Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 600 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 700 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Blossom Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Devine Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width forty (40') feet in length; guttering, landscaping and an irrigation system; as shown on the attached drawings; and,

WHEREAS, Grantee desires to incorporate the amended landscaping and irrigation design as shown on a plan entitled "USC Park Street Parking Lot Landscaping Plan dated March 3, 2017" into their encroachment ordinance, as shown on the attached drawing; and,

WHEREAS, it appears that the amended landscaping and irrigation encroachment will not interfere with the use of the medians or street for traffic, utility locations or other uses within the foreseeable future; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017, that Grantee's amended landscaping and irrigation design as shown on a plan entitled "USC Park Street Parking Lot Landscaping Plan dated March 3, 2017" into their encroachment ordinance, as shown on the attached drawing is hereby incorporated and Grantee is hereby granted the continued right to use the right of way areas of the 600 block of Park Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately forty (40') feet in width twenty (20') feet in length; and guttering, landscaping and an irrigation system; 700 block of Park Street for installation and maintenance of a sidewalk approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width fifteen (15') feet in length; and guttering, landscaping and an irrigation system; 900 block of Greene Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 600 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 700 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in

length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Blossom Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Devine Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width forty (40') feet in length; guttering, landscaping and an irrigation system; as shown on the attached drawings.

ALL WORK SHALL COMPLY with the requirements of The City of Columbia, South Carolina Department of Transportation and Federal Emergency Management Agency (FEMA) now in existence or hereafter enacted. The materials and type of finish to be used are to be approved by the City Engineer prior to installation. Any damage to the street or sidewalk caused by construction shall be repaired to the satisfaction of the City Manager. Improvements within the encroachment shall be maintained by the grantee at no cost to the City in a manner approved by the City Manager.

PROVIDED FURTHER that the privilege granted hereby is subject to the Grantee complying with the following conditions, restrictions or limitations:

1. All conditions of Encroachment Ordinance No.: 2015-016 remain in full force and effect;
1. Irrigation must be designed to avoid spraying walkways, sidewalks and streets and/or creating hazardous conditions upon the walkways, sidewalks and streets; and,
2. All trees shall be protected; and,
3. Grantee is responsible for all maintenance and assuring that all accessibility and ADA requirements are met and maintained; and,
4. Grantee is to coordinate existing and proposed crosswalks, ramps and curb cuts to insure proper alignment.

PROVIDED FURTHER that the privilege granted hereby may be modified or terminated by Columbia City Council at any time without notice to the Grantee, its successors and assigns.

BE IT FURTHER ORDAINED that Grantee, in consideration of the above privilege, shall at its expense provide for protection and relocation of all utilities that might be within this area to the satisfaction of the City Manager.

Requested by:

Assistant City Manager Gentry

Mayor

Approved by:

City Manager

Approved as to form:


Senior Assistant City Attorney
Introduced:
Final Reading:

ATTEST:

City Clerk

**CITY COUNCIL
ENCROACHMENT SUMMARY
2017-047**



**600 AND 700 BLOCKS OF PARK STREET, 900 BLOCK OF GREENE STREET,
600 AND 700 BLOCKS OF LINCOLN STREET, 900 BLOCK OF BLOSSOM STREET,
900 BLOCK OF DEVINE STREET
FOR INSTALLATION AND MAINTENANCE OF SIDEWALKS, CURBING,
GUTTERING, LANDSCAPING AND AN IRRIGATION SYSTEM
WEST CAMPUS DEVELOPMENT, PHASES 1 AND 1 A**

Subject Property:	Right-of-way adjacent to 600 and 700 blocks of Park Street, 900 block of Greene Street, 600 and 700 block of Lincoln Street, 900 block of Blossom Street, and 900 block of Devine Street adjacent to the West Campus Development Phases 1 and 1A
Council District:	2
Proposal:	The applicant is requesting to amend Encroachment Ordinance No. 2015-016 to make additional landscaping improvements.
Applicant:	University of South Carolina
Staff Recommendation:	Approval

Detail:	The applicant is requesting an amendment to encroachment ordinance 2015-016 to for the installation and maintenance of additional landscaping and irrigation as shown on the attached drawings. Conditions of the proposed encroachment are as follows: 1. All previous conditions of Encroachment Ordinance No. 2015-016. 2. Irrigation must be designed to avoid spraying walkways, sidewalks and streets and/or creating hazardous conditions upon the walkways, sidewalks and streets; 3. All trees shall be protected; 4. Grantee is responsible for all maintenance and assuring that all accessibility and ADA requirements are met and maintained; 5. Grantee is to coordinate existing and proposed crosswalks, ramps and curb cuts to insure proper alignment.
----------------	--

CITY AGENCY COMMENTS FOR ENCROACHMENT

Planning & Development Services	Recommend approval.
Streets	Recommend approval.
Utilities and Engineering	Recommend approval.
Traffic Engineering	Recommend approval.
Forestry	Recommend approval.
Land Development	Recommend approval.
Fire	Recommend approval.

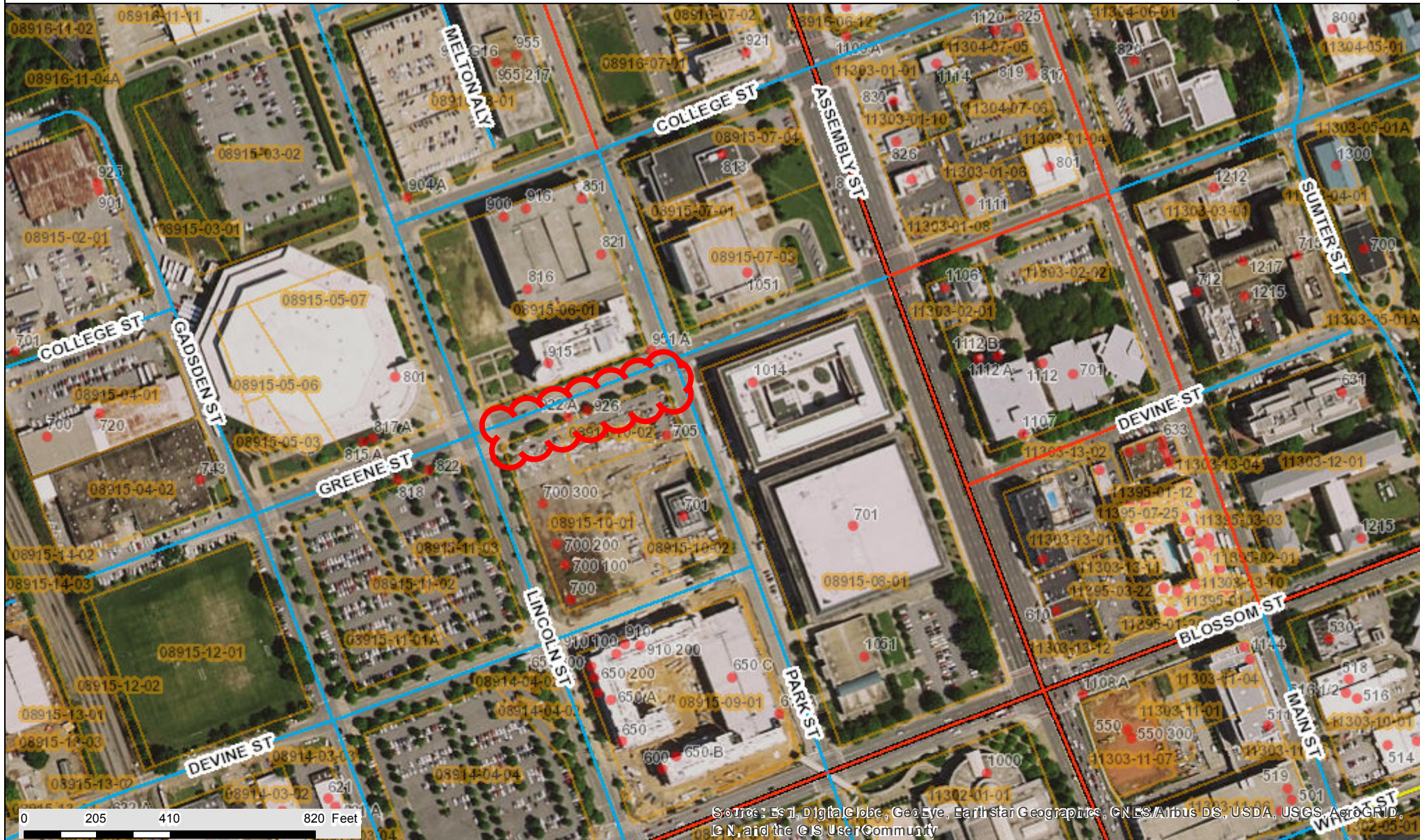
City of Columbia

USC - Park and Greene Street Encroachment

16.a



Thursday, June 01, 2017

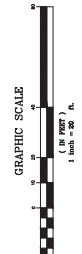


CITY OF COLUMBIA GIS DATA DISCLAIMER

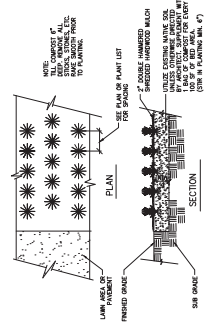
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Packet Pg. 271

[illegible]

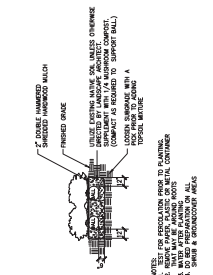
3
TYPICAL GROUND COVER PLANTING
NOT TO SCALE



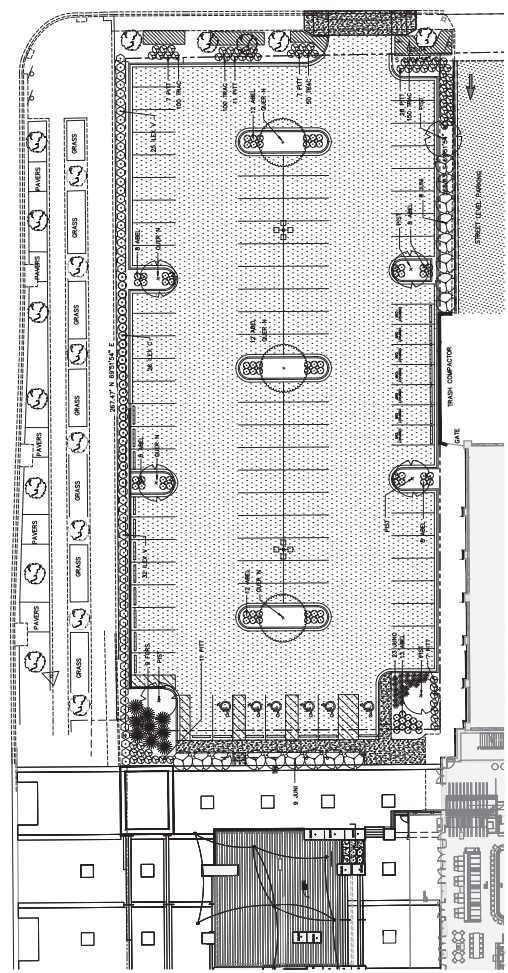
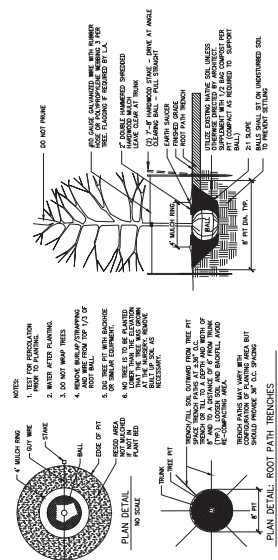
2
06.17

SHRUB PLANTING

NOT TO SCALE



SECTION 211
TREE PLANTING AND STAKING



LANDSCAPE NOTES

1. BIDDING DOCUMENTS SHALL ASSESS THE OPEN CASES OF THE PROJECT AND THE PROJECT SHALL BE STARTED BY THE CONTRACTOR AND COMPLETED BY THE CONTRACTOR.
2. LOCATIONS OF THESE UTILITIES SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THE FAILURE TO PROTECT AND ALL DAMAGE TO EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.
3. CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT IF ANY UTILITIES ARE FOUND TO BE IN THE WAY OF THE PROPOSED UTILITIES. CONTRACTOR SHALL COMPREHENSIVELY PROTECT ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST PROPOSED DESIGN OR UTILITIES AS NECESSARY TO AVOID DAMAGE TO UTILITIES.
4. CONTRACTOR TO PROVIDE ALL SHOT DRAWINGS, REMITTAL OF ALL UTILITIES TO THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING OPERATIONS:
 - a. SYSTEM TO MEET THE FOLLOWING CRITERIA:
 - b. SYSTEM TO MEET THE FOLLOWING CRITERIA:
 - c. SYSTEM TO MEET THE FOLLOWING CRITERIA:

CITY OF COLUMBIA LANDSCAPE
ORDINANCE NOTES:

1. SITE AREA: .77 ACRES
2. DFS REQUIRED: 23.1 UNITS
3. DFS PROVIDED: 17¹/₂ UNITS
CAL. JUNIPER @ 0.5 UNITS = 6.5 UNITS
CAL. POSTOAK @ 2.0 UNITS = 14 UNITS
5' 3' 5' 3' 5' 3' 5' 3' 5' 3'
TOTAL DFS PROVIDED: 27 UNITS (27 THRESHOLD)
4. TOTAL WETLAND SURFACE AREA: 30,274 SF
REQUIRED THRESHOLD: 30,000 SF
5. STREET PROTECTIVE VARIATIONS: DISPOSITION OF STREET PROTECTIVE VARIATIONS ON GREENE AND PARK STREETS ARE LESS THAN THE MINIMUM PLANTING PLAN SHOWING AN ENDOCKMENT ONTO THE RIGHT-OF-WAY WITH SHOVING AND IRRIGATION TO ACHIEVE THE STREET PROTECTIVE VARIATION.
6. BUFFER YARD: NONE REQUIRED.

LEGEND

NEW	EXISTING	DESCRIPTION
N/A		BENCHMARK/CONTROL POINT
N/A		LIGHT POLE
		CURB AND GUTTER
		CONCRETE PAVEMENT
		ASPHALT PAVEMENT
		KEY NOTE REFERENCE

PARK STREET
100' R/W
(CITY OF COLUMBIA)

GREENE STREET
100' R/W
CITY OF COLUMBIA)

NAVD 88 - NAIL
N 786388.49
E 1989464.89
FLY. = 240 CM



ORDINANCE NO. 2015-016

Granting an encroachment to the University of South Carolina for the use of the right of way areas of the 600 and 700 blocks of Park Street, 900 block of Greene Street, 600 and 700 blocks of Lincoln Street, 900 block of Blossom Street, 900 block of Devine Street for installation and maintenance of sidewalks, curbing, guttering, landscaping and an irrigation system adjacent to the West Campus Development, Phases 1 and 1 A, Richland County TMS #08914-18-01, 08915-09-01, 08915-10-01

WHEREAS, the University of South Carolina (hereinafter "Grantee") desires to use a portion of the right of way areas of the 600 block of Park Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately forty (40') feet in width twenty (20') feet in length; and guttering, landscaping and an irrigation system; 700 block of Park Street for installation and maintenance of a sidewalk approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width fifteen (15') feet in length; and guttering, landscaping and an irrigation system; 900 block of Greene Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 600 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 700 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Blossom Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Devine Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width forty (40') feet in length; guttering, landscaping and an irrigation system; as shown on the attached drawings; and,

WHEREAS, it appears that the encroachment will not interfere with the use of the medians or street for traffic, utility locations or other uses within the foreseeable future; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia, South Carolina, this 17th day of March, 2015, that Grantee is hereby granted the right to use the right of way areas of the 600 block of Park Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately forty (40') feet in width twenty (20') feet in length; and guttering, landscaping and an irrigation system; 700 block of Park Street for installation and maintenance of a sidewalk approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width fifteen (15') feet in length; and guttering, landscaping and an irrigation system; 900 block of Greene Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 600 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 700 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Blossom Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Devine Street for installation

ORIGINAL
STAMPED IN RED

and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width forty (40') feet in length; guttering, landscaping and an irrigation system; as shown on the attached drawings.

ALL WORK SHALL COMPLY with the requirements of The City of Columbia, South Carolina Department of Transportation and Federal Emergency Management Agency (FEMA) now in existence or hereafter enacted. The materials and type of finish to be used are to be approved by the City Engineer prior to installation. Any damage to the street or sidewalk caused by construction shall be repaired to the satisfaction of the City Manager. Improvements within the encroachment shall be maintained by the grantee at no cost to the City in a manner approved by the City Manager.

PROVIDED FURTHER that the privilege granted hereby is subject to the Grantee complying with the following conditions, restrictions or limitations:

1. Irrigation must be designed to avoid spraying walkways, sidewalks and streets and/or creating hazardous conditions upon the walkways, sidewalks and streets;
2. All trees shall be protected;
3. Grantee is responsible for all maintenance and assuring that all accessibility and ADA requirements are met and maintained;
4. Grantee is to coordinate existing and proposed crosswalks, ramps and curb cuts to insure proper alignment.

PROVIDED FURTHER that the privilege granted hereby may be modified or terminated by Columbia City Council at any time without notice to the Grantee, its successors and assigns.

BE IT FURTHER ORDAINED that Grantee, in consideration of the above privilege, shall at its expense provide for protection and relocation of all utilities that might be within this area to the satisfaction of the City Manager.

Requested by:

Assistant City Manager Gentry

Mayor

Approved by:


City Manager

Approved as to form:


City Attorney

Introduced: 3/10/2015

Final Reading: 3/17/2015

ATTEST:


City Clerk

**CITY COUNCIL
ENCROACHMENT SUMMARY
2015-016**



**600 AND 700 BLOCKS OF PARK STREET, 900 BLOCK OF GREENE STREET,
600 AND 700 BLOCKS OF LINCOLN STREET, 900 BLOCK OF BLOSSOM STREET,
900 BLOCK OF DEVINE STREET
FOR INSTALLATION AND MAINTENANCE OF SIDEWALKS, CURBING,
GUTTERING, LANDSCAPING AND AN IRRIGATION SYSTEM
WEST CAMPUS DEVELOPMENT, PHASES 1 AND 1 A**

Subject Property:	Right-of-way adjacent to 600 and 700 blocks of Park Street, 900 block of Greene Street, 600 and 700 block of Lincoln Street, 900 block of Blossom Street, and 900 block of Devine Street adjacent to the West Campus Development Phases 1 and 1A
Council District:	2
Proposal:	Request approval for the installation and maintenance driveways on each block, landscaping and irrigation
Applicant:	Holder Properties
Staff Recommendation:	Approval

Detail:	The applicant is requesting an encroachment ordinance for the installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately forty (40') feet in width twenty (20') feet in length; and guttering, landscaping and an irrigation system; 700 block of Park Street for installation and maintenance of a sidewalk approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width fifteen (15') feet in length; and guttering, landscaping and an irrigation system; 900 block of Greene Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 600 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 700 block of Lincoln Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Blossom Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; guttering, landscaping and an irrigation system; 900 block of Devine Street for installation and maintenance of a sidewalk and curbing approximately four hundred fifty (450') feet in length varying in width from ten (10') feet to twelve (12') feet; a driveway approximately thirty (30') feet in width forty (40') feet in length; guttering, landscaping and an irrigation system; as shown on the attached drawings; Conditions of the proposed encroachment are as follows: 1. Irrigation must be designed to avoid spraying walkways, sidewalks and streets and/or creating hazardous conditions upon the walkways, sidewalks and streets; 2. All trees shall be protected; 3. Grantee is responsible for all maintenance and assuring that all accessibility and ADA requirements are met and maintained; 4. Grantee is to coordinate existing and proposed crosswalks, ramps and curb cuts to insure proper alignment.
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CITY AGENCY COMMENTS FOR ENCROACHMENT

Planning & Development Services	Recommend approval.
Streets	Recommend approval.
Utilities and Engineering	Recommend approval.
Traffic Engineering	Recommend approval.
Forestry	Recommend approval.
Land Development	Recommend approval.
Fire	Recommend approval.

REQUEST FOR A PERMANENT COMMERCIAL ENCROACHMENT ORDINANCE (INCLUDING OUTDOOR DINING/LANDSCAPING/STUDENT HOUSING)

For a continuing encroachment on any type of property in which the City has an interest (i.e., rights of way, tree zone, sidewalk, streets), the person or entity is required to have an encroachment ordinance enacted by City Council permitting the encroachment. Encroachment ordinances are required for but not limited to: irrigation systems; landscaping; fencing; walls; pavers; walkways; outdoor dining items (chairs, tables, umbrellas, etc.); awnings; bollards and directional signs (i.e., churches) Business signs are NOT permitted via an encroachment. Encroachments must comply with all existing City codes, rules and regulations, the Americans with Disabilities Act, if applicable, and are subject to review and approval by City staff. Enactment of the encroachment ordinance by a majority vote of City Council, which is a discretionary legislative act, is also required. In order to obtain an encroachment ordinance from the City of Columbia, it will be necessary for the City of Columbia to be named as an additional insured on your insurance policy with limits being increased to \$600,000 as required by Sec. 11-71. It is recommended that you contact your insurance provider to determine if it will name the City of Columbia as an additional insured prior to submitting your request for an encroachment ordinance. If you have any questions concerning these requirements, please contact Chip Timmons with Risk Management, (803) 733-8306 or catimmons@columbiasc.net.

Please complete and submit this form along with photographs and drawings or site plan drawn to scale (including a 8-1/2 x11) to Johnathan Chambers by e-mail at jechambers@columbiasc.net; fax at 803-343-8779; or mail to Johnathan Chambers, Development Services, POB 147 Columbia, SC 29217, for preparation of an encroachment ordinance. Copies to City departments should be directed to the contact person for that department as shown below.

All work shall comply with the requirements of the City of Columbia and South Carolina Department of Transportation now in existence or hereafter enacted. The materials and type of finish to be used are to be approved by the City Engineer prior to installation. Any damage to the street or sidewalk caused by construction shall be repaired to the satisfaction of the City Manager. Improvements within the encroachment shall be maintained by the grantee at no cost to the City in a manner approved by the City Manager. Property owned, operated and maintained by SCDOT shall comply with SCDOT encroachment requirements.

Date: 12/16/14

Property Owner: University of South Carolina

Applicant's Name if different from Property Owner: Holder Properties

Contact Information: Telephone Number: 803-451-4702

Fax Number: 803-451-4718

Mailing address: 1221 Main Street

E-mail address: bcooke@holderproperties.com

Business Name/Development Name for Encroachment: West Campus Development Phases 1 & 1A

Encroachment type: ☐ Wall ☐ Fence ☐ Columns ☐ Steps ☒ Irrigation System ☐ Landscaping ☒ Driveway ☐ Pavers ☒ Sidewalk/Walkway
Planters ☐ Awning ☐ Underground Utilities ☐ Other:

Dimensions (height/width/length): 282'-6" wide sidewalk on Lincoln Street, 277'-6" wide sidewalk on Devine (i.e. 6x42' wooden privacy fence; Street and 24' wide driveway/entry on Devine Street two 12x4'x3' concrete steps)

Construction material: Construction material for both walks and driveway is concrete.

☐ **OUTDOOR DINING:** The Fire Marshal's posted capacity allowed within the business at the time of enactment of the outdoor dining encroachment ordinance shall include the total number of patron seating approved for the outdoor dining encroachment area, if not already included in the posted capacity allowance, so that patrons relocating from inside to the outside or from outside to the inside do not cause the posted capacity to be exceeded.

Hours/days of operation for outdoor dining: _____

Posted Maximum Capacity Allowance (inside/outside combined): _____

No. of chairs outdoors: _____

No. of Tables Outdoors: _____

Do you serve: ☐ Wine ☐ Beer ☐ Liquor SCDOR ABL No.: _____

If not, do you intend to apply for an ABL license? _____

I acknowledge that the adjoining property owners and businesses have been contacted and approve the addition of outdoor dining at this location to include the service of beer, wine and/or liquor if applicable during the business hours noted above, and that any changes made to the business hours, use of the encroachment area or items allowed within the encroachment area will require an amendment to the encroachment ordinance.

Name/Title: _____
Date: _____

I acknowledge that any changes made to the business, hours, use of the encroachment area, or items allowed within the encroachment area, to include obtaining a license to sell beer, wine and/or liquor will require an amendment to the encroachment ordinance.

Name/Title: _____
Date: _____

The proposed ordinance will be sent to the requesting party and City offices for review and approval. Johnathan Chambers will compile the recommendations and forward them to the City Clerk for scheduling before City Council. This process may take from 30-90 days.

CONTACT

Johnathan Chambers
John Fellows
Brian Cook
Jerry Thompson
Fanessa Pinckney
Amy Moore
Robert Harkins
Denny Daniels
Robert Anderson
Robert Sweat
David Brewer
Sara Hollar
John Hooks
Chip Timmons
David Koon
John David Spade
LR: 7/2014

DEPARTMENT

Development Services (Land Development)
Development Services (Planning)
Development Services (Zoning)
Development Services (Building Inspections)
Development Services (Permits)
Development Services (Historic Preservation)
Development Services (Plans Review)
Utilities & Engineering (Construction Management)
Public Works (Administration)
Public Works (Street Division)
Public Works (Traffic Engineering)
Public Works (Forestry & Beautification)
Public Works (Solid Waste)
Risk Management
Fire Department
Parking Services

PHONE

803-545-3333
803-545-3222
803-545-3332
803-545-3420
803-545-3420
803-545-3222
803-545-3420
803-545-3400
803-545-3780
803-545-3790
803-545-3850
803-545-3860
803-545-3800
803-733-8306
803-545-3701
803-545-3070

FAX

803-343-8779
803-733-8647
803-733-8647
803-733-8699
803-733-8699
803-733-8647
803-988-8199
803-733-8648
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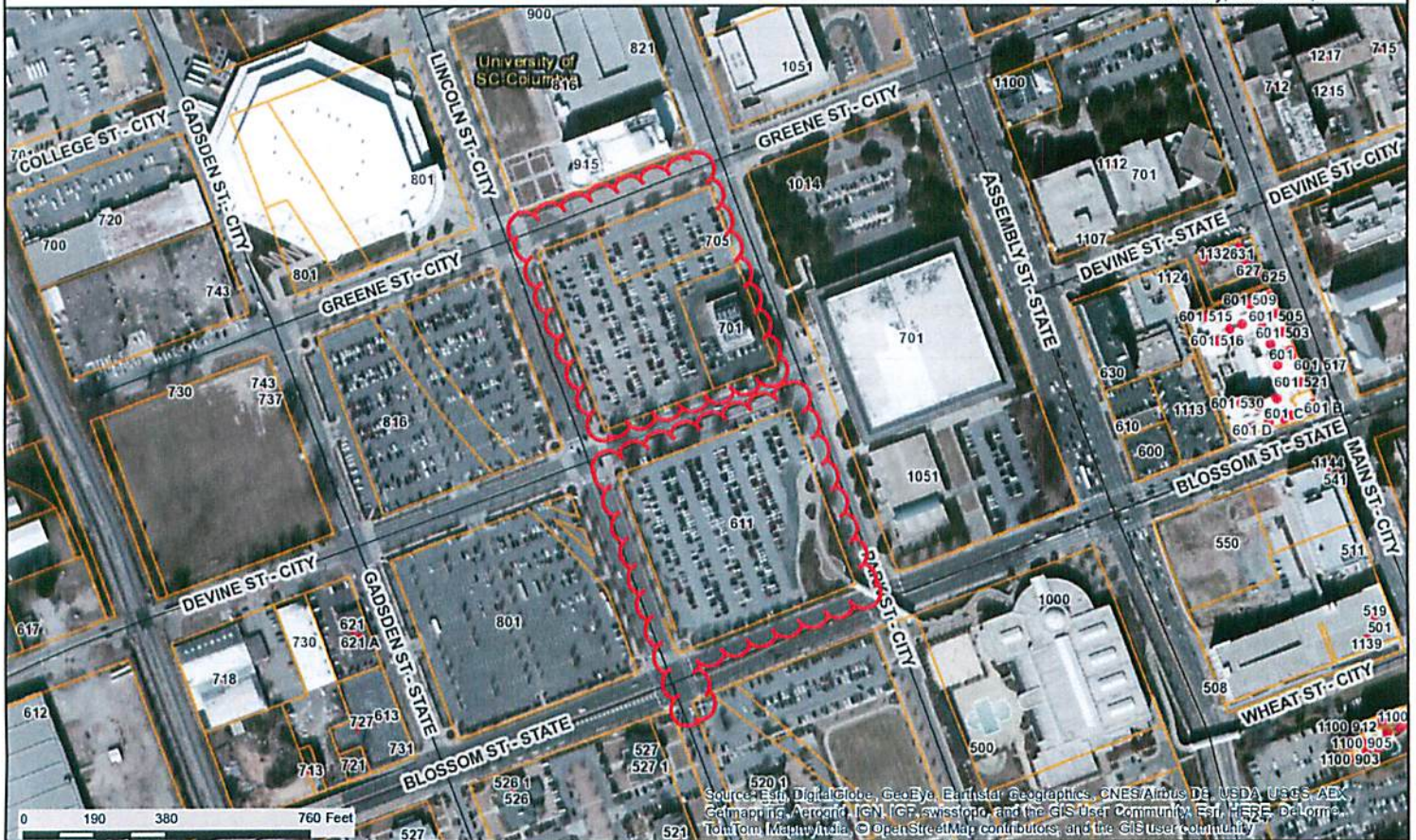
E-MAIL

jechambers@columbiasc.net
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rharkins@columbiasc.net
jddaniels@columbiasc.net
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rgsweatt@columbiasc.net
ddb Brewer@columbiasc.net
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catimmons@columbiasc.net
cfdgkoon@columbiasc.net
spade@columbiasc.net

City of Columbia

Holder Properties - Private Public Partnership

Monday, March 02, 2015

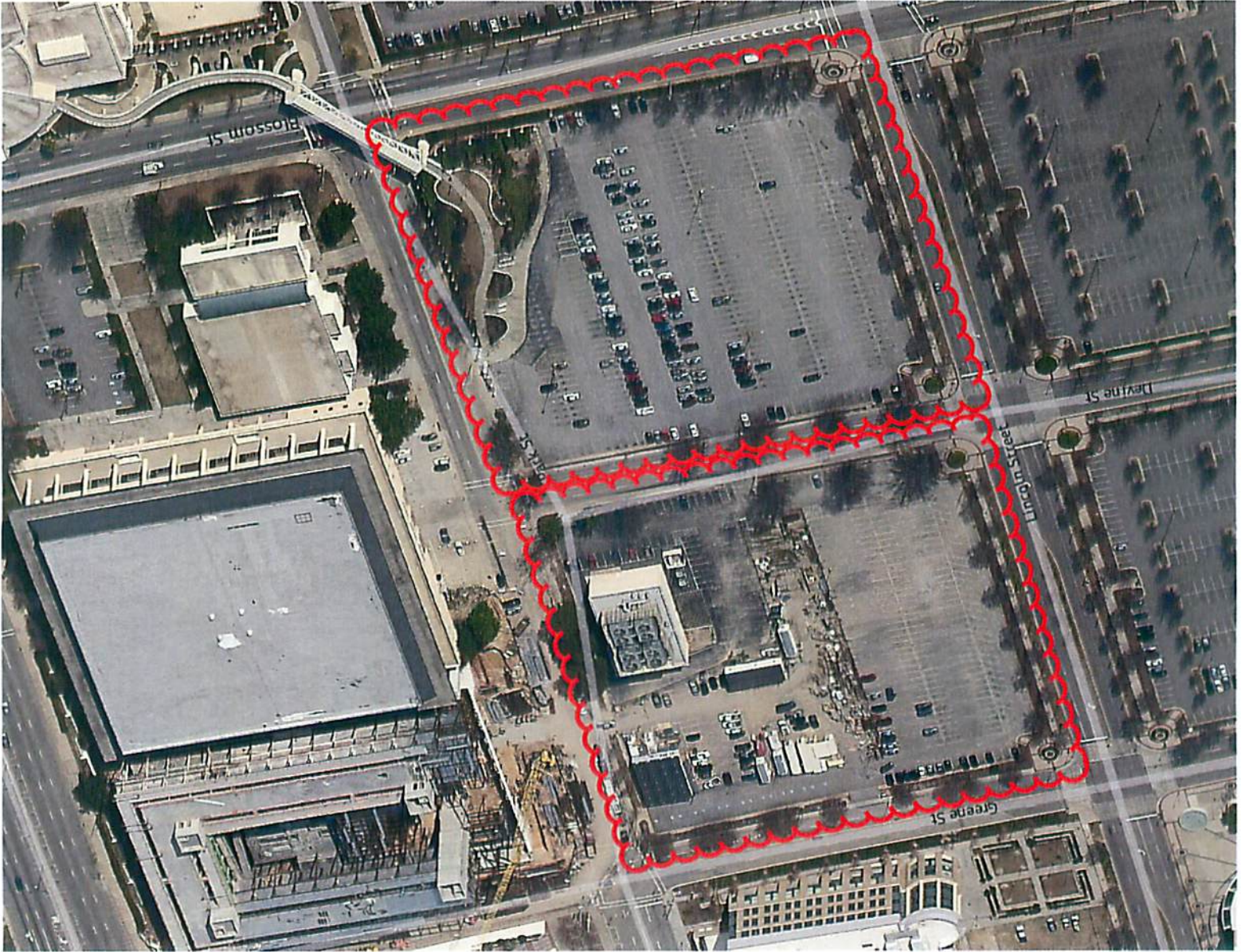


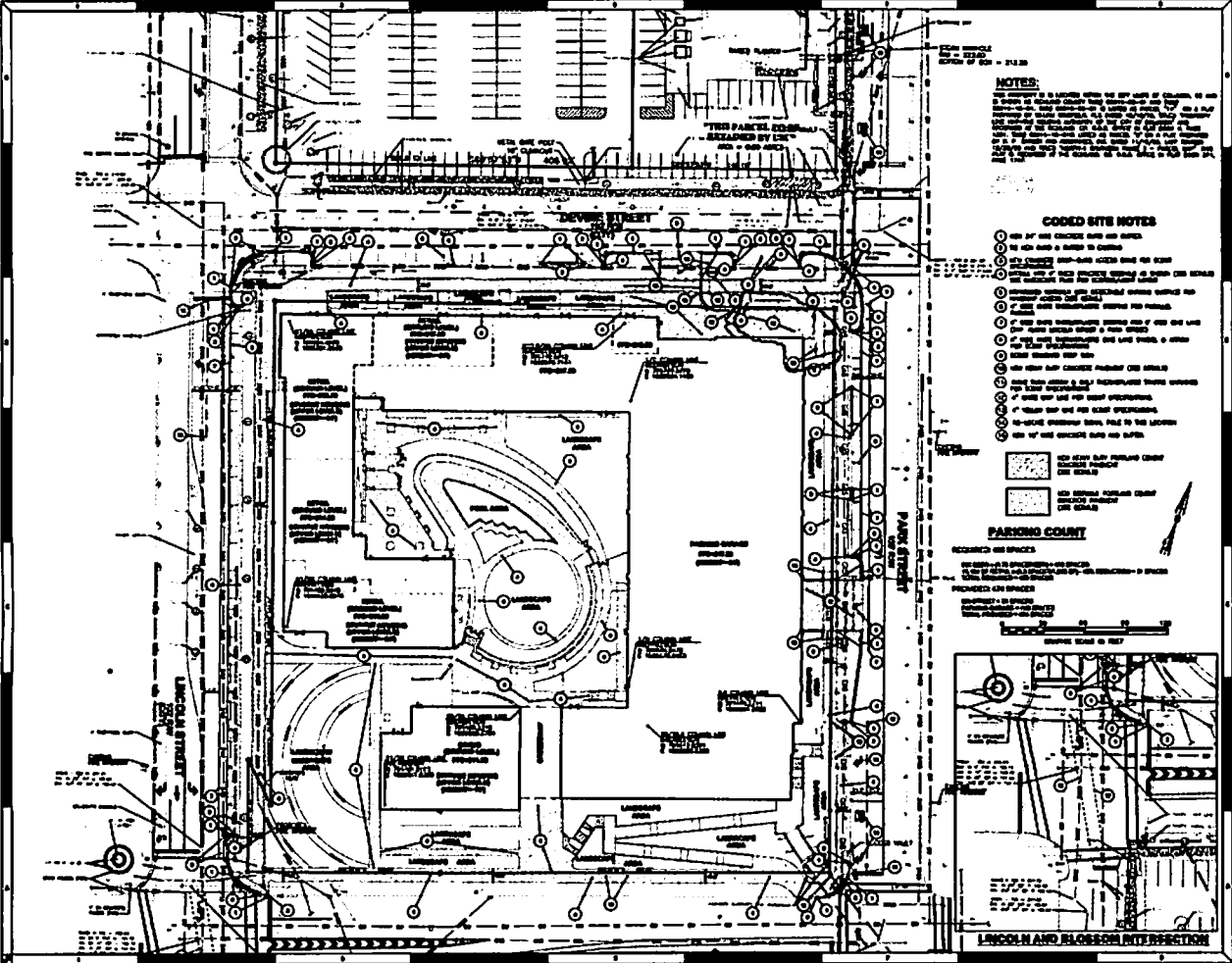
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We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: **Ordinance No.: 2017-051 - Providing for the Issuance and Sale of City of not Exceeding \$1,500,000 Principal Amount, Columbia, South Carolina Special Obligation Bonds or Notes (Hospitality Fee Pledge), Series 2017, In Order To Refinance Certain Indebtedness; Authorizing The Mayor, The City Manager And The Assistant City Manager For Finance And Economic Services, Or Any Two Of Them Acting Together; To Determine Certain Matters With Respect To The Bonds Or Notes; Prescribing The Form And Details Of Such Bonds Or Notes; And Other Matters Relating Thereto**

FINANCIAL IMPACT:

STRATEGIC GOALS: Collaborate and partner with entities, Foster a healthy quality of life

ATTACHMENTS:

- **#a:** 2017-051 \$1.5 Edventure (Hospitality Fee Pledge) (PDF)

CITY OF COLUMBIA, SOUTH CAROLINA

THIRD SUPPLEMENTAL ORDINANCE NO: 2017-051

PROVIDING FOR THE ISSUANCE AND SALE OF CITY OF NOT EXCEEDING \$1,500,000 PRINCIPAL AMOUNT COLUMBIA, SOUTH CAROLINA, SPECIAL OBLIGATION BONDS OR NOTES (HOSPITALITY FEE PLEDGE), SERIES 2017, IN ORDER TO REFINANCE CERTAIN INDEBTEDNESS; AUTHORIZING THE MAYOR, THE CITY MANAGER AND THE ASSISTANT CITY MANAGER FOR FINANCE AND ECONOMIC SERVICES, OR ANY TWO OF THEM ACTING TOGETHER, TO DETERMINE CERTAIN MATTERS WITH RESPECT TO THE BONDS OR NOTES; PRESCRIBING THE FORM AND DETAILS OF SUCH BONDS OR NOTES; AND OTHER MATTERS RELATING THERETO.

Enacted: _____, 2017

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF COLUMBIA, SOUTH CAROLINA, IN COUNCIL ASSEMBLED:

Section 1. Definitions.

The terms in this Section 1 and all words and terms defined in the General Bond Ordinance No. 2011-63 (the "General Bond Ordinance") enacted by the City Council (the "Council") of the City of Columbia, South Carolina (the "City"), on August 30, 2011 (such General Bond Ordinance as from time to time amended or supplemented by Supplemental Ordinances being defined in the Ordinance as the "Ordinance") (except as herein otherwise expressly provided or unless the context otherwise requires) shall for all purposes of this Third Supplemental Ordinance have the respective meanings given to them in the Ordinance and in Section 1 hereof.

"2017 Bond" shall mean the City of Columbia, South Carolina, Special Obligation Bond or Note (Hospitality Fee Pledge), Series 2017, authorized to be issued hereunder in a principal amount of not exceeding \$1,500,000.

"Authorized Representative" shall mean the person or persons at the time designated to act on behalf of the City for the purpose of performing any act under this Third Supplemental Ordinance by a written certificate furnished to the Purchaser containing the specimen signature of such person or persons and signed on behalf of the City by its Mayor, City Manager and Assistant City Manager for Finance and Economic Services, or any two of them acting together.

"Bonds of 2012" shall mean the \$14,825,000 principal amount City of Columbia, South Carolina, Special Obligation Refunding Bonds (Hospitality Fee Pledge), Series 2012.

"Bonds of 2014" shall mean the \$26,175,000 principal amount City of Columbia, South Carolina, Special Obligation Bonds (Hospitality Fee Pledge), Series 2014.

"Code" shall mean the Internal Revenue Code of 1986, as amended.

"First Supplemental Ordinance" shall mean First Supplemental Ordinance No. 2011-68 enacted by the Council on August 30, 2011, authorizing the Bonds of 2012.

"General Bond Ordinance" shall mean the Ordinance duly enacted by the Council on August 30, 2011, authorizing the issuance from time to time of Bonds.

"Interest Payment Date" shall mean any date as selected by the Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services, or any two of them acting together, pursuant to Section 6 hereof.

"Principal Payment Date" shall have the meaning given to such term in Section 3(a).

"Purchaser" shall mean _____, as purchaser of the 2017 Bond.

"Second Supplemental Ordinance" shall mean Second Supplemental Ordinance No. 2014-052 enacted by the Council on July 15, 2014, authorizing the Bonds of 2014.

Section 2. Certain Findings and Determinations.

The City hereby finds and determines:

(a) The Ordinance, the Bond Act and the Hospitality Fee Act authorize the City to issue Bonds in order to finance the Costs of Acquisition and Construction of Projects (as defined in the General Bond Ordinance) and to refinance indebtedness incurred in connection therewith. This Third Supplemental Ordinance supplements the Ordinance, constitutes and is a "Supplemental Ordinance" within the meaning of such quoted term as defined and used in the Ordinance, and is enacted under and pursuant to the Ordinance.

(b) The 2017 Bond constitutes and is a "Bond" within the meaning of the quoted word as defined and used in the Ordinance.

(c) The Hospitality Fees pledged under the Ordinance are not encumbered by any lien and charge thereon or pledge thereof, other than: (i) the lien and charge thereon and pledge thereof created by the General Bond Ordinance and the First Supplemental Ordinance for the payment and security of the Bonds of 2012; (ii) the lien and charge thereon and pledge thereof created by the General Bond Ordinance and the Second Supplemental Ordinance for the payment and security of the Bonds of 2014; and (iii) the pledge thereof created by the General Bond Ordinance and this Third Supplemental Ordinance for the payment and security of the 2017 Bond.

(d) There does not exist an Event of Default (as defined in the General Bond Ordinance), nor does there exist any condition which, after the passage of time or the giving of notice, or both, would constitute such Event of Default.

(e) Article III of the General Bond Ordinance provides that one or more Series of Bonds may be issued for such purposes as may be permitted by the Hospitality Fee Act upon compliance with certain provisions of the General Bond Ordinance to secure funds to defray the Costs of Acquisition and Construction of one or more Projects authorized to be financed under the Hospitality Fee Act, or to refund Junior Bonds, or any other notes, bonds, or other obligations issued to finance or to aid in financing the acquisition, construction, improvement, enlargement or repair of Projects. Bonds issued upon compliance with Section 3.2 and Section 3.3 of the General Bond Ordinance shall be issued on a parity as to the Net Revenues of the System in all respects *inter sese*.

(f) A vibrant tourism industry fosters and enhances the economic growth and well being of a community and its residents. Tourism has been and continues to be a major industry for the City. The City, through its Convention and Visitors Bureau, as well as surrounding counties and municipalities and community businesses, have taken various steps to promote tourism to the City and surrounding areas and to the City's facilities and attractions. Moreover, as the City's tourism industry expands, the City must make provision to increase municipal services and facilities in order to accommodate the needs of tourists and to attract additional tourism. Tourists enjoy and utilize the special benefits which the City provides.

(g) By imposing the Hospitality Fees, the City has provided a method to alleviate the increased financial burden on resources of the City and its citizens in providing services and facilities needed to attract and support tourism. Moneys generated by the Hospitality Fees are or may be used to finance the acquisition, construction and renovation of facilities which will serve and attract visitors and tourists or to provide municipal services which serve visitors and tourists.

(h) The Council has been advised and recognizes that Hospitality Fees and the proceeds of

the 2017 Bond must be used exclusively for tourism-related buildings, tourism-related cultural, recreational or historic facilities and roads and streets providing access to tourist destinations.

(i) The EdVenture Children’s Museum (the “Museum”), which opened in 2003, is a non-profit educational institution and world-class, award-winning children’s museum located in Columbia, South Carolina. Measuring approximately 90,000 square feet, the Museum is the largest children’s museum in the southeastern portion of the United States, and offers several permanent and temporary exhibits to delight and educate new generations of lifelong learners through museum experiences, afterschool programming and camps. Last year alone, more than 217,000 people visited the Museum.

(j) The Museum’s interactive exhibitions and state-wide initiatives are developed to support a child’s creative thinking, decision-making skills, science-technology-engineering and math capabilities, health habits, and increase their sense of self-efficacy, from cradle to career. The Museum proudly serves and collaborates with schools and direct-service organizations across the state to increase access to education and health resources. From interdisciplinary professional development for teachers and curriculum-enhancing field study experiences, to its seven after-school sites and workforce development programming for youth—including those with special needs—the Museum is committed to its founding vision. In 2015, the Institute for Museums and Library Services cited the Museum as a transformative community anchor in its report, *Museums, Libraries and Comprehensive Initiatives: A First Look at Emerging Experience*.

(k) The City issued a series of revenue bonds in 2001 to provide funds to help construct the Museum, and has consistently provided annual appropriations of Hospitality Fees to help support the operations of the Museum. Based on information provided by the Museum, for the fiscal years ended June 30, 2014 through 2016, inclusive, between 65%-70% of the general admission visitors to the Museum were tourists, within the meaning of the Act and the City’s hospitality tax guidelines. For the first three months of the current fiscal year ended June 30, 2017, approximately 72% of the general admission visitors to the Museum constituted tourists.

(l) The Museum has represented to the City that it has approximately \$1.4 million of outstanding debt which is currently due and payable (the “Museum Debt”), and has requested the assistance from the City to refinance the Museum Debt. The Museum has advised that the refinancing of the Museum Debt with a longer-term obligation would both reduce the Museum’s annual debt service burden and also free up needed resources to up-fit and improve the Museum and secure newer exhibits, which will in turn generate additional visitors to the Museum.

(m) The City proposes to refinance the outstanding Museum Debt and pay issuance costs of the 2017 Bond, which would be repaid from Hospitality Fees pursuant to the Bond Ordinance. It is the City’s intent that the repayment of the 2017 Bond be made from available funds of the City (including but not limited to annual Hospitality Fee collections) without placing a substantial burden on the City and its financial resources or the organizations which annually receive grants from Hospitality Fee collections. As such, although grants of Hospitality Fees are subject to annual appropriation and therefore not legally binding, it is the present intent of the City and the Museum that the annual debt service on the 2017 Bond be payable from a portion of the annual appropriation of Hospitality Fees made available by the City to the Museum.

(n) The City has received a proposal from the Purchaser, a copy of which is attached hereto as Exhibit A (the “Proposal”), to provide funds for the purposes described in sub-paragraph (m) above. It is necessary and in the best interest of the City to authorize the issuance and sale of the 2017 Bond to the Purchaser in the principal amount of not exceeding \$1,500,000 in accordance with the Bond Act, the Hospitality Fee Act, the Ordinance and this Third Supplemental Ordinance for the purposes set forth above.

Section 3. Authorization of 2017 Bond.

(a) There is hereby authorized to be issued a series of Bonds designated “City of Columbia, South Carolina, Special Obligation [Bond][Note] (Hospitality Fee Pledge), Series 2017” (the “2017 Bond”), in the aggregate principal amount of not exceeding \$_____. The proceeds of the 2017 Bond shall be used for the purposes set forth in Section 2(m) hereof.

The 2017 Bond shall bear interest at the rates per annum and mature on the date(s) and in the principal amount(s) (the “Principal Payment Dates”), all as determined by the Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services, or any two of them acting together, pursuant to Section 6 hereof.

(b) The 2017 Bond shall originally be dated its date of delivery, or such other date as the Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services, or any two of them acting together, shall determine pursuant to Section 6 hereof, and shall be issued in fully registered form, as a single bond representing the entire principal amount of the 2017 Bond, in the name of the Purchaser. The 2017 Bond shall be numbered and lettered in such a fashion as to maintain a proper record thereof.

The 2017 Bond shall be subject to redemption prior to maturity, whether at the option of the City or upon the occurrence of some event, in whole or in part, at the times and at the redemption prices (expressed as a percentage of principal amount of the 2017 Bond to be redeemed), all as shall be determined by the Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services, or any two of them acting together, pursuant to Section 6 hereof, together, in each such case, with the interest accrued on such principal amount to the date fixed for redemption.

(c) Principal of and redemption premium, if any, on the New Bonds shall be payable at the designated corporate trust office of the Paying Agent. Interest on the New Bonds shall be payable on each Interest Payment Date, in each case to the Holders as of the immediately preceding Record Date, such interest to be paid by the Paying Agent by check or draft mailed to each Holder at the address as it appears on the Books of Registry maintained at the designated corporate trust office of the Paying Agent, and in the case of a Holder of \$1,000,000 or more in principal amount of New Bonds, by wire transfer to an account within the continental United States upon the timely receipt of a written request of such Holder; notwithstanding the foregoing, payments of principal and interest of and redemption premium, if any, on the 2017 Bond may be made directly by the City to the Purchaser, pursuant to written instructions given to the City, as shall be determined by the Mayor, The City Manager and the Assistant City Manager for Finance and Economic Services, or any two of them acting together, pursuant to Section 6 hereof. Payment of the principal of and interest on such New Bonds may be payable to the Holder thereof without presentation and surrender of such New Bonds.

(d) The 2017 Bond shall be in substantially the form set forth in Exhibit A hereto, with such necessary or appropriate variations, omissions and insertions as are incidental to the numbers, maturities, dates, interest rate or rates, redemption provisions, the purpose of issuance and other details thereof or as are otherwise permitted or required by law or by the Ordinance, including this Third Supplemental Ordinance. The 2017 Bond shall be executed in the name and on behalf of the City by the manual or facsimile signature of the Mayor, attested by the manual or facsimile signature of the City Clerk under the seal of the City impressed, imprinted or reproduced thereon (or a facsimile thereof). The 2017 Bond shall be registered in the name of the Purchaser, as the registered owner, at the office of the City Clerk of the City of Columbia, South Carolina, on registry books to be kept for such purpose, and such registration shall be noted on the registration attached to the 2017 Bond, after which no transfer of such 2017 Bond shall be effective unless

made on such books by the registered owner in person or its duly authorized legal representative and similarly noted on the 2017 Bond.

(e) A copy of the approving opinion to be rendered on the 2017 Bond shall be printed on the back of such 2017 Bond, preceding the same a certificate shall appear, which shall be signed on behalf of the City by a facsimile signature of the City Clerk. Such certificate shall be in the form substantially as follows:

IT IS HEREBY CERTIFIED that the following is a true and correct copy of the approving opinion of McNair Law Firm, P.A., Columbia, South Carolina, the original of which was manually executed, dated and issued as of the date of the delivery of and payment for the bonds, and a copy of which is on file with the City.

CITY OF COLUMBIA, SOUTH CAROLINA

By: _____
City Clerk

Section 4. Payment of and Security for the 2017 Bond. The 2017 Bond, together with the interest thereon, shall be payable, in such coin or currency of the United States of America which at the time of such payment is legal tender for public and private debts, solely from the Hospitality Fees of the City in accordance with the provisions of this Third Supplemental Ordinance. The 2017 Bond shall be secured by a pledge of Hospitality Fees, on a parity with the pledge of Hospitality Fees securing the payment of the Bonds of 2012, the Bonds of 2014 and any other Bonds (as defined in the General Bond Ordinance) issued in compliance with the provisions of the General Bond Ordinance.

The 2017 Bond does not constitute an indebtedness of the City within any State constitutional provisions (other than Article X, Section 14, Paragraph 10 of the South Carolina Constitution authorizing obligations payable solely from special sources not involving revenues from any tax or license) or statutory limitation. The 2017 Bond shall not be a debt of the City, nor a charge, lien or encumbrance, legal or equitable, upon any property of the City or upon any income, receipts or revenues thereof, other than the aforesaid Hospitality Fees of the City. No recourse shall be had for the payment of the 2017 Bond or the interest thereon against the general fund of the City, nor shall the credit or taxing power of the City be deemed to be pledged thereto. The full faith, credit and taxing powers of the City are not pledged to the payment of the principal of or interest on the 2017 Bond.

Section 5. 2017 Bond Proceeds Fund and 2017 Debt Service Fund.

(a) There is hereby created and established the 2017 Bond Proceeds Fund, which shall be held by the City or by a Custodian. The proceeds derived from the sale of the 2017 Bond shall be advanced from the Purchaser from time to time until such date as is mutually agreeable to the City and the Purchaser as determined, in writing, by an Authorized Representative and the amount of each advance shall be noted on the Certificate of Advances attached to the 2017 Bond. If the 2017 Bond Proceeds Fund is held by a Custodian, the Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services, or any of them acting alone, is authorized and directed to negotiate, execute and deliver such agreements or other agreements with such bank or other financial institution as may be necessary or desirable in connection therewith. Subject to Section 11 hereof, the moneys on deposit in the 2017 Bond Proceeds Fund shall be used and applied to retire or pay in full the Museum Debt and costs of issuance related to the 2017 Bond.

Moneys held for the credit of the 2017 Bond Proceeds Fund shall be invested to the fullest extent practicable and reasonable, in Permitted Investments, maturing at such times and in such amounts as shall be required to provide moneys to make the payments required to be made from such account. The provisions of Section 6.10 of the General Bond Ordinance relating to the investment of funds are incorporated herein as if fully set forth herein.

Withdrawals from the 2017 Bond Proceeds Fund shall be made in the manner withdrawals from other funds of the City are made.

(b) In accordance with Section 6.6 of the General Bond Ordinance, the 2017 Debt Service Fund is hereby directed to be established by the Trustee on the date of the original delivery of the New Bonds for the benefit of the Holders of the New Bonds. Moneys held for the credit of the 2017 Debt Service Fund may be invested in Permitted Investments.

Section 6. Sale and Issuance of 2017 Bond; Approval of Proposal.

(a) The Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services, or any two of them acting together, are hereby authorized and empowered to undertake any one or more of the following actions: (1) determine the original issue date of the 2017 Bond; (2) determine the aggregate principal amount of the 2017 Bond, if less than authorized by this Third Supplemental Ordinance, and the principal amounts of each maturity thereof; (3) determine whether the 2017 Bond will be issued on a taxable or tax-exempt basis; (4) determine the Interest Payment Dates, including the initial Interest Payment Date, and the Principal Payment Dates for the 2017 Bond; (5) determine the optional redemption terms and redemption price of the 2017 Bond; (6) determine the interest rate for the 2017 Bond; (7) determine whether payments of principal, redemption premium (if any) and interest will be made through the Paying Agent or directly to the Purchaser; and (8) agree to any other terms, provisions and matters necessary or advisable to effect the issuance of the 2017 Bond.

(b) The Proposal, a copy of which is attached hereto as Exhibit A, to purchase the 2017 Bond is hereby accepted. The City hereby finds and determines that the Proposal is fair and reasonable and in the best interest of the City. The Mayor and the City Manager, or either of them acting alone, are hereby authorized and directed to execute and deliver the Proposal, in substantially the form attached hereto as Exhibit A, with such modifications as the Mayor and the City Manager, or either of them acting alone, approves, the execution and delivery of the Proposal constituting conclusive evidence of approval of the matters therein contained. Notwithstanding the foregoing, the Mayor and the City Manager, or either of them acting alone, are hereby authorized to take all actions, including the preparation and dissemination of requests for proposals and the preparation, publication and/or distribution of information, offering documents or private placement memoranda, all relating to the City, the 2017 Bond and the Hospitality Fees, to solicit interest and receive offers from financial institutions and institutional investors to purchase the 2017 Bond in a private offering (in lieu of the Proposal), and to accept such offer which is in the best interest of the City and execute such documents as may be necessary in connection therewith. In the event of a conflict in the terms and provisions of such Proposal or other offers received from financial institutions and institutional investors and the General Bond Ordinance, this Third Supplemental Ordinance and any other documents authorized hereunder (collectively, the "Other Documents"), the terms and provisions of the General Bond Ordinance, this Third Supplemental Ordinance and the Other Documents shall prevail.

(c) A copy of this Third Supplemental Ordinance shall be filed with the minutes of the meeting at which this Third Supplemental Ordinance was enacted.

(d) The Council hereby authorizes and directs all of the officers and employees of the City to carry out or cause to be carried out all obligations of the City hereunder and to perform such other actions as they shall consider necessary or advisable in connection with the issuance, sale and delivery of the 2017 Bond.

(e) The Council hereby authorizes the Mayor and the City Manager, or either of them acting alone, or their designees to negotiate the terms of, and execute, in the name and on behalf of the City, and deliver investment agreements, forward delivery agreements, repurchase agreements and other agreements in connection with the 2017 Bond (including agreements or other writings with the Museum as to the continued use and operation of the Museum during the term of the 2017 Bond), to prepare and solicit bids for providers of such agreements and to execute, in the name and on behalf of the City, written confirmations of any such agreements and other documents as may be necessary in connection therewith.

Section 7. Disposition of Proceeds of 2017 Bond and Certain Other Moneys. The proceeds derived from the sale of the 2017 Bond, net of any fees payable to the purchaser thereof, shall be deposited with (or at the order of) the City or the Custodian, as applicable, into the 2017 Bond Proceeds Fund established in and pursuant to Section 5 hereof.

Section 8. Designation of Trustee, Registrar and Paying Agent.

Pursuant to the Ordinance, the Trustee is Regions Bank. The Council hereby designates Regions Bank as Registrar and Paying Agent for the 2017 Bond. The Registrar and Paying Agent shall signify their acceptances of their respective duties upon delivery of the 2017 Bond.

Section 9. Continuing Disclosure. If the 2017 Bond is issued as a tax-exempt obligation and for so long as and to the extent required pursuant to Section 11-1-85 of the Code of Laws of South Carolina 1976, as amended ("Section 11-1-85"), the City covenants that it will file with a central repository for availability in the secondary bond market when requested:

- (i) An annual independent audit, within 30 days of the City's receipt of the audit; and
- (ii) Event-specific information within 30 days of an event adversely affecting more than 5% percent of Hospitality Fees or the City's tax base.

The only remedy for failure by the City to comply with the covenant of this Section 10 shall be an action for specific performance of this covenant; and failure to comply shall not constitute a default or an "Event of Default" under the Ordinance or this Third Supplemental Ordinance. The City specifically reserves the right to amend or delete this covenant in order to reflect any change in Section 11-1-85, without the consent of any Holder of the 2017 Bond.

Section 10 Further Actions. The Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services and the City Clerk are hereby authorized and directed to take any and all such further actions as shall be deemed necessary or desirable in order to effectuate the issuance of the 2017 Bond. To that end, the Mayor, the City Manager and the Assistant City Manager for Finance and Economic Services of the City, or any of them acting alone, are hereby authorized and directed to negotiate and execute such agreements or documents as may be necessary or desirable to effect such acquisition.

Section 11 Headings. The headings and titles of the several sections hereof shall be solely for convenience of reference and shall not affect the meaning, construction, interpretation or effect of this Third Supplemental Ordinance.

Section 12 Notices. All notices, certificates or other communications hereunder or under the Ordinance shall be sufficiently given and shall be deemed given when mailed by registered mail, postage prepaid, or given when dispatched by telegram addressed as follows:

If to the City: City of Columbia
1737 Main Street
Columbia, South Carolina 29217-0147
Attention: City Manager

If to the Purchaser: _____

Attention: _____

Section 13 Repeal of Inconsistent Ordinances and Resolutions. All ordinances and resolutions of the City, and any part of any ordinance or resolution, inconsistent with this Third Supplemental Ordinance are hereby repealed to the extent of such inconsistency.

Section 14 Severability. If any sections, phrase, sentence or portion of this Third Supplemental Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision, and such holding shall not attest the validity of the remaining portions thereof.

Section 15 Effective Date. This Third Supplemental Ordinance shall be effective upon its adoption by the City Council for the City of Columbia, South Carolina.

Enacted by the City Council of the City of Columbia, South Carolina, this ____ day of _____, 2017.

CITY COUNCIL OF THE CITY OF COLUMBIA,
SOUTH CAROLINA

By: _____
Mayor

(SEAL)

ATTEST:

Clerk
Date of First Reading:
Date of Second Reading:

EXHIBIT A

FORM OF 2017 BOND

CITY OF COLUMBIA, SOUTH CAROLINA
SPECIAL OBLIGATION [BOND][NOTE]
(HOSPITALITY FEE PLEDGE), SERIES 2017

No. R-____

Interest Rate

Maturity Date

Issue Date

(As set forth in Schedule I herein)

Registered Holder:

Principal Amount:

THE CITY OF COLUMBIA, SOUTH CAROLINA (the "City") a public body corporate and politic and a political subdivision of the State of South Carolina (the "State"), created and existing by virtue of the laws of the State, acknowledges itself indebted and for value received hereby promises to pay, solely as hereinafter provided, to the Registered Owner named above or registered assigns, the Principal Amount on the Maturity Date (each as set forth or referenced above), unless this [Bond][Note] be subject to redemption and shall have been redeemed prior thereto as hereinafter provided, and to pay interest thereon at the annual Interest Rate stated above (calculated on the basis of a 360-day year of twelve (12) 30-day months), until the obligation of the City with respect to the payment of such Principal Amount shall be discharged. Interest on this [Bond][Note] shall be payable in [semiannual][annual] installments on [_____ 1 and] _____1 of each year beginning _____, [2017] (each, an "Interest Payment Date"), until maturity or earlier redemption. All payments shall be paid to the person in whose name this [Bond][Note] is registered pursuant to written instructions given to the City by the Registered Holder. The payments are payable in any coin or currency of the United States of America which at the time of payment is legal tender for the payment of public and private debts.

THIS [BOND][NOTE] HAS BEEN ISSUED UNDER THE PROVISIONS OF TITLE 6, CHAPTER 17 AND CHAPTER 1, ARTICLE 7, CODE OF LAWS OF SOUTH CAROLINA, 1976, AS AMENDED (COLLECTIVELY, THE "ACT"); THIS [BOND][NOTE] DOES NOT CONSTITUTE AN INDEBTEDNESS OF THE CITY WITHIN THE MEANING OF ANY STATE CONSTITUTIONAL PROVISION (EXCEPT ARTICLE X, SECTION 14(10) OF THE STATE CONSTITUTION AUTHORIZING INDEBTEDNESS PAYABLE SOLELY FROM A SOURCE OF REVENUE DERIVED OTHER THAN A TAX OR LICENSE) OR STATUTORY LIMITATION. THE CITY IS NOT OBLIGATED TO PAY ANY OF THIS [BOND][NOTE] OR THE INTEREST THEREON EXCEPT FROM HOSPITALITY FEES (AS DEFINED IN THE ORDINANCES). THIS [BOND][NOTE] IS NOT A GENERAL OBLIGATION OF THE CITY, THE STATE, OR ANY POLITICAL SUBDIVISION THEREOF AND NEITHER THE FULL FAITH AND CREDIT NOR THE GENERAL CREDIT NOR TAXING POWERS OF THE CITY, THE STATE OR ANY POLITICAL SUBDIVISION THEREOF.

This [Bond][Note] is issued pursuant to and in accordance with the Constitution and statutes of the State, including particularly the Act, General Bond Ordinance No. 2011-63 duly enacted by the Council on August 30, 2011, as amended and supplemented (as so amended and supplemented, the "Bond Ordinances"), including as supplemented particularly by Third Supplemental Ordinance No. _____ duly enacted by the City Council of the City (the "Council") on _____, 2017 (the "Third Supplemental Ordinance") for the purpose of providing moneys, to refinance the Museum Debt (as defined in the Third Supplemental Ordinance) and to pay issuance costs relating to this [Bond][Note], as more particularly permitted by the Third Supplemental Ordinance.

Certain capitalized terms used herein and not otherwise defined shall have the meanings ascribed thereto in the Bond Ordinances. Certified copies of the Third Supplemental Ordinance and the Bond Ordinances are on file with the City and in the office of the Clerk of Court for Richland County, South Carolina.

The Ordinances contain provisions defining terms, set forth the revenues pledged for the payment of the principal of and interest on this [Bond][Note] and the Bonds of other series herewith which may hereafter be issued on a parity herewith under the Ordinances; set forth the nature, extent and manner of enforcement of the security of this [Bond][Note] and of such pledge, and the rights and remedies of the Holder hereof with respect thereto; set forth the terms and conditions upon which and the extent to which the Ordinances may be altered, modified and amended; set forth the terms and conditions upon which this [Bond][Note] is issued upon which other bonds may be hereinafter issued payable as to principal, premium, if any, and interest on a parity with this [Bond][Note] and equally and ratably secured herewith; sets forth the rights, duties and obligations of the City thereunder; and set forth the terms and conditions upon which the pledge made in the Ordinances for the security of this [Bond][Note] and upon which the covenants, agreements and other obligations of the City made therein may be discharged at or prior to the maturity or redemption of this [Bond][Note] with provisions for the payment thereof in the manner set forth in the Ordinances. Reference is hereby made to the Ordinances to all of the provisions of which any holder of this [Bond][Note] by the acceptance hereof thereby assents. The provisions of the Act and the Ordinances shall be a contract with the holder of this [Bond][Note].

This [Bond][Note] and the interest thereon is a special obligation of the City and is secured by and payable solely from a pledge of upon the Hospitality Fees imposed and collected by the City, which pledge is on a parity with the pledge thereof securing the \$14,825,000 principal amount City of Columbia, South Carolina, Special Obligation Refunding Bonds (Hospitality Fee Pledge), Series 2012, the \$26,175,000 principal amount City of Columbia, South Carolina, Special Obligation Bonds (Hospitality Fee Pledge), Series 2014, and any other Bonds (as defined in the Bond Ordinances) issued hereafter.

This [Bond][Note] and the interest hereon is exempt from all State, county, municipal, school district, and all other taxes or assessments imposed within the State, direct or indirect, general or special, whether imposed for the purpose of general revenue or otherwise, except inheritance, estate, transfer and certain franchise taxes.

This [Bond][Note] is transferable only upon the registration books of the City kept for that purpose and maintained by the City, by the Holder hereof in person or by his duly authorized attorney, upon (a) surrender of this [Bond][Note] and an assignment with a written instrument of transfer satisfactory to the City, duly executed by the Holder hereof or his duly authorized attorney and (b) payment of the charges, if any, incurred as a consequence thereof. Thereupon a Bond of the same aggregate principal amount, maturity and interest rate shall be issued to the transferee in exchange therefor. The City may deem and treat the person in whose name this [Bond][Note] is registered as the absolute owner hereof for the purpose of receiving payment of or on account of the principal or redemption price hereof and interest due hereon and for all other purposes.

For every exchange or transfer of this [Bond][Note], the City may make a charge sufficient to reimburse it for any tax, fee or other governmental charge required to be paid with respect to such exchange or transfer.

[Redemption Provisions]

In the event this [Bond][Note] or a portion thereof is called for redemption, the City shall give notice of redemption by first-class mail, postage prepaid, to the Holder hereof as shown on the Books of

Registry of the City not less than _____ days prior to the date fixed for the redemption thereof. If this [Bond][Note] be redeemable and shall have been duly called for redemption and notice of the redemption hereof mailed as aforesaid, and if on or before the date fixed for such redemption, payment thereof shall be duly made or provided for, interest hereon shall cease or accrue from and after the redemption date hereof.

It is hereby certified and recited that all conditions, acts and things required by the Constitution and statutes of the State to exist, be performed or happen precedent to or in the issuance of this [Bond][Note], exist, have been performed and have happened, that the amount of this [Bond][Note], together with all other indebtedness of the City, does not exceed any limit prescribed by such Constitution or statutes.

IN WITNESS WHEREOF, THE CITY OF COLUMBIA, SOUTH CAROLINA has caused this [Bond][Note] to be signed by the manual or facsimile signature of its Mayor, its corporate seal to be reproduced hereon and the same to be attested by the manual or facsimile signature of its City Clerk.

CITY OF COLUMBIA, SOUTH CAROLINA

By: _____
Mayor

(SEAL)

ATTEST:

By: _____
City Clerk

[REGISTRATION]

This [Bond][Note] has been registered in the name of _____ on the registry books kept by the City of Columbia, South Carolina.

Dated this ____ day of _____, 2017.

City Clerk, City of Columbia, South Carolina]

[CERTIFICATE OF AUTHENTICATION

This Bond is one of the Bonds of the issue described in the within mentioned Ordinance.

Regions Bank, as Trustee

By: _____
Its: _____

Date: _____]

IT IS HEREBY CERTIFIED that the following is a true and correct copy of the approving opinion of McNair Law Firm, P.A., Columbia, South Carolina, the original of which was manually executed, dated and issued as of the date of the delivery of and payment for the bonds, and a copy of which is on file with the City.

THE CITY OF COLUMBIA, SOUTH CAROLINA

By: _____
City Clerk

FORM OF ASSIGNMENT

FOR VALUE RECEIVED the undersigned hereby sells, assigns and transfers unto

(Please print or type name and address of Transferee and Social Security or other identifying number of Transferee)

the within Bond and all rights and title thereunder, and hereby irrevocably constitutes and appoints attorney to transfer the within Bond on the books kept for registration thereof, with full power of substitution in the premises.

Date: _____

STAMP Language

Signature Guaranteed: _____

NOTICE: Signature(s) must be guaranteed
By an institution which is a participant in the
Securities Transfer Agent Medallion Program
(STAMP) or similar program.

NOTICE: The signature to this assignment
must correspond with name as it appears
upon the face of the within bond in every
particular, without alteration or enlargement
or any change whatever.

EXHIBIT B

FORM OF PROPOSAL



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Public & Media Relations

FROM: *Leshia Utsey, Director*

SUBJECT: Majors Roger and Melody Coulson Day - The Honorable Mayor Stephen K. Benjamin

PRESENTER: City Manager Teresa Wilson

FINANCIAL IMPACT:

CLEAN WATER 2020?: No

STRATEGIC GOALS: Foster a healthy quality of life

Majors Coulsons have served 33 years of service with The Salvation Army and 6.5 years were with The Midlands in South Carolina.

ATTACHMENTS:

- **#a:** Majors Coulsons Proclamation (PDF)



A Proclamation

WHEREAS, Majors Roger and Melody Coulson have served nearly 33 years of service in The Salvation Army, and;

WHEREAS, their passion is the work of the Army with people in the Corps and Centers of Service, and;

WHEREAS, the two were appointed to Columbia, South Carolina as the Regional Coordinator/Corps Officer and the Associate Regional Coordinator/Corps Officer in 2011, and;

WHEREAS, in their six and a half years of service in the Midlands of South Carolina, they purchased and renovated facilities to provide a permanent location for Salvation Army ministry and service in the area; reestablished Salvation Army programs and services to the community, and;

WHEREAS, last year over 225,000 meals were provided to the homeless because of the partnership they developed with Transitions; their social services worker force was expanded and a program director was hired to oversee the expansion; they joined other Salvation Army locations in the implementation of the Pathway of Hope initiative designed to deal with generational poverty in an attempt to break that cycle, and;

WHEREAS, in May 2017, 27 students graduated from the After School Reading program they developed; 50 children attend the Summer Day Camp they developed; 60 young people will participate in a fresh air camp in North Carolina this summer, and;

WHEREAS, they were able to respond to the 1,000 year flood with food, clean up kits and other material support; continue to provide financial assistance to flood survivors; increased income sources by over \$500,000 annually.

NOW, THEREFORE, I, Stephen K. Benjamin, Mayor of the City of Columbia, South Carolina, along with my fellow members of Columbia City Council, do hereby proclaim June 18, 2017 as

Majors Roger and Melody Coulson Day

Stephen K. Benjamin
Mayor

Sam Davis
District I, Council Member

Tameika Isaac Devine
At-Large, Council Member

Howard E. Duvall, Jr.
At-Large, Council Member

Edward McDowell, Jr.
District II, Council Member

Daniel J. Rickenmann
District IV, Council Member



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Community Development

FROM: Gloria Saeed, Interim Director

SUBJECT: National Homeownership Month and Preserving the Dream Award Presentation - Ms. Gloria Saeed, Community Development Director

PRESENTER: Felicia C Kilgore

FINANCIAL IMPACT:

CLEAN WATER 2020?: No

The Community Development Department is requesting that the following items be placed on the June 6, 2017 City Council agenda.

- The Community Development Department will also make a presentation to Mr. Drink Small: “*Preserving The Dream*” Certificate.
- CD will host a Press Conference on Friday, June 9, 2017 in Recognition of National Homeownership Month at Riverfront Park located at 312 Laurel Street from 11:00am-1:00pm with hotdogs and refreshments.
- Homebuyer Workshop scheduled Saturday, June 10, 2017 at Earlewood Park located at 1111 Parkside Drive from 9:00am - 1:00pm.

Please let me know if you have any questions or contact Felicia Kilgore at (803) 545-3046.

ATTACHMENTS:

- **#a:** Memo for City Council Agenda HomeownershipMonthJune2017 (2) (DOC)



INTEROFFICE MEMORANDUM

DATE: May 11, 2017

TO: Erika Moore, City Clerk

CC: Teresa Wilson, City Manager
Niki Daniels, Office of City Clerk

FROM: Gloria Saeed, Community Development Director

SUBJECT: Request for City Council Agenda (6/6/2017) - National Homeownership Month Presentation of "Preserving The Dream" Awards for 2017 Homeownership Month.

The Community Development Department is requesting that the following items be placed on the June 6, 2017 City Council agenda.

- The Community Development Department will also make a presentation to Mr. Drink Small: *"Preserving The Dream"* Certificate.
- CD will host a Press Conference on Friday, June 9, 2017 in Recognition of National Homeownership Month at Riverfront Park located at 312 Laurel Street from 11:00am-1:00pm with hotdogs and refreshments.
- Homebuyer Workshop scheduled Saturday, June 10, 2017 at Earlewood Park located at 1111 Parkside Drive from 9:00am - 1:00pm.

Please let me know if you have any questions or contact Felicia Kilgore at (803) 545-3046.



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Budget & Program Management

FROM: *Missy Caughman,*

SUBJECT: Fiscal Year 2017/2018 Budget Presentation - Ms. Melisa Caughman, Budget and Program Management Director

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** FY 17-18 Budget Public Hearing (PDF)

City of Columbia

FY 2017 / 2018

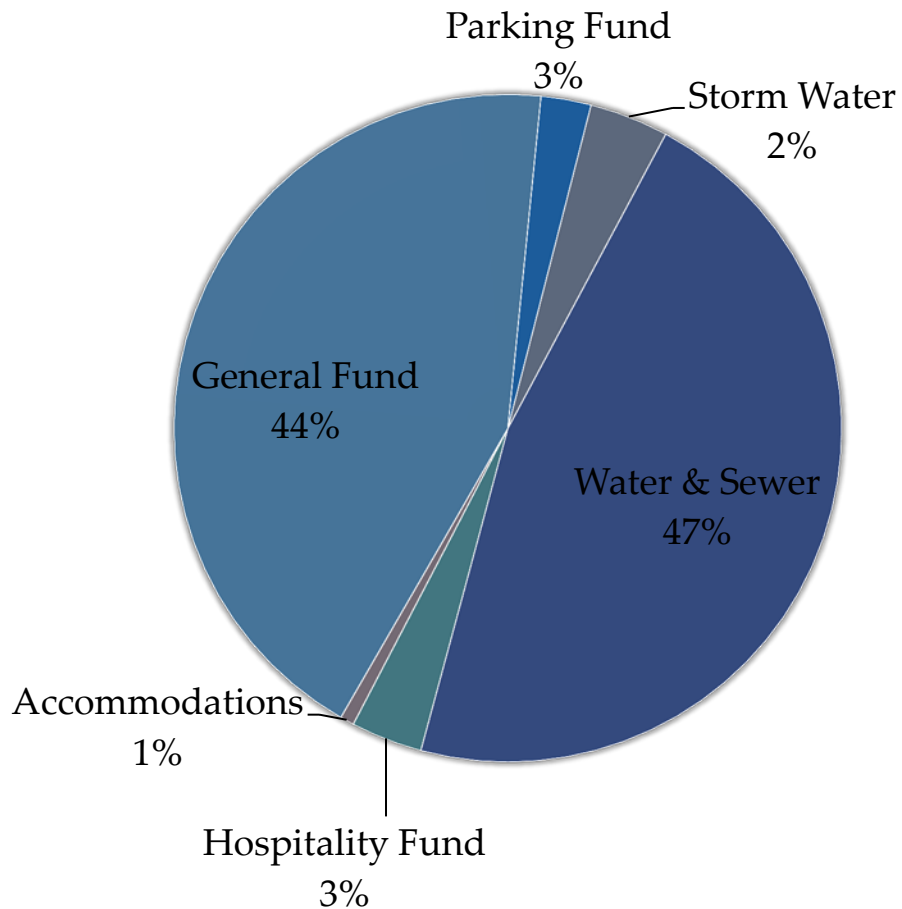
Budget Public Hearing

June 13, 2017



FY 2017/2018 Proposed Operating Budget All Funds

\$329,857,239



General Fund	\$142,680,401
Parking Fund	\$8,008,231
Storm Water	\$12,630,100
Water & Sewer	\$152,886,000
Hospitality Fund	\$11,426,263
Accommodations	\$2,226,244

FY 17/18 Capital Improvement Program

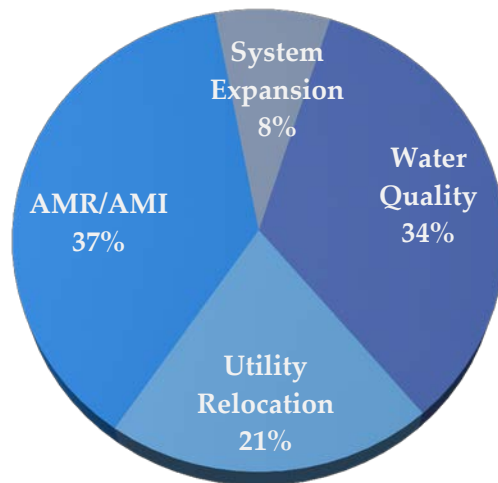
Enterprise Funds

- Water & Sewer
- Storm Water

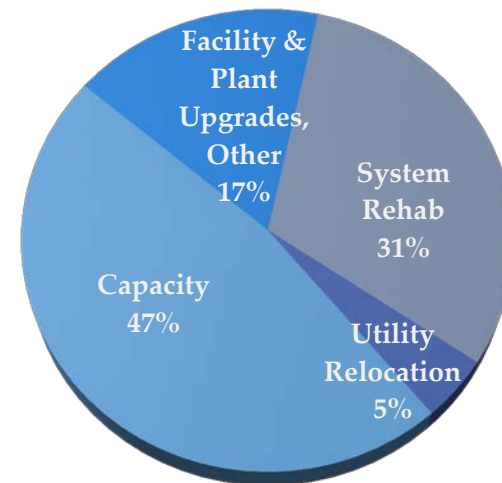
6/9/2017

FY 17 / 18 Water & Sewer Capital Improvement Program

Water CIP \$40,000,000



Sewer CIP \$80,000,000



- Capital Improvement Program (CIP) \$120,000,000
 - 40M for Water CIP – water quality, AMI/AMR, utility relocation
 - \$80M Sewer CIP is focused Clean Water 2020/CD related projects; sewer rehab; system upgrades and capacity enhancements
- Water & Sewer CIP is funded with \$12,300,000 transfer from operating budget, \$107,700,000 to be funded with proposed bond & cash reserves

Storm Water 5 Year Capital Improvement Program - \$93M

Project	Description	Type of Improvement	Branch	Watershed	Council District	FY 16/17 Funded	FY 17/18 Needed	FY 18/19 Needed	FY 19/20 Needed	Total
SD8431	Whaley and Main upgrade	Improvement	Rocky Branch	Lower Congaree	2		\$ 300,000	\$ 1,350,000	\$ 1,350,000	\$ 3,000,000
SD8386	Harlem Heights Drainage Project	Improvement	Smith Branch	Broad River	1		\$ 1,000,000			\$ 1,000,000
SD8433	MLK/Greg Property Detention	Improvement	Rocky Branch	Lower Congaree	2,3		\$ 100,000	\$ 700,000		\$ 800,000
SD8407	Wallace Street Improvements	Improvement	Smith Branch	Broad River	1	\$ 2,000,000	\$ 500,000			\$ 500,000
SD832502	Shandon phase II	Improvement	Gills Creek	Gills Creek	3		\$ 1,000,000	\$11,500,000		\$12,500,000
SD8371	Penn Branch	Improvement	Penn Branch	Gills Creek	4			\$ 500,000	\$ 500,000	\$ 1,000,000
SD8059B	Randall Avenue	Improvement	Smith Branch	Broad River	1		\$ 200,000	\$ 1,800,000		\$ 2,000,000
SD8159	Gregg Street & Gervais Street, Phase 2	Improvement	Rocky Branch	Lower Congaree	3		\$ 150,000	\$ 8,850,000		\$ 9,000,000
SD8423	Sumter/Catawba Detention	Improvement	Rocky Branch	Lower Congaree	2	\$ 1,000,000	\$ 25,000	\$ 975,000		\$ 1,000,000
SD8395	Taylor/Washington 60" Improvement	Improvement	Rocky Branch	Lower Congaree	2		\$ 150,000	\$ 1,350,000		\$ 1,500,000
SD8435	Whaley at Railroad Crossing	Improvement	Rocky Branch	Lower Congaree	2		\$ 100,000	\$ 900,000		\$ 1,000,000
SD8434	Stream Restoration along Rocky Branch	Improvement	Rocky Branch	Lower Congaree	3		\$ 500,000			\$ 500,000
SD8013	Eightmile Branch from Danfield to Chinaberry	Improvement	Eightmile Branch	Gills Creek	2		\$ 50,000	\$ 350,000		\$ 400,000
SD8437	4000 Old Leesburg	Improvement	Wildcat Branch	Gills Creek	4		\$ 350,000			\$ 350,000
SD8432	Windsor Hill Evaluation and Flood Study	Improvement	Rocky Branch	Lower Congaree	1		\$ 350,000			\$ 350,000
SD8438	800 King and Queen Street from Lee to Preston	Improvement	Rocky Branch	Lower Congaree	3		\$ 350,000			\$ 350,000
SDXXXX	Sumter and Marion Streets Bio-retention Bumpouts	Improvement	Smith Branch	Broad River			\$ 140,000	\$ 1,260,000		\$ 1,400,000
SDXXXX	Gills Creek Debris Removal	Maintenance	Gills Creek	Gills Creek	3		\$10,000,000			\$10,000,000
	Project Management for Bond Projects	Project Management					\$ 4,650,000			\$ 4,650,000
SD8049	Smith Branch Drainage Area - Tier 1 (not included as separate projects)	Improvement	Smith Branch	Broad River	1, 2				\$10,912,500	\$10,912,500
SD8436	Rocky Branch Watershed Plan Tier 1 (not included as separate projects)	Improvement	Rocky Branch	Lower Congaree	3				\$10,912,500	\$10,912,500
SD8049	Smith Branch Drainage Area - Tier 2 (not included as separate projects)	Improvement	Smith Branch	Broad River	1, 2				\$10,912,500	\$10,912,500
SD8436	Rocky Branch Watershed Plan Tier 2 (not included as separate projects)	Improvement	Rocky Branch	Lower Congaree	3				\$ 8,962,500	\$ 8,962,500
Storm Water Total						\$ 3,000,000	\$19,915,000	\$29,535,000	\$43,962,500	



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-044 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article V, Water and Sewer Rates, Sec. 23-143 Water service rates and Sec. 23-149 Sewer service rates (a) and (b)

FINANCIAL IMPACT:

STRATEGIC GOALS: Provide high quality municipal services

ATTACHMENTS:

- **#a:** 2017-044 amend Sec 23-143 Water service rates and Sec. 23-149 Sewer service rates (PDF)

ORDINANCE NO.: 2017-044

Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article V, Water and Sewer Rates, Sec. 23-143 Water service rates and Sec. 23-149 Sewer service rates (a) and (b)

BE IT ORDAINED by the Mayor and Council this __ day of _____, 2017, that the 1998 Code of Ordinances of The City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article V, Water and Sewer Rates, and Sec. 23-149 Sewer service rates (a) and (b), are amended to read as follows:

Sec. 23-143. Water service rates.

Generally. Except as otherwise provided by contract, monthly water service charges shall be as follows:

Monthly Water Use (cubic feet)	Meter Size (inches)	Inside City		Out of City	
		Current	Proposed	Current	Proposed
Minimum--300	3/4"	\$6.60	\$6.91	\$11.22	\$11.75
	1"	\$11.02	\$11.54	\$18.73	\$19.62
	1.5"	\$16.50	\$11.28	\$28.05	\$29.38
	2"	\$26.40	\$27.65	\$44.88	\$47.01
	3"	\$52.80	\$55.31	\$89.76	\$94.02
	4"	\$82.50	\$86.42	\$140.25	\$146.91
	6"	\$165.20	\$173.05	\$280.84	\$294.18
	8"	\$264.00	\$276.54	\$448.80	\$470.12
	10"	\$524.17	\$549.07	\$891.09	\$933.42
Additional charge per 100 cubic feet					

Volumetric Charges are based on the customer category.

Monthly Water Use (cubic feet)	Inside City		Out of City	
	Current	Proposed	Current	Proposed
Residential:				
Next 9,700	\$2.37	\$2.48	\$4.03	\$4.22
Next 90,000	\$2.25	\$2.36	\$3.83	\$4.01
Over 100,000	\$2.13	\$2.23	\$3.62	\$3.79
Irrigation:				
Next 9,700	\$4.03	\$4.22	\$6.85	\$7.17
Next 90,000	\$3.83	\$4.01	\$6.51	\$6.82
Over 100,000	\$3.62	\$3.79	\$6.16	\$6.45
All others:				
Next 9,700	\$2.25	\$2.36	\$3.83	\$4.01
Next 90,000	\$2.13	\$2.23	\$3.62	\$3.79
Over 100,000	\$2.00	\$2.09	\$3.39	\$3.55

Sec. 23-149. Sewer service rates.

(a) Generally. Except as otherwise provided by contract, the monthly sewer service charge shall be as follows:

Size of Meter (inches)	In City		Out of City	
	Current	Proposed	Current	Proposed
5/8	\$6.60	\$6.91	\$11.22	\$11.75
1	\$6.60	\$6.91	\$11.22	\$11.75
1½	\$6.60	\$6.91	\$11.22	\$11.75
2	\$10.56	\$11.06	\$17.95	\$18.80
3	\$21.12	\$22.12	\$35.90	\$37.60
4	\$33.00	\$34.57	\$56.10	\$58.76
6	\$66.00	\$69.13	\$112.20	\$117.53
8	\$105.60	\$110.62	\$179.52	\$188.05
10	\$165.00	\$172.84	\$280.50	\$293.82

Monthly Water Use (cubic feet)	Monthly Sewer Service Charge			
	In City		Out of City	
	Current	Proposed	Current	Proposed
Each 100 cubic feet	\$3.43	\$3.59	\$5.83	\$6.11

(b) Consumers using water cooling towers for air conditioning. Consumers using water cooling towers for air conditioning systems shall be given a credit of 30 cubic feet per ton per month during the service periods commencing in the months of April through October. The minimum charge shall be:

Size of Meter (inches)	In City		Out of City	
	Current	Proposed	Current	Proposed
5/8	\$10.70	\$11.21	\$13.61	\$14.26
1	\$15.09	\$15.81	\$19.92	\$20.87
1½	\$19.47	\$20.39	\$26.24	\$27.49
2	\$28.23	\$29.57	\$38.84	\$40.68
3	\$45.75	\$47.92	\$64.08	\$67.12
4	\$80.78	\$84.62	\$114.54	\$119.98
6	\$168.37	\$176.37	\$240.72	\$252.15
8	\$238.43	\$249.75	\$341.66	\$357.89
10	\$525.25	\$550.20	\$754.89	\$790.75

(c) Limitation on charge on single-family residences. Maximum sewer charge on single-family residences during the service periods commencing in the months of April through October will be 1,400 cubic feet.

(d) Apartments and trailer parks. Sewer rates for apartment buildings and trailer parks shall be the base rate of a single-family residence per dwelling unit plus a base fee based on meter connection size plus the rate per 100 cubic feet as reflected by water consumption.

(e) Hotels, motels, dormitories and roominghouses. Sewer rates for hotels, motels, dormitories and roominghouses shall be one-half the base rate of a single-family residence per room plus a base fee based on meter connection size plus the rate per 100 cubic feet as reflected by water consumption.

(f) Contaminated groundwater. Separate meters for discharges of contaminated groundwater are required. In city or out of city customers discharging contaminated ground water shall pay the out of city base monthly sewer service charge times one and one-half plus the out of city monthly sewer service charge for each 100 cubic feet times one and one-half.

This ordinance is effective as of July 1, 2017.

Requested by:

Mayor and City Council _____

Mayor

Approved by:

City Manager

Approved as to form:



City Attorney

ATTEST:

City Clerk

Public Hearing:

Introduced:

Final Reading:



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-049 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article VII, Stormwater Management, Sec. 23-205 Stormwater service charge rates (b)

FINANCIAL IMPACT:

STRATEGIC GOALS: Foster a healthy quality of life, Provide high quality municipal services

ATTACHMENTS:

- **#a:** 2017-049 amend Sec 23-205 Stormwater service charge rates (b) (PDF)

ORDINANCE NO.: 2017-049

Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article VII, Stormwater Management, Sec. 23-205 Stormwater service charge rates (b)

BE IT ORDAINED by the Mayor and Council this ___ day of _____, 2017, that the 1998 Code of Ordinances of The City of Columbia, South Carolina, Chapter 23, Utilities and Engineering, Article VII, Stormwater Management, Sec. 23-205 Stormwater service charge rates (b), is amended to read as follows:

Sec. 23-205. Stormwater service charge rates.

(a) Stormwater service charge rates may be determined and modified from time to time by the Columbia City Council so that the total revenue generated by said charges and any other sources of revenues or other resources allocated to stormwater management by the city council to the stormwater management utility shall be sufficient to meet the cost of stormwater management services, systems, and facilities, including but not limited to the payment of principal and interest on debt obligations, operating expense, capital outlays, non-operating expense, provisions for prudent reserves, and other costs as deemed appropriate by the city council. The following stormwater service charge rates shall apply:

(1) Detached single-family dwelling units. Detached single-family dwelling units, as defined by this ordinance, shall be billed for one equivalent residential unit, as defined in this article.

(2) Other developed lands. All developed lands not classified as detached single-family dwelling units, as defined by this ordinance, shall be billed for one equivalent residential unit for each 2,454 square feet or fraction thereof of impervious area on the subject property. There will be no service charge for developed lands with fewer than 600 square feet of impervious area.

(b) The monthly stormwater service charge rate per equivalent residential unit, as defined in this ordinance, shall be: ~~\$6.80 per month.~~

\$ 11.80 Beginning July 1, 2017

\$ 12.54 Beginning July 1, 2018

\$ 13.32 Beginning July 1, 2019

\$ 14.15 Beginning July 1, 2020

\$ 15.03 Beginning July 1, 2021

This ordinance is effective as of July 1, 2017.

Requested by:

Mayor Benjamin _____

Mayor

Approved by:

City Manager

Approved as to form:



City Attorney

ATTEST:

City Clerk

Introduced:

Final Reading:



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-048 - To Raise Revenue and Adopt the Budget for the City of Columbia, South Carolina, for the Fiscal Year ending June 30, 2018

FINANCIAL IMPACT:

STRATEGIC GOALS: Collaborate and partner with entities, Connect the City's neighborhoods and business dist, Foster a healthy quality of life, Grow opportunities for entrepreneurship, Provide high quality municipal services

ATTACHMENTS:

- **#a:** 2017-048 Adopt 2017-2018 Budget (PDF)
- **#b:** FY 17-18 Proposed Budget - Operating (2) (PDF)

ORDINANCE NO.: 2017-048

To Raise Revenue and Adopt the Budget for the City of Columbia, South Carolina, for the Fiscal Year ending June 30, 2018

BE IT ORDAINED by the Mayor and Council this ____ day of _____, 2017:

Section 1. That a tax to cover the period from the first day of July 2017, to the thirtieth day of June 2018, both inclusive, for the sums and in the manner hereinafter mentioned, is and shall be levied, collected and paid into the treasury of Richland and Lexington Counties, South Carolina, for the credit to The City of Columbia, South Carolina, for the use and service thereof; that is to say, a tax rate of ~~ninety-six and one tenth (96.1)~~ **ninety-eight and one tenth (98.1)** mills, on the value of all real estate and personal property of every description owned and used in The City of Columbia, South Carolina, except such as is exempt from taxation under the Constitution and law of the State of South Carolina, is and shall be levied and paid into the County Treasury for the credit to The City of Columbia for the corporate purposes, permanent improvements, for the purpose of paying current expenses, and for the payment of interest and retiring outstanding bonds of the said City. Such tax is levied on such property as assessed for taxation for County and State purposes.

Section 2. That the budget heretofore adopted by the City Council and the estimated revenue for the payment of same is hereby adopted and is hereby made a part hereof as fully as if incorporated herein and a copy thereof is attached hereto.

Section 3. That the billing dates, the penalty dates, and the amount of penalty which shall be levied for delinquent taxes shall be the same as those established by Richland and Lexington Counties pursuant to State Law.

Section 4. That the City Manager shall administer the budget and may authorize the following to achieve the goals of this budget:

- a. Authorize the transfer of appropriated funds within and between departments and funds as necessary.
- b. Controls shall be made by fund appropriation.
- c. Designate continuing projects from fund balances.

Encumbrances will be carried over to the next year as a reserve to the fund balance.

Expenditures approved by council shall automatically carry amendments to fund appropriation where necessary.

Section 5. If for any reason any sentence, clause or provision of this ordinance shall be declared invalid, such shall not affect the remaining provisions hereof.

Requested by:

City Manager _____

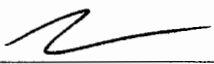
Mayor _____

Approved by:

City Manager _____

Approved as to form:

ATTEST:

City Attorney  _____

City Clerk _____

Public Hearing:

Introduced:

Final Reading:



FY 17-18 Proposed Operating Budget Summaries

General Fund
Water & Sewer Operating
Storm Water Operating
Parking Fund
Hospitality Tax
Accommodations Tax



GENERAL FUND SUMMARY

FY 2017/2018

	BUDGET FY 16/17	PROPOSED FY 17/18	Increase / (Decrease)	% Change
<u>REVENUE</u>				
GENERAL PROPERTY TAX	53,241,097	55,702,136	2,461,039	5%
LICENSES AND PERMITS	39,654,866	40,749,189	1,094,323	3%
FROM OTHER AGENCIES	15,037,877	15,953,090	915,213	6%
CURRENT SERVICE CHARGES	14,629,628	17,385,686	2,756,058	19%
FINES & FORFEITURES	1,102,000	918,000	(184,000)	-17%
MISCELLANEOUS REVENUE	119,900	200,300	80,400	67%
INTEREST ON INVESTMENT	100,000	150,000	50,000	50%
RENTS & SALE OF PROPERTY	390,000	397,000	7,000	2%
TOTAL REVENUE	124,275,368	131,455,401	7,180,033	6%
<u>TRANSFERS IN</u>				
FROM OTHER FUNDS	-	-	-	-
FROM ACCOMMODATIONS TAX	25,000	25,000	-	0%
FROM HOSPITALITY TAX	3,000,000	3,700,000	700,000	23%
FROM CAPITAL LEASE PROCEEDS	8,000,000	4,000,000	(4,000,000)	-50%
PUBLIC SAFETY TRANSFER	-	-	-	-
FROM PARKING FUND	500,000	500,000	-	0%
FROM UN-APPROPRIATED SURPLUS	3,000,000	3,000,000	-	0%
TOTAL TRANSFERS IN	14,525,000	11,225,000	(3,300,000)	-23%
TOTAL GENERAL FUND REV & TRANS	138,800,368	142,680,401	3,880,033	3%
<u>DEPARTMENTS</u>				
LEGISLATIVE - MAYOR & CITY COUNCIL	798,216	808,979	10,763	1%
ADMINISTRATION - CITY MANAGER	487,993	644,234	156,241	32%
GOVERNMENTAL AFFAIRS	468,026	496,962	28,936	6%
ADMINISTRATION - ACM OPERATIONS	353,870	357,693	3,823	1%
ADMINISTRATION - CHIEF FINANCIAL OFFICER	194,760	206,845	12,085	6%
ADMINISTRATION - SR. ASSISTANT CM	331,245	354,393	23,148	7%
HUMAN RESOURCES	1,067,335	1,113,100	45,765	4%
BUDGET & PROGRAM MANAGEMENT OFFICE	381,080	392,228	11,148	3%
PUBLIC RELATIONS	587,038	724,085	137,047	23%
COUNCIL SUPPORT SERVICES	448,543	558,565	110,022	25%
LEGAL	1,975,142	2,147,350	172,208	9%
MUNICIPAL COURT	2,809,503	2,925,712	116,209	4%
FINANCE	2,025,261	2,200,819	175,558	9%
OFFICE OF BUSINESS OPPORTUNITIES	919,591	940,072	20,481	2%
COMMUNITY DEVELOPMENT	257,728	361,607	103,879	40%
PLANNING & DEV. SERVICES	3,381,638	3,601,494	219,856	7%
POLICE	37,965,244	39,791,606	1,826,362	5%
EMERGENCY MANAGEMENT	-	543,875	543,875	-
911 EMERGENCY COMMUNICATIONS	3,062,829	3,188,965	126,136	4%
FIRE	22,616,394	22,901,669	285,275	1%
PARKS & RECREATION	12,008,575	12,858,985	850,410	7%
PUBLIC WORKS	18,416,743	19,389,813	973,070	5%
GENERAL SERVICES	2,273,219	2,278,422	5,203	0%
INFORMATION TECHNOLOGY	3,897,558	4,098,644	201,086	5%
TOTAL DEPARTMENT	116,727,531	122,886,117	6,158,586	5%
<u>NON-DEPARTMENTAL & MISC.</u>				
COMMUNITY PROMOTIONS	432,000	50,000	(382,000)	-88%
CAPITAL LEASE PURCHASE	2,089,871	2,687,635	597,764	29%
SOLICITOR'S OFFICE	215,817	215,817	-	0%
PUBLIC DEFENDER	100,000	100,000	-	0%
HOMELESS SERVICES	1,000,000	1,000,000	-	0%
DETENTION CENTER PER DIEM	500,000	600,000	100,000	20%
NON-DEPARTMENTAL & MISC.	40,000	40,000	-	0%
OFFICE SPACE LEASE - 1225 LADY STREET	505,000	542,000	37,000	7%
TOTAL NON-DEPARTMENTAL	4,882,688	5,235,452	352,764	7%
TOTAL EXPENDITURES	121,610,219	128,121,569	(3,079,368)	-2%
<u>TRANSFERS OUT</u>				
TO INTERNAL SERVICE FUNDS	2,203,881	3,173,002	969,121	44%
TO DEBT SERVICE	5,508,715	5,814,150	305,435	6%
TO COMPONENT UNIT	1,477,553	1,571,680	94,127	6%
TO CAPITAL IMPROVEMENTS	-	-	-	-
TO CAPITAL REPLACEMENTS	8,000,000	4,000,000	(4,000,000)	-50%
TOTAL TRANSFERS OUT	17,190,149	14,558,832	(2,631,317)	-15%
TOTAL BUDGET	138,800,368	142,680,401	3,880,033	3%
TOTAL SURPLUS/(DEFICIT)	0	0		

WATER/SEWER OPERATING FUND SUMMARY
FY 2017/2018

	BUDGET FY 16/17	PROPOSED FY 17/18	Increase / (Decrease)	% Change
<u>REVENUE</u>				
WATER SALES	86,653,960	89,058,186	2,404,226	2.8%
SEWER SALES	55,124,970	61,666,337	6,541,367	11.9%
MISCELLANEOUS REVENUE	16,070	24,881	8,811	54.8%
FINES AND FORFEITURES	320,000	530,166	210,166	65.7%
TOTAL OPERATING REVENUES	142,115,000	151,279,570	9,164,570	6.4%
<u>NON-OPERATING REVENUE & TRANSFERS IN</u>				
INTEREST	950,000	1,445,709	495,709	52.2%
RENTS & USE OF PROPERTY	150,000	160,721	10,721	7.1%
TOTAL NON-OPERATING REVENUES	1,100,000	1,606,430	506,430	46.0%
TOTAL REVENUE & TRANSFERS IN	143,215,000	152,886,000	9,671,000	6.8%
<u>EXPENDITURES</u>				
FINANCE	4,111,218	2,056,332	(2,054,886)	-50.0%
FIRE HYDRANT MAINTENANCE	490,207	622,588	132,381	27.0%
POLICE - CSO/PUBLIC SAFETY	629,778	892,726	262,948	41.8%
PUBLIC WORKS-STREET REPAIR	1,259,884	1,282,263	22,379	1.8%
GENERAL SERVICES PUBLIC BLDGS.	1,788,764	2,301,190	512,426	28.6%
GIS MANAGEMENT	620,541	622,898	2,357	0.4%
CUSTOMER CARE CENTER	2,541,617	4,249,088	1,707,471	67.2%
UTILITIES	61,359,290	65,125,877	3,766,587	6.1%
ENGINEERING	8,626,568	12,312,383	3,685,815	42.7%
TOTAL OPERATING	81,427,867	89,465,345	8,037,478	9.9%
<u>Non-Operating Departments & Non-Departmental</u>				
ECONOMIC DEV DEPARTMENT	1,175,484	1,200,255	24,771	2.1%
TOTAL NON-OPERATING DEPARTMENTS	1,175,484	1,200,255	24,771	2.1%
DEPRECIATION	0			
DEBT SERVICE	31,030,000	32,086,000	1,056,000	3.4%
ECONOMIC DEV SPECIAL PROJECTS	78,500	78,500	-	0.0%
TECHNOLOGY REPLACEMENTS	496,149	0	(496,149)	-100.0%
NON-DEPARTMENTAL	85,000	35,000	(50,000)	-58.8%
BAD DEBT	300,000	268,900	(31,100)	-10.4%
RESERVE	3,217,000	1,157,320	(2,059,680)	-64.0%
TOTAL NON-DEPARTMENTAL OPERATING	35,206,649	33,625,720	(1,580,929)	-4.5%
<u>TRANSFERS OUT</u>				
TO GENERAL FUND/INDIRECT COST ALLOCATION	0	4,189,680	4,189,680	
TO FEMA/FLOOD RECOVERY	10,000,000	10,000,000	-	0.0%
TO WATER/SEWER CAPITAL IMP.	14,300,000	12,300,000	(2,000,000)	-14.0%
TO INTERNAL SERVICE FUNDS	1,105,000	2,105,000	1,000,000	90.5%
TOTAL TRANSFERS	25,405,000	28,594,680	3,189,680	12.6%
TOTAL BUDGET	143,215,000	152,886,000	9,671,000	6.8%
TOTAL SURPLUS/(DEFICIT)	0	0	-	

STORM WATER OPERATING SUMMARY
FY 2017/2018

	BUDGET FY 16/17	PROPOSED FY 17/18	Increase / (Decrease)	% Change
<u>REVENUE</u>				
<u>Operating Revenue</u>				
STORM WATER FEE	7,100,000	12,548,300	5,448,300	76.7%
STORM WATER INSPECTIONS	20,000	20,000	0	0.0%
STORM WATER REVIEW	15,000	15,000	0	0.0%
TOTAL OPERATING REVENUES	7,135,000	12,583,300	266,000	3.7%
<u>Non-operating Revenue & Transfers</u>				
INTEREST & USE OF PROPERTY	100,000	46,800	(53,200)	-53.2%
TOTAL NON-OPERATING REVENUES	100,000	46,800	(73,100)	-73.1%
TOTAL REVENUES & TRANSFERS IN	7,235,000	12,630,100	5,395,100	74.6%
<u>EXPENDITURES</u>				
<u>DEPARTMENTS</u>				
UTILITIES & ENGINEERING	2,098,715	2,216,240	117,525	5.6%
PUBLIC WORKS	3,347,969	3,715,360	367,391	11.0%
TOTAL DEPARTMENTS	5,446,684	5,931,600	484,916	8.9%
<u>NON-DEPARTMENTAL EXPENSES</u>				
GRANT MATCH		200,000		
DEPRECIATION	0	50,000		
DEBT SERVICE		1,593,800		
RESERVE	0	3,294,700		
TOTAL NON-DEPARTMENTAL	0	5,138,500	5,138,500	
<u>TRANSFERS OUT</u>				
TO GENERAL FUND/INDIRECT COST ALLOCATION		560,000		
TO STORM WATER CAPITAL PROJECTS	1,788,316	1,000,000		
TOTAL OTHER	1,788,316	1,560,000	(228,316)	1,631,879
TOTAL BUDGET	7,235,000	12,630,100	5,395,100	74.6%
TOTAL SURPLUS/(DEFICIT)	0	0		

PARKING OPERATING FUND SUMMARY
FY 2017/2018

	BUDGET FY 16/17	PROPOSED FY 17/18	Increase / (Decrease)	% Change
<u>OPERATING REVENUES</u>				
STREET PARKING METERS	2,350,000	2,350,000	-	0%
PARKING GARAGES	2,707,500	2,756,726	49,226	2%
PARKING LOTS	127,400	202,400	75,000	59%
MISCELLANEOUS REVENUE	9,250	9,250	-	0%
VALIDATIONS	4,000	0	(4,000)	-100%
IN-OUT PARKING	45,000	60,000	15,000	33%
PARKING METER BAG FEE	20,000	60,000	40,000	200%
NON-MOVING VIOLATIONS	2,000,000	1,900,000	(100,000)	-5%
TOTAL REVENUE	7,263,150	7,338,376	75,226	1%
<u>NON-OPERATING & TRANSFERS IN</u>				
INTEREST REVENUE	60,000	120,000	60,000	100%
RENTS & USE OF PROPERTY	108,675	108,675	-	0%
FROM FUND BALANCE	789,680	441,180	(348,500)	-44%
TOTAL NON-OPERATING & TRANSFERS	958,355	669,855	(288,500)	-30%
TOTAL REVENUES & TRANSFERS IN	8,221,505	8,008,231	(213,274)	-3%
<u>EXPENDITURES</u>				
<u>Operating Departments</u>				
FINANCE - PARKING PAYMENT SERVICES	131,963	136,700	4,737	4%
PARKING ADMINISTRATION	688,140	723,363	35,223	5%
PARKING ENFORCEMENT	1,466,755	1,598,042	131,287	9%
PARKING MAINTENANCE	1,524,608	1,739,447	214,839	14%
TRAFFIC - SIGN SHOP	97,991	100,646	2,655	3%
TOTAL OPERATING DEPARTMENTS	3,909,457	4,298,198	388,741	10%
<u>Non-Departmental</u>				
DEBT SERVICE	2,813,548	2,808,033	(5,515)	0%
NON-DEPARTMENTAL/MISC.	5,000	5,000	-	0%
RESERVE	10,000	10,000	-	0%
TOTAL NON-DEPARTMENTAL	2,828,548	2,823,033	(5,515)	0%
<u>TRANSFERS OUT</u>				
TO GENERAL FUND	500,000	500,000	-	0%
TO CAPITAL IMPROVEMENTS	693,500	0	(693,500)	-100%
TO RISK MANAGEMENT	20,000	180,000	160,000	800%
TO CENTRAL STORES	270,000	207,000	(63,000)	-23%
TOTAL TRANSFERS	1,483,500	887,000	(596,500)	-40%
TOTAL BUDGET	8,221,505	8,008,231	(213,274)	-3%
TOTAL SURPLUS/(DEFICIT)	0	0		

HOSPITALITY TAX SUMMARY

FY 2017/2018

	AMENDED FY 16/17	PROPOSED FY 17/18	Increase / (Decrease)	% Change
<u>REVENUES</u>				
HOSPITALITY TAX	10,775,200	11,371,250	596,050	5.5%
FINES & LATE FEES	20,000	40,000	20,000	100.0%
INTEREST			-	
TOTAL REVENUES	10,795,200	11,411,250	616,050	5.7%
<u>TRANSFERS IN & OTHER FINANCING</u>				
FM FUND BALANCE	330,918	15,013		
TOTAL REVENUE & TRANSFERS IN	11,126,118	11,426,263	300,145	3%
<u>EXPENDITURES</u>				
HOSPITALITY TAX COMMITTEE ALLOCATIONS	2,109,500	2,109,500	-	0%
PRIOR YEAR CARRYFORWARDS	45,065			
LINE ITEM AGENCIES	2,696,257	2,696,257	-	0%
COUNCIL ALLOCATIONS	674,653	327,000	(347,653)	-52%
<u>TRANSFERS OUT</u>				
TO GEN. FUND	3,000,000	3,700,000		
TO DEBT SERVICE	2,600,643	2,593,506		
TOTAL TRANSFERS OUT	5,600,643	6,293,506	692,863	12%
TOTAL BUDGET	11,126,118	11,426,263	300,145	3%
TOTAL SURPLUS/(DEFICIT)	0	0		



FY 17-18 Capital Improvement Program

Water & Sewer CIP
Storm Water CIP





FY17-18 Water Proposed CIP		
Project Number	Project Name	FY 17/18 PROPOSED
WM4354	AMR/AMI (5 Annual Phases)	\$ 15,000,000
WM3355	Utility Conflicts (Annual)	\$ 1,000,000
WM4391	Atlas Road Widening	\$ 350,000
WM4392	Pineview Road Widening	\$ 2,750,000
WM4393	Leesburg Road Widening	
WM4394	Shop Road Widening	
WM4395	Greene Street Ph#2	\$ 75,000
WM4396	Bluff Road Ph#2 Widening	\$ 1,750,000
WM4397	Clemson Road Widening	\$ 300,000
WM4398	Clemson Road at Sparkleberry Lane Intersection Improvement	\$ 625,000
WM4399	Alpine Road and Old Percival Road Traffic Circle	\$ 250,000
WM4400	Paterson Road and Carolin Road Sidewalk Improvement	\$ 200,000
WM4401	U.S. #1 Bridge Replacement over CSX RR at Fontaine Road	\$ 200,000
WMXXXX	Larger Street Waterline Improvement (Related to RCP Dirt Road Paving)	\$ 500,000
WMXXXX	Sassafras Street Waterline Improvement (Related to RCP Dirt Road Paving)	\$ 250,000
WM3358	Pay Difference Agreements Various Subdivisions (Annual)	\$ 150,000
WM4315*	Bull Street Water System Improvements	\$ 2,000,000
WM4323	Unforeseen Projects	\$ 1,000,000
WM3001	Water Quality Projects City Wide (Services & 2-inch water line replacement) (Annual)	\$ 1,700,000
WM3923	Earlwood Area Water System Improvements	\$ 6,000,000
WM3925	Rosewood Area Waterline Replacement (Engineering Only)	\$ 1,500,000
WM4340	Trenholm Plaza / Trenholm Road Water System Improvements	\$ 900,000
WM4375	Booker Washington Heights	\$ 3,500,000
		\$ 40,000,000



FY17-18 Wastewater Proposed CIP		
Project Number	Project Name	FY 17/18 PROPOSED
SS725802	Hampton Forest/Greenlawn Capacity Improvements	\$ 1,000,000
SS7301	Bull Street	\$ 2,000,000
SS733702	East Rocky Branch Improvements Phase II	\$ 19,500,000
SS7338	Lower Crane Creek Storage - Phase 1	\$ 14,000,000
SSXXXX	Lower Saluda River Relief Sewer	\$ 1,300,000
SS6099	Sewer Utility Conflicts	\$ 275,000
SS7236	CD Program Management	\$ 5,200,000
SS7286	CE Projects not yet Defined	\$ 3,200,000
SS7288	Unforeseen & Miscellaneous Projects	\$ 3,000,000
SS6786	Annual Gravity Sewer MH Lining and Replacement	\$ 1,500,000
SS6857	Olympia Subdivision (SSES Study)	\$ 3,000,000
SS6966	Annual Rehab on lines less than 15"	\$ 4,900,000
SS7172	Rehabilitation/Replacement Harbison #2, Mallard Point and Animal Shelter Pump Station	\$ 1,800,000
SS7287	Identification of future SSES areas and Implementation	\$ 2,000,000
SS7293	Trunk Sewer Lining & Replacement (Projects Not Defined)	\$ 2,400,000
SS7294	Force Main Lining & Replacement (Projects Not Defined)	\$ 1,400,000
SS7325	Starlite Pump Station Improvements	\$ 1,300,000
SS7362	Smith Branch 01 SSES	\$ 5,500,000
SS7384	Pumping Station Upgrades not yet Defined	\$ 1,000,000
SS717101	Construct and Upgrade Metro Dike	\$ 1,700,000
SS7382	Wastewater Maintenance and Storage Building	\$ 300,000
SS7407	Atlas Road Widening	\$ 50,000
SS7408	Pineview Road Widening	\$ 1,800,000
SS7411	Innovista Transportation (Phase 2) - Green Street	\$ 225,000
SS7412	Bluff Road Widening	\$ 1,500,000
SS7291	Disinfection and Effluent Facilities Upgrade	\$ 150,000
		\$ 80,000,000
	FY 17-18 COMBINED WATER & SEWER CIP	\$ 120,000,000

FY17-20 Storm Water CIP					
Project	Description	FY 17/18 Proposed	FY 18/19 Proposed	FY 19/20 Proposed	Total
SD8431	Whaley and Main upgrade	\$300,000	\$1,350,000	\$1,350,000	\$3,000,000
SD8386	Harlem Heights Drainage Project	\$1,000,000			\$1,000,000
SD8433	MLK/Greg Property Detention	\$100,000	\$700,000		\$800,000
SD8407	Wallace Street Improvements	\$500,000			\$500,000
SD832502	Shandon phase II	\$1,000,000	\$11,500,000		\$12,500,000
SD8371	Penn Branch		\$500,000	\$500,000	\$1,000,000
SD8059B	Randall Avenue	\$200,000	\$1,800,000		\$2,000,000
SD8159	Gregg Street & Gervais Street, Phase 2	\$150,000	\$8,850,000		\$9,000,000
SD8423	Sumter/Catawba Detention	\$25,000	\$975,000		\$1,000,000
SD8395	Taylor/Washington 60" Improvement	\$150,000	\$1,350,000		\$1,500,000
SD8435	Whaley at Railroad Crossing	\$100,000	\$900,000		\$1,000,000
SD8434	Stream Restoration along Rocky Branch	\$500,000			\$500,000
SD8013	Eightmile Branch from Danfield to Chinaberry	\$50,000	\$350,000		\$400,000
SD8437	4000 Old Leesburg	\$350,000			\$350,000
SD8432	Windsor Hill Evaluation and Flood Study	\$350,000			\$350,000
SD8438	800 King and Queen Street from Lee to Preston	\$350,000			\$350,000
SDXXXX	Sumter and Marion Streets Bio-retention Bumpouts	\$140,000	\$1,260,000		\$1,400,000
SDXXXX	Gills Creek Debris Removal	\$10,000,000			\$10,000,000
	Project Management for Bond Projects	\$4,650,000			\$4,650,000
	Smith Branch Drainage Area - Tier 1				
SD8049	(not included as separate projects)			\$10,912,500	\$10,912,500
	Rocky Branch Watershed Plan Tier 1				
SD8436	(not included as separate projects)			\$10,912,500	\$10,912,500
	Smith Branch Drainage Area - Tier 2				
SD8049	(not included as separate projects)			\$10,912,500	\$10,912,500
	Rocky Branch Watershed Plan Tier 2				
SD8436	(not included as separate projects)			\$8,962,500	\$8,962,500
Storm Water Total		\$19,915,000	\$29,535,000	\$43,550,000	\$93,000,000

ACCOMMODATIONS TAX
FY 2017/2018

	BUDGET FY 16/17	PROPOSED FY 17/18	Increase / (Decrease)	% Change
<u>REVENUES</u>				
ACCOMMODATIONS TAX	2,126,581	2,226,244	99,663	4.7%
TOTAL REVENUES	2,126,581	2,226,244		
<u>TRANSFERS IN</u>				
FROM FUND BALANCE	8,721			
TOTAL REVENUE & TRANSFERS IN	2,135,302	2,226,244	90,942	4.3%
<u>EXPENDITURES</u>				
ACCOMMODATIONS TAX ALLOCATIONS	502	2,089,282		
CONVENTION & VISITORS BUREAU	1,706,000			
LAKE MURRAY TOURISM	290,000			
	1,996,502	2,089,282	92,780	4.6%
5% ALLOCATION				
COMMITTEE EXPENSES	5,000	3,162		
TOGETHER WE CAN READ	25,000	25,000		
ONEColumbia	83,800	83,800		
Total General Allocation (5%)	113,800	111,962	(1,838)	-2%
TOTAL EXPENSES	2,110,302	2,201,244	90,942	0
<u>TRANSFERS OUT</u>				
TO GENERAL FUND	25,000	25,000		
TOTAL OTHER FUNDS	25,000	25,000	-	
TOTAL BUDGET	2,135,302	2,226,244	90,942	4%
TOTAL SURPLUS/(DEFICIT)	0	0		



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: City Management Office

FROM: *Teresa Wilson, City Manager*

SUBJECT: Council is asked to approve the appointment of fifteen (15) individuals to the Food Policy Committee.

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** Food_Policy Memo 06082017 (PDF)



We Are Columbia

TO: Ms. Teresa Wilson, City Manager

FROM: Chanique J. Belton, Office of the City Manager

DATE: June 8, 2017

SUBJECT: Food Policy Committee

Purpose: The purpose of this committee is to gather and address problems found within food production, consumption, processing, distribution, and waste disposal with the primary focus on finding solutions to problems that promote sustainability, economic development, and social justice in the food system of the Columbia and surrounding areas by educating government officials about issues of the food system, making policy recommendations, research, fostering of cooperation among private, public, and non-profit interests.

Composition: This commission is comprised of fifteen (15) members

Action: Council is asked to appoint fifteen (15) individuals.

District Representation:

District 1 – 0
District 2 – 0
District 3 – 0
District 4 – 0
Outside City Limits – 0

District Representation of Applicants:

There are fifty-four **(54)** applications for consideration.

District 1 – 4
District 2 – 7
District 3 – 13
District 4 – 7
Outside City Limits – 23

APPLICANTS

Keithrick Alexander
310 Anden Hall
Columbia, SC 29229
Outside City Limits

President
Axiom Farms Company

Tara Allden
3212 Heyward Street
Columbia, SC 29205
District 3

Consultant
Kimley-Horn

William Baker
3405 Yale Avenue
Columbia, SC 29205
District 3

Legal Assistant
Olgetree Deakins

Dianne Barnes
486 Town Center Place, Unit 309
Columbia, SC 29229
Outside City Limits

Retired

Rachel Barnett
300 Hampton Creek Court
Columbia, SC 29209
District 3

Special Events
IT-oLogy

Brenna Bernardin
1307 Gladden Street
Columbia, SC 29205
District 3

Program Manager
Fast Forward

Jane Britton
1319 Gladden Street
Columbia, SC 29205
District 3

Self-Employed

John Brunty
1106 Maple Street
Columbia, SC 29205
District 3

Owner
Crave Artisan Specialty Market

Rebecca Causey
707 Ermine Road
West Columbia, SC 29170
Outside City Limits

Environmental Health Manager
DHEC

Carmony Corley
304 Granby Crossing
Cayce, SC 29033
Outside City Limits

Program Coordinator
Beginnings SC

Kitwanda Cyrus
219 View Drive
Blythewood, SC 29016
Outside City Limits

Restaurant Owner
Kiki's Chicken and Waffles LLC

Jennalyn Dalrymple
1450 Wildflower Road
Blythewood, SC 29016
Outside City Limits

Adjunct Professor
USC

Lucas David 612 Devine Street, Apt. 249 Columbia, SC 29201 District 2 Senior Finance and Grant Manager Dorn VA Medical Center Tracy Dixon 1117 Bradford Ridge Lane Columbia, SC 29223 Outside City Limits Director of Nutrition Services Richland One School District	O'Flaherty Douglas 1723 Wayne Street Columbia, SC 29201 District 2 Vice President SC Restaurant and Lodging Association Carrie Draper 3215 Makeway Drive Columbia, SC 29201 District 1 Director of Policy for the USC Nutrition Center USC School of Public Health
David Edmond 309 Galbra Street Columbia, SC 29209 Outside City Limits Ministry C.M.E. Church Breanna Grant 140 Elizabeth Darby Lane Columbia, SC 29205 District 3 Health Educator DHEC	Douglas Droendyke 107 Paces Brook Ave. Apt. 713 Columbia, SC 29212 District 1 Food Sourcing Coordinator Harvest Hope Food Bank James Hazelton 3468 Hanson Ave. Forest Acres, SC 29204 Outside City Limits Owner Capitol Cafe & Bakery
Brittany Hutson 252 Risdon Way Columbia, SC 29223 Outside City Limit Research/remediation Associate Wells Fargo Ashley Hutto 109 Lawrence Road West Columbia, SC 29170 Outside City Limit Nutrition Lab Educator/Chef EdVenture Children's Museum	April Jones 2612 Schoolhouse Road Columbia, SC 29204 District 2 Owner Jones Consulting <i>*Also serves on BOZA*</i> Namita Koppa 1515 Laurel Street Apt. B Columbia, SC 29201 District 2 Assistant Director-USC Office of Sustainability USC

James T. Ledbetter
608 Queenland Court
Lexington, SC 29072
Outside City Limits

Robert McClam
2727 Duncan Street
Columbia, SC 29205
District 3

Associate VP/Center for Entrepreneurial
Success
Midlands Technical College

Organic Farmer
City Roots, LLC

Mary McCants
305 Newcastle Drive
Columbia, SC 29223
Outside City Limits

Sarah Meacham
28 Castle Hall Lane
Columbia, SC 29209
District 4

Retired

Education & Outreach Coordinator
Hammond School

Robert Moore
4024 Yale Avenue
Columbia, SC 29205
District 3

Ashley Page
2607 Cypress Street
Columbia, SC 29205
District 3

Sales Manager/Buyer
Senn Brothers Produce

End Child Hunger SC Community
Organizer
USC

John Newman
1401 Fairview Drive
Columbia, SC 29205
District 3

Lee Patterson
1224 Candlewood Drive
Hopkins, SC 29061
Outside City Limits

Principal
John M. Newman Planning

Social Work Program Coordinator
Richland Library

Robinette Rankin
1726 Sumter Street
Columbia, SC 29201
District 2

Sally Rickenbacker
313 Pall Mall Street
Columbia, SC 29201
District 2

Resident Manager/Volunteer Coordinator
Hannah House

Marketing Rep.
Advantage Solutions

Tamara Rajah
6 Dunnock Court
Columbia, SC 29229
District 4

Stephanie Sears-Keene
319 Wiltshire Way
Columbia, SC 29229
Outside City Limits

Executive Director
Skip To My Lupus, Inc.

Assistant Director
Senior Resources, Inc.

Carmen Simon
3402 Deerfield Drive
Columbia, SC 29204
District 4

Research Analyst/Auditor
SC House of Representatives

Stephen Slice
116 Ridgecrest Drive
Lexington, SC 29072
Outside City Limits

Lecturer
USC Darla Moore School of Business

Christina Spach
502 Sims Avenue
Columbia, SC 29205
District 3

National Good Food Purchasing
Coordinator
Food Chain Workers Alliance

Gregory Sprouse
175 Sandhurst Road
Columbia, SC 29210
Outside City Limits

Director of Research, Planning, and
Development
Central Midland Council of Governments

Laura Stepp
1024 Darlington Street
Columbia, SC 29201
District 1

Dietitian
Lexington Medical Center

M. Weatherly Thomas
905 W. Confederate Avenue
Columbia, SC 29201
District 1

Clemson Extension Richland County Agent
Clemson University Cooperative Extension
Service

Rachel Thomas
356 Clear Creek Court
Lexington, SC 29072
Outside City Limits

Food Safety Director
V.B. Hook & Company, Inc.

Amy Weaver
759 Kipling Drive
Columbia, SC 29205
District 4

SC Farm to Institution Director
DHEC

Beverly Wilson
116 S. Waccamaw Avenue
Columbia, SC 29205
District 3

Executive Director
FoodShare

Todd Woods
140 Century Drive
Columbia, SC 29212
Outside City Limits

Chef
The Oak Table

Lawrence Wright
201 Braewick Road
Columbia, SC 29212
Outside City Limits

Food Service Manager
BCBS

David Yvette
21 Dulaney Court
Columbia, SC 29229
Outside City Limits

Director-Food Service
Kelloggs

Francis Bradley
3817 Live Oak Street
Columbia, SC 29205
District 4

Executive Chef
Bourbon

Qualenda Washington
3612 Lee Hills Drive
Columbia, SC 29209
Outside City Limits

General Manager
Chick-fil-A

Derrek Pugh
15 Bumblebee Court
Blythewood, SC 29016
Outside City Limits

Programming Supervisor
Richland County Recreation Commission

Carl Mayers
1707 Beaver Dam Road
Columbia, SC 29212
District 4

Project Management
BSBSSC

Sarah Meacham
28 Castle Hall Lane
Columbia, SC 29209
District 4

Education & Outreach Coordinator
Hammond School

Marie Boyd
2 Governors Hill
Columbia, SC 29201
District 2

Assistant Professor
USC School of Law



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: City Management Office

FROM: *Teresa Wilson, City Manager*

SUBJECT: Council is asked to approve the appointment of three (3) individuals to the Quiet Zone Advisory Committee.

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** Quiet Zone Advisory Memo 06012017 (PDF)



We Are Columbia

TO: Ms. Teresa Wilson, City Manager

FROM: Chanique Belton, Office of the City Manager

DATE: June 1, 2017

SUBJECT: Quiet Zone Advisory Committee

Purpose: The purpose of this committee is to gather and address problems related to transportation and noise issues around railroad lines within the City and make recommendations for implementation of a quiet zone to reduce noise and improve transportation along railroad line areas in the City.

Composition: This commission is comprised of eleven (11) members. Appointees serve a two (2) year term with the possibility of one (1) re-appointment.

Action: Council is asked to expand the committee to fifteen (15) members and appoint three (3) members.

District Representation:

- District 1 – 4
- District 2 – 1
- District 3 – 7
- District 4 – 0
- Outside City Limits – 0

CURRENT MEMBERS

	<u>APPOINTED</u>	<u>STARTS</u>	<u>ENDS</u>
Dana Giurgiutiu District 3	04/04/2017	05/01/2017	05/01/2019
Brenda Kramar District 3	04/04/2017	05/01/2017	05/01/2019
Kyle Rice District 3	04/04/2017	05/01/2017	05/01/2019
John Culbreth District 3	04/04/2017	05/01/2017	05/01/2019
Michael Pordes District 3	04/04/2017	05/01/2017	05/01/2019
Jamie Harpootlian District 3	05/19/2015	04/04/2017	05/01/2019
Bud Ferillo District 3	04/04/2017	05/01/2019	05/01/2017
Dr. John Stucker District 1	04/04/2017	05/01/2017	05/01/2019
Ben Dubard District 1	05/16/2017	05/17/2017	06/01/2019
Frank Houston District 2	05/16/2017	05/17/2017	06/01/2019
Barbara Smith District 1	05/16/2017	05/17/2017	06/01/2019
James E. Prater District 1	04/04/2017	05/01/2017	05/01/2019



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: City Management Office

FROM: *Teresa Wilson, City Manager*

SUBJECT: Council is asked to approve the appointment of one (1) individual to the Transportation Penny Advisory Committee.

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** TPAC Memo 06092017 (PDF)



We Are Columbia

TO: Ms. Teresa Wilson, City Manager

FROM: Chanique J. Belton, City Manager Office

DATE: June 9, 2017

SUBJECT: Transportation Penny Advisory Committee

Purpose: This committee will review, comment on, and provide recommendations on the Transportation Penny to Richland County Council. The goal is to have representation from all 3 transportation modes (Transit, Bicycle / Pedestrian / Greenways, Roadway)

Composition: This committee has three (3) appointees who serve a four (4) year term with one (1) re-appointment.

Action: Council is asked to appoint a new individual to replace Mr. Trevor Bowers who does not wish to serve a second term.

- Current District Representation is:
 - District 1 – 0
 - District 2 – 1
 - District 3 – 1
 - District 4 – 1
 - Not in City Limits – 0

Applicants

Wanda Cannon
 105 Rosewood Hills Drive, Apt. 106
 Columbia, SC 29205
District 3

Disabled

Elizabeth Marks
 1908 Henderson Street
 Columbia, SC 29201
District 2

Marketing & Communications
 Elizabeth Marks and Associates, Inc.

David Alderman
 2431 Sulton Street
 Columbia, SC 29201
District 1

Banker
 Capital Bank

CURRENT MEMBERS

Trevor Bowers – **VACANT**
 1011 Maple Street
 Columbia, SC 29205
District 3

Sales Representative
 The Cason Group
 1612 Marion Street
 Columbia, SC 29201

Phillip Simoneaux II
 1320 Whittaker Drive
 Columbia, SC 29206
District 4

CPA
 Williamson & Associates, Inc.
 500 Taylor Street, Ste. 402
 Columbia, SC 29201

Virginia Sanders
 7049 Glengarry Drive
 Columbia, SC 29209
District 4

Retired

APPOINTED

01/08/2013

STARTS

02/05/2013

ENDS

02/01/2017

04/19/2016

05/01/2016

02/01/2021

01/08/2013

02/05/2013

02/01/2018



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: Traffic Engineering

FROM: David Brewer,

SUBJECT: Council is asked to approve the installation of one (1) additional street light at 1800 Gary Street, as requested by the Traffic Engineering Division.

PRESENTER: Robert Anderson

FINANCIAL IMPACT:

ORIGINAL BUDGET: \$2,200,000.00

Neighborhood	Existing Lights	Requested Lights	Current Annual Lease Cost	Project Request Total	Total Year To Date
1800 Gary Street	1	1	\$118.92	\$118.92	\$5,192.80

ATTACHMENTS:

- **#a:** Street_Lighting (PDF)
- **#b:** 1800 Gary St.Streetlight (PDF)



City of Columbia
Public Works Department
Traffic Engineering Division
Street Light Improvement Data

Request Number

17-10

Status:

Pending

Requested By Elizabeth Harris
Date Requested 5/5/2017
Neighborhood 1800 Gary St.
Map Attached ☒

Inventory Performed By Jed Holliday
Date Inventory Performed 5/5/2017

Insufficient Number of Lights ☒
Tree Canopy Issues ☐ **Date Canopy Addressed**
Bulbs Burned Out ☐ **Date Bulbs Addressed**

Existing Number of Lights **150 HPS** 1 **400 HPS** 0

Current Yearly Lease Cost \$118.92

Proposed Standard Lighting

	150 HP	400 HPS
Additional Lights Requested	1	0
Monthly Lease Rate(per light)	\$9.91	\$17.71
Proposed Annual Lease Increase		\$118.92
Additional Poles Needed		0

Proposed Decorative Lighting

Additional Poles Needed	0
Additional Lights Needed	0
Installation Cost	\$0.00
Monthly Lease Rate(per light)	\$0.00
Annual Lease Rate	\$0.00

TOTAL ADDITIONAL LIGHTS NEEDED

1

PROJECT REQUEST TOTAL

\$118.92

YTD Additions to Budget \$5,191.80

YTD Lights Added 35

City Council Action

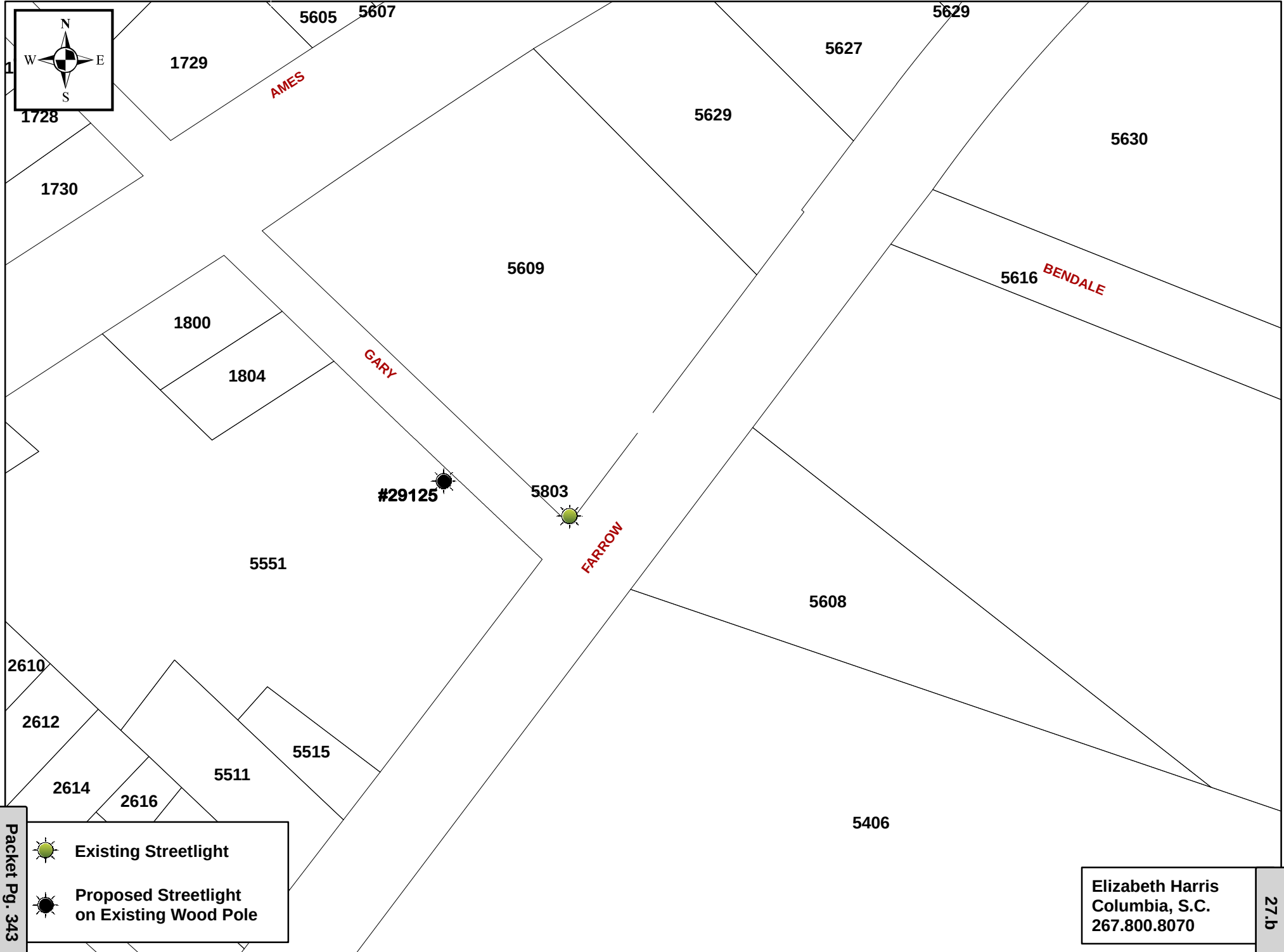
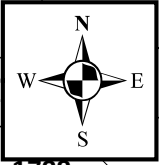
Funding Source Identified	Funding Source Acct Number
Agenda Item Date	Agenda Item Number

Disclaimer: Monthly lease rates subject to change based on Public Service Commission Approvals

Date Additional Lighting Requested

Date Lighting Addition Completed

1800 Gary Streetlight



Existing Streetlight



Proposed Streetlight
on Existing Wood Pole

Elizabeth Harris
Columbia, S.C.
267.800.8070



We Are Columbia

MEETING DATE: June 13, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Administrative Policy Committee Report for June 2, 2017 -
The Honorable Edward H. McDowell, Jr.

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** APC_Report_06_02_2017 (PDF)



**COLUMBIA CITY COUNCIL
ADMINISTRATIVE POLICY COMMITTEE MEETING REPORT
FRIDAY, JUNE 2, 2017**

Members of the Columbia City Council conducted an Administrative Policy Committee Meeting on Friday, June 2, 2017 in the City Hall Conference Room, 1737 Main Street. Columbia, South Carolina. The meeting was called to order at 10:10 a.m. by Chairman Edward H. McDowell, Jr. The Honorable Sam Davis and The Honorable Howard E. Duvall, Jr. were present.

COMMITTEE DISCUSSION

1. Facility and Site Naming Policy and Honorary Street Naming Policy

There was a consensus of the Administrative Policy Committee to accept the City of Columbia Honorary Street Naming Policy and the Facility and Site Naming Policy with the following amendments:

For streets:

- 1) Change the limitation of the designation from one block to two signs
- 2) Add the standard color shall be white on brown
- 3) Current honorary street renaming signage shall expire ten years after this policy is adopted, unless extended by a Resolution of Council.

For facilities and sites:

- 1) Change the word encourage to shall for naming facilities only after deceased persons

Chairman McDowell will provide a report to City Council on June 13, 2017 and a Resolution adopting this policy will be scheduled for City Council's consideration on June 20, 2017.

ADJOURNMENT

The meeting was closed at 10:48 AM.

Respectfully submitted by:

Erika D. Moore, CMC
City Clerk