



COLUMBIA CITY COUNCIL MEETING AGENDA TUESDAY, JUNE 20, 2017

The City Council will conduct a Work Session & Council Meeting at 2:00 p.m. and 6:00 p.m. on Tuesday, June 20, 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.

WORK SESSION - 2:00 P.M.

ROLL CALL

INVOCATION

ADOPTION OF THE AGENDA

FINANCIAL REPORT

1. April 2017 Financial Report - Mr. Dennie Ulmer, Deputy Finance Director

CITY COUNCIL DISCUSSION

2. Health Care Discussion - Mr. Kevin Bryant, Resident Manager Director of the South Carolina operations for AON Risk Services South, Inc.
3. Clean Water 2020 Update / Economic Impact - Mr. Joey Jaco, Director of Engineering and Mr. Bryan Cully, Project Manager for CDM Smith

EXECUTIVE SESSION

4. Receipt of legal advice related to matters covered by attorney-client privilege pursuant to §30-4-70(a)(2)

*Adams and Reese, LLP Conflict Waiver
Billboards
Penny Project Utility Relocations*



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5. Receipt of legal advice related to a pending, threatened or potential claim pursuant to §30-4-70(a)(2)

*Pelzer v. City
Meeks v. City*

6. Discussion of negotiations incident to proposed contractual arrangements pursuant to §30-4-70(a)(2)

*Lower Richland Sewer Extension Agreement
Gills Creek Agreement
Fire Services Agreement
Marathon
Bull Street Venue License Agreement
Capital City Ballpark Site*

7. Discussion of negotiations incident to the proposed purchase of property pursuant to §30-4-70(a)(2)

Columbia College Drive

8. Discussion of employment of an employee pursuant to §30-4-70(a)(2)

City Attorney

COUNCIL MEETING - 6:00 P.M.

ROLL CALL

PLEDGE OF ALLEGIANCE

INVOCATION

PUBLIC INPUT RELATED TO AGENDA ITEMS

APPROVAL OF MINUTES

9. Council is asked to approve the April 18, 2017 and May 2, 2017 Meeting Minutes

CONSENT AGENDA ITEMS 10 THROUGH 20

10. Council is asked to approve Contract Amendment #1 for the Automated Meter Reading and Automated Meter Infrastructure Feasibility Study, as requested by the Engineering



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Department. Award to CH2M Hill Engineers, Inc. in the amount of \$160,000.00. This firm is located in Englewood, CO.

Funding Source: 5529999-658650 (WM435401. No sub-consultants are included for this amendment.

11. Council is asked to approve the Purchase of a Kut-Kwick Super-Slope Mower, as requested by the Water Works Division. Award to Kut-Kwick Corporation, as a sole source in the amount of \$67,340.00. This vendor is located in Brunswick, GA.

Funding Source: Utilities Columbia Canal Water Treatment Plant: Auto, Trucks, Heavy Equipment Capital; 5516206- 658500 (\$33,670.00) and 5516207- 658500 (\$33,670.00). The original budgeted amount is \$67,340.00.

12. Council is asked to ratify an Emergency Procurement Contract to repair an 8-inch cast iron pipe waterline behind the Children's Hospital, as requested by the Engineering Department. Award to Carolina Tap & Bore, Inc. in the amount of \$63,850.00. This firm is located in West Columbia, SC.

Funding Source: Utilities Metro Wastewater Plant: Professional Services; 5511706-638500. The original budgeted amount is \$63,850.00.

13. Council is asked to ratify an Emergency Procurement to repair a 6 inch cast iron pipe waterline at the 4000 block of River Drive, as requested by the Engineering Department. Award to Shady Grove Construction, LLC in the amount of \$239,250.00. This firm is located in Irmo, SC.

Funding Source: Engineering: Paving and Asphalt Supplies; 5529999 -658650-WM441501. The original budgeted amount is \$239,250.00.

14. Council is asked to approve Project WM4429; Blossom Street Asphalt Repair and Water Main Replacement, as requested by Utility Operations. Award to Shady Grove Construction, LLC, a Local Business Enterprise and Woman Owned Business Enterprise in an amount not to exceed \$445,995.00. This firm is located in Irmo, SC.

Funding Source: Water and Sewer Capital Project Cost; 5529999 - 658650. This is Clean Water 2020 Program Project and the original budgeted amount is \$496,275.00.

The following sub-consultants will provide additional services:

B&H, a small business enterprise of Gaston, SC will provide \$141,000 (34.7%) of the contract value.

Capital Concrete, a local business enterprise of Lexington, SC will provide \$40,000 (9.8%) of contract value.



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Fortiline Waterworks of Columbia, SC will provide \$16,000 (3.9%) of contract value.

Stay Alert of Columbia, SC will provide \$8,000 (2%) of the contract value.

15. Council is asked to approve the Canal Water Treatment Plant Clearwell and High Service Pump Station 2 & 3 Improvements and Pre-Construction Services and to authorize the City Manager to enter into negotiations for agreements in an amount not to exceed \$44,331,000.00 between the City of Columbia and Adams Robinson Enterprise Inc. in a form to be approved by the City Attorney's Office with final approval by the City Manager. This firm is located in Dayton, OH.

Funding Source: Water & Sewer Capital Projects- Capital Project Cost- Engineering Services Canal WTP Improvements; 5529999-658650-WM423101. The original budgeted amount is \$46,185,191.00. This is a Subcontracting Outreach Program Project.

Breakout of project programs/goals:

Subcontracting Outreach Program: (Includes both CDBEs and local subcontractors)

Requirement: 20% (\$ 8,866,200.00)

Actual: 34% (\$15,242,337.80)

Local Subcontracting: (Includes CDBEs meeting local requirements)

Requirement: 20% (\$8,866,200.00)

Actual: 24% (\$10,752,183.00)

Columbia Disadvantaged Business Enterprise Program (CDBE): (All CDBEs are minority owned businesses.)

Requirement: 10% (\$4,433,100.00)

Actual: 9.70% (\$4,300,106.99)

16. 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

First reading approval was given on June 13, 2017.

17. 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



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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

First reading approval was given on June 13, 2017.

18. 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

First reading approval was given on June 13, 2017.

19. Resolution No.: R-2017-048 - Authorizing consumption of beer and wine beverages only at the Palmetto Tasty Tomato Festival on August 5, 2017
20. Resolution No.: R-2017-055 - Young Professionals Networking Event (July 1)

BUDGET ORDINANCES - SECOND READING

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)

First reading approval was given on June 13, 2017.

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)

First reading approval was given on June 13, 2017.

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



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First reading approval was given on June 13, 2017.

PRESENTATIONS

- 24. May 2017 Employee of the Month - Mr. Clint Shealy, Director of Utility Operations
Mr. Christopher Lampkin, Maintenance Coordinator
- 25. June 2017 Employee of the Month - Mr. William "Skip" Holbrook, Columbia Police Chief
Ms. Pearlina Williams-Burke, Executive Assistant
- 26. Alzheimer's and Brain Awareness Month Proclamation - The Honorable Mayor Stephen K. Benjamin
- 27. Introduction of Ms. Ann Dawson August, CCTM, Interim Executive Director of the COMET
- 28. Homeless Court Update - Mr. George Cauthen, Esq. **Addition**

PUBLIC HEARING ITEMS 29 THROUGH 31

- 29. Walkable 29203 Pedestrian Plan - request adoption of the Walkable 29203 Plan as an addendum to the City of Columbia's Comprehensive Plan Transportation Element subsection 8.2.3 Pedestrian and Bicycle Facilities: Walk Bike Columbia: Pedestrian & Bicycle Master Plan.
- 30. Ordinance No.: 2017-045 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 6, Elections, Sec. 6-5 Filing fees
- 31. Resolution No.: R-2017-054 Public Input on Closing and Transfer of an unopened portion of Willow Street (formerly Pine Street) containing approximately 0.39 acre located between Richland County TMS#09213-08-10, TMS#11601-25-02 and TMS#09116-02-13; CF#340-16A

ORDINANCE - FIRST READING

- 32. Annexation, Interim Comprehensive Plan Map Amendment, and Interim Zoning Map Amendment 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, and 160 Bluff Road, 164 Bluff Road, 1003 Hamrick Street, 1007 Hamrick



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Street, and 1011 Hamrick Street; TMS# 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26, 11204-02-25, 11204-02-14, 11204-02-15, and 11204-02-16

Ordinance No.: 2017-051 - Annexing 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, 160 Bluff Road, 164 Bluff Road, 1003 Hamrick Street, 1007 Hamrick Street and 1011 Hamrick Street, Richland County TMS# 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26, 11204-02-25, 11204-02-14, 11204-02-15 and 11204-02-16

Council District: 2

Proposal: Annex, assign interim an interim land use classification of Urban Core Mixed Residential Type 2 (UCMR-2), and assign interim zoning of General Residential District (RG-2). The property is currently classified as Mixed Residential-High Density and zoned Residential Multi-Family High Density (RM-HD) by Richland County.

Applicant: Orchard Columbia III, LLC / Julius Terry Kirkland; Robert L. Giles; Holbrook Family, LLC; James L. Hilliard

Staff Recommendation: Annex, Assign Interim Land Use and Interim Zoning; Approve

PC Recommendation: 06/05/17: Annex, Assign Interim Land Use and Interim Zoning; Approve (7-0)

33. Ordinance No.: 2017-061 - Repealing encroachment Ordinance No.: 2014-008 Granting an encroachment to Mainstream V Lofts LLC /Capitol Places for placement of a flame shaped steel sculpture with concrete foundation within the sidewalk right of way area adjacent to 1644 Main Street, Richland County TMS #09014-04-01

RESOLUTIONS

34. Resolution No.: R-2017-058 Support Establishing Community-wide Target of Powering the City of Columbia, South Carolina, with 100 percent Clean, Renewable Energy by 2036

OTHER MATTERS

35. Fiscal Year 2017/2018 Accommodations Tax and Hospitality Tax Recommendations - Ms. Libby Gober, Executive Assistant to City Council

APPOINTMENTS

36. Council is asked to approve the appointment of one (1) individual to the Food Policy Committee.



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING AGENDA
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CONSIDERATION OF MATTERS DISCUSSED DURING THE WORK SESSION

CITY COUNCIL COMMITTEE REPORTS / REFERRALS

APPEARANCE OF THE PUBLIC



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Finance

FROM: *Jan Alonso, Finance Director*

SUBJECT: April 2017 Financial Report - Mr. Dennie Ulmer, Deputy Finance Director

PRESENTER: Mr. Dennie Ulmer, Deputy Finance Director

FINANCIAL IMPACT:

STRATEGIC GOALS: Provide high quality municipal services

ATTACHMENTS:

- **#a:** April Council Report (PDF)

City of Columbia
General Fund Summary - Revenue and Expenditures - Current to Prior Year Variance
April 30, 2017

	ACTUAL PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	ACTUAL PRIOR YEAR THRU APR 2016	ACTUAL CURRENT YEAR THRU APR 2017	ACTUAL CURRENT TO PRIOR VARIANCE	% ANNUAL BUDGET
REVENUE						
1 GENERAL PROPERTY TAX	51,024,375	53,241,097	40,426,856	41,226,049	799,193	77.4%
2 LICENSES AND PERMITS	38,659,049	39,654,866	11,544,460	11,025,208	(519,252)	27.8%
3 FROM OTHER AGENCIES	14,168,660	15,037,877	11,934,170	12,450,968	516,798	82.8%
4 CURRENT SERVICE CHARGES	12,414,061	12,359,628	10,181,335	10,381,997	200,662	84.0%
5 FINES & FORFEITURES	822,196	1,102,000	784,455	792,934	8,479	72.0%
6 SPECIAL EVENTS	96,677	83,900	94,657	93,616	(1,041)	111.6%
7 MISCELLANEOUS REVENUE	2,869,977	36,000	63,841	73,879	10,038	205.2%
8 INTEREST ON INVESTMENT	204,931	100,000	46,262	89,963	43,701	90.0%
9 RENTS & SALE OF PROPERTY	421,760	390,000	230,039	2,793,823	2,563,784	716.4%
10 TOTAL REVENUE	120,681,686	122,005,368	75,306,075	78,928,437	3,622,362	64.7%
TRANSFERS IN						
11 FROM CAPITAL LEASE PROCEEDS	1,338,294	0	0	4,133,454		
12 FROM ACCOMMODATIONS TAX	25,000	25,000	25,000	25,000	0	100.0%
14 FROM HOSPITALITY TAX	3,000,000	3,000,000	2,500,000	2,500,000	0	83.3%
15 FROM GO BOND PROCEEDS	2,439,946	8,000,000	2,439,947	2,285,756	(154,191)	28.6%
16 FROM WATER & SEWER OPERATING	4,945,605	2,270,000	4,121,338	1,891,667	(2,229,671)	83.3%
17 FROM PARKING FUND	500,000	500,000	416,667	416,667	0	83.3%
18 FROM OTHER FUNDS	228	0	228	1,746,652	1,746,423	0.0%
19 UN-APPROPRIATED SURPLUS	0	4,049,251	0	0		0.0%
20 TOTAL TRANSFERS IN	12,249,074	17,844,251	9,503,179	12,999,195	3,496,016	72.8%
21 TOTAL GEN FUND REV & TRF	132,930,760	139,849,619	84,809,254	91,927,632	7,118,378	65.7%
EXPENDITURES - DEPARTMENTS						
22 LEGISLATIVE - MAYOR & CITY COUNCIL	748,390	773,217	563,694	594,584	30,890	76.9%
23 ADMINISTRATION - CITY MANAGER	503,442	523,013	397,583	430,709	33,126	82.4%
24 ADMINISTRATION - GOV'T AFFAIRS	464,490	459,026	367,227	366,548	(679)	79.9%
25 ADMINISTRATION - ACM OPERATIONS	364,824	434,318	289,548	330,334	40,786	76.1%
26 ADMINISTRATION - ACM-CFO	181,395	222,065	146,890	167,922	21,032	75.6%
27 ADMINISTRATION - SR. ASSISTANT CM	321,813	482,245	250,825	360,303	109,478	74.7%
28 HUMAN RESOURCES	987,856	1,067,334	789,102	762,681	(26,421)	71.5%
29 BUDGET & PROG MGMT OFFICE	295,557	381,081	232,867	237,948	5,081	62.4%
30 PUBLIC RELATIONS	602,797	598,259	445,773	466,027	20,254	77.9%
31 COUNCIL SUPPORT SERVICES	599,733	448,544	506,574	374,348	(132,226)	83.5%
32 LEGAL	1,966,384	1,975,142	1,535,380	1,324,874	(210,506)	67.1%
33 MUNICIPAL COURT	2,601,829	2,809,503	2,033,243	2,082,627	49,384	74.1%
34 FINANCE	1,756,890	2,025,261	1,424,560	1,454,162	29,602	71.8%
35 OFFICE OF BUSINESS OPPORTUNITIES	809,322	919,591	595,337	671,716	76,379	73.0%
36 COMMUNITY DEVELOPMENT	291,955	307,728	225,663	210,935	(14,728)	68.5%
37 DEVELOPMENT SERVICES	3,328,834	3,643,023	2,517,674	2,613,354	95,680	71.7%
38 POLICE	37,128,519	39,760,177	29,419,032	32,193,907	2,774,875	81.0%
39 911 EMERGENCY COMMUNICATIONS	2,956,665	3,062,828	2,421,431	2,363,745	(57,686)	77.2%
40 FIRE	21,434,822	23,262,557	17,036,836	18,135,193	1,098,357	78.0%
41 PARKS & RECREATION	11,639,848	12,341,823	9,086,189	9,667,906	581,717	78.3%
42 PUBLIC WORKS	19,325,323	19,557,846	15,671,929	15,073,167	(598,762)	77.1%
43 GENERAL SRVCS/SUPPORT SERVICES	1,625,523	1,916,610	1,087,743	1,242,382	154,639	64.8%
44 INFORMATION TECHNOLOGY	3,696,266	3,933,810	3,128,825	2,999,323	(129,502)	76.2%
45 TOTAL DEPARTMENT	113,632,477	120,905,001	90,173,925	94,124,695	3,950,770	77.9%
EXPEND. - NON-DEPT. & MISC.						
46 COMMUNITY PROMOTION - AGENCIES	463,239	840,000	410,924	541,027	130,103	64.4%
47 SOLICITOR & DETENTION	753,925	815,817	472,341	609,028	136,687	74.7%
48 HOMELESS SERVICES	906,688	1,112,332	744,820	668,210	(76,610)	60.1%
49 ECONOMIC DEVELOPMENT - RESERVE	37,500	28,800	0	66,300	66,300	230.2%
50 NON-DEPARTMENTAL & MISC.	153,355	40,000	57,455	14,541	(42,914)	36.4%
51 OFFICE SPACE LEASE	3,221,242	505,000	367,152	347,182	(19,970)	68.7%
52 CAPITAL LEASE PAYMENT	1,069,259	2,123,932	980,154	1,500,237	520,083	70.6%
53 OTHER SERVICES AND CHARGES	(2,668)	0	(2,645)	3,953	6,598	0.0%
54 TOTAL NON-DEPARTMENTAL	6,602,540	5,465,881	3,030,201	3,750,478	720,277	68.6%
55 TOTAL EXPENDITURES	120,235,017	126,370,882	93,204,126	97,875,173	4,671,047	77.5%
TRANSFERS OUT						
56 TO OTHER FUNDS					0	
57 DEVELOPMENT CORPORATIONS	1,390,025	1,477,553	1,158,353	1,231,295	72,942	83.3%
58 TO INTERNAL SERVICE FUNDS	8,011,626	6,031,730	1,782,743	1,934,533	151,790	32.1%
59 TO SPECIAL REVENUES	84,561	0	74,381	82,858	8,477	0.0%
60 TO DEBT SERVICE	5,508,714	5,508,714	5,481,644	4,590,595	(891,049)	83.3%
61 TO GRANTS	12,191	0	1,618	44,133	42,515	0.0%
62 TO CAPITAL IMPROVEMENTS	2,722,928	460,742	2,282,928	1,933,739	(349,188)	0.0%
63 TO STORM WATER	0	0	0	0	0	0.0%
64 TO CAPITAL REPLACEMENTS	0	0	0	0	0	0.0%
65 TOTAL TRANSFERS OUT	17,730,045	13,478,739	10,781,667	9,817,154	(964,512)	72.8%
66 TOTAL GEN FUND EXPEND & TRF	137,965,062	139,849,621	103,985,793	107,692,327	3,706,535	77.0%
67 TOTAL SURPLUS (DEFICIT)	(5,034,303)	(2)	(19,176,538)	(15,764,695)		

City of Columbia

General Fund Summary - Revenue and Expenditures - Actual to Budget Variance

April 30, 2017

	BUDGET PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	BUDGET CURRENT YEAR THRU APR 2017	ACTUAL CURRENT YEAR THRU APR 2017	ACTUAL TO BUDGET VARIANCE THRU APR 2017	% ANNUAL BUDGET
REVENUE						
GENERAL PROPERTY TAX	51,826,115	53,241,097	44,367,580	41,226,049	(3,141,531)	77.4%
LICENSES AND PERMITS	36,197,981	39,654,866	33,045,723	11,025,208	(22,020,515)	27.8%
FROM OTHER AGENCIES	13,086,467	15,037,877	12,531,564	12,450,968	(80,596)	82.8%
CURRENT SERVICE CHARGES	12,119,990	12,359,628	10,299,690	10,381,997	82,307	84.0%
FINES & FORFEITURES	1,102,000	1,102,000	918,334	792,934	(125,400)	72.0%
SPECIAL EVENTS	83,400	83,900	69,916	93,616	23,700	111.6%
MISCELLANEOUS REVENUE	36,000	36,000	30,000	73,879	43,879	205.2%
INTEREST ON INVESTMENT	75,000	100,000	83,334	89,963	6,629	90.0%
RENTS & SALE OF PROPERTY	290,000	390,000	325,000	2,793,823	2,468,823	716.4%
TOTAL REVENUE	114,816,953	122,005,368	101,671,141	78,928,437	(22,742,704)	64.7%
TRANSFERS IN						
FROM CAPITAL LEASE PROCEEDS	0	0	0	4,133,454	4,133,454	
FROM ACCOMMODATIONS TAX	25,000	25,000	20,833	25,000	4,167	100.0%
FROM HOSPITALITY TAX	3,000,000	3,000,000	2,500,000	2,500,000	0	83.3%
FROM GO BOND PROCEEDS	5,000,000	8,000,000	6,666,667	2,285,756	(4,380,911)	28.6%
FROM WATER & SEWER OPERATING	4,945,605	2,270,000	1,891,667	1,891,667	(0)	83.3%
FROM PARKING FUND	500,000	500,000	416,667	416,667	(0)	83.3%
FROM OTHER FUNDS	0	0	0	1,746,652	1,746,652	0.0%
UN-APPROPRIATED SURPLUS	3,704,324	4,049,251	3,374,377	0	(3,374,377)	0.0%
TOTAL TRANSFERS IN	17,174,929	17,844,251	14,870,210	12,999,195	(1,871,015)	72.8%
TOTAL GEN FUND REV & TRF	131,991,882	139,849,619	116,541,351	91,927,632	(24,613,719)	65.7%
EXPENDITURES - DEPARTMENTS						
LEGISLATIVE - MAYOR & CITY COUNCIL	794,402	773,217	644,350	594,584	(49,766)	76.9%
ADMINISTRATION - CITY MANAGER	494,521	523,013	435,845	430,709	(5,136)	82.4%
ADMINISTRATION - GOV'T AFFAIRS	458,207	459,026	382,523	366,548	(15,975)	79.9%
ADMINISTRATION - ACM OPERATIONS	373,923	434,318	361,934	330,334	(31,600)	76.1%
ADMINISTRATION - ACM-CFO	191,254	222,065	185,056	167,922	(17,134)	75.6%
ADMINISTRATION - SR. ASSISTANT CM	309,177	482,245	401,874	360,303	(41,571)	74.7%
HUMAN RESOURCES	998,051	1,067,334	889,445	762,681	(126,764)	71.5%
BUDGET & PROG MGMT OFFICE	357,293	381,081	317,566	237,948	(79,618)	62.4%
PUBLIC RELATIONS	615,691	598,259	498,550	466,027	(32,523)	77.9%
COUNCIL SUPPORT SERVICES	555,042	448,544	373,788	374,348	560	83.5%
LEGAL	1,904,067	1,975,142	1,645,953	1,324,874	(321,079)	67.1%
MUNICIPAL COURT	2,686,612	2,809,503	2,341,250	2,082,627	(258,623)	74.1%
FINANCE	1,878,235	2,025,261	1,687,719	1,454,162	(233,557)	71.8%
OFFICE OF BUSINESS OPPORTUNITIES	783,223	919,591	766,324	671,716	(94,608)	73.0%
COMMUNITY DEVELOPMENT	320,919	307,728	256,444	210,935	(45,509)	68.5%
DEVELOPMENT SERVICES	3,640,790	3,643,023	3,035,857	2,613,354	(422,503)	71.7%
POLICE	37,344,860	39,760,177	33,133,486	32,193,907	(939,579)	81.0%
911 EMERGENCY COMMUNICATIONS	3,320,452	3,062,828	2,552,358	2,363,745	(188,613)	77.2%
FIRE	21,990,263	23,262,557	19,385,482	18,135,193	(1,250,289)	78.0%
PARKS & RECREATION	11,443,188	12,341,823	10,284,860	9,667,906	(616,954)	78.3%
PUBLIC WORKS	20,500,212	19,557,846	16,298,219	15,073,167	(1,225,052)	77.1%
GENERAL SRVCS/SUPPORT SERVICES	1,758,543	1,916,610	1,597,179	1,242,382	(354,797)	64.8%
INFORMATION TECHNOLOGY	3,648,999	3,933,810	3,278,177	2,999,323	(278,854)	76.2%
TOTAL DEPARTMENT	116,367,924	120,905,001	100,754,239	94,124,695	(6,629,544)	77.9%
EXPEND. - NON-DEPT. & MISC.						
COMMUNITY PROMOTION - AGENCIE	520,000	840,000	700,001	541,027	(158,974)	64.4%
SOLICITOR'S OFFICE	765,817	815,817	679,848	609,028	(70,820)	74.7%
HOMELESS SERVICES	1,045,583	1,112,332	926,943	668,210	(258,733)	60.1%
ECONOMIC DEVELOPMENT RESERVE	75,000	28,800	24,000	66,300	42,300	230.2%
NON-DEPARTMENTAL & MISC.	189,741	40,000	33,333	14,541	(18,792)	36.4%
OFFICE SPACE LEASE	505,000	505,000	420,834	347,182	(73,652)	68.7%
CAPITAL LEASE PAYMENT	0	2,123,932	1,769,943	1,500,237	(269,706)	70.6%
OTHER SERVICES AND CHARGES	0	0	0	3,953	3,953	0.0%
TOTAL NON-DEPARTMENTAL	3,101,141	5,465,881	4,554,902	3,750,478	(804,424)	68.6%
TOTAL EXPENDITURES	119,469,065	126,370,882	105,309,141	97,875,173	(7,433,968)	77.5%
TRANSFERS OUT						
TO OTHER FUNDS						
DEVELOPMENT CORPORATIONS	1,390,025	1,477,553	1,231,308	1,231,295	(13)	83.3%
TO INTERNAL SERVICE FUNDS	4,089,820	6,031,730	5,026,428	1,934,533	(3,091,895)	32.1%
TO SPECIAL REVENUES	0	0	0	82,858	82,858	0.0%
TO DEBT SERVICE	6,577,973	5,508,714	4,590,595	4,590,595	0	83.3%
TO GRANTS	0	0	0	44,133	44,133	0.0%
TO CAPITAL IMPROVEMENTS	465,000	460,742	383,952	1,933,739	1,549,788	0.0%
TO STORM WATER	0	0	0	0	0	0.0%
TO CAPITAL REPLACEMENTS	0	0	0	0	0	0.0%
TOTAL TRANSFERS OUT	12,522,818	13,478,739	11,232,283	9,817,154	(1,415,128)	72.8%
TOTAL GEN FUND EXPEND & TRF	131,991,883	139,849,621	116,541,424	107,692,327	(8,849,096)	77.0%
TOTAL SURPLUS (DEFICIT)	(1)	(2)	(72)	(15,764,695)		

City of Columbia
 Hospitality Fund Summary - Revenue and Expenditures -Current to Prior Year Variance
 As of 4/30/2017

UNAUDITED

	ACTUAL PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	ACTUAL PRIOR YEAR THRU APRIL 2016	ACTUAL CURRENT YEAR THRU APRIL 2017	ACTUAL CURRENT TO PRIOR VARIANCE	% ANNUAL BUDGET
REVENUE						
1 TAXES	10,848,556	10,795,200	8,461,637	9,031,492	569,855	83.7%
2 LICENSE AND PERMITS	0	0	0	(10)	(10)	0.0%
2 INTEREST	4,841	0	3,200	6,652	3,452	0.0%
3 UNAPPROPRIATED SURPLUS	0	330,918	0	0	0	0.0%
4 TOTAL HOSP FUND REVENUE	10,853,397	11,126,118	8,464,837	9,038,134	573,297	81.2%
5						
EXPEND. - NON-DEPT & MISC.						
7 CITY COUNCIL LINE ITEM AG.	2,471,257	2,696,257	2,208,645	2,269,111	60,466	84.2%
8 HOSPITALITY TAX	3,217,800	2,829,218	2,306,561	2,140,575	(165,986)	75.7%
9 SPECIAL PROJECTS	0	0	0	0	0	0.0%
10 TOTAL NON-DEPARTMENTAL	5,689,057	5,525,475	4,515,206	4,409,686	(105,520)	79.8%
11 TOTAL EXPENDITURES	5,689,057	5,525,475	4,515,206	4,409,686	105,520	79.8%
12 TRANSFERS OUT						
13 TO GENERAL FUND	3,000,000	3,000,000	2,500,000	2,500,000	0	83.3%
14 TO DEBT SERVICE	2,595,547	2,600,643	2,162,956	2,167,203	4,247	83.3%
15 TOTAL TRANSFERS OUT	5,595,547	5,600,643	4,662,956	4,667,203	4,247	83.3%
16						
17 TOTAL HOSP FUND EXP & TRF	11,284,604	11,126,118	9,178,162	9,076,889	101,273	81.6%
18						
19						
20 TOTAL SURPLUS (DEFICIT)	(431,207)	-	(713,325)	(38,755)		

City of Columbia
 Hospitality Fund Summary - Revenue and Expenditures - Actual to Budget Variance
 As of 4/30/2017

UNAUDITED

		BUDGET PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	BUDGET CURRENT YEAR THRU APRIL 2017	ACTUAL CURRENT YEAR THRU APRIL 2017	ACTUAL TO BUDGET VARIANCE THRU APRIL 2017	% ANNUAL BUDGET	OPEN ENCUMBRANCES THRU APRIL 2017
	REVENUE							
1	TAXES	10,414,760	10,795,200	8,096,420	9,031,492	935,072	83.7%	0
2	INTEREST				(10)			
3	INTEREST	0	0	0	6,652	6,652	0.0%	0
4	UNAPPROPRIATED SURPLUS	839,688	330,918	248,189	0	(248,189)	0.0%	0
5	TOTAL HOSP FUND REVENUE	11,254,448	11,126,118	8,344,609	9,038,134	693,525	81.2%	-
6								
7	EXPEND. - NON-DEPT & MISC.							
8	CITY COUNCIL LINE ITEM AG.	2,525,057	2,696,257	2,022,197	2,269,111	0	84.2%	0
9	HOSPITALITY TAX	3,108,844	2,829,218	2,121,916	2,140,575	18,659	75.7%	0
10	SPECIAL PROJECTS	25,000	0	0	0	0	0.0%	0
11	TOTAL NON-DEPARTMENTAL	5,658,901	5,525,475	4,144,113	4,409,686	18,659	79.8%	0
12	TOTAL EXPENDITURES	5,658,901	5,525,475	4,144,113	4,409,686	(265,573)	79.8%	-
13	TRANSFERS OUT							
14	TO GENERAL FUND	3,000,000	3,000,000	2,250,000	2,500,000	250,000	83.3%	0
15	TO DEBT SERVICE	2,595,547	2,600,643	1,950,496	2,167,203	216,707	83.3%	0
16	TOTAL TRANSFERS OUT	5,595,547	5,600,643	4,200,496	4,667,203	466,707	83.3%	-
17								
18	TOTAL HOSP FUND EXP & TRF	11,254,448	11,126,118	8,344,609	9,076,889	(732,280)	81.6%	-
19								
20								
21	TOTAL SURPLUS (DEFICIT)	-	-	(0)	(38,755)			

City of Columbia
 Parking Summary - Revenue and Expenditures - Current to Prior Year Variance
 As of 4/30/17

UNAUDITED

	ACTUAL PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	ACTUAL PRIOR YEAR THRU APRIL 2016	ACTUAL CURRENT YEAR THRU APRIL 2017	ACTUAL CURRENT TO PRIOR VARIANCE	% ANNUAL BUDGET
<u>REVENUE</u>						
1 CURRENT SERVICE CHARGES	5,314,516	5,263,150	4,281,535	4,970,932	689,397	94.4%
2 FINES & FORFEITURES	1,761,771	2,000,000	1,435,094	1,689,683	254,589	84.5%
3 MISCELLANEOUS REVENUE	256	0	201	1,800	1,599	0.0%
4 INTEREST ON INVESTMENT	122,541	60,000	56,420	104,483	48,063	174.1%
5 RENTS & SALE OF PROPERTY	109,755	108,675	91,643	95,535	3,892	87.9%
6 UNAPPROPRIATED SURPLUS	0	816,683	463,390	0	(463,390)	0.0%
7 TOTAL REVENUE	7,308,839	8,248,508	6,328,283	6,862,433	534,150	83.2%
<u>TRANSFERS IN</u>						
9 FROM CORE CAMPUS REIMBURSEMEN	179,173	0	179,173	0	(179,173)	0.0%
10 FROM SCANA REBATE	0	0	0	0	0	0.0%
11 TOTAL TRANSFERS IN	179,173	0	179,173	0	(179,173)	0.0%
12						
13 TOTAL PARKING REV & TRF	7,488,012	8,248,508	6,507,456	6,862,433	354,977	83.2%
14						
<u>EXPENDITURES - DEPARTMENTS</u>						
16 FINANCE	127,790	131,963	103,798	106,695	2,897	80.9%
17 PUBLIC WORKS	71,263	97,991	53,877	61,002	7,125	62.3%
18 PARKING OPERATIONS	1,340,640	1,466,755	1,044,025	1,099,643	55,618	75.0%
19 PARKING FACILITIES	1,603,475	1,551,611	1,410,673	1,267,520	(143,153)	81.7%
20 PARKING ADMINISTRATION	616,442	688,140	478,231	446,532	(31,699)	64.9%
21 TOTAL DEPARTMENT	3,759,610	3,936,460	3,090,604	2,981,392	(109,212)	75.7%
22 <u>EXPEND. - NON-DEPART & MISC.</u>						
23 DEBT SERVICE	1,743,167	2,813,548	1,469,653	1,426,360	(43,293)	50.7%
24 DEPRECIATION	1,567,720	0	0	0	0	0.0%
25 TUITION REIMBURSMEN	0	5,000	0	0	0	0.0%
26 EMPLOYEE PAY RAISES	0	0	0	0	0	0.0%
27 RESERVE	0	10,000	0	0	0	0.0%
28 NON DEPARTMENTAL ADMINISTRATIV	17,296	0	0	0	0	0.0%
29 NON DEPARTMENTAL BAD DEBT	18,089	0	0	0	0	0.0%
30 TOTAL NON-DEPARTMENTAL	3,346,272	2,828,548	1,469,653	1,426,360	(43,293)	50.4%
31 TOTAL EXPENDITURES	7,105,882	6,765,008	4,560,257	4,407,752	(152,505)	65.2%
32 <u>TRANSFERS OUT</u>						
33 TO GENERAL FUND	500,000	500,000	416,667	416,667	0	83.3%
34 TO PARKING PROJECTS	0	693,500	0	0	0	0.0%
35 TO RISK MANAGEMENT	100,000	120,000	83,333	100,000	16,667	83.3%
36 TO CENTRAL STORES	36,340	0	0	0	0	0.0%
37 TO GENERAL ADMIN INFO TECH	140,112	150,000	116,760	125,000	8,240	83.3%
38 TO HEALTH INSURANCE	0	0	0	0	0	0.0%
39 TO WORKER'S COMP	62,663	0	0	0	0	0.0%
40 TO PURCHASING	26,634	20,000	22,447	11,178	(11,269)	55.9%
41 TO CAPITAL REPLACEMENT	46,355	0	0	0	0	0.0%
42 TO GENERAL TORT	18,365	0	0	0	0	0.0%
43 TOTAL TRANSFERS OUT	930,469	1,483,500	639,207	652,845	13,638	44.01%
44						
45 TOTAL PARKING EXP & TRF	8,036,351	8,248,508	5,199,464	5,060,597	(138,867)	61.4%
46						
47 TOTAL SURPLUS (DEFICIT)	(548,339)	0	1,307,992	1,801,836		

City of Columbia
 Parking Summary - Revenue and Expenditures - Actual to Budget Variance
 As of 4/30/17

UNAUDITED

	BUDGET PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	BUDGET CURRENT YEAR THRU APRIL 2017	ACTUAL CURRENT YEAR THRU APRIL 2017	ACTUAL TO BUDGET VARIANCE THRU APRIL 2017	% ANNUAL BUDGET
REVENUE						
1 CURRENT SERVICE CHARGES	5,009,650	5,263,150	4,385,957	4,970,932	584,975	94.4%
2 FINES & FORFEITURES	2,100,000	2,000,000	1,666,667	1,689,683	23,016	84.5%
3 MISCELLANEOUS REVENUE	0	0	0	1,800	1,800	0.0%
4 INTEREST ON INVESTMENT	60,000	60,000	50,000	104,483	54,483	174.1%
5 RENTS & SALE OF PROPERTY	104,850	108,675	90,563	95,535	4,972	87.9%
6 UNAPPROPRIATED SURPLUS	0	816,683	680,569	0	(680,569)	0.0%
7 TOTAL REVENUE	7,274,500	8,248,508	6,873,756	6,862,433	(11,323)	83.2%
TRANSFERS IN						
9 FROM CORE CAMPUS REIMBURSEMENT	0	0	0	0	0	0.0%
10 FROM SCANA REBATE	0	0	0	0	0	0.0%
11 TOTAL TRANSFERS IN	0	0	0	0	0	0.0%
13 TOTAL PARKING REV & TRF	7,274,500	8,248,508	6,873,756	6,862,433	(11,323)	83.2%
EXPENDITURES - DEPARTMENTS						
16 FINANCE	126,550	131,963	109,970	106,695	(3,275)	80.9%
17 PUBLIC WORKS	81,520	97,991	81,660	61,002	(20,658)	62.3%
18 PARKING OPERATIONS	1,306,628	1,466,755	1,222,295	1,099,643	(122,652)	75.0%
19 PARKING FACILITIES	1,501,962	1,551,611	1,293,008	1,267,520	(25,488)	81.7%
20 PARKING ADMINISTRATION	549,315	688,140	573,452	446,532	(126,920)	64.9%
21 TOTAL DEPARTMENT	3,565,975	3,936,460	3,280,385	2,981,392	(298,993)	75.7%
EXPEND. - NON-DEPART & MISC.						
23 DEBT SERVICE	2,811,413	2,813,548	2,344,623	1,426,360	(918,263)	50.7%
24 DEPRECIATION	0	0	0	0	0	0.0%
25 TUITION REIMBURSEMENT	5,000	5,000	4,167	0	(4,167)	0.0%
26 EMPLOYEE PAY RAISES	142,000	0	0	0	0	0.0%
27 RESERVE	10,000	10,000	8,333	0	(8,333)	0.0%
28 NON DEPARTMENTAL ADMINISTRATIVE	0	0	0	0	0	0.0%
29 NON DEPARTMENTAL BAD DEBT	0	0	0	0	0	0.0%
30 TOTAL NON-DEPARTMENTAL	2,968,413	2,828,548	2,357,123	1,426,360	(930,763)	50.4%
31 TOTAL EXPENDITURES	6,534,388	6,765,008	5,637,508	4,407,752	(1,229,756)	65.2%
TRANSFERS OUT						
33 TO GENERAL FUND	500,000	500,000	416,667	416,667	0	83.3%
34 TO PARKING PROJECTS	0	693,500	577,917	0	0	0.0%
35 TO RISK MANAGEMENT	100,000	120,000	100,000	100,000	0	83.3%
36 TO CENTRAL STORES	0	0	0	0	0	0.0%
37 TO GENERAL ADMIN INFO TECH	140,112	150,000	125,000	125,000	0	83.3%
38 TO HEALTH INSURANCE	0	0	0	0	0	0.0%
39 TO WORKER'S COMP	0	0	0	0	0	0.0%
40 TO PURCHASING	0	20,000	16,665	11,178	(5,487)	55.9%
41 TO CAPITAL REPLACEMENT	0	0	0	0	0	0.0%
42 TO GENERAL TORT	0	0	0	0	0	0.0%
43 TOTAL TRANSFERS OUT	740,112	1,483,500	1,236,248	652,845	(5,487)	44.0%
45 TOTAL PARKING EXP & TRF	7,274,500	8,248,508	6,873,756	5,060,597	(1,813,159)	61.4%
47 TOTAL SURPLUS (DEFICIT)	0	0	0	1,801,836		

City of Columbia
Water/Sewer Summary - Revenue & Expenditures - Current to Prior Year Variance
As of 04/30/2017

UNAUDITED

	ACTUAL PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	ACTUAL PRIOR YEAR THRU APR 2016	ACTUAL CURRENT YEAR THRU APR 2017	ACTUAL CURRENT TO PRIOR VARIANCE	% ANNUAL BUDGET
REVENUE						
1 INTERGOVERNMENTAL REVENUES	8,622,840	0	8,606,581	260,407	(8,346,174)	0.0%
2 CHARGES FOR SERVICES	132,470,996	141,805,000	110,818,270	113,377,082	2,558,812	80.0%
3 FINES & FORFEITURES	797,379	300,000	691,953	564,873	(127,080)	188.3%
4 MISCELLANEOUS REVENUE	46,865	10,000	53,053	5,634	(47,419)	56.3%
5 INTEREST REVENUES	2,223,742	950,000	866,519	1,660,904	794,385	174.8%
6 RENTS & SALE OF PROPERTY	543,910	150,000	164,792	183,446	18,654	122.3%
7 CONTRIBUTIONS	7,447,936	0	8,100	0	(8,100)	0.0%
8 TOTAL REVENUE	152,153,668	143,215,000	121,209,268	116,052,346	(5,156,922)	81.0%
TRANSFERS IN						
10 FROM OTHER FUNDS	1,450	0	1,450	0	(1,450)	0.0%
11 UNAPPROPRIATED SURPLUS	0	223,215	0	0	0	0.0%
12 TOTAL TRANSFERS IN	1,450	223,215	1,450	0	(1,450)	0.0%
14 TOTAL WATER/SEWER REV & TRF	152,155,118	143,438,215	121,210,718	116,052,346	(5,158,372)	80.9%
EXPENDITURES - DEPARTMENTS						
17 FINANCE	4,331,581	6,695,455	3,323,517	3,286,385	(37,132)	49.1%
18 ECONOMIC & COMM DEV	1,108,818	1,175,484	840,375	871,108	30,733	74.1%
19 POLICE	610,168	629,778	466,424	604,840	138,416	96.0%
20 FIRE	489,202	490,207	392,200	386,436	(5,764)	78.8%
21 PUBLIC WORKS	767,349	1,338,058	632,132	762,369	130,237	57.0%
22 GENERAL SRVCS/SUPPORT SERVICES	1,455,248	1,788,764	1,041,964	1,198,057	156,093	67.0%
23 INFORMATION TECHNOLOGY	380,068	620,540	305,811	451,794	145,983	72.8%
24 ENGINEERING:ADMINISTRATION	1,440,705	1,567,106	1,126,105	1,219,068	92,963	77.8%
25 ENGINEERING:GENERAL SERVICES	1,754,654	3,389,247	1,308,278	1,177,257	(131,021)	34.7%
26 WATER CUSTOMER SERVICE	3,341,966	3,438,551	2,627,247	2,679,240	51,993	77.9%
27 WATER DISTRIBUTION & MAINTENANCE	9,455,481	11,330,917	7,474,423	8,000,563	526,140	70.6%
28 WASTEWATER MAINTENANCE	10,328,212	13,111,874	7,581,518	6,721,249	(860,269)	51.3%
29 COLUMBIA CANAL WTP	6,112,904	7,280,606	4,525,334	4,437,411	(87,923)	60.9%
30 LAKE MURRAY WTP	5,728,607	7,108,716	4,312,682	4,519,059	206,377	63.6%
31 METRO WWTP	14,500,411	19,201,107	10,346,509	10,578,131	231,622	55.1%
32 WATER SYSTEMS IMPROVEMENTS	1,913,074	2,967,248	1,550,969	1,762,621	211,652	59.4%
33 WASTEWATER SYSTEMS IMPROVEMENTS	1,290,059	1,504,850	1,017,465	1,087,854	70,389	72.3%
34 CONSTRUCT MGMT-WASTEWATER IMPROVEMENT	21	0	0	0	0	0.0%
35 REAL ESTATE WATER	234,413	262,625	179,786	189,664	9,878	72.2%
36 REAL ESTATE WASTE	222,887	229,574	174,654	180,136	5,482	78.5%
37 WATER/SEWER IMPROVEMENTS	4,075,823	0	275,086	2,511,045	2,235,959	0.0%
38 TOTAL DEPARTMENT	69,541,651	84,130,707	49,502,479	52,624,287	3,121,808	62.6%
EXPENDITURES - NON-DEPARTMENTAL & MISC.						
40 DEBT SERVICE	14,524,189	31,030,000	16,105,100	13,700,874	(2,404,226)	44.2%
41 DEPRECIATION	35,411,576	0	0	0	0	0.0%
42 TUITION REIMBURSEMENT	5,750	35,000	3,500	5,000	1,500	14.3%
43 TECHNOLOGY CONTINGENCY	86,773	503,039	0	15,134	15,134	3.0%
44 EMPLOYEE PAY RAISES	0	0	0	0	0	0.0%
45 EMPLOYEE TRAINING	50,000	50,000	50,000	25,000	(25,000)	50.0%
46 ECONOMIC DEVELOPMENT SPECIAL PROJECTS	78,500	78,500	78,500	53,500	(25,000)	68.2%
47 RESERVE	0	3,217,000	0	0	0	0.0%
48 ADMINISTRATIVE	229,915	0	0	100	100	0.0%
49 NON-DEPARTMENTAL BAD DEBT	1,590,092	300,000	5,848	978	(4,870)	0.3%
50 TOTAL NON-DEPARTMENTAL	51,976,795	35,213,539	16,242,948	13,800,586	(2,442,362)	39.2%
52 TOTAL EXPENDITURES	121,518,446	119,344,246	65,745,427	66,424,873	679,446	55.7%
TRANSFERS OUT						
55 TO GENERAL FUND	4,945,605	0	4,121,338	1,891,667	(2,229,671)	0.0%
56 TO FEMA GRANT	0	10,000,000	0	0	0	0.0%
57 TO CAPITAL PROJECTS FUND	140,000	0	0	0	0	0.0%
58 TO WATER/SEWER IMPROVEMENTS	0	12,988,969	0	0	0	0.0%
59 TO RISK MANAGEMENT	500,000	500,000	416,667	416,667	0	83.3%
60 TO GENERAL TORT	249,695	0	0	0	0	0.0%
61 TO WORKER'S COMP	851,980	0	0	0	0	0.0%
62 TO CENTRAL STORES	494,091	130,000	125,000	0	(125,000)	0.0%
63 TO GEN ADM INFO TECH	454,733	475,000	378,944	395,833	16,889	83.3%
64 TO PURCHASING	401,814	0	308,746	580,480	271,734	0.0%
65 TO CAPITAL REPLACEMENT	630,245	0	0	0	0	0.0%
66 TOTAL TRANSFERS OUT	8,668,163	24,093,969	5,350,695	3,284,647	(2,066,048)	13.6%
68 TOTAL WATER/SEWER EXP & TRF	130,186,609	143,438,215	71,096,121	69,709,520	(1,386,601)	48.6%
71 TOTAL SURPLUS (DEFICIT)	21,968,509	0	50,114,597	46,342,826		

City of Columbia
 Water/Sewer Summary - Revenue & Expenditures - Actual to Budget Variance
 As of 04/30/2017

UNAUDITED						
	BUDGET PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	BUDGET CURRENT YEAR THRU APR 2017	ACTUAL CURRENT YEAR THRU APR 2017	ACTUAL TO BUDGET VARIANCE THRU APR 2017	% ANNUAL BUDGET
REVENUE						
1 INTERGOVERNMENTAL REVENUES	0	0	0	260,407	260,407	0.0%
2 CHARGES FOR SERVICES	132,380,145	141,805,000	118,170,834	113,377,082	(4,793,752)	80.0%
3 FINES & FORFEITURES	300,000	300,000	250,000	564,873	314,873	188.3%
4 MISCELLANEOUS REVENUE	10,000	10,000	8,333	5,634	(2,699)	56.3%
5 INTEREST REVENUES	950,000	950,000	791,667	1,660,904	869,237	174.8%
6 RENTS & SALE OF PROPERTY	140,000	150,000	125,000	183,446	58,446	122.3%
7 CONTRIBUTIONS	0	0	0	0	0	0.0%
8 TOTAL REVENUE	133,780,145	143,215,000	119,345,834	116,052,346	(3,293,488)	81.0%
TRANSFERS IN						
10 FROM OTHER FUNDS	0	0	0	0	0	0.0%
11 UNAPPROPRIATED SURPLUS	48,681	223,215	186,013	0	(186,013)	0.0%
12 TOTAL TRANSFERS IN	48,681	223,215	186,013	0	(186,013)	0.0%
14 TOTAL WATER/SEWER REV & TRF	133,828,826	143,438,215	119,531,847	116,052,346	(3,479,501)	80.9%
EXPENDITURES - DEPARTMENTS						
17 FINANCE	6,344,644	6,695,455	5,579,550	3,286,385	(2,293,165)	49.1%
18 ECONOMIC & COMM DEV	1,212,213	1,175,484	979,570	871,108	(108,462)	74.1%
19 POLICE	619,719	629,778	524,817	604,840	80,023	96.0%
20 FIRE	461,997	490,207	408,507	386,436	(22,071)	78.8%
21 PUBLIC WORKS	1,477,031	1,338,058	1,115,051	762,369	(352,682)	57.0%
22 GENERAL SRVCS/SUPPORT SERVICES	1,647,279	1,788,764	1,490,635	1,198,057	(292,578)	67.0%
23 INFORMATION TECHNOLOGY	483,363	620,540	517,116	451,794	(65,322)	72.8%
24 ENGINEERING-ADMINISTRATION	1,387,675	1,567,106	1,305,921	1,219,068	(86,853)	77.8%
25 ENGINEERING-GENERAL SERVICES	3,443,642	3,389,247	2,824,374	1,177,257	(1,647,117)	34.7%
26 WATER CUSTOMER SERVICE	3,208,852	3,438,551	2,865,457	2,679,240	(186,217)	77.9%
27 WATER DISTRIBUTION & MAINTENANCE	10,536,566	11,330,917	9,442,430	8,000,563	(1,441,867)	70.6%
28 WASTEWATER MAINTENANCE	12,738,063	13,111,874	10,926,564	6,721,249	(4,205,315)	51.3%
29 COLUMBIA CANAL WTP	6,843,828	7,280,606	6,067,173	4,437,411	(1,629,762)	60.9%
30 LAKE MURRAY WTP	6,584,739	7,108,716	5,923,931	4,519,059	(1,404,872)	63.6%
31 METRO WWTP	18,761,263	19,201,107	16,000,925	10,578,131	(5,422,794)	55.1%
32 WATER SYSTEMS IMPROVEMENTS	2,166,914	2,967,248	2,472,709	1,762,621	(710,088)	59.4%
33 WASTEWATER SYSTEMS IMPROVEMENTS	1,571,482	1,504,850	1,254,045	1,087,854	(166,191)	72.3%
34 CONSTRUCTION MANAGEMENT-WASTEWATER IMP	0	0	0	0	0	0.0%
35 REAL ESTATE WATER	231,117	262,625	218,853	189,664	(29,189)	72.2%
36 REAL ESTATE WASTE	218,383	229,574	191,311	180,136	(11,175)	78.5%
37 WATER/SEWER IMPROVEMENTS	0	0	0	2,511,045	2,511,045	0.0%
38 TOTAL DEPARTMENT	79,938,770	84,130,707	70,108,939	52,624,287	(17,484,652)	62.6%
EXPENDITURES - NON-DEPARTMENTAL & MISC.						
40 DEBT SERVICE	29,006,859	31,030,000	25,858,333	13,700,874	(12,157,459)	44.2%
41 DEPRECIATION	0	0	0	0	0	0.0%
42 TUITION REIMBURSEMENT	35,000	35,000	29,167	5,000	(24,167)	14.3%
43 TECHNOLOGY CONTINGENCY	256,143	503,039	419,200	15,134	(404,066)	3.0%
44 EMPLOYEE PAY RAISES	1,000,000	0	0	0	0	0.0%
45 EMPLOYEE TRAINING	50,000	50,000	41,667	25,000	(16,667)	50.0%
46 ECONOMIC DEVELOPMENT SPECIAL PROJECTS	78,500	78,500	65,417	53,500	(11,917)	68.2%
47 RESERVE	0	3,217,000	2,680,833	0	(2,680,833)	0.0%
48 ADMINISTRATIVE	0	0	0	100	100	0.0%
49 NON-DEPARTMENTAL BAD DEBT	631,000	300,000	250,000	978	(249,022)	0.3%
50 TOTAL NON-DEPARTMENTAL	31,057,502	35,213,539	29,344,617	13,800,586	(15,544,031)	39.2%
52 TOTAL EXPENDITURES	110,996,272	119,344,246	99,453,556	66,424,873	(33,028,683)	55.7%
TRANSFERS OUT						
55 TO GENERAL FUND	2,675,605	0	0	1,891,667	1,891,667	0.0%
56 TO FEMA GRANT	0	10,000,000	8,333,333	0	(8,333,333)	0.0%
57 TO CAPITAL PROJECTS FUND	0	0	0	0	0	0.0%
58 TO WATER/SEWER IMPROVEMENTS	19,052,216	12,988,969	10,824,141	0	(10,824,141)	0.0%
59 TO RISK MANAGEMENT	500,000	500,000	416,667	416,667	0	83.3%
60 TO GENERAL TORT	0	0	0	0	0	0.0%
61 TO WORKER'S COMP	0	0	0	0	0	0.0%
62 TO CENTRAL STORES	150,000	130,000	108,333	0	(108,333)	0.0%
63 TO GEN ADM INFO TECH	454,733	475,000	395,833	395,833	(0)	83.3%
64 TO PURCHASING	0	0	0	580,480	580,480	0.0%
65 TO CAPITAL REPLACEMENT	0	0	0	0	0	0.0%
66 TOTAL TRANSFERS OUT	22,832,554	24,093,969	20,078,308	3,284,647	(16,793,661)	13.6%
68 TOTAL WATER/SEWER EXP & TRF	133,828,826	143,438,215	119,531,864	69,709,520	(49,822,344)	48.6%
71 TOTAL SURPLUS (DEFICIT)	0	0	(17)	46,342,826		

City of Columbia

Stormwater Summary - Revenue & Expenditures - Current to Prior Year Variance

As of 04/30/2017

UNAUDITED

	ACTUAL PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	ACTUAL PRIOR YEAR THRU APR 2016	ACTUAL CURRENT YEAR THRU APR 2017	ACTUAL CURRENT TO PRIOR VARIANCE	% ANNUAL BUDGET
REVENUE						
1 CHARGES FOR SERVICES	7,299,251	7,135,000	6,082,995	6,146,394	63,399	86.1%
2 FINES & FORFEITURES	0	0	0	0	0	0.0%
3 MISCELLANEOUS REVENUES	75,000	0	75,000	0	(75,000)	0.0%
4 INTEREST REVENUES	164,995	100,000	60,257	136,599	76,342	136.6%
5 RENTS & SALE OF PROPERTY	19,336	0	12,763	16,078	3,315	0.0%
6 INTERGOVERNMENTAL REVENUES	100,000	0	100,000	0	(100,000)	0.0%
7 TOTAL REVENUE	7,658,582	7,235,000	6,331,015	6,299,071	(31,944)	87.1%
TRANSFERS IN						
9 TOTAL TRANSFERS IN	0	0	0	0	0	0.0%
11 TOTAL STORMWATER REV & TRF	7,658,582	7,235,000	6,331,015	6,299,071	(31,944)	87.1%
EXPENDITURES - DEPARTMENTS						
14 STREETS:STORM DRAIN MAINTENANCE	1,480,416	2,111,158	1,147,789	1,266,630	118,841	60.0%
15 SOLID WASTE STREET SWEEPING	778,897	1,236,811	594,749	668,766	74,017	54.1%
16 STORM WATER:OPERATIONS	11,661	0	11,345	41	(11,304)	0.0%
17 STORM WATER:ENGINEERING	1,882,375	2,261,223	1,231,777	1,267,509	35,732	56.1%
18 REAL ESTATE STORM WATER	89,099	90,799	69,793	72,176	2,383	79.5%
19 STORM DRAIN MAINTENANCE	282,740	0	143,143	0	(143,143)	0.0%
20 PROPERTY ACQUISITION	13,802	0	465,607	15,067	(450,540)	0.0%
21 TOTAL DEPARTMENT	4,538,990	5,699,991	3,664,203	3,290,189	(374,014)	57.7%
EXPENDITURES - NON-DEPARTMENTAL & MISC.						
23 DEPRECIATION	1,031,602	0	0	0	0	0.0%
24 EMPLOYEE PAY RAISES	0	0	0	0	0	0.0%
25 ADMINISTRATIVE	17,613	0	0	0	0	0.0%
26 BAD DEBT EXPENSE	1,936	0	0	0	0	0.0%
27 TOTAL NON-DEPARTMENTAL	1,051,151	0	0	0	0	0.0%
29 TOTAL EXPENDITURES	5,590,141	5,699,991	3,664,203	3,290,189	(374,014)	57.7%
TRANSFERS OUT						
32 TO STORM WATER IMPROVEMENTS	0	1,535,009	0	0	0	0.0%
33 TO USDA GRANT	0	0	0	226,557	226,557	0.0%
34 TO GENERAL TORT	18,782	0	0	0	0	0.0%
35 TO WORKER'S COMP	64,087	0	0	0	0	0.0%
36 TO CENTRAL STORES	37,166	0	0	0	0	0.0%
37 TO CAPITAL REPLACEMENT	47,408	0	0	0	0	0.0%
38 TOTAL TRANSFERS OUT	167,443	1,535,009	0	226,557	226,557	14.8%
40 TOTAL STORMWATER EXP & TRF	5,757,584	7,235,000	3,664,203	3,516,746	(147,457)	48.6%
43 TOTAL SURPLUS (DEFICIT)	1,900,998	0	2,666,812	2,782,325		

City of Columbia
Stormwater Summary - Revenue & Expenditures - Actual to Budget Variance
As of 04/30/2017

UNAUDITED

	BUDGET PRIOR YEAR FY 2015/16	BUDGET CURRENT YEAR FY 2016/17	BUDGET CURRENT YEAR THRU APR 2017	ACTUAL CURRENT YEAR THRU APR 2017	ACTUAL TO BUDGET VARIANCE THRU APR 2017	% ANNUAL BUDGET
<u>REVENUE</u>						
1 CHARGES FOR SERVICES	6,939,000	7,135,000	5,945,834	6,146,394	200,560	86.1%
2 FINES & FORFEITURES	15,000	0	0	0	0	0.0%
3 MISCELLANEOUS REVENUES	0	0	0	0	0	0.0%
4 INTEREST REVENUES	150,000	100,000	83,333	136,599	53,266	136.6%
5 RENTS & SALE OF PROPERTY	0	0	0	16,078	16,078	0.0%
6 INTERGOVERNMENTAL REVENUES	0	0	0	0	0	0.0%
7 TOTAL REVENUE	7,104,000	7,235,000	6,029,167	6,299,071	269,904	87.1%
<u>TRANSFERS IN</u>						
9 TOTAL TRANSFERS IN	0	0	0	0	0	0.0%
11 TOTAL STORMWATER REV & TRF	7,104,000	7,235,000	6,029,167	6,299,071	269,904	87.1%
<u>EXPENDITURES - DEPARTMENTS</u>						
14 STREETS:STORM DRAIN MAINTENANCE	2,257,499	2,111,158	1,759,299	1,266,630	(492,669)	60.0%
15 SOLID WASTE STREET SWEEPING	984,897	1,236,811	1,030,679	668,766	(361,913)	54.1%
16 STORM WATER:OPERATIONS	0	0	0	41	41	0.0%
17 STORM WATER:ENGINEERING	2,598,399	2,261,223	1,884,354	1,267,509	(616,845)	56.1%
18 REAL ESTATE STORM WATER	87,046	90,799	75,667	72,176	(3,491)	79.5%
19 STORM DRAIN MAINTENANCE	0	0	0	0	0	0.0%
20 PROPERTY ACQUISITION	0	0	0	15,067	15,067	0.0%
21 TOTAL DEPARTMENT	5,927,841	5,699,991	4,749,999	3,290,189	(1,459,810)	57.7%
<u>EXPENDITURES - NON-DEPARTMENTAL & MISC.</u>						
23 DEPRECIATION	0	0	0	0	0	0.0%
24 EMPLOYEE PAY RAISES	100,000	0	0	0	0	0.0%
25 ADMINISTRATIVE	0	0	0	0	0	0.0%
26 BAD DEBT EXPENSE	0	0	0	0	0	0.0%
27 TOTAL NON-DEPARTMENTAL	100,000	0	0	0	0	0.0%
29 TOTAL EXPENDITURES	6,027,841	5,699,991	4,749,999	3,290,189	(1,459,810)	57.7%
<u>TRANSFERS OUT</u>						
32 TO STORM WATER IMPROVEMENTS	1,076,159	1,535,009	1,279,174	0	(1,279,174)	0.0%
33 TO USDA GRANT	0	0	0	226,557	226,557	0.0%
34 TO GENERAL TORT	0	0	0	0	0	0.0%
35 TO WORKER'S COMP	0	0	0	0	0	0.0%
36 TO CENTRAL STORES	0	0	0	0	0	0.0%
37 TO CAPITAL REPLACEMENT	0	0	0	0	0	0.0%
38 TOTAL TRANSFERS OUT	1,076,159	1,535,009	1,279,174	226,557	(1,052,617)	14.8%
40 TOTAL STORMWATER EXP & TRF	7,104,000	7,235,000	6,029,173	3,516,746	(2,512,427)	48.6%
43 TOTAL SURPLUS (DEFICIT)	0	0	(6)	2,782,325		

City of Columbia, SC
Fund 253 - Summary of Flood Expenditures
July 1, 2016 Through April 30, 2017

	Division Description	Paid Amount	Balance on Encumbrance	Total Paid and Encumbrance	Unfunded Percentage	Unfunded Amount
2531116	FEMA-Budget & Program Mgmt	1,541,649.36	2,434,132.46	3,975,781.82	25.00%	993,945.46
2531201	FEMA-General Services	2,112.00	0.00	2,112.00	25.00%	528.00
2531706	FEMA-Engineering Svcs	359,887.03	691,577.30	1,051,464.33	25.00%	262,866.08
2532301	FEMA - Fire - Admin	0.00	0.00	0.00	25.00%	0.00
2532303	FEMA - Fire	0.00	0.00	0.00	25.00%	0.00
2532403	FEMA - Police	61,624.67	0.00	61,624.67	25.00%	15,406.17
2533201	FEMA-Streets GF	0.00	0.00	0.00	25.00%	0.00
2533202	FEMA-Streets W&S	0.00	0.00	0.00	25.00%	0.00
2533204	FEMA-Traffic Ops	0.00	0.00	0.00	25.00%	0.00
2534202	FEMA-Engineering Storm Drain	519,323.50	0.00	519,323.50	25.00%	129,830.88
2534203	FEMA-Storm Drain Maint	0.00	0.00	0.00	25.00%	0.00
2534402	FEMA-Solid Waste	0.00	0.00	0.00	25.00%	0.00
2535104	FEMA-Parks	4,297.00	0.00	4,297.00	25.00%	1,074.25
2536203	FEMA-Water Maintenance	0.00	0.00	0.00	25.00%	0.00
2536205	FEMA - Wastewater Maintenance	295,942.59	131,990.03	427,932.62	25.00%	106,983.16
2536206	FEMA-Columbia Canal	1,190,357.85	2,899,700.15	4,090,058.00	25.00%	1,022,514.50
2536207	FEMA-Lake Murray WTP	0.00	0.00	0.00	25.00%	0.00
2536208	FEMA-Metro WWTP	685,805.81	103,966.56	789,772.37	25.00%	197,443.09
2538701	FEMA- Admin	0.00	0.00	0.00	25.00%	0.00
2538956	FEMA- Supplies	0.00	0.00	0.00	25.00%	0.00
2538961	FEMA - Radio Repair	11,074.32	0.00	11,074.32	25.00%	2,768.58
2538970	FEMA- Fleet	0.00	0.00	0.00	25.00%	0.00
2539999	FEMA - CIP	\$363,990.44	0.00	363,990.44	25.00%	90,997.61
	TOTAL	5,036,064.57	6,261,366.50	11,297,431.07		2,824,357.77



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Human Resources

FROM: *Pam Benjamin,*

SUBJECT: Health Care Discussion - Mr. Kevin Bryant, Resident Manager
Director of the South Carolina operations for AON Risk
Services South, Inc.

FINANCIAL IMPACT:



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Engineering

FROM: *Joey Jaco, Director of Utilities and Engineering*

SUBJECT: Clean Water 2020 Update / Economic Impact - Mr. Joey Jaco, Director of Engineering and Mr. Bryan Cully, Project Manager for CDM Smith

PRESENTER: Joey Jaco, Director of Engineering; Bryan Cully, CDM Smith

FINANCIAL IMPACT:

CLEAN WATER 2020?: Yes

STRATEGIC GOALS: Provide high quality municipal services

ATTACHMENTS:

- **#a:** Econ Analysis of CW2020 (PDF)

CW2020 Economic Impact Analysis

City of Columbia

Eric McClellan,
CDM Smith
Bryan Cully,
CDM Smith

May, 2016

The CDM Smith logo, featuring the text "CDM" stacked above "Smith" in a bold, white, sans-serif font, set against a blue background.A decorative banner at the bottom of the slide. It features a green vertical bar on the left, followed by a section with a close-up image of water droplets, and then three solid blue squares of varying shades. Below this banner, the text "WATER + ENVIRONMENT + TRANSPORTATION + ENERGY + FACILITIES" is displayed in a light blue, sans-serif font, with "WATER" in green.

WATER + ENVIRONMENT + TRANSPORTATION + ENERGY + FACILITIES

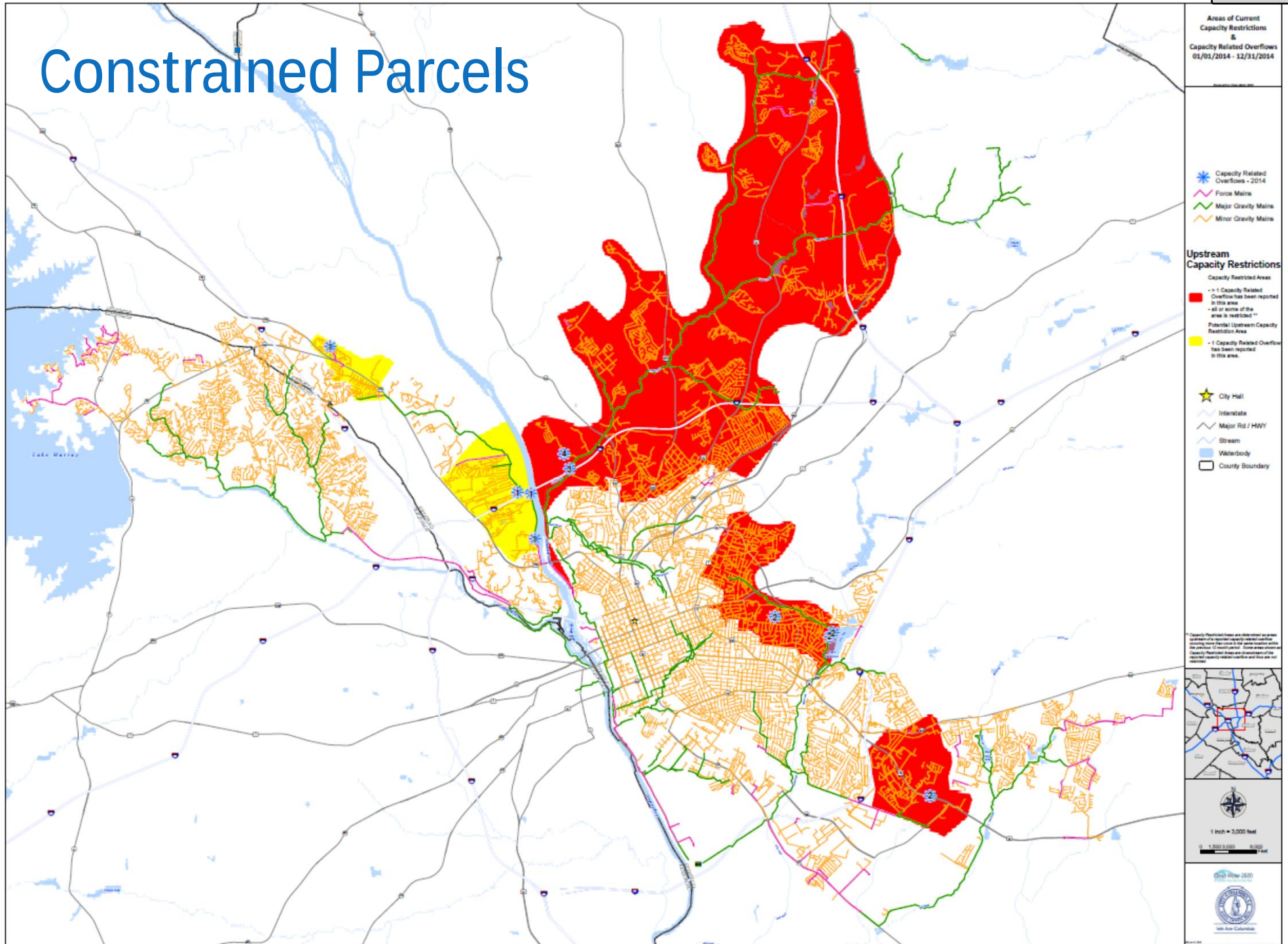
Presentation Overview

- Good News and NO broken pipe or SSO pictures!
- Study Purpose
- Meet your Economist – Eric McClellan
- Understanding Economic Metrics and Jargon
- Understanding the Economic Impact of Wastewater Capacity Limited Areas
- Economic Impact of CleanWater 2020
 - **Job Impacts**

Study Purpose & Framework

- Quantify the benefit of wastewater infrastructure investment
- Impacts
 - **activities** – implementation of the \$750M and developing constrained parcels
 - **types** – direct, indirect, and induced
 - **measures** – employment, income, output, etc.
- Two County Region as “the City”
 - Richland
 - Lexington
- Analysis Timeframe – spans 25 years
 - Implementation of the \$750 – 10 years
 - construction development of the constrained area – 25 years
 - business activity of the constrained area – 25 years and beyond

Constrained Parcels



Economic Impacts: *Many Facets*

■ Activities

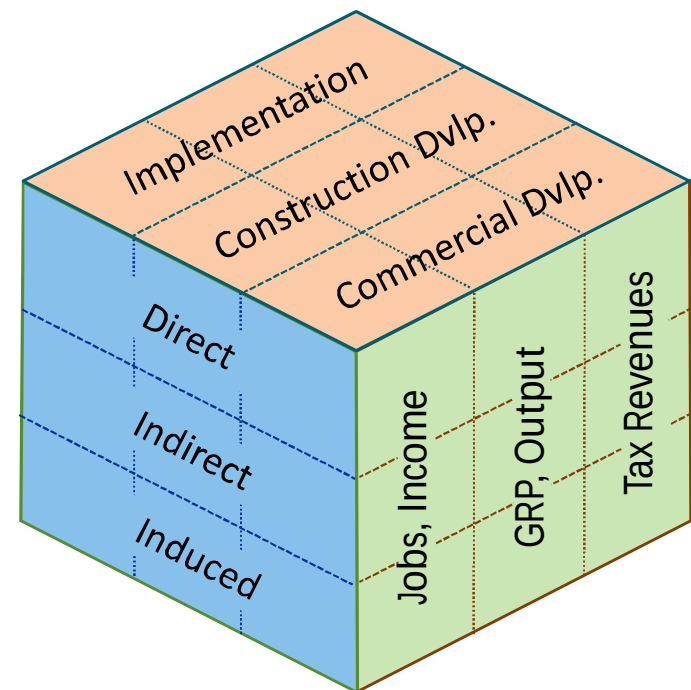
- **implementation** – Construction, professional services, etc. (10 years)
- **construction development of constrained areas** – residential and commercial (25 years)
- **commercial development of constrained areas** – new business (25+ years)

■ Types

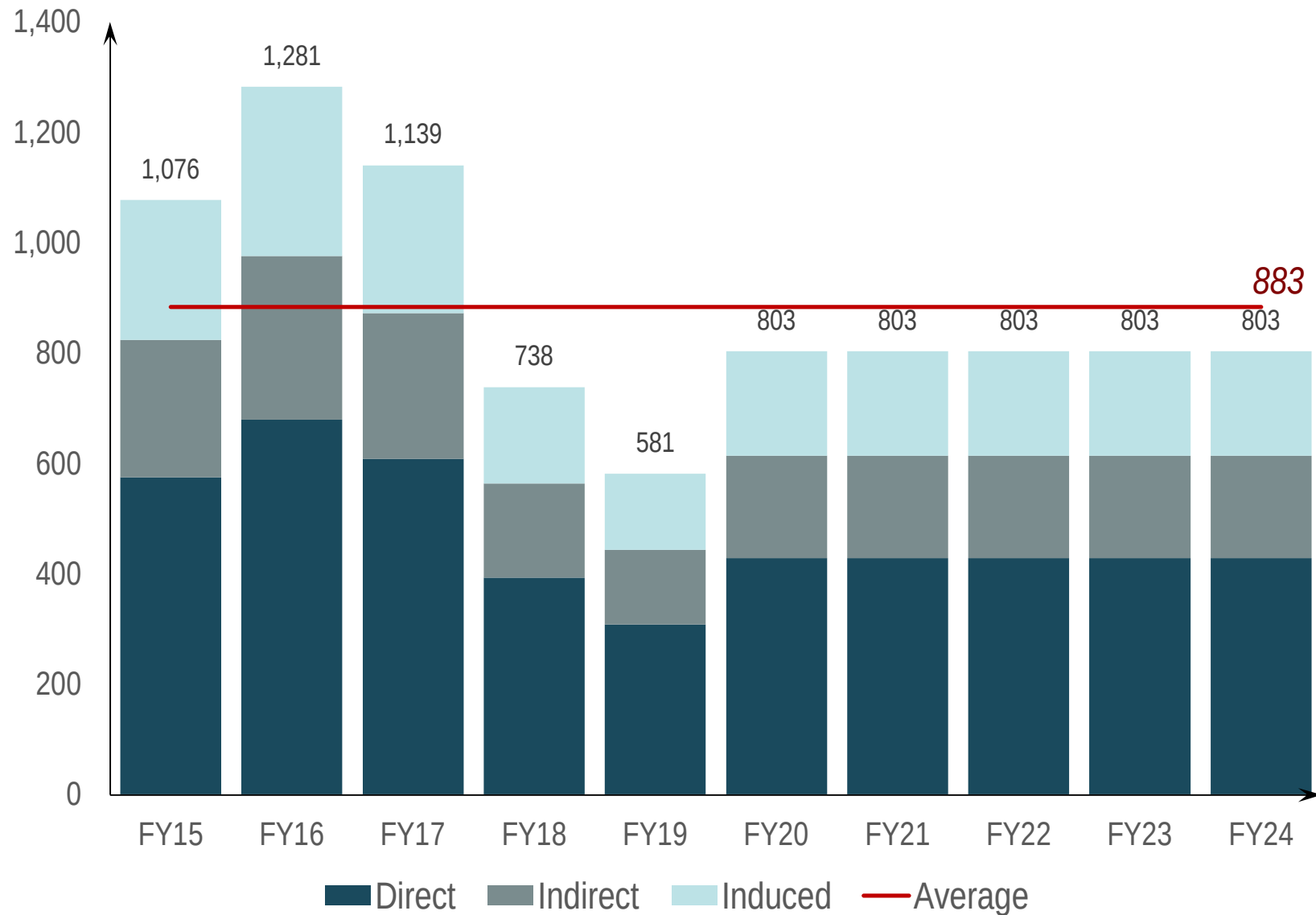
- **direct** – primary activity
- **indirect** – suppliers
- **induced** – income responding

■ Measures

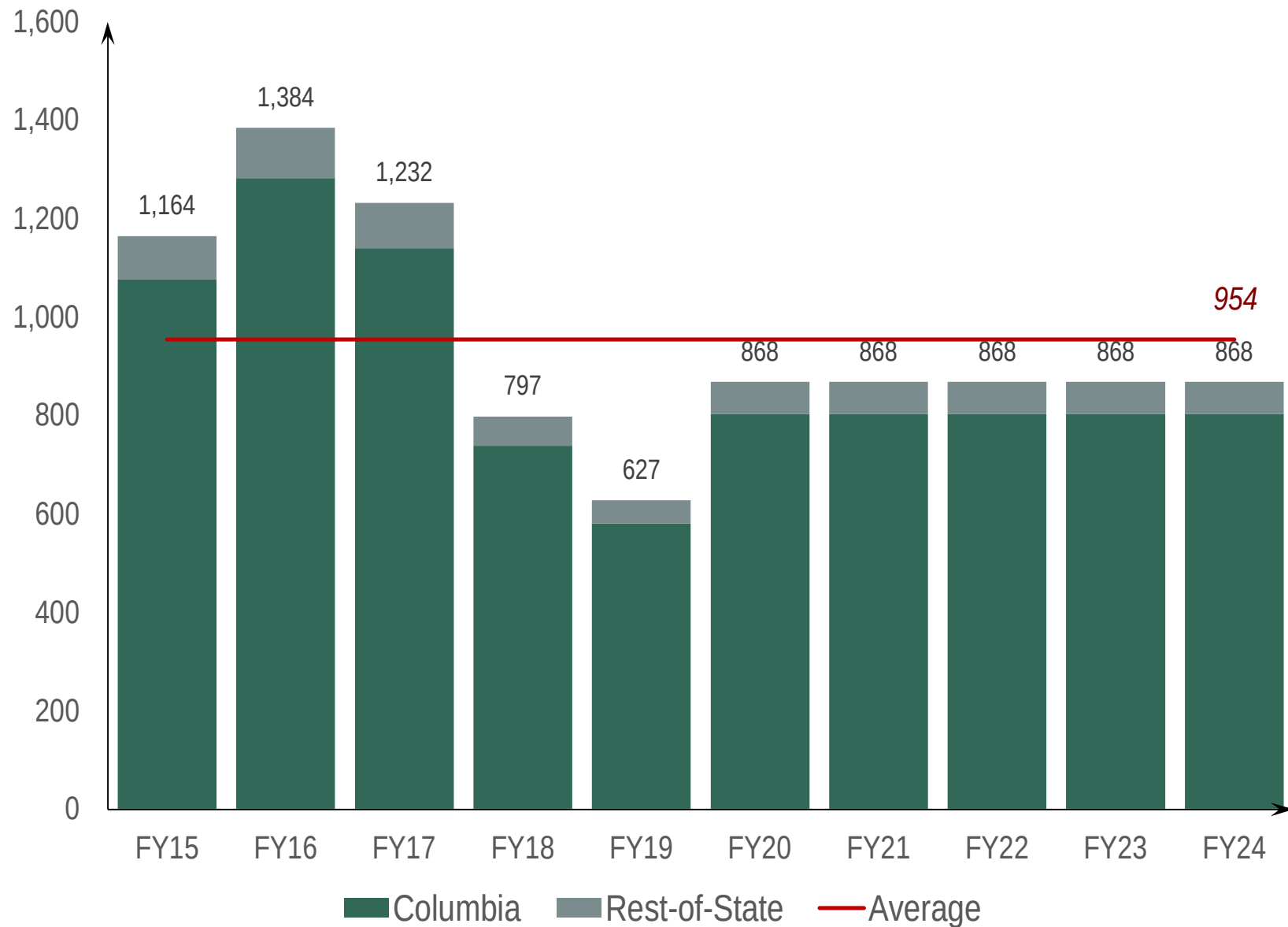
- **jobs**
- **income**
- **GRP**
- **output**
- **tax revenues**

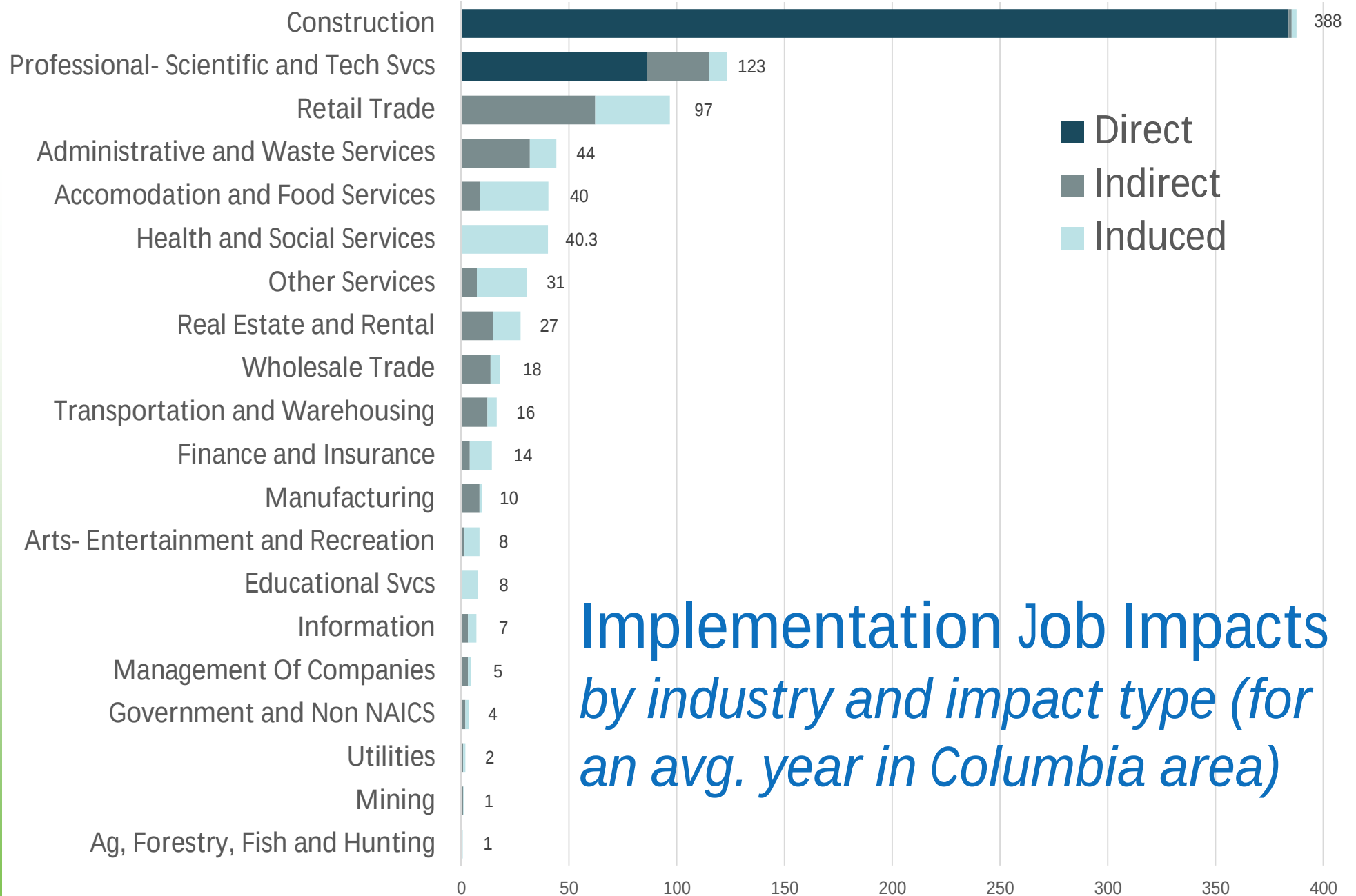


Implementation Job Impacts *by Type* (Columbia)



Implementation Job Impacts *by Geography* (State)





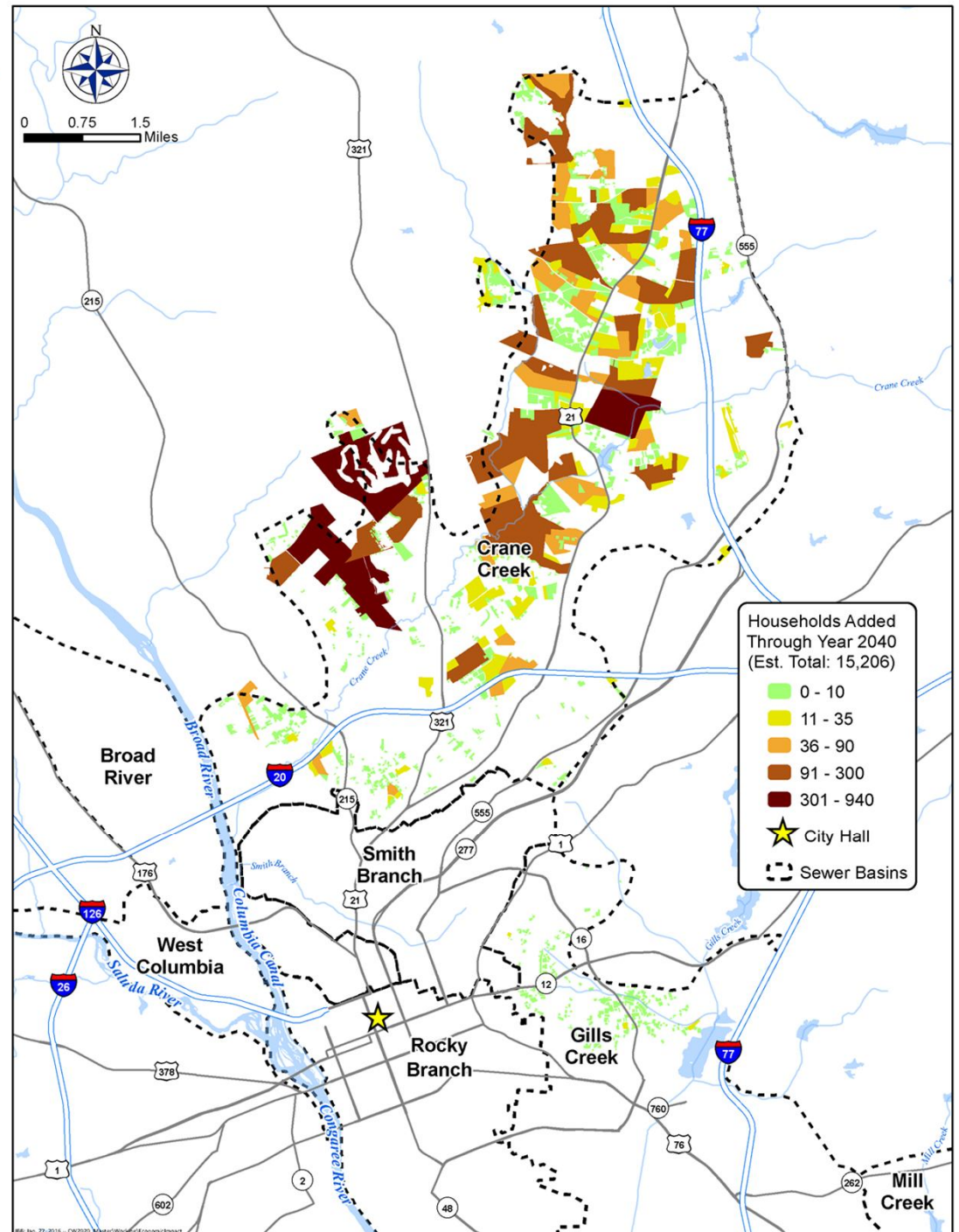
Implementation Job Impacts
*by industry and impact type (for
 an avg. year in Columbia area)*

New Development Considerations

- *Attributes* – Parcel #, GIS location, sewer basin, and size for 81,567 parcels (116,923 acres, 13% of the Richland-Lexington county land area).
- *Zoning* – Commercial, Industrial, Mixed Use, Residential, and Unknown.
- *Land Use* – Agricultural, Developed, Un-Developed, Water, Wetland, or Unknown.
- *Sewer* – Capacity constraints, and watersheds
- *Socioeconomic* – Existing (i.e., 2010) and future (i.e., 2040) year household and employment data obtained from the Census and LEHD data at a block level was allocated by parcel to derive the development possibilities

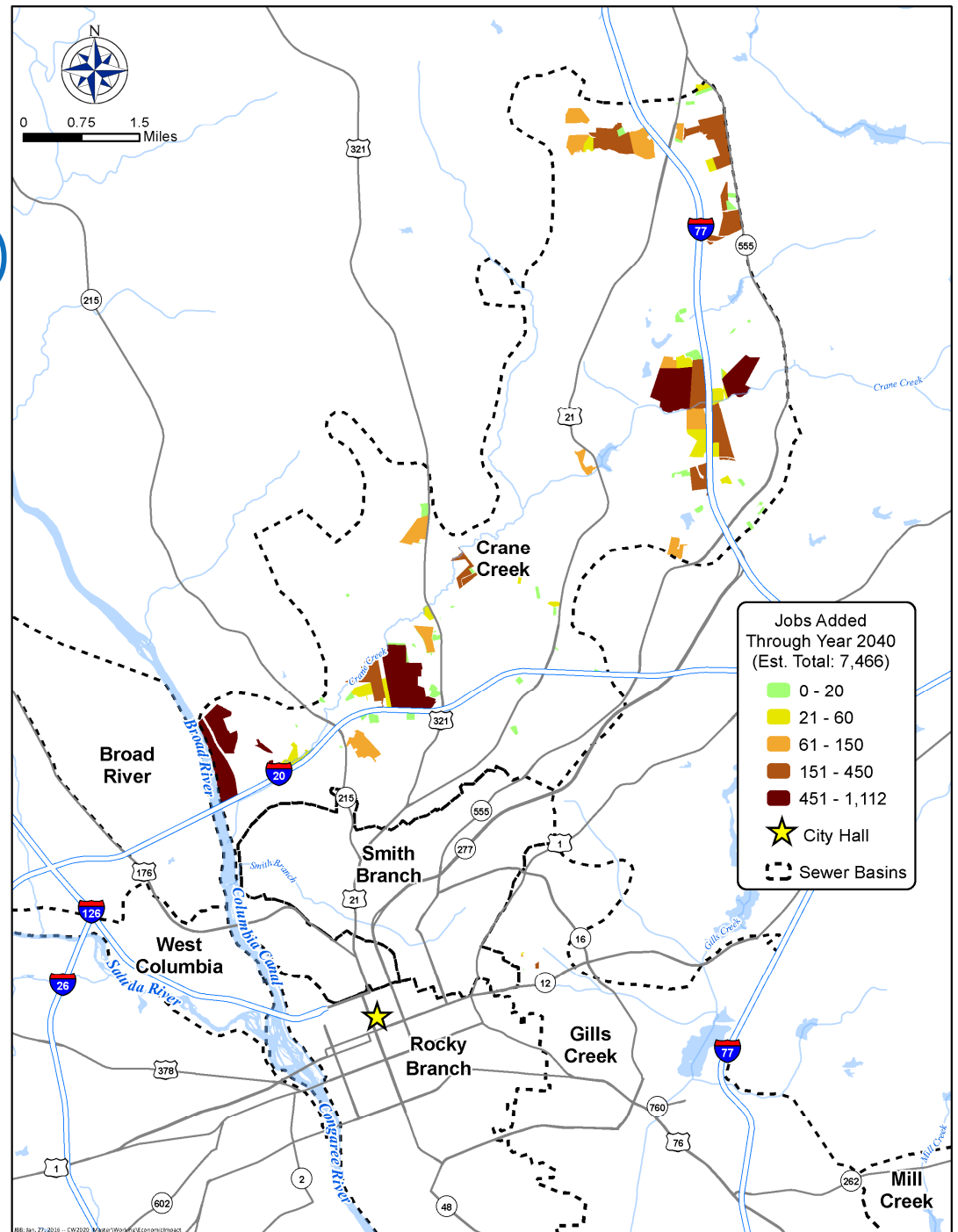
New Development – Households by 2040

- New household density by location

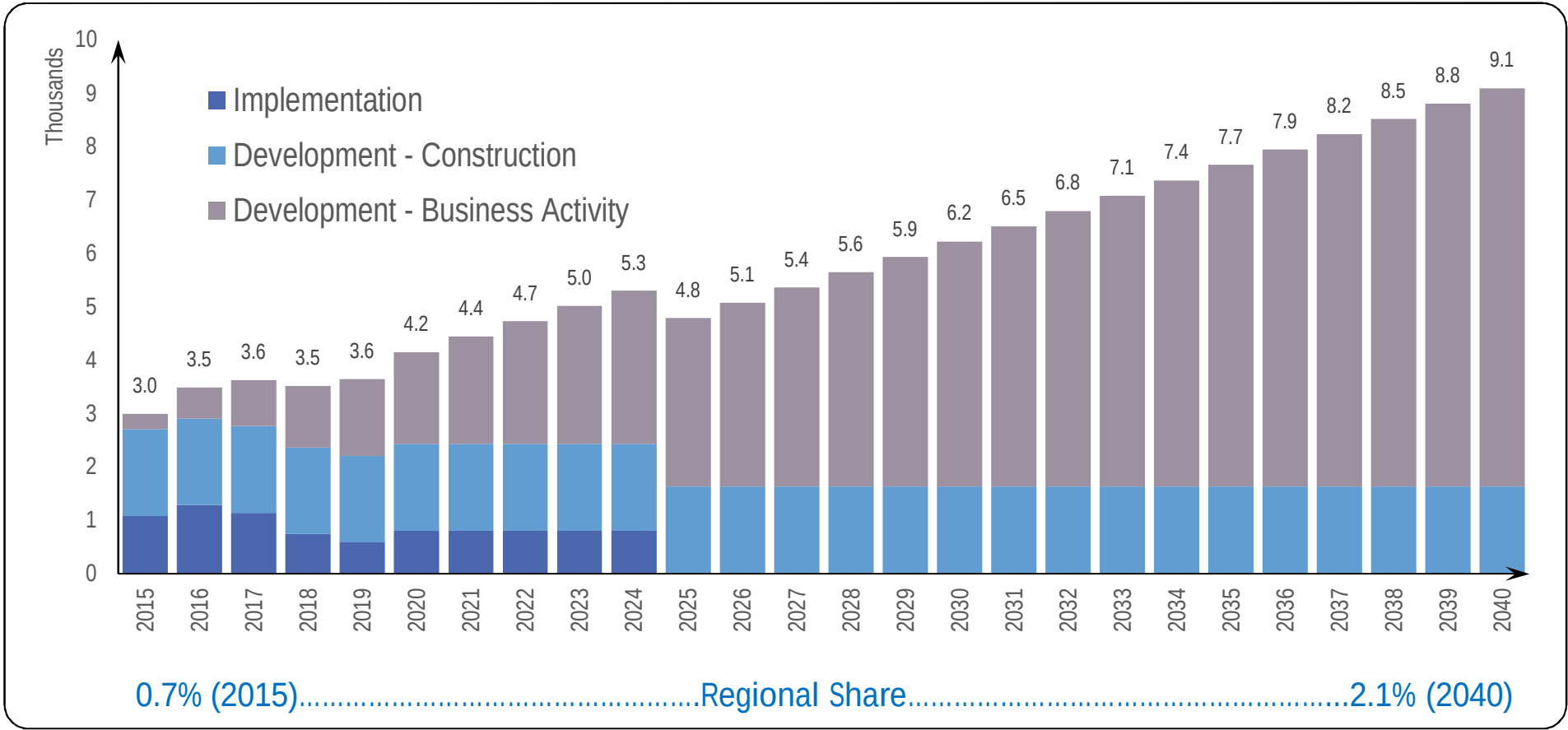


New Development – Business Activity (Commercial and Industrial) by 2040

- New employment density by location
- Excludes short-term construction impacts

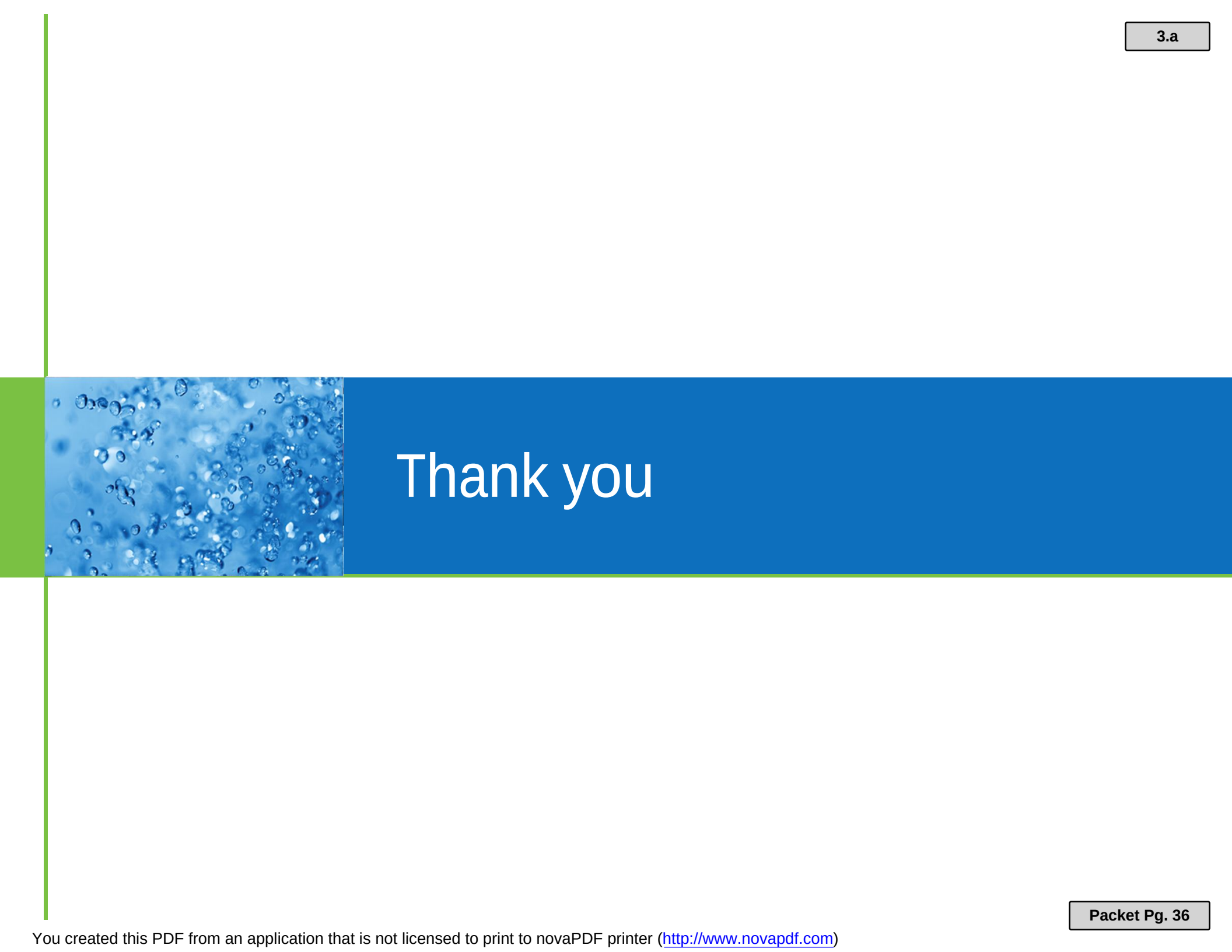


Annual Job Impact Summary



Other Considerations for Further Discussion

- *Detail on values of other measurables*
 - *Total economic activity*
 - *Tax revenue generation*
 - *Etc.*
- *Include areas prevented from entering flow restrictions*
- *Public awareness & Info-graphics*
- *Separate meeting to focus on analysis*



Thank you



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Receipt of legal advice related to matters covered by attorney-client privilege pursuant to §30-4-70(a)(2)

FINANCIAL IMPACT: Adams and Reese, LLP Conflict Waiver
Billboards
Penny Project Utility Relocations



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Receipt of legal advice related to a pending, threatened or potential claim pursuant to §30-4-70(a)(2)

FINANCIAL IMPACT: Pelzer v. City
Meeks v. City



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Discussion of negotiations incident to proposed contractual arrangements pursuant to §30-4-70(a)(2)

FINANCIAL IMPACT: Lower Richland Sewer Extension Agreement
Gills Creek Agreement
Fire Services Agreement
Marathon
Bull Street Venue License Agreement
Capital City Ballpark Site



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Discussion of negotiations incident to the proposed purchase of property pursuant to §30-4-70(a)(2)

FINANCIAL IMPACT: Columbia College Drive



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Discussion of employment of an employee pursuant to §30-4-70(a)(2)

FINANCIAL IMPACT: City Attorney



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Council is asked to approve the April 18, 2017 and May 2, 2017 Meeting Minutes

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** MN_04_18_2017_D (DOC)
- **#b:** MN_05_02_2017_D (DOCX)



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

The Columbia City Council met for a Work Session on Tuesday, April 18, 2017 at City Hall, 1737 Main Street, Columbia, South Carolina. The Honorable Mayor Stephen K. Benjamin called the meeting to order at 12:25 p.m. and the following members of Council were present: The Honorable Howard E. Duvall, Jr., The Honorable Edward H. McDowell, Jr. and The Honorable Daniel J. Rickenmann. The Honorable Sam Davis arrived at 12:29 p.m. and The Honorable Tameika Isaac Devine arrived at 2:25 p.m. 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. Rickenmann and seconded by Mr. Duvall, Council voted unanimously to adopt the agenda.

FINANCIAL REPORT

1. Ms. Jan Alonso, Finance Director will be present to answer questions regarding the February 2017 Financial Report.

There were no questions at this time.

FISCAL YEAR 2017/2018 BUDGET WORKSHOP

2. Automated Meter Reading / Advanced Metering Infrastructure - Mr. Joey Jaco, Director of the Engineering Department and Mr. Clint Shealy, Director of the Utility Operations Department

Mr. Joey Jaco, Director of the Engineering Department recalled that staff recommended CH2M Hill to be the project manager throughout the process of conducting a feasibility business case, selecting a contractor and implementation of AMR/AMI. He introduced Mr. Jason Shaw, Water Engineer in the Engineering Department as the AMR/AMI Project Manager and Mr. David DePratter and Mr. Josh Braman as Project Managers for CH2M Hill. He announced that Josh is relocating from Cleveland, Ohio to the City of Columbia. He explained that the next phase will include the release of a Request for Proposals (RFP).



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING MINUTES
TUESDAY, APRIL 18, 2017**

Mr. Josh Braman, Project Manager for CH2M Hill noted that CH2M Hill is not affiliated with any other vendor. He explained that the City currently reads meters using some EMR-touchpad technology, which enables the City to catch one read per month for the issuance of a bill. The use of AMI technology offers additional benefits to include multiple data points, tamper and theft protection and on-demand reads. AMI changes how the meter reads are collected and allows utility staff and customers to access the data online. In response to the Mayor, he noted that many of the AMR/AMI vendors have adopted solutions for smart lighting, trash collections and other services; the network can do much more than meter reading. This communication system will cover the entire water service area. He explained that meters are designed to last over 20 years, but older meters may under-register water by five percent resulting in a loss of revenue. He noted that the City's meters are 14 years old and may under-register by four percent for water and sewer.

Mr. David DePratter, Project Manager for CH2M Hill continued to report that the City has 144,000 meters in its system and he proposed replacing all meters smaller than two inches (residential) and meters that are larger than two inches and at least ten years old. He estimated that 2,000 meters will not be replaced. The total program cost is \$49 million with an annualized benefit of \$10 million. He said this is one of the strongest business cases we've seen. There's a six-year return on investment for the meters and the communications infrastructure. The life expectancy of a meter is twenty years. He reviewed the investments and capital costs.

Mr. Josh Braman, Project Manager for CH2M Hill explained that the system is designed to detect leaks and to notify the utility and the customer when there is a leak. He explained that AMR was common drive-by technology from the 1990s, but AMI is current technology. He reviewed the schedule and next steps, while noting that implementation will take up to thirty months.

Mr. David DePratter, Project Manager for CH2M Hill said the expected outcomes include improved customer service, improved operational efficiency, improved call center morale and improved social and environmental factors, along with a platform for Smart Cities.

Councilor Rickenmann asked if the City will make it easier for customers to pay their bills.

Mr. Joey Jaco, Director of the Engineering Department said we would like to have one platform for customers to use for bill payments and complaints. This system will give customers more payment flexibility.



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

Mr. David DePratter, Project Manager for CH2M Hill explained that ensuring program success will require communications and stakeholder engagement. To move from the current state of public skepticism to City and taxpayer empowerment, we will acknowledge issues with the current system, engage stakeholders in the implementation process and provide tools for building advocacy.

Mr. Josh Braman, Project Manager for CH2M Hill explained how additional data will be captured during the implementation process and how that information will be used to improve future operations. He described how the Clear Reads program was effectively implemented in Cleveland, Ohio. The firm will also design and implement a customized communication plan for the City of Columbia to educate customers about the new process and the new technology. Before any installations, City staff, City Council and stakeholders will be engaged in the process and a website will be available. The next steps are to develop the vendor Request for Proposals within two months and to complete the procurement process within six months.

Councilor Rickenmann inquired about the per meter cost of replacement.

Mr. Josh Braman, Project Manager for CH2M Hill said the cost to replace a meter is the total program cost divided by 145,000 meters. He said a large component of the cost is hardware upgrades.

Councilor Rickenmann asked if all meter boxes will be replaced.

Mr. Josh Braman, Project Manager for CH2M Hill said 330 random meter boxes were surveyed and only 18% of those meters needed to be replaced. It would be extremely costly to replace all meter boxes. With the new technology the meter boxes will not be opened as much and wear and tear will decrease.

Councilor Davis said the end product will be good. He expressed concerns about women and seniors being able to seek assistance.

Councilor Duvall asked if the collection system uses mesh technology and if the City's Information Technology Services Department will install the collectors.

Mr. Josh Braman, Project Manager for CH2M Hill said this is point to point technology; each end point communicates directly to a collector. He explained that a subcontractor will install the collectors and the IT design will be completed by the AMI vendor.



We Are Columbia

COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

Councilor Duvall asked if small cell sites on utility poles can be the collector.

Mr. Josh Braman, Project Manager for CH2M Hill said there is the potential for collection sites to share a location if the utility has access. Another option is that if a cellular company already has a site the space can be shared with the utility. We are recommending a radio based system.

Councilor Rickenmann inquired about the installation costs. He noted that we can subcontract this work locally.

Mr. Josh Braman, Project Manager for CH2M Hill estimated that it will cost \$8.2 million for the residential and commercial installation. There are 7,500 commercial meters.

Mayor Benjamin said this is exciting on all fronts and this is the way to go. Columbia will be the vanguard.

3. Overview of Operational and Capital Needs - Ms. Melisa Caughman, Budget and Program Management Director

Ms. Teresa Wilson, City Manager explained that we have several items to discuss today as we lead into a discussion about the general fund, operational needs of the City, capital needs and needs for our citizens. The framework for the budget is getting back to the basics.

- Healthcare Discussion / Historical Overview - Ms. Pamela Benjamin, Human Resources Director and Ms. Melisa Caughman, Budget and Program Management Director

Ms. Pamela Benjamin, Human Resources Director introduced Ms. Connie Cauthen as the City's Benefits Manager. She explained that a viable health care strategy must balance the costs and liabilities with providing attractive, affordable and comprehensive benefits for employees. We must also ensure that the benefits we provide are in compliance with the Affordable Care Act. The City of Columbia is self-insured and costs are managed through cost containment and cost sharing. She explained how costs are contained through the City's health and wellness program; the process for managing eligibility; stop-loss coverage at a level of \$450,000; adoption of a defined dollar benefit; and consumer-driven healthcare. She noted that cost sharing is established through plan design and co-pays. The City offers health, dental, vision, accidental death and dismemberment, and optional insurance coverage for active employees and pre-65 retirees through three plan types and four enrollment options. For post-65 retirees, the City offers a



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

Medicare supplemental plan and an optional pharmacy plan with three enrollment options. She reviewed the 2017 health and pharmacy plan summary for active employees and pre-65 retirees.

Councilor Rickenmann suggested that the City offer an incentive for individuals that go one year without having a claim.

Ms. Pamela Benjamin, Human Resources Director explained that our claim history continues to rise. She presented a trend analysis chart of employee and pre-65 retiree claims.

Councilor Rickenmann asked to see the administration costs along with the claims. The combined rate in 2011/2012 was \$18.5 million and now we are looking at \$30 million. The trend that we are looking at is not sustainable. He asked what is causing the increase and what can be done to help it.

Ms. Pamela Benjamin, Human Resources Director said we are trending at 8%, which is the national average. She agreed to provide the administrative costs and the trends for each plan.

Councilor Duvall said his goal is to get us off of our own plan and onto the State's plan. We need to determine the total dollar amount of administrative costs involved, because it might be cheaper to go someplace else.

Ms. Pamela Benjamin, Human Resources Director said employees can be covered by another plan, but the City would be the primary insurance for its employees. She noted that employees can decline the City's coverage and plan changes can be made in October of every year. She reviewed a summary of the current health care plan design that was adopted by City Council in August 2016 and took effect in January 2017. She noted that there were significant changes to the deductibles, out of pocket maximums and premiums. She recalled that in 2008, the City was faced with growing healthcare costs along with the new accounting and reporting requirement known as GASB Statement 45. At that time, the City's Other Post-Employment Benefits (OPEB) liability was \$161 million; the Annual Required Contribution (ARC) was \$16 million; and the City's health care costs were in excess of \$17 million with an average of 14% growth per year. She reviewed the changes that were adopted in 2008 and went into effect in 2009 to reduce liability and control health care costs. Prior to 2008, employees did not pay for their coverage, but they did pay for family members. She reviewed the additional changes that went into effect in 2009. In 2010, the City's GASB liability grew to over \$204 million. In 2011, the City adopted a cap to the costs of health care by establishing a Defined Dollar Benefit. The GASB liability was reduced by 49%. In 2014, retiree premiums were increased in order to maintain the previously established DDB. The current liability is over \$148 million. She reviewed a



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comprehensive listing of changes that have been implemented since 2009 to include limiting retiree enrollment changes. She presented a list of alternatives that were previously discussed and considered.

Mayor Benjamin inquired about aggressive and creative measures that would reduce the City's ARC without compromising our ability to recruit and retain quality employees.

Ms. Pamela Benjamin, Human Resources Director said a RFP was issued for a health care consultant to look at alternatives we've previously considered and best practices.

Mayor Benjamin suggested that they work with current or prospective partners to devise a plan that allows retirees to exit the plan voluntarily, at a cost to be determined.

Ms. Teresa Wilson, City Manager said we have retirees who are young and working other places, yet we are paying health care coverage for them and their dependents. We have to look at the numbers and determine if we continue operating that way.

Councilor Duvall said the biggest driver with GASB is post-65 retirees and if we set a limit on what we are going to pay that will drive down the GASB requirement significantly. He requested a comparison of the City's benefits to the State health plan to include the cost for us to join the plan and our current administration costs. He also requested a discussion with Richland County on their post-65 plan, because they are saving millions of dollars.

Mayor Benjamin inquired about the City's upcoming ARC liability.

Ms. Melisa Caughman, Budget and Program Management Director said \$10,010,000.

Ms. Pamela Benjamin, Human Resources Director reviewed the next steps to include a discussion with the consultant in June, the issuance of a RFP for a Third Party Administrator by August and open enrollment in October with the new plan year beginning January 2018.

Councilor Duvall asked about the current TPA costs.

Ms. Pamela Benjamin, Human Resources Director said \$2.6 million for medical, \$138,000 for pharmacy and \$60,000 for dental. She noted that cost sharing also impacts the cost of claims.



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Ms. Teresa Wilson, City Manager explained that staff met this morning to review the direction of the health center. We have a potential opportunity to change the model or we may continue down the path we're on.

Councilor Rickenmann said the challenge is sustaining the plan into the future; the more people we have in the plan, the less the costs will be.

Councilor Duvall said there is a difference in compensation for single employees and those with spouses and children.

Ms. Teresa Wilson, City Manager said single employees do not pay the same premium.

Ms. Pamela Benjamin, Human Resources Director agreed to keep the members of Council informed with the process as we move forward.

- Employee Compensation and Benefits – Ms. Pamela Benjamin, Human Resources Director

Ms. Pamela Benjamin, Human Resources Director recalled that part of City Council's 2036 Vision Statement is attracting and retaining talent and leading the way in innovative and high quality municipal services. We must attract and retain good people in order to meet those focus areas and goals. A large part of any department's budget is their personnel services.

- Compensation Philosophy

Ms. Pamela Benjamin, Human Resources Director explained that a compensation and classification study was conducted in 2014 and this allowed us to create a new compensation philosophy that included the creation of a new compensation and classification structure and provided a foundation for us to attract talent through competitive pay systems. We have a minimum starting salary of \$10.10 per hour. Over a two-year period we implemented \$4 million in pay adjustments for employees.



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

- Pay for Performance

Ms. Pamela Benjamin, Human Resources Director said as part of our retention strategy, we are introducing a new performance evaluation system. This system will include a pay for performance component in the second year. There are apprenticeship programs within some departments and we are developing a paid internship program with Richland School District One for mechanics. She proposed cost of living adjustments or bonuses in order to continue to retain good employees. The Police and Fire Departments will also present retention plans that they would like to implement. She introduced PRIDE (Providing Relevant Individual Development for Employees) as the City's new performance management system. The system will help develop the strong performance culture that is critical to growing and sustaining a high performance and customer service oriented workforce. The PRIDE system will emphasize strategic alignment, ensure that we are setting and meeting business objectives and individual goals, and use performance data to inform development and to inform our performance initiative and leadership planning. It will be used to setup a pay for performance strategy for employees that exceed expectations.

Councilor Rickenmann agreed that we should be developing, retaining and maintaining. He suggested that the City setup contract opportunities for employees that are already in the system.

Councilor Davis said he likes the idea of taking advantage of employees' skills to enhance the overall operation. He suggested that we communicate the fact that bonuses will be depending on our budget.

Ms. Teresa Wilson, City Manager noted that pay for performance is not being contemplated for this budget. She said we will talk about the ability to compensate employees who make less than \$50,000. We have to first determine how to administer merits and pay for performance in hopes of implementing the system during the next fiscal year.

- Recruitment & Retention

Ms. Pamela Benjamin, Human Resources Director presented employee retention options to include a Cost of Living Adjustment or bonus to assist in maintaining salary levels, which will also offset the increase in employee health insurance premiums. She noted that both the City and employee retirement contributions will increase. She reported that the implementation of a 2% COLA for the entire staff will cost \$2.3 million for salary and fringes. She outlined a bonus structure ranging from \$300 to \$500 net for employees earning less than \$50,000. She noted that approximately 1,806 employees earn less than \$50,000.



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

- Public Safety Retention Plans
 - Columbia Fire Department

Fire Chief Aubrey Jenkins, Columbia Fire Department said this retention plan was designed to target areas of attrition and to assist with the retention of employees in the Columbia Fire Department. He said they've made great strides through the implementation of the compensation and classification study. However, research is showing that the department is in need of an aggressive pay step plan in order to remain competitive in the marketplace. An average of 51.2 employees was hired per year since 2010, but the department continues to lose an average of 43.6 employees per year. The 2012 Attrition Study determined that the manageable attrition rate is 3% to 5%, but the target is 3%. He outlined the contributing factors and target resolutions to address attrition.

Councilor Rickenmann recalled that a survey of exit interviews found that internal dissatisfaction with management impacted retention, not compensation. He asked if that had been addressed. He said the consolidated service is challenging and our guys have to pick up the slack in order to provide A-1 service. We need to address those issues that are affecting our folks who are wearing so many different hats.

Mr. S. Allison Baker, Senior Assistant City Manager explained that some levels of supervision have been eliminated and a Fire Chief Advisory Team has been developed. He reported that City Manager Wilson also visited the fire stations, met with the firemen and identified the low hanging fruit that could be addressed.

Fire Chief Aubrey Jenkins, Columbia Fire Department recalled that the Fire Department lost five 24-hour holidays several years ago. There would be a need to hire additional firefighters in order to restore the ten 24-hour holidays. This may also reduce overtime costs. He noted that they also implemented higher education and specialized training incentive pay in 2016. Research is showing that starting salaries are competitive. The Columbia Fire Department has developed a plan that will help us be competitive with other fire departments. Currently, there are 503 fulltime budgeted positions and 10 vacancies.

Councilor Devine requested a breakdown of the resignations. She agreed that it is incumbent upon us to communicate the value of our benefits package to all employees.



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

Ms. Teresa Wilson, City Manager said the impact of this discussion is less about recruitment and more about retention. We are in a place where the capacity to serve is impacted by the retention of employees we've invested in over a period of time.

Mayor Benjamin recalled previous ideas that were put on the table by the Fire Chief that would allow the department to recoup costs associated with accidents. The City and County should empower the Fire Department to recoup some of those costs.

Fire Chief Aubrey Jenkins, Columbia Fire Department continued to report on the employee losses from 2010-2016.

Councilor Devine asked how Chief Jenkins planned to address the issue of employees leaving to go other places and starting at a higher rank.

Fire Chief Aubrey Jenkins, Columbia Fire Department reported that it cost the City \$7.2 million to train new firefighters over the last seven years, which is approximately \$20,000 for each new hire. He recommended that all Fire Department employees receive the recommended increase during year one. This should improve compression issues. He noted that firefighters start at \$33,336. He also recommended institution of the proposed annual step increase in year two. This will move personnel towards the midpoint of their pay range. He proposed a 4%, 3.5% or 3% annual step increase. It would take eight years for personnel to reach the mid-point if they also receive a 2% merit increase.

Ms. Teresa Wilson, City Manager said they would no longer receive the step increase once they reach the midpoint.

There was an in-depth discussion about the pay recommendations from the compensation and classification study for the Fire Department.

Mayor Benjamin said we have to approach this as a plan design change; it's a very different approach to meeting the compensation and cultural needs of cops and firefighters. It's a long-term fundamental structural change.



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

■ Columbia Police Department

Police Chief William “Skip” Holbrook, Columbia Police Department said that the purpose of this briefing is to discuss the impact that hiring and retention issues have on our agency. He recalled that in February of 2015, the City Manager authorized a 7% pay raise and bonus/incentive plan for Columbia Police Department officers. The previous calendar year ending in 2014 only resulted in nine police officers being hired. The total number employed at the end of 2014 was 347 sworn and 97 non-sworn. Simultaneous to the pay raise and incentive plan, we restructured our HR/Recruiting Unit to focus on recruiting and hiring sworn/non-sworn personnel. In 2015, the police department launched an aggressive recruitment campaign. Those efforts resulted in 56 police officers being hired, eight of which were S.C. certified. A total of 48 police officers separated from employment with the Columbia Police Department in 2015. The 2015 year end sworn staff level was 355. He reviewed the restructuring highlights to include the promotion of 59 officers, filling of vacancies and the receipt of hundreds of applications for sworn officers. In 2016, recruiters attended 52 recruiting events, conducted 75 conditional offer interviews and facilitated nine oral review boards. We hired 39 police officers and 44 police officers separated from employment in 2016. The year-end sworn strength totaled 350. For 2015 and 2016, we hired 95 people and we lost 92. The Columbia Police Department, like many law enforcement agencies across the country, faces increasing policing challenges that impact the hiring and retention of qualified police officers. He outlined many high profile events that have impacted peoples’ desire to become police officers. He noted that there are factors related to unprecedented development in the City of Columbia. Our ability to police during these times has been remarkable, but it’s not sustainable. We received 143 applications in 2017, hired 20 officers, lost 17 officers, we have 73 sworn vacancies, and 33 officers are eligible to retire. He outlined the elements of training for new recruits while noting that it takes 33 weeks for an officer to become patrol ready. He estimated that over \$770,000 in additional replacement costs have been incurred in 2017. He recommended that the Columbia Police Department meet or exceed the starting salaries of comparable agencies and establish a pay tier system. Option one would move officers 10% to the starting pay equivalent of comparable agencies at a cost of \$2.5 million. It would cost an additional \$537,000 to implement the pay step initiative on July 1st. Option two moves officers across the board by 3% to the starting salary of comparable agencies without causing salary compression at a cost of \$714,000. The step plan beginning July 1st is an additional \$583,000, resulting in a \$1.3 million budget impact.

Councilor Devine noted that option two would only bring salaries to \$36,052.

Councilor Rickenmann said we have to invest internally and stop investing externally.



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Ms. Teresa Wilson, City Manager said it has been very noble of the Council to not have a millage increase for ten years. We find ourselves in a place where there are real issues on the table related to public safety and operations and we can't absorb it anymore. As an option, you have a banked millage of 6.5 that you could take advantage of.

Mr. Jeff Palen, Assistant City Manager / Chief Financial Officer explained that State law dictates how much we can raise the millage each year. It's based on the population and CPI increase each year. He noted that banked mils are the current year and the prior three years of allowable millage. We estimate that the value of a mil is \$570,000, but for budgeting purposes it is estimated at \$559,000.

Councilor Rickenmann said this is a public safety increase. He asked how the millage increase will affect other departments.

Ms. Teresa Wilson, City Manager explained that the millage increase would be in addition to us reducing the general fund budget. We are presenting a public safety millage increase to provide for some combination of the chiefs' plans. She recalled that we included an opportunity for you to do something for employees earning less than \$50,000 and/or a Cost of Living Adjustment. We tried to address this previously, but it hasn't been sustainable.

Councilor Devine reiterated Mr. Rickenmann's concern about making sure the numbers are correct in getting us to the midpoint.

Councilor Duvall suggested that the City recoup the deficit of \$3.1 million owed from the County for fire services. He suggested that the City could save money by offering non-traditional healthcare plans to employees and their dependents. He suggested that the City consider a public safety fee that would apply to all agencies.

There was an in-depth discussion regarding the options regarding public safety funding, healthcare benefits, true costs, funding for other departments and the impact of increasing the millage.

Ms. Teresa Wilson, City Manager thanked the members of Council for taking the time to understand the core issues and agreed to bring back more information on the recommendations and suggestions that were discussed today.



We Are Columbia

COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

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- Fiscal Year 2017/2018 General Capital Projects – Ms. Melisa Caughman, Budget and Program Management Director

Ms. Melisa Caughman, Budget and Program Management Director noted that general capital projects are repairs to existing facilities, but some requests are for new facilities.

Ms. Teresa Wilson, City Manager said projects on this list are of immediate need.

Ms. Melisa Caughman, Budget and Program Management Director added that these projects have been identified by departments. She reviewed the list of projects for the Parks and Recreation, Public Safety and General Services. This is a multi-year funding list and some projects have identified funding. She reviewed the list of projects for the Public Works Department, noting that Council previously received a presentation on sidewalk requests totaling \$1.8 million.

Councilor Davis suggested that we ask SCDOT to share in the cost of installing sidewalks along state owned roads.

- Fiscal Year 2017/2018 Proposed General Fund – Ms. Melisa Caughman, Budget and Program Management Director

Ms. Melisa Caughman, Budget and Program Management Director said the proposed General Fund consists of what has been requested, but it does not include the public safety plans. She projected revenues at \$126 million, which is 1.9% over the current year budget and \$4 million over prior year actuals. The transfers-in total \$14.5 million, which is the same as the current year. She noted that transfers-in are 10% of the total budget and \$8 million represents lease proceeds for capital replacements. Combined revenues and transfers-in are \$141 million, which is 1.7% over the current year. The majority of revenue comes from property taxes, which are not as susceptible to fluctuation. She reported that the budget is not in balance. Department requests total \$124 million, which is a 7% increase and all department budgets reflect an increase in healthcare and State retirement. The department budgets do not include the 2% retirement increase that is being proposed, but we have made some accommodations for funding within the general fund. She reported that the the lump sum amount for healthcare is approximately \$6 million.

Councilor Duvall stated that over the course of three budgets, we've increased retirement by \$15 million.



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Ms. Melisa Caughman, Budget and Program Management Director reviewed the non-departmental requests totaling almost \$6 million, which is a 22% increase for the issuance of a new capital lease. She noted that detention center costs are \$35 per day per person; we are required to fund the public defender at \$100,000; and homeless services are \$1 million. The transfers-out total \$18.7 million, of which \$8 million is for a new capital replacement lease; funding for the component units that were moved to the general fund; and \$5.8 million in debt service. She reviewed new items in the general fund to include partial funding for an internal auditor; the municipal election; updating the City's 10-year comprehensive plan; an annexation coordinator, facilitator, and other annexation components; emergency management, operations for the Saluda and Vista Greenways and gateway/major corridor maintenance. She reported that the requested budget is \$7.9 million out of balance and based on current revenue projections, departments budgets will need to be reduced while absorbing increases for health care and State retirement. She outlined the options for balancing the budget.

Councilor Devine asked to see how the budget requests line up with Council's vision statement.

Mayor Benjamin said we will have additional revenue generating opportunities as we transition to a smart city through the implementation of AMI. He suggested that by using cash to build parking garages while attaching rates that have been suggested and selling air rights we could find a model that could cash flow without having debt attached to it. Those funds could be deposited for our long-term OPEB liability.

In closing, Ms. Caughman reminded the members of Council that we will continue budget discussions on May 2, 2017 and also finalize discussions on water and sewer, the proposal for storm water and for the general fund. The final meeting before we advertise will be held on May 16, 2017.

There was a consensus of Council to schedule a budget workshop on May 9, 2017 at 2:00 p.m.

EXECUTIVE SESSION

Upon a motion made by Mr. Duvall and seconded by Ms. Devine, Council voted unanimously to enter into Executive Session at 5:19 p.m. for the discussion of **Items 4** through **6** and the discussion of negotiations incident to proposed contractual arrangements related to the TD Bank Garage.

4. Discussion of the Appointment of an Employee pursuant to §30-4-70(a)(1)
 - *Municipal Court Judges*



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**COLUMBIA CITY COUNCIL MEETING MINUTES
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5. Discussion of the Employment of an Employee pursuant to §30-4-70(a)(1)
 - *City Attorney*

6. Receipt of legal advice related to matters covered by attorney-client privilege pursuant to §30-4-70(a)(2)
 - *Public Purpose Doctrine*
 - *Smith v. Robison & Coey*
 - *Sidewalk Vending*
 - *EdVenture Children's Museum*

DRAFT



We Are Columbia

COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, APRIL 18, 2017

The Columbia City Council met on Tuesday, April 18, 2017 at City Hall, 1737 Main Street, Columbia, SC. The Honorable mayor Stephen K. Benjamin called the meeting to order at 6:22 p.m. and the following members of Council were present: The Honorable Sam Davis, The Honorable Tameika Isaac Devine, The Honorable Howard E. Duvall, Jr., and The Honorable Edward H. McDowell, Jr. The Honorable Moe Baddourah and The Honorable Daniel J. Rickenmann were 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.

PLEDGE OF ALLEGIANCE

Joseph Keels Elementary School Student Council Members led the Pledge of Allegiance.

INVOCATION

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

PUBLIC INPUT RELATED TO AGENDA ITEMS

No one appeared at this time.

ADOPTION OF THE AGENDA

Upon a motion made by Mr. McDowell and seconded by Mr. Davis, Council voted unanimously to adopt the agenda as amended by deferring the consideration of **Item 13**.

APPROVAL OF MINUTES

7. March 7, 2017 and March 21, 2017 Meeting Minutes

Upon a motion made by Mr. Duvall and seconded by Mr. McDowell, Council voted unanimously to approve the March 7, 2017 and March 21, 2017 Meeting Minutes, as presented.

CONSENT AGENDA ITEMS 8 THROUGH 14

Upon a single motion made by Mr. Davis and seconded by Mr. Duvall, Council voted unanimously to approve the **Consent Agenda Items 8** through **12** and **14**.



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8. Council is asked to approve the Purchase of 500 pairs of Honeywell Super Gloves for the Columbia Fire Department. Award to Newton's Fire & Safety Equipment, Inc. in the amount of \$55,000.00. This vendor is located in Graham, NC. *Funding Source: Fire Suppression-Safety Clothing And Supplies; 1012303-625900. The original budgeted amount is \$56,000.00. - Approved*

9. Council is asked to approve the purchase of Lab Analysis Equipment, as requested by the Police Department. Award to Agilent Technologies in the amount of \$95,515.36. This vendor is located in Wilmington, DE. *Funding Source: Police Department: Administrative Services- Computer/Elect Equipment-Capital; 1012402 - 658600 - The budgeted amount is \$95,520. - Approved*

10. Council is asked to approve Project WM4407; Construction Services for Silver Lake Road East Asphalt Repairs, as requested by Utility Operations Department. Award to North American Pipeline Management, Inc., a Woman Owned Business Enterprise in an amount not to exceed \$74,580.00. This firm is located in Marietta, GA. *Funding Source: Engineering-Paving & Asphalt Supplies Construction General Services; 5511706-623500. The original budgeted amount is \$83,500.00. Sub-consultant Brad Pace Construction, a Small Business Enterprise of Lyman, SC will provide asphalt paving at \$21,120.00 (34%) of the contract value. - Approved*

11. Council is asked to approve Cooling Tower Replacement Services at Police Headquarters, as requested by the Support Services Division. Award to Hoyt's Heating & AC, Inc., in an amount not to exceed \$103,356.00. This firm is located in Sumter, SC. *Funding Source: Capital Projects; 4039999-CP106001-658650. The original budgeted amount is \$120,000.00. - Approved*

12. Council is asked to approve the Purchase and Installation of Furniture at the new Water/Wastewater Facility located at 4011 West Beltline Boulevard, as requested by the Wastewater Maintenance Division. Award to Interior Elements, LLC, a certified Local Business Enterprise using the SC State Contract in the amount of \$316,342.66. This vendor is located in Columbia, SC. *Funding Source: Utilities Wastewater Maintenance – Small Office Furniture; 5516205 -621010. The original budgeted amount is \$380,047.18. - Approved*



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13. 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 *First reading approval was given on April 4, 2017. Consideration of this item was deferred.*
14. Resolution No.: R-2017-039 - Authorizing consumption of beer and wine only within Boyd Plaza adjacent to the Columbia Museum of Art for Runaway Runway - *Approved*

PRESENTATIONS

15. Recognition of Mayor's Fellows - The Honorable Mayor Stephen K. Benjamin

Mayor Benjamin introduced the following Mayor's Fellows for the Spring 2017 Semester:

- Jalesa Cooley (Summerville, South Carolina) is a junior at The University of South Carolina majoring in public relations.
- Meghan Durant (Sandwich, Massachusetts) is a junior at the University of South Carolina studying political science and public relations.
- Taylor Evans (North Myrtle Beach, South Carolina) is a junior at the University of South Carolina majoring in public relations and minoring in psychology.
- Daniel Glover (Cross, South Carolina) is a senior at the University of South Carolina majoring in public health with a minor in business administration.
- Kevin Harper (Fort Mill, South Carolina) is a sophomore biology major at the University of South Carolina.
- Nakia "Nick" Hooks (New Orleans, Louisiana) is a freshman political science major at the University of South Carolina.
- Tianna Mills (Florence, SC) is a senior African-American Studies major at the University of South Carolina.



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- Christopher Perez (San Antonio, Texas) is a junior sport and entertainment management major at the University of South Carolina.
 - Morgan Rising (Charlotte, North Carolina) is a freshman at the University of South Carolina majoring in public health and minoring in business administration.
 - Henry Rohrer (Ardmore, Pennsylvania) is a sophomore history major at the University of South Carolina.
 - Justin Smith (Summerville, South Carolina) is a freshman at the University of South Carolina in the Darla Moore School of Business. He is double majoring in international business and economics and double minoring in Chinese studies and political science.
 - Samuel Smoot (Irmo, South Carolina) is a graduate of Francis Marion University located in Florence, South Carolina. While attending Francis Marion University, he earned his bachelor's degree in political science with a minor in history.
 - Jacob Thompson (Florence, South Carolina) is a freshman at the University of South Carolina majoring in political science.
 - Jordan Thompson (Spartanburg, South Carolina) is a senior at the University of South Carolina where he is majoring in social work with a minor in political science.
16. Recognizing the Information Technology Services Department as the 2016 Silver State Electronics Challenge Award Recipient - Ms. Mary Pat Baldauf, Sustainability Facilitator
- Ms. Mary Pat Baldauf, Sustainability Facilitator for the Public Works Department said the Information Technology Services Department was recognized as the 2016 Silver State Electronics Challenge Award Recipient. The program was designed to help participants conserve energy, cut operating costs, reduce greenhouse gas emissions and avoid solid and hazardous wastes. This was our first year participating in the challenge. The City's Information Technology Services Department is 1 in 17 organizations being recognized in the country this year and the only one being recognized in South Carolina. The challenge was based on buying green equipment, using it efficiently and recycling it.



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17. National Bike Month and Bicycle Safety Month Proclamation -The Honorable Mayor Stephen K. Benjamin

Mayor Benjamin and the members of Council proclaimed May 2017 as National Bike Month and Bicycle Safety Month; the week of May 15-19, 2017 as Bike to Work Week; and May 19, 2017 as Bike to Work Day in the City of Columbia.

18. Bike and Pedestrian Advisory Committee Update - Mr. Keith Gosselin, Chair of Bike and Pedestrian Advisory Committee

Mr. Keith Gosselin, Chair of Bike and Pedestrian Advisory Committee said we want all walkers and riders to be safe while enjoying this great City. He explained that BPAC is a 13-member advisory committee appointed by City Council. He announced that Columbia's first Open Streets event was attended by up to 1,500 people along Devine Street. He said the civic event emphasized how incredible our streets are. The Mayor's Bike and Walk Summit will be held during May 4-5, 2017. He reiterated that May is Bike Month and activities are designed for all ages. He reviewed the current BPAC initiatives related to new yield signs for pedestrians and bicycle guidance signs on Main Street; conducting bicycle and pedestrian counts; and supporting Gills Creek and Greene Street/Foundation Square. He reviewed regional efforts in Atlanta, Charleston and Spartanburg. He asked Council to set an annual budget allocation for infrastructure; to install bike facilities that circulate downtown; prioritize the implementation of catalyst projects in the Walk Bike Columbia Plan and to ensure regulatory and departmental inclusion of pedestrian and bicyclist considerations in development design and infrastructure processes.

Mayor Benjamin reported that the City has three miles of bike boulevard; one mile of the Vista Greenway is open; two blocks of the Innovista Trail are now open; five miles of share roads; nine miles of bike lanes; 17 miles of shared use; 97 high visibility crosswalks; and we recently submitted a Bicycle Friendly application.

SIDEWALK VENDING PUBLIC HEARING

19. Ordinance No.: 2017-029 - Granting a Franchise to Di Wangwright d/b/a Golden Palmetto, LLC for operation of a stationary sidewalk vending cart in the mid-block pad near 1333 Main Street - *First reading approval was given on April 18, 2017.*

Council opened the Sidewalk Vending Public Hearing at 6:58 p.m.



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No one appeared in support of or in opposition to this matter.

Council closed the Sidewalk Vending Public Hearing at 6:58 p.m.

Upon a motion made by Mr. McDowell and seconded by Mr. Davis, Council voted unanimously to give first reading approval to Ordinance No.: 2017-029 - Granting a Franchise to Di Wangwright d/b/a Golden Palmetto, LLC for operation of a stationary sidewalk vending cart in the mid-block pad near 1333 Main Street.

ORDINANCES - FIRST READING

20. Ordinance No.: 2017-017 - Authorizing the City Manager to execute a Fourth Amendment to Lease Agreement between the City of Columbia and First Citizens Bank and Trust Company, Inc. for the property known as 1225 Lady Street - *First reading approval was given on April 18, 2017.*

Upon a motion made by Mr. Davis and seconded by Mr. Duvall, Council voted unanimously to give first reading approval to Ordinance No.: 2017-017 - Authorizing the City Manager to execute a Fourth Amendment to Lease Agreement between the City of Columbia and First Citizens Bank and Trust Company, Inc. for the property known as 1225 Lady Street.

21. Ordinance No.: 2017-028 - Repealing encroachment ordinance 2004-100 to Kelly's Deli & Pub at 1001 Washington Street - *First reading approval was given on April 18, 2017.*

Upon a motion made by Mr. Duvall and seconded by Ms. Devine, Council voted unanimously to give first reading approval to Ordinance No.: 2017-028 - Repealing encroachment ordinance 2004-100 to Kelly's Deli & Pub at 1001 Washington Street.

22. Ordinance No.: 2017-031 - Granting an encroachment to The Aristocrat for use of the tree zone area of the 1000 block of Washington Street located between the sidewalk and curb adjacent to 1001 Washington Street for placement and maintenance of a concrete patio with brick border and three tables and twelve chairs for use by its patrons for outdoor dining during normal business hours of 4:00 p.m. until 2:00 a.m. Monday through Saturday - *First reading approval was given on April 18, 2017.*



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Upon a motion made by Mr. Davis and seconded by Ms. Devine, Council voted unanimously to give first reading approval to Ordinance No.: 2017-031 - Granting an encroachment to The Aristocrat for use of the tree zone area of the 1000 block of Washington Street located between the sidewalk and curb adjacent to 1001 Washington Street for placement and maintenance of a concrete patio with brick border and three tables and twelve chairs for use by its patrons for outdoor dining during normal business hours of 4:00 p.m. until 2:00 a.m. Monday through Saturday.

23. Ordinance No.: 2017-032 - Granting an encroachment to the University of South Carolina for the use of the right of way areas of the 1300 and 1400 blocks of Pickens Street for installation and maintenance of high density polyethylene (HDPE) conduit for the Korn Building adjacent to Richland County TMS # 11402-11-01, 11402-11-01-05, 11402-11-20A, 11402-11-19, 11402-11-18, 11402-11-21, 11402-11-16, 11402-11-14, 11402-11-13, 11402-11-11 and 11402-11-10 - *First reading approval was given on April 18, 2017.*

Upon a motion made by Ms. Devine and seconded by Mr. Davis, Council voted unanimously to give first reading approval to Ordinance No.: 2017-032 - Granting an encroachment to the University of South Carolina for the use of the right of way areas of the 1300 and 1400 blocks of Pickens Street for installation and maintenance of high density polyethylene (HDPE) conduit for the Korn Building adjacent to Richland County TMS # 11402-11-01, 11402-11-01-05, 11402-11-20A, 11402-11-19, 11402-11-18, 11402-11-21, 11402-11-16, 11402-11-14, 11402-11-13, 11402-11-11 and 11402-11-10.

STAFF REPORT

24. Beltline Property Development Concept - Ms. Tina Herbert, Executive Director of the Office of Business Opportunities and Mr. Randy Davis, Director of the Parks and Recreation Department

Mayor Benjamin said we've had some very exciting and ongoing discussions about a multi-faceted approach to addressing significant needs and desires of the City. We've been thinking about how to put some land owned by one of our development corporations to use. We challenged staff to develop a concept that would encompass a number of different possibilities and harness the exciting power of the entire community in a cooperative. With the closure of Piggly Wiggly just southeast of this property, we started spending quality time talking about a cooperatively owned grocery store. The parcel of land is on West Beltline Boulevard between Farrow Road and Two Notch Road near the railroad tracks.



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Councilor McDowell said we wanted to roll this out so that the public can conceptualize what this will look like from Beltline to Lester Drive. It will give us an opportunity to tweak some of that and to make the 17 acres a viable place.

Mr. Randy Davis, Director of the Parks and Recreation Department shared a preliminary concept for the Beltline Project consisting of a 13,000 sq. ft. food co-op facility; an urban farm; community garden; a 16-acre park with ball fields, green space and a playground; storage area with a stage; 2.3 acres of multiuse open space; a service road; and a total of 290 parking spaces. He noted that there is a buffer to the west of the park.

Ms. Tina Herbert, Executive Director of the Office of Business Opportunities reported that the Evergreen Cooperatives in Cleveland, Ohio put underemployed individuals to work and allowed them to earn an ownership stake with the company they worked for. Staff reviewed the cooperative model in 2012 and continued to research cooperatives over the years. She noted that cooperatives believe in people's capacity to improve themselves economically and socially through mutual help. She recalled that the West Beltline Boulevard Piggly Wiggly closed in July 2016 and we faced the reality that this area was having a difficult time recruiting corporate grocery stores. They were facing food insecurity, which is being without reliable access to a sufficient quantity of affordable, nutritious food. She reported that South Carolina has a food insecurity rate of 16.4% and Richland County has a rate of 18.3%. Within a one-mile radius of the property described by Mr. Davis, there are no grocery stores and the USDA has identified this area as being in close proximity to a food desert. She also reported that they visited the grand opening of the Renaissance Community Cooperative in Greensboro, North Carolina. This community had an 18-year food desert and they opened with more than 1,000 investors and the city invested \$250,000 into the project. A food cooperative is defined as a food distribution outlet organized as a cooperative with each member having one vote and it is oriented towards service rather than monetary profit. She reported that South Carolina has a food co-op law found in Title 33, Chapter 45. In South Carolina there is an Upstate Food Co-op and the Hub City Co-op. She described why a co-op is good for this area instead of a conventional grocery store. She presented the potential challenges with implementing a food co-op. She noted that in 2013, OBO set aside \$125,000 for the initiative. In January 2017 meetings were held with City Roots and potential committee members. She recognized the steering committee members and Chairperson Wanda Pearson. She reported that the City is soliciting quotes for a market feasibility study and will continue to identify potential funding organizations and the education of staff and the steering committee. She reported the total project costs for the development of the Friendly City Food Co-op was \$1.8 million. She presented the next steps to include finalizing the steering committee, attending the Governance Conference; touring co-ops; attending community meetings; and scheduling a kick-off membership drive.



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Ms. Wanda Pearson, Food Co-op Steering Committee Chairperson said we are excited about the prospect of bringing a co-op to Columbia; the timing is right and the community is ready.

Ms. Tina Herbert, Executive Director of the Office of Business Opportunities said we have a very unique opportunity to create a model that is designed to fill a food insecurity need combined with a consumer and worker co-op. We are trying to start up in two years. This will empower citizens while meeting a critical need in this community. We hope to gain efficiencies between the food co-op and the other developments.

Councilor Devine said this is only a portion of the plans for that corridor; our consultant is working on other plans; and we have a commercial kitchen that can tie in with the food co-op.

Ms. Tina Herbert, Executive Director of the Office of Business Opportunities said OBO submitted a CDBG application for the Façade Program for this area.

Mayor Benjamin said he is encouraged by the citizen engagement. He noted that the plan will add ways of egress and ingress for this community and lessen traffic on Lester Drive. He asked for direction on next steps; encouraged staff to continue with the citizen engagement; and continue to pull together the various funding streams. He said there are additional significant grant awards that will be announced soon.

RESOLUTIONS

25. Resolution No.: R-2017-037 - Creating the City of Columbia Food Policy Committee - *Approved*

Upon a motion made by Mr. Duvall and seconded by Mr. Davis, Council voted unanimously to approve Resolution No.: R-2017-037 - Creating the City of Columbia Food Policy Committee.

26. Resolution No.: R-2017-038 - Authorizing Condemnation for Easement Acquisition for Sanitary Sewer Upgrade for Greenlawn Drive Outfall to Hampton Forest, CIP Project#SS7258 along Property Identified as Richland County TMS#16310-01-07 and TMS#16311-02-53; CF#250-338 – *Approved*

Upon a motion made by Mr. Duvall and seconded by Ms. Devine, Council voted unanimously to approve Resolution No.: R-2017-038 - Authorizing Condemnation for Easement Acquisition for Sanitary Sewer Upgrade for Greenlawn Drive Outfall to Hampton Forest, CIP Project#SS7258 along Property Identified as Richland County TMS#16310-01-07 and TMS#16311-02-53; CF#250-338.



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27. Resolution No.: R-2017-041 - Release and Abandonment of City of Columbia Sewer Easements for CIP Project# SS7261 (Lake Katherine Sewer Line Capacity Enhancement Project) along 1618 Graeme Drive; Richland County TMS#13915-11-47; CF#250-378 - *Approved*

Mr. Joey Jaco, Director of Engineering explained that we abandon portions of sewer easements when we are obtaining the easement in another area. We are working to obtain easements in this area for the Lake Katherine Project.

Upon a motion made by Mr. Duvall and seconded by Mr. Davis, Council voted unanimously to approve Resolution No.: R-2017-041 - Release and Abandonment of City of Columbia Sewer Easements for CIP Project# SS7261 (Lake Katherine Sewer Line Capacity Enhancement Project) along 1618 Graeme Drive; Richland County TMS#13915-11-47; CF#250-378.

28. Resolution No.: R-2017-042 - Authorizing the City Manager to execute an Intergovernmental Agreement between Richland County and the City of Columbia for the Lake Katherine Sediment Removal Project - *Approved*

Upon a motion made by Mr. Duvall and seconded by Mr. Davis, Council voted unanimously to approve Resolution No.: R-2017-042 - Authorizing the City Manager to execute an Intergovernmental Agreement between Richland County and the City of Columbia for the Lake Katherine Sediment Removal Project.

29. Resolution No.: R-2017-043 Approving the honorary naming of the 2200 block of Barhamville Road between Chestnut Street and Gordon Street "Bishop Mr. Smith Way" - *Approved*

Councilor McDowell said he will take care of contacting the neighborhood regarding the honorary renaming of the street. He agreed that a policy is needed.

Councilor Devine cited her reservations with approving the resolution, because the practice of notifying the neighborhood was not upheld.

Councilor Davis agreed to vote for the resolution with reservations.

Mayor Benjamin asked Councilman McDowell to contact the neighborhood as quickly as possible and he asked to revisit the honorary naming policy.



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Upon a motion made by Mr. McDowell and seconded by Mr. Duvall, Council voted unanimously to approve Resolution No.: R-2017-043 Approving the honorary naming of the 2200 block of Barhamville Road between Chestnut Street and Gordon Street "Bishop Mr. Smith Way".

APPOINTMENTS

30. Council is asked to approve the appointment of nine (9) individuals to the Quiet Zone Advisory Committee.

Upon a motion made by Mayor Benjamin and seconded by Mr. Davis, Council voted unanimously to approve the appointment of Ms. Dana Giurgiutiu, Mr. John Culbreth, Mr. Michael Pordes, Mr. Bud Ferillo and Dr. John Stucker to the Quiet Zone Advisory Committee. Staff was directed to reach out to the rest of the City geographically for additional applicants.

CONSIDERATION OF MATTERS DISCUSSED DURING THE WORK SESSION

No items were considered at this time.

CITY COUNCIL COMMITTEE REPORTS / REFERRALS

Upon a motion made by Mayor Benjamin and seconded by Mr. Davis, Council voted unanimously to refer the review of a proposal for mixed-use / mixed income housing to the Economic and Community Development Committee.

APPEARANCE OF THE PUBLIC

Dr. Germon Miller, RICH Program Director read a statement that was included in a gift that was given to her by a young person. We have begun our second year at the Department of Juvenile Justice and we have formed mentorships with the young people there. She introduced Ms. Bajaj as an intern who currently attends the University of South Carolina.

Ms. Hansa Bajaj, RICH Program said she is a freshman at the University of South Carolina studying international business and management with a minor in Chinese. She said she is excited to be a part of the RICH Program and providing public relations assistance for the program.



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Mr. Cleward Washington, RICH Program member said he is a self-taught artist. He said Mama G has given him a great opportunity to showcase his artwork. He presented a stained glass rendering of the Gamecock in honor of the Women's Basketball Championship.

Ms. Ellen Fishburne-Triplett, Hyatt Park Keenan Terrace Neighborhood Association appeared before the members of Council to express concerns about Hyatt Park. She referred to it as an overlooked gem. She said the springs are still flowing, but you can't see them. We have been talking about renovations to that park since 2008 while other parks have been renovated. The park is active, but it is underutilized. She said that City staff is working to update a 2009 plan that wasn't implemented even though there was money available at that time. Now is the perfect time to make Hyatt Park a destination park once again. She asked Council to fully fund renovations at Hyatt Park in fiscal year 2017/2018.

Councilor Davis said there have been ongoing discussions with the neighborhood association. He acknowledged that some funding is available and there is a rendering. We are in range of making that a reality. He said the park should complement the work being done in that corridor.

Mr. Todd Zeigler, Hyatt Park Keenan Terrace Neighborhood Association read a letter into the record from Ms. Betsy Newman, the association's president.

Mayor Benjamin said we want a park for all people. There is a lot of activity at the park, but we want to see more. There is a real opportunity to invest in not only hardscape, but to unleash the natural value of that land. You will see the collective commitment of this Council to move forward posthaste.

Upon a motion made by Mr. Davis and seconded by Mr. Duvall, Council voted unanimously to adjourn the meeting at 8:30 p.m.

Respectfully submitted by:

Erika D. Moore, CMC
City Clerk



We Are Columbia

COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, MAY 2, 2017

The Columbia City Council met for a Work Session on Tuesday, May 2, 2017 at City Hall, 1737 Main Street, Columbia, South Carolina. The Honorable Mayor Stephen K. Benjamin called the meeting to order at 12:40 p.m. and the following members of Council were present: The Honorable Sam Davis, The Honorable Tameika Isaac Devine, The Honorable Howard E. Duvall, Jr., and The Honorable Daniel J. Rickenmann. The Honorable Edward H. McDowell, Jr. arrived at 12:41 p.m. 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 Tameika Isaac Devine offered the Invocation.

ADOPTION OF THE AGENDA

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

FISCAL YEAR 2017/2018 BUDGET WORKSHOP

1. Hospitality Tax Fund - Ms. Melisa Caughman, Budget and Program Management Director

Ms. Melisa Caughman, Budget and Program Management Director explained that the total proposed budget for fiscal year 2017/2018 is \$11,426,264, which is a 3% increase and reflects multi-year allocations in the amount of \$327,000. She explained that the committee allocation and line item agencies are included at current year funding amounts totaling \$4,805,757. She noted that some groups have requested an increase in funding. The request in the increase to the General Fund is \$700,000, which is mostly for maintenance and operation of the greenways.

Councilor Rickenmann said funding needs to be allocated for other greenways and reserves.

Ms. Melisa Caughman, Budget and Program Management Director continued to report that there is no change in the debt service amount. She said the hospitality tax budget is at \$2.6 million, which consisted of two bonds issuances for infrastructure and capital projects.



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Councilor Duvall proposed a tiered system for the disbursement of hospitality tax funding allowing Council to have a direct hand in allocating funds to continuing the efforts of substantial organizations. He presented a list of suggested organizations that would be funded by Council. He noted that the proposal is from John Whitehead. He suggested that the committees leave the larger groups for Council's final consideration.

Councilor Devine suggested that Council ponder on what was funded in the past and hold back a portion of the committee's allocation.

Councilor Duvall confirmed that the proposal is to hold back a portion of the committee's allocation.

Mayor Benjamin expressed concerns about the organizations being documented as line items.

Councilor Devine suggested labeling it as Council funded groups.

Councilor Rickenmann asked about the maximum funding for agencies.

Councilor Duvall said we can form a policy to determine the appropriate operations amount.

Councilor Rickenmann said we need to generate a balance for groups to be more self-sustaining; we need to reduce the amounts for current organizations and create more opportunities for other agencies to receive funding.

Councilor Davis asked which groups are depending solely on the allocated amount. He agreed that a process is needed for new organizations.

Councilor Devine said Council can allocate a certain amount and specify that it is for new ideas. She said it will be up to the committee to determine the appropriate amount for new organizations. She expressed concerns about the functionality for current groups if their allocated amount is reduced.

Councilor McDowell asked about the current application process for organizations.

Councilor Devine explained that the applications are reviewed by the committee; each group is interviewed within a four-day timeframe; and the committee deliberates each request.



COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, MAY 2, 2017

Councilor McDowell asked about final decisions being completed by the committee instead of Council.

Councilor Davis said Council accepts the recommendations from the committee. He said we need to consider the impact of allocating funding, because some organizations depend solely on the final allocations.

Mayor Benjamin said our hospitality tax brings a unique opportunity, because it's growing and it shows that we have a healthy economy. He said some of these conversations are historic and have developed from non-supporters of the arts. He said today's discussions are coming from strength and confidence of how we can be more strategic with our spending and how to be more supportive to legacy organizations that are driving our economy to include embracing newer opportunities for upcoming organizations. He said we are at a different place from the past; we have the right people on our team, and we have to make sure that we are embracing the committee's process for diversity. He said Council only made strategic changes to past recommendations, which shows that we have great confidence with the committee's overall recommendations. I believe we are at a point that we want to support the arts. I have some reservations of taking complete authority from the committee because things tend to change; however, we want to make sure that Council has some latitude to meet the needs.

Councilor Davis said not every new organization deserves funding; however, I believe this process would give a more fair opportunity.

Mayor Benjamin said the committee meets next week and some groups are depending on their money. I am not sure if time permits to make the changes before July 1, 2017. He suggested that funding be set aside from accommodations tax or hospitality tax for March Madness 2018.

Councilor Devine suggested bringing back the reserve fund.

Councilor Duvall further suggested that Council reserve \$300,000 to allocate after the committee's recommendations are received.

Councilor Rickenmann said organizations should not be submitting requests outside of the process and we should look at the entire organization when considering requests. He asked what is driving this need to separate the groups.

Councilor Devine said the groups don't always receive the funding they need to be successful; we have to take competition out of the process.



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Councilor McDowell suggested creating a contingency for funding.

Councilor Davis encouraged Council to reserve the right to fund certain projects above and beyond the committee's recommendations. He expressed concerns about being consistent with the final decision by not allowing on the spot requests for more money.

Mayor Benjamin said we have to articulate our priorities. He said we have a good process, but the committee needs more direction and understanding.

Councilor Devine suggested that Council take ownership of funding bigger groups like Black Expo and the State Fair. She said this will help with the appearance of them coming back to ask for more money, because it didn't get funded by the committee.

Mayor Benjamin suggested modifying the ordinance to expand the committee for more diversity to review the funding proposal for line items.

2. Final Decisions on the Storm Water Fund – Rate Scenarios

Mayor Benjamin asked about specific projects that are included in the \$93 million priority projects.

Ms. Teresa Wilson, City Manager said the projects referenced are in the top priority. She clarified that the problem in the Belvedere community is with Richland County.

Mayor Benjamin said it's imperative that we continue to engage Richland County, Lexington County, Forest Acres and everyone involved on the list to let them know that we are taking a comprehensive approach to the solution.

Mr. Joey Jaco, Engineering Director reported that \$40 million was added to the stormwater scenario. He stated that Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC would participate via teleconference.

Mayor Benjamin said the frequencies in the wet weather events are real. We are at a unique point in our City's history to bring a comprehensive citywide solution to stormwater management. He said we have the opportunity to bring first class stormwater infrastructure and suggested taking a look at green bonds to help with financing.



**COLUMBIA CITY COUNCIL MEETING MINUTES
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Councilor Duvall said scenario one will take a longer approach. He expressed concerns about the current Council terms not carrying over for the next five years. He said he will support scenarios three or four. He outlined the rate increase for each scenario that citizens will pay over five years.

Councilor Rickenmann asked if scenario one achieved the goal in five years.

Ms. Dana Higgins, City Engineer said additional manpower for maintenance is included in the \$93 million.

Ms. Teresa Wilson, City Manager said staff will look into a more pragmatic approach for each scenario.

Mayor Benjamin asked about a 50% increase of the \$93 million for fiscal 2017/2018.

Mr. Robert Chambers, Financial and Utility Management Consultant for Black and Veatch Management Consulting, LLC said this will put you in a better position, because you can start achieving your goals today. However, Council will have to make a decision every year for CIP projects versus having the outline approved for 5 years.

Councilor Davis asked if scenario three funding covered all the listed projects.

Mr. Joey Jaco, Engineering Director clarified that scenarios one, three or four will cover the proposed projects; scenario two has limited funding for specific projects.

Councilor Rickenmann said infrastructure is decaying every day. We need to focus on getting all of these projects completed as soon as possible.

Ms. Teresa Wilson, City Manager said we need clarity on how to make the bond issuances work. She asked if Council will be locked in if they proceed with scenario one.

Mr. David A. Jagt, P.E., Manager Black and Veatch Management Consulting, LLC said is scenario one is different from scenarios two, three and four, because it's a program that presents bond issuances and revenue increases.

Mayor Benjamin asked if one bond issuance will cover the plan.



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Mr. David A. Jagt, P.E., Manager Black and Veatch Management Consulting, LLC said the plan will be presented to the bond market; and it will show the City's purpose for funding for the proposed program.

There was a consensus of Council to endorse a one-time \$5.00 increase to the stormwater rate in 2018. Staff was directed to look at how to help communities deal with affordability issues and incentivizing those citizens who help meet our stormwater goals. Staff is to determine the amount of projects that can be completed with a \$5.00 increase.

3. Final Decisions on the Water & Sewer Fund
– *Rate Scenarios*

Mr. David A. Jagt, P.E., Manager Black and Veatch Management Consulting, LLC reviewed the history of revenue adjustments. He said the typical bill went from \$37.37 in 2008 to \$52.49 in 2017, which was a 3.8% average annual increase. He noted that the annual delay of increases resulted in larger increases being implemented. He reviewed the two financial plan scenarios, noting that the projected costs are the same, but scenario two eliminates the minimum allowance over three years. The customers will be impacted by the change in the rate structure under scenario two. The typical customer bill will increase by 5.6% in 2018; 13.5% in 2019; and 7.7% in 2020.

Councilor McDowell asked about the usage of water by senior citizens. He said they will be hit in a maximum way, but will use minimum services.

Mr. David A. Jagt, P.E., Manager Black and Veatch Management Consulting, LLC said the numbers doesn't identify customer classifications.

Councilor McDowell asked for a list of impacted customers.

Councilor Duvall expressed support for scenario one. He said it will be less of an impact.

Councilor Devine expressed the importance for staff educating citizens about the adjustment.



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4. General Fund - Ms. Melisa Caughman, Budget and Program Management Director
– *City Manager's Proposed Budget*

Mr. William "Skip" Holbrook, Columbia Police Chief reported that in 2014, the department had 347 officers. He said in 2015/2016, we lost 92 officers; however, we hired 95 officers. As of January 2017, the department lost 17 officers. We currently have 70 vacancies and 33 potential retirees.

Councilor Rickenmann said the annexation calculations don't reflect the reported numbers. As we move forward, the calculations have to reflect the Police and Fire Departments.

Mr. William "Skip" Holbrook, Columbia Police Chief said the numbers are off, because part of the annexed land wasn't developed.

Councilor Rickenmann encouraged staff to go through all the existing contracts. We have to make sure that departments are properly vetting the cost.

Mayor Benjamin said we need more officers and we have to figure out how to pay them competitively. He asked about the money carrying over from 2017 in the general fund for the Police Department in 2018.

Ms. Teresa Wilson, City Manager said the money is in the fund balance; it's not reoccurring.

Mr. Jeff Palen, Assistant City Manager of Finance explained that staff can only use vacancy money for projects once in a fiscal year.

Mr. William "Skip" Holbrook, Columbia Police Chief presented two options for retention and he outlined the current insurance premium for various police departments within the region.

Ms. Melisa Caughman, Budget and Program Management Director said healthcare is one of the largest big ticket items. She noted that the budget isn't in balance, but it will by May 16, 2017. She said the initial shortfall was \$7.9 million and we are now down to \$2.5 million. She noted out that adjustments were made to revenue projections and expenditures were reduced. She said the goal is to meet our obligations and address our immediate needs for basic services while meeting the Envision Columbia work plan initiatives. She continued to review the proposed general fund along with the new items funded in the general fund. She presented budget balancing options for revenues, transfers, existing and new fee proposals and state shared revenue.



We Are Columbia

COLUMBIA CITY COUNCIL MEETING MINUTES TUESDAY, MAY 2, 2017

EXECUTIVE SESSION

Upon a motion made by Mr. Duvall and seconded by Mr. Davis, Council voted unanimously to enter into Executive Session at 4:54 p.m. as amended to add Cumberland v. City of Columbia.

5. Receipt of legal advice related to matters covered by attorney-client privilege pursuant to §30-4-70(a)(2)
 - *Public Purpose Doctrine*
 - *Sidewalk Vending*
 - *Transfer of Roads*
 - *Hassell vs. City*
 - *Road Closure*
 - *Penny Tax Projects*

COUNCIL MEETING

The Columbia City Council conducted a meeting on Tuesday, May 2, 2017 at City Hall, 1737 Main Street, Columbia, South Carolina. The Honorable Mayor Stephen K. Benjamin called the meeting to order at 6:07 p.m. and the following members of Council were present: The Honorable Sam Davis, The Honorable Tameika Isaac Devine, The Honorable Howard E. Duvall, Jr., The Honorable Edward H. McDowell, Jr. and The Honorable Daniel J. Rickenmann. 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.

PLEDGE OF ALLEGIANCE

INVOCATION

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

PUBLIC INPUT RELATED TO AGENDA ITEMS

No one appeared at this time.



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING MINUTES
TUESDAY, MAY 2, 2017**

CONSENT AGENDA ITEMS 6 THROUGH 13

Upon a single motion made by Mr. Duvall and seconded by Ms. Devine, Council voted unanimously to approve the **Consent Agenda Items 6** through **10, 12** and **13**.

6. Council is asked to approve a Contract for Class A/B Uniforms, as requested by the Fire Department. Award to Wright Johnston Uniforms in the amount of \$70,824.24. This firm is located in Columbia, SC. *Funding Source: Fire Suppression – Uniforms and Clothing; 1012303-624100. The original budgeted amount is \$75,000.00. The initial contract shall be for a period of three (3) years beginning July 1, 2017 and terminating June 30, 2020. There will be an option to renew this contract for two additional one (1) year periods. The maximum term shall not exceed five years to terminate June 30, 2022. – Approved*
7. Council is asked to authorize Indefinite Delivery Contract negotiations for Wastewater Collection System Manhole Survey Services, as requested by the Utility Operations Department and the Engineering Department. Award to AECOM Technical Services, Inc., Vaughn & Melton Consulting Engineers, Inc., and Hydrostructures, P.A. in an amount not to exceed a cumulative budgeted amount of \$450,000.00 for fiscal year 2016/2017. We request Council's approval for the execution of the final contractual agreements, subsequent task orders, and option to extend services to the extent of the relevant fiscal year's Council approved budgeted amount, in a form to be approved by the City's Attorney's Office with final approval by the City Manager. *Funding Source: 5516205-SS7304-638305 (Sewer Maintenance). The intent of this project is to meet the requirements of the Sewer Mapping Program (SMP) which is a component of the Consent Decree under which the City is performing this work. – Approved*
8. Ordinance No.: 2017-017 - Authorizing the City Manager to execute a Fourth Amendment to Lease Agreement between the City of Columbia and First Citizens Bank and Trust Company, Inc. for the property known as 1225 Lady Street - *First reading approval was given on April 18, 2017. – Approved on second reading.*
9. Ordinance No.: 2017-028 - Repealing encroachment ordinance 2004-100 to Kelly's Deli & Pub at 1001 Washington Street - *First reading approval was given on April 18, 2017. – Approved on second reading.*



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING MINUTES
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10. Ordinance No.: 2017-029 - Granting a Franchise to Di Wangwright d/b/a Golden Palmetto, LLC for operation of a stationary sidewalk vending cart in the mid-block pad near 1333 Main Street - *First reading approval was given on April 18, 2017. – Approved on second reading.*
11. 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 *First reading approval was given on April 4, 2017. – Second reading was deferred on May 2, 2017.*
12. Ordinance No.: 2017-031 - Granting an encroachment to The Aristocrat for use of the tree zone area of the 1000 block of Washington Street located between the sidewalk and curb adjacent to 1001 Washington Street for placement and maintenance of a concrete patio with brick border and three tables and twelve chairs for use by its patrons for outdoor dining during normal business hours of 4:00 p.m. until 2:00 a.m. Monday through Saturday - *First reading approval was given on April 18, 2017. – Approved on second reading.*
13. Ordinance No.: 2017-032 - Granting an encroachment to the University of South Carolina for the use of the right of way areas of the 1300 and 1400 blocks of Pickens Street for installation and maintenance of high density polyethylene (HDPE) conduit for the Korn Building adjacent to Richland County TMS # 11402-11-01, 11402-11-01-05, 11402-11-20A, 11402-11-19, 11402-11-18, 11402-11-21, 11402-11-16, 11402-11-14, 11402-11-13, 11402-11-11 and 11402-11-10 - *First reading approval was given on April 18, 2017. – Approved on second reading.*



**COLUMBIA CITY COUNCIL MEETING MINUTES
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PRESENTATIONS

14. Recognition of Dr. Willie Harriford, Civil Rights Archivist - The Honorable Mayor Stephen K. Benjamin

Mayor Benjamin said it's a privilege and honor to recognize one of his favorite professors, Dr. Willie "Dean" Harriford. Mr. Willie Harriford is a retired director of the African American Studies Program at the University of South Carolina and he started the Alpha Phi Alpha chapter at the University of South Carolina in 1973. Mr. Harriford is recognized for his exceptional skills in archiving and documenting the pursuit of equality for future generations of scholars. Mr. Harriford has been an excellent mentor and advisor to students with interest in African American Studies in Civil Rights.

Dr. Willie Harriford, Civil Rights Archivist said he is thankful to be here with his family members. He said this is one of the best days of his life. Mayor Benjamin and the members of City Council proclaimed May 2, 2017 as Willie Harriford Day in the City of Columbia. They presented Dr. Harriford with a Key to the City of Columbia.

15. Peace Officers Memorial Day - The Honorable Mayor Stephen K. Benjamin

Mayor Benjamin said this is a wonderful observation to honor the contributions of local, state and federal peace officers who gave their lives in the line of duty.

Mayor Benjamin and the members of Council proclaimed May 15, 2017 as Peace Officers Memorial Day in the City of Columbia.

16. Columbia Women's Day - The Honorable Tameika Isaac Devine, Ms. Mital Lyons-Warren, Ms. Ida Thompson, Richland Library Board of Trustees and Ms. Kathy Riley, Executive Director of the Women's Shelter

Councilor Devine introduced Ms. Mital Lyons Warren, a Master of Social Work Student at the University of South Carolina. She said Ms. Warren was her 2017 intern and she will graduate in May 2017. She stated that Ms. Warren will leave a legacy in the City of Columbia for establishing the Inaugural Columbia Women's Day for recognizing extraordinary women whose remarkable work has gone unnoticed in the community.



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING MINUTES
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Ms. Mital Lyons Warren, a Master of Social Work Student at the University of South Carolina said this project blossomed out of frustration of noticing the lack of visibility of women's essential contributions in their community. She said that the twenty-four contributors will foster young girls and women to help them flourish in their communities.

Ms. Ida Thompson, Richland Library Board of Trustees said we are proud to be a part of this first annual Columbia Women's Day initiative. She said women represent the fabric of our City as educators, entrepreneurs and professionals that come from all walks of life. She said women represent the commitment and diversity for making Columbia a responsive and progressive city.

Ms. Kathy Riley, Executive Director of the Women's Shelter thanked the members of Council for the proclamation. She said this proclamation recognize women's passion and the homeless women served for over 40 years at the Women's Shelter.

Councilor Devine said there will be a reception to recognize the selected twenty-four women on May 11, 2017. On May 12, 2017, their bios will be displayed via social media.

Mayor Benjamin and the members of Council proclaimed May 12, 2017 as Columbia Women's Day in the City of Columbia.

17. What's Next Midlands - Ms. Laura Ros, Project Manager for EngenuitySC

Ms. Meghan Hickman, Executive Director of EngenuitySC thanked the members of Council for their continued support. She said EngenuitySC exists because great leaders like you helped make this region a more prosperous and competitive city.

Ms. Laura Ros, Project Manager for EngenuitySC said the What's Next Midlands initiative is an idea hub that inspires community action. The goal is to improve livability in the Midlands by encouraging citizens to submit their ideas in a way that is brought to life. She highlighted various projects that have been developed in the City.

18. National Preservation Month Proclamation - The Honorable Stephen K. Benjamin

Mayor Benjamin said we can only be this great world city if we treasure and value historic property. It's an honor to recognize historic preservation as an effective tool for economic development, tourism promotions, maintaining community character and revitalization.



We Are Columbia

**COLUMBIA CITY COUNCIL MEETING MINUTES
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Ms. Amy Moore, Preservation Specialist for Planning and Development said the Planning Department gives an annual award to an individual or group who has played a vital role in preserving the City's architectural heritage. The award is called Mabel Payne, who was a City employee who started the preservation movement during the 1960s. She recognized Mrs. Gertrude Seibels as the 2017 Mabel Payne Award recipient. Mrs. Seibels served on the Design/Development Review Commission as the architectural historian and she was a member of the State Board of Review for the National Register for Historic Places. She has maintained a standard of excellence and has contributed to better preservation in the City of Columbia.

Mayor Benjamin and the members of Council proclaimed May 17, 2017 as National Preservation Month in the City of Columbia.

19. Small Business Week Proclamation - Ms. Tina Herbert, Executive Director of Office of Business Opportunities

Ms. Tina Herbert, Executive Director of Office of Business Opportunities said it's our time and opportunity to show small businesses that they are the backbone of our economy. She announced that Mayor Benjamin received the National U.S. Small Business Administration's 2017 Phoenix Award for Outstanding Contributions to Disaster Recovery by a Public Official. She presented highlights from the 5th Annual Small Business Week Conference.

Mayor Benjamin and the members of Council proclaimed May 1-5, 2017 as Small Business Week in the City of Columbia.

20. Business Spotlight Program Honoree - Mr. Angelo McBride, Office of Business Opportunities Administrator

Mr. Angelo McBride, Office of Business Opportunities Administrator introduced Mr. Richard P. Balser, Founder / Owner of Initially Yours, LLC as the Fourth Quarter Business Spotlight Honoree. He said Initially Yours, LLC is a generational business known for demonstrating community contributions through sizable donations. He presented a video to highlight Initially Yours, LLC.

Ms. Susan McPherson, Director of Public Policy & Military Affairs for the Chamber of Commerce thanked Mr. Balser for his service to the community. She offered him a one year membership to the Chamber of Commerce.



**COLUMBIA CITY COUNCIL MEETING MINUTES
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Mr. Richard P. Balser, Founder / Owner of Initially Yours, LLC thanked the members of Council for recognizing 35 years of service in the City of Columbia.

Mayor Benjamin and the members of Council proclaimed Initially Yours, LLC as the fourth quarter 2017 Business Spotlight Program Honoree.

21. Midlands Gives Giving Day Proclamation - The Honorable Tameika Isaac Devine

Councilor Devine noted that Midlands Gives Giving Day is a 24-hour charitable service. She challenged citizens to participate by giving to charities in the community to help meet the \$2 million goal.

Mayor Benjamin and the members of Council proclaimed May 2, 2017 as Midlands Gives Giving Day in the City of Columbia.

PUBLIC HEARING

22. Community Development Fiscal Year 2017/2018 Annual Action Plan - Mr. Tige Watts, Chairperson of the Citizens Advisory Committee

Ms. Gloria Saeed, Community Development Director said the action plan process is near its life expectancy for fiscal year 2017/2018. She noted that a public forum was held on March 23, 2017 and a public hearing was held on April 13, 2017 for citizen comments on the draft Action Plan.

Mr. Tige Watts, Citizens Advisory Committee Chair said this action plan represents the third year of the City's Consolidated Plan and it signifies the City's application for U.S. Department of Housing and Urban Development (HUD) entitlement grants for proposed programs and projects funded for the 2017/2018 fiscal year. He pointed out that there are three (3) HUD entitlement grants that are covered in the Action Plan: Community Development Block Grant (CDBG); HOME Investment Partnership Program; and Housing Opportunities for Persons with AIDS (HOPWA). He said this plan specifically addresses how Columbia intends to use CDBG, HOME and HOPWA funds toward furthering HUD's statutory goals of decent housing, suitable living environments and expanded economic opportunities.

Council opened the Public Hearing at 7:08 p.m.



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Ms. Regina Williams, President of the Booker Washington Heights Neighborhood thanked the members of Council and City staff for being very responsive. She clarified that was invited to be a part of the steering committee for the co-op, but could not attend the first meeting. She has since participated in the meetings. She read a written statement into the record requesting that brick homes be constructed in their neighborhood going forward and that \$50,000 remain intact for this project. She requested funding for 2017/2018 for specific purposes. She expressed concerns about gang activity and their neighborhood boundaries.

Council closed the Public Hearing at 7:16 p.m.

Upon a motion made by Mr. Rickenmann and seconded by Mr. McDowell, Council voted unanimously to approve the Community Development Fiscal Year 2017/2018 Annual Action Plan. Mr. Davis was not present for the vote.

ORDINANCES - FIRST READING

23. Ordinance No.: 2017-022 - Authorizing the City Manager to execute a Sixth 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 – *Approved on first reading.*

Upon a motion made by Mr. McDowell and seconded by Mr. Duvall, Council voted unanimously to give first reading approval to Ordinance No.: 2017-022 - Authorizing the City Manager to execute a Sixth 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.

RESOLUTIONS

24. Resolution No.: R-2017-017 - Certification of Site for Abandoned Buildings Credits (520 Greene Street) – *Approved*

Upon a motion made by Mr. Rickenmann and seconded by Ms. Devine, Council voted unanimously to approve Resolution No.: R-2017-017 - Certification of Site for Abandoned Buildings Credits (520 Greene Street).



We Are Columbia

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25. Resolution No.: R-2017-045 - Authorizing and Ratifying the honorary naming of the 600, 700 and 800 blocks of Lincoln Street "Dawn Staley Way" – *Approved*

Upon a motion made by Mr. McDowell and seconded by Mr. Rickenmann, Council voted unanimously to approve Resolution No.: R-2017-045 - Authorizing and Ratifying the honorary naming of the 600, 700 and 800 blocks of Lincoln Street "Dawn Staley Way".

OTHER MATTERS

26. Policy for Renaming Streets and Facilities - Mr. S. Allison Baker, Senior Assistant City Manager

The proposed policy for renaming streets and facilities was referred to the Administrative Policy Committee.

CONSIDERATION OF MATTERS DISCUSSED DURING THE WORK SESSION

No matters were voted on at this time.

CITY COUNCIL COMMITTEE REPORTS / REFERRALS

No reports or referrals were made at this time.

APPEARANCE OF THE PUBLIC

No one appeared at this time.

Upon a motion made by Mr. McDowell and seconded by Mr. Rickenmann, Council voted unanimously to adjourn the meeting at 7:21 p.m.

Respectfully submitted by:

Erika D. Moore, CMC
City Clerk



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to approve Contract Amendment #1 for the Automated Meter Reading and Automated Meter Infrastructure Feasibility Study, as requested by the Engineering Department. Award to CH2M Hill Engineers, Inc. in the amount of \$160,000.00. This firm is located in Englewood, CO.

FINANCIAL IMPACT: Funding Source: 5529999-658650 (WM435401. No sub-consultants are included for this amendment.

CLEAN WATER 2020?: No

STRATEGIC GOALS: Provide high quality municipal services

This Amendment will assist the City in documenting the current state of its Meter to Cash (M2C) cycle, identifying gaps in the processes and data management, and implementing recommendations aligned with industry best practice to mitigate current billing issues and improve customer relations.

ATTACHMENTS:

- **#a:** CH2M.2017.AMR.AMI.Project.Mgmt.Meter.2.Cash.P160225.CA1 (PDF)
- **#b:** CH2M.2017.AMR.AMI.Project.Mgmt.Meter.2.Cash.P160225.CA1.ExhibitA (PDF)
- **#c:** CH2M.2017.AMR.AMI.ProjectmMgmt.Meter.2.Cash.P160225.CA1.ExhibitB (PDF)

Contract for Professional Services For
Automated Meter Reading and Automated Meter Infrastructure Feasibility Study, Project
Management, and Related Support Services

CH2M Hill Engineers, Inc. and City of Columbia, SC

Contract Amendment # 1

May 7, 2017

Description of Change: Request change in Contract for Professional Services between the City of Columbia (City) and CH2M Hill Engineers, Inc. (Engineer) dated August 15, 2016 (Agreement) to assist the City in documenting the current state of its Meter to Cash (M2C) cycle, identifying gaps in the processes and data management, and implementing recommendations aligned with industry best practice to mitigate current billing issues and improve customer relations as more fully described in Exhibit A herein. Exhibit B recognizes that no sub consultants are included for this Amendment as the work is described as very specialized.

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

Proposed Change and Basis for Payment:

Original Contract Price:	\$ 1,980,300.00 (which includes contingency in the amount of \$228,154.00)
Previous Change Orders:	-0-
This Change (addition/deletion):	\$ 160,000.00
Revised Contract Price:	\$ 2,140,300.00

Additional funds are to be provided in the following manner: 5529999-658650 (WM435401)

This Change is Acceptable:

By: Christy Thomas CH2M Hill Engineers, Inc.

Title: Geographic Manager - South Atlantic

Recommended for Approval: Sandra Wright Director of Procurement and Contracts

Recommended for Approval: [Signature] Director of Engineering

Approval of Change: _____ City Manager

Date of Approval: _____

CH2M.2017.AMR.AMR.Project.Mgmt.Meter.2.Cash.P160225.CA1.ssi.doc

APPROVED AS TO FORM

[Signature]
Legal Department, City of Columbia, SC



Meter to Cash (M2C) Cycle Assessment and Recommendations, Amendment #1 to PO# P160225

This Scope of Services will serve as Amendment #1 to the City of Columbia PO# P160225, Issued to CH2M on August 24, 2016 and the Contract for Professional Services that was executed on August 23, 2016.

Background:

A high performing meter to cash (M2C) cycle requires well-architected technologies and integrative work processes so that both customer service and field staff have easy access to the information and resources they need to execute their responsibilities efficiently and effectively across multiple functions.

In an effort to improve their service to their ratepayers, the City of Columbia (City) is looking for assistance in documenting the current state of its M2C cycle, identifying gaps in the processes and data management, and implementing recommendations aligned with industry best practice to mitigate current billing issues and improve customer relations. Speed of implementation will be important for the City to quickly effect change and improve accuracy, responsiveness and overall customer service from a billing perspective. In this effort, the City is specifically seeking the following deliverables.

1. Current-state documentation (process maps and descriptive narrative) of the as-is M2C business practices, including: new installations; meter reads; meter re-reads; adjustments; billing; and other identified account management functions.
2. Recommended improvements to business practices to be deployed in the interim or transitional period, prior to AMI implementation. These improvements would bridge the gaps between existing practices and future practices related to the new AMI system.
3. Future-state process maps and descriptive narratives that incorporate recommended improvements, industry best practices, and AMI process steps into the current business practices.

Scope of Work:

Task 1: Review existing work product

To streamline the process and eliminate redundant analysis, CH2M will review and ground truth the results and recommendations from the recent meter audit performed by URM. CH2M will collect any relevant data from the City related to the M2C process and the URM audit and then CH2M will perform a desktop review of this data. After the initial desktop review, CH2M will perform an analysis and deeper dive on data specifically related to billing complaints to assist with the ranking of processes outlined in Task 2. Also included in Task 1 is time to meet with the public relations department to initiate the AMI program branding and develop talking points for the City.

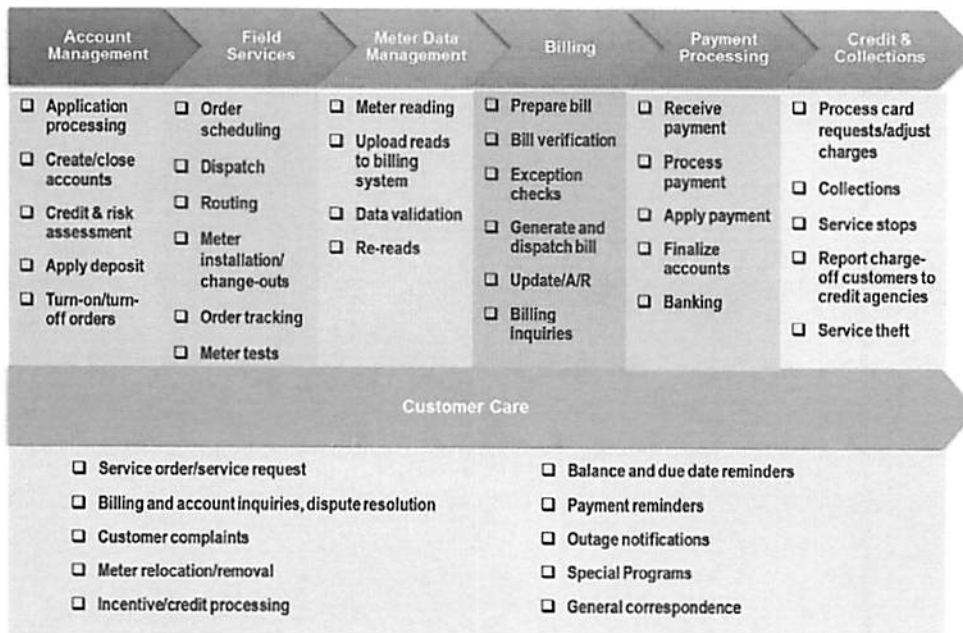
- **Task 1 Assumptions:** Prior work will be provided electronically and reviewed remotely. All data related to URM audit will be transmitted electronically to CH2M. Meeting with public relations staff will be completed by two CH2M staff, during one trip, with a maximum of 2 full day's onsite.
- **Task 1 Deliverable:** Valid and relevant findings from this data review will be assimilated into subsequent tasks.

Task 2: Identify and rank processes to be analyzed

CH2M will perform a cross-functional assessment to delineate and rank processes within the overall M2C cycle, identifying those that could provide are of primary concern and/or importance to the City's performance.

The CH2M team will first meet with leadership to list the City's meter-to-cash processes; typically, these meetings will include the processes shown in Figure 1, although they will not always be functionally structured exactly as shown. As part of Task 2, the team will validate that these are the right activities to include in the assessment, adding or eliminating activities as needed. At this time, we will also determine the performance objectives to be realized in the process improvement project (e.g., increased customer satisfaction; billing accuracy; cash flow; process efficiency). We will then meet with each of the process owners to discuss their perceptions about current performance against those objectives.

Figure 1 – Traditional Processes in the Meter-to-Cash Value Chain



NOTE: The advent of advanced metering will significantly change the traditional value chain for meter-to-cash. Several processes like field services will be automated. Analytics capabilities required to manage the process will increase.

Following these discussions with process owners, the CH2M team will rank the activities into three tiers, by their impact on performance.

Tier 1 will include those procedures that will produce "benefits today" and represent the immediate opportunities for improvement in target performance areas, including those that contribute most to

the pressing issues with high-bills and active customer complaints. This is expected to include 4 or 5 procedures.

Tier 2 will include those procedures where there are opportunities for improvement, but may not be critical issues to be addressed immediately. This is expected to include 8-10 procedures.

Tier 3 will include those procedures that will undergo material changes as part of the AMI implementation and need to be mapped for change management purposes. These procedures will help the City take a stepwise approach to implementing change so that they are well positioned to benefit from AMI. This is expected to include 10-15 procedures.

Note: Not all procedures in the M2C cycle will require updates or changes, so the total number of procedures may not match the full M2C list.

- **Task 2 Assumptions:** The process owner interviews will be completed by two CH2M staff, during one trip, with a maximum of 3 full day's onsite.
- **Task 2 Deliverable:** CH2M will prepare a brief memo that identifies the key processes within the M2C cycle and the results of the ranking processes. The City will provide one consolidated set of comments on the review of the report. The comments will be addressed in a final version for submittal.

Task 3: Process map up to 4 Tier 1 processes

Upon approval of the ranking in Task 2 by the City, and confirmation of the schedule for each of the tiers to be completed, CH2M will begin exploring each of the procedures in more depth. This review will take place with process staff onsite.

CH2M approaches Business Process Mapping as a method that incorporates validation within the process. The goal is to identify opportunities for improving processes so that the steps taken within normal operations are only those that add value. The approach includes asking questions, as shown in Figure 2, to stimulate thought and discussion among members of the team.

Figure 2: Process Improvement Question Matrix

Inquiry	Purpose	Means	Place	Sequence	Person
Current	What is done?	How is it done?	Where is it done?	When is it done?	Who does it?
Reason	Why is it done?	Why is it done that way?	Why is it done there?	Why is it done then?	Why is it done by that person?
Alternatives	Can it be eliminated?	How else could it be done?	Where else could it be done?	When else could it be done?	Who else could it be done by?
Selection	Should it be eliminated?	How should it be done?	Where should it be done?	When should it be done?	Who should it be done by?
Means of Improvement	Eliminate	Simplify	Combine or change		

CH2M will facilitate the discussions to define business process maps, document the changes needed to enable benefits of AMI (when appropriate), and identify "swim-lanes"—a methodology for showing the inter-relationships between departments involved in any one process. The mapping teams will document the entire business process, from beginning to end, using a standard set of pre-defined

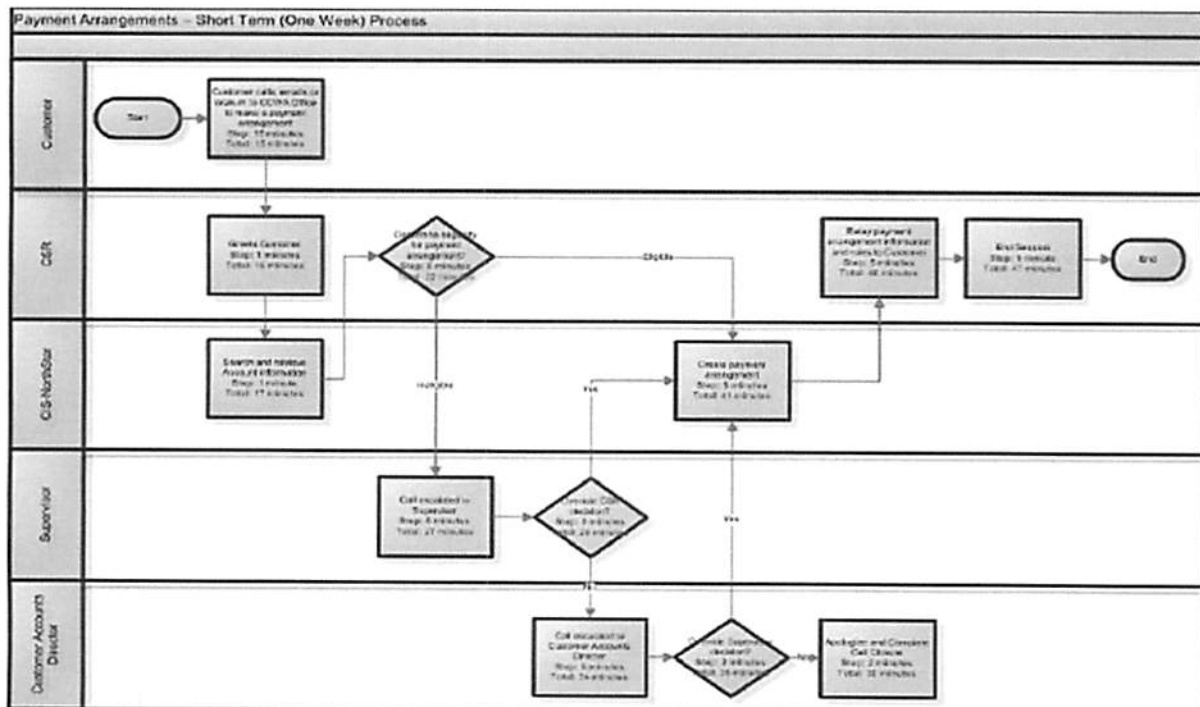
shapes. Figure 3 provides an example of a completed business process map. In this example, interactions between different departments are clearly shown within the business process map as the movement of arrows across swim-lanes.

The processing mapping exercise is specifically designed to identify points in any particular work process which, when appropriately modified, can increase value, lessen cycle time, increase customer service, and otherwise improve efficiency, quality, and performance within a work process.

CH2M will draft a narrative and current state process map for each of the procedures identified. Once the procedure has been documented and reviewed with City Staff, CH2M will prepare a series of recommendations with possible impacts identified on the current state. Industry best practices as well as customized recommendations for City specific requirements will be included. CH2M will meet with City staff to confirm the desired process improvements prior to drafting the future state process map.

- **Task 3 Assumption:** The City will provide a series of due dates for each of the tiers, so CH2M can focus on a manageable set of procedures during each phase. The process owner interviews will be completed by two CH2M staff, during one trip, expected to be a maximum of 4 full day's onsite.
- **Task 3 Deliverable:** CH2M will provide a draft report summarizing the current state of up to 4 processes, the identified recommendations, and a future state process. The City will provide one set of consolidated comments on the draft report which will be addressed in a final version for submittal.

Figure 3 – Example Process Map from a Water Utility Customer Service Operation



Additional Services

Task 4: Process map up to 8 Tier 2 processes

Upon approval from the City of Columbia, CH2M will use the same scope of work as described in Task 3 to develop process maps for up to 8 Tier 2 processes.

- **Task 4 Assumption:** The City will provide a series of due dates for Tier 2 processes, so CH2M can focus on a manageable set of procedures during each phase. The process owner interviews will be completed by two CH2M staff, during two trips, expected to be a maximum of 4 full day's onsite for each trip
- **Task 4 Deliverable:** CH2M will provide a draft report summarizing the current state of up to 8 processes, the identified recommendations, and a future state process. The City will provide one set of consolidated comments on the draft report which will be addressed in a final version for submittal.

Task 5: Process map up to 4 Tier 3 processes

Upon approval from the City of Columbia, CH2M will use the same scope of work as described in Task 3 to develop process maps for up to 8 Tier 3 processes.

- **Task 5 Assumption:** The City will provide a series of due dates for Tier 3 processes, so CH2M can focus on a manageable set of procedures during each phase. The process owner interviews will be completed by two CH2M staff, during one trip, expected to be a maximum of 4 full day's onsite.
- **Task 5 Deliverable:** CH2M will provide a draft report summarizing the current state of up to 4 processes, the identified recommendations, and a future state process. The City will provide one set of consolidated comments on the draft report which will be addressed in a final version for submittal.

COMPENSATION and SCHEDULE

Compensation for the Scope of Services presented in this proposal shall be on a time and expense basis with a not-to-exceed fee of \$160,000 for Tasks 1-3. Additional Services for Tasks 4 & 5 will not be performed until authorized by the City of Columbia. Table 1 below provides the project cost breakdown for the project. Labor rates will be based on the Hourly Rate Schedule in the City of Columbia PO# P160225, Issued on August 24, 2016.

Table 1
 Project Cost Breakdown

Tasks	Labor Cost	Expenses	Cost
Task 1 – Review of Previous Work and Data Analysis	\$30,000	\$5,000	\$35,000
Task 2 – Top Level Ranking of M2C Processes	\$55,000	\$8,000	\$63,000
Task 3 – Process Mapping for Tier 1 Processes (up to 4 Processes)	\$57,000	\$5,000	\$62,000
Totals	\$142,000	\$18,000	\$160,000

Additional Services if Authorized by City of Columbia

Task 4 – Process Mapping for Tier 2 Processes (up to 8 Processes)	\$113,000	\$8,000	\$121,000
Task 5 – Process Mapping for Tier 3 Processes (up to 4 Processes)	\$56,000	\$4,000	\$60,000
Totals	\$169,000	\$12,000	\$181,000

Schedule

The services provided in this scope of services shall be performed from the effective date of the Notice to Proceed (NTP) according to the timeline in Table 2.

Table 2
Schedule

Tasks	Activity Completion	Task Duration
Task 1 – Review of Previous Work and Data Analysis		3 weeks
Task 2 – Top Level Ranking of M2C Processes		5 weeks
Task 3 – Process Mapping for Tier 1 Processes (4 Processes)		4 weeks
Task 4 – Process Mapping for Tier 2 Processes (8 Processes)		8 weeks
Task 5 – Process Mapping for Tier 3 Processes (4 Processes)		4 weeks

Business Information Record for Subconsultants

The Bidder shall list all subcontractors and vendors, who will be providing subcontracting services, furnishing materials, etc. for this project. The list shall be submitted in the format provided below. Any proposed changes from the list shall be submitted in writing to the Owner prior to initiation of any action, with the reason for proposed changes.

Project: AMR/AMI Feasibility Study, Project Management, and Related Support Services

MUST BE TYPED AND REFLECT ONLY THOSE PROVIDING A SERVICE "NO LINE STRIKE THROUGH"

Business Name (as shown in SAM.gov) / Address / DUNS # & CAGE #	Contact Name & Telephone	Services and/or Materials Provided	Cost of Services and/or Material (\$ Value)	Percentage of Total Contract	MBE, WBE, SBE, DBE, LBE (indicate all that apply)	Is your Business CDBE Approved? Yes or No
None				%		
				%		
				%		
				%		

TOTAL: \$ 0.00

I certify this information is true, correct, complete and active.

Business Name: CH2M Hill, Engineers, Inc.

Representative Name / Title: _____

Signature: _____



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to approve the Purchase of a Kut-Kwick Super-Slope Mower, as requested by the Water Works Division. Award to Kut-Kwick Corporation, as a sole source in the amount of \$67,340.00. This vendor is located in Brunswick, GA.

FINANCIAL IMPACT: Funding Source: Utilities Columbia Canal Water Treatment Plant: Auto, Trucks, Heavy Equipment Capital; 5516206- 658500 (\$33,670.00) and 5516207- 658500 (\$33,670.00). The original budgeted amount is \$67,340.00.

ORIGINAL BUDGET: 67,340.00

CLEAN WATER 2020?: No

STRATEGIC GOALS: Foster a healthy quality of life

We respectfully request approval for Kut-Kwick Corporation, in an amount of \$67,340.00.

Kut-Kwick Coproration., is located in Brunswick, GA 31521.

Sec 1.16 of Appendix G, Finance Department, Procurement Regulation authorizes to Sole Source procurement of goods where there is only a single supplier (1) where the compatibility of equipment, accessories, or replacement parts is paramount.

ATTACHMENTS:

- **#a:** Kut Kwick quote (PDF)
- **#b:** Kut Kwick Sole source justification (PDF)

NOTICE: ALL PRICES AND
SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT PRIOR NOTICE

Kut Kwick

KUT KWICK CORPORATION

Post Office Box 984, Brunswick, GA 31521-0984

Telephone 800-248-5945

E-Mail: mowers@kutkwick.com

Web site: www.kutkwick.com

FACTORY PRICE LIST EFFECTIVE January 1, 2017

SuperSlopeMaster SSM SERIES

STANDARD SPECIFICATIONS:

Mower: Slope cutting to 40 degrees, riding, 72" cut, rear discharge, outfront rotary, 38 HP water-cooled diesel, speed to 8 mph, skid steered through twin, closed loop hydraulic drive systems, independently powering 26" x 12"-12" dual drive wheels on each side at the rear. 19" x 6" puncture proof casters support the cutter deck from the front. For safety, the operator is seated on a tilting seat located at the rear extremity of the machine. The cutter deck has 1 1/2" to 6 1/2" of height adjustment, the cutter assembly is decked with 1/4" thick steel; the deck supports the chassis from the front while pivoting to the sides to follow the contour of the turf. Standard with Roll Bar and retractable seat belt.

<u>MODEL NUMBER</u>	<u>WIDTH OF CUT</u>	<u>CUTTER TYPE</u>	<u>H.P. ENGINE</u>	<u>TYPE OF FUEL</u>	<u>FACTORY BASE PRICE FOB BRUNSWICK, GA</u>
SSM38-72D	72"	Rotary	38	DIESEL	\$ 64,999.00

OPTIONS AND ACCESSORIES: are listed below. They are priced to be installed as an addition to or a substitution for basic equipment at the time of original manufacture. Add the price indicated for the elected option or accessory to the base price.

DESCRIPTION

ADD-ON

HIGH LIFT BLADES - 3/8" thick	No Charge
MEDIUM LIFT BLADES - 3/8" thick	No Charge
CANOPY - Factory installation at time of manufacture	\$ 863.00
LIGHT KIT - Factory installation at time of manufacture	\$ 614.00
ROTARY BEACON - In lieu of flashing light included in light kit above - Factory installation at time of manufacture	\$ 147.00
DELUXE ENGINE GAUGE PACKAGE - Includes oil pressure, volt meter, water temperature, hour meter - Factory installation at time of manufacture	\$ 478.00

CRATING: A crating charge of \$700.00 net will apply when required for shipping (overseas) or when requested by customer.

We Are Columbia

REQUESTED BY: Amanda Jackson *Amanda Jackson*
PHONE NUMBER: 803-401-8844

Budget Office Use
Date Rcvd: _____
Date Entered: _____
Batch: _____
Posted by: _____

TRANSFER TO			
ACCOUNT NUMBER	OBJECT CODE	OBJECT CODE DESCRIPTION	AMOUNT
5516206	658500	AUTOS & TRUCKS	\$5,400
5516207	658500	AUTOS & TRUCKS	\$13,000
TOTAL			\$18,400

TO PURCHASE A KUT-KWIK SLOPE MOWER FOR CCWP AND LMWP

Department Head - Required

12

DATE 3/27/17

**Budget Director -
Required**

DATE _____

TRANSFER FROM			
ACCOUNT NUMBER	OBJECT CODE	OBJECT CODE DESCRIPTION	AMOUNT
5516207	858300	MACHINERY & OTHER HEAVY	\$18,400
TOTAL			\$18,400

DATE _____

FOR BUDGET OFFICE USE ONLY -

RRB404

Budget Transfer from

~~658300~~ $\Rightarrow$ 658500 (\$18,400.00)

5516206 5516207

\$33670 / \$33,670

658500

1. NAME OF THE PARTY: _____

2. ADDRESS: _____

3. CITY: _____

4. STATE: _____

5. ZIP: _____

6. PHONE: _____

7. FAX: _____

8. E-MAIL: _____

9. WEBSITE: _____

10. OTHER: _____

11. DATE OF BIRTH: _____

12. DATE OF DEATH: _____

13. DATE OF BURIAL: _____

14. DATE OF CREMATION: _____

15. DATE OF INTERMENT: _____

16. DATE OF REINTERMENT: _____

17. DATE OF REINTERMENT: _____

18. DATE OF REINTERMENT: _____

19. DATE OF REINTERMENT: _____

20. DATE OF REINTERMENT: _____

21. DATE OF REINTERMENT: _____

22. DATE OF REINTERMENT: _____

23. DATE OF REINTERMENT: _____

24. DATE OF REINTERMENT: _____

25. DATE OF REINTERMENT: _____

26. DATE OF REINTERMENT: _____

27. DATE OF REINTERMENT: _____

28. DATE OF REINTERMENT: _____

29. DATE OF REINTERMENT: _____

30. DATE OF REINTERMENT: _____

R182421

Kut Kwick Corporation

Heavy Duty Commercial Mowers
Website: www.kutkwick.com

P.O. Box 984
Brunswick, GA 31521

05/22/2017

To: Amanda at The City of Columbus.

RE: Sole Source

Kut Kwick Corporation, located in Brunswick, Georgia, is the sole source provider / manufacturer for all Kut Kwick commercial mowing machines and OEM replacement parts. The majority of the parts for these mowers are "Non-Commodity" items and are unique to the Kut Kwick mowers. Failure to use Kut Kwick manufactured or specified parts can result in the reduction in machine performance, possible damage to the machines, and in some cases voiding of the warranty.

Purchase orders and quote requests may be faxed, called-in or e-mailed to Kut Kwick Corporation to the attention of: Parts Department. Warranties or Service calls will be directed to the Service Department.

Phone: 1-912-265-1630
Fax: 1-912-265-6774
E-Mail: parts@kutkwick.com

Sincerely,



Nancy Cawley
Office Manager



Phone (912) 265-1630 (800) 248-5945 E Mail: mowers@kutkwick.com FAX (912) 265-6774

Requisition #R182421

JUSTIFICATION FOR
SOLE SOURCE PROCUREMENT

Based upon the following determination, the proposed procurement action described below is being procured pursuant to the authority of Section 1.16 of the City of Columbia, S.C. Procurement Regulation.

This Department proposes to procure for the Water Works Division,

(1)

A KUT-KWICK SUPER-SLOPE MOWER, AS REPLACEMENT FOR
ASSET#UELMOO/MOO1/14867 (KUT-KWICK SUPER-SLOPE MOWER) WHICH
WAS TURNED IN TO FLEET FOR REPAIR, BUT DEEMED UN-REPAIRABLE

(2)

as a sole source procurement from KUT-KWICK CORPORATION

(3)

based upon the following justifications: NO OTHER VENDORS CARRY THE
KUT-KWICK SUPER-SLOPE MOWER AND THERE IS NO OTHER COMPARABLE
LAWN EQUIPMENT AVAILABLE THAT WILL CUT THE GRASS ON THE STEEP
SLOPES AT THE LMWP WITHOUT TIPPING OVER AND CAUSING INJURY TO
THE OPERATOR.

This sole source is valid through June 30, 2017

Amount \$ 67,340.00

Utility Operations
Department

[Signature]
Signature of Department Head

5/15/17
Date

[Signature]
Signature of Purchasing Agent

5/22/17
Date

***Form must be routed in
the order of the signatures***

[Signature]
Signature of Finance Director

5/22/17
Date

[Signature]
Signature of City Manager

5/24/17
Date

WSS:1 55PM MAY 19

- Notes: (1) Enter Division Name
(2) Enter description of goods or services to be procured
(3) Enter name of sole source contractor
(4) Enter the basis of sole source procurement

Distribution: Original attached to requisition (Form PUR 108201) Copy retained in Department's file. (Rev. 06/2016)

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.



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to ratify an Emergency Procurement Contract to repair an 8-inch cast iron pipe waterline behind the Children's Hospital, as requested by the Engineering Department. Award to Carolina Tap & Bore, Inc. in the amount of \$63,850.00. This firm is located in West Columbia, SC.

FINANCIAL IMPACT: Funding Source: Utilities Metro Wastewater Plant: Professional Services; 5511706-638500. The original budgeted amount is \$63,850.00.

ORIGINAL BUDGET: 63,850.00

CLEAN WATER 2020?: No

STRATEGIC GOALS: Foster a healthy quality of life

The Engineering Department requests City Council's approval to ratify an emergency contract between the City and Carolina Tap & Bore, Inc. (P164970). The original agreement was executed on May 31, 2017 in the amount of \$63,850.00. The emergency contract was issued to repair an 8 inch cast iron pipe waterline at the back of the Children's Hospital.

Quotes for this Emergency Procurement were solicited and four (4) quotes were received. We respectfully request approval to ratify this contract to Carolina Tap & Bore Inc., the lowest of the four (4), in an amount of \$63,850.00.

Carolina Tap & Bore is located in West Columbia, SC 29169.

Sec 2-204. (6) of the City Ordinance. Competitive sealed bidding required; exceptions allow the City to purchase goods and services without competitive sealed bidding when it is an emergency procurement.

ATTACHMENTS:

- **#a:** Children Hospital Emergency quotes and routing sheet (PDF)
- **#b:** Ms. Wilson and Mr Palen's approval (PDF)
- **#c:** P164970 (PDF)

- #d: Fully signed emergency justification (PDF)

Hammond, Salathiel

From: Higgins, Dana R
Sent: Friday, May 26, 2017 3:00 PM
To: Hammond, Salathiel
Cc: Jaco, Joey
Subject: FW: Palmetto Health Emergency Waterline Repair
Attachments: 2017_05_26_08_31_11.pdf

Hi Salathiel – Can you create a requisition in the next hour for the attached? City Manager and CFO have verbally approved. They are trying to issue a PO today. Thanks!



We Are Columbia

Dana R. Higgins, P.E., LEED A.P.
City Engineer

Utilities & Engineering Department
 1136 Washington Street
 P.O. Box 147
 Columbia, SC 29217
 (803) 545-3285
 (803) 988-8199 fax

From: Jaco, Joey
Sent: Friday, May 26, 2017 11:44 AM
To: Wilson, Teresa B; Palen, Jeffery M; Wright, Sandra A; Alonso, Janice L
Cc: Higgins, Dana R; Shealy, Clint E
Subject: Palmetto Health Emergency Waterline Repair

Earlier this week, we had a water main break at the Palmetto Health Children's Hospital. Water Division responded and was able to work with the hospital to keep the water service active. But, a repair is needed to provide continued service and prevent water quality issues. Where the leak is located, the water main is over 12' deep under their driveway below a large storm drain pipe creating unsafe work conditions. Because of this it was determined to prepare an emergency procurement and have a contractor make the repair. Engineering coordinated this with Procurement and quickly received bids to provide best costs. The attached emergency procurement was delivered to Sandra this morning and is being circulated for signature. Please let me know if you have any questions or need additional information is needed.

Thanks.
Joey

Joseph D. Jaco, P.E. | Director of Engineering
 City Of Columbia | Department of Engineering
 PO Box 147, Columbia, SC 29217
 1136 Washington Street, Columbia, SC 29201
 Office: (803) 545-3289 | Mobile: (803) 315-5597
 Email: jdjaco@columbiasc.net



CITY OF COLUMBIA - APPROVED PROJECT

THIS SECTION TO BE COMPLETED BY DEPARTMENT TO ADD OR ADJUST A PROJECT				
DEPARTMENT NAME	Engineering	DIVISION NAME	Wastewater Maintenance	DATE
				5/25/2017
PROJECT NAME	CE Projects not yet Defined			NEW PROJECT?
				No
PROJECT ID	SS728601		PROJECT TYPE	Capital
MANAGER NAME	Dana Higgins			

THIS SECTION TO BE COMPLETED BY DEPARTMENT							
REVENUE BUDGET CONTROL- identifies source of funding							
AMOUNT	FUNDING SOURCE	DESCRIPTION OF FUNDING SOURCE					
\$ 63,850.00	Operating	Transfer from CIP SS728601 - CE Projects not yet Defined to Operating (5511706-638305)					
\$ 63,850.00							
EXPENDITURE BUDGET CONTROL- creates capital project line item budget							
BUDGET YEAR	OBJECT CODE	FUND	DIVISION	PROJECT	CURRENT BUDGET	REVISED BUDGET	INCREASE (DECREASE)
16/17	658650	552	9999	SS728601	\$ 1,481,123.12	\$ 1,417,273.12	\$ (63,850.00)
			9999			\$ -	
			9999			\$ -	
TOTALS:					\$ 1,481,123.12		\$ (63,850.00)
EXPLANATION	Transfer from CIP SS728601 - CE Projects not yet Defined to Operating (5511706-638305) for emergency waterline repair.						

AUTHORIZED SIGNATURES:			
DEPARTMENT MANAGER	5.25.17	ASST CITY MANAGER	
DIVISION MANAGER	5/25/17	CITY MANAGER	



BUDGET TRANSFER REQUEST

Form BTR12

Budget Office Use

 Date Recvd: _____
 Date Entered: _____
 Batch: _____
 Posted by: _____

 DIVISION: Wastewater
 DEPARTMENT: Engineering
 REQUESTED BY: Dana Higgins
 PHONE NUMBER: 803-545-3285

 DATE: 05/25/17
 TITLE: City Engineer

TRANSFER TO				
ACCOUNT NUMBER	OBJECT CODE	Contract Name	PROJECT NUMBER	AMOUNT
5511706	638305	Special Contract - W/S, SW		\$ 63,850.00
TOTAL				\$63,850.00

TRANSFER FROM				
ACCOUNT NUMBER	OBJECT CODE	Contract Name	PROJECT NUMBER	AMOUNT
5529999	658650	CE Projects not yet Defined	SS728601	\$63,850.00
TOTAL				\$63,850.00

EXPLANATION/JUSTIFICATION:

May 25, 2017 Budget Transfer: Move \$63,850 from 5529999-SS728601-658650 to the operating account, 5511706-638305. A Project Grant Form identical to this sheet was also created on 05/25/17 for processing.

 APPROVAL: *Dana Higgins*
 Division Head: _____
 Department Head - *DH*
 Required _____

 DATE 5/25/17
 DATE 5.25.17

Budget Director - _____

DATE

 FOR BUDGET OFFICE USE ONLY
 DATE

Assistant City Manager - If Required _____

DATE

City Manager - If Required _____

Transfer

Revised 5/2011

Carolina Tap & Bore, Inc.
2430 Morningside Drive
West Columbia, SC 29169

BID FORM

Palmetto Hospital Repair and Watermain Replacement at Building 14

Item No.	Description	Qty.	Unit	Unit Price	Amount
1	Mobilization	1	LS	30,000.00	30,000.00
2	Remove and replace 5' wide sidewalk per SCDOT specs to match existing	25	LF	20.00	500.00
3	Remove and Replace Barrier type Curb and Gutter	50	LF	10.00	500.00
4	Traffic Control	1	LS	10,000.00	10,000.00
5	Sediment and Erosion Control	1	LS	4,000.00	4,000.00
6	Remove Asphalt (Contractor to be paid by tickets provided to City's Inspector)	70	SY	25.00	1,750.00
7	Replace Asphalt (6" Binder Type B; 2" Surface Type B)	70	SY	40.00	2,800.00
8	57 Stone (Contractor to be paid by tickets provided to City's Inspector)	250	TONS	20.00	5,000.00
9	Flowable Fill	125	CY	60.00	7,500.00
10	8" Ductile Iron Pipe (DIP) (to include all appurtenances)	20	LF	40.00	800.00
11	10" Ductile Iron Pipe (DIP) (to include all appurtenances)	20	LF	50.00	1,000.00
					\$63,850.00
					TOTAL \$

Email RYoung@carolinatapandbore.com
tel # 739 7056
fax # 791 1407

BID FORM
Palmetto Hospital Repair and Watermain Replacement at Building 14
 McClam & Associates, Inc. *Cullen*

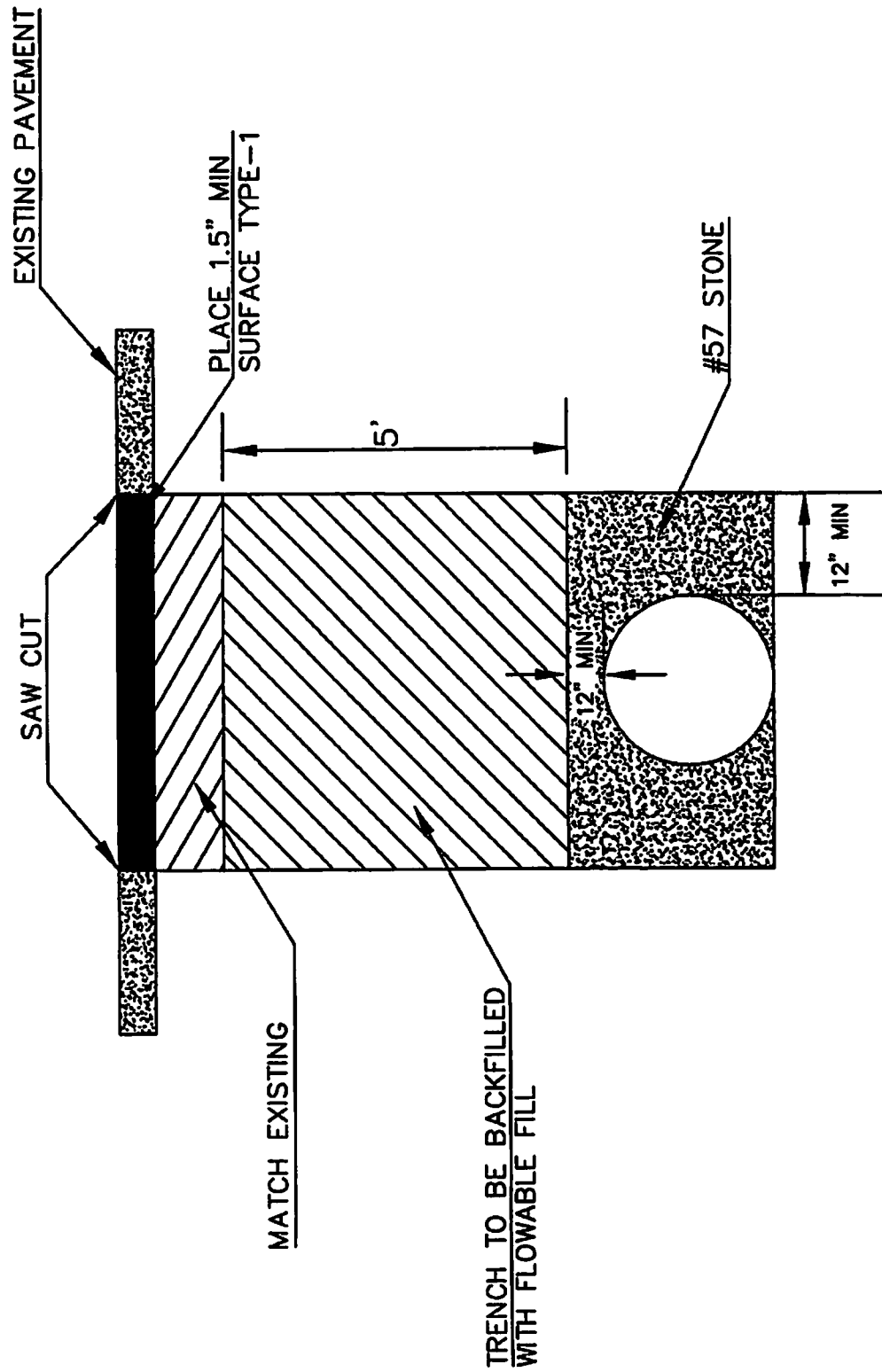
Item No.	Description	Qty.	Unit	Unit Price	Amount
1	Mobilization	1	LS	\$ 9,250.00	\$ 9,250.00
2	Remove and replace 5' wide sidewalk per SCDOT specs to match existing	25	LF	\$ 88.00	\$ 2,200.00
3	Remove and Replace Barrier type Curb and Gutter	50	LF	\$ 65.00	\$ 3,250.00
4	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
5	Sediment and Erosion Control	1	LS	\$ 3,500.00	\$ 3,500.00
6	Remove Asphalt (Contractor to be paid by tickets provided to City's Inspector)	70	SY	\$ 25.00	\$ 1,750.00
7	Replace Asphalt (6" Binder Type B; 2" Surface Type B)	70	SY	\$ 125.00	\$ 8,750.00
8	57 Stone (Contractor to be paid by tickets provided to City's Inspector)	250	TONS	\$ 47.00	\$ 11,750.00
9	Flowable Fill	125	CY	\$ 165.00	\$ 20,625.00
10	8" Ductile Iron Pipe (DIP) (to include all appurtenances)	20	LF	\$ 180.00	\$ 3,600.00
11	10" Ductile Iron Pipe (DIP) (to include all appurtenances)	20	LF	\$ 180.00	\$ 3,600.00
TOTAL					\$ 73,275.00



BID FORM
Palmetto Hospital Repair and Watermain Replacement at Building 14

Item No.	Description	Qty.	Unit	Unit Price	Amount
1	Mobilization	1	LS	\$ 8,500.00	\$ 8,500.00
2	Remove and replace 5' wide sidewalk per SCDOT specs to match existing	25	LF	\$ 80.00	\$ 2,000.00
3	Remove and Replace Barrier type Curb and Gutter	50	LF	\$ 50.00	\$ 2,500.00
4	Traffic Control	1	LS	\$ 1,500.00	\$ 1,500.00
5	Sediment and Erosion Control	1	LS	\$ 1,000.00	\$ 1,000.00
6	Remove Asphalt (Contractor to be paid by tickets provided to City's Inspector)	70	SY	\$ 20.00	\$ 1,400.00
7	Replace Asphalt (6" Binder Type B; 2" Surface Type B)	70	SY	\$ 120.00	\$ 8,400.00
8	57 Stone (Contractor to be paid by tickets provided to City's Inspector)	250	TONS	\$ 60.00	\$ 15,000.00
9	Flowable Fill	125	CY	\$ 150.00	\$ 18,750.00
10	8" Ductile Iron Pipe (DIP) (to include all appurtenances)	20	LF	\$ 750.00	\$ 15,000.00
11	10" Ductile Iron Pipe (DIP) (to include all appurtenances)	20	LF	\$ 750.00	\$ 15,000.00
TOTAL \$ 89,050.00					

ASPHALT PAVEMENT REPAIR (1) (FLOWABLE FILL)



(NOT TO SCALE)

Radin, Benjamin T

From: Wright, Sandra A
Sent: Friday, May 26, 2017 4:21 PM
To: Robinson, Lawana C
Cc: Radin, Benjamin T
Subject: FW: Palmetto Health Emergency Waterline Repair

Follow Up Flag: Follow up
Flag Status: Completed

FYI

From: Palen, Jeffery M
Sent: Friday, May 26, 2017 11:55 AM
To: Wilson, Teresa B
Cc: Jaco, Joey; Wright, Sandra A; Alonso, Janice L; Higgins, Dana R; Shealy, Clint E
Subject: Re: Palmetto Health Emergency Waterline Repair

I approve by email

Sent from my iPhone

On May 26, 2017, at 11:51 AM, Wilson, Teresa B <tbwilson@columbiasc.net> wrote:

Joey/ Sandra,

Please proceed posthaste to get this done. Jeff is out today and I am in and out. Please accept this email as my approval; I will sign if paperwork is available to me today but do not wait to move this emergency procurement forward. Thank you,

TW

Teresa Wilson
 City Manager
 City Hall; 1737 Main Street
 Columbia, SC 29201
 Phone: 803-545-3026
 Fax: 803-545-3051
 Mobile: 803-413-3118
tbwilson@columbiasc.net

On May 26, 2017, at 11:44 AM, Jaco, Joey <jdjaco@columbiasc.net> wrote:

Earlier this week, we had a water main break at the Palmetto Health Children's Hospital. Water Division responded and was able to work with the hospital to keep the water service active. But, a repair is needed to provide continued service and prevent water quality issues. Where the leak is located, the water main is over 12' deep under their driveway below a large storm drain pipe creating unsafe work conditions. Because of this it was determined to prepare an emergency procurement and have a contractor make the repair. Engineering coordinated this with Procurement and quickly received

bids to provide best costs. The attached emergency procurement was delivered to Sandra this morning and is being circulated for signature. Please let me know if you have any questions or need additional information is needed.

Thanks.

Joey

Joseph D. Jaco, P.E. | Director of Engineering

City Of Columbia | Department of Engineering

PO Box 147, Columbia, SC 29217

1136 Washington Street, Columbia, SC 29201

Office: (803) 545-3289 | Mobile: (803) 315-5597

Email: jdjaco@columbiasc.net

<2017_05_26_08_31_11.pdf>

Radin, Benjamin T

From: Wright, Sandra A
Sent: Friday, May 26, 2017 4:21 PM
To: Robinson, Lawana C
Cc: Radin, Benjamin T
Subject: FW: Palmetto Health Emergency Waterline Repair

Follow Up Flag: Follow up
Flag Status: Completed

FYI

From: Wilson, Teresa B
Sent: Friday, May 26, 2017 11:52 AM
To: Jaco, Joey
Cc: Palen, Jeffery M; Wright, Sandra A; Alonso, Janice L; Higgins, Dana R; Shealy, Clint E
Subject: Re: Palmetto Health Emergency Waterline Repair

Joey/ Sandra,

Please proceed posthaste to get this done. Jeff is out today and I am in and out. Please accept this email as my approval; I will sign if paperwork is available to me today but do not wait to move this emergency procurement forward. Thank you,

TW

Teresa Wilson
 City Manager
 City Hall; 1737 Main Street
 Columbia, SC 29201
 Phone: 803-545-3026
 Fax: 803-545-3051
 Mobile: 803-413-3118
tbwilson@columbiasc.net

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Thanks.
 Joey

Joseph D. Jaco, P.E. | Director of Engineering
City Of Columbia | Department of Engineering
PO Box 147, Columbia, SC 29217
1136 Washington Street, Columbia, SC 29201
Office: (803) 545-3289 | Mobile: (803) 315-5597
Email: jdjaco@columbiasc.net

<2017_05_26_08_31_11.pdf>

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the situation.

2. Once the problem is identified, the next step is to analyze the situation and determine the causes of the problem. This may involve conducting research, consulting with experts, or using analytical tools.

3. After analyzing the situation, the next step is to develop a plan of action. This plan should outline the steps that need to be taken to address the problem and achieve the desired outcome.

4. The final step in the process is to implement the plan and monitor the results. This involves putting the plan into action and tracking progress to ensure that the problem is being effectively addressed.

Page 1 of 10

**COLUMBIA**

A Capital Place to Be
1136 Washington St., 4th Floor
Columbia, South Carolina 29201

12.c

PURCHASE ORDER	
P.O. NUMBER	P164970
DATE	05/31/17
VENDOR I.D.	V008031
DELIVERY DATE	
FOB	DESTINATION
REQUISITION NO	R182858
OUR PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKING LIST AND CORRESPONDENCE.	

TO: CAROLINA TAP AND BORE INC
2430 MORNINGSIDE DRIVE
WEST COLUMBIA, SC 29169

FAX# (803) 791-1407

Page 1 of 1
ryoung@carolinatapandbore.com

DELIVER ITEMS TO:

UTILITIES & ENGINEERING
1136 WASHINGTON STREET, 6TH FLOOR
COLUMBIA, SC 29201

SEND INVOICE TO:

ACCOUNTING
PO BOX 147
COLUMBIA, SC 29217

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENSION
001	Emergency Procurement Emergency Procurement for a Waterline Repair at the Children's Hospital off Harden Street Ext Primary Contact: Dana Higgins 803-545-3285 Benjamin Radin, Junior Buyer Phone: 803-545-4471 btradin@columbiasc.net	63,850	EA	1.00	63,850.00
				SALES TAX	0.00
				TOTAL	63,850.00

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 

Packet Pg. 119

JUSTIFICATION FOR EMERGENCY PROCUREMENT

Based upon the following determination, the proposed procurement action described below is being procured pursuant to the authority of Section 1.17 of the City of Columbia Procurement Regulation and the 1976 South Carolina Code of Laws.

This governmental body proposes to procure _

Contractual services for the repair of an 8" cast iron pipe (CIP) waterline at the back of the Children's Hospital off Harden Street Ext. Proposed repair includes replacement of the existing 8" CIP and associated fittings with ductile iron pipe. The repair includes repair of asphalt lanes impacted by the break.

The break has created unsafe conditions for drivers accessing the back of the Children's Hospital. Additionally, the break has jeopardized the hospital's system in supplying water to the hospital and main lab located at Building 14. The waterline is 12' deep with unsafe working conditions and may have impacted the foundation of an adjacent structure. (1)

as an emergency procurement from _Carolina Tap & Bore, Inc. for a cost of \$ 63,850.00 funded from 5511706-638305.(2)

The basis for this emergency determination and the reason no other vendor is suitable is:

Failure to move quickly with required repairs will further jeopardize public safety and increase the possibility of damaging the integrity of 8" waterline and roadway. Four contractors were invited to propose their prices. These four contractors are very familiar with working with CIP pipe and are familiar with city specification and standards for waterline repair. The city received three bids. Carolina Tap & Bore, Inc. is the lowest responsible responsive contractor and is available to start work immediately and has the most knowledge of this line. (3)

5.25.2017

Date

[Signature]
Department Head

5.25.17

Date

[Signature]
Assistant City Manager

6/1/17

Date

[Signature]
Purchasing Agent

5/25/17

Date

[Signature]
CFO or Authorized Designee

5/25/17

Date

- Notes: (1) Enter description of goods or services to be procured.
(2) Enter name of emergency contractor.
(3) Enter the determination and basis for emergency procurement.

REV. 4/1/2015

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.



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to ratify an Emergency Procurement to repair a 6 inch cast iron pipe waterline at the 4000 block of River Drive, as requested by the Engineering Department. Award to Shady Grove Construction, LLC in the amount of \$239,250.00. This firm is located in Irmo, SC.

FINANCIAL IMPACT: Funding Source: Engineering: Paving and Asphalt Supplies; 5529999 -658650-WM441501. The original budgeted amount is \$239,250.00.

ORIGINAL BUDGET: 239,250.00

CLEAN WATER 2020?: No

STRATEGIC GOALS: Provide high quality municipal services

The Engineering Department requests City Council's approval to ratify an emergency procurement between the City and Shady Grove Construction, LLC (P164796). The original agreement was executed on May 25, 2017 in the amount of \$239,250.00. The emergency procurement was issued to repair a 6 inch cast iron pipe waterline at the 4000 block of River Drive.

Quotes for this emergency procurement were solicited and four (4) quotes were received. We respectfully request approval to ratify this contract to Shady Grove Construction, LLC, the lowest of the four (4), in an amount of \$239,250.00.

Shady Grove Construction, LLC is located in Irmo, SC 29083.

Sec 2-204. (6) of the City Ordinance. Competitive sealed bidding required; exceptions allow the City to purchase goods and services without competitive sealed bidding when it is an emergency procurement.

ATTACHMENTS:

- **#a:** Shady Grove Quote (PDF)
- **#b:** Shady Grove Emergency Form (PDF)

- #c: River Dr Purchase Order P164796 (PDF)

BID FORM
River Drive Asphalt Repair and Watermain Replacement

PAVING					
Item No.	Description	Qty.	Unit	Unit Price	Amount
	Mobilization	1	LS	\$ 8,000.00	\$ 8,000.00
	Remove and replace 5' wide sidewalk per SCDOT specs to include handicap ramp to match existing	250	LF	\$ 35.00	\$ 8,750.00
	Remove and Replace Barrier type Curb and Gutter as required by SCDOT	250	LF	\$ 40.00	\$ 10,000.00
	Temporary pavement marking and permanent striping including, but not limited to, lane striping and median striping, to return to existing condition per SCDOT specs.	1	LS	\$ 4,100.00	\$ 4,100.00
	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
	Sediment and Erosion Control	1	LS	\$ 5,200.00	\$ 5,200.00
	Remove Asphalt (quantity calculated at 8" thick) (Contractor to be paid by tickets provided to City's Inspector)	650	SY	\$ 45.00	\$ 29,250.00
	Replace Asphalt (6" Binder Type B; 2" Surface Type B)	650	SY	\$ 120.00	\$ 78,000.00
	Repair subgrade as needed (Quantity calculated on 4" thick. Contractor to insure subgrade meets min. SCDOT Specs. Contractor to proof roll subgrade. Contractor to be paid by tickets provided to City's Inspector)	650	SY	\$ 12.00	\$ 7,800.00
PAVING TOTAL					\$ 161,100.00
Watermain Replacement					
Item No.	Description	Qty.	Unit	Unit Price	Amount
	6" Ductile Iron Pipe (DIP) (to include all required bends)	250	LF	\$ 41.00	\$ 10,250.00
	6" Restraint Joint DIP	20	LF	\$ 45.00	\$ 900.00
	6"X6" Tapping Sleeve and Gate Valve w/ Box	2	EA	\$3,800.00	\$7,600.00
	Inserta Valve	1	EA	\$12,000.00	\$12,000.00
	Reconnect Water Service (Long)	2	EA	\$2,100.00	\$4,200.00
	Abandon existing 6" water main (cut and cap both ends to include concrete)	1	LS	\$3,200.00	\$3,200.00
	Flowable Fill (Trench Only)	200	CY	\$200.00	\$40,000.00
WATERMAIN TOTAL					\$ 78,150.00
TOTAL (Paving and Watermain)AMOUNT					\$ 239,250.00

Line		Description		Amount		Date	
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JUSTIFICATION FOR EMERGENCY PROCUREMENT

Based upon the following determination, the proposed procurement action described below is being procured pursuant to the authority of Section 1.17 of the City of Columbia Procurement Regulation and the 1976 South Carolina Code of Laws.

This governmental body proposes to procure _

Contractual services for the repair of a 6" cast iron pipe (CIP) waterline at the 4000 block of River Drive, just west of the intersection of River Drive and Pearl Street. Proposed repair includes replacement of the existing 6" CIP and associated fittings with ductile iron pipe. The repair includes repair of asphalt lanes impacted by the break.

The break has created unsafe conditions for drivers traveling in the eastbound lane of River Drive (US Hwy 176). Both lanes of traffic are currently closed. Due to the volume of vehicles that use this route on a daily basis, SC Department of Transportation (SCDOT) has requested we immediately repair the lanes and restore traffic. Failure to make repair will also jeopardize the integrity of River Drive. (1)

as an emergency procurement from _ for cost of \$ 239,250.00 funded from 5511706-623500 (2)

The basis for this emergency determination and the reason no other vendor is suitable is:

Failure to move quickly with required repairs will further jeopardize public safety and increase the possibility of damaging the integrity of 6" waterline and roadway. Four (4) contractors were invited to propose their prices. These four contractors are very familiar with working with CIP pipe and are familiar with city specification and standards for waterline repair and roadway construction. Shady Grove Construction, LLC is the lowest responsible responsive contractor and is available to start work immediately. (3)

<u>5.16.2017</u>	<u>[Signature]</u>	<u>5.16.2017</u>
Date	Department Head	Date
	<u>[Signature]</u>	<u>5/16/2017</u>
	Assistant City Manager	Date
	<u>[Signature]</u>	<u>5/16/17</u>
	Purchasing Agent	Date
	<u>[Signature]</u>	<u>5-16-2017</u>
	CFO or Authorized Designee	Date

Notes: (1) Enter description of goods or services to be procured.
 (2) Enter name of emergency contractor.
 (3) Enter the determination and basis for emergency procurement.

REV. 4/1/2015

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.

TYPICAL OF THE FOLLOWING:

[illegible]

Abstract: *Chlamydomonas reinhardtii* is a unicellular green alga that has been used as a model organism for studying photosynthesis, cell division, and other cellular processes. This paper describes the growth of *C. reinhardtii* in a continuous culture system, where the cells are maintained in a constant state of division. The growth rate is determined by the rate of cell division, which is influenced by factors such as light intensity, nutrient availability, and temperature. The continuous culture system allows for the study of the effects of these factors on the growth and division of the cells over a long period of time.

[illegible]

1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the underlying causes. Once the causes have been identified, the next step is to develop a plan of action. This involves identifying the steps that need to be taken to solve the problem and determining the resources that will be needed to implement the plan. Once a plan of action has been developed, the next step is to implement the plan. This involves carrying out the steps that have been identified in the plan and monitoring the progress of the implementation. Finally, the last step in the process is to evaluate the results of the implementation. This involves determining whether the problem has been solved and whether the resources have been used effectively.

[illegible][illegible]

1. The first part of the document is a letter from the author to the editor of the journal, dated 1954. The letter discusses the author's interest in the journal and the possibility of publishing a paper. The author mentions that he has been working on a paper for some time and is now ready to submit it. He also mentions that he has been reading the journal and is interested in the articles published in it.

1990年12月29日
 1991年1月1日

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Journal of Management Education 30(6)

105-1118

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Journal of Management Studies, 19(6), 701-718.

[illegible]

100-443887-100

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the situation.



COLUMBIA
A Capital Place to Be
1136 Washington St., 4th Floor
Columbia, South Carolina 29201

TO: SHADY GROVE CONSTRUCTION LLC
1079 WEST SHADY GROVE ROAD
IRMO, SC 29083

PURCHASE ORDER	
P.O. NUMBER	P164796
DATE	06/05/17 <i>Revised</i>
VENDOR I.D.	V011166
DELIVERY DATE	
FOB	DESTINATION
REQUISITION NO	R182483
OUR PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKING LIST AND CORRESPONDENCE.	

FAX#

Page 1 of 1
ERICASGC2@AOL.COM

DELIVER ITEMS TO:

UTILITIES & ENGINEERING
1136 WASHINGTON STREET, 6TH FLOOR
COLUMBIA, SC 29201

SEND INVOICE TO:

ACCOUNTING
PO BOX 147
COLUMBIA, SC 29217

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENSION
	REVISION #1, CHANGED ACCOUNT NUMBER 6/2/2017				
	Emergency Procurement				
001	Emergency Procurement for a Waterline Repair at River Drive and Pearl Street.	239,250	EA	1.00	239,250.00
	PRIMARY CONTACT: Salathiel H. Hammond 803-545-3255				
	Benjamin Radin, Junior Buyer Phone: 803-545-4471 btradin@columbiasc.net				
				SALES TAX	0.00
				TOTAL	239,250.00

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 20, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to approve Project WM4429; Blossom Street Asphalt Repair and Water Main Replacement, as requested by Utility Operations. Award to Shady Grove Construction, LLC, a Local Business Enterprise and Woman Owned Business Enterprise in an amount not to exceed \$445,995.00. This firm is located in Irmo, SC.

FINANCIAL IMPACT: Funding Source: Water and Sewer Capital Project Cost; 5529999 - 658650. This is Clean Water 2020 Program Project and the original budgeted amount is \$496,275.00.

The following sub-consultants will provide additional services:

B&H, a small business enterprise of Gaston, SC will provide \$141,000 (34.7%) of the contract value.

Capital Concrete, a local business enterprise of Lexington, SC will provide \$40,000 (9.8%) of contract value.

Fortiline Waterworks of Columbia, SC will provide \$16,000 (3.9%) of contract value.

Stay Alert of Columbia, SC will provide \$8,000 (2%) of the contract value.

ORIGINAL BUDGET: \$496,275.00

CLEAN WATER 2020?: Yes

STRATEGIC GOALS: Provide high quality municipal services

Three (3) bids were received for construction services for Blossom Street Asphalt Repair and Water Main Replacement (WM4429) (BID#079-16-17-DS) as requested by the Department of Engineering.

Due to a heavily traveled road and repairs being made several times, degradation continues which is causing poor water quality. A replacement of the water line and recompaction will help reduce future occurrences. The total construction time allocated for this project is thirty (30) days after the notice to proceed is issued. I respectfully request City Council's approval of these services from Shady Grove Construction, LLC at an amount not to exceed \$445,995.00. Shady Grove Construction, LLC is a LBE and a WBE. Their subcontractors for the project include B & H Paving of Gaston, SC, a SBE (34.7%), Capital Concrete of Lexington, SC, a LBE (9.8%), Fortiline Waterworks of Columbia, SC (3.9%) and Stay Alert of Columbia, SC (2%).

Shady Grove Construction, LLC is located in Irmo, SC.

Base Bid	\$405,450.00
Contingency	\$ 40,545.00
Total	\$445,995.00

This will be charged as follows:

Water and Sewer Capital Project Cost
5529999-658650

\$445,995.00

ATTACHMENTS:

- **#a:** Bid079 Attachment 1 Request Contract Blossom St. (PDF)
- **#b:** Bid079 Attachment 3 Engineer Letter of Recommendation (PDF)
- **#c:** Bid079 Attachment 2 Bid Tabulation (PDF)
- **#d:** Bid079 Attachment 4 Compliance Approval and Business Information Record (PDF)
- **#e:** Bid079 Attachment 5 Site Map (PDF)



Requesting a Contract

Name of Department	<u>Department of Procurement and Contracts</u>
Name of City Project Manager	<u>Bennie Gable</u>
Project Number and Description	<u>Bid079-16-17-DS Blossom Street Asphalt Repair and</u> <u>Water Main Replacement (WM4429)</u>
Name of Contractor Award recommended	<u>Shady Grove Construction, LLC</u>
Type of Procurement	<u>Open Public</u>
List of Subcontractors	<u>See Attachment 4 Business Information Record</u>
Clean Water 2020	<u>Yes</u>
Amount of Compensation	<u>\$405,450.00 Bid Amount</u> <u>(\$40,545.00 contingency / total requested approval amt. \$445,995.00)</u>
Original Budget	<u>\$496,275.00</u>
Funding Source	<u></u>
City Council District	<u>3</u>

Scott, Debbie

From: Gable, Bennie L
Sent: Thursday, June 08, 2017 4:56 PM
To: Scott, Debbie; Bolling, Andrea R
Cc: Porth, Gary B
Subject: RE: PROJECT : Bid#079-16-17-DS Blossom Street (WM4429) BID ANALYSIS FOR REVIEW

Debbie,

After reviewing the bid analysis for WM4429 (Blossom Street), the apparent low bidder is Shady Grove Construction, LLC. at \$405,450.00. It is recommended that City Council accept the proposed bid and a 10% contingency for a total cost of \$4445,995.00. Please let me know if you have any questions or need additional information.



We Are Columbia

Bennie Gable

Civil Engineering Specialist
Utilities & Engineering Department
1136 Washington Street
P.O. Box 147
Columbia, SC 29217
Office: (803) 545-4897
Mobile: (803) 528-7894
Fax: (803) 988-8199

Event Number	Bid 079-16-17-DS Addendum 1	Organization	City of Columbia, SC
Event Title	Blossom Street Asphalt Repair and Waterm	Workgroup	Purchasing
Event Description		Event Owner	Debbie Scott
Event Type	IFBs	Email	dlscott@columbiasc.net
Issue Date	6/2/2017 04:45:00 PM (ET)	Phone	
Close Date	6/8/2017 02:00:00 PM (ET)	Fax	

Responding Supplier	City	State	Response Submitted	Lines Responded	Response Total
Shady Grove Construction, LLC	Irmo	SC	6/8/2017 10:55:01 AM (ET)	1	\$405,450.00
LAD Corporation of West Colum	Swansea	SC	6/8/2017 12:56:37 PM (ET)	1	\$463,150.00
North American Pipeline Manag	Marietta	GA	6/7/2017 03:35:55 PM (ET)	1	\$496,350.00

Please note: Lines Responded and Response Total only includes responses to specification. No alternate response data is included.



CITY OF COLUMBIA
INTER-OFFICE MEMORANDUM

TO: Ayesha Driggers, Compliance Administrator
FROM: Debbie Scott, Procurement Contract Specialist,
Department of Procurement and Contracts
DATE: June 8, 2017

SUBJECT: BID#079-16-17-DS BLOSSOM STREET ASPHALT REPAIR AND WATER MAIN REPLACEMENT (WM4429).

Bids for this project were opened publicly at 2:00 p.m., June 8, 2017 in the second floor Conference Room, 1800 Main Street.

Bids submitted for the referenced project were in participation with the Local Business Preference Program.

The apparent low bidder is Shady Grove Construction, LLC, Irmo, SC at \$405,450.00.

Please review and verify the percentages listed on the Business Information Record and check for consistency to the noted dollar amount. Also please check the subcontracting for compliance noted on the Business Information Record under the LBE policy.

Please indicate your approval by signing below and returning to me.

Thank You.

Review Approved: _____

Ayesha Driggers, Compliance Administrator

Date: _____

6/12/17

Bid No: 079-16-17-DS Blossom Street Asphalt Repair and Watermain Replacement (WM4429)
Page 31 of 41

Business Information Record

The Bidder shall list all subcontractors and vendors, who will be providing subcontracting services, furnishing materials, etc. for this project. The list shall be submitted in the format provided below. Any proposed changes from the list shall be submitted in writing to the Owner prior to initiation of any action, with the reason for proposed changes.

MUST BE TYPED - "NO LINE STRIKE THROUGH"

Business Name & Address	Contact Name & Telephone	Services and/or Materials Provided	Cost of Services and/or Material (\$ Value)	Percentage of Total Contract	MBE, WBE, SBE, DBE, LBE (Indicate all that apply)	Is your Business CDBE Approved ? Yes or No
Fortiline Waterworks 120 N Shorecrest Road Columbia, SC 29209	James Young 803-783-5511	Pipe, fittings and appurtenances	\$16,000.00	3.9 %		
Capital Concrete POB 2494 Lexington, SC 29071	Dave Kelly 803-808-0825	Flow Fill	\$40,000.00	9.8 %		
B&H Paving 255 Irving Jumper Road Gaston, SC 29053	Walter Hankins 803-600-8407	Paving	\$141,000.00	34.7 %	SBE	
Stay Alert 8256 Garners Ferry Road Columbia, SC 29209	Jeff 803-783-4250	Traffic Control	\$8,000.00	2 %		
				%		
				%		

TOTAL: \$ 205,000.00

I certify this information is true, correct, complete and active.

Business Name:

Shady Grove Construction, LLC

Representative Name / Title:

Erica M. Richardson, Managing Member

Date:

June 8, 2017



Blossom Street Watermain Replacement and Asphalt Repair

WM4429



Legend

- Water Meters
- Hydrant
- 6" - 10"
- Service Line
- Interstates
- Major Streets
- Streets

1:1,053
1 inch = 88 feet
0 40 80 160 Feet

This map was prepared by:
arbolli@columbiasc.net
City of Columbia - GIS Division
Wednesday, May 31, 2017

CITY OF COLUMBIA GIS DATA DISCLAIMER

The City of Columbia GIS data represented on this map or plan is the product of the compilation of data 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.

Document Name: Blossom at Bull Repair
Document Path: C:\Users\arbolli\Desktop\Blossom at Bull Repair.mxd



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Procurement and Contracts

FROM: Sandra Wright, Purchasing Agent

SUBJECT: Council is asked to approve the Canal Water Treatment Plant Clearwell and High Service Pump Station 2 & 3 Improvements and Pre-Construction Services and to authorize the City Manager to enter into negotiations for agreements in an amount not to exceed \$44,331,000.00 between the City of Columbia and Adams Robinson Enterprise Inc. in a form to be approved by the City Attorney's Office with final approval by the City Manager. This firm is located in Dayton, OH.

FINANCIAL IMPACT: Funding Source: Water & Sewer Capital Projects- Capital Project Cost- Engineering Services Canal WTP Improvements; 5529999-658650-WM423101. The original budgeted amount is \$46,185,191.00. This is a Subcontracting Outreach Program Project.

Breakout of project programs/goals:

Subcontracting Outreach Program: (Includes both CDBEs and local subcontractors)

Requirement: 20% (\$ 8,866,200.00)

Actual: 34% (\$15,242,337.80)

Local Subcontracting: (Includes CDBEs meeting local requirements)

Requirement: 20% (\$8,866,200.00)

Actual: 24% (\$10,752,183.00)

Columbia Disadvantaged Business Enterprise Program (CDBE): (All CDBEs are minority owned businesses.)

Requirement: 10% (\$4,433,100.00)

Actual: 9.70% (\$4,300,106.99)

ORIGINAL BUDGET: **\$46,185,191.00**

BUSINESS PROGRAM: **Subcontracting Outreach Program**

STRATEGIC GOALS: **Foster a healthy quality of life, Provide high quality municipal services**

Two (2) bids were received for the Canal Water Treatment Plant Clearwell and High Service Pump Stations 2 & 3 Improvement Re-bid BID045-16-17-LRL) as requested by the Department of Utilities.

We respectfully request Council's approval of funding for the Canal Water Treatment Plant Clearwell and High Service Pump Station 2 & 3 Improvements and Pre-Construction Services and authorizing the City Manager to enter into negotiations for agreements not to exceed \$44,331,000.00 between the City of Columbia and Adams Robinson Enterprise Inc. in a form to be approved by the City Attorney's office with final approval by the City Manager.

Cost	\$42,991,000.00
Allowance	\$ 1,340,000.00
Total (Not to Exceed)	\$44,331,000.00

ATTACHMENTS:

- **#a:** Proposal (1) (PDF)
- **#b:** Business Information Records (PDF)
- **#c:** Adams Robinson - Low Responsive Bidder Document amended 6-15-2017doc (DOC)

CONTRACT DOCUMENTS AND SPECIFICATIONS
CANAL WATER TREATMENT PLANT
CLEARWELL AND HIGH SERVICE
PUMP STATION ROOMS 2 & 3 IMPROVEMENTS
FOR THE
CITY OF COLUMBIA
CIP NO. WM4231
URS PROJECT NO. 46422040
OCTOBER 2016



BID DOCUMENTS

Note: These documents are for the purpose of solicitation of bids and are not for use for construction.

Contractor: Adams Robinson Enterprises, Inc.
Address: 2735 Needmore Road, Dayton, Ohio 45414
Contractor's License Number: G11982



URS Corporation
101 Research Drive, Columbia, SC 29203-9389
(803) 254-4400 FAX (803) 771-6676

**CANAL WATER TREATMENT PLANT
CLEARWELL AND HIGH SERVICE
PUMP STATION ROOMS 2 & 3 IMPROVEMENTS**

**FOR THE
CITY OF COLUMBIA**

CIP NO. WM4231

URS PROJECT NO. 46422040

OCTOBER 2016



We Are Columbia

**CANAL WATER TREATMENT PLANT
CLEARWELL AND HIGH SERVICE
PUMP STATION ROOMS 2 & 3 IMPROVEMENTS
FOR THE CITY OF COLUMBIA
CIP PROJECT #WM4231**

PROPOSAL

BID FOR STIPULATED SUM 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.

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.

All Addenda must be acknowledged as received herein:

Addendum No. _____	1	Date _____	April 6, 2017
Addendum No. _____	2	Date _____	April 28, 2017
Addendum No. _____	3	Date _____	May 9, 2017
Addendum No. _____	4	Date _____	May 9, 2017
Addendum No. _____		Date _____	

CANAL WATER TREATMENT PLANT
CLEARWELL AND HIGH SERVICE
PUMP STATION ROOMS 2 & 3 IMPROVEMENTS RE-BID
FOR THE CITY OF COLUMBIA
CIP PROJECT #WM4231

BASE PROPOSAL: Bidder will provide, furnish, and install all equipment, labor, and materials required for the complete construction of the City of Columbia Canal WTP Clearwell and High Service Pump Station Rooms 2 & 3 Improvements as prescribed in the contract and specifications and according to the drawings for the following prices:

A. Total Base Bid / Ebidcolumbiasc Total* covering all work required by the contract documents including unit price bid items, except Item B below. \$ 42,991,000⁰⁰

B. Cash Allowance. \$ 1,340,000.00

Total Bid Proposal Amount: Sum of Items A & B**. \$ 44,331,000⁰⁰

Forty Four million Three hundred thirty one Thousand Dollars No Cents

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

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

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

Unit Prices: List below the unit prices for each unit price bid item used in preparing the base proposal:

Item No.	Description	Unit	Est. Quantity	Unit Price	Total Est. Price
1	Drill Shaft Pile	LF	5150	\$ <u>300.⁰⁰</u>	\$ <u>1,545,000⁰⁰</u>
2	Helical Pier	EA	8	\$ <u>2,500⁰⁰</u>	\$ <u>20,000⁰⁰</u>

The above unit prices shall include all labor, materials, equipment, overhead, profit, insurance, etc to cover the finished work of the several kinds called for.

Bidder declares that he/she understands that the quantities shown are subject to adjustment by either increase or decrease and that should the quantities be increased, the bidder proposes to do the additional work at the unit prices stated herein. Should the quantities be decreased, bidder also understands that payment will be made on actual quantities at the unit prices bid, and will make no claim for anticipated profits for any decrease in the quantities and that actual quantities will be determined upon completion of work, at which time adjustment will be made to the contract amount by direct increase or decrease.

Site visit verification must be acknowledged as completed herein: April 20, 2017 (Date)

DEDUCTIVE ALTERNATES:

List below separately the amount that can be deducted from the Base Proposal for each alternate described. Amount for each alternate shall include all labor, materials, equipment, overhead, profit, insurance, etc. to cover the work described.

Deductive Alternate No. 1: Work to include deletion of the entire proposed security system, including cameras, building security features, perimeter security system (fence security system), fiber optic cables, electrical conduits and conductors. The proposed work to be deducted is furthermore described in Specification Section 13310 – Supervisory Control and Data Acquisition System and is noted as "Deductive Alternate No. 1". Work may also be shown on the Drawings, but not specifically noted as Deductive Alternate work.

Bidder agrees to deduct the following amount from the total base bid proposal amount as described for the sum of one million Five Hundred Thousand Dollars NO cents (\$ 1,500,000.00) (Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.

Deductive Alternate No. 2: Work to include deletion of modifications to the existing Raw Water Pump Variable Frequency Drives (VFD's) including conversion of the units to 50 degrees Celsius temperature rating and conversion of the units to "Smart VFD's". The proposed work to be deducted is furthermore described in Specification Section 11210 – High Service Pumps and Controls and is noted as "Deductive Alternate No. 2". Work may also be shown on the Drawings, but not specifically noted as Deductive Alternate work.

Bidder agrees to deduct the following amount from the total base bid proposal amount as described for the sum of Five Hundred Thousand Dollars NO cents (\$ 500,000.00) (Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.

The project will be awarded based on the Base Proposal and the Deductive Alternate(s) as selected by the Owner. The Owner may reject any or all of the alternates or select any combination of the alternates. It is the Owner's discretion to award the contract based on which combination of Base Proposal and alternates is advantageous to the Owner.

BASE BID EQUIPMENT MANUFACTURERS AND SYSTEM SUPPLIERS:

The project will be awarded based on the base bid equipment listed below. The bidder must base his lump sum bid on the listed base bid equipment manufacturers/suppliers. Deductions for Owner selected equipment substitutions will not be considered in determining the basis of award. The bidder may indicate substitute equipment manufacturers/suppliers items by writing in the substitute manufacturer/supplier and the amount of deduction for that substitute name write-in.

Substitute manufacturer/supplier will be deemed as equal if the substitute is the same or better than the product named and described in the specifications in function, performance, reliability, quality and general configuration. Determination of the equality of a substitute shall be determined by the Engineer after the bid, based on submittal data received with the Contractor's bid documents. Should the write-in substitute be determined "not equal", then the bidder shall supply the equipment by the listed base bid manufacturer/supplier. The owner may determine any substitute "not equal" as the Owner determines to suit his sole best interest at any time.

Evaluation data to determine if a substitute equipment manufacturer/supplier is an acceptable substitute must be submitted by the bidder with the bid. Information submitted after the bid will not be considered. Information submitted directly by equipment manufacturers/suppliers will not be evaluated. Minimum evaluation data shall include submittal information in conformance with Sections 01340 and 01650 of the contract documents. Data and drawing submittal shall be prepared specifically for this project. Incomplete submittals that do not conform with Sections 01340 and 01650 will not be considered. Sales Catalog cuts or marked up drawings from previous projects will not be reviewed.

The Owner shall be reimbursed for any engineering costs associated with the review of any substitutes in accordance with the terms of the Engineer's Agreement with the Owner. The Owner is in no way obligated to review substitute equipment submittals.

No substitute equipment/manufacturer/supplier will be considered unless, in the opinion of the Owner or Engineer, it conforms to the contract drawings and specifications in all respects, except for the make and manufacture and minor details. Design and preparation of these plans and specifications are based on equipment by the listed manufacturers/suppliers. The Owner shall be reimbursed for any and all engineering costs associated with review of substitute equipment submittals, redesign and/or construction drawings in accordance with the terms of the engineering agreement with the Owner. The bidder shall also include any and all costs associated with additional construction costs (mechanical, structural, electrical, architectural, engineering, construction observation, etc.) as the result of a substitute item. The bid shall also include any paid up licenses necessary for the use of the equipment as required.

BASE BID EQUIPMENT MANUFACTURER AND SYSTEM SUPPLIER SCHEDULE

Spec Section	Description	Equipment Manufacturers /Suppliers Base Bid		Amount of Deduction for Substitute
			Substitute	
03700	Structural Geopolymer Lining Rehabilitation System	IPR or Quadex GeoKrete		\$
03750	Injection Grout Soil Stabilization	Avanti		\$
07420	Standing Seam Roofing System	Englert		\$
08332	Aluminum Rolling Service Doors	Cookson		\$
08400	Aluminum Doors and Frames	Cline Aluminum Doors		\$
08410	Aluminum Entrances and Storefronts	VistaWall Group		\$
11210	High Service Pumps and Controls	Patterson		\$
11210	System Supplier	Heyward Services		\$
11213	Waste Return Pumps and Controls	Layne/Verti-Line		\$
11213	System Supplier	Heyward Services		\$
11220	Flash Mixers	Lightnin SPX		\$
11291	Metal Slide Gates	Whipps		\$
11295	Butterfly Valves	DeZurik Water Controls		\$
11297	Rotary Pump Control Valves	GA Industries		\$
11389	Cell Curtains	ThermaFab		\$
13310	Supervisory Control and Data Acquisition System	MR Systems		\$

Spec Section	Description	Equipment Manufacturers /Suppliers		Amount of Deduction for Substitute
		Base Bid	Substitute	
13320	Magnetic Flow Meters	McCrometer		\$
13320	Pressure/Flow Transmitters	Rosemount		\$
13320	Ultrasonic Level Sensor	Milltronics		\$
14630	Bridge Crane and Hoist	Engineered Systems, Inc.		\$

SUBCONTRACTORS:

List below, as indicated, the names of the subcontractors used in preparing the Base Proposal:

1. Electrical: By GC
2. Mechanical: By GC
3. Painting: Harrelson Painting
4. Masonry: K&D Masonry
5. Concrete: By GC
6. Roofing: Heritage Roofing Co.
7. Augered Cast-in-Place Piles: McKinney
8. Helical Piers: By GC

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 within **nine hundred (900)** consecutive calendar days from and including the said date of commencement to Substantial Completion as defined in the Special Provisions.

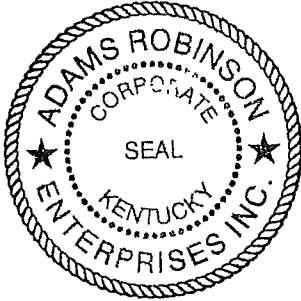
Furthermore, the undersigned proposes and agrees to finally complete the amount of work herein contemplated within **nine hundred fifty (950)** consecutive calendar days from and including the said date of commencement to Final Completion as defined in the Special Provisions.

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% (five percent) 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.

Respectfully submitted,

SEAL
(if bid is by a Corporation)



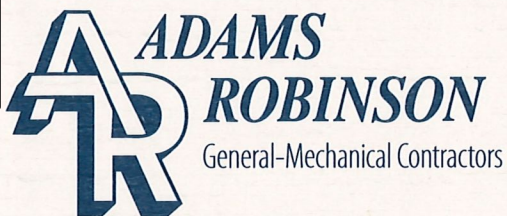
David Miller
Signature of Person, Firm or Corporation
Making Bid David Miller for Adams Robinson Enterprises, Inc.
CFO

Title
Adams Robinson Enterprises, Inc.

2735 Needmore Road

Dayton, Ohio 45414
Business Address

S. C. Contractor's License No.: G11982



May 19, 2017

City of Columbia, S.C.
Procurement & Contracts
1136 Washington Street
Suite 434
Columbia, SC 29201

Attention: LaWana Robinson-Lee

RE: Canal Clearwell & High Service Pump Station Rooms 2 & 3 Improvements Re-bid WM4231
Amended Business Information Record

Dear Ms. Robinson,

We are enclosing our amended Business Information Record for Subconsultants/Subcontractors.

We have added several local subcontractors and suppliers that we will be utilizing on this project.

We look forward to another successful project with the City of Columbia.

If you have any further questions or comments, do not hesitate to contact us.

Sincerely,

Thomas M. Jobe
Vice President of Project Management
MBE/DBE Administrator

Enclosures

AMENDED

Business Information Record for Subconsultants/Subcontractors

The Bidder shall list all subcontractors and vendors, who will be providing subcontracting services, furnishing materials, etc. for this project. The list shall be submitted in the format provided below. Any proposed changes from the list shall be submitted in writing to the Owner prior to initiation of any action, with the reason for proposed changes.

MUST BE TYPED AND REFLECT ONLY THOSE PROVIDING A SERVICE "NO LINE STRIKE THROUGH"

Business Name (as shown in SAM.gov) / Address / DUNS # & CAGE #	Contact Name & Telephone	Services and/or Materials Provided	Cost of Services and/or Material (\$ Value)	Percentage of Total Contract	MBE, WBE, SBE, DBE, LBE (indicate all that apply)	Is your Business CDBE Approved? Yes or No
HW Glass 1723 Westminster Dr. Columbia, SC 29260	Levy Rogers (803)764-7960	Aluminum Entrances and Store Fronts	\$171,500	.4 %	Local Subcontractor	No
Bilt Rite P.O. Box 5979 West Columbia, SC 29171	Lance Stephens (803)309-8090	Rolling Door	\$12,998	.02 %	Local Subcontractor	No
Concrete Supply Company LLC 20001 Taylor Street Columbia, SC 29204	Daniel Rivers (803)521-6573	Concrete	\$1,936,000	4.3 %	Local Vendor	No
Blanchard 3151 Charleston Hwy West Columbia, SC 29172	Brady Porth (803)791-7100	Generator	\$1,587,563	3.5 %	Local Vendor	No
Newman Fence Company Inc. P.O. Box 1359 Roebuck, South Carolina	Teri Newman (864)595-4222	Fencing	\$29,965	.06 %	Local Subcontractor	No
Gordon Stucco & Plastering Services, LLC 2941 Mineral Springs Road Lexington, SC 29073	Floyd Gordon (803)513-9630	Stucco	\$165,000	.3 %	Local Subcontractor	No

TOTAL: \$ 19,383,763

I certify this information is true, correct, complete and active.

Business Name:

Adams Robinson Enterprise, Inc.

Representative Name / Title:

David Miller
David Miller, CFO

Date:

May 12, 2017

AMENDED

Business Information Record for Subconsultants/Subcontractors

The Bidder shall list all subcontractors and vendors, who will be providing subcontracting services, furnishing materials, etc. for this project. The list shall be submitted in the format provided below. Any proposed changes from the list shall be submitted in writing to the Owner prior to initiation of any action, with the reason for proposed changes.

MUST BE TYPED AND REFLECT ONLY THOSE PROVIDING A SERVICE "NO LINE STRIKE THROUGH"

Business Name (as shown in SAM.gov) / Address / DUNS # & CAGE #	Contact Name & Telephone	Services and/or Materials Provided	Cost of Services and/or Material (\$ Value)	Percentage of Total Contract	MBE, WBE, SBE, DBE, LBE (indicate all that apply)	Is your Business CDBE Approved? Yes or No
Heyward Services 2101-A Cambridge Beltway Drive Charlotte, NC 28273	P. Charles Jenkins (704)583-2305	System Supplier	\$6,830,000	15.4 %	OBE Vendor	No
M/R Systems 2711 Middleburg Drive Suite 204 Columbia, SC 29204	Thomas Hopkins (678)325-2800	Instrumentation	\$1,871,290	4.2 %	Local Vendor	No
Triad Mechinal Contractors 3674 Old Charleston Rd. Johns Island, SC 29455 119181485/ODW124	Andrew Landgrebe (843)556-5636	HVAC	\$550,017	1.2 %	OBE Subcontractor	No
K&D Masonry & Concrete 2727 Wellard St. Columbia, SC 29203	Kenneth Boyles (803)862-7789	Masonry	\$550,000	1.2 %	Local Subcontractor	Yes
Carolina Wrecking 141 Cort Rd. Columbia, SC 29203	Charles Dowey (803)333-0599	Demolition	\$200,000	.4 %	Local Subcontractor	No
Taylor Brothers 2201 Atlas Road Columbia, SC 29209	Collier C. Taylor (803)776-5113	Pumps, Pipe & Trucking	\$3,750,000	8.8 %	Local Subcontractor	Yes

TOTAL: \$ 19,383,763

I certify this information is true, correct, complete and active.

Business Name:

Adams Robinson Enterprises, Inc.

Representative Name / Title:

David Miller CFO
David Miller, CFO

Date:

May 12, 2017

AMENDED

Business Information Record for Subconsultants/Subcontractors

The Bidder shall list all subcontractors and vendors, who will be providing subcontracting services, furnishing materials, etc. for this project. The list shall be submitted in the format provided below. Any proposed changes from the list shall be submitted in writing to the Owner prior to initiation of any action, with the reason for proposed changes.

MUST BE TYPED AND REFLECT ONLY THOSE PROVIDING A SERVICE "NO LINE STRIKE THROUGH"

Business Name (as shown in SAM.gov) / Address / DUNS # & CAGE #	Contact Name & Telephone	Services and/or Materials Provided	Cost of Services and/or Material (\$ Value)	Percentage of Total Contract	MBE, WBE, SBE, DBE, LBE (indicate all that apply)	Is your Business CDBE Approved? Yes or No
Heritage Roofing Co. 122 Royal Oaks Lane Lexington, SC 29072	Edwin Farr (803)796-3327	Roofing	\$323,430	.7 %	Local Subcontractor	No
Harrelson Painting 107 Cuklasure Road Swansea, SC	Lee Sharpe (803)960-1791	Painting	\$155,000	.3 %	Local Subcontractor	No
McKinney Drilling Co. 1265 Blairs Bridge Road Lithia Springs, GA 30122	Sam Odum (770)948-9521	Drilled Shaft Foundations	\$1,251,000	2.8 %	OBE Subcontractor	No
				%		
				%		
				%		

TOTAL: \$ 19,383,763

I certify this information is true, correct, complete and active.

Business Name:

Adams Robinson Enterprises, Inc.

Representative Name / Title:

David Miller CFO
David Miller, CFO

Date:

May 12, 2017



OK per
Steve S.
for Base
bid

PROPOSAL

Project: Columbia Canal WWTP
Location: Columbia, SC
Date: 05/12/17

We propose to furnish and install the following for the sum of:

Base Bid: \$171,500.00

Includes:

1. 08400 Aluminum Doors and Frames
2. 08410 Aluminum Entrances and Storefronts
3. 08520 Aluminum Windows
4. 08800 Glazing
5. Exterior and interior caulking
6. Insulated Glass equal to Solorgray Tinted
7. Metal Finish to be equal to VistaWall Kynar "Military Blue"
8. 3 EA Type E Windows and 1 EA Type 8 Door Unit in Post Mix Building
9. 2 EA Type C, 6 EA Type D, 9 EA Type C (modified) Windows in Overall Bldg (A04.11 and A04.20)
10. 1 EA Type 1, 2, 3, 4, 6, 7, 8 and 9 Door Units in Overall Bldg (A04.11 and A04.20)
11. 1 EA Type 11 Door Unit in Waste Return Pump Station Electrical Building
12. Sales Tax

Excludes:

1. Door Hardware
2. Hollow metal doors or frames of any kind
3. Lo "E" Glazing
4. Type "A" Windows
5. Insulated Coiling Door
6. Fire rated glazing – non shown
7. Spandrel glass – non shown
8. Mirrors of any type
9. Any work of any kind not specifically included above
10. Cleaning and protection of installed materials
11. Preparation or repair of rough openings
12. Wood blocking
13. Flashing other than sill pans/sill extensions
14. Field testing
15. Bonds

General Notes:

1. Quote good for 30 days

Sincerely,

Levy Rogers
levy@hw.glass
803-518-1886



**COMPLETE GARAGE
DOOR SYSTEMS**



July 14, 2016

**Canal Water Treatment Plant
Columbia, S.C.**

Bilt Rite corporation proposes to furnish the labor and material to install the following:

High Service Pump Room #2 – Upper Level

Door # 5 / Door Type 5

1 each 10'-0" x 12'-0"

Cookson insulated rolling steel service door, aluminum #45 slats, 20/20 gauge,
Powder coat finish, aluminum hood and guides, motor operated with safety
edge and NEMA 4 controls

- Stainless steel wall angles.
- Stainless steel mounting brackets.
- Stainless steel fasteners for guides.
- Stainless steel brackets.
- Stainless steel wall anchors

Installed total = ~~11,900.00~~

\$12,998

- All electrical, conduit, and wiring to be done by others.
- Proposal valid for 90 days.

Lance S. Stephens

**Lance S. Stephens
Commercial Sales/Bilt Rite Corp.
(803) 309-8090**

QUALITY READY-MIXED CONCRETE
CONCRETE PUMPING and
DRY MATERIALS



PO Box 5247
CHARLOTTE, NC 28288

QUOTATION

05/11/2017

ADAMS ROBINSON ENTERPRISES, IN
2735 NEEDMORE RD
DAYTON, OH 45414
Attn: Steven Siefker

Canal Watrer Treatment Project
Richland County
Columbia, SC .

We are pleased to quote you the following materials for the above referenced project, subject to the general terms and conditions of sale stated below and on page two of this proposal:

DESCRIPTION	UNIT PRICE	UNIT	TAX
2500 psi, Fly Ash Mix, #57 Stone	114.50 ✓	cu yds	8.000%
3000 psi, Fly Ash Mix, #57 Stone	117.00	cu yds	8.000%
4000 psi Shotcrete, Coarse Aggregate	142.00	cu yds	8.000%
4000 psi Shotcrete, Fine Aggregate	147.00	cu yds	8.000%
4000 psi, Fly Ash Mix, #57 Stone	122.00 ✓	cu yds	8.000%
5000 psi, Fly Ash Mix, #57 Stone	127.00 ✓	cu yds	8.000%
Class 4000, SCDOT Approved Mix, Fly Ash, Drill Shaft	127.00	cu yds	8.000%

Notes: The above prices are based on mixes meeting all ASTM requirements. We will quote special mixes on request. This quotation expires 30 days from the date of bid.

CONDITIONS OF SALE: (For complete information, see page two)

1. Appropriate state sales tax will apply.
2. Retarder: \$3.00 per dose.
3. Non-Chloride Accelerator: \$6.00 per dose.
4. Superplasticizer (HRWR): \$6.00 per cubic yard for 5000 PSI and below. ✓
5. #78 Stone (aggregates less than 3/4"): Add \$8.00 per yard to the above prices.
6. Chilled or Hot Water (Where available): Add \$6.00 per yard .
7. Straight Cement Mixes: Add \$3.00 per yard.
8. Ice (if needed to meet temperature specs): \$0.50 per lb.
9. Standing time \$100.00 per truck hour after first hour on job (Max two hours on jobsite).
10. Minimum batched load of concrete:
Two cubic yards up to 4000 PSI.
5000-8000 PSI: Four cubic yards.
11. Minimum load charge of \$150.00 will apply to all deliveries less than 4 cubic yards.
12. Standard Operating Hours: Monday-Friday 7:00am-5:00 pm.
13. Saturday AM Delivery: Add \$5.00 per cubic yard to the above prices.
14. Environmental fee: \$3.00 per load. ✓
15. Fuel Surcharge: \$0.00 per truck. ✓

For possible mix trials, if required by the engineer, we quote an estimated price of \$2500.00.

Prices are effective until April 1, 2018 with a maximum escalation of \$10.00 per yard applicable on April 1, 2018 and April 1, 2019.

We appreciate the opportunity of quoting and trust that we will have the pleasure of furnishing your requirements.

Sincerely,
CONCRETE SUPPLY CO.
Daniel Rivers
(803) 521-6573

Blanchard
 POWER SYSTEMS

Brady Port

Columbia
 3151 Charleston Hwy
 West Columbia, SC 29172
 803.791.7100 tel
 803.926.4230 fax

Greenville
 6755 Frontage/Whitehorse
 Greenville, SC 29605
 864.672.0500 tel
 864.672.0501 fax

Summerville
 153 Farmington Rd.
 Summerville, SC 29483
 843.871.2100 tel
 888.527.9433 fax

QUOTATION

Date: May 10, 2017

Attn: Bidders

Re: Columbia Canal Switchgear and Generator Upgrades Proposal

We are pleased to offer the following quotation:

Existing Generator Upgrades

Install EMCP 3.3 Control Panel Assembly (Match existing C175 genset)
 Configure Generator Stator from 2400VAC to 4160VAC and perform 2 hour load test
 Provide replacement generator NGR
 Retrofit generator and switchgear controls
 Configure existing genset for temporary service
 Coordinate and perform export tests with SCE&G
 Provide 5 year Cat Generator Platinum Plus ESC Warranty

New Switchgear A, B, and HS and upgrades to modifications to RWPS switchgear

Short Circuit and Protective Device Coordination Study

Data Collection is excluded

Arc Flash Risk Assessment

Including equipment labels

NFPA 70E Electrical Safety Training (2 Sessions)

Breaker Testing of Existing and New Switchgear

Provisions for one week generators, transformers and cable rental to be connected to new HSPS switchgear

To allow isolation of new system for final testing and commissioning.

Connection and fueling of generators is not included

Total Net Price (excluding sales tax)

\$1,587,563.00

Notes:

1. This proposal is limited to the bill of material as stated in this proposal.
2. Offloading, setting, installation, and fueling are not included.

Page 1 of 2

THIS QUOTATION INCLUDES AND IS SUBJECT TO ALL THE PROVISIONS ON THE REVERSE HEREOF. PRICES QUOTED ARE GUARANTEED FOR 30 DAYS FROM THE DATE OF THE PROPOSAL.

PLEASE REVIEW YOUR SPECIFICATIONS TO BE SURE THAT THE APPARATUS DESCRIBED ABOVE MEETS YOUR REQUIREMENTS. This quotation covers such apparatus as described herein and does not constitute a job proposal. Reference herein to a job name or a job number does not institute a representation or warranty that such apparatus meets any particular specification. Thank you for your request and for your consideration of this quotation. Plus all applicable state and local taxes. Telephone and verbal orders are to be confirmed in writing. We reserve the right to correct stenographic or clerical errors. Deliveries are subject to occurrences beyond our control.



P.O. Box 1359
 Roebuck, South Carolina 29376
 Phone: 864-595-4222
 Fax: 864-595-9550
nfc@newmanfence.com

PROPOSAL

Submitted To:

Adams Robinson Enterprises, Inc.
 2735 Needmore Rd.
 Dayton, OH

Date: May 12, 2017

Project Location:

Canal Water Treatment Plant
 Columbia, SC

Project Description:

Provide and Install Industrial Ornamental Steel Fence as follows:

- Height 6'
- 200 LF
- Style – Ameristar Montage Plus Genesis 4 Rail with Rings
- 1 ea. 5' High x 4' Wide Single Swing Gate
- 2 ea. 3" x 3" Gate Posts
- ¾" Pickets
- 2 ½" Posts

\$17,985.00

Black Vinyl Coated Chain Link Fence as follows:

- Height 5'
- LF
- 1 ea. 3' Wide Single Swing Gate
- 5 ea. 3" SS40 Terminal Posts
- 1 ea. Strong Arm Double Swing Gate Latch for Existing Gate
- 9 Gauge Galvanized Steel Wire with Class 2B Fuse Bond Coating
- 2 ½" SS40 Line Posts
- 1 5/8" SS40 Top Rail
- Bottom Tension Wire
- Concrete Footings: 9" – 12" Diameter, 27" – 36" Depth

\$11,980.00

TOTAL: 29,965.00

EXCLUSIONS:

Removing and Disposing of Existing Fence

Location of Property Lines

Private Utility Locating Services (including irrigation lines & any lines not located by public utilities)

Thank you for giving me the opportunity to provide you with this proposal. Please call me if you have any questions.

Teri A. Newman
 President

Steven Siefker

From: FGLO@aol.com
Sent: Thursday, May 11, 2017 8:13 PM
To: Steven Siefker
Subject: Re: Canal WTP - Columbia, SC

Steve,

Our estimate to install the metal lath and cement stucco on the Clearwell buildings 1 and 2 for the sum of \$165,000.00. Our estimate includes labor and materials. Our estimate excludes any framing, sheathing, or sealants.

If you have any questions, please contact me at 803-513-9630.

Respectfully,
Floyd Gordon II
Gordon Stucco & Plastering Services, LLC
2941 Mineral Springs Road
Lexington, SC 29073

In a message dated 5/9/2017 10:29:57 A.M. Eastern Daylight Time, ssiefker@adamsrobinson.com writes:

Mr. Gordon,

Thanks for returning my call. We look forward to seeing your quote on this project. Please send over the scope at your earliest convenience.

Thanks,

Steven A. Siefker

Project Manager/Estimator

Adams Robinson Enterprises, Inc.

2735 Needmore Rd.

Dayton, OH 45414

Office: 937-274-5318

Fax: 937-274-0836

Mobile: 937-603-3201



We Are Columbia

Office of Business Opportunities

1225 Lady Street, Columbia, South Carolina 29203 • Phone: 803-545-3950 • Fax: 803-255-8912

June 15, 2017

Mr. Joseph D. Jaco, P.E.
Utilities and Engineering Department
1136 Washington Street
Columbia, SC 29201

**Re: WM4231 Canal Water Treatment Plan Clearwater and High Service Pump Station
Rooms 2 & 3 Improvements Re-Bid **UPDATED******

Mr. Jaco:

After careful review of the documentation provided to our compliance team, it has been determined that Adams Robinson Enterprise Inc. has met the subcontracting requirements for project WM4231. They also meet the criteria for the associated programs and goals listed below.

Breakout of project programs/goals:

Bid Amount: \$ 44,331,000.00

Subcontracting Outreach Program (SOP) (as a percentage of total contract dollars):

Requirement: 20% (\$ 8,866,200.00)	Actual: 34%	(\$15,242,337.80)
* Includes both CDBEs and local subcontractors		

Local Subcontracting:

Requirement: 20% (\$ 8,866,200.00)	Actual: 24%	(\$10,752,183.00)
** Includes CDBEs meeting local requirements.		
*** Excluding CDBEs: 14.5% (\$6,452,076.01)		

Columbia Disadvantaged Business Enterprise Program (CDBE):

Requirement: 10% (\$ 4,433,100.00)	Actual: 9.70%	(\$ 4,300,106.99)
**** All CDBEs are minority owned businesses.		

Additional Info:

- LBE Certification: NO
- SOP contract by Services: **\$ 9,030,200**
SOP contract by Materials: \$ 6,212,137.80 (\$10,353,000@60%)

Based on the information listed above, Adams Robinson Enterprise Inc. has met all subcontracting requirements to complete the scope of work as outlined in the specifications of project WM4231. Please contact Ayesha Driggers at 803-545-3049 if you have any additional questions.

Sincerely,

Tina Herbert
Office of Business Opportunities



We Are Columbia

MEETING DATE: June 20, 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: First reading approval was given on June 13, 2017.

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)

HISTORY:

06/13/17

Columbia City Council

APPROVED ON FIRST READING

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.
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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.

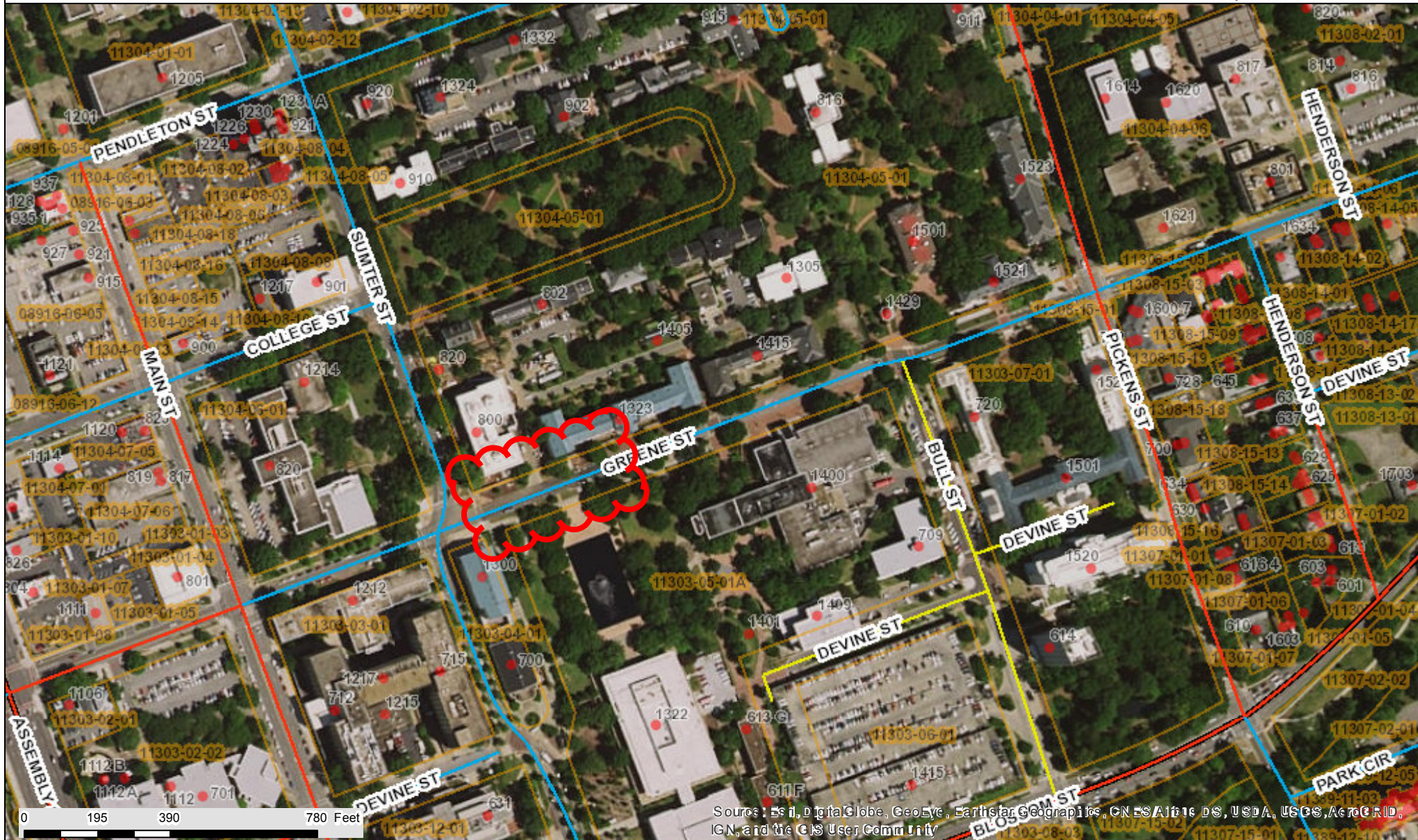
City of Columbia

USC Sumter and Green St. Pedestrian Improvements

16.a



Thursday, June 01, 2017



CITY OF COLUMBIA GIS DATA DISCLAIMER

The City of Columbia GIS 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.



Packet Pg. 162

**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

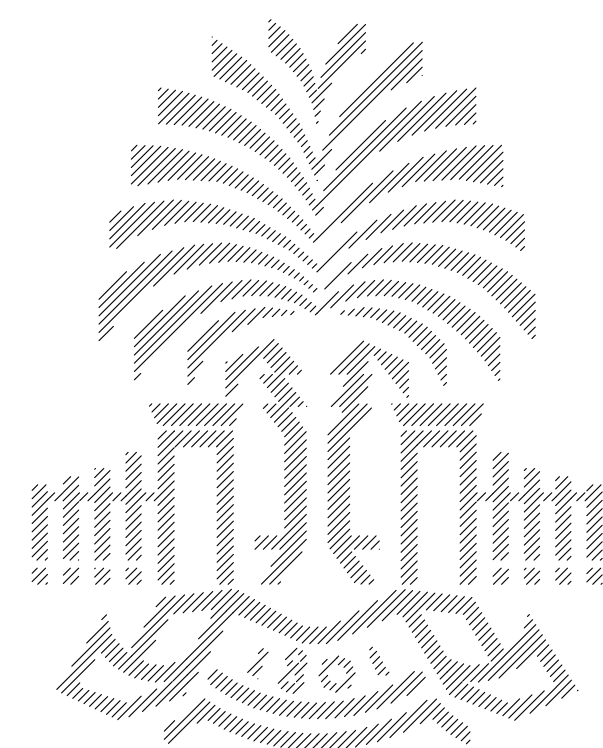
FAX

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
cfdgkoon@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 PAVER
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.
- 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
2. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45079C0094H, DATED FEBRUARY 20, 2002, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
4. 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.)

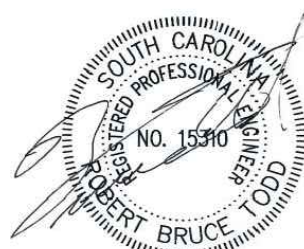
14. REMOVE EXISTING BOLLARDS (4) INDICATED AND ASSOCIATED CHAINS. DELIVERS BOLLARDS TO USC.
15. RELOCATE EXISTING LIGHT POLE EAST OF PROPOSED SIDEWALK IMPROVEMENTS. COORDINATE WITH SHEET C2.1 AND ELECTRICAL PLANS.
16. REMOVE EXISTING "NO PARKING" SIGNS AND STORE FOR RE-INSTALLATION.
17. EXISTING PARKING 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'



Revisions	Date



5/6/16

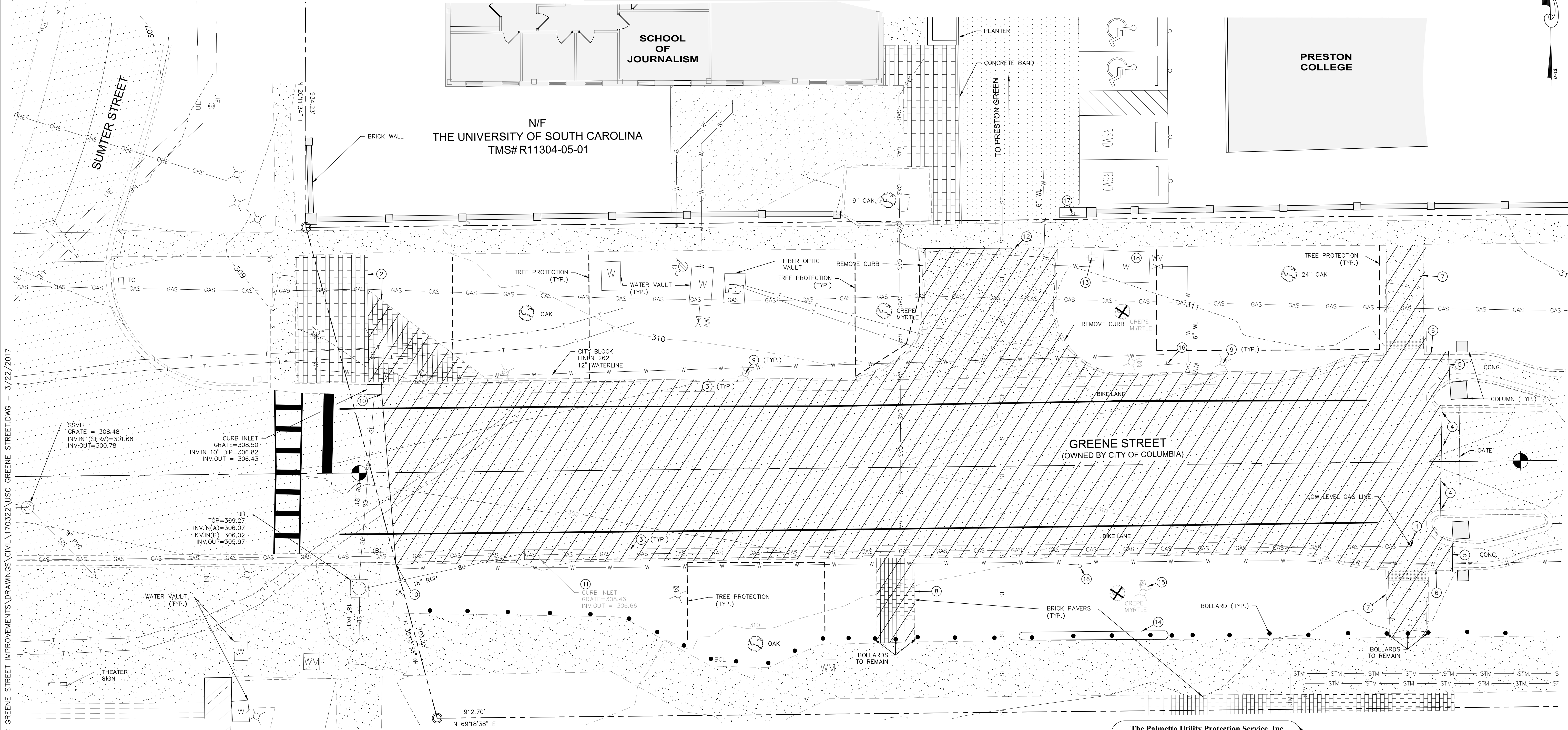
GREENE STREET PEDESTRIAN IMPROVEMENTS
EXISTING CONDITIONS AND DEMOLITION PLAN

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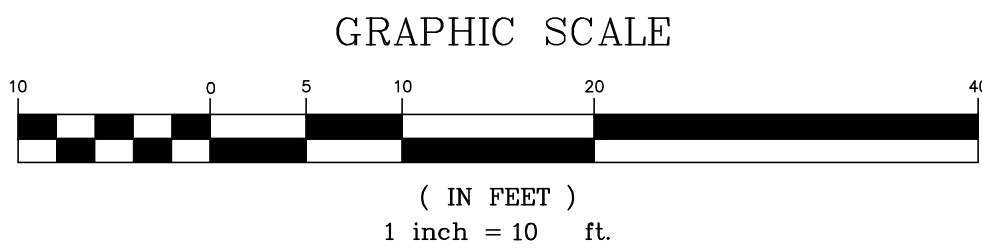
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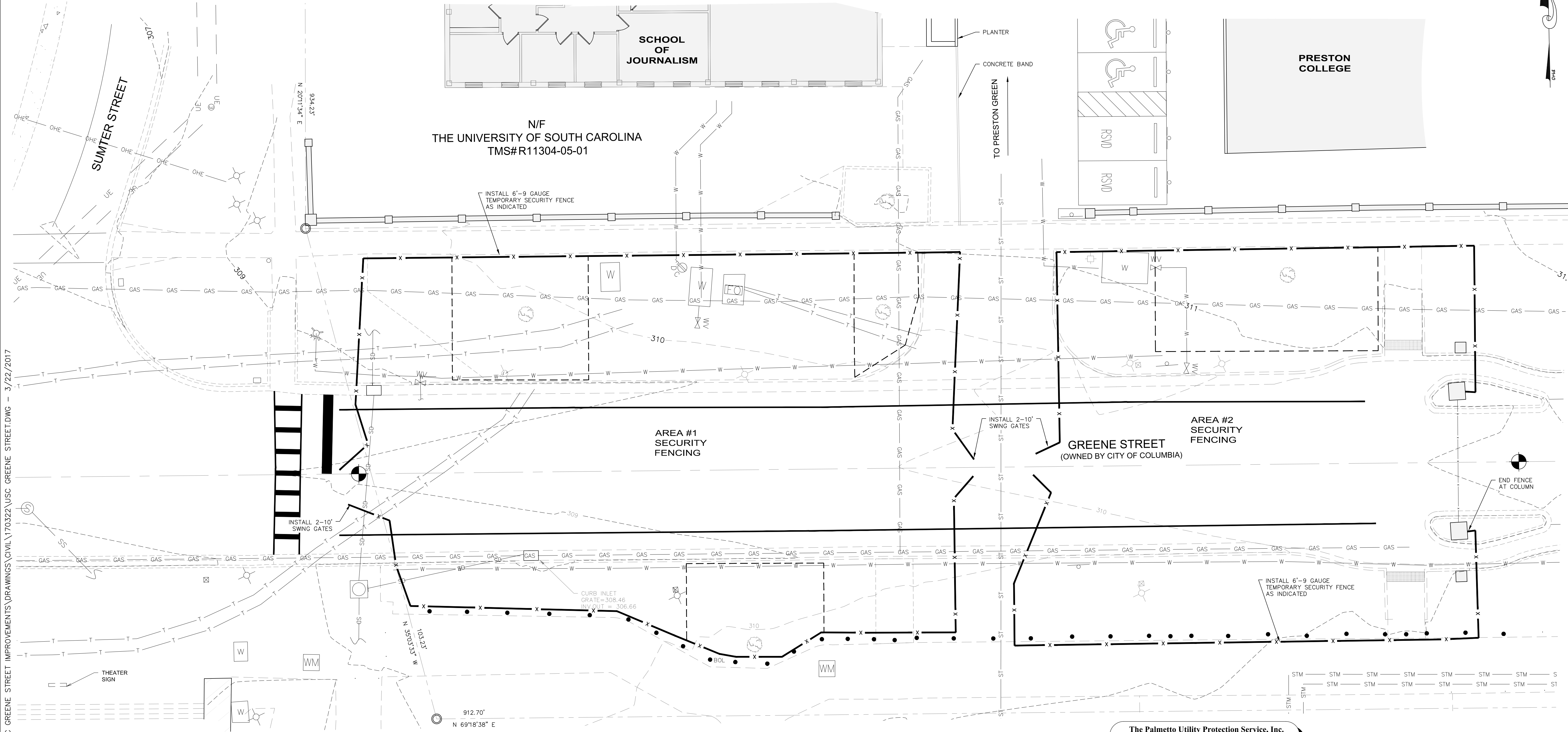
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Checked by:	RBT
Date:	3/23/17
Drawing No.	C1.1
Sheet No.	OF



The Palmetto Utility Protection Service, Inc.
810 Dorch Square Blvd., Suite 200 Columbia, South Carolina 29204 (803) 796-1177
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.



S:\PROJECTS\15444 USC GREENE STREET IMPROVEMENTS\DRAWINGS\CIVIL\170322\USC GREENE STREET.DWG - 3/22/2017



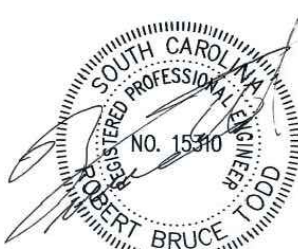
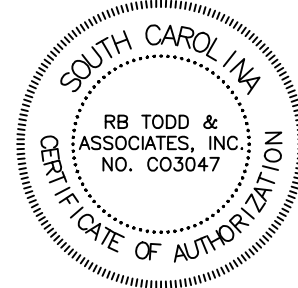
TRAFFIC CONTROL/SECURITY FENCE NOTES

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.



7486 Broad River Road, Suite 212
Juno, S.C. 29665
Tel. 803.781.3141
Fax. 803.781.3142
www.rbtodd.com

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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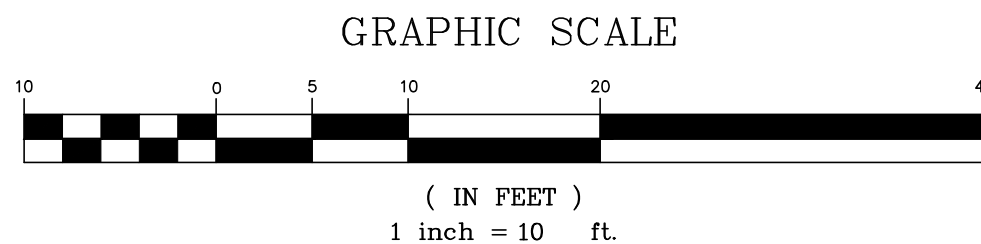
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South Carolina 811
Call 811 Before you Dig

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
		KEY NOTE REFERENCE
N/A		BOLLARDS
		BIKE LANE STRIPING

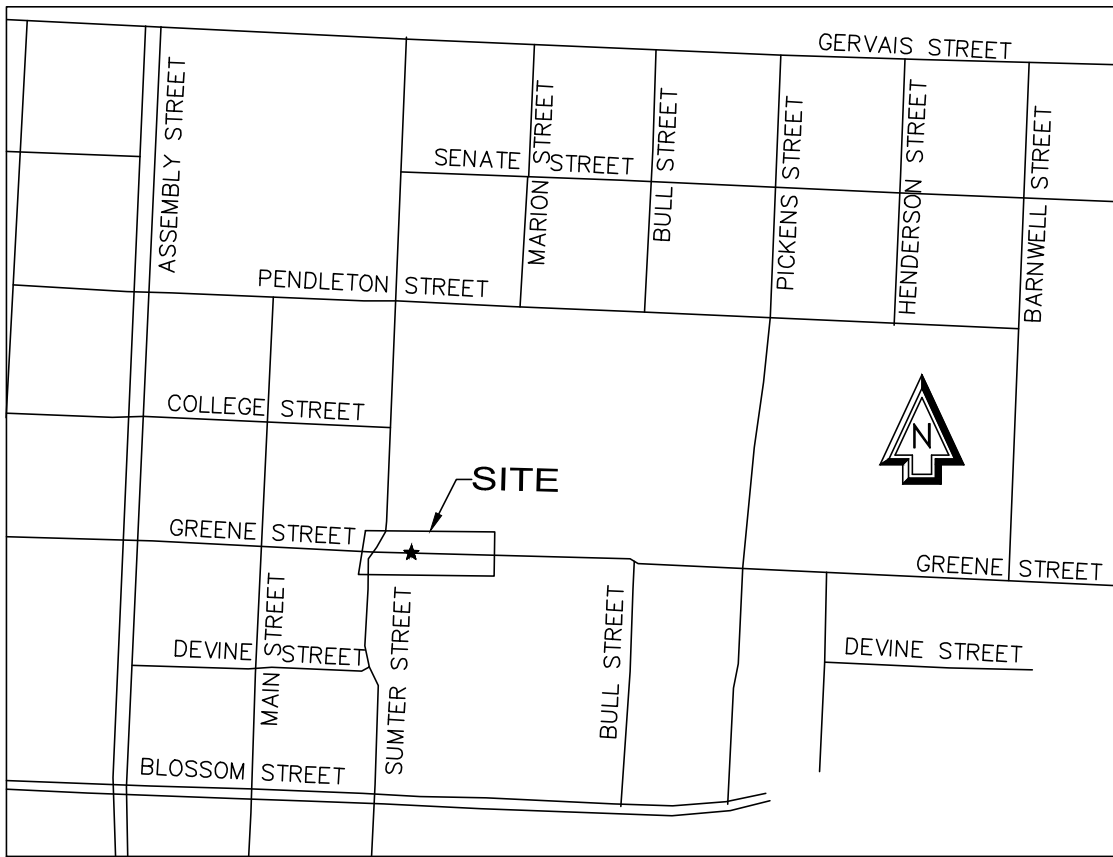
Point Table			
Point #	Raw Description	Northing	Easting
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2	RADIUS	786981.9704	1991138.4932
3	RADIUS	787062.4202	1991181.7843
4	RADIUS	787024.7853	1991225.3905
5	RADIUS	787012.0922	1991136.1796
6	RADIUS	786937.0922	1991136.1491

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.

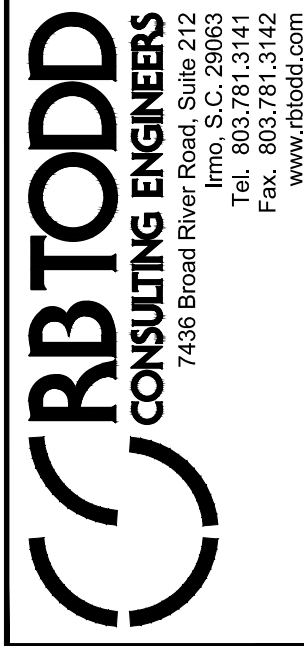
KEY NOTES

- 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

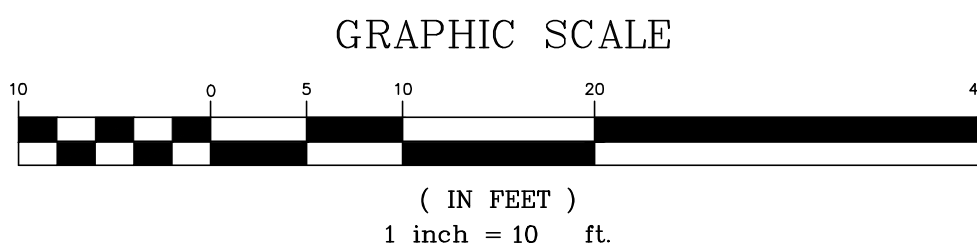
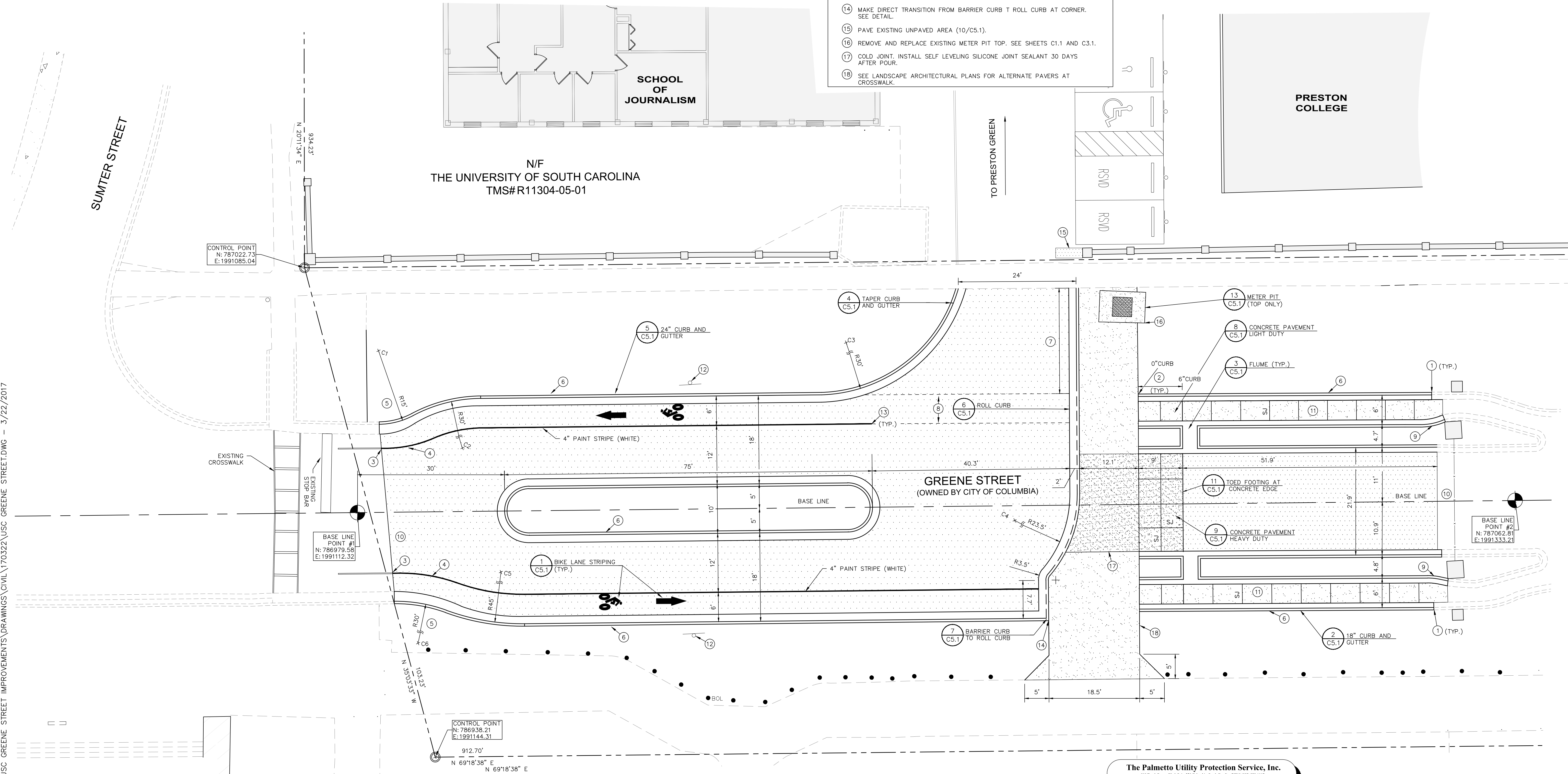
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LANDSCAPE ARCHITECTS & LAND PLANNERS

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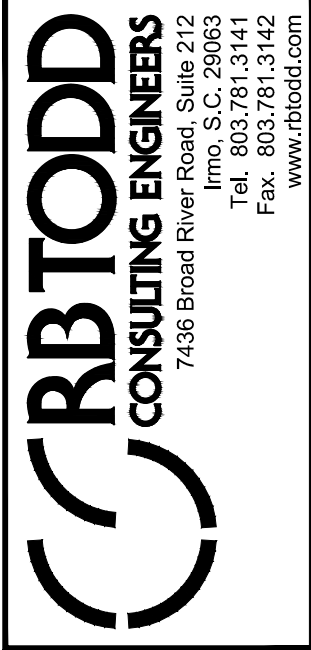
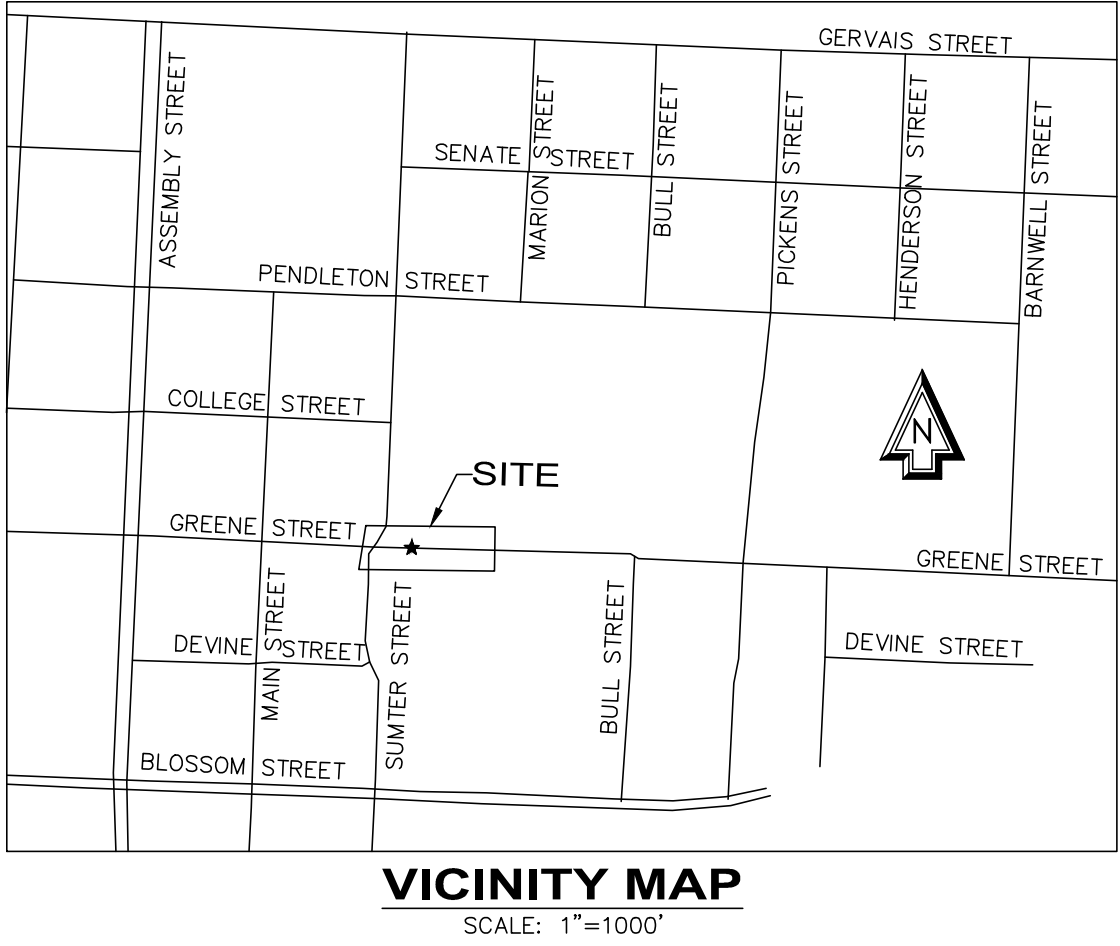
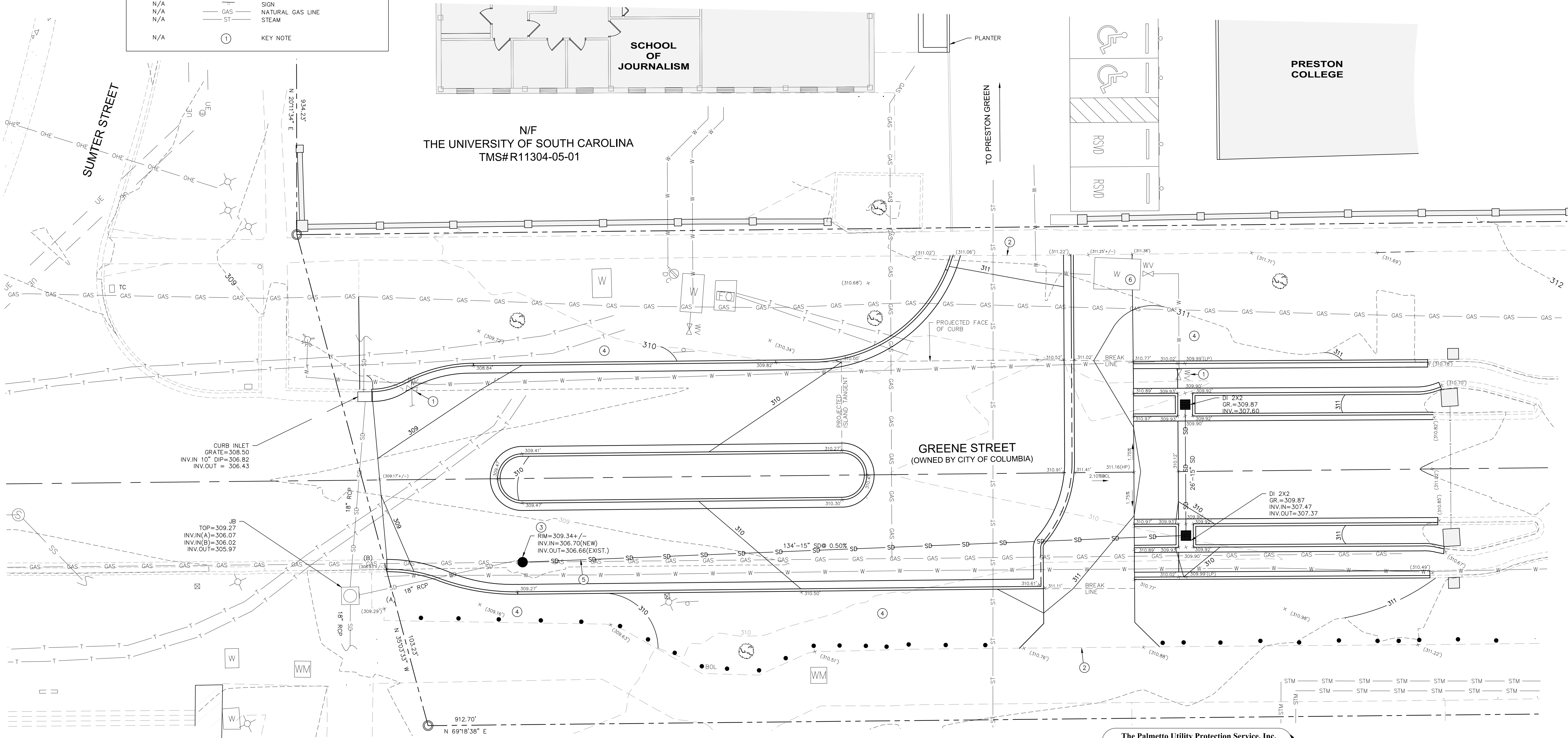
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Checked by:	RBT
Date:	3/23/17
Drawing No.	C2.1
Sheet No.	OF



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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



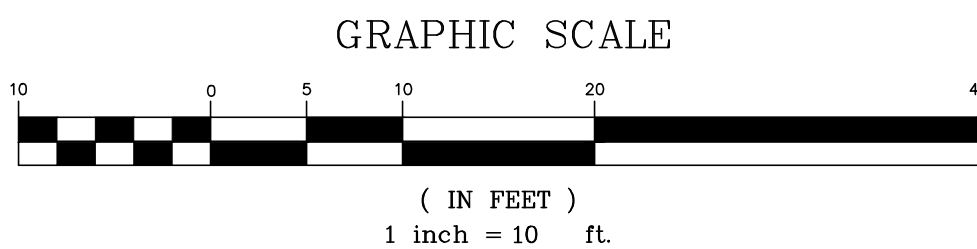
5/6/16

GREENE STREET PEDESTRIAN IMPROVEMENTS
GRADING PLAN

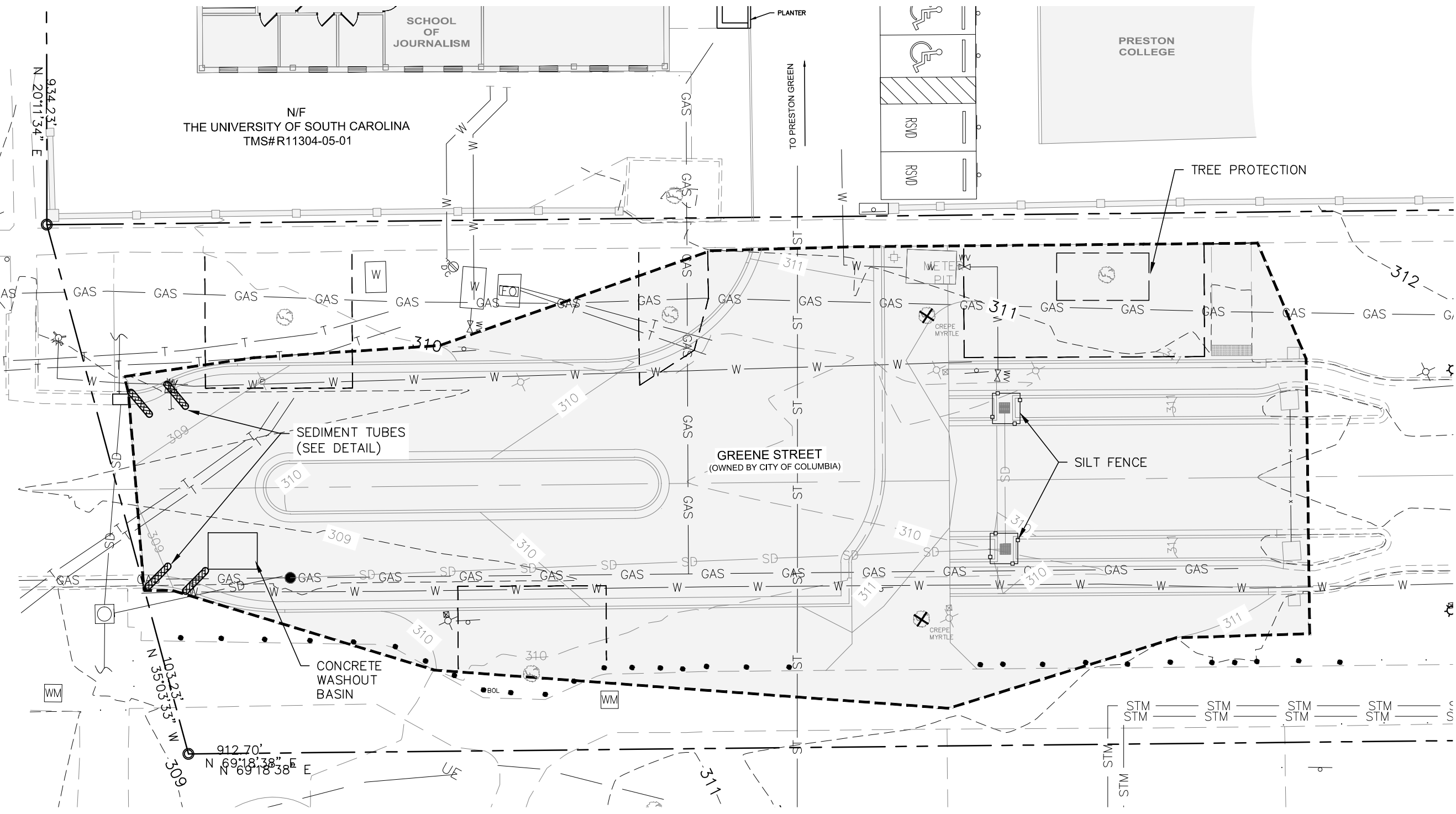
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MATERIALS
USE FILTER FABRIC THAT CONFORMS TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION). REFER TO THE SILT FENCE GEOTEXTILE FABRICS APPROVAL SHEET #34.

- 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.

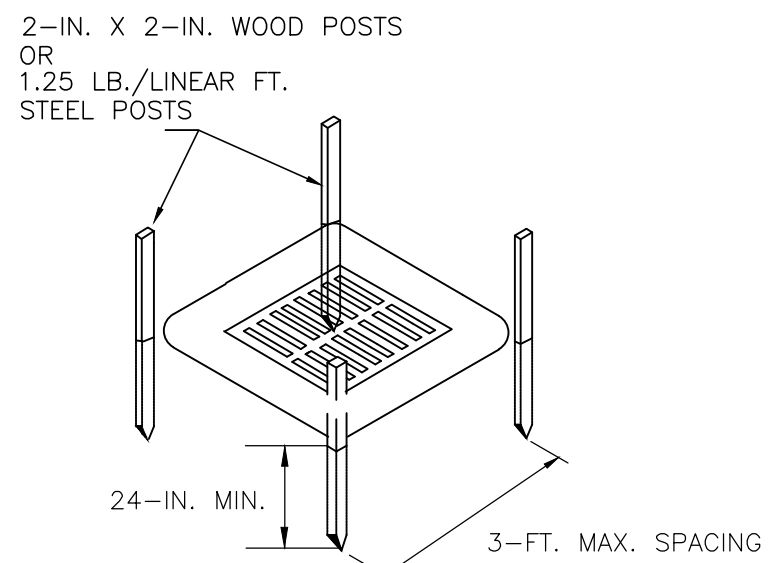
USE STEEL POSTS WITH A MINIMUM POST LENGTH OF 60-INCHES CONSISTING OF STANDARD "T" SECTIONS WITH A WEIGHT OF 1.25 POUNDS PER FOOT (±8%). INSTALL THE FILTER FABRIC TO A MINIMUM HEIGHT OF 24-INCHES ABOVE GRADE. SPACE THE STEEL POSTS AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3-FEET APART AND DRIVE 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.

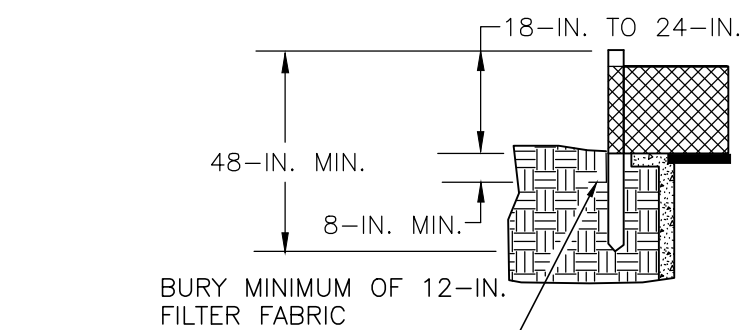
ATTACH AT LEAST FOUR (4) EVENLY SPACED TIES IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, AFFIX TIES IN NO LESS THAN FOUR (4) PLACES.

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.

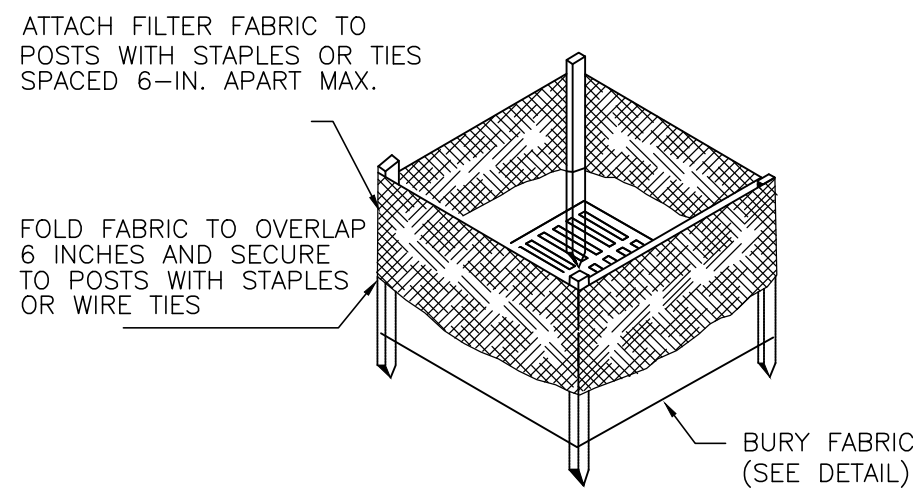
STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. USE APPROPRIATE PERMANENT STABILIZATION METHODS TO STABILIZE BARE AREAS AROUND THE INLET.



POST INSTALLATION DETAIL



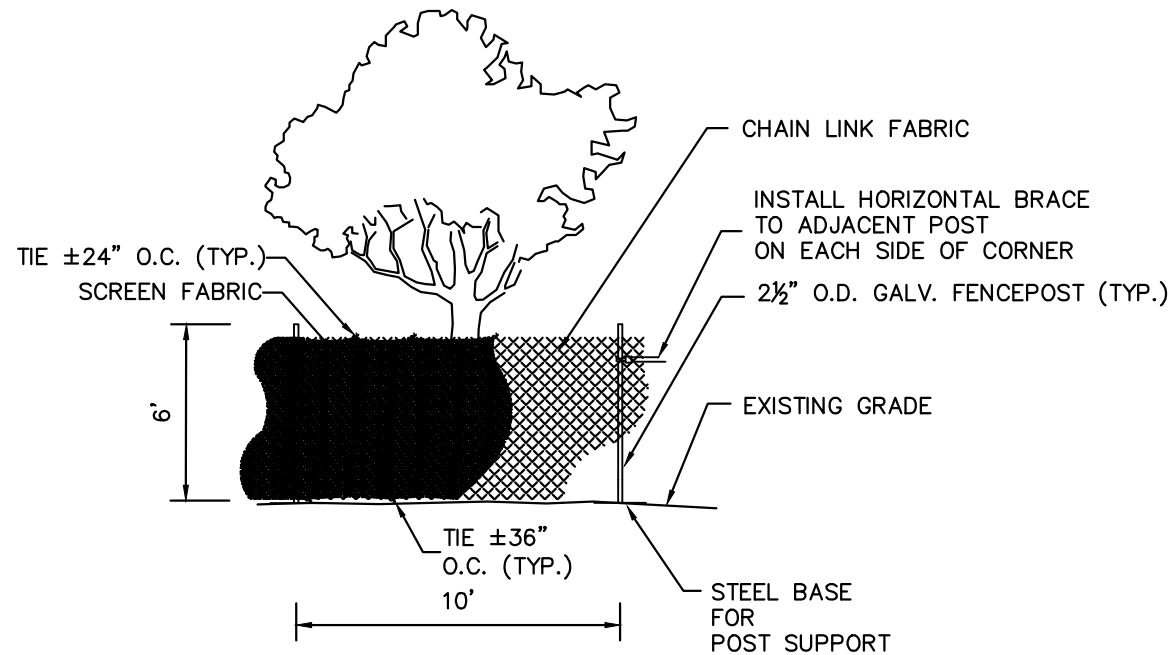
FILTER FABRIC BURIAL DETAIL



FILTER FABRIC INSTALLATION DETAIL

TYPE A - FILTER FABRIC 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
[Signature]
SIGNATURE OF SWPPP PREPARER
B. I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.
I HEREBY CERTIFY THAT ALL LAND-DISTURBING CONSTRUCTION AND ASSOCIATED ACTIVITY PERTAINING TO THIS SITE SHALL BE ACCOMPLISHED PURSUANT TO AND IN KEEPING WITH THE TERMS AND CONDITIONS OF THE APPROVED PLANS AND SPECIFICATIONS. I ALSO CERTIFY THAT A RESPONSIBLE PERSON WILL BE ASSIGNED TO THE PROJECT FOR DAY-TO-DAY CONTROL. I HEREBY GRANT AUTHORIZATION TO THE DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL AND/OR THE LOCAL IMPLEMENTING AGENCY THE RIGHT OF ACCESS TO THE SITE AT ALL TIMES FOR THE PURPOSE OF ON-SITE INSPECTIONS DURING THE COURSE OF CONSTRUCTION AND TO PERFORM MAINTENANCE INSPECTIONS FOLLOWING THE COMPLETION OF THE LAND-DISTURBING ACTIVITY. (SEE SECTION 122.22 OF S.C. REG. 61-9 FOR SANITARY AUTHORITY INFORMATION.)
Thomas N. O'Neil P.E.
PRINTED NAME OF PROJECT OWNER/OPERATOR
[Signature]
SIGNATURE OF PROJECT OWNER/OPERATOR
TITLE/POSITION

APPLICANT'S CERTIFICATION STATEMENT

(WE) HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE URGENT TO THIS PLAN.
161 May 2016
APPLICANT

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

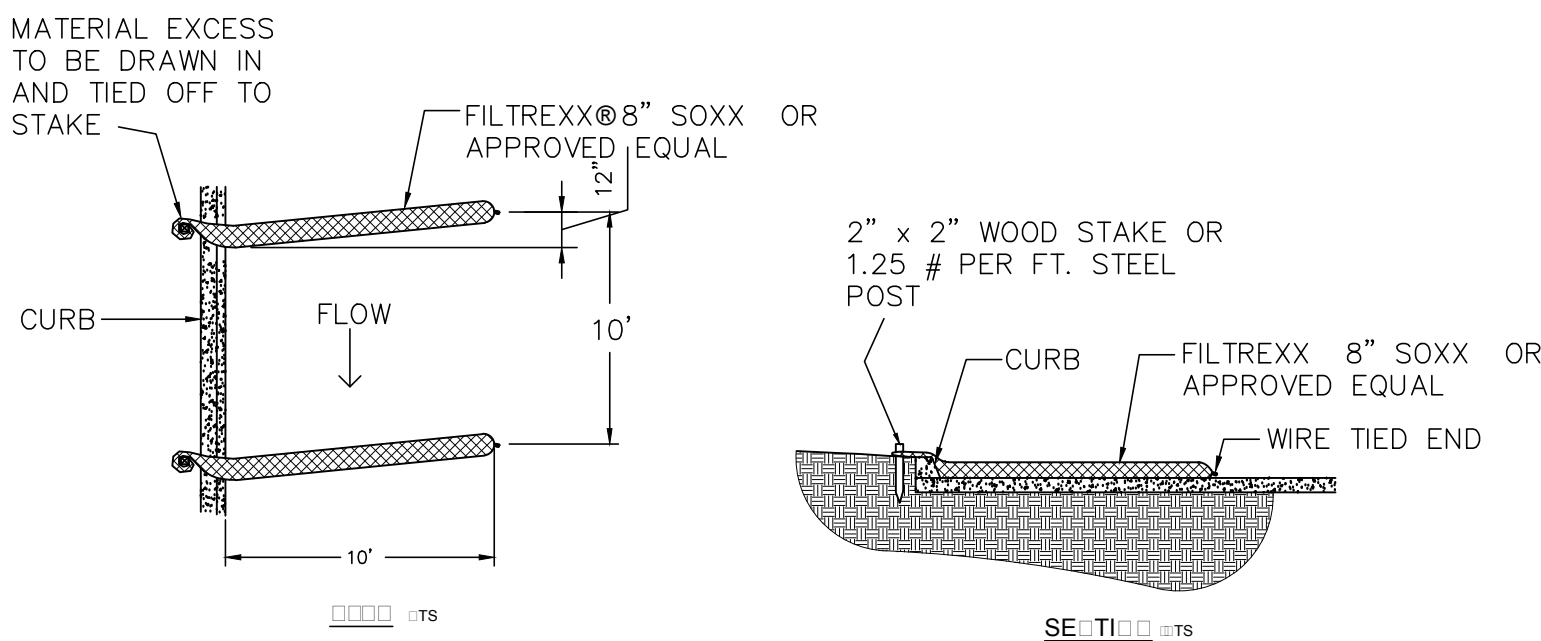
THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS OUTLINED IN THE SOUTH CAROLINA DIECH STORMWATER MANAGEMENT BMP HANDBOOK AS NEEDED TO CONTROL AIRBORNE DUST DURING CONSTRUCTION. COORDINATE WITH ENGINEER PRIOR TO IMPLEMENTATION OF VARIOUS MEASURES.

PREDOMINANT SOIL TYPE

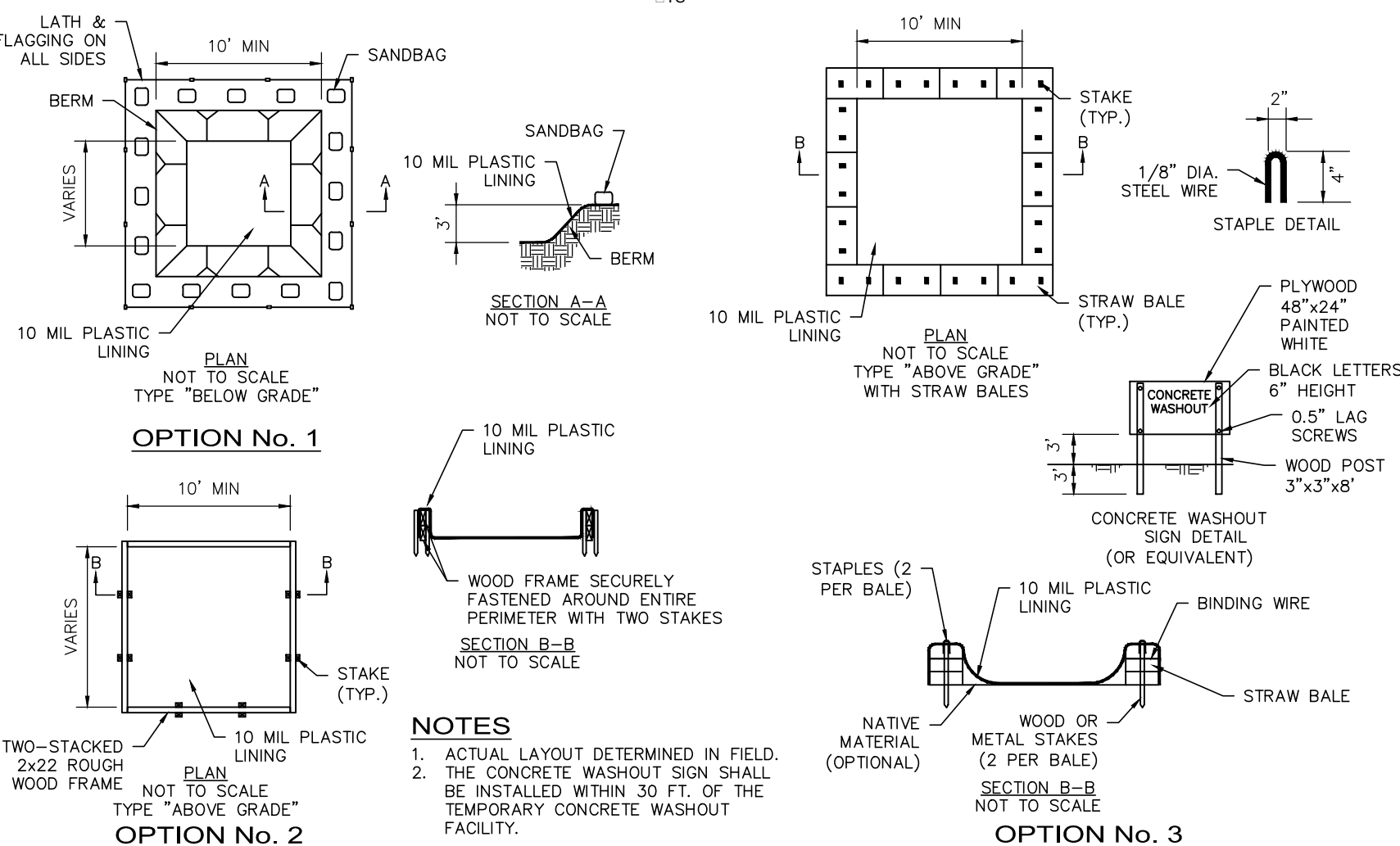
URBAN LAND U_r

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 GRASSING, 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".

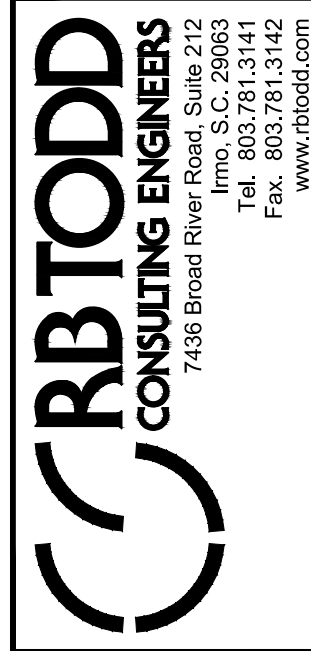
TEMPORARY DIVERSIONS

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.

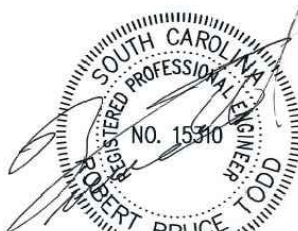
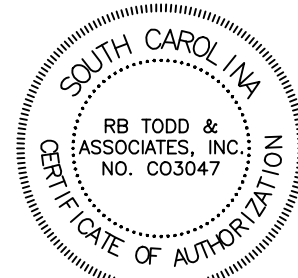
TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO PREVENT FLOW OF STORMWATER OVER DISTURBED AREA. TEMPORARY DIVERSION OUTLETS SHALL HAVE ADEQUATE CAPACITY AND TERMINATE INTO DENSE VEGETATION, ROCK RIPRAP, STORM STRUCTURES, OR SIMILAR MEASURES TO REDUCE EROSION AT THE OUTLET. TEMPORARY DIVERSION 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 SHOULD NOT 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

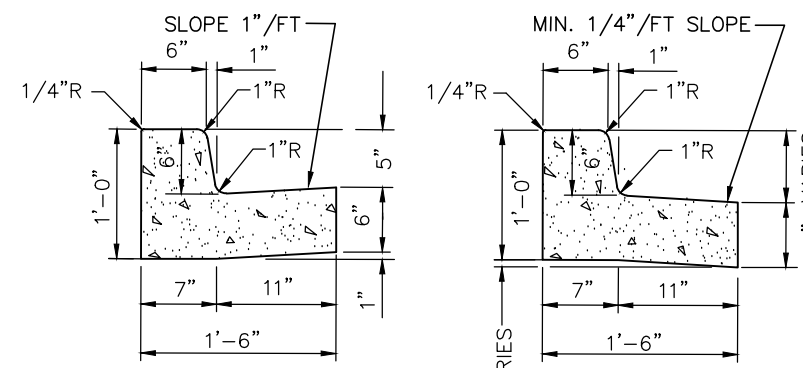
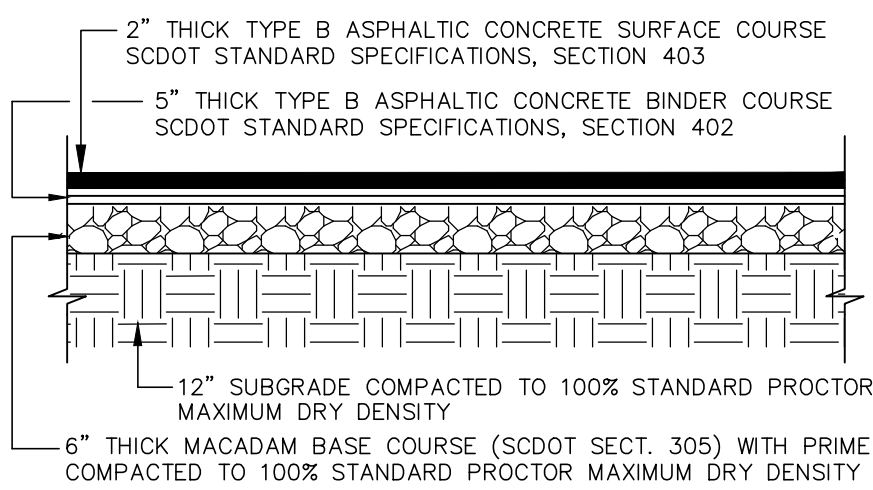
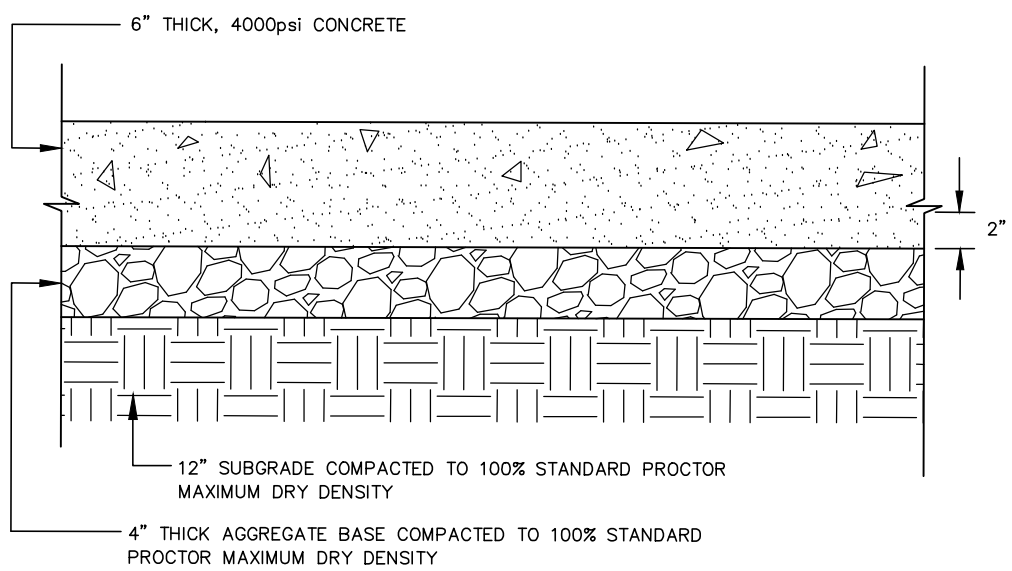
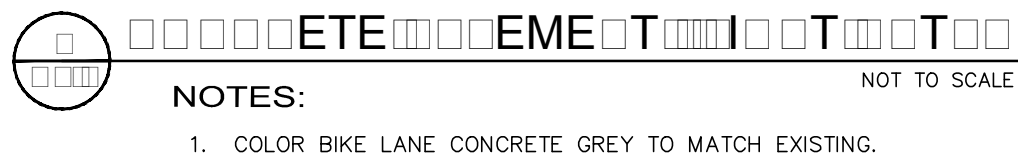
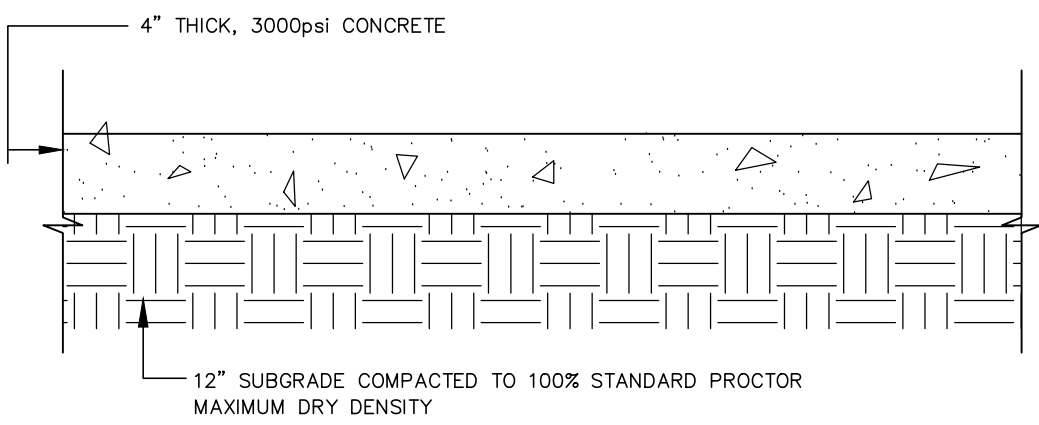
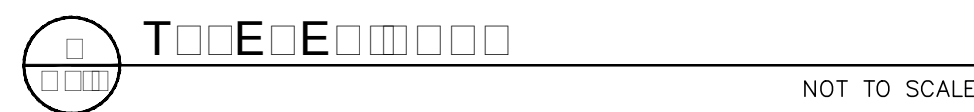
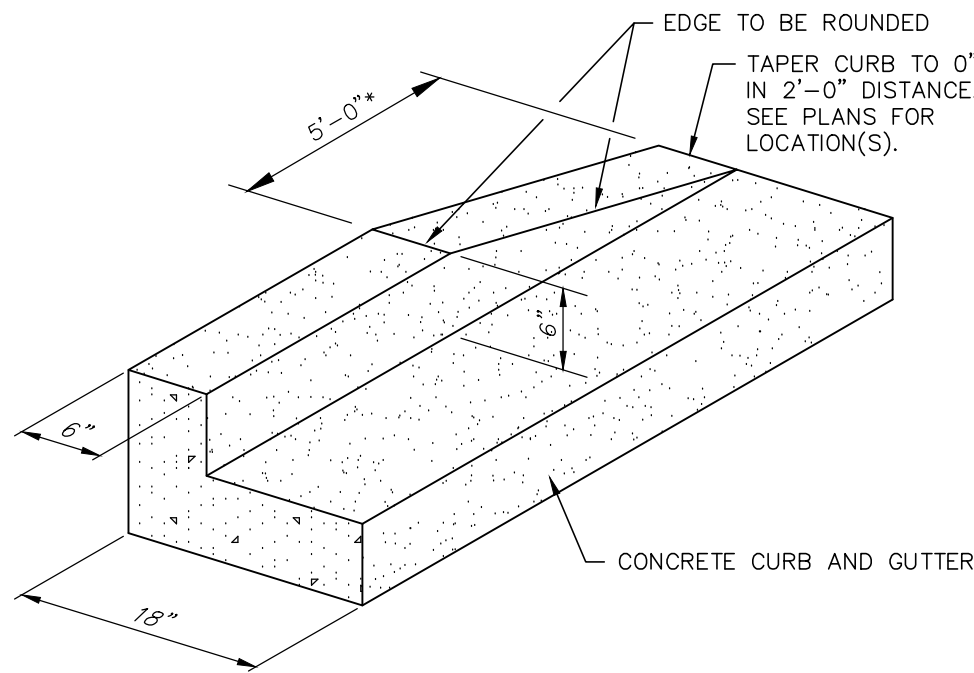
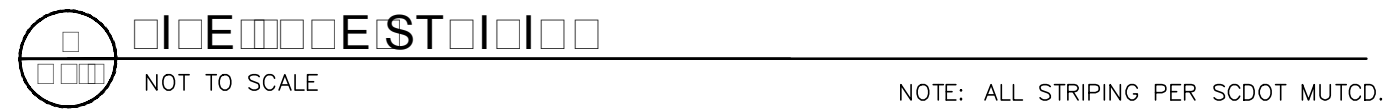
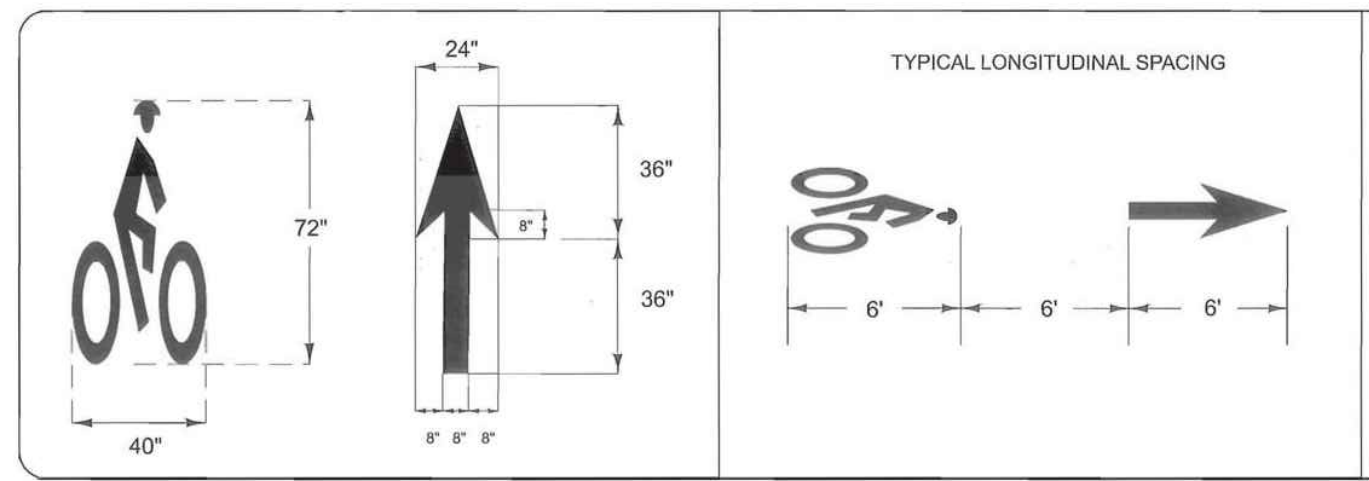
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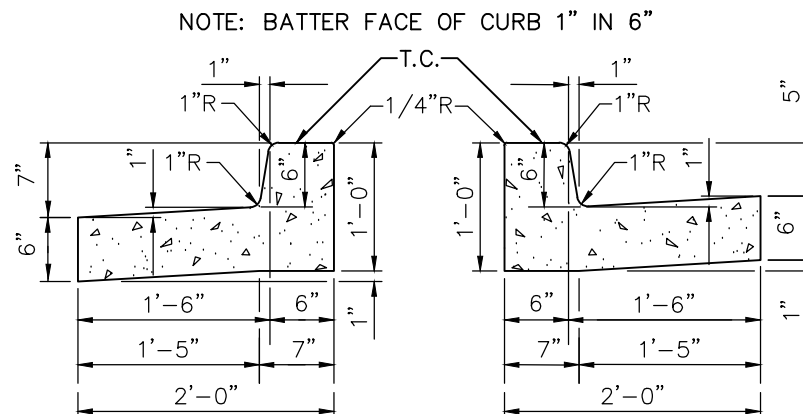
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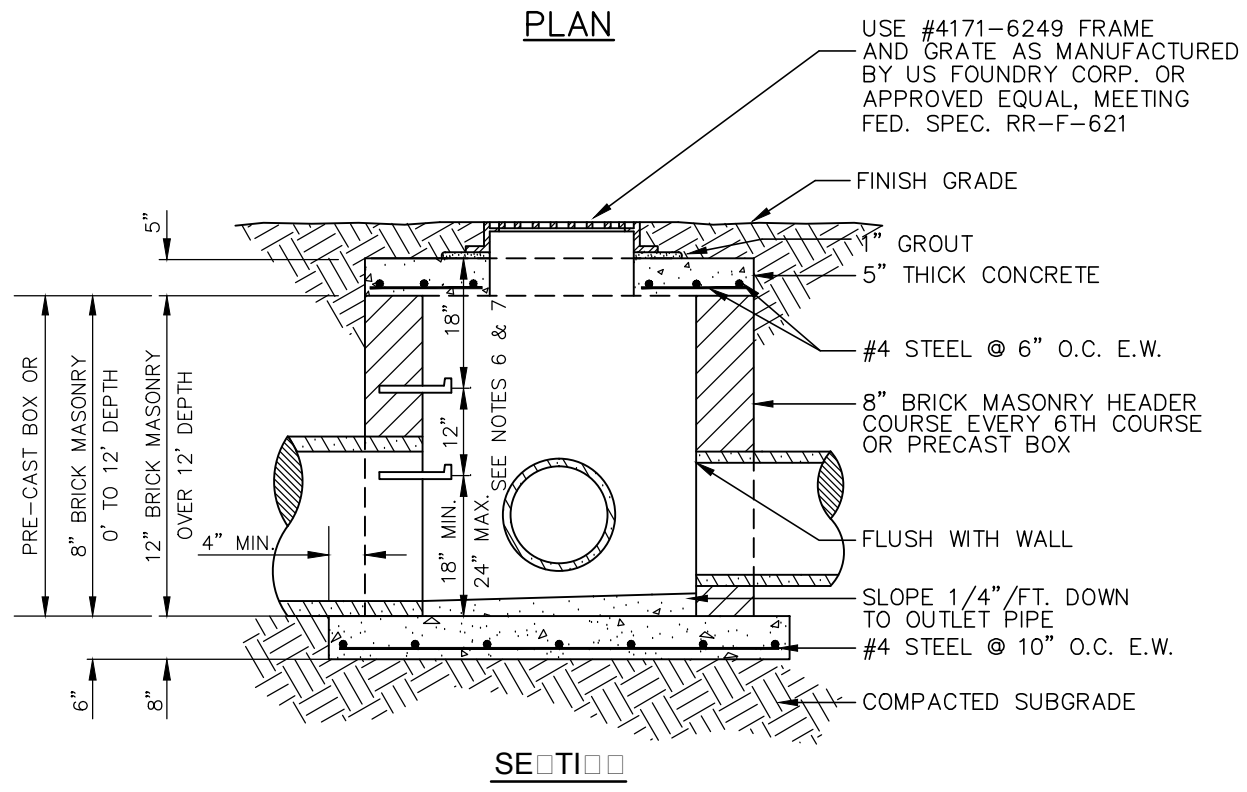
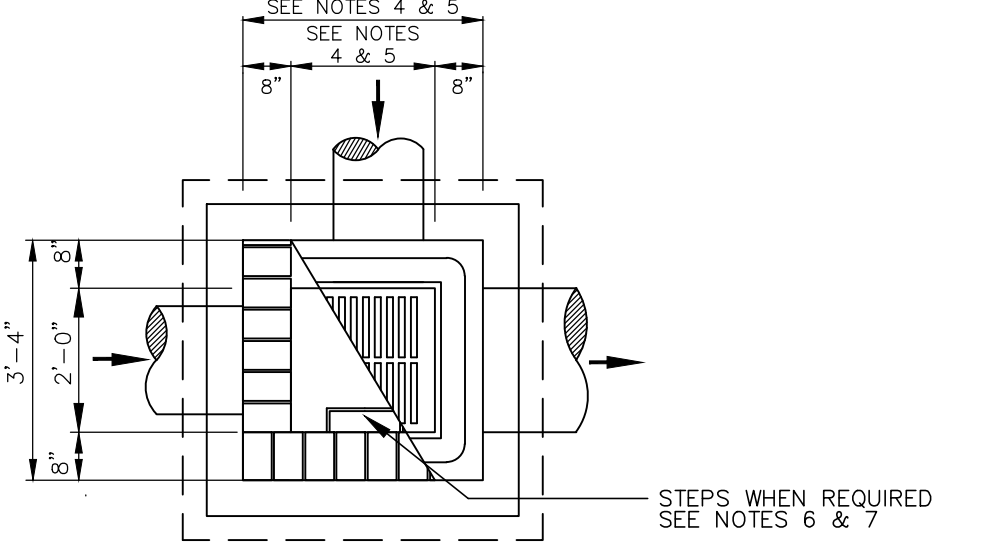
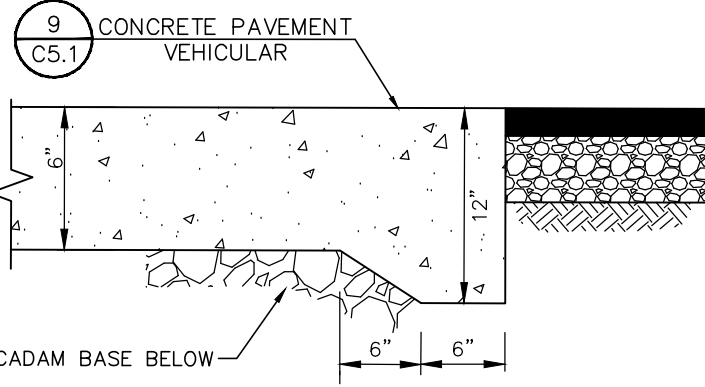
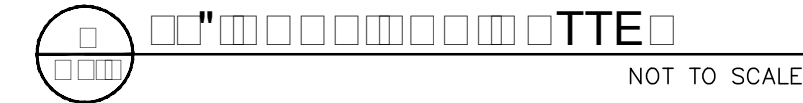
NORMAL GUTTER PITCHED GUTTER

- NOTES:
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.

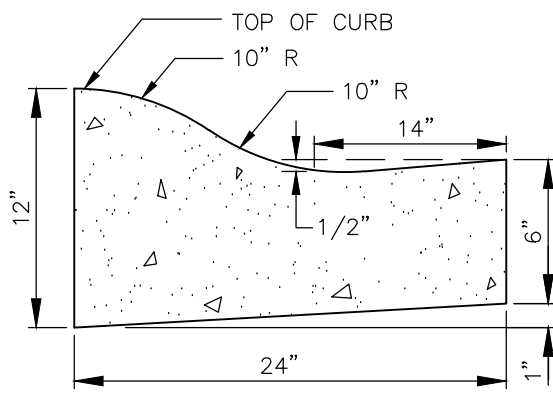
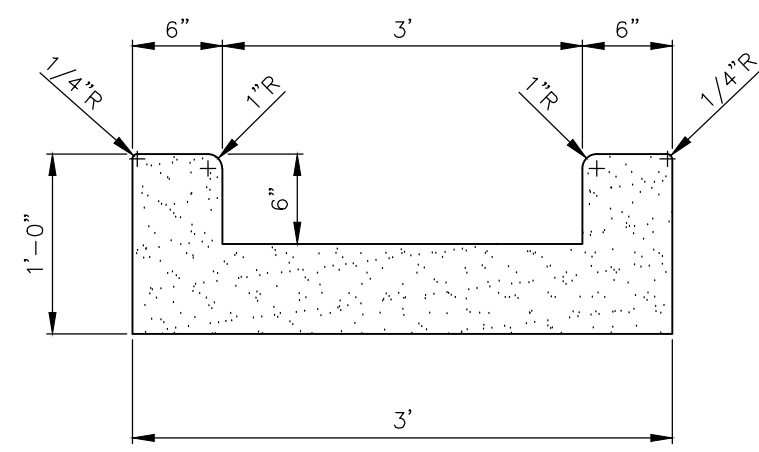
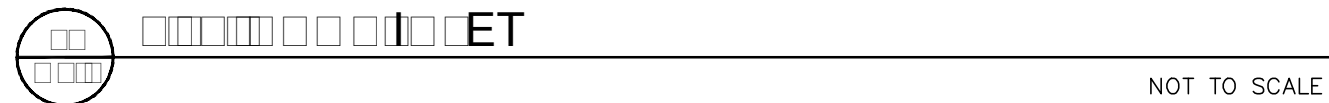


PITCHED GUTTER NORMAL GUTTER

- NOTES:
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.

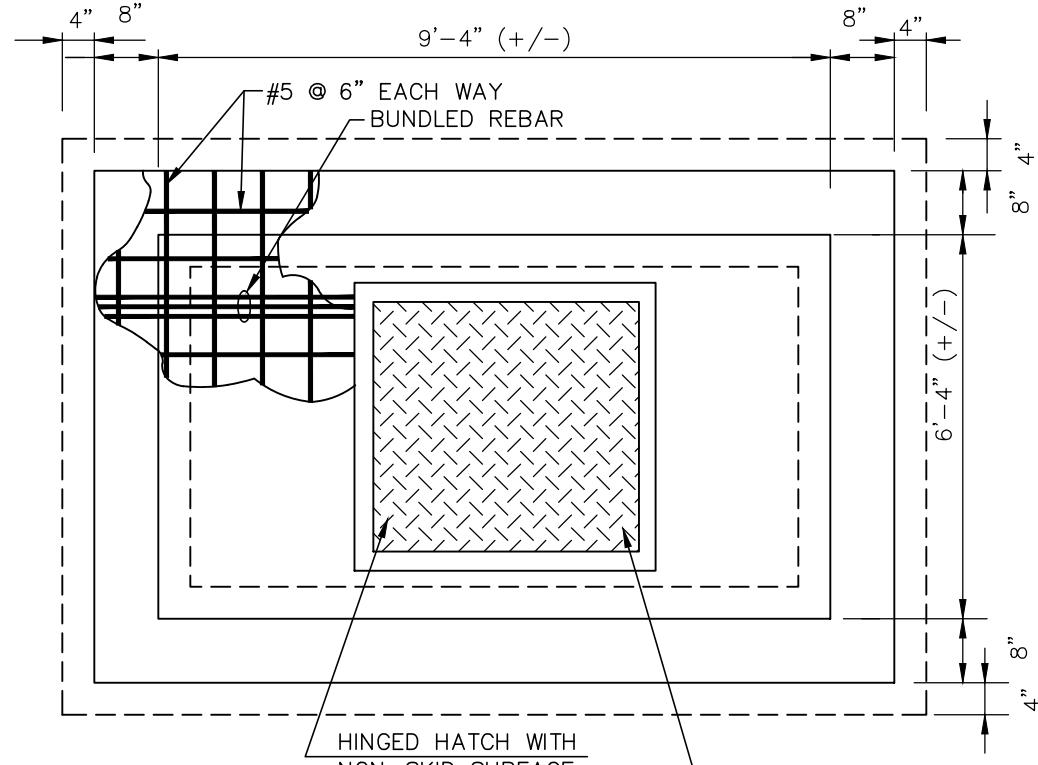
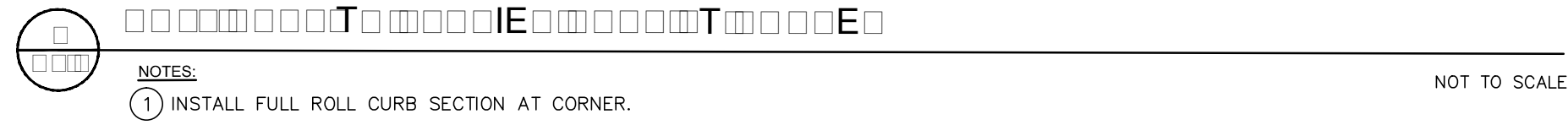
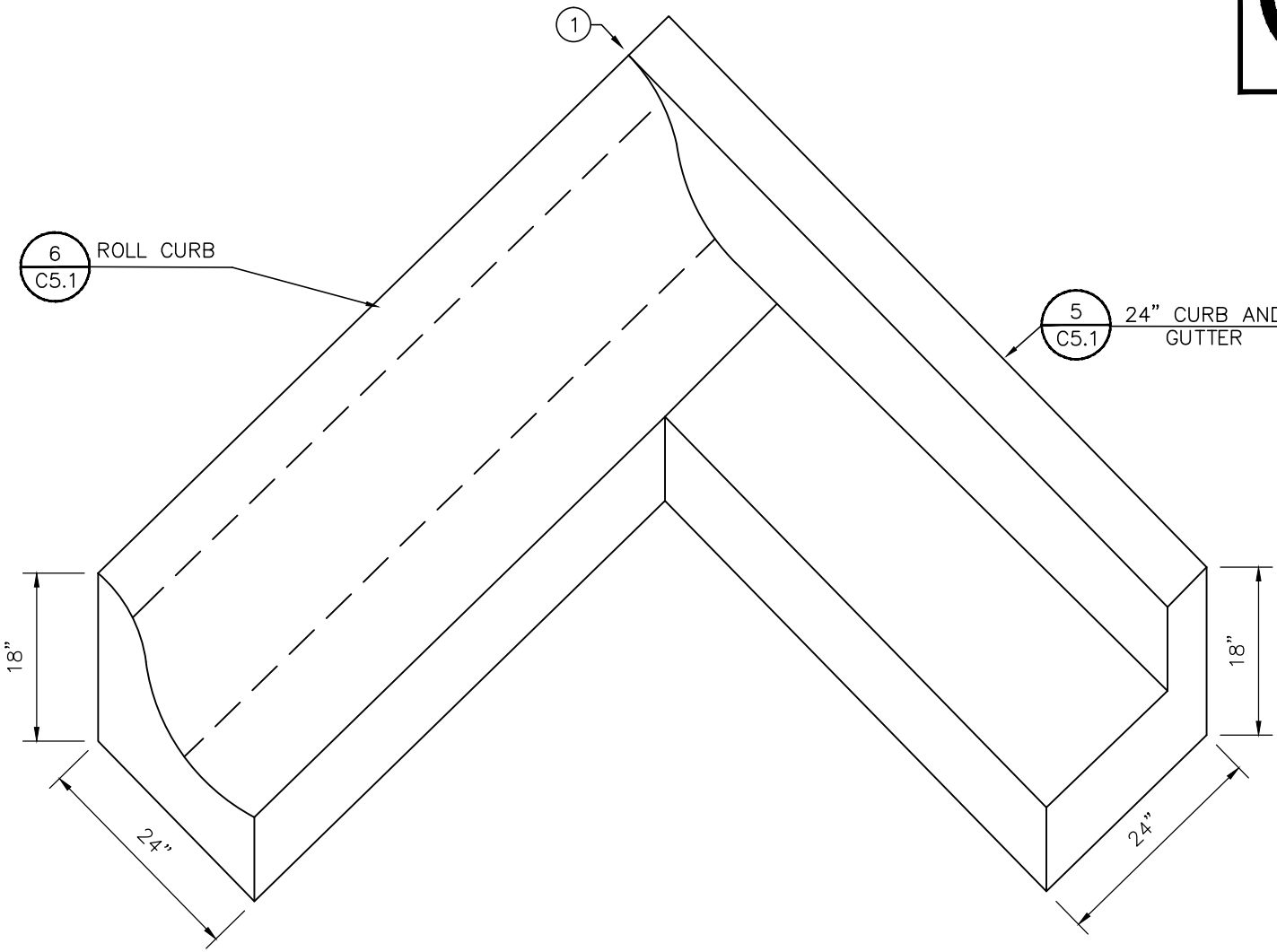
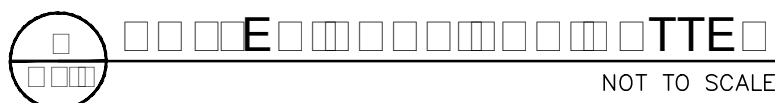


- NOTES:
1. ALL CONCRETE SHALL BE 3,000 PSI.
 2. ENDS OF ALL PIPES SHALL BE FLUSH WITH INSIDE WALL.
 3. ALL STEEL BARS SHALL BE PLACED 1-1/2" CLEAR FROM BOTTOM AND SIDES OF SLAB.
 4. FOR 15" - 24" I.D. PIPES USE 3" - 6" x 3" - 6" BOX.
 5. FOR PIPES OVER 24" I.D. BOX INSIDE DIMENSIONS SHALL BE PIPE O.D. + 6" EACH SIDE OF PIPE.
 6. STEPS CONFORMING TO ASTM C478 SHALL BE REQUIRED 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. WALL THICKNESS IS TO BE 12" IF BOX DEPTH EXCEEDS 12'-0".
 10. ALL MATERIALS AND CONSTRUCTION ARE TO COMPLY WITH SECTION 720 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 11. REINFORCED CONCRETE MAY BE SUBSTITUTED FOR BRICK WALLS. REINFORCING TO BE #4 BARS @ 12" E.W.

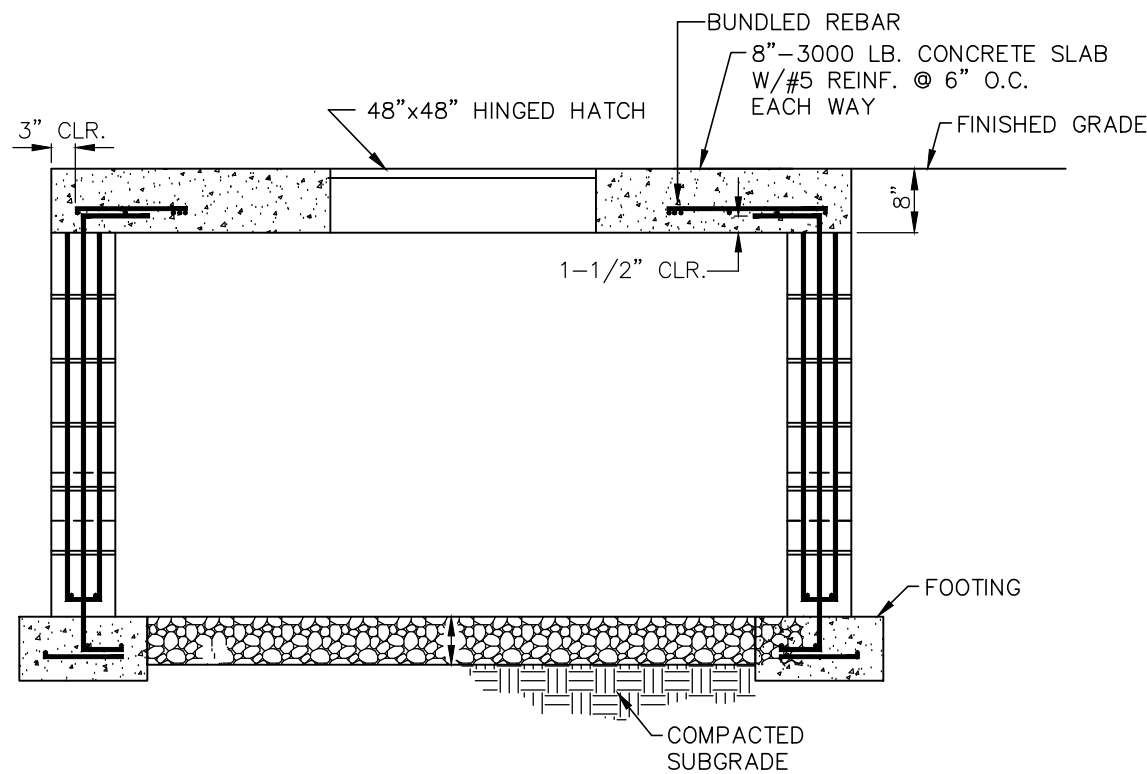


NOTES:

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.



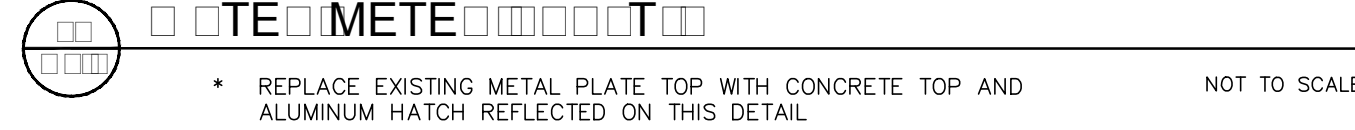
MODEL AHD (48"x48") AS MANUFACTURED BY USE FABRICATIONS, INC. (800-253-6873) OR APPROVED EQUAL.



METE

NOTES:

1. THE BOX COVER SHALL BE FLUSH WITH THE SURROUNDING GROUND SURFACE.



GREENE STREET PEDESTRIAN IMPROVEMENTS

DETAILS

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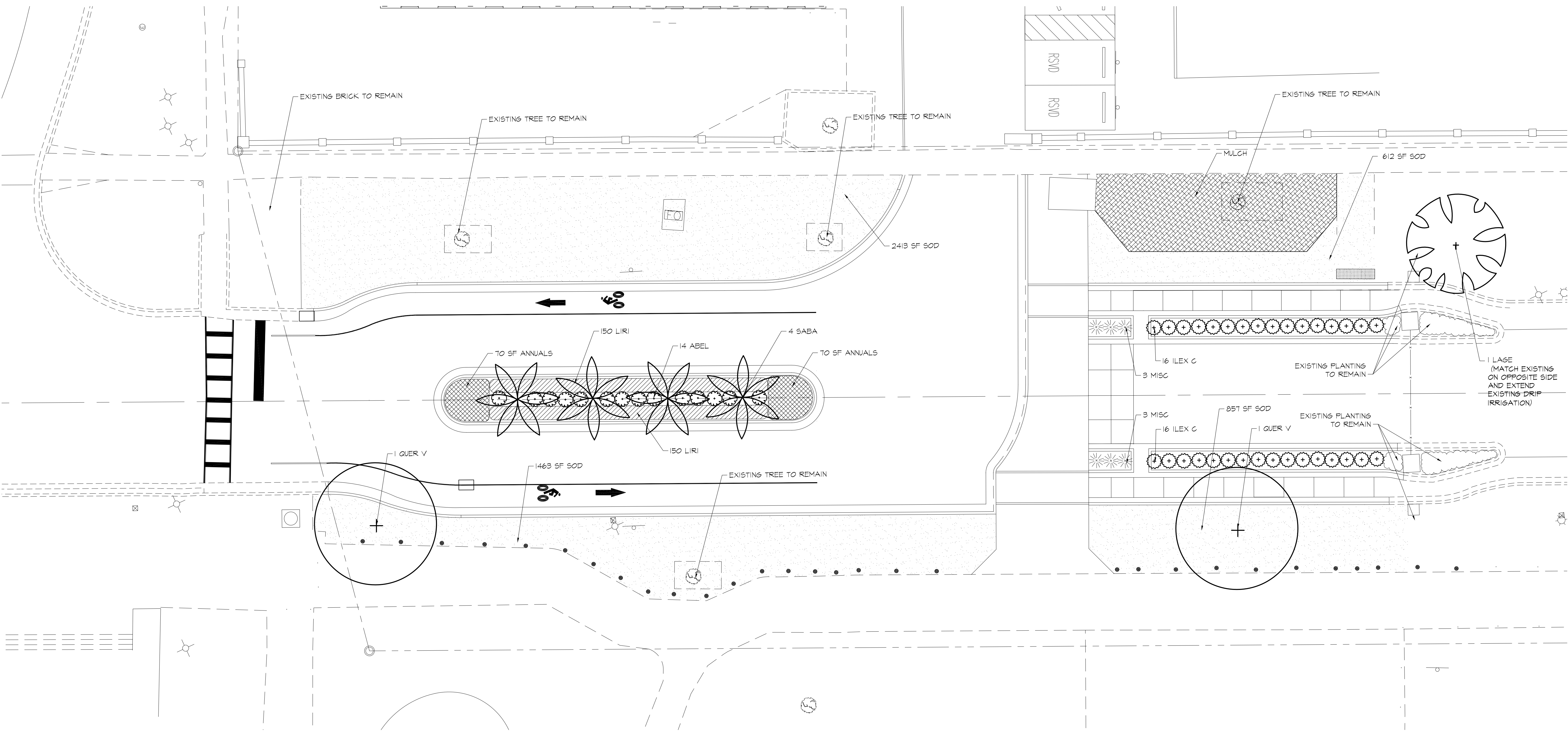
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Date

Revisions



BASE BID

FINISH GRADE WITH 1" HARDWOOD MULCH SPREAD
IN ALL PLANTING AND TURF AREAS

ALTERNATE #2

ALL OTHER PLANTING

PLANT LIST

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.	PLANT 3' O.C.	14
ILEX C	ILEX CORNUTA 'GARISSA'	GARISSA HOLLY			15"-18"	12"	3 GAL.	PLANT 3' O.C.	32
MISC	MISCANTHUS SINENSIS 'LITTLE KITTEN'	'LITTLE KITTEN' MAIDEN GRASS			18"	18"	3 GAL.	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	5,345 SF

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.
- 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 1-888-721-7811 AT LEAST 12 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- 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
PLANTING PLAN
(ALTERNATE #2)

GRIMBALL
& ASSOCIATES
COTTERILL

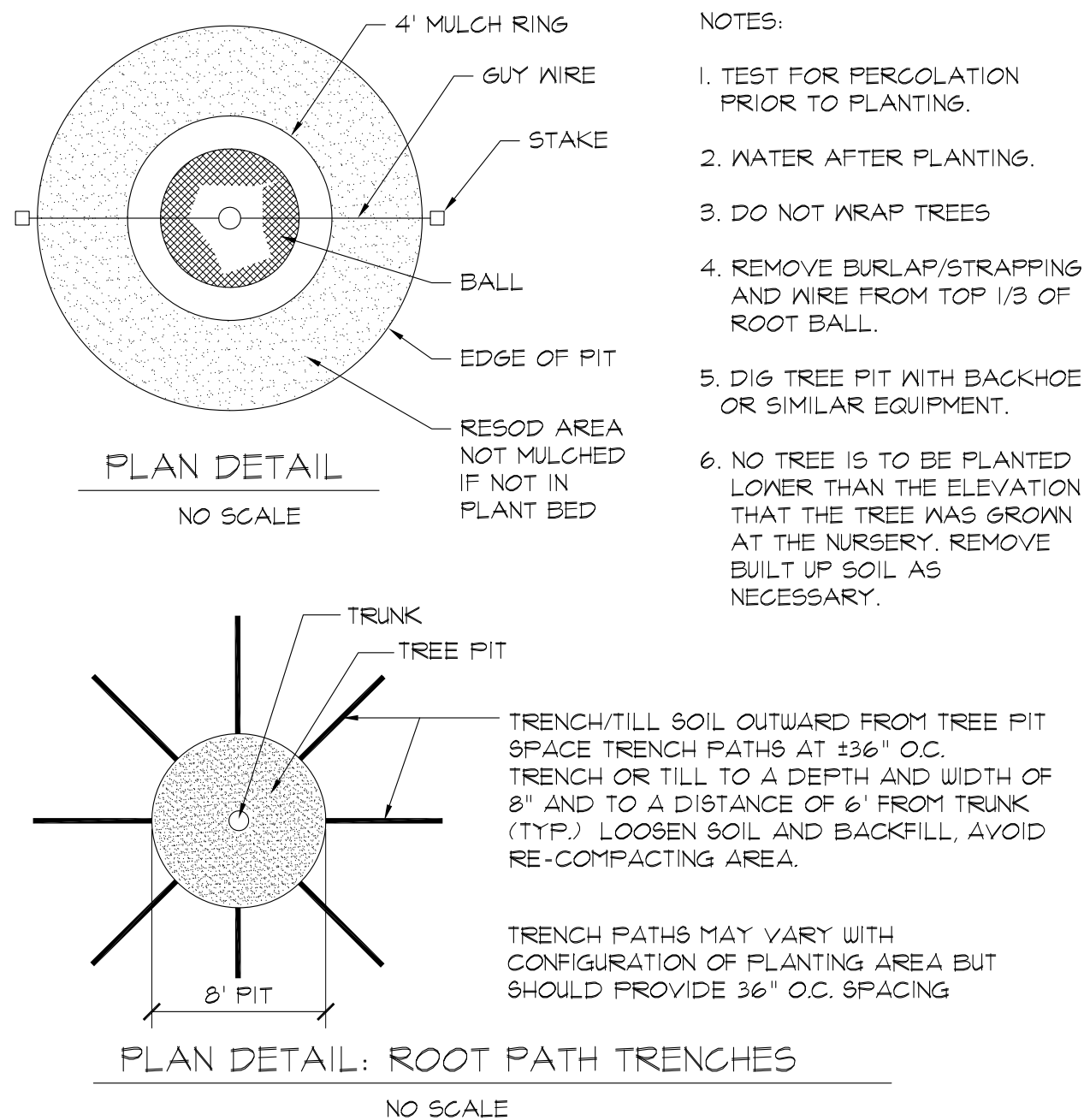
Drawn by: SKC

Checked by: TMC

Date: 3.23.17

Drawing No. 1

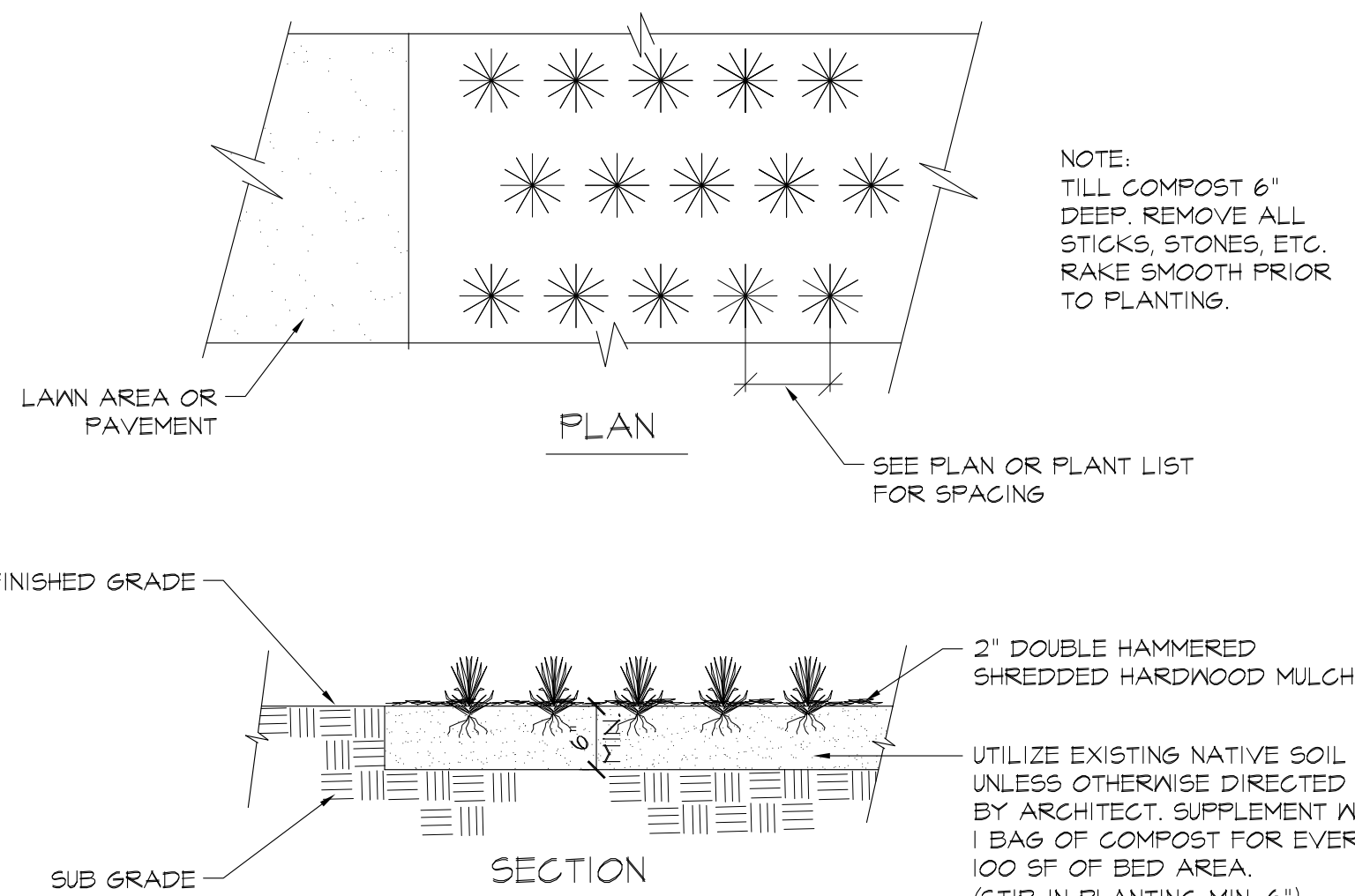
Sheet No. OF



A
L-2
SECTION

TREE PLANTING AND STAKING

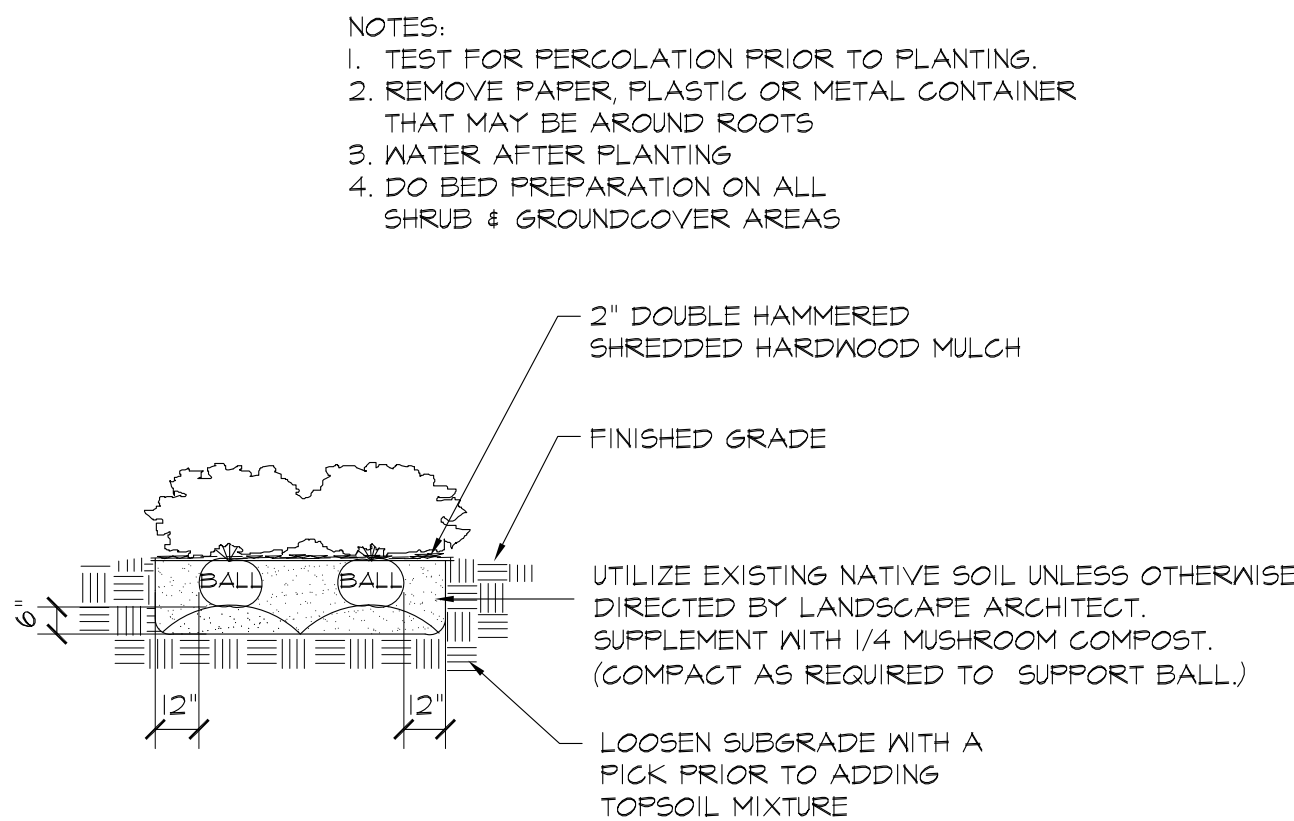
NOT TO SCALE



C
L-2
SECTION

TYPICAL GROUNDCOVER PLANTING

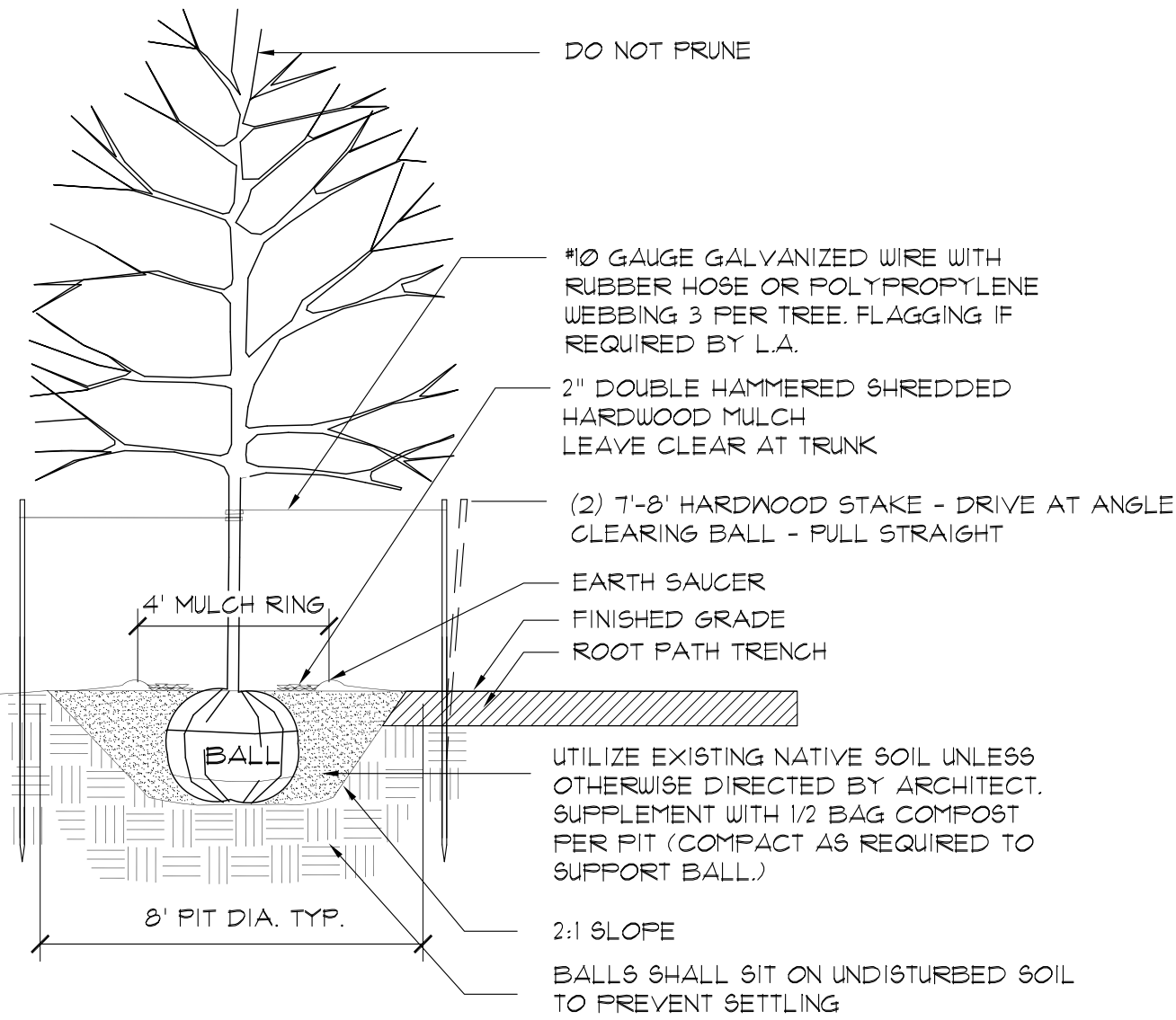
NOT TO SCALE



E
L-2
SECTION

SHRUB PLANTING

NOT TO SCALE



NOTES:
- PLANT SO THAT TOP OF ROOT BALL IS 1 1/2-2\"/>

B
L-2
SECTION

PALMETTO PLANTING

NOT TO SCALE

INSTRUCTIONS FOR PERFORMING A PERCOLATION TEST

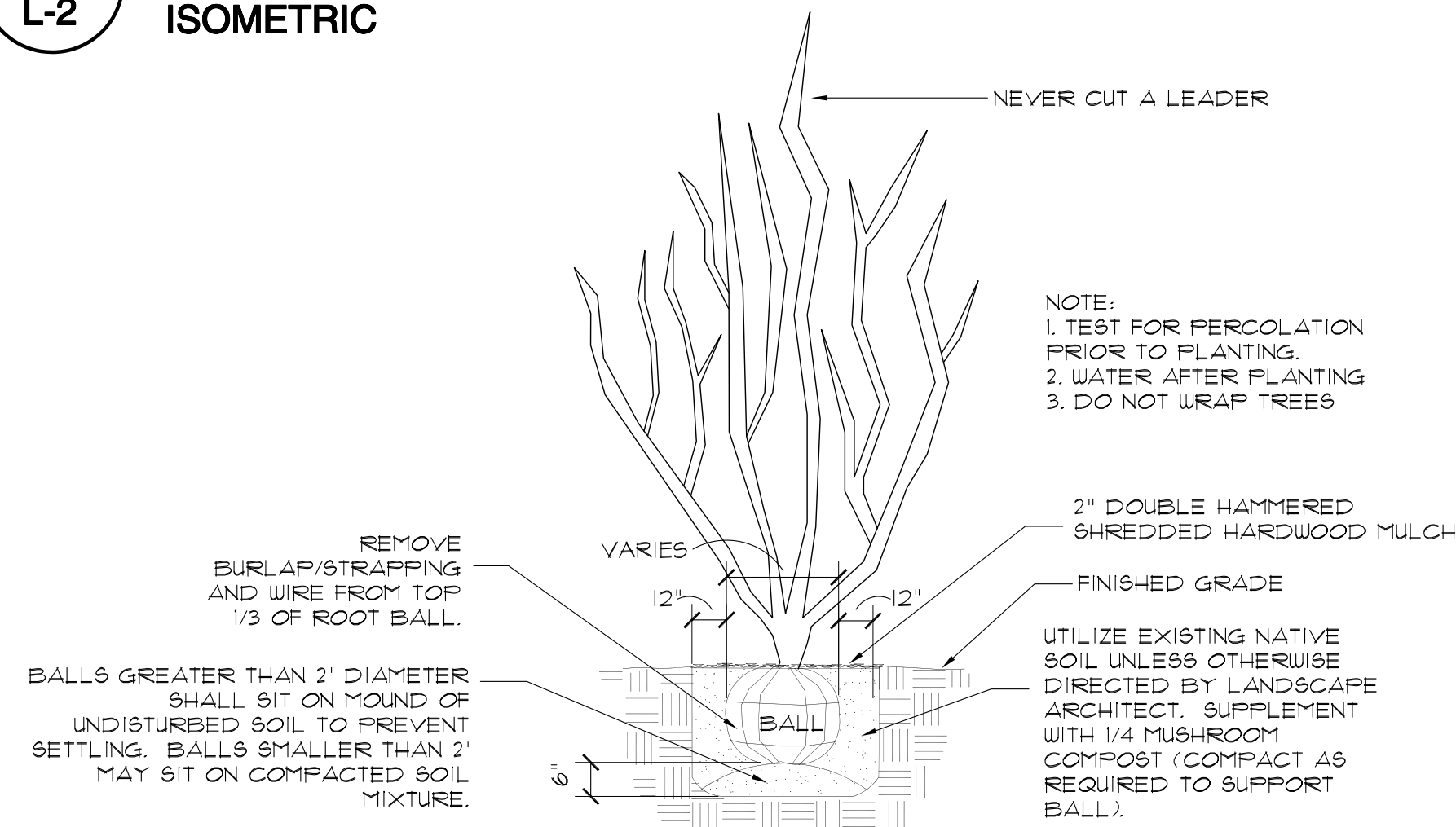
1. WITH A SHOVEL OR POSTHOLE DIGGER, DIG HOLE 18\"/>
2. FILL HOLE WITH WATER TO THE TOP AND LET STAND FOR AT LEAST AN HOUR TO PRE-WET THE SOIL.
3. REFILL HOLE TO WITHIN A COUPLE INCHES OF THE TOP. DON'T OVERFLOW THE HOLE.
4. TO AID IN MEASUREMENT, PLACE A STICK ACROSS THE TOP OF THE HOLE AND USE A RULER 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
SECTION

PERCOLATION TEST

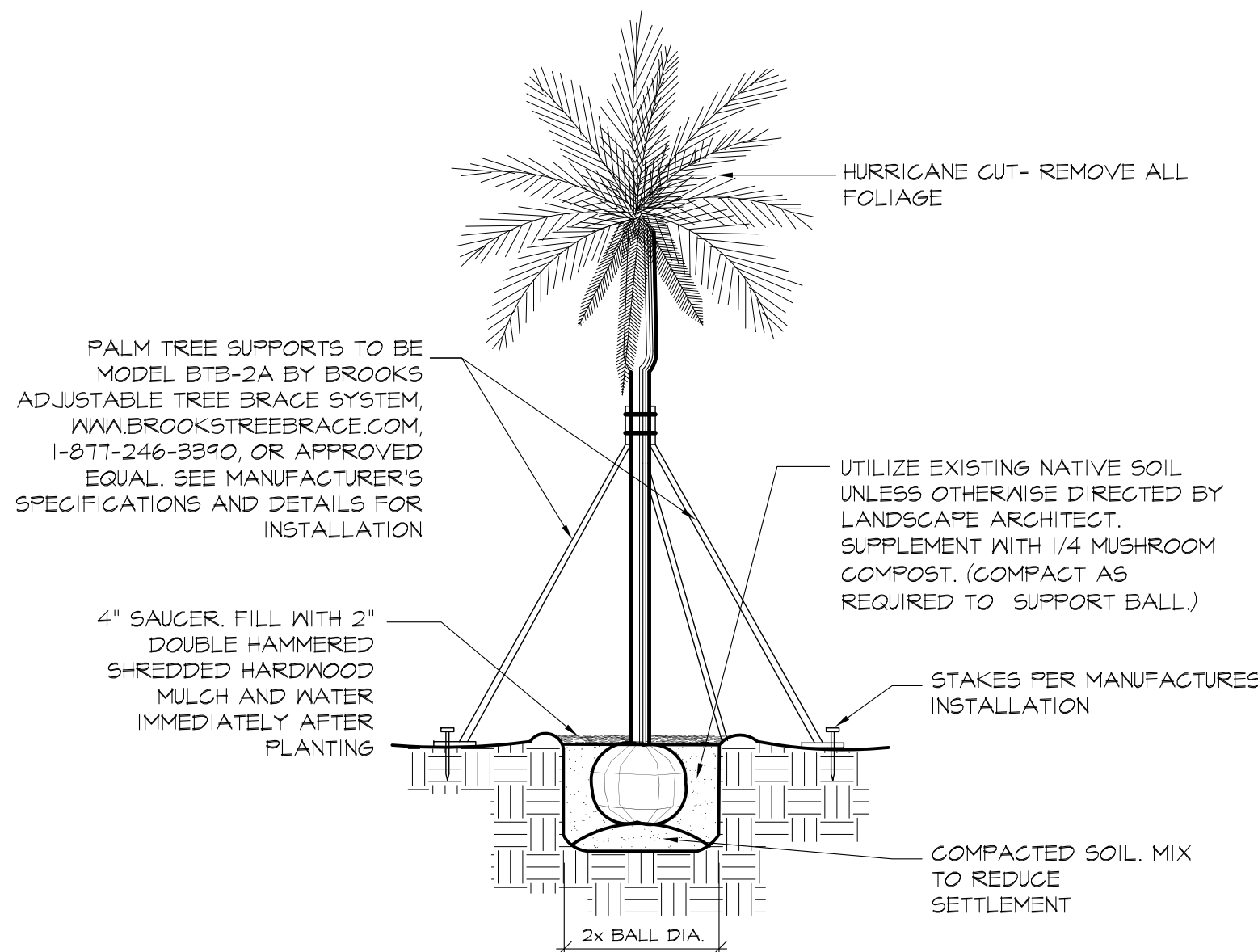
ISOMETRIC



F
L-2
SECTION

CRAPE MYRTLE PLANTING

NOT TO SCALE



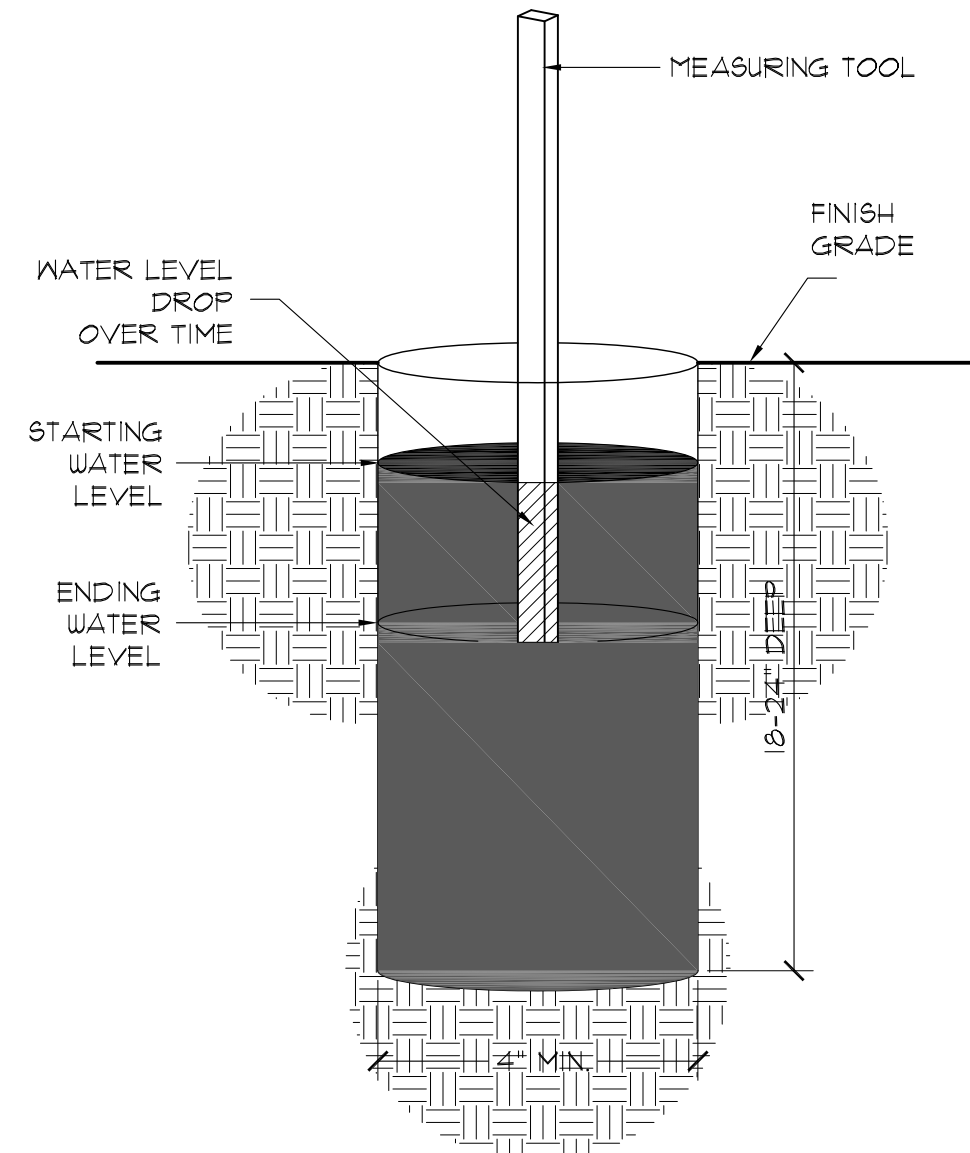
NOTES:
- PLANT SO THAT TOP OF ROOT BALL IS 1 1/2-2\"/>

B
L-2
SECTION

PALMETTO PLANTING

NOT TO SCALE

PERCOLATION TEST HOLE



NOT TO SCALE

PLANTING NOTES

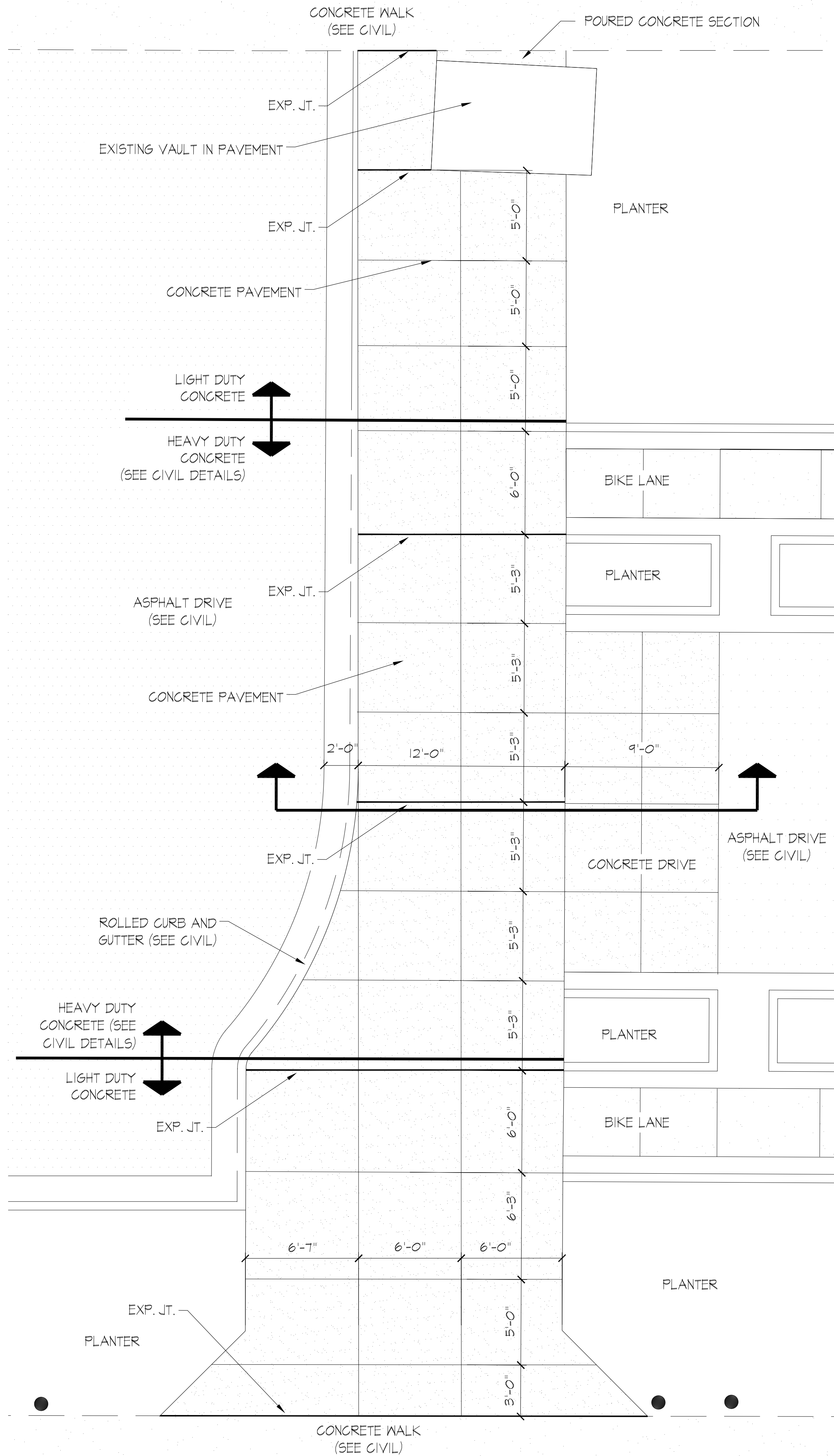
1. PLANTS LABELED NIC ARE NOT IN CONTRACT AND ARE NOT A PART OF THIS PHASE OF WORK.
2. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOWS OR EXCEEDS A CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION 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
COTTERILL

Drawn by: SKC
Checked by: TMC
Date: 3.23.17
Drawing No. L-2
Sheet No. OF





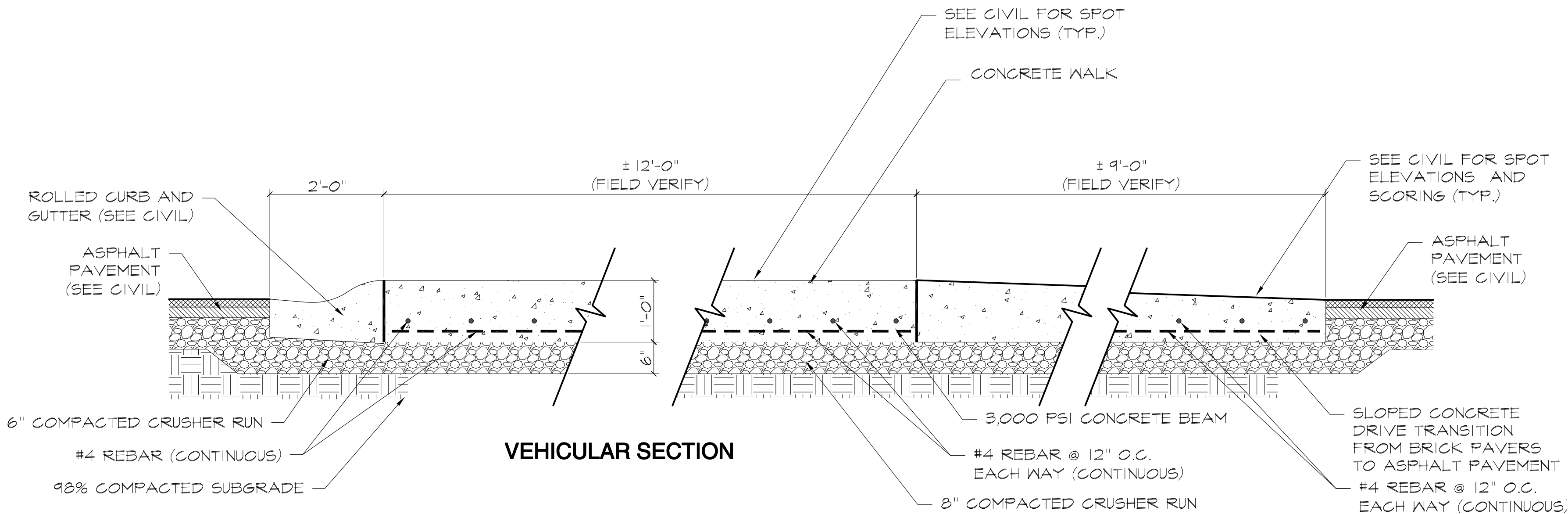
CONCRETE WALK LAYOUT PLAN - BASE BID
PLAN

SCALE 1/4"=1'-0"



GENERAL NOTES

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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)

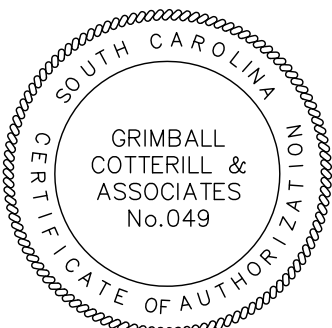
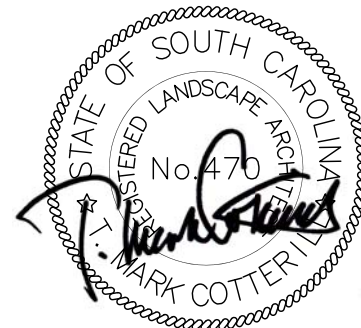
GRIMBALL
& ASSOCIATES
COTTERILL

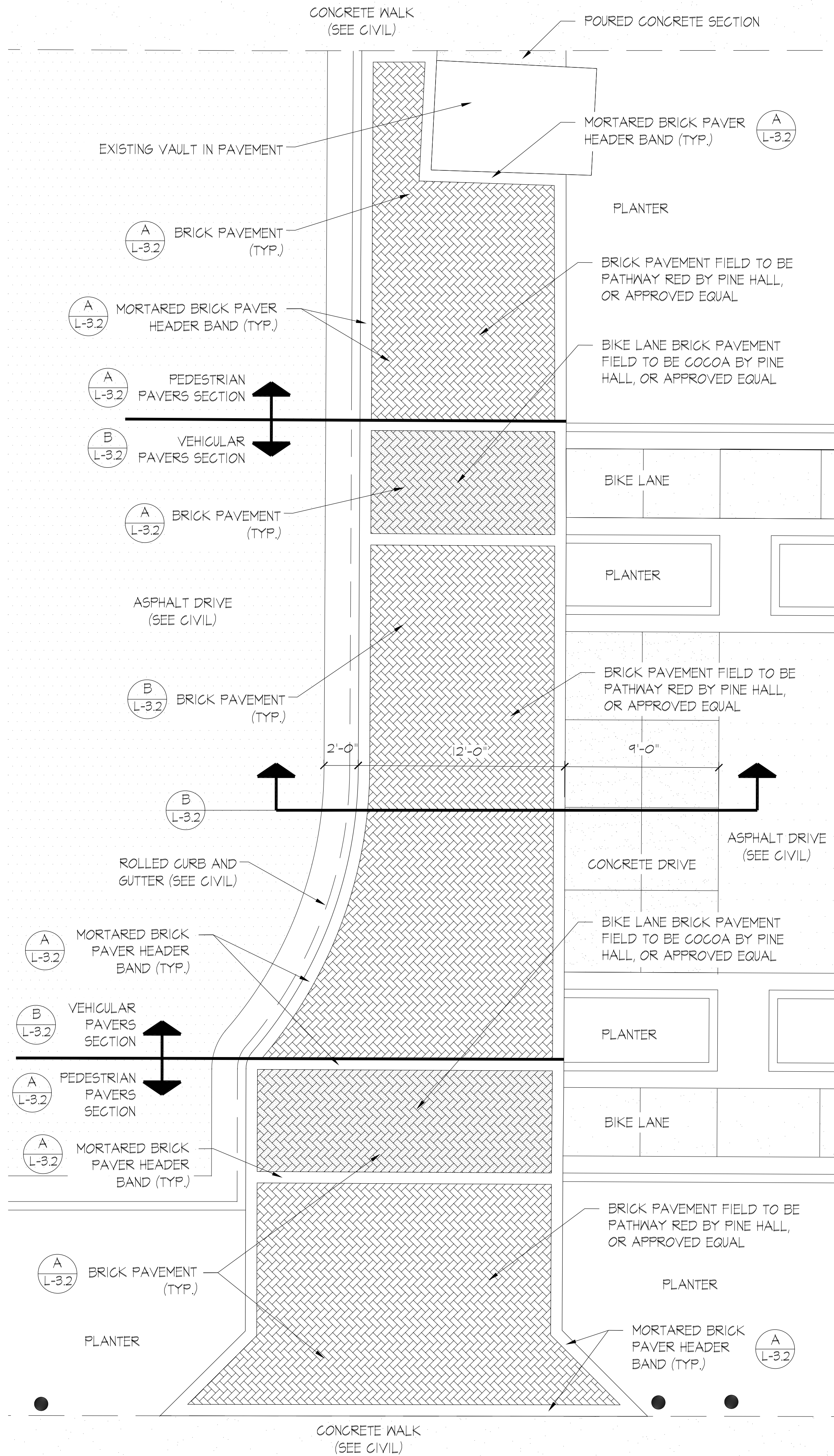
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LANDSCAPE ARCHITECTS & LAND PLANNERS

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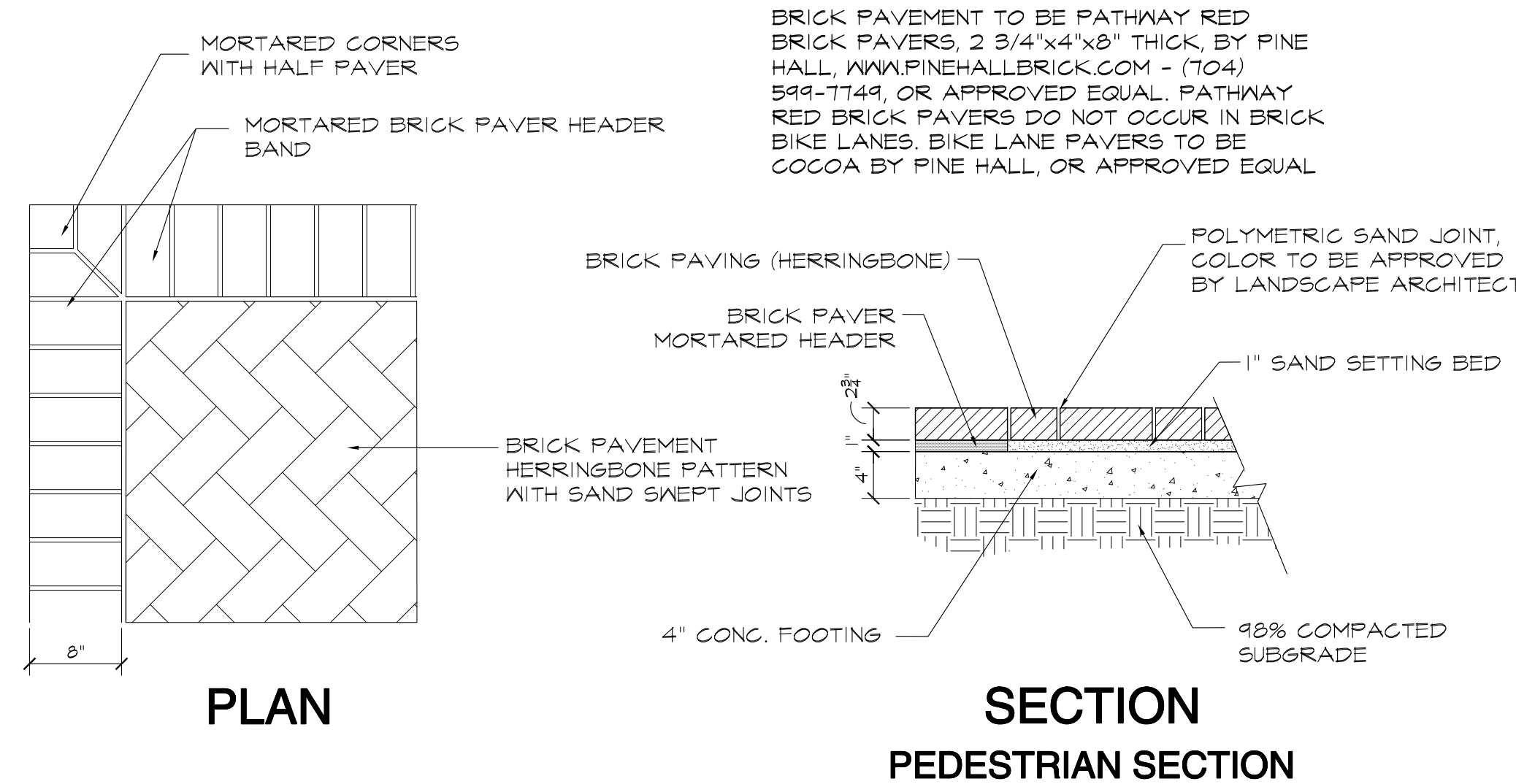
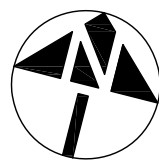
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Checked by:	TMC
Date:	3.23.17
Drawing No.	L-3.1
Sheet No.	OF





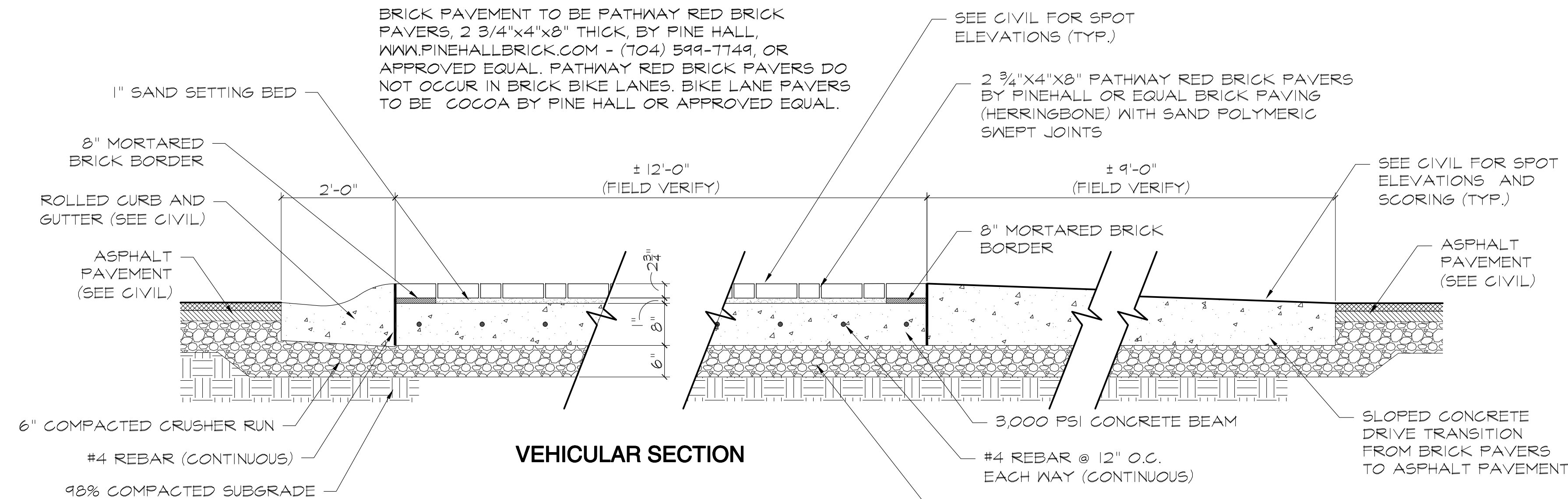
BRICK LAYOUT PLAN - ALTERNATE #1
PLAN

SCALE 1/4"=1'-0"



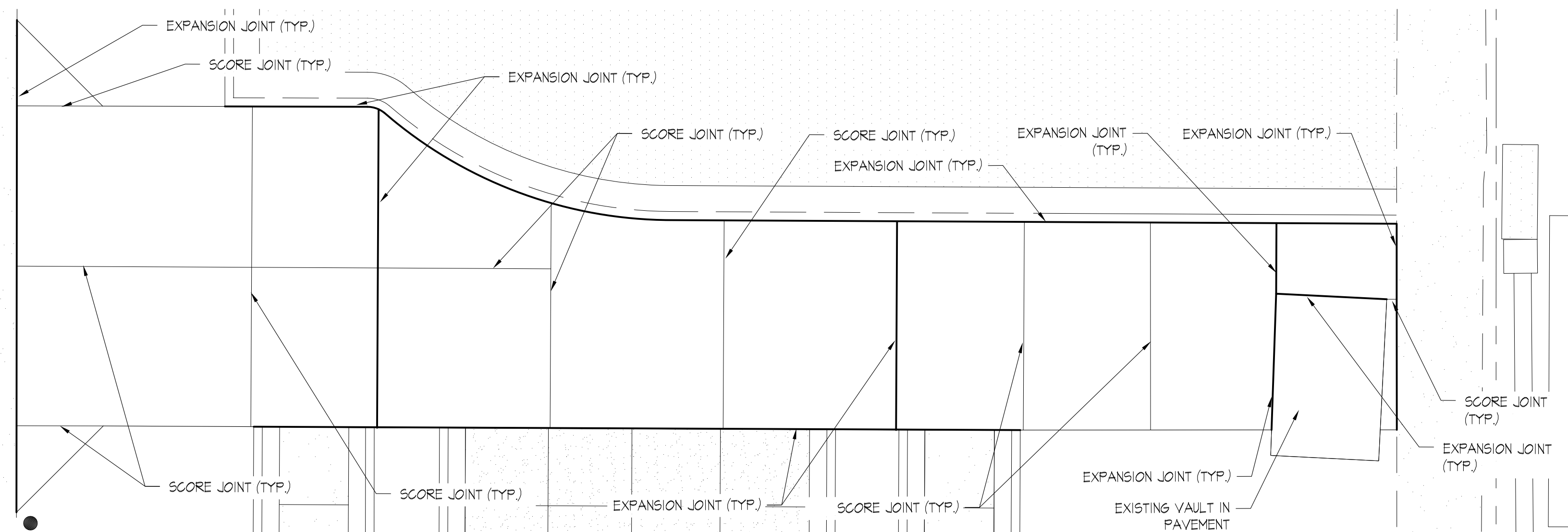
BRICK PAVEMENT
PLAN / SECTION

SCALE 1"=1'-0"



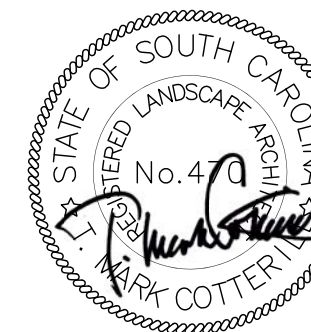
DRIVEWAY SECTION
SECTION

SCALE 3/4"=1'-0"



CONCRETE FOOTING UNDER BRICK PAVEMENT SCORING
PLAN

SCALE 3/16"=1'-0"



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Revisions	Date

GREENE STREET PEDESTRIAN CORRIDOR
SITE DETAILS
(BRICK PAVING ALTERNATE)

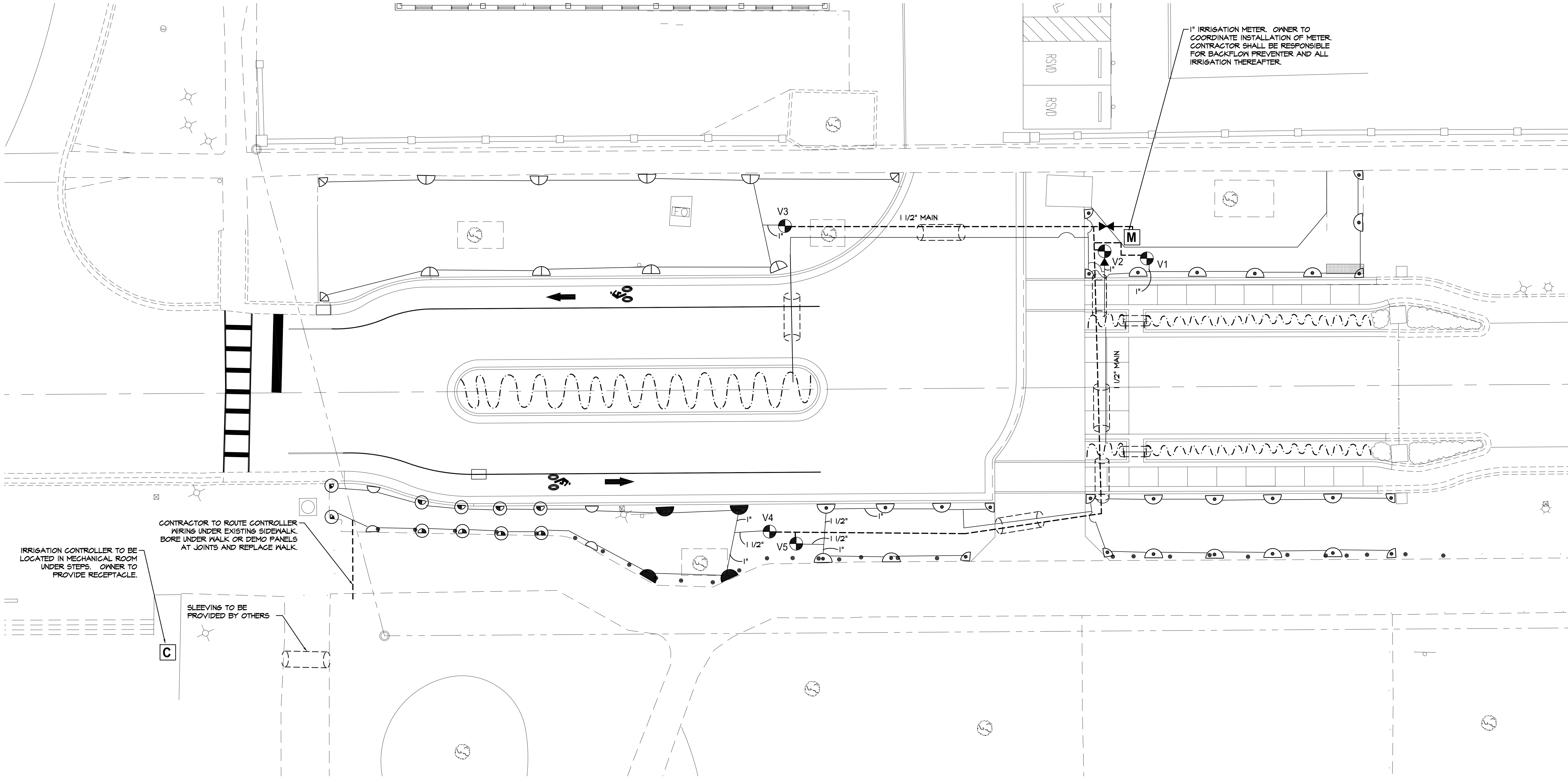
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LANDSCAPE ARCHITECTS & LAND PLANNERS

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Sheet No.	OF



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 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 ACHEIVED, 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

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Date	Revisions

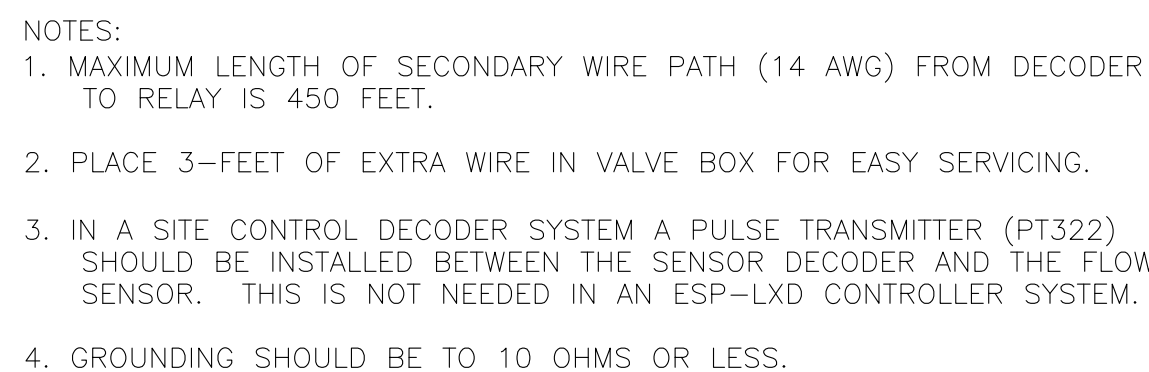
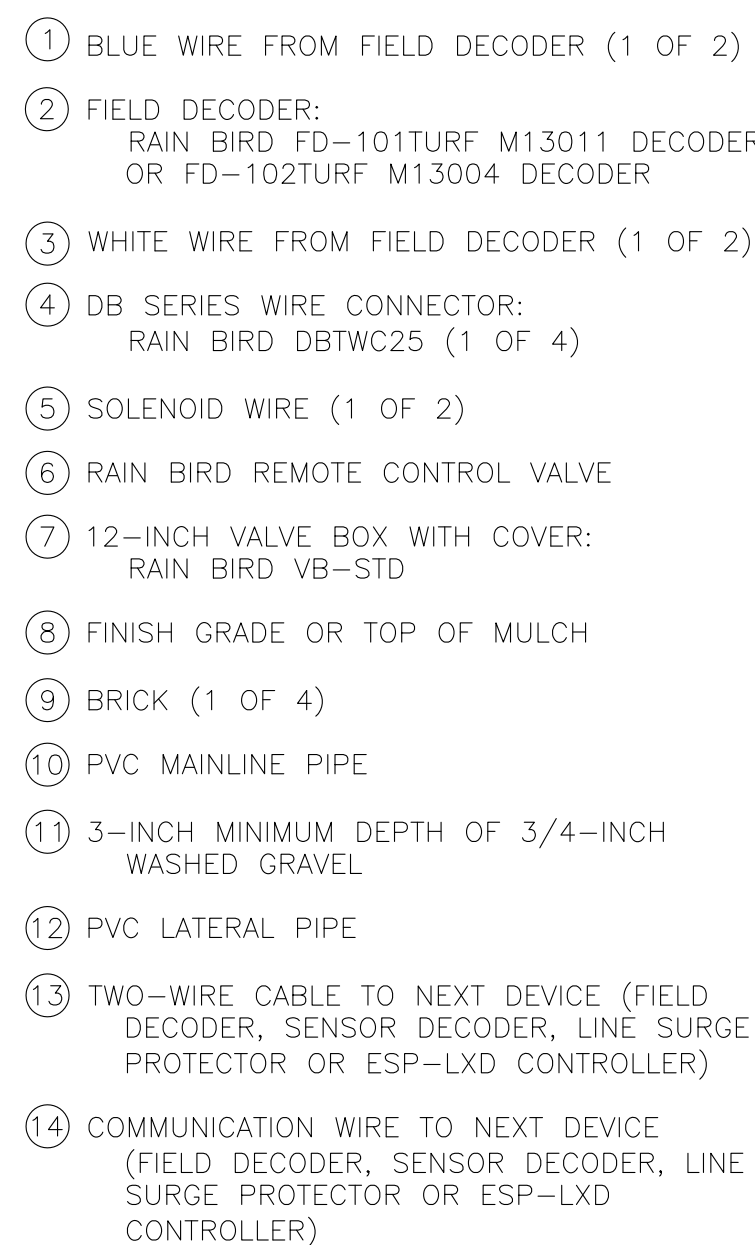
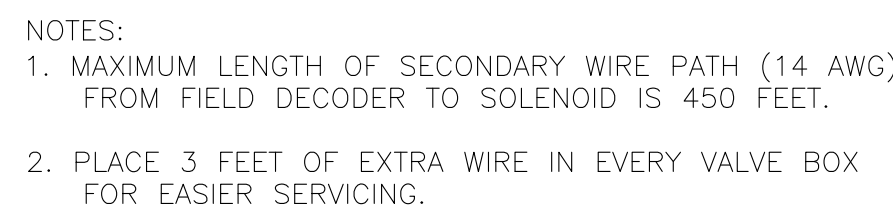
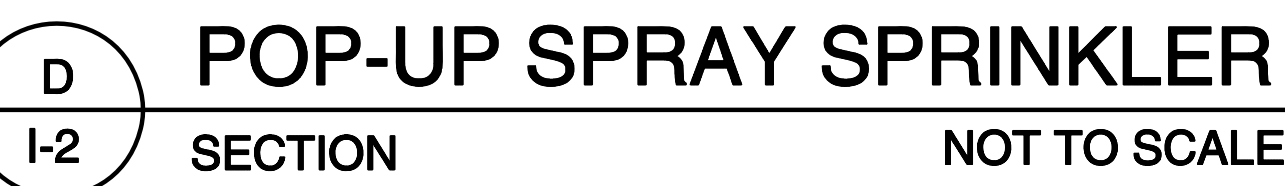
GREENE STREET PEDESTRIAN CORRIDOR
IRRIGATION PLAN
(ALTERNATE #2)

GRIMBALL
& ASSOCIATES
COTTERILL

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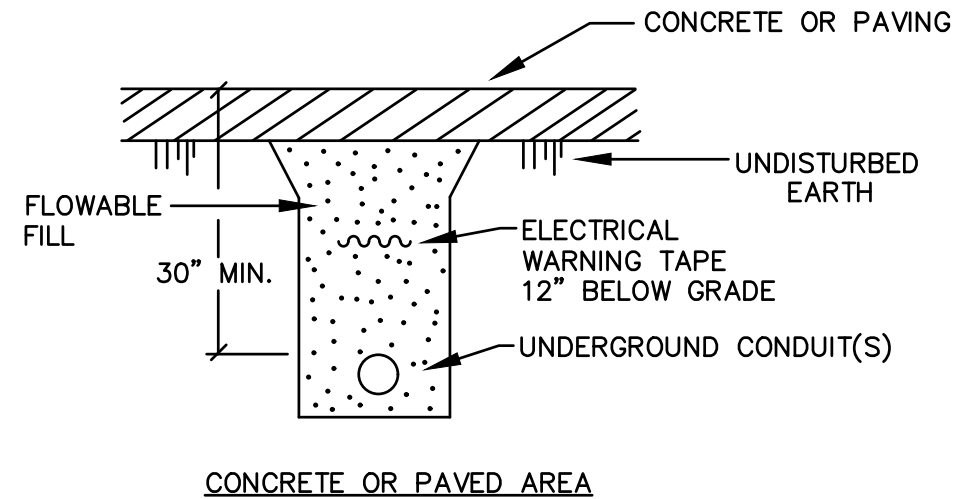
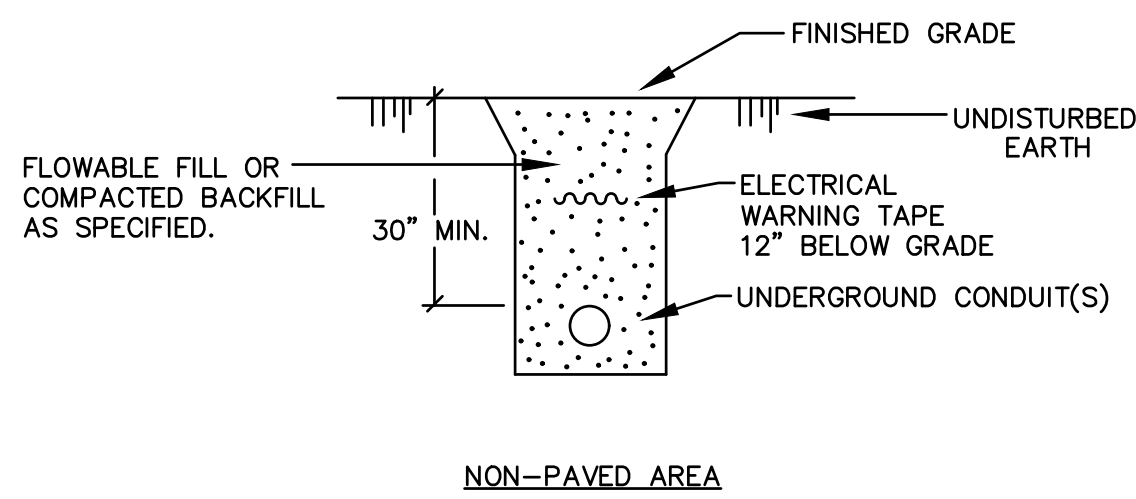
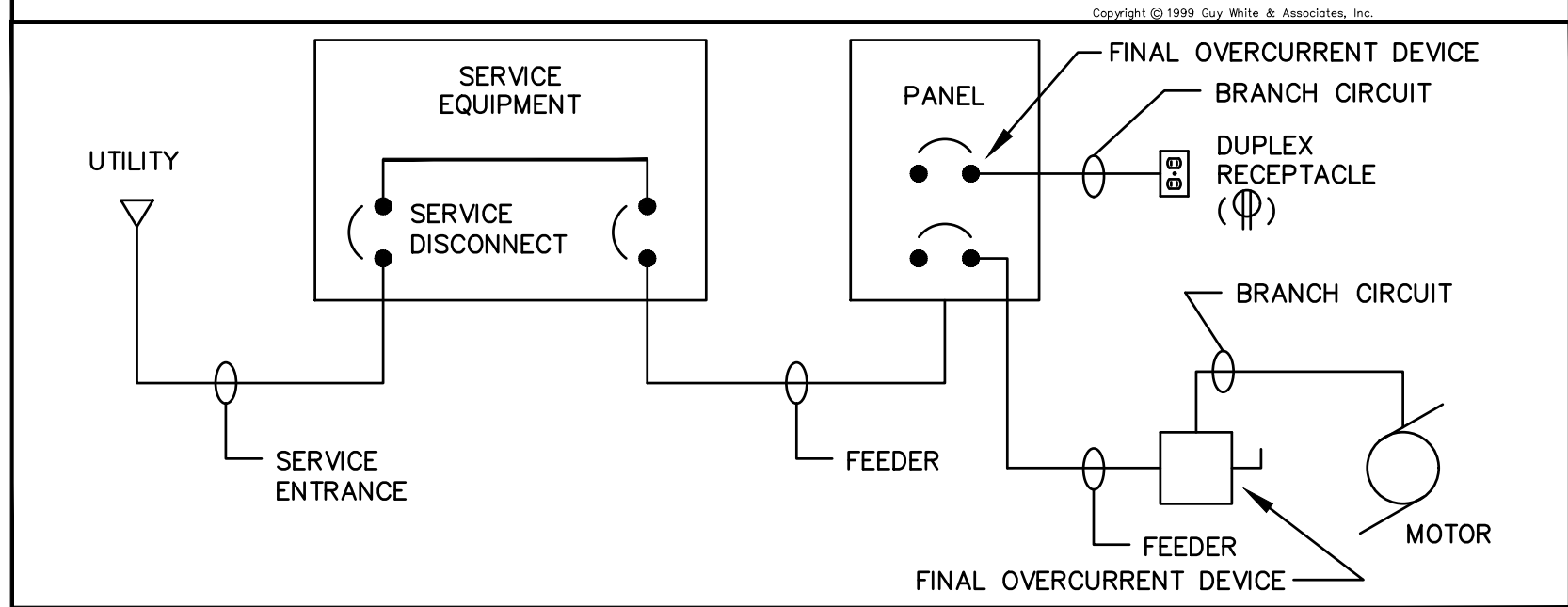
- (1) GREEN/YELLOW WIRE FROM SD-210TURF TO GROUNDING ROD BRASS CLAMP (1 OF 2)
- (2) SENSOR DECODER:
RAIN BIRD SD-210TURF M13009 SENSOR DECODER
- (3) RED WIRE FROM SD-210TURF TO FLOW SENSOR
- (4) DB SERIES WIRE CONNECTOR:
RAIN BIRD DBTWC25 (1 OF 6)
- (5) 12-INCH VALVE BOX WITH COVER:
RAIN BIRD VB-STD
- (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

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 R.P. PIPE UNDER PAVED SURFACES AS NOTED ON THE DRAWING 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 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 VALVES TO THE AUTOMATIC CONTROLLER SHALL BE "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 SHEET TO THE OWNER. 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 TWENTY DAYS OF RECEIVING WRITTEN NOTIFICATION 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 AND FURNISHED TO THE OWNER. REPLACEMENT MATERIALS AND INSTALLATION SHALL BE IN ACCORD WITH THESE SPECIFICATIONS, DRAWINGS AND OR SCHEDULES.

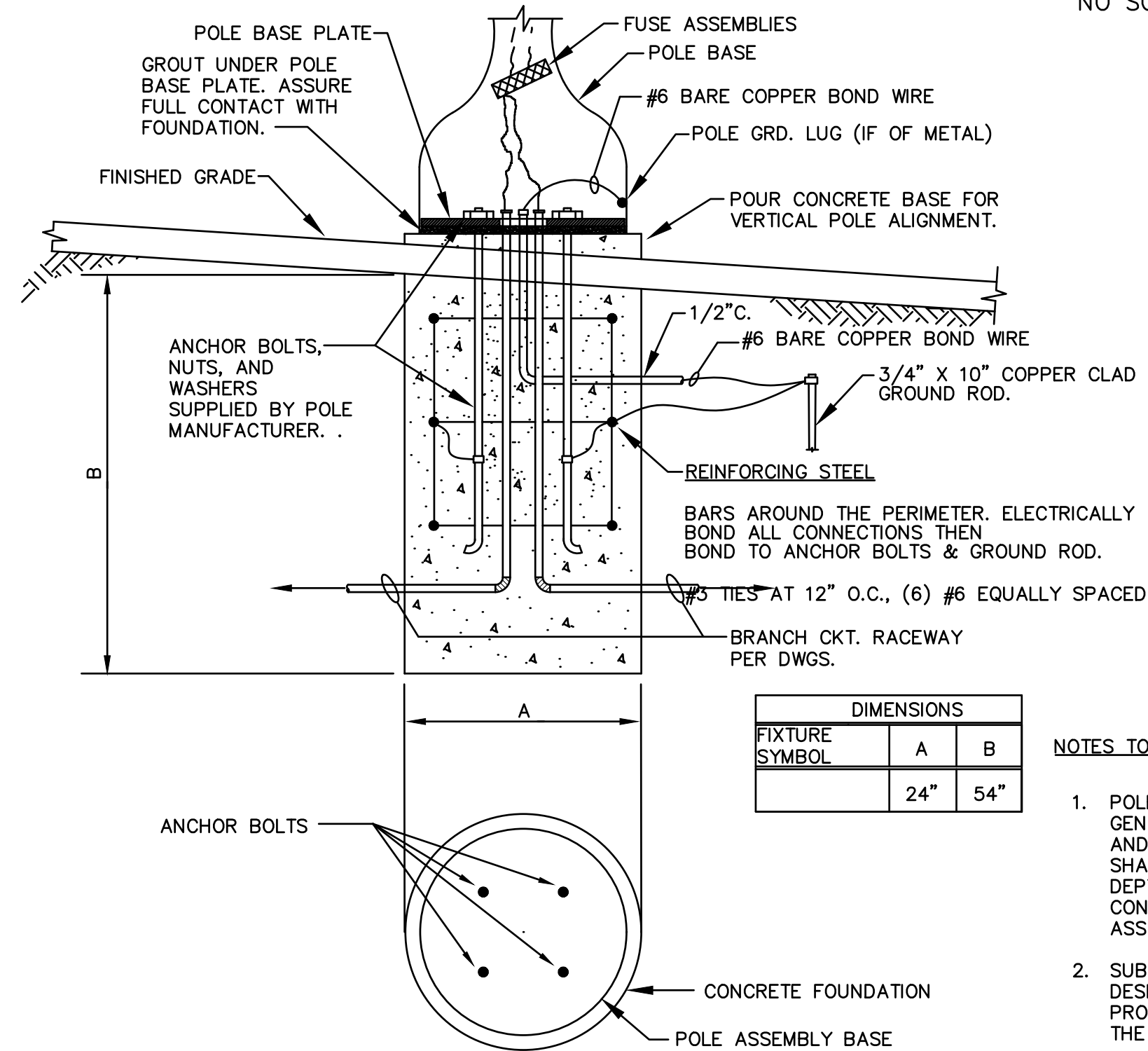
RACEWAY MATERIAL USE TABLE

APPLICATION		RACEWAY MATERIAL						
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.		EMT	IMC	GRS	40 PVC	ENT	AC/MC CABLE	MFD. WIRING
BRANCH CIRCUITS	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



DIMENSIONS		
FIXTURE SYMBOL	A	B
	24"	54"

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.

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.

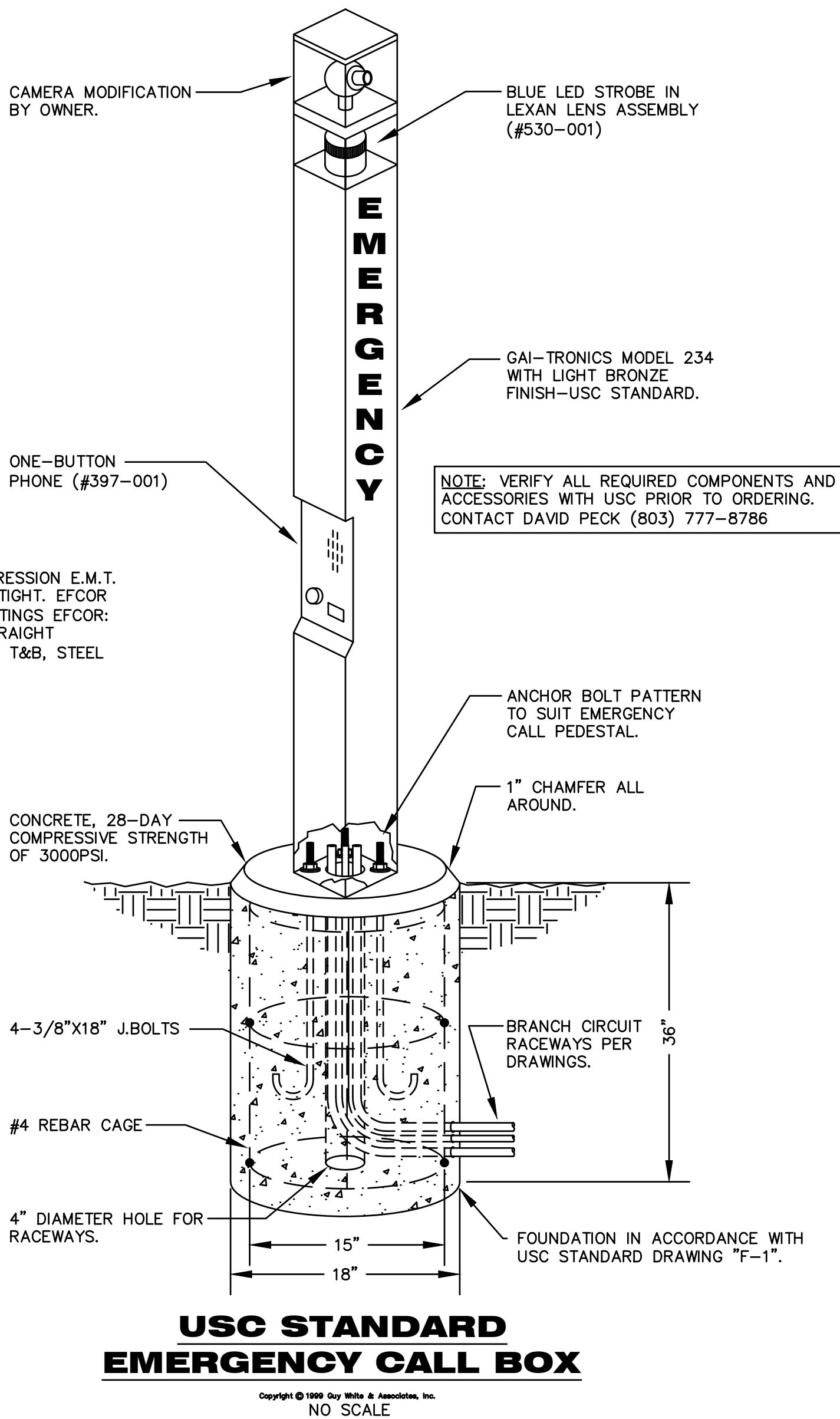
NOTE: CONTRACTOR IS CAUTIONED THAT MULTIWIRE (LINE-TO-NEUTRAL) BRANCH CIRCUITS DO NOT INDICATE ALL REQUIRED NEUTRAL CONDUCTORS. PROVIDE SEPARATE NEUTRAL CONDUCTORS (WITH COLORED STRIPE TO MATCH PHASE CONDUCTOR) FOR EACH PHASE CONDUCTOR.

EMPTY CONDUITS ARE NOTED BY "EC" WITH TRADE SIZE.

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

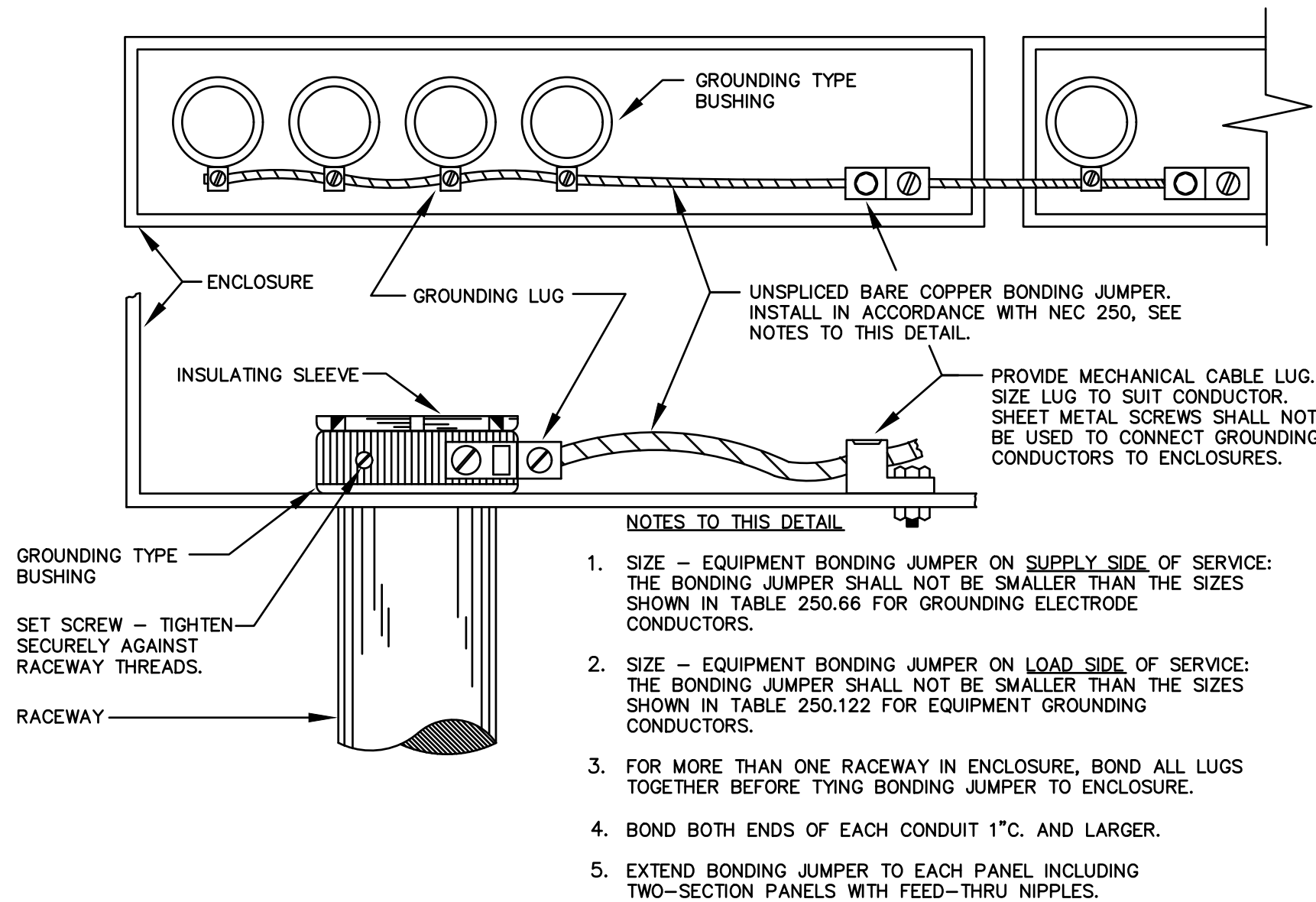
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NO SCALE

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

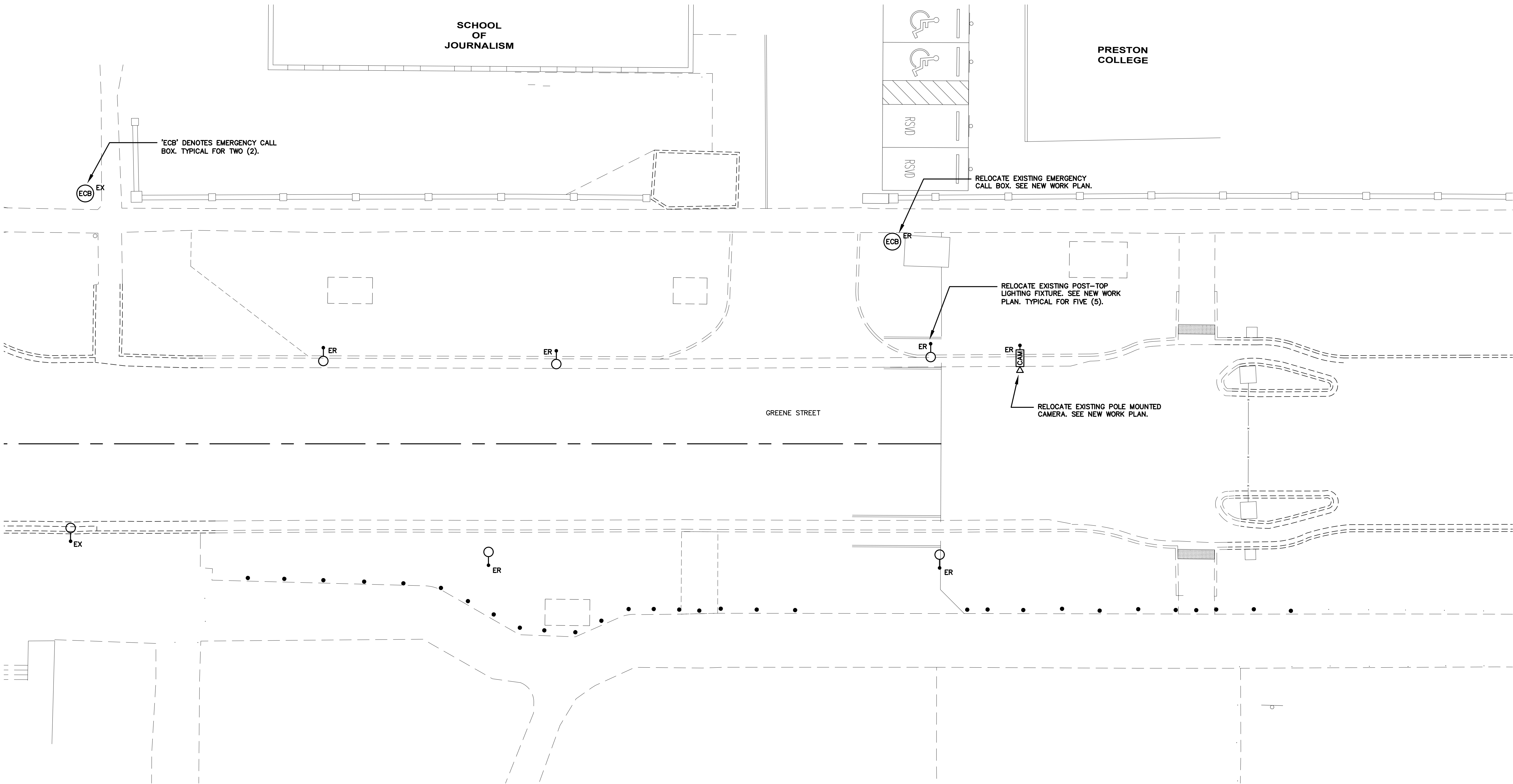
GREENE STREET PEDESTRIAN IMPROVEMENTS
ELECTRICAL NOTES, SCHEDULES, AND DETAILS

GRIMBALL
& ASSOCIATES
COTTERILL

LANDSCAPE ARCHITECTS & LAND PLANNERS 600 BELTLINE BOULEVARD COLUMBIA, SC 29205 (803)738-9525

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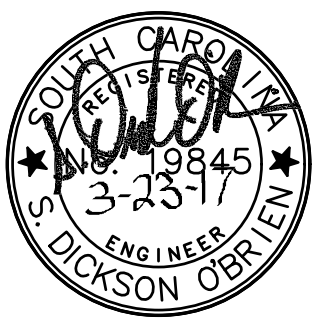
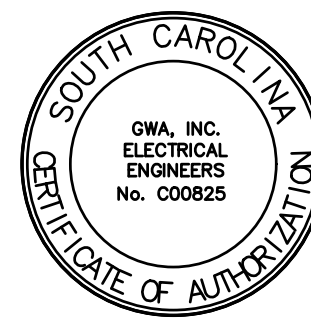
Drawn by:	CAW
Checked by:	SDO
Date:	3/23/17
Drawing No.	E001
Sheet No.	1 OF 3



ELECTRICAL SITE DEMOLITION PLAN
SCALE: 1" = 10'-0"



KEY PLAN
SCALE: 1"=1000'



GWA
inc.
Electrical Engineers

GWA: 16-3074

Midlands Office - Main
168 Laurelhurst Avenue
Columbia, SC 29210
(803)252-6919
Fax (803)799-5494
gwa@gwainc.net
http://www.gwainc.net

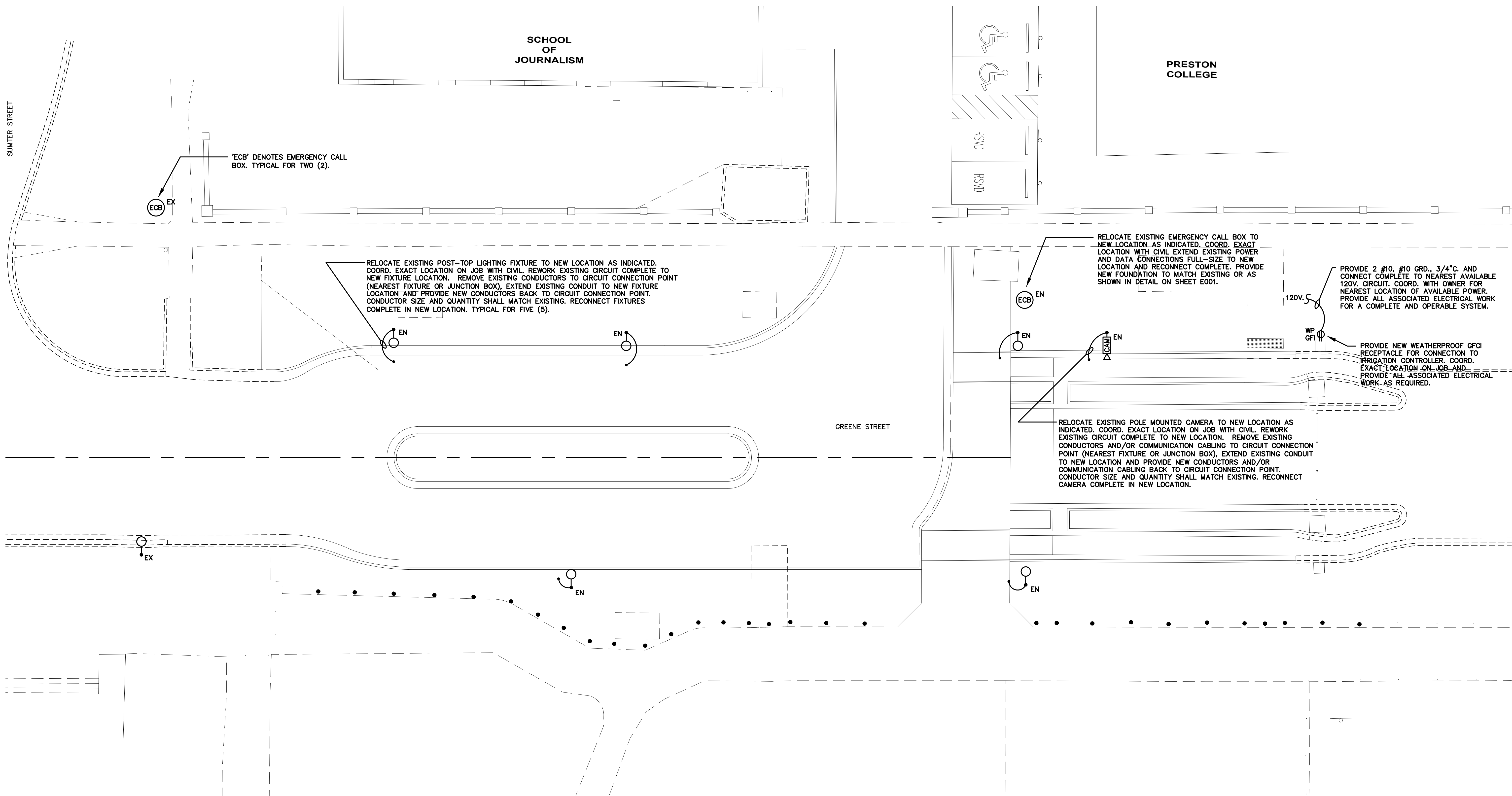
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COTTERILL
GREENE STREET PEDESTRIAN IMPROVEMENTS
ELECTRICAL SITE DEMOLITION PLAN

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Checked by:	SDO
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Drawing No.	ES100
Sheet No.	OF 3

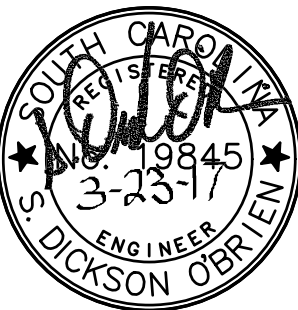
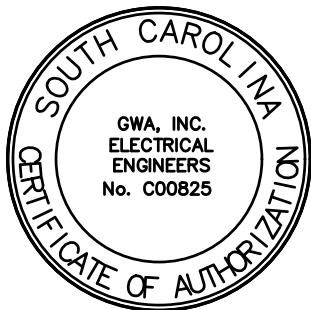
Date	Revisions



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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ELECTRICAL SITE PLAN - NEW WORK

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Drawn by:	CAM
Checked by:	SDO
Date:	3/23/17
Drawing No.	ES101
Sheet No.	OF 3

Date	Revisions



We Are Columbia

MEETING DATE: June 20, 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: First reading approval was given on June 13, 2017.

ATTACHMENTS:

- **#a:** 2017-047 amend 2015-016 encroach USC student housing Park-Greene-Lincoln-Devine Packet.pdf - Adobe Acrobat Pro (PDF)

HISTORY:

06/13/17

Columbia City Council

APPROVED ON FIRST READING

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.

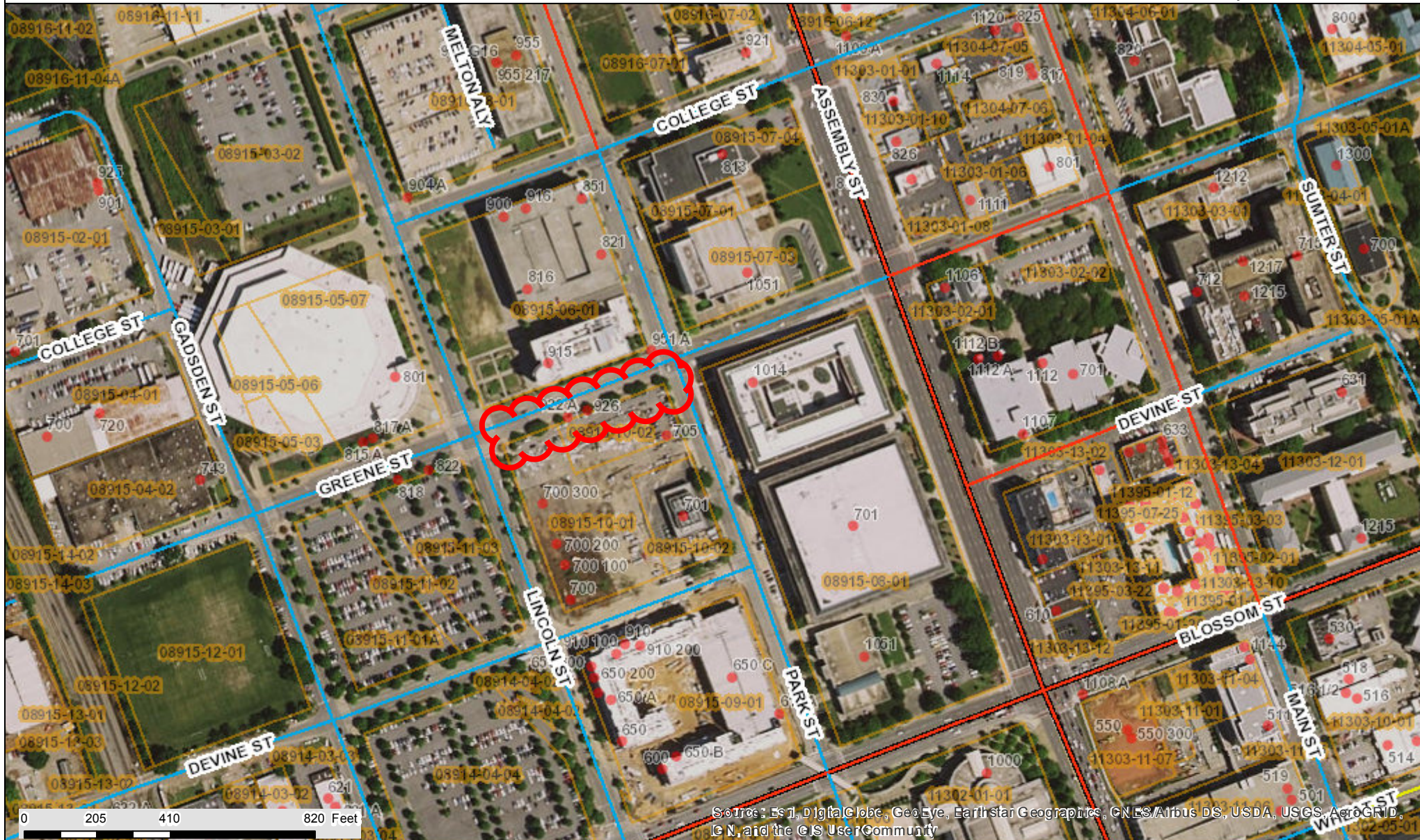
City of Columbia

USC - Park and Greene Street Encroachment

17.a



Thursday, June 01, 2017

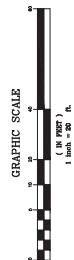


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Packet Pg. 184



PLANT LIST										
BOTANICAL NAME		COMMON NAME		BUTTE SPERMATOPHYTES		MOUNTAIN CARBON		COMMENTS		QTY.
NAME										
1	ANGELICA WINDMILL YUNCE			5"	6-7"	16"				
2	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		17
3	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		18
4	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		19
5	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		20
6	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		21
7	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		22
8	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		23
9	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		24
10	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		25
11	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		26
12	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		27
13	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		28
14	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		29
15	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		30
16	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		31
17	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		32
18	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		33
19	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		34
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32	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		47
33	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		48
34	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		49
35	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		50
36	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		51
37	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		52
38	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		53
39	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		54
40	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		55
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43	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		58
44	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		59
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47	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		62
48	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		63
49	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		64
50	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		65
51	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		66
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53	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		68
54	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		69
55	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		70
56	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		71
57	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		72
58	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		73
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77	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		92
78	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		93
79	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		94
80	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		95
81	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		96
82	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		97
83	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		98
84	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		99
85	ASTRAGALUS			5"	14-16"	8"	1	MATCHING SPERMATOPHYTES		100

PIANT LIST

TYPICAL GROUND COVER PLANTING

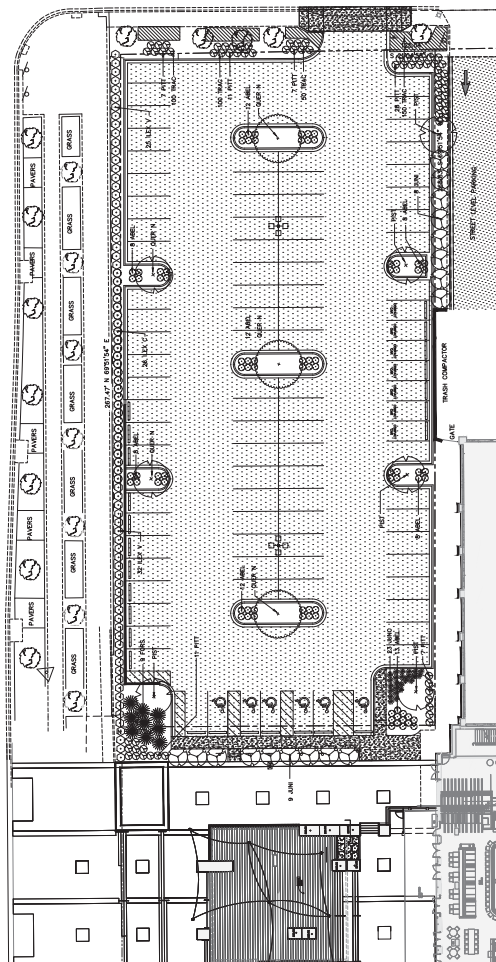
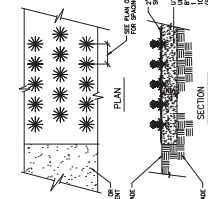
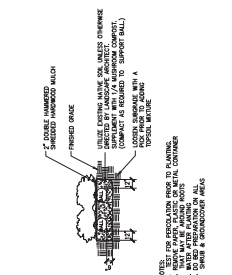
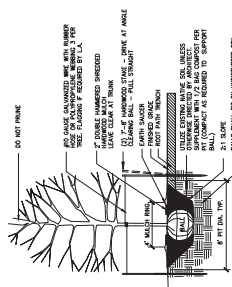
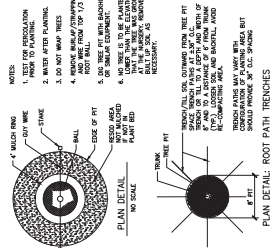
DO NOT TO SCALE

SHRUB PLANTING

CONCLUSIONS

TREE PLANTING AND STAKING

OOT PA



LANDSCAPE NOTES

- ENHANCE ECOLOGY AND AESTHETICS WITH OTHER CASE STUDIES OF THESE PLANS TO FIT THE SITE. THE LANDSCAPE ARCHITECT IS RESPONSIBLE FOR THE FOLLOWING:
- A. LOCATIONS OF THOSE UTILITIES SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES. CONTRACTOR SHALL UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THE FAILURE TO DO SO. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY CONTRACT PAID TO UTILITY PROVIDER TO SERVICE ANY UTILITIES. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO ANY CONSTRUCTION OF ANY UTILITIES SHOWN OR UTILITIES AS NECESSARY TO RESOLVE CONFLICTS.
- B. CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT IF ANY CONFLICTS ARE IDENTIFIED PRIOR TO CONSTRUCTION. PROPOSED UTILITIES, CONTRACTOR SHALL CONSTRUCT WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO RESOLVE CONFLICTS.
- C. CONTRACTOR TO PROVIDE A SHOWN DRAWING SUBMITTAL TO THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. ALL PLANT MATERIAL TO BE COVERED BY REGULATION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
- D. CONTRACTOR SHALL MEET THE FOLLOWING CRITERIA:

CITY OF COLUMBIA LANDSCAPE
ORDINANCE NOTES:

- SITE AREA: 77 ACRES
 D'S REQUIRED: 23.1 UNITS
 D'S PROVIDED: 17 UNITS
 JUNIOR @ 0.5 UNITS = 6.5 UNITS
 CAL. POTAGE @ 2.0 UNITS = 14 UNITS
 CAL. POTAGE @ 1.0 UNITS = 4.5 UNITS
 TOTAL D'S PROVIDED: 27 UNITS (27 UNITS)
 TOTAL VEHICULAR SURFACE AREA: 30,274 SF
 STREET PROTECTIVE YARDS: 8.4
 STREET PROTECTIVE YARDS: DIMENSIONS OF STREET PROTECTIVE YARD ON GRADINE AND PARK STREET ARE LESS THAN THE 5' MINIMUM REQUIRED. THE 5' MINIMUM REQUIRED IS ACHIEVED BY THE RIGHT-OF-WAY WITH PLANTING AND IRRIGATION TO ACHIEVE THE STREET PROTECTIVE YARD.
 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

NAVD 88 - NAL
N 786388.49
E 1989464.89
ELEV. = 240.04'

GREENE STREET
100' R/W
CITY OF COLUMBIA)

PARK STREET
100' R/W
(CITY OF COLUMBIA)

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 x 11) 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

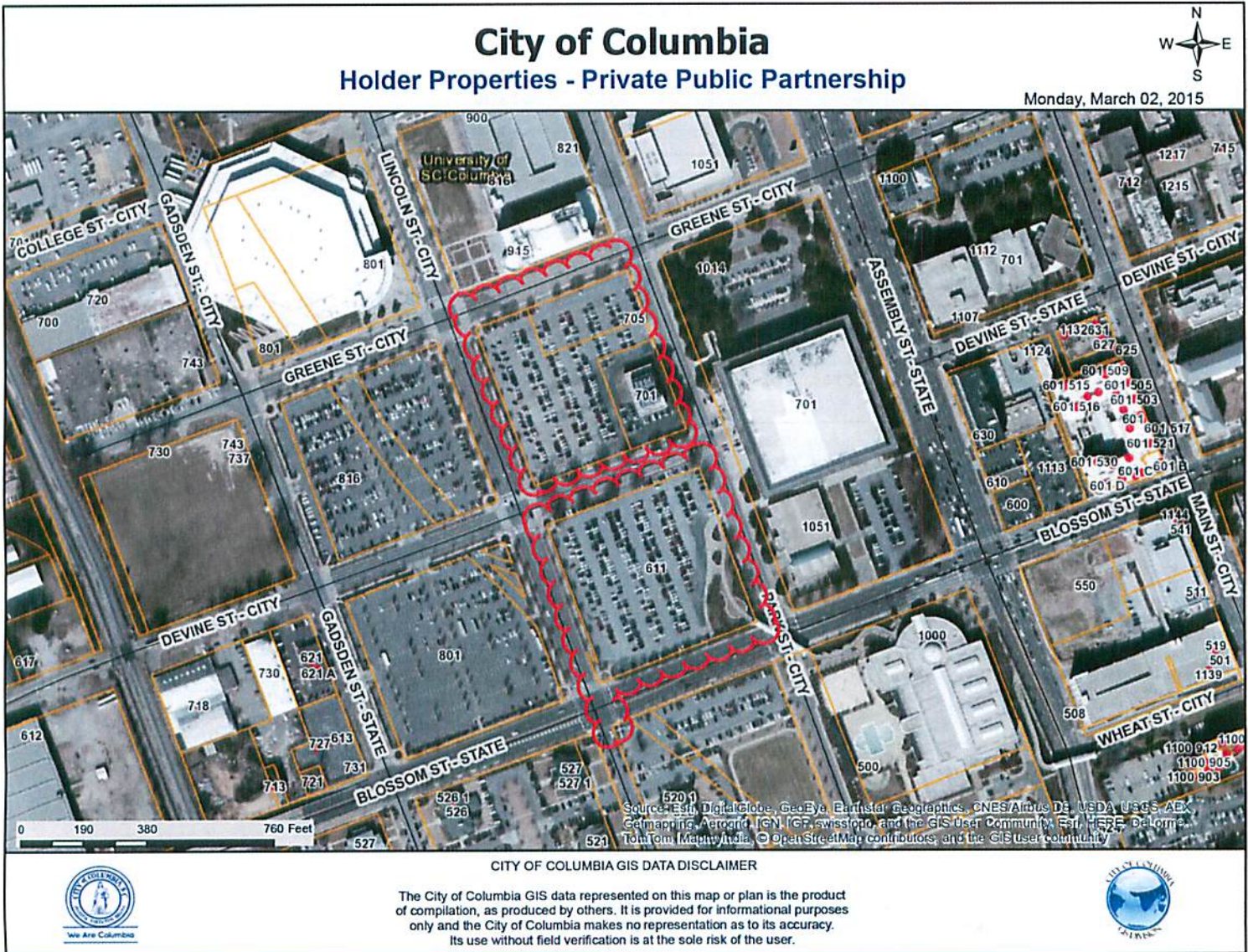
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803-733-8306
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803-545-3070

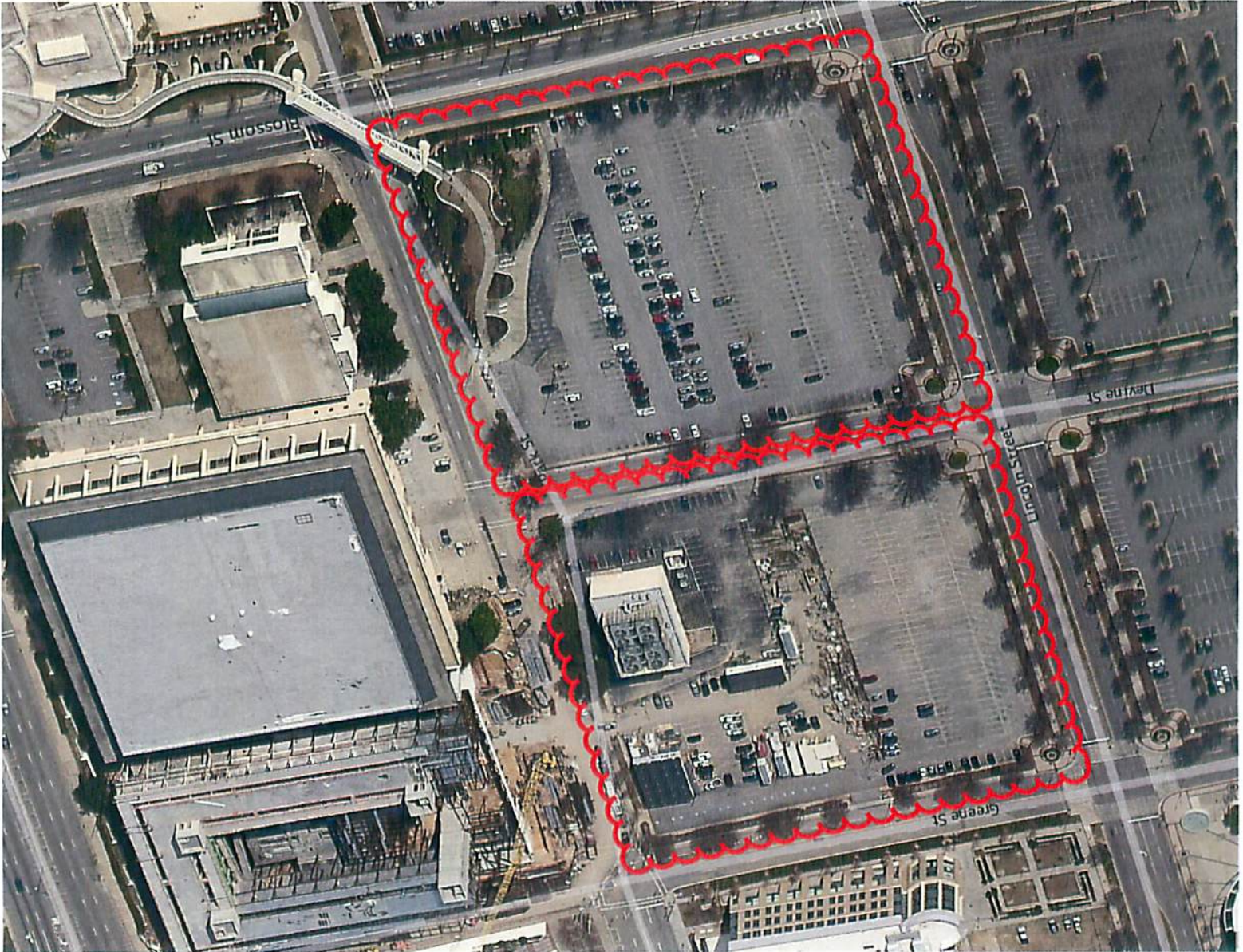
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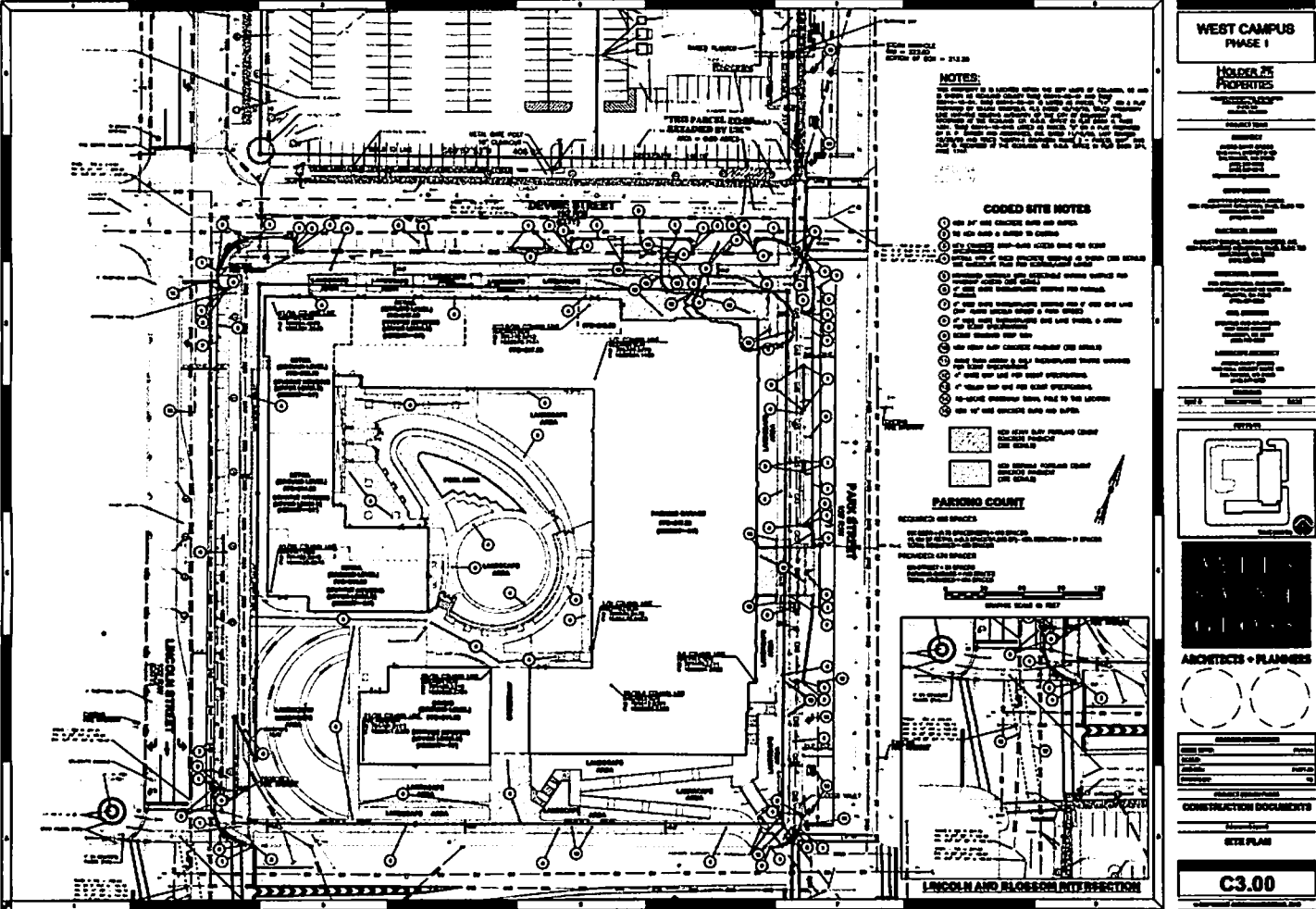
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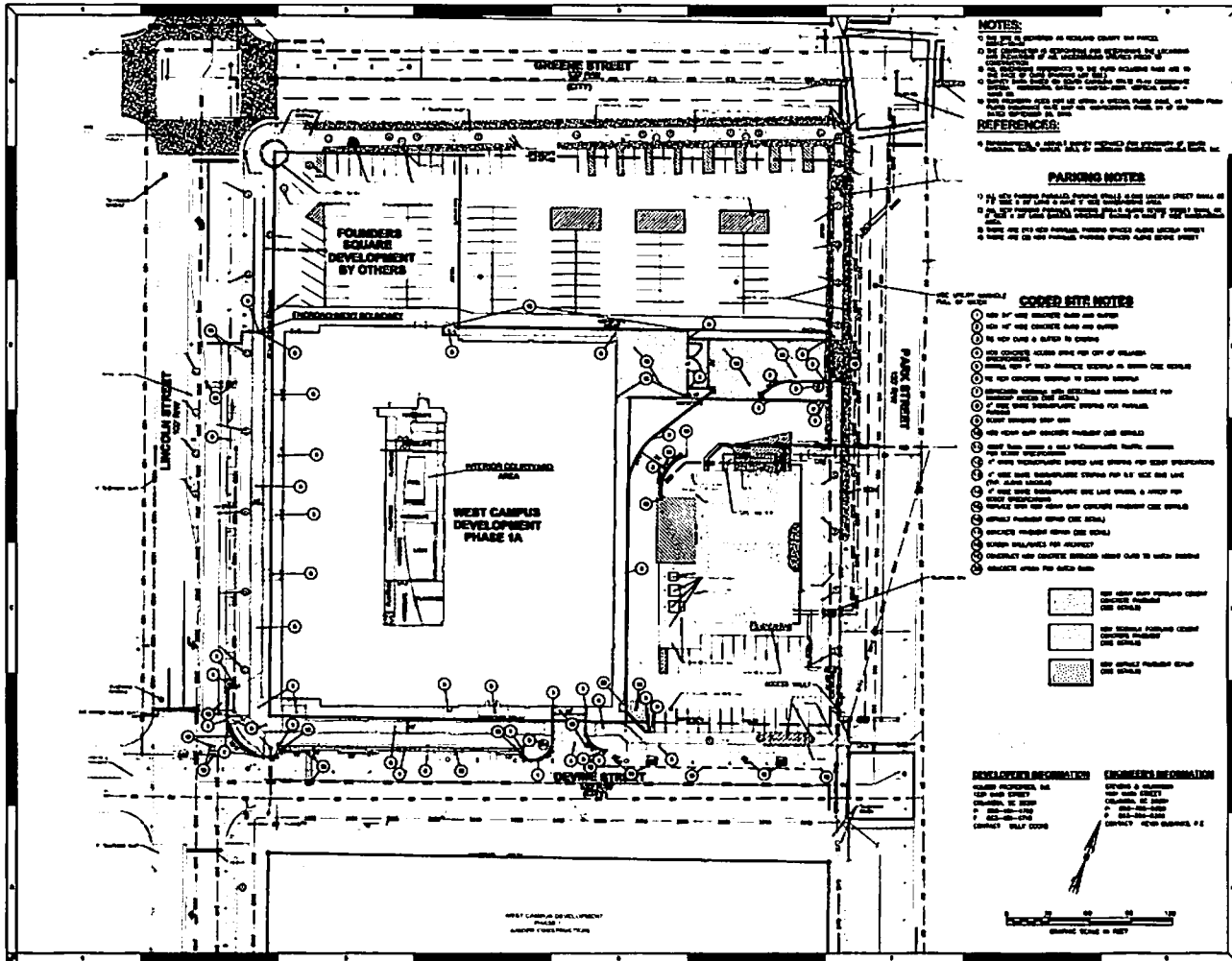
E-MAIL

jechambers@columbiasc.net
jsfellows@columbiasc.net
kbcook@columbiasc.net
jlthompson@columbiasc.net
fcpinckney@columbiasc.net
aemoore@columbiasc.net
rharkins@columbiasc.net
jddaniels@columbiasc.net
raanderson@columbiasc.net
rgsweatt@columbiasc.net
ddb Brewer@columbiasc.net
sehollar@columbiasc.net
jphooks@columbiasc.net
catimmons@columbiasc.net
cfdgkoon@columbiasc.net
spade@columbiasc.net









NOTES:

1. THE PLAN IS SUBMITTED AS A PRELIMINARY DESIGN.
2. THE DESIGN IS BASED ON THE ASSUMPTIONS LISTED BELOW.
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REFERENCES:

- 1. THE DESIGN IS BASED ON THE ASSUMPTIONS LISTED BELOW.
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PARKING NOTES:

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CODED SITE NOTES:

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LEGEND:

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REVISIONS:

NO.	DATE	DESCRIPTION
1	10/10/00	ISSUED FOR PERMITTING
2	10/10/00	ISSUED FOR PERMITTING
3	10/10/00	ISSUED FOR PERMITTING
4	10/10/00	ISSUED FOR PERMITTING
5	10/10/00	ISSUED FOR PERMITTING
6	10/10/00	ISSUED FOR PERMITTING
7	10/10/00	ISSUED FOR PERMITTING
8	10/10/00	ISSUED FOR PERMITTING
9	10/10/00	ISSUED FOR PERMITTING
10	10/10/00	ISSUED FOR PERMITTING

HOLDER 35
PROPERTIES

WEST CAMPUS PHASE 1A

ARCHITECTS + PLANNERS

C3.00



We Are Columbia

MEETING DATE: June 20, 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: First reading approval was given on June 13, 2017.

STRATEGIC GOALS: Collaborate and partner with entities, Foster a healthy quality of life

ATTACHMENTS:

- **#a:** 2017-051 \$1.5 Edventure (Hospitality Fee Pledge lr 61417).doc (PDF)

HISTORY:

06/13/17

Columbia City Council

APPROVED ON FIRST READING

CITY OF COLUMBIA, SOUTH CAROLINA

THIRD SUPPLEMENTAL ORDINANCE NO: 2017-051

PROVIDING FOR THE ISSUANCE AND SALE OF NOT EXCEEDING \$1,500,000 PRINCIPAL AMOUNT CITY OF 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 TD Bank, N.A., 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 \$ 1,500,000. 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: TD Bank, N.A.
40 Calhoun Street

Charleston, SC 29401

Attention: William Quantz

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
(As set forth in Schedule I herein)

Issue Date

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

Comparison Details	
Title	pdfDocs compareDocs Comparison Results
Date & Time	6/14/2017 1:46:36 PM
Comparison Time	6.42 seconds
compareDocs version	v4.1.600.4

Sources	
Original Document	[#1384800] [v6] Bond Ordinance - Special Obligation Bonds (Edventure)
Modified Document	[#1384800] [v7] Bond Ordinance - Special Obligation Bonds (Edventure)

Comparison Statistics	
Insertions	5
Deletions	4
Changes	2
Moves	0
TOTAL CHANGES	11

Word Rendering Set Markup Options	
Name	Standard
<u>Insertions</u>	
Deletions	
<u>Moves</u> / Moves	
Inserted cells	
Deleted cells	
Merged cells	
Formatting	Color only.
Changed lines	Mark left border.
Comments color	By Author.
Balloons	False

compareDocs Settings Used	Category	Option Selected
Open Comparison Report after Saving	General	Always
Report Type	Word	Formatting
Character Level	Word	False
Include Headers / Footers	Word	True
Include Footnotes / Endnotes	Word	True
Include List Numbers	Word	True
Include Tables	Word	True
Include Field Codes	Word	True
Include Moves	Word	True
Show Track Changes Toolbar	Word	False
Show Reviewing Pane	Word	False
Update Automatic Links at Open	Word	False
Summary Report	Word	End
Include Change Detail Report	Word	Separate
Document View	Word	Print
Remove Personal Information	Word	False
Flatten Field Codes	Word	True



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Resolution No.: R-2017-048 - Authorizing consumption of beer and wine beverages only at the Palmetto Tasty Tomato Festival on August 5, 2017

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

ATTACHMENTS:

- **#a:** R-2017-048 Tasty Tomato (Aug 5) (PDF)

RESOLUTION NO.: R-2017-048

*Authorizing consumption of beer and wine beverages only at the
Palmetto Tasty Tomato Festival on August 5, 2017*

WHEREAS, Sustainable Midlands ("Sponsor") is sponsoring the Palmetto Tasty Tomato Festival at City Roots Urban Farm in the 1000 block of Airport Boulevard between Commerce Drive and Jim Hamilton Boulevard from 1:00 p.m. until 7:00 p.m. on Saturday, August 5, 2017; and,

WHEREAS, Sponsor has requested permission for the temporary closing and use of the 1000 block of Airport Boulevard between Commerce Drive and Jim Hamilton Boulevard from 12:00 p.m. until 8:30 p.m. for set up, clean up, and staging of the event to be held from 1:00 p.m. until 7:00 p.m.; for patrons to consume beer and wine beverages only during the event hours of 1:00 p.m. until 6:30 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 is authorized between the hours of 1:00 p.m. and 6:30 p.m. on Saturday, August 5, 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 possession and consumption of alcoholic liquors or alcoholic beverages other than beer and/or wine beverages within the event area is prohibited; and,

BE IT FURTHER RESOLVED that VIP tents or VIP areas for the possession and consumption of alcoholic liquors or alcoholic beverages, other than beer or wine beverages, 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 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, including snakes, shall be prohibited. Coolers, glass bottles, breakable glasses and/or cups, large bags and backpacks shall be prohibited; and,

BE IT FURTHER RESOLVED that during the designated time that the closed portion of the 1000 block of Airport Boulevard between Commerce Drive and Jim Hamilton Boulevard, with the exception of the parking area and any 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 closed portion of the 1000 block of Airport Boulevard between Commerce Drive and Jim Hamilton Boulevard, with the exception of the parking area 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 Saturday, August 5, 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:

ATTEST:

City Manager

City Clerk

Approved as to form:



Senior Assistant City Attorney

Introduced:

Final Reading:

DATE OF REQUEST

5/3/2017

REQUESTOR'S NAME/CONTACT
INFORMATION (E-MAIL/
PHONE#/FAX#)Janel Page, Marketing + Event Coord
Sustainable Midlands
janel@sustainablemidlands.org
(225) 325-2121

EVENT NAME/PURPOSE (i.e., St. Patrick's/Charity Fund-raiser)

Palmetto Tasty Tomato Festival

DATE(S) OF EVENTS:

August 5, 2017

RAIN CONTINGENCY DATE:

(Rescheduling due to inclement weather is allowed once within one week from the date of the originally scheduled event upon 24-hours written notice to the City, without a new request. The time of event operation shall remain the same.)

None, Tasty Tomato is
a rain or shine festival

LOCATION OF EVENT

(i.e., Amphitheater area
of Finlay Park; 1300 and 1400 blocks
of Main Street between Lady Street
and Hampton Street)City Roots Urban Farm / 1000 block of Airport Blvd
1005 Airport Blvd
Columbia, SC 29205 between Jim Hamilton Blvd +
Commerce DriveSTREET(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)1000 Block of Airport Blvd, between Jim
Hamilton Blvd and Commerce DriveHOURS 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

12:00 p.m. - 8:30 p.m.

HOURS OF EVENT

(i.e., 6:00 p.m. - 10:00 p.m.)*

1:00 p.m. - 7:00 p.m.

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 6-9:30 p.m.)*

1:00 p.m. - 7:00 p.m. 430

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 a 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, ATT 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 C 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 events 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 areas for possession and consumption of alcoholic beverages or alcoholic liquors within the event area are prohibited.**

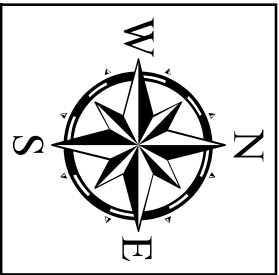
NOTE: **This form should only be used for public events where beer and/or wine are to be sold and consumed on City property** (i.e., Five After Five, Patrick's Festival, Concerts in Finlay Park, etc.).

This form **should not** be used to request use of City property for **private** events (birthday, retirement, anniversary parties, etc.) nor for sidewalk sales 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.

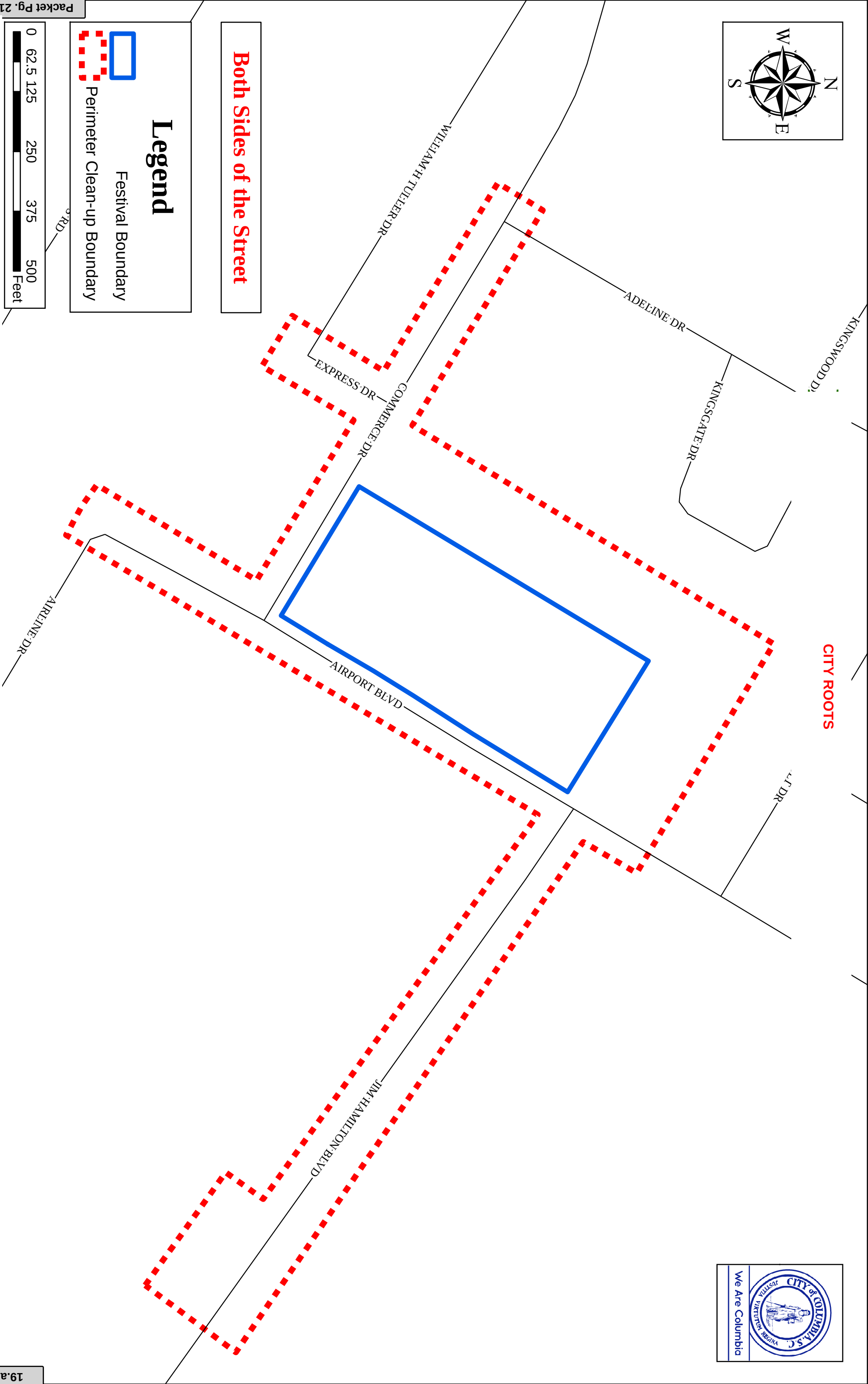
Fire Marshal George N. Adams, Jr., 803-545-3703; cfdgadams@columbiasc.netLegal Department - Shari Ardis; 803-737-4242; slardis@columbiasc.net or fax 803-737-4250 - resolution preparationPolice Department Special Events - Officer Robert Hall; 803-545-3535; rjhall@columbiasc.net parade permit, policeParks and Recreation - Pearl Osborne; 803-545-3100; peosborne@columbiasc.net park reservationsPolice Department Community Services - Brenda Murphy; 803-545-3507; bmmurphy@columbiasc.net - street closing

Last revised: 1/2017

Packet Pg. 217



CITY ROOTS



Both Sides of the Street

Festival Boundary

Perimeter Clean-up Boundary





We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Resolution No.: R-2017-055 - Young Professionals Networking Event (July 1)

FINANCIAL IMPACT:

STRATEGIC GOALS: Collaborate and partner with entities, Grow opportunities for entrepreneurship

ATTACHMENTS:

- **#a:** R-2017-055 Young Professionals Networking (July 1) (PDF)

RESOLUTION NO.: R-2017-055

Authorizing consumption of beer and wine only within Boyd Plaza adjacent to the Columbia Museum of Art for Young Professionals Networking Event on July 1, 2017

WHEREAS, PR by Davis & Co. ("Sponsor") is sponsoring a Young Professionals Networking Event s in Boyd Plaza adjacent to the Museum on Saturday, July 1, 2017 from 5:00 p.m. until 10:00 p.m.; and,

WHEREAS, the Sponsor has requested permission for the temporary closing and use of the courtyard/plaza area adjacent to the Museum on Saturday, July 1, 2017 from 4:00 p.m. until 11:30 p.m. for set up, clean up, and staging of the event to be held on Saturday, July 1, 2017 from 5:00 p.m. until 10:00 p.m.; for patrons to consume beer and wine beverages only during the event hours on Saturday, July 1, 2017 from 5:00 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 5:00 p.m. and 9:30 p.m. on Saturday, July 1, 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 Saturday, July 1, 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.

ATTEST:



Senior Assistant City Attorney

City Clerk

Introduced:
Final Reading:

DATE OF REQUEST

06/12/17

REQUESTOR'S NAME/CONTACT
INFORMATION (E-MAIL/
PHONE#/FAX#)Shonda Davis
prbydavisandco@gmail.com
330-774-8727

EVENT NAME/PURPOSE (i.e., St. Patrick's/Charity Fund-raiser)

Young Professionals Networking Event / 4th of July Weekend

DATE(S) OF EVENTS:

July, 1, 2017

RAIN CONTINGENCY DATE:

(Rescheduling due to inclement weather is allowed once within one week from the date of the originally scheduled event upon 24-hours written notice to the City, without a new request. The time of event operation shall remain the same.)

N/A (Indoor/Outdoor Event)

LOCATION OF EVENT

(i.e., Amphitheater area
of Finlay Park; 1300 and 1400 blocks
of Main Street between Lady Street
and Hampton Street)

1515 Main Street, Columbia S.C. 29201 (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)

None

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

N/A

HOURS OF EVENT

(i.e., 6:00 p.m. - 10:00 p.m.)*

5 p.m. - 11:30 p.m.

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 6-9:30 p.m.)*

Up to 9:30 p.m. (Outdoor)

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 events 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.).

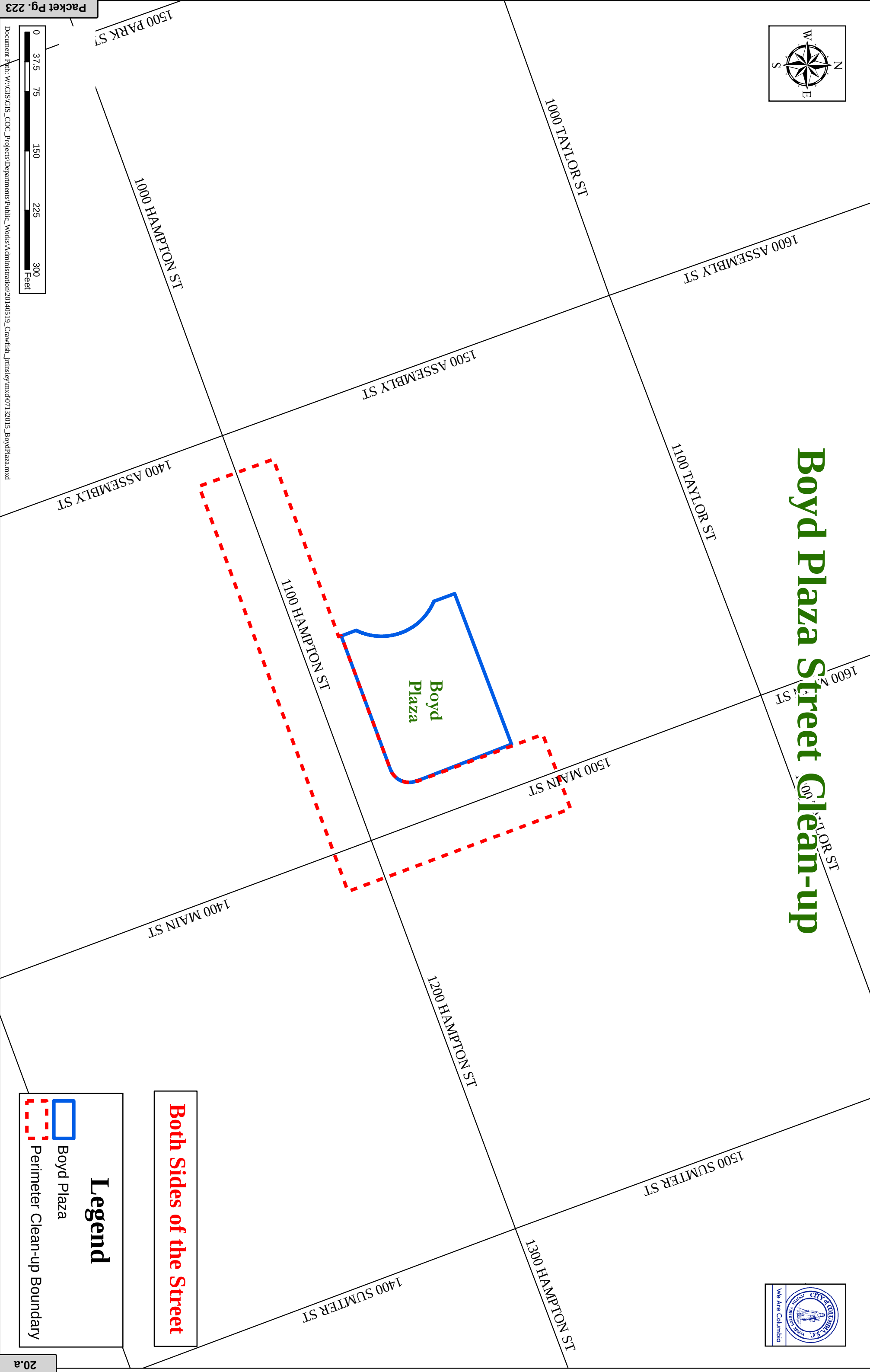
This form **should not** be used to request use of City property for **private** events (birthday, retirement, anniversary parties, etc.) nor for sidewalk sales or neighborhood block parties. Requests for private events at City parks should be made through the Parks and Recreation Department. Requests 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., 803-545-3703; cfdgadams@columbiasc.netLegal Department - Shari Ardis; 803-737-4242; slardis@columbiasc.net or fax 803-737-4250 - resolution preparationPolice Department Special Events - Officer Robert Hall; 803-545-3535; rjhall@columbiasc.net parade permit, policeParks and Recreation - Pearl Osborne; 803-545-3100; peosborne@columbiasc.net park reservationsPolice Department Community Services - Brenda Murphy; 803-545-3507; bmmurphy@columbiasc.net - street closing

Last revised: 1/2017



Boyd Plaza Street Clean-up



Both Sides of the Street

Legend

-  Boyd Plaza
-  Perimeter Clean-up Boundary



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We Are Columbia

MEETING DATE: June 20, 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: First reading approval was given on June 13, 2017.

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)

HISTORY:

06/13/17

Columbia City Council

APPROVED ON FIRST READING

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 \$17.28	\$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

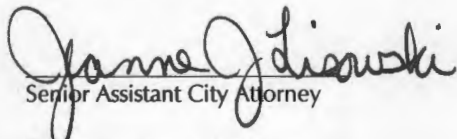
Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:


Senior Assistant City Attorney

City Clerk

Public Hearing: 6/13/2017

Introduced: 6/13/2017

Final Reading:



We Are Columbia

MEETING DATE: June 20, 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: First reading approval was given on June 13, 2017.

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)

HISTORY:

06/13/17

Columbia City Council

APPROVED ON FIRST READING

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 20, 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: First reading approval was given on June 13, 2017.

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)

HISTORY:

06/13/17

Columbia City Council

APPROVED ON FIRST READING

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 20, 2017

DEPARTMENT: Human Resources

FROM: Pam Benjamin,

SUBJECT: May 2017 Employee of the Month - Mr. Clint Shealy, Director of Utility Operations

FINANCIAL IMPACT: Mr. Christopher Lampkin, Maintenance Coordinator

ATTACHMENTS:

- **#a:** May 2017 EOM Nomination (DOC)
- **#b:** May 2017 EOM Nomination2.doc (DOCX)



EMPLOYEE OF THE MONTH NOMINATION FORM

NAME OF NOMINATED EMPLOYEE: Christopher Lampkin

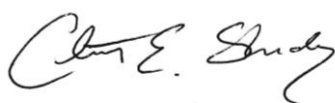
EMPLOYEE'S DEPARTMENT/DIVISION: Utility Operations / Canal Water Treatment Plant

Employee's Title: Maintenance Coordinator Date of Hire: May 14, 2014

Name of Nominator: Gordon Alexander Date: April 20, 2017

Signatures of supervisor, division head, department head and if applicable, Assistant City Manager:

Name:  Title: Asst. Supt., Canal Plant

Name:  Title: Department Head

Name: _____ Title: City Manager

Nominator should provide three other employees' names who may be contacted concerning the work of the nominated employee.

Name: Trey Varn Division: Asst. Supt., Lake Murray Plant

Name: Jonathan Sherer Division: Water Plants Engineer

Name: Kristopher Kinard Division: Lake Murray Water Plant

CRITERIA FOR BEING NOMINATED EMPLOYEE OF THE MONTH

- ❖ The nominated employee must have been employed by the City of Columbia for at least one (1) full year.
- ❖ The nominated employee must have low absenteeism and tardiness.
- ❖ The nominated employee must have maintained and projected a positive attitude and a willingness to get along well with co-workers and the public.
- ❖ The nominated employee must have shown a willingness to perform any assigned duties in the highest standards possible and enhanced the department's ability to better serve the citizens of the City of Columbia.
- ❖ The nominated employee must have maintained a professional appearance and manner.
- ❖ The nominated employee must have demonstrated an allegiance to the City and be a team player who supports others' efforts to achieve the goals of the City of Columbia.
- ❖ The nominated employee should have earned the respect of co-workers.
- ❖ Special considerations may be given to employees who participate in extracurricular activities that benefit the City of Columbia.

THE DETAILED NARRATIVE MUST CITE SPECIFIC EXAMPLES THAT DEMONSTRATE THE CRITERIA FOR NOMINATION OF THIS AWARD. NOMINATIONS RECEIVED THAT DO NOT MEET THE CRITERIA WILL NOT BE CONSIDERED.

Employee of the Month Nomination Narrative – Christopher Lampkin

Chris is a dedicated and hard-working employee who consistently goes the extra mile to make sure the Canal Water Treatment Plant (WTP) equipment is working properly. He fully understands the importance of providing safe drinking water to our customers and takes his job very seriously. Chris does an excellent job coordinating with Operations staff to fully understand their concerns and needs. Chris has taken on progressive responsibility and was recently promoted from an Instrumentation and Control Technician to the WTP Maintenance Coordinator. He is also currently serving as the acting Maintenance Supervisor for the plant, providing direction and oversight for a staff of six and managing the maintenance activities for one of the largest surface water treatment plants in South Carolina. During the past year, Chris has attended electrical, instrumentation and hazardous materials training in order to further his skills to benefit the City.

Chris was instrumental in rolling out a new maintenance management system for the Canal WTP this year. He effectively utilizes this new system to schedule and direct staff to perform preventive and corrective maintenance for the equipment on the plant site and all pumping stations, storage tanks, and pressure regulating valves in approximately one-half of our water distribution system.

Chris is well respected by his peers and promotes a positive attitude in the workplace. He leads by example and promotes a family oriented atmosphere of teamwork and collaboration.



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Human Resources

FROM: Pam Benjamin,

SUBJECT: June 2017 Employee of the Month - Mr. William "Skip" Holbrook, Columbia Police Chief

FINANCIAL IMPACT: Ms. Pearlina Williams-Burke, Executive Assistant

ATTACHMENTS:

- **#a:** June2017 EOM (PDF)



EMPLOYEE OF THE MONTH NOMINATION FORM

NAME OF NOMINATED EMPLOYEE: Pearlina Williams-Burke

EMPLOYEE'S DEPARTMENT/DIVISION: Police Department/Office of the Chief

Employee's Title: Executive Assistant Date of Hire: 04-08-1985

Name of Nominator: William H. Holbrook Date: 05-05-2017

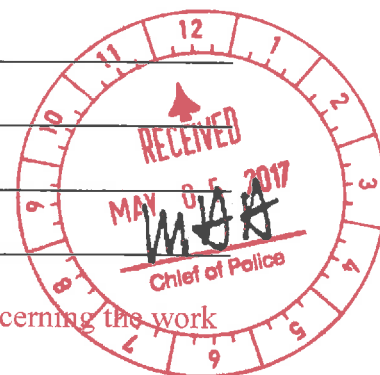
Signatures of supervisor, division head, department head and if applicable, Assistant City Manager:

Name: W. H. Holbrook Title: Supervisor

Name: W. H. Holbrook Title: Division Head

Name: W. H. Holbrook Title: Department Head

Name: _____ Title: City Manager



Nominator should provide three other employees' names who may be contacted concerning the work of the nominated employee.

Name: Major Rick Hines Division: Administrative Services Bureau

Name: Major Randy Martin Division: Special Operations Division

Name: Deputy Chief Melron Kelly Division: Office of the Chief

CRITERIA FOR BEING NOMINATED EMPLOYEE OF THE MONTH

- ❖ The nominated employee must have been employed by the City of Columbia for at least one (1) full year.
- ❖ The nominated employee must have low absenteeism and tardiness.
- ❖ The nominated employee must have maintained and projected a positive attitude and a willingness to get along well with co-workers and the public.
- ❖ The nominated employee must have shown a willingness to perform any assigned duties in the highest standards possible and enhanced the department's ability to better serve the citizens of the City of Columbia.
- ❖ The nominated employee must have maintained a professional appearance and manner.
- ❖ The nominated employee must have demonstrated an allegiance to the City and be a team player who supports others' efforts to achieve the goals of the City of Columbia.
- ❖ The nominated employee should have earned the respect of co-workers.
- ❖ Special considerations may be given to employees who participate in extracurricular activities that benefit the City of Columbia.

THE DETAILED NARRATIVE MUST CITE SPECIFIC EXAMPLES THAT DEMONSTRATE THE CRITERIA FOR NOMINATION OF THIS AWARD. NOMINATIONS RECEIVED THAT DO NOT MEET THE CRITERIA WILL NOT BE CONSIDERED.

MEMORANDUM



To: Ms. Terri Hooper, Human Resources Manager
From: Chief William H. "Skip" Holbrook
Date: May 5, 2017
Re: June 2017 Employee of the Month Nomination

Ms. Williams-Burke has been employed with the City of Columbia for 32 years (26 of those years at the Columbia Police Department). She has held numerous administrative assignments throughout the department during her many years of service. Ms. Williams-Burke earned a Bachelor of Arts Degree in Child and Family Studies from Columbia College in 2011; Ms. Williams-Burke completed her studies while working full-time as the Administrative Assistant in the South Region. She very seldom takes leave or is absent from work. In fact, she has surpassed her maximum accumulated leave for available sick leave time and is at her maximum for available annual leave. Ms. Williams-Burke displays a strong work ethic, going above what is required to assist the public and co-workers alike which is so vital to achieving our goals. She continues her professional development by taking advantage of training classes offered through the City/Police Department (most recently completing a Survival Spanish course to enhance her ability to communicate with members of the Hispanic and Latino communities needing assistance from my office). She is an active member of the City of Columbia Toastmasters Club, and a Notary Public for the State of South Carolina.

In April 2014, subsequent to my appointment as Chief of Police, Ms. Williams-Burke was temporarily assigned to the Office of the Chief to assist with my transition. In October 2014, after a competitive interview process, Ms. Williams-Burke was selected for permanent assignment as the Executive Assistant for the Chief of Police.

Leadership transition at the top of any law enforcement organization can be difficult and stressful, especially when new leadership comes from outside the agency. Since the day I arrived at Columbia Police Headquarters, Ms. Williams-Burke has performed exceptionally. Her institutional knowledge of traditions, processes and work flow has been invaluable to me during these last three years. She possesses the skillset, professional demeanor and enthusiasm that is needed for an executive assistant to be successful. I have found her to always be on time, professionally dressed, organized and prepared for each day.

Independent of her acquired knowledge and skills, it's her intangible attributes that I appreciate and depend on mostly ... sound judgment, confidentiality, loyalty, respectful and an unwavering commitment to me, the Columbia Police Department and the City of Columbia.

Simply stated ... I could not do my job without her. It is for these reasons that I enthusiastically nominate Pearlina Williams-Burke for the City of Columbia's June Employee of the Month.

Respectfully,



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Office of the Mayor

FROM: *Stephen Benjamin, Mayor*

SUBJECT: Alzheimer's and Brain Awareness Month Proclamation - The Honorable Mayor Stephen K. Benjamin

PRESENTER: Stephen K. Benjamin

FINANCIAL IMPACT:

CLEAN WATER 2020?: No

ATTACHMENTS:

- **#a:** Alzheimer's Proclamation (DOC)



City of Columbia
A Proclamation of Alzheimer's & Brain Awareness Month

WHEREAS, June is deemed National Alzheimer's and Brain Awareness Month in the United States; and

WHEREAS, more than 5 million people in the United States are currently affected by Alzheimer's disease, making it the most common form of dementing illness; and

WHEREAS, in South Carolina and the United States, Alzheimer's is the 6th leading cause of death; and

WHEREAS, in 2014, 1,938 individuals died from Alzheimer's disease, giving South Carolina the 8th highest Alzheimer's death rate in America; and

WHEREAS, South Carolina has also seen a 122% increase in Alzheimer's deaths since 2000; and

WHEREAS, unless a cure or means of prevention is discovered for Alzheimer's disease, an estimated 16 million Americans will be affected by the year 2050; and

WHEREAS, Alzheimer's disease and other dementias cost the United States more than \$259 billion annually, with an estimated increase up to \$1.1 trillion by the year 2050; and

WHEREAS, an increase in public awareness about Alzheimer's disease and the Alzheimer's Association may stimulate the interest and concern of the American people, which may in turn lead to increased research and eventually to the discovery of a cure for Alzheimer's disease.

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 the month of June 2017 to be

Alzheimer's & Brain Awareness Month

in the great City of Columbia and urge my fellow citizens to recognize and participate in its observance.

Stephen K. Benjamin
Mayor

Sam Davis
District I, Council Member

Howard E. Duvall, Jr.
At-Large, Council Member

Daniel Rickenmann
District IV, Council Member

Tameika Isaac Devine
At-Large, Council Member

Edward H. McDowell, Jr.
District II, Council Member



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Introduction of Ms. Ann Dawson August, CCTM, Interim
Executive Director of the COMET

FINANCIAL IMPACT:

STRATEGIC GOALS: Collaborate and partner with entities



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Clerk

FROM: *Erika Moore, City Clerk*

SUBJECT: Homeless Court Update - Mr. George Cauthen, Esq.

FINANCIAL IMPACT:

STRATEGIC GOALS: Foster a healthy quality of life



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Walkable 29203 Pedestrian Plan - request adoption of the Walkable 29203 Plan as an addendum to the City of Columbia's Comprehensive Plan Transportation Element subsection 8.2.3 Pedestrian and Bicycle Facilities: Walk Bike Columbia: Pedestrian & Bicycle Master Plan.

PRESENTER: Leigh DeForth, Comprehensive Planner

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** 2017-033 Adopt the Walkable 29203 Pedestrian Plan as an addendum to Comprehensive Plan 2018 (PDF)
- **#b:** CPLAN - Walkable 29203 Case Summary (PDF)

ORDINANCE NO.: 2017-033

Adopting the Walkable 29203 Plan be adopted as an addendum to The Columbia Plan 2018, Transportation Element Subsection 8.2.3 Pedestrian and Bicycle Facilities: Walk Bike Columbia: Pedestrian and Bicycle Master Plan

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, the residents of the 29203 zip code suffer disproportionately from health issues, poverty, and lack of access to a personal vehicle when compared to the Midlands and South Carolina as a whole; and,

WHEREAS, the Walkable 29203 Plan was sponsored by the South Carolina Department of Health and Environmental Control (DHEC) as part of the SC PHASE Pedestrian Planning Project in order to facilitate walkability, pedestrian safety, equity-based planning, community engagement, and safe pedestrian access to healthy foods within the 29203 zip code; and,

WHEREAS, the Walkable 29203 Plan builds upon prior planning efforts, including the Villages of North Columbia Master Plan (City of Columbia), the Crane Creek Master Plan (Richland County), and the Walk Bike Columbia Pedestrian and Bicycle Master Plan (City of Columbia); and,

WHEREAS, the Walkable 29203 Plan was developed in partnership with community members, the City of Columbia, and Richland County; and,

WHEREAS, DHEC, in partnership with the City and County, undertook an extensive public participation process in order to develop the Plan;

WHEREAS, the Walkable 29203 Plan is meant to serve as guidance for elected and appointed officials and City staff when making decisions about infrastructure improvements, amendments to local ordinances, and development reviews where applicable;

WHEREAS, the City of Columbia Planning Commission has reviewed the Walkable 29203 Plan, has received input from members of the public, and has recommended that City Council adopt said plan; NOW, THEREFORE,

BE IT ORDAINED by the Mayor and City Council of the City of Columbia this __ day of _____, 2017, that the Walkable 29203 Plan, a copy of which is attached hereto, is hereby adopted as an addendum to *The Columbia Plan 2018, Transportation Element Subsection 8.2.3 Pedestrian and Bicycle Facilities: Walk Bike Columbia: Pedestrian & Bicycle Master Plan* and is effective as of final reading of this ordinance; and

LEGAL DEPARTMENT DRAFT

BE IT FURTHER ORDAINED that copies of the Walkable 29203 Plan, as an addendum to *The Columbia Plan 2018*, Transportation Element Subsection 8.2.3 Pedestrian and Bicycle Facilities: Walk Bike Columbia: Pedestrian & Bicycle Master Plan, be made available for public inspection and copying in the offices of the City Clerk and the Planning and Development Services Department; and

BE IT FURTHER ORDAINED that the Mayor and City Council of the City of Columbia direct the City Manager and City Departments to begin implementation of the Walkable 29203 Plan; and

BE IT FURTHER ORDAINED that the City of Columbia should periodically review the Walkable 29203 Plan.

Requested by:

Assistant City Manager Gentry

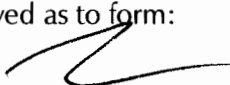
Mayor

Approved by:

City Manager

Approved as to form:

ATTEST:



City Attorney

City Clerk

Introduced:

Final Reading:



CITY COUNCIL

June 20, 2017 at 6:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

Comprehensive Plan Amendment Case Summary: Walkable 29203 Pedestrian Plan

City Council District:	1 & 2
Proposal:	Request adoption of the Walkable 29203 Plan as an addendum to the City of Columbia's Comprehensive Plan Transportation Element subsection 8.2.3 Pedestrian and Bicycle Facilities: Walk Bike Columbia: Pedestrian & Bicycle Master Plan.
Applicant:	City of Columbia
Staff Recommendation:	Approval
PC Informational Presentation:	02/06/2017
PC Recommendation:	03/06/2017; Cancelled 03/20/2017; Approval (6-0)
PH, 1 st Reading:	06/20/2017; PENDING
2 nd Reading:	07/18/2017; PENDING

SUMMARY

Introduction to Plan:

The Walkable 29203 Plan identifies new opportunities to create more walkable places in the 29203 zip code, with a focus on two key planning areas: the North Main Planning Area in the City of Columbia, and the Crane Creek Planning Area in unincorporated Richland County. This plan was developed by Alta Planning + Design as part of DHEC's SC PHASE Pedestrian Planning project. This project used CDC funding to increase pedestrian planning efforts across South Carolina, and has targeted 16 communities throughout the state. Beyond the basic tenets of walkability and pedestrian safety, key elements of the program initiative are: 1) equity-based planning 2) community engagement and 3) safe pedestrian access to healthy foods. In consultation with Alta, DHEC's Division of Nutrition, Physical Activity, and Obesity and regional staff chose the community within the zip code 29203 as one of the 16 communities for the opportunity to receive pedestrian planning services, and have partnered with both City and County planners on this initiative. More information about the planning process and Plan can be found online here: [Walkable 29203 website](#).

The Study Area:

The 29203 zip code encompasses the northern edge of the City of Columbia, and extends northward into suburban and rural Richland County. DHEC selected this area as residents of the 29203 zip code suffer disproportionately from health

issues, poverty, and lack of access to a personal vehicle when compared to the Midlands and South Carolina as a whole. The primary focus areas within the 29203 zip code are the North Main planning area and the Crane Creek planning area. These planning areas were defined by previous planning efforts, specifically the Villages of North Columbia Master Plan and the Crane Creek Master Plan. The North Main (often referred to as NOMA) and Crane Creek communities are defined by strong residential neighborhoods with varying road typologies ranging from quiet neighborhood streets to major arterials. Many of these corridors that branch across the area lack pedestrian amenities and have seen considerable commercial disinvestment. Improving walking conditions and making logical network connections to key destinations and major activity centers can energize these static, uninviting corridors and improve quality of life for all residents.

Purpose:

Safety is key in encouraging and sustaining pedestrian activity. State traffic collision data show that Richland County has a pedestrian fatality rate of 2.3 deaths per 100,000 people, which is equivalent to the state rate. Almost two out of every three (65%) pedestrian fatalities in Richland County occurred on arterial roads. Finding ways to draw this rate closer to zero in the 29203 zip code will be an important goal for promoting walkability. As summarized by the plan, increased walkability has the potential to improve: the local economy, physical and mental health, safety for all road users, and the environment.

Summary of the Plan and Organization:

The Plan analyzes the existing conditions in the 29203 zip code, including a demographic analysis and a review of prior planning efforts that affect the zip code. The Plan examines pedestrian safety, equity, healthy food access, and active space access in the 29203 area. Further analysis is made of both the Crane Creek and North Main planning areas, and specific recommendations for both policies and infrastructure improvements identified.

Area-wide policy recommendations include:

- the adoption of a Vision Zero policy;
- the inclusion of the planning areas in annual pedestrian and bicycle counts;
- coordination with DHEC's Healthy Corner Store initiative;
- participation in the South Carolina Farm-to-Institution and Farm-to-School Programs; and
- the incorporation of bike- and ped-oriented design specifications into Engineering Standards.

North Main Planning Area recommendations include:

- the development of a high-profile pedestrian media campaign;
- collaboration between CPD and the community to aid in traffic safety enforcement for all road users;
- the development and implementation of a North Main Safe Routes to Schools initiative;
- improving the streetscape through the development of right-of-way gardens, neighborhood little free libraries, and neighborhood walking tours; and
- spot and corridor infrastructure improvements, with priority projects along Monticello Road and Frye Road.

Project Vision:

"In greater Columbia, SC, the walkability of the 29203 area encourages healthy lifestyles, increases resident safety, improves access to destinations, and furthers economic development opportunities. Walking for transportation, recreation, and exercise in the Crane Creek and North Main communities is safe, practical, and enjoyable. Residents have a high quality of life and are connected to one another and to local community resources. The visions set forth in community planning efforts to-date are being realized with annual investments and improvements to both the Crane Creek and North Main planning areas."

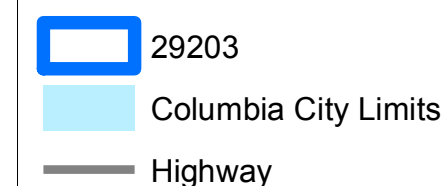
Future Steps:

The document, if adopted by City Council, will serve as guidance for elected and appointed officials and City staff when making decisions about infrastructure improvements, amendments to local ordinances, and development reviews where applicable.

STAFF RECOMMENDATION

Staff recommends to City Council the adoption of an ordinance to adopt the Walkable 29203 Plan as an addendum to the City of Columbia's Comprehensive Plan Transportation Element subsection 8.2.3 Pedestrian and Bicycle Facilities: Walk Bike Columbia: Pedestrian & Bicycle Master Plan.

Walkable 29203 Study Area

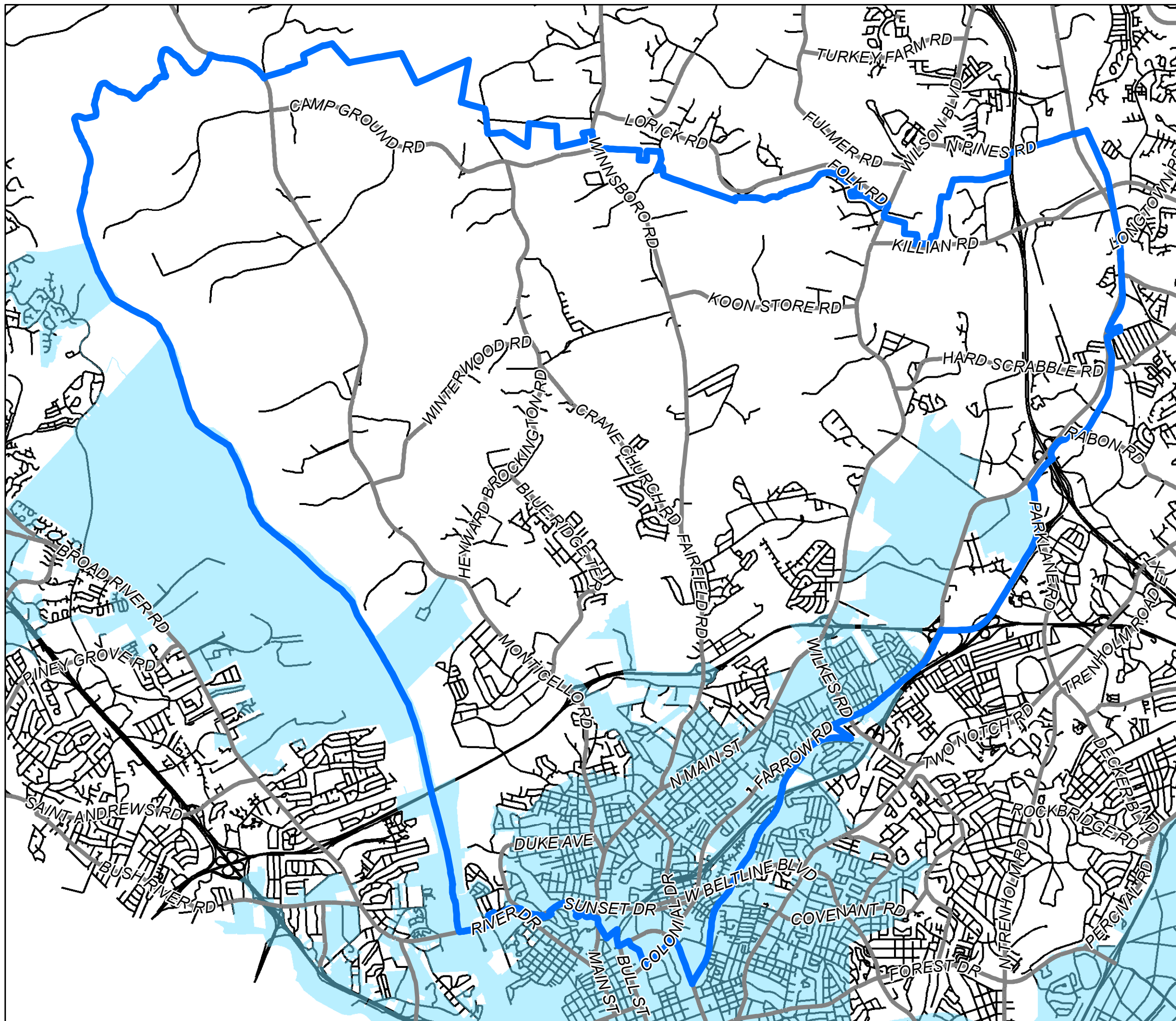


This map was prepared by:

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City of Columbia - Planning & Development Services
Tuesday, January 03, 2017

**CITY OF COLUMBIA
GIS DATA DISCLAIMER**

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WALKABLE 29203



Crane Creek & North Main Areas Pedestrian Master Plan

OCTOBER 2016

ACKNOWLEDGEMENTS

PUBLIC PARTICIPANTS

The project team would like to recognize and express appreciation for the myriad of individuals who participated in the development of this plan. The vision and ideas you shared for the 29203 community provided the foundation of this study. Your support will be critical to the development of more safe and walkable neighborhoods.

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PROJECT VISION

In greater Columbia, SC, the walkability of the 29203 area **encourages healthy lifestyles**, increases resident **safety**, improves access to destinations, and furthers economic development opportunities. Walking for **transportation, recreation, and exercise** in the Crane Creek and North Main communities is **safe, practical, and enjoyable**. Residents have a **high quality of life** and are **connected** to one another and to local community resources. The visions set forth in community planning efforts to-date are being realized with annual investments and improvements to both the Crane Creek and North Main planning areas.

PROJECT GOALS

- Move the recommendations of prior plans in Crane Creek and North Main closer to **implementation**
- **Improve pedestrian connectivity** to grocery stores, community garden sites, local parks, and schools
- Prioritize **pedestrian safety** needs by improving crossing conditions on major roads and filling critical sidewalk gaps
- Leverage a **strong neighborhood network** and **sense of pride** through place-making projects and community programs
- Create synergy between **local healthy food production** and residents' access to that food
- Leverage the **existing trail network** to better **link residents** and visitors to **parks, trails, the Broad River, and downtown Columbia**
- Invest in **new trails** and connectors that **close gaps** between neighborhoods and in the overall pedestrian network
- Capitalize on **new investments** like the North Main TIGER-funded roadway project and the Crane Creek Park to support further **walkability investments**
- Improve **access to transit** and **pedestrian safety** at transit stops



SECTION I: PROJECT OVERVIEW

CHAPTER 1 Introduction

CHAPTER 2 Data Collection &
Analysis

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1

Introduction

PROJECT BACKGROUND

Through a recent grant from the Centers for Disease Control and Prevention (CDC), the South Carolina Department of Health and Environmental Control (DHEC) is leading an effort to increase pedestrian planning efforts throughout South Carolina. The effort is part of the DHEC South Carolina Prevention and Health Across Systems and Environments (SC PHASE) Pedestrian Planning Project.

SC PHASE Pedestrian Planning is a 3 year project to develop pedestrian plans for 16 communities in specific counties throughout the state. **Beyond the basic tenets of walkability and pedestrian safety, key elements of the program initiative are:**

- **Equity-based planning**
- **Community engagement**
- **Safe pedestrian access to healthy foods**

The 29203 zip code in Richland County is one of the 16 communities to participate in SC PHASE Pedestrian Planning.

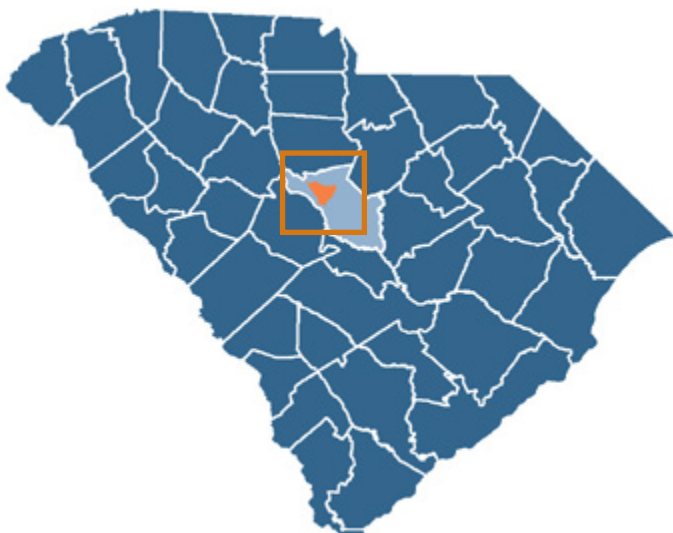
Pedestrian plans and policies play a critical role in fostering more walk-friendly communities by establishing the conditions that support and encourage safe walking environments. Such plans provide the basis for new community norms where walking is seen as practical and appealing for people of all ages and abilities by providing for the infrastructure, programs, and amenities to support healthy choices and active transport. With 25.1 percent of South Carolinian adults reporting no leisure-time physical activity, and 56.6 percent of high school students reporting not being physically active on five or more days, **finding ways to support more walking as an accessible and convenient form of physical activity will be vital to improving the health of South Carolina's residents.**

COMMUNITY CONTEXT

The 29203 zip code encompasses the northern edge of the City of Columbia, the capital and largest city in the state, and extends northward into suburban and rural Richland County, South Carolina. Columbia serves as the seat of Richland County, part of a larger metro area of approximately 800,000 that is also home to the University of South Carolina flagship campus.

The 29203 zip code and greater Columbia are located in the Midlands region of South Carolina, near the confluence of the Broad River and the Saluda River. The Congaree National Park borders the city to the southeast and is a notable recreation and wildlife destination.

In the 1990s and 2000s, downtown Columbia experienced rapid revitalization, particularly in the historic Congaree Vista district near the Congaree River. Main Street in particular is a continued focus for investment. Many historic buildings are being redeveloped on Main Street along with major ongoing economic development projects and streetscape beautification efforts.



Reference map of the 29203 zip code within Richland County and the state.

Columbia has a council-manager form of government, with a 6-member city council and mayor. The city is divided into four districts with two at-large city councilors. The portions of the 29203 zip code that are located in the City of Columbia fall within Districts 1 and 2. Columbia has a full service city government, with departments that oversee planning and development, streets, traffic engineering, and parks and recreation.

The Central Midlands Council of Governments encompasses Columbia and Richland County and provides funding to active transportation projects in the region. The Central Midlands Regional Transit Authority (CMRTA) manages mass transit in the Columbia area, including Monticello Road.



Angelo's Zesto has served customers passing along North Main Street since it opened in the 1940s. Creating pedestrian access to neighborhood destinations like this one is critical to improving quality of life.

¹ U.S. Census Bureau, 2010 Census.

The primary focus areas within the 29203 zip code are the North Main planning area and the Crane Creek planning area. These planning areas were defined by previous planning efforts, specifically the Villages of North Columbia Master Plan and the Crane Creek Master Plan. (A review of these previous plans can be found on page 23).

The North Main (often referred to as NOMA) and Crane Creek communities are defined by strong residential neighborhoods with varying road typologies ranging from quiet neighborhood streets to major arterials. Many of these corridors that branch across the area lack pedestrian amenities and have seen considerable commercial disinvestment. Improving walking conditions and making logical network connections to key destinations and major activity centers can energize these static, uninviting corridors and improve quality of life for all residents.

The adjacent community profile presents a snapshot view of the interplay between walkability and socioeconomic conditions for residents of 29203.



COMMUNITY PROFILE

The racial make-up of the community within the 29203 zip code is predominantly Black (or African American) — with 81.5% of residents identifying as such and 14.3% of residents identifying as White. For comparison, Richland County is 45.9% Black (or African American) and 47.1% White, and South Carolina as a whole is 27.7% Black (or African American) and 67.2% White.

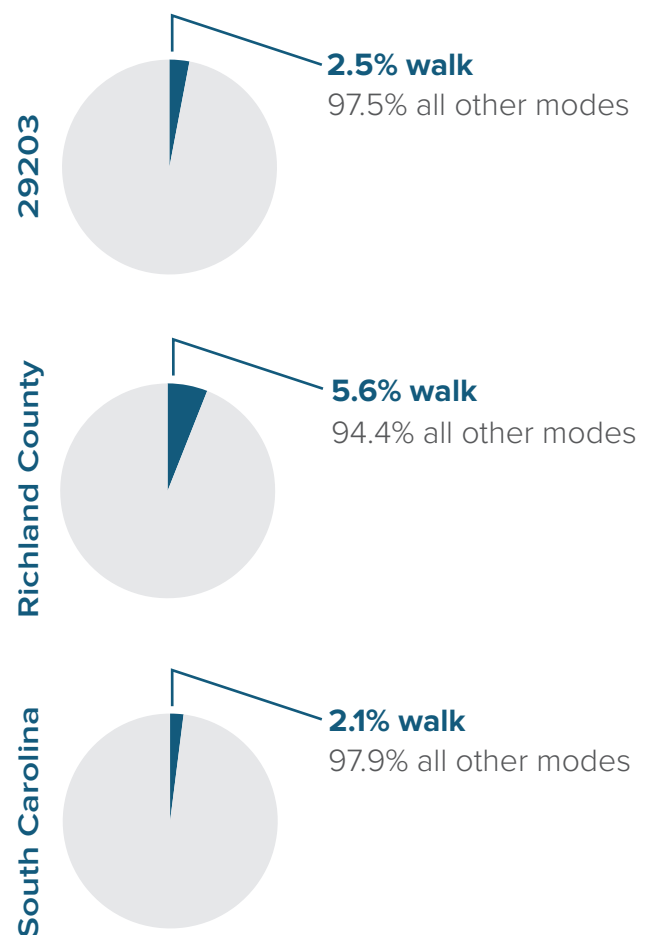
The median income for households in the 29203 zip code is \$30,333, a figure that is 38% below that of the county (\$48,674) and two-thirds of the median income for all of South Carolina (\$45,033).²

Over one-fifth (20.9%) of the labor force in the 29203 zip code is unemployed, compared to 10.4% and 10.6% for the county and state, respectively. Given this lower income level and higher rate of unemployment, it is not surprising then that **32.2% of all people in the 29203 zip code live below the poverty level.** The rate of poverty at the state level is drastically lower at 18.3% for comparison.

In terms of mode share, nearly 78.7% of area residents commute to work in private vehicles. A regionally significant percentage (9.1%) of residents carpool to work. Almost three percent of residents commute via public transportation, which is well above the county rate of 1.1% and 0.6% at the state level. Since most people walk to transit stops, it is important to ensure that adequate pedestrian facilities are in place in order to support and continue to encourage walking as a healthy and safe mode of travel. Two and a half percent of the working population walk to work compared to

5.6% for Richland County and just 2.1% for the state. Additionally, 28% of residents are within a 15 minute commute to work, which suggests potential for large growth in walking and biking to work. These statistics are represented graphically in the figure below.

Walking as a percentage of commuting mode share per geography:



² U.S. Census Bureau, 2014 American Community Survey 5-Year Estimate. www.factfinder.census.gov

It is important to note that mode share does not paint a full picture of need and demand, however. Mode share data is collected through an American Community Survey question which asks for the “primary” way a resident gets to work. This excludes walking commutes that occur as a secondary mode (for example, walking to a bus) and also excludes trips to destinations other than work. Moreover, those **households in the 29203 zip code who do not have access to vehicles (7.3%** — almost 3 times higher than the county rate of 2.5%) and those households with access to only one vehicle (35.5%) **may walk out of necessity**, and residents who currently drive might opt to walk to work if a safe and comfortable walking environment with adequate facilities existed.

Safety is key in encouraging and sustaining pedestrian activity. State traffic collision data show that Richland County has a pedestrian fatality rate of 2.3 deaths per 100,000 people, which is equivalent to the state rate. Almost two out of every three (65%) pedestrian fatalities in Richland County occurred on arterial roads. Finding ways to draw this rate closer to zero in the 29203 zip code will be an important goal for promoting walkability.



A pedestrian push button placed at the crest of a berm, in front of a utility box, and where sidewalks are lacking prevent pedestrians from being able to use this facility that aids in a safe crossing. This is at the skewed intersection of Clement Drive, River Drive, and Route 16.



WHAT IS WALKABILITY?

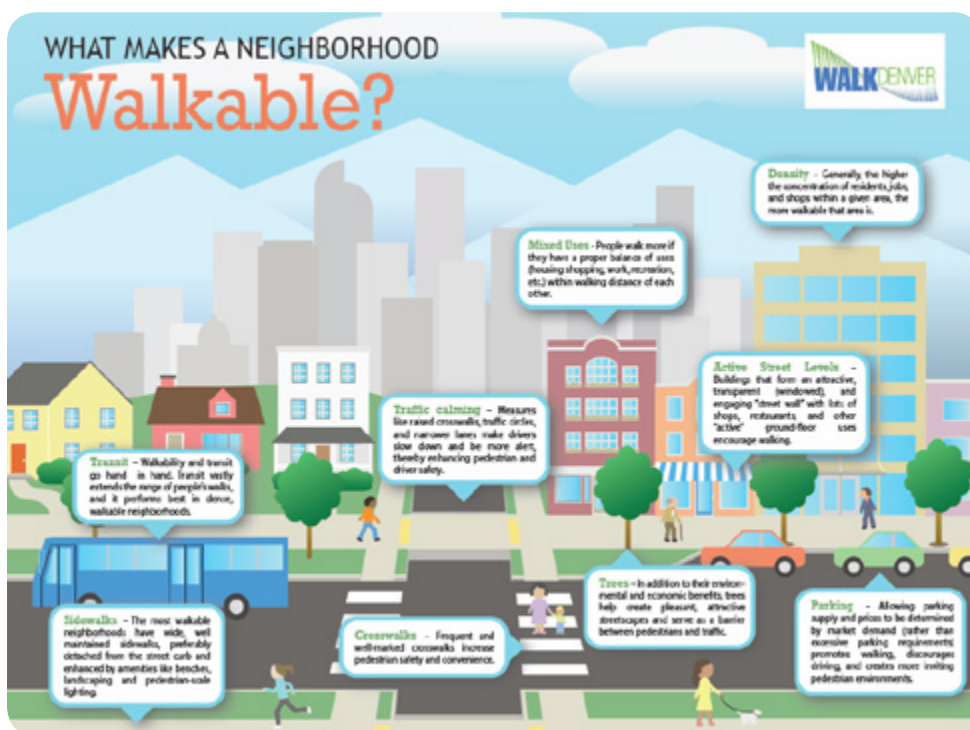
Walkability is more than the ability to walk. It is a holistic approach for evaluating a streetscape or community's design, and a means to understand the factors that influence and encourage pedestrian activity. The goals of a walkable place are multi-faceted and context-specific but typically strive for the following:

- Increase personal mobility by providing alternatives to driving private automobiles
- Increase personal mobility with ADA-accessible streetscapes
- Stimulate vibrancy in commercial and social realms of a community
- Increase access, proximity, and convenience to more destinations through a well-connected network of sidewalks, crosswalks, and walking trails
- Create an attractive place with inviting street orientations, landscaping, street furniture, and architectural design

There is no single, catchall walkability definition or one specific metric for measuring walkability. However, across the various attempts at a comprehensive definition, common themes emerge. Apart from the potentially obvious features that encourage walkability, like sidewalks and frequent, visible crossings, walkable places also incorporate the following key principles:

- Human-scaled environment
- Strong sense of place
- Physical access
- Connected walkways and street pattern
- Mix of land uses
- Density and location of facilities
- Managed parking

The community within the 29203 zip code is not yet an archetype of a walkable community, however, there is a basis of existing facilities and features that will support and contribute to the area's goal of becoming a more pedestrian-friendly space. This Plan presents opportunities to build off of those existing resources.



"What Makes a Neighborhood Walkable?" graphic from WalkDenver, a pedestrian advocacy group.

WHY PLAN FOR PEDESTRIANS?

Imagine 29203 in 20 years...

as a place where people choose to walk — not out of necessity, but because it is a convenient and enjoyable transportation choice.

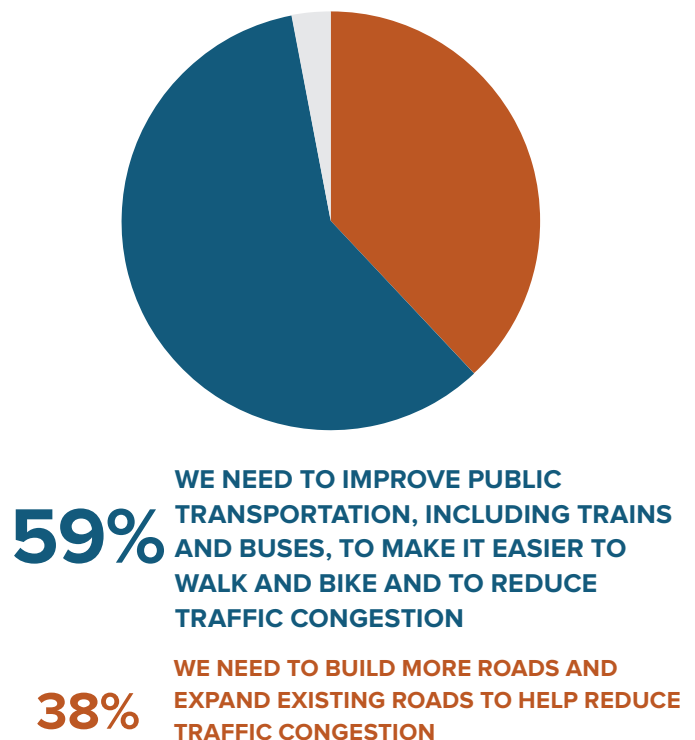
Development is well-designed and accessible so that residents have many of their everyday needs within walking distance. Pedestrian-friendly streets are prevalent throughout the community, and parents feel perfectly safe letting their children walk or bike to school, parks, or other destinations by themselves, or as part of an enjoyable and healthy family outing. Older adults who no longer drive can easily access grocery stores and medical appointments. Because the streets are safer and a growing pedestrian network connects more people to more places, people are walking in record numbers. Obesity rates decline, and families in all parts of the community can easily access healthy food. Serious pedestrian collisions have dropped substantially.

The cumulative result of this environment has resulted in substantial savings for the community and taxpayers. Road maintenance is less expensive as fewer cars are on the roads, and residents save money on gas while the air quality improves for everyone. Downtown attracts more local businesses that want to invest in a vibrant, active community and cater to the growing population.

An increasing number of communities and their leadership are seeing the potential of a future like this one; a future where better active transportation environments are critical parts of transforming and revitalizing our communities, making them more desirable places to live, work, and visit. This movement is a direct result of the nationwide demand for more livable communities and transportation options.

In 2010, Transportation for America conducted a nationwide survey that showed 59% of Americans in rural and urban areas preferred a transportation future that “[improves] public transportation and making it easier to walk and bike over building more roads and expanding existing roads.” See Figure 1.1 below. And 73% [of respondents felt] they ‘have no choice but to drive as much as they do’, with 57% desiring to spend less time in the car.”

Figure 1.1 Americans' Preference for Reducing Traffic Congestion



SUMMARY TABLE OF WALKABILITY BENEFITS

ECONOMIC BENEFITS	
Public infrastructure savings	Compact, walkable communities save costs on road building, maintenance other public infrastructure.
Attracts businesses	Walkable communities have lower vacancy rates and increasingly attract businesses that want to offer convenient amenities and short commutes.
Reduces individual transportation costs	Residents of walkable communities save money on costs associated with transportation, including vehicle ownership costs, operating costs, and parking costs.
Magnet for millennials and baby boomers	Demand for walkable communities is growing, especially among millennials and boomers – both generations that wish to drive less and be able to easily reach destinations on foot.
Increases housing values	Walkable communities have higher housing values and have higher stability than auto dependent communities during a recession.
Improves socioeconomic mobility	Walkable areas have concentrated amenities such as jobs that are easily accessible to low-income residents and provide greater opportunities for economic mobility.
Attracts visitors	Walkable communities attract tourist dollars with lively streets, engaging storefronts, short distances between attractions and a unique sense of place.
Attracts recreation spending	Walkable communities are great places for outdoor recreation. Multi-use trails and safe streets can attract bicyclists and events such as triathlons that pump money into the local economy.

HEALTH BENEFITS

Improves physical health	Places that encourage walking have lower rates of chronic disease related to physical inactivity such as diabetes, heart disease, and osteoporosis. A simple walk improves balance, limits sickness, strengthens muscles and builds bone mass, as well as burns more fat than jogging. People who live in walkable neighborhoods are two times as likely to get enough physical exercise as those who do not.
Improves mental health	Walkable communities can prevent the onset of cognitive decline and improve mental function. Walking can also prevent and reduce the symptoms of depression and anxiety, stimulating a sense of well-being through released endorphins.

SAFETY BENEFITS

Improves safety for all road users	Streets that are designed for pedestrians have safety benefits for all users of the road, including bicyclists and drivers. Sidewalks, medians, and traffic calming have particular direct effects. Safety in numbers - more people walking and biking - has proven to be an indirect safety improvement that reduces the risk of a collision.
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ENVIRONMENTAL BENEFITS

Improves air quality	By reducing the distance to amenities and increasing the safety of walking to destinations, more trips can be made by walking while reducing emissions and reliance on fossil fuels.
Preserves open space and greenspace	Compact, walkable development allows for more green space, water sources, and wildlife habitat to be preserved.

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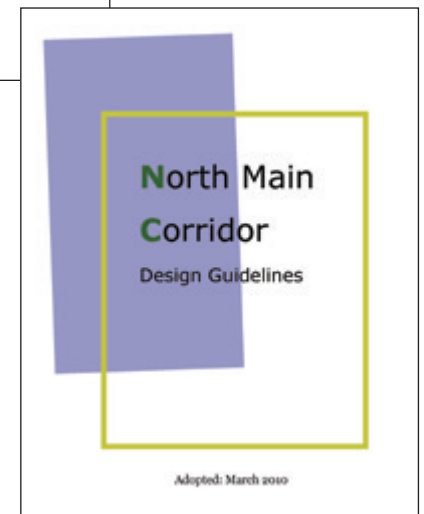
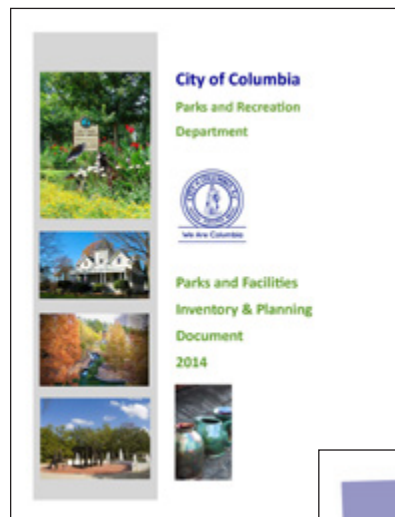
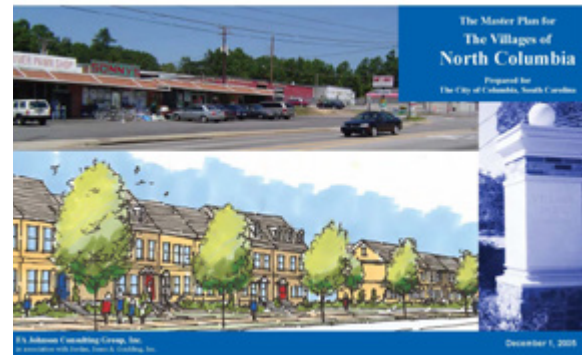
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Data Collection & Analysis

OVERVIEW

This chapter provides an overview of the major data collection and analysis findings related to the existing environment for walking within the 29203 zip code. The project team conducted field work to support this analysis and assessment during the initial discovery phase of the project. The information they gleaned and the critical findings of that analysis process are shared in the following chapter subsections:

- Review of Existing Planning Efforts
- 29203 Base Map
- Pedestrian Safety Analysis
- Equity Analysis
- Access to Healthy Foods Analysis
- Access to Active Spaces Analysis



REVIEW OF PREVIOUS PLANNING EFFORTS

This plan combines, updates, and refines previous pedestrian network recommendations to present a proposed future network. This section describes the recent planning efforts relevant to walkability and transportation in the 29203 zip code. The City of Columbia and Richland County have adopted six primary transportation planning documents in recent years. These documents are listed in the table below. Additionally, Richland County voters approved a penny sales tax for transportation projects in 2012, which is funding pedestrian and greenway projects including the 29203 zip code.

Common themes emerge across the different plans. These **themes center on the need for an improved quality of life, including active transportation and safe pedestrian access to recreation in 29203 zip code.** To achieve a vision for walkability, the plans include the following recommendations:

- Provide a seamlessly connected walking network
- Provide a well-maintained greenway system
- Promote access to alternative transportation
- Improve land use and urban design to enhance walkability and quality of life.

Plan	Agency	Year
Walk Bike Columbia	Central Midlands Council of Governments and City of Columbia	2015
Richland County Comprehensive Plan	Richland County	2015
Richland County Transportation Study Update	Richland County	2012
North Main Corridor Design Guidelines	City of Columbia	2010
Crane Creek Master Plan	Richland County	2009
Villages of North Columbia Master Plan	City of Columbia	2005

WALK BIKE COLUMBIA

In 2014, the Central Midlands Council of Governments commissioned the development of a pedestrian and bicycle master plan and bike share plan for the City of Columbia. The study area of Walk Bike Columbia encompasses most of the North Main planning area. It does not include the Crane Creek planning area.

The Plan was a robust effort to analyze existing conditions for pedestrians and bicyclists and provide recommended improvements for infrastructure, programs, and policies. The following analyses conducted for Walk Bike Columbia provide a basis for understanding needs and opportunities in the North Main area:

- Pedestrian collision analysis
- Pedestrian suitability analysis
- Public comments

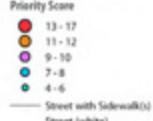
The Plan's recommendations include linear improvements (sidewalks), signalized crossing improvements, and unsignalized crossing improvements. The results of the Pedestrian Suitability Analysis formed the basis for these recommendations. A scoring process using prioritization criteria yielded an implementation plan categorized by seven phases.

The recommendations of the Plan include a high priority signalized intersection improvement at Sunset Drive and North Main Street, with mid-tier priority crossings identified near Ridgewood Ave, Monticello Road at North Main Street, and near Columbia College. Linear improvements that fall within the first three implementation phases are centered along North Main Street and concentrated near Sunset Drive.

Walk Bike Columbia also provides pedestrian infrastructure design guidelines that were adopted by the City of Columbia and referenced in this Plan.

Major Crossing Improvement Prioritization

Signalized Intersection Priority Score



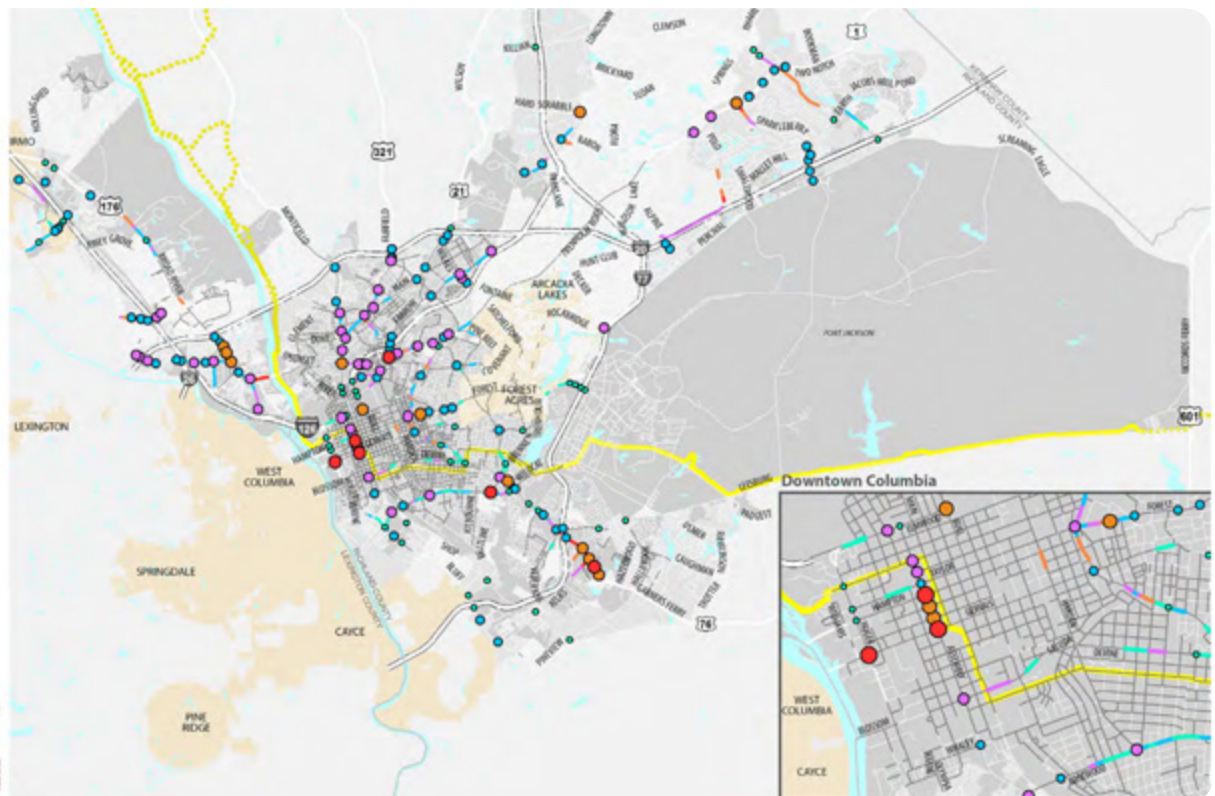
Uncontrolled/Midblock Crossing Priority Score



Legend



0 1 2 Miles



RICHLAND COUNTY COMPREHENSIVE PLAN

The *Richland County Comprehensive Plan* incorporates the area's unique history, environment and culture to guide future growth and development. The plan functions as a blueprint for how and where Richland County will grow over the next 20 years. To renew focus on land planning, the plan was updated in 2013. A set of guiding principles inform the recommendations, which includes a focus on bridging land use and infrastructure upgrades. Another guiding principle is the creation of Livable communities with accessible transportation options.

The comprehensive plan is organized into the following elements;

- Population
- Land use
- Housing
- Transportation
- Economic development
- Natural resources
- Cultural resources
- Community facilities
- Priority investments

The transportation element identifies existing issues and improvements that can be funded through the Transportation Penny sales tax. The tax revenue provides almost \$81 million for new bike and pedestrian facilities, and all Transportation Penny projects will follow a Complete Streets approach.

25-Year Funding Needs for County Pedestrian, Bicycle, and Greenway Projects as identified in the Richland County Transportation Plan Update

Ped/Bike/Greenway	(Amount in Millions of 2012 Dollars)			
	High Priority	Medium Priority	Long-Term Priority	Total
Bikeways	\$22.0	50.7	131.4	204.1
Greenways	\$14.2	\$58.0	\$10.6	\$82.8
Pedestrian Facilities	\$27.0	\$28.2	\$22.2	\$77.4
Additive Projects	\$2.9	-	-	\$2.9
Total Need from Sales Tax	\$66.1	\$136.9	\$164.2	\$367.2

RICHLAND COUNTY TRANSPORTATION PLAN UPDATE

The *Richland County Transportation Plan Update* assesses needs and prioritizes funds for projects over the next 25 years. According to the plan, the 25 year cost estimate for all pedestrian project improvements is \$77.4 million, 27 million of which is needed for priority projects (see table below). Pedestrian, bicycle, and greenway trail projects account for 16% of the total transportation needs in Richland County.

NORTH MAIN CORRIDOR DESIGN GUIDELINES

The North Main Street corridor is the primary gateway street to many neighborhoods in North Columbia. Design guidelines were initiated by the Villages of North Columbia Master Plan but provide a more detailed analysis of land use regulations and obstacles to redeveloping the North Main corridor.

The North Main Corridor forms one of the major corridors of the 29203 area and thus is one of the two main focus areas for the Walkable 29203 Pedestrian Master Plan. The guidelines call for standards that create a welcoming environment for people on foot such as parking behind buildings, and for direct pedestrian access to building entrances.

Design standards outlined in the guidelines include:

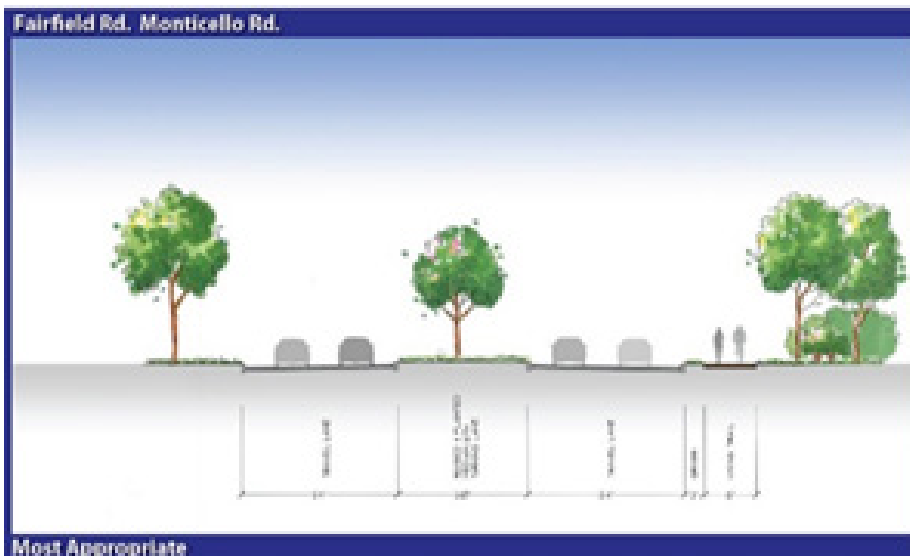
- Site planning
- Building design
- Parking placement
- Streetscapes

CRANE CREEK MASTER PLAN

The 29203 zip code includes the Crane Creek community in the north, and with the Crane Creek Master Plan as the basis for sustainable design principles in this area, the Crane Creek Community is the second of the two focus areas for the Walkable 29203 Pedestrian Master Plan. The Crane Creek Master Plan sets several goals relevant to creating a vibrant 29203 community:

- Reinvent the image of the Crane Creek community
- Create a walkable community with viable pedestrian and bike trails
- Increase community recreation facilities
- Preserve existing wetlands and create a community open space network

To achieve those goals, local residents were brought together for a design charrette to assess strengths, weaknesses, opportunities, and threats. Sidewalk connections and general connectivity were seen as opportunities for improvement. The charrette also produced a set of recommendations for development, open space, transportation, streetscapes, and utilities. Again, increasing road connectivity between



The Preferred Monticello Road cross-section from the Crane Creek Master Plan.

neighborhoods was listed, with the caveat that safety must be considered. For 29203 road streetscapes, recommendations include:

- Locate more sidewalks and complete gaps
- Security system needs to be present
- Sufficient street lights must be provided

A community image preference survey was used to determine favored designs for housing, mixed-use developments, and roads. For example, the preferred cross-section for Monticello Road includes buffered sidewalks with a landscaped median and a four-lane roadway.

Total cost estimates for streetscape improvements are also provided in the plan.

RICHLAND COUNTY PENNY SALES TAX FOR TRANSPORTATION

County voters approved a penny sales tax to fund transportation projects throughout Richland County. Monticello Road in Crane Creek is identified as a priority “Greenway” project from I-20 to the Three Rivers Greenway system.

VILLAGES OF NORTH COLUMBIA MASTER PLAN

The North Columbia Villages encompass twenty five neighborhood organizations in Richland County between the city center on the south, I-20 on the north, the Broad River to the west, and Farrow Road to the west.

The large neighborhood cluster includes portions of Monticello Road as well as Columbia College, the Lutheran Seminary, numerous parks and other amenities. Committee meetings and community workshops identified five primary goals:

1. Reinvent the image of North Columbia
2. Preservation of existing single-family neighborhoods
3. Develop supportive retail services
4. Maintain and develop new parks and community open spaces
5. Increase educational services and outreach programs

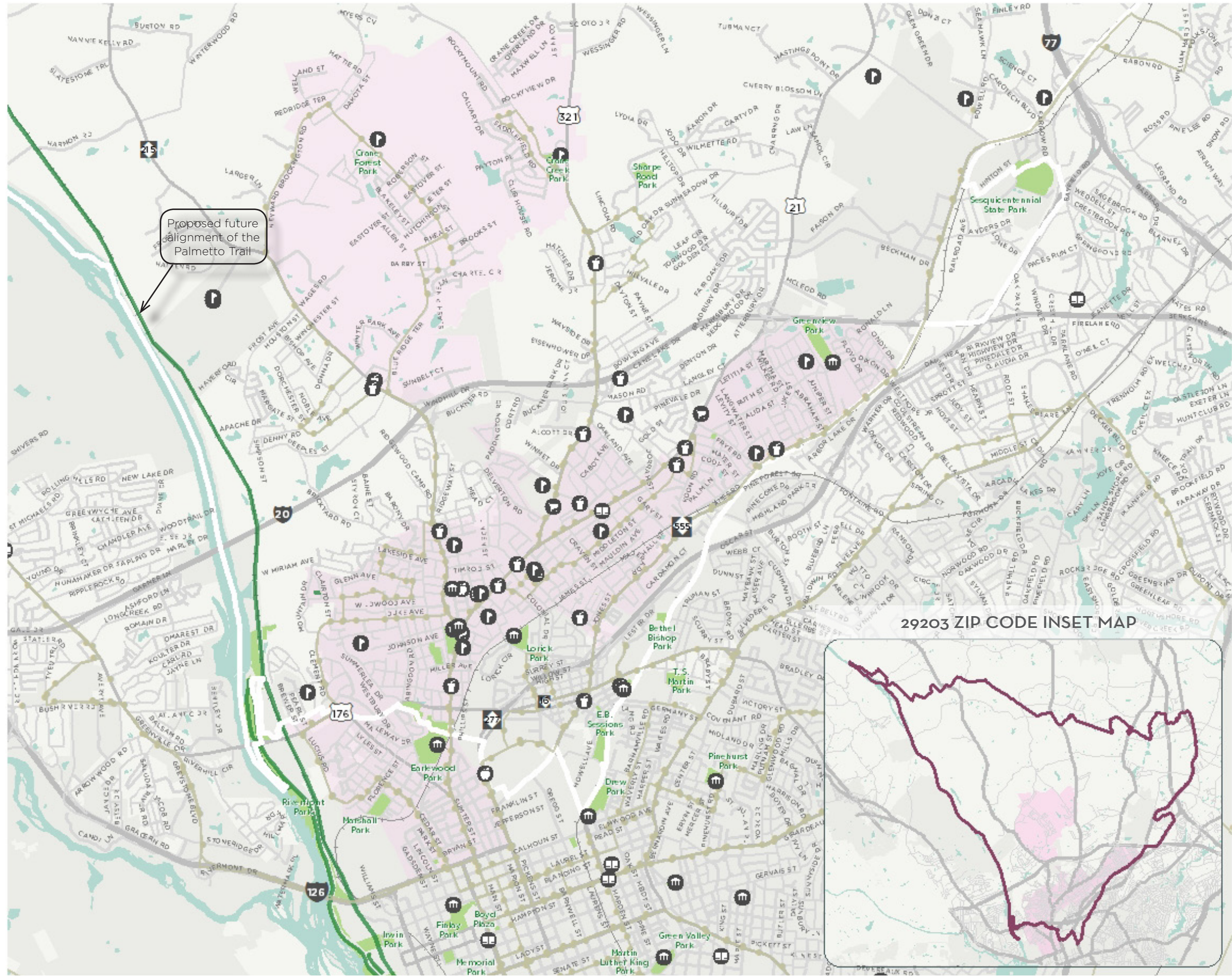
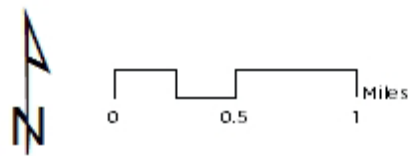
The Master Plan lists the intersection of Monticello Road and North Main Street as a “major node” and commercial/mixed use area. The Master Plan also assesses existing land use on the Monticello Road corridor and highlights destinations such as the former Eau Claire Town Hall, Eau Claire High School, and the Keenen House. The plan notes a lack of consistent pedestrian streetscapes and sporadic beautification efforts.

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29023 BASE MAP

A first step in evaluating the existing conditions of the 29023 zip code, is the development of a comprehensive base map. Based on GIS data collected by the project team, a base map was created to illustrate the neighborhood study area extents within the 29023 zip code (see inset map), as well as key supporting information such as schools, parks, community gardens, and grocery stores.

- Farmers Market
- Grocery Store
- Informal Food Outlet
- Library
- School
- Community Center
- Community Garden
- Neighborhood Study Area
- Bus Stop
- Bus Route
- Palmetto Trail
- Park
- Water Body
- Road
- Railroad
- Zip Code 29023 (white)
- Surrounding Counties



PEDESTRIAN SAFETY ANALYSIS

Pedestrian fatalities are on the rise.

Between 2003 and 2012, 47,025 pedestrians were killed walking on streets in the U.S. In 2012 alone, 4,743 pedestrians died, an increase of 7% over 2011. Meanwhile, the number of vehicle drivers and passengers who died in traffic crashes declined by a third during this period. The rise in pedestrian fatalities while overall traffic fatalities declined means pedestrians now account for more than 15% of all traffic fatalities. A study by the Governors Highway Safety Association, the number of pedestrians killed in motor vehicle crashes is expected to rise by 10% in 2015 over 2014.*

Pedestrian safety is a growing concern in South Carolina. Pedestrian fatalities in the state rose 23.8% between 2008 and 2012, outpacing national trends. The table on the following page summarizes fatality figures for the state during this time.

South Carolina ranks 45th in the nation for levels of walking mode share, yet ranks 2nd in the nation for walking fatality rates.

Richland County has a pedestrian fatality

rate of 17.3 deaths per 100,000 people,

compared to the state rate of

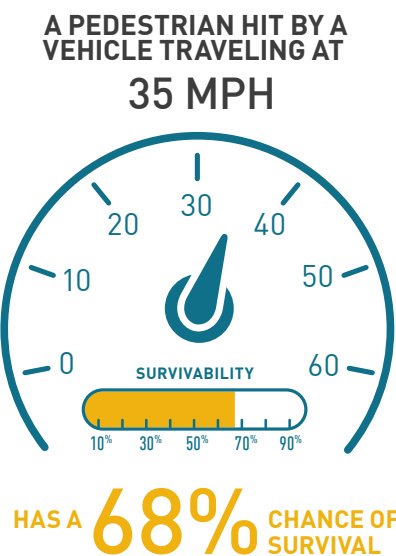
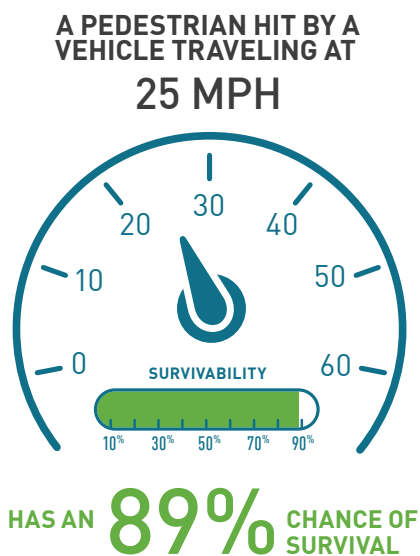
*2.3 deaths per 100,000 people.**

This is by far the worst rate in the state.

While reasons for the increase in pedestrian crashes are difficult to pinpoint, more people walking, higher numbers of pedestrians on dangerous, high-speed arterials, and demographic shifts all likely play a role. A number of factors impact pedestrian safety. Visibility, driver behavior, time of day/year, access to safe crossings, and traffic volume all play a role. However, key factors such as speed, the number of traffic lanes, and roadway design disproportionately affect safety for vulnerable roadway users.

* Governors Highway Safety Association. (2015). "Pedestrian Traffic Fatalities by State: 2015 Preliminary Data."

* *Dangerous by Design - South Carolina* (2014).



Tefft, B. C. *Impact speed and a pedestrian's risk of severe injury or death.* Accident Analysis & Prevention 50 (2013) 871-878.

In a study of the impact of vehicular speed on pedestrian fatalities, it has been found that the fatality rate drops dramatically as vehicular speed drops below 45 mph, as shown in the graphic below.

According to Fatality Analysis Reporting System data, 58.8% of all pedestrian deaths in South Carolina were on arterials — wide, high speed roads rarely built with pedestrian safety in mind. Similarly, 78.8% of South Carolina’s pedestrian fatalities occurred on roads with a speed limit of 40 mph or higher.* This data suggests that the high rate of pedestrian fatalities in South Carolina, and in the 29203 zip code in particular can be reduced by implementing speed limit reductions in corridors with high levels of pedestrian activity.

Some populations are disproportionately affected by unsafe walking conditions.

Households without access to vehicles are more reliant on walking, yet often live in areas where suburban street patterns and dangerous arterial roads predominate. Older adults require more time at crossings and are more vulnerable to

injury when a collision occurs. Older adults are also more susceptible to other non-collision events which do not involve a motor vehicle but which can cause injury. These “pedestrian only” events such as tripping on sidewalks and slipping on curbs, are not typically captured when discussing pedestrian safety but are important considerations in this plan.*

Children are also disproportionately affected by unsafe walking conditions. Children often walk to schools built along unsafe arterial or major roads, putting them at higher risk. Children also use neighborhood streets as areas to ride bikes and play games. They often go unseen by drivers though.

Nearly one-third of all Americans do not drive.

This includes all children and adolescents who are not of age, 21% of all seniors over 65 years-old, people with disabilities, and those who cannot afford to drive.*

Pedestrian injuries occur at a higher rate than pedestrian fatalities. Official crash statistics,

Pedestrian Fatality Figures for South Carolina:

	2008	2009	2010	2011	2012	% change
Pedestrian Fatalities	101	89	90	113	125	23.76%
Pedestrian Fatality Rate per 100,000 people	2.23	1.94	1.94	2.41	2.65	18.83%
Pedestrians as Percent of all Traffic Fatalities	10.97%	9.96%	11.12%	13.65%	11.6%	5.74%

however, do not capture a significant portion of these collisions. **Collisions that go unreported and near miss incidents are not reflected in most collision statistics, and thus may not be fully representative of safe walking conditions.** This is especially true when accounting for whether a pedestrian injury occurred in the roadway (1.7 times more likely to report than non-roadway locations), the severity of the injury (1.3 times more likely to report when hospitalized), and the age of the pedestrian (ages 15-24 are significantly less likely to report a collision even after controlling for location and severity).*

In recent years, a series of successful national campaigns have targeted drunk driving, seat belt use, and distracted driving. For people in vehicles, the resources and focus dedicated to safety has saved thousands of lives. A similar dedication to creating safe streets for pedestrians will encourage walkability, improve health outcomes, and improve livability for all residents.

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"Dangerous by Design" is a report issued by Smart Growth America's National Complete Streets Coalition. The Smart Growth organization also issues state-specific versions with nuanced relevant data. The report documents preventable pedestrian fatalities and details measures that can be taken to make streets safer for all road users.

* Federal Highway Administration Office of Safety - Bike/Ped Documents
Police-reporting of Pedestrians and Bicyclists
Treated in Hospital Emergency Rooms

PEDESTRIAN COLLISION ANALYSIS MAP

In addition to collecting base map data, the project team and partners created a collision map to show where 45 pedestrian injuries and six pedestrian fatalities occurred between 2010 and 2014.

Two of these fatalities occurred along Fairfield Road, just north and south of the Crane Creek Community Center, where the speed limit is 45 mph and there are no sidewalks along this 5-lane road. Another occurred on Fairfield Road on the Interstate 20 overpass, where there is a narrow sidewalk. The other three fatalities occurred when pedestrians attempted to cross the road at unmarked locations, one along Interstate 20, one along Monticello Road near a busy interchange with food outlets nearby, and the third along a residential street.

Of the 45 pedestrian injuries, most occurred south of Interstate 20, within the city limits of Columbia, and along major arterials or bus routes. Three occurred in succession along Fairfield Road, north of Interstate 20. The clustering of collisions on Fairfield Roads signals a hotspot for both pedestrian activity and dangerous conditions for pedestrians. This plan’s recommendations take these collisions into account by targeting improvements around some of the most unsafe corridors and intersections.

LEGEND

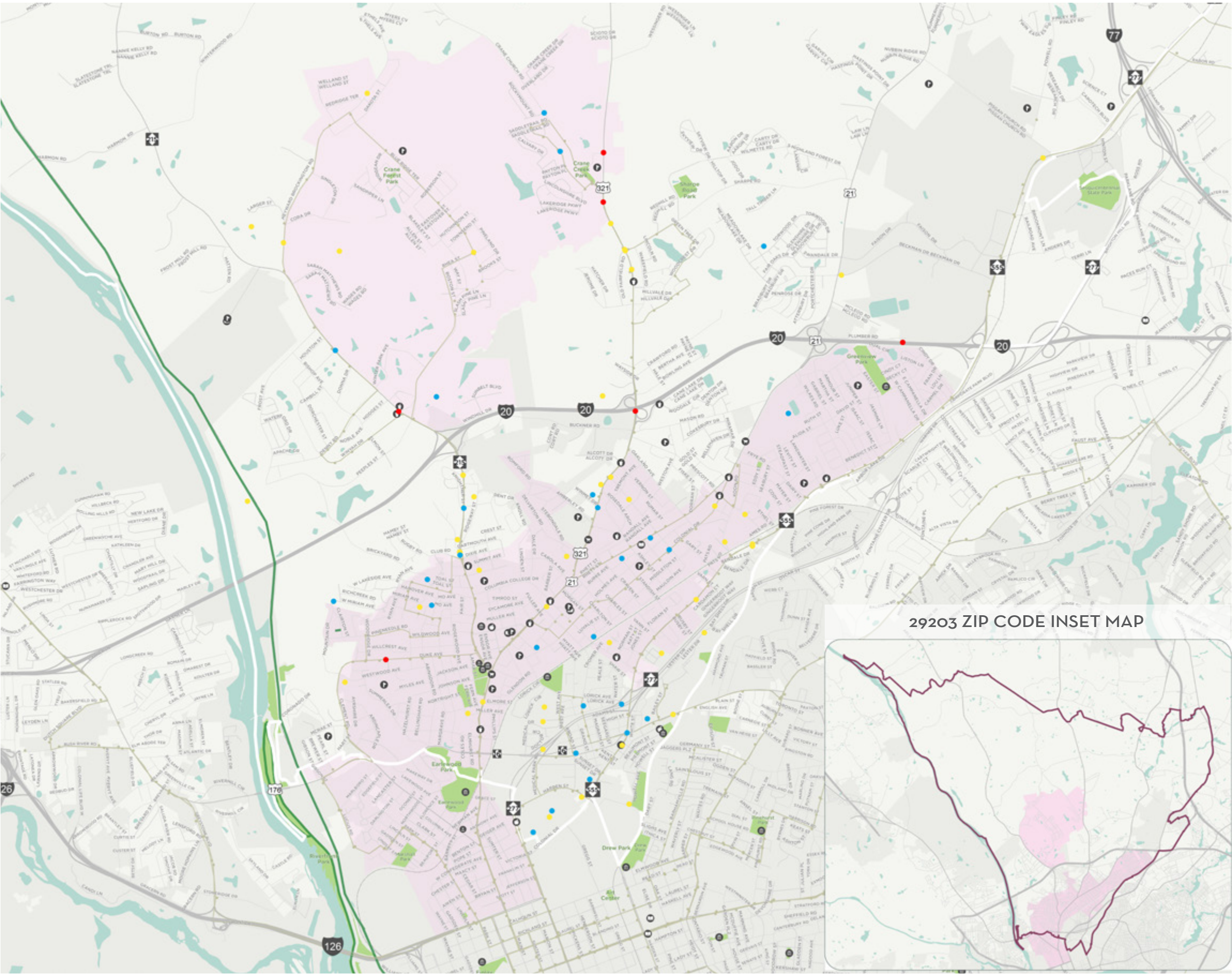
Pedestrian Crashes

Fatality

Injury

Property Damage Only

Data Source: Office of Highway Safety and Justice Programs, South Carolina Department of Public Safety



EQUITY ANALYSIS

OVERVIEW

An equity analysis provides insight about the areas of the 29203 zip code that have higher concentrations of vulnerable populations. This information, coupled with an overlay of healthy food outlet locations and active space locations, can also distinguish which neighborhood areas may need improvements the most. Thus, this quantitative analysis gave the project team a starting point for identifying priority areas.

Ultimately though, recommendations were based on a synthesis of factors, including the equity analysis results, current best practices, public input, existing conditions analysis, and the pedestrian collision analysis,

This section describes the equity analysis process in more detail, and includes the following:

- Equity Analysis Methodology
- Equity Analysis Results
- Healthy Food Access Analysis
- Active Space Access Analysis

METHODOLOGY

The equity analysis incorporated the following seven socioeconomic criteria:

- Seniors
- Children
- Non-white populations
- Low-income households
- Vehicle access
- Linguistic isolation
- SNAP recipients

The measure and rationale for each criteria are further described below.

Seniors

Metric: senior citizens are defined as those who are 65 years old and older. This follows the *2010 Census Brief - The Older Population*.

Rationale: Walkable neighborhoods help seniors remain active, healthy, social and free to move around. Older adults socialize more when living in walkable neighborhoods, because regular social interaction is possible, convenient and more frequent. In a walkable neighborhood the senior citizens are more likely to know their neighbors, participate in politics, engage socially and even trust people.

According to Center for Disease Control and Prevention survey, 32.5 percent of Americans over the age of 65 don't have regular physical activity. There are many health benefits of walking, especially for people older than 50. Elderly adults who walk are less likely to suffer mental deterioration or dementia and physical activity may actually add years to their life. Therefore, living in a walkable neighborhood gives options for walking right out your front door.

A survey by AARP Public Policy Institute found that people over age 50 listed lack of walkability part of barriers to walking.

"Older adults perceive poor sidewalks, the absence of resting places and dangerous intersections as barriers to walking."

Thus, walkable environment benefits seniors, keeping mind and body healthy through their surroundings and neighborhoods.

Children

Metric: children are defined as individuals 14 years old and younger. This threshold was determined based on the legal age for driving in South Carolina. At age 15, young adults are eligible for a learner's permit, and after 180 days young adults are eligible for a provisional driver's license. While conditional, even a permit and provisional driver's license broaden a young person's mode of choice, and significantly increase their mobility.

Rationale: As parents, physicians and policy makers look for ways to curb childhood obesity, they may need to look no further than a child's own backyard. Studies show that children are less likely to be obese if they live in a neighborhood that is safe and within walking distance of parks and retail services.

The U.S. has been experiencing a growing trend in overweight and obesity among youth and children and recent evidence shows that approximately 32 percent of youth are overweight or obese. Physical inactivity impacts weight and in an effort to curb the growing obesity epidemic there is an increasing research that has examined associations between local

area environmental factors and physical activity among youth. Greater availability of outdoor play/sports areas and parks, and access to commercial physical activity-related facilities have been associated with higher levels of youth and children physical activity.

Neighborhood design can also influence physical activity levels in youth and children. However, perceived environmental barriers, such as lack of access to these types of settings such as low connectivity street networks, have been associated with lower income neighborhoods. Whereas, high walkability (grid street network) neighborhoods have shown to have more physical activity and hence, less obesity among youth and children.

Non-White Populations

Metric: non-white is measured as the percentage of all races, excluding those that identified as white. This includes Black or African American, American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, or some other race.

Rationale: Communities with more racial and ethnic minorities and lower-income residents often lack specific features that support walking, such as clean and well-maintained sidewalks, trees and nice scenery and safety. Such deficits may undermine the generally favorable effects of walkable neighborhood design. The presence of parks, open space and other recreational facilities is consistently linked with higher physical activity levels among children and adolescents. However, many studies show that lower-income groups and racial and ethnic minorities have limited

access to well-maintained or safe parks and recreational facilities, and more crime and traffic.

The low leisure-time physical activity rates and high risk of obesity among racial or ethnic minority children, and those living in lower-income areas, can be partially explained by their generally poor access to parks and private recreation facilities. In light of this growing evidence, policy makers should pursue strategies that improve walkability, access to parks, green space and recreational facilities, and neighborhood safety.

Low-Income Households

Metric: low-income is measured as the percent of the population living below two times the federal poverty level. 2015 Federal Poverty Guidelines identified \$48,500 as the threshold for a four-person household. American Community Survey (ACS) data groups income by increments of \$4,999 so this analysis captures all household incomes at or below \$49,999.

Rationale: The U.S. Department of Housing and Urban Development (HUD) defines low income households as households earning less than 80% of the Area Median Income (AMI). Very low income households earn less than 50% of AMI.

These groups of people are the least likely to have access to a car and may depend on walking to reach work, school, public transportation, or other destinations. People with lower incomes are more likely to live in areas with high crime rates, perceive their neighborhoods as less safe, and report physical and social disorder in their neighborhoods, such

as broken windows, litter, graffiti, loitering and public drinking. These environmental variables may be why, in some cases, a higher proportion of lower-income children tend to be less active than their peers, overweight or obese. Walkable and safe access to healthy food outlets would support both nutrition and physical activity needs of low-income populations.

Vehicle Access

Metric: Vehicle access is measured from a question on the American Community Survey about whether a household has access to a car, truck, or van of 1-ton capacity or less.

Rationale: Access to private vehicles can be an indicator of mobility and access, particularly access to healthy food options and active spaces.

Linguistic Isolation

Metric: Linguistic isolation is measured as percentage of households in which those over the age of 5 speak English “not well” or “not at all”.

Rationale: Households that are linguistically isolated may have greater difficulty accessing services that are available to fluent English speakers, such as transportation services and social services.

SNAP Recipient

Metric: SNAP recipients measures the percentage of households who have received SNAP assistance in the past 12 months..

Rationale: Current regulations require food retailers who accept SNAP to stock three varieties of foods in each of the following four food groups: fruits and vegetables, dairy, breads and cereals, and meat, poultry and fish. While a new rule requiring seven varieties in each food group was proposed in February of 2016, SNAP recipients still travel farther to access their food and are more likely to be affected by diet-related diseases. Additionally, only 0.02% of SNAP funds are redeemed at farmers markets indicating limited outreach and education efforts aimed at attracting households that receive SNAP assistance.



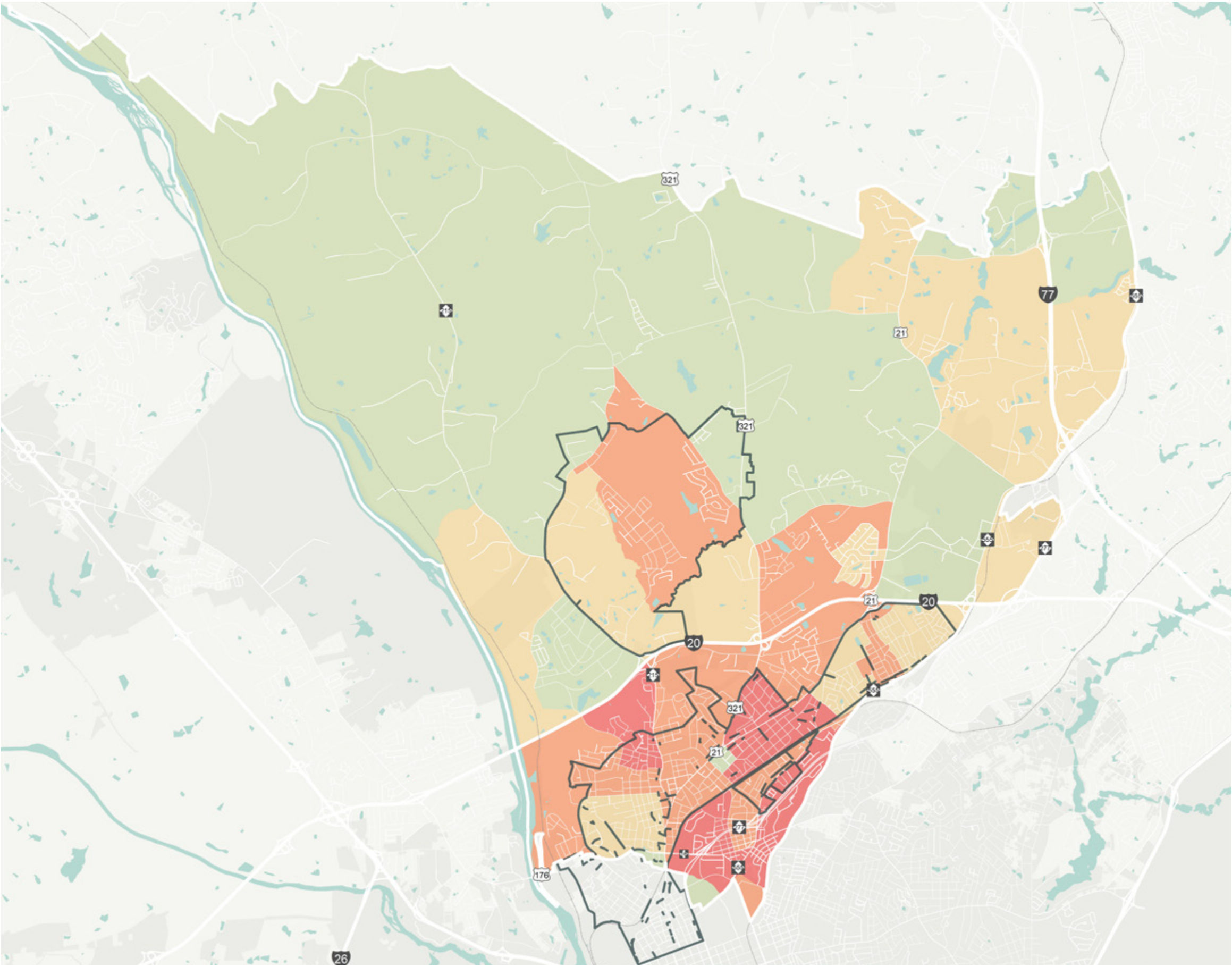
COMPOSITE EQUITY MAP

The adjacent map reflects concentrations of the seven aforementioned vulnerable populations by census block groups in the 29203 zip code.

Block groups shaded red and orange represent an area with the highest vulnerable population concentration. These areas are largely found in the City of Columbia’s North Main area, extending from the river to the zip code boundary south of Interstate 20.

Parts of the Crane Creek area are also shaded orange and yellow indicating a greater concentration of vulnerable populations. The issues and needs of this area may be distinct from the North Main area since it is a more rural area and falls outside of the city.

Maps of the individual socioeconomic criteria can be found in the Appendix.



HEALTHY FOOD ACCESS ANALYSIS

OVERVIEW

Walkable and safe access to supermarkets, grocery stores, farmers markets, and specialty markets is important, because they give consumers access to a variety of fruits and vegetables. Diets rich in fruits and vegetables offer a number of health benefits and have been linked to a lower prevalence of obesity.

Most Americans, especially those with a low income, consume far fewer fruits and vegetables than recommended by current dietary guidance. Communities with limitations in resources, disposable income, language proficiency, and transportation often have restricted access to, and knowledge about, a variety of healthy food options.

While there is general agreement that consumption of fresh, healthy foods such as fruits, vegetables, and whole grains are necessary for health and nutritional well-being, many communities across the region have negative health and economic consequences caused by a lack of access to high-quality food. Grocery stores, farmers markets, and community gardens tend not to be as readily available to people in low-income, low-access communities. The result is an over-dependence on neighborhood convenience stores with limited offerings of fresh foods sold, frequently for a high price,. This leads to myriad health and nutritional and long-term sustainability implications.

Therefore, creation of active transportation routes such as sidewalks, pedestrian malls, and bicycle paths between all neighborhoods and grocery stores, farmers markets, or other healthy food outlets can ease this disparity in accessibility, and help lower rates of chronic disease and lower levels of obesity.

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23.5 million
people in America lack access
to a supermarket within
one mile of their home

HEALTH RISKS

Specific health risk data at the zip code level does not exist, however, county level data from 2013 shows that:

- **34.7% of adults in Richland County are obese.** This is nearly 3 percent higher than the state rate of 31.8%. (Obesity is measured as a Body Mass Index [BMI] greater than 30.)²
- 34.3% of adults are overweight. This means that **nearly 70% of Richland County adults are overweight or obese.**²
- Projections for **adult obesity rates are only getting worse** in Richland County.²
- More than **20% of children are obese**, and an additional **18.2% are overweight.**²
- Almost **half of adults (46.8%) consume less than one serving of fruit** per day.²

- **More than 16% of Richland County adults have type 2 diabetes.**³
- **The CDC recommends eating healthy and staying active as two key ways to prevent, delay, and manage diabetes.**⁴

While Richland County is not considered part of the CDC-designated “Diabetes Belt”, the South Carolina Department of Health and Environmental Control (SC DHEC) offers a number of strategies and solutions to combat obesity including, eating more meals at home, eating more fruits and vegetables on a daily basis, opting for water over a soda or other sugary beverage, and right-sizing portions.

² SC DHEC. (2013). “2013 Richland County Obesity Fact Sheet.” Available at <https://www.scdhec.gov/Health/docs/Epi/obesity/Richland.pdf>.

³ SC DHEC. (2012). “Richland County Health Indicators.” Available at <https://www.scdhec.gov/Health/Docs/CHIT/Richland.pdf>.

⁴ CDC. (2011). “CDC Identifies Diabetes Belt.” Available at <http://www.cdc.gov/diabetes/pdfs/data/diabetesbelt.pdf>



FOOD RETAIL ENVIRONMENT

Food security, as a determinant of health, contribute to health status. Food security addresses the affordability, availability and accessibility of healthy foods. The contrast of city and rural setting of the 29203 zip code is a major element that inhibits healthy eating and healthy food access. Food insecure residents (18.3%) are more likely to have a poor diet. Poor diets significantly contribute to heart disease, obesity, diabetes, some cancers and stroke.

The 29203 zip code has about four grocery stores. The area also has about three seasonal farmers markets and two seasonal community gardens. While 29203 residents have grocery stores within zip code limits, a significant share of residents purchase groceries from discount variety stores like Family Dollar and Dollar General. It is common for these type of retail outlets to sell pre-packaged and processed foods in both non-perishable and frozen packages. These types of foods are more likely to have higher amounts of fat, sodium, sugar and calories. It is less likely these stores sell fresh and nutritious foods. Their popularity is likely attributed to their affordability and accessibility.

Residents also expressed their dissatisfaction with the freshness and quality of produce items at the grocery stores within 29203. Many residents who have the resources, travel to other towns for healthy food options. This has residual impacts on their quality of life and the area's economic vitality.

The table below looks at healthy food opportunities (accounting for the seasonal nature of community gardens and farmers markets) by calculating the density of grocery stores and farmers markets. These outlets are referred to as food retail establishments or FRE. A healthy food outlet density of 0.2 or greater is desirable.

Summary Table of 29203's Food Retail Environment:

Number of Food Retail Establishments (FRE)	9 (4 year round)
Number of People/FRE	4,427
Square Miles/FRE	7.0 (15.8 year round)
Number of Grocery Stores	4
Number of People/Grocery Stores	9,961
Square Miles/Grocery Stores	15.82
Healthy Food Outlet Density	0.14 (0.06 year round)

The Food Retail Environment analysis reveals that 29203 is considered a food desert, both year round and when community gardens and farmers markets are in full swing. This quantitative analysis, on its own, paints a high-level picture of the need to increase food security but does not describe who and what areas may be most in need.

Thus, the results of the Composite Equity Analysis are combined with a mapping study of the locations and walkability of healthy food outlets. Healthy food outlets are defined to include all grocery stores, farmers markets, and community gardens. The seasonality of farmers markets and community garden are a limitation in the data set.

A half-mile walkshed is a widely accepted catchment area for pedestrian analyses. A half-mile is about a 10 minute walk for most pedestrians. This distance also serves as the Federal Transit Authority's (FTA's) designated catchment area for pedestrian improvements that are eligible for transit enhancement funds. This diameter presumes that, barring barriers to mobility and accessibility, individuals within the catchment area would be willing to walk to these activities and destinations. **Walksheds, in combination with equity data, assess connectivity and reveal opportunities where infrastructure improvements may have the greatest impact.**

The healthy food access analysis map on the adjacent page reveals what neighborhoods and areas of 29203 are within a half-mile of the identified healthy food outlets. Further, the map is a starting point for directing pedestrian network improvements that increase accessibility for residents who do fall within the half-mile circumference. Accessibility is still a central issue, especially for residents with disabilities or residents with limited access to a vehicle.



Places like Bucks Market serve a local need for groceries, especially for residents who may not have a private vehicle. Increasing accessibility to healthy food outlets and expanding healthy food options at these informal food outlets can improve food security and health outcomes.

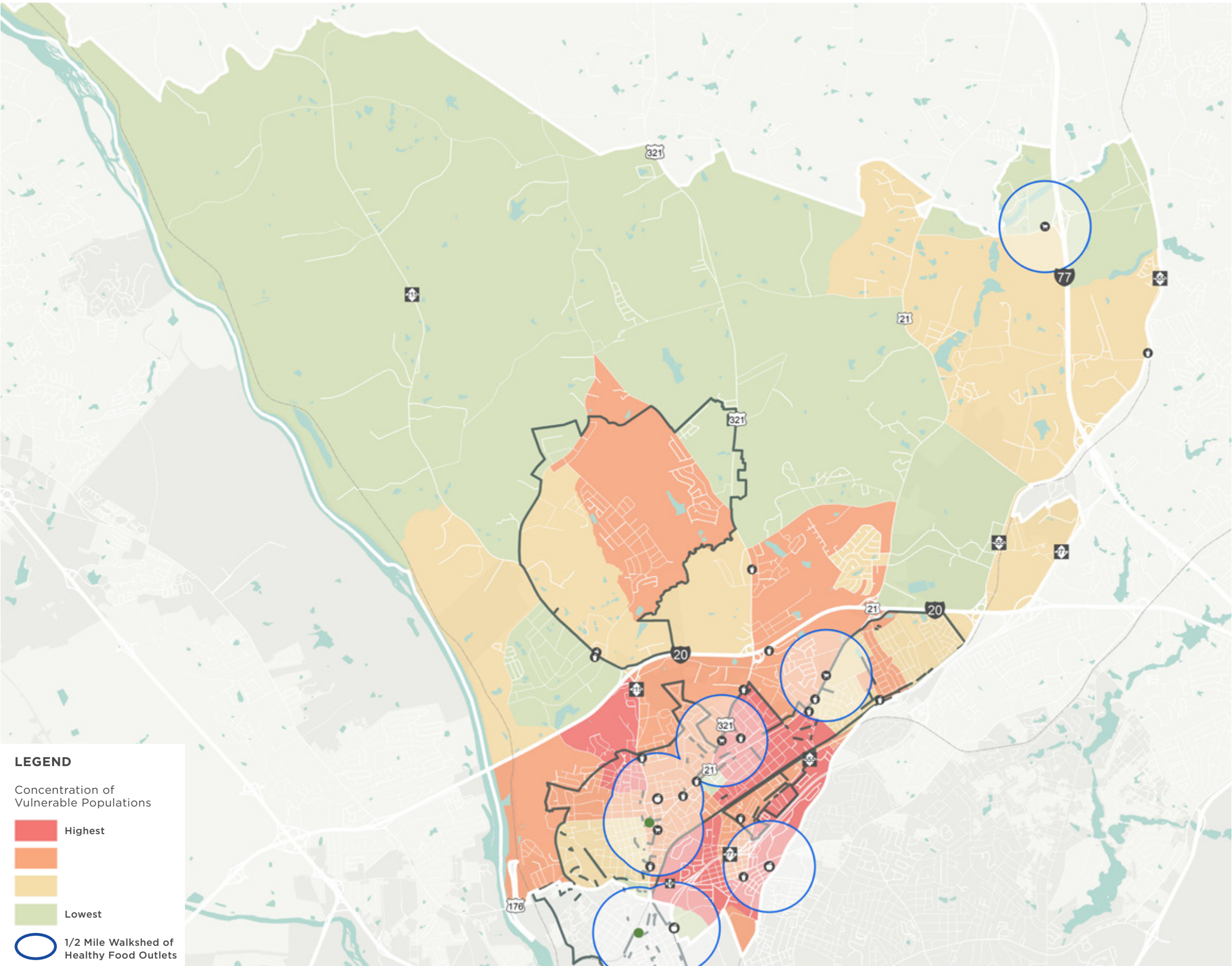
HEALTHY FOOD ACCESS ANALYSIS MAP

The results of the Composite Equity Analysis are combined with a mapping study of the locations and walkability of healthy food outlets. Healthy food outlets are defined to include all grocery stores, farmers markets, and community gardens. The farmers markets and community garden are seasonal.

A half-mile walkshed is a widely accepted catchment area for pedestrian analyses. A half-mile is about a 10 minute walk for most pedestrians. This distance also serves as the Federal Transit Authority's (FTA's) designated catchment area for pedestrian improvements that are eligible for transit enhancement funds. This diameter presumes that, barring barriers to mobility and accessibility, individuals within the catchment area would be willing to walk to these activities and destinations. **Walksheds, in combination with equity data, assess connectivity and reveal opportunities where infrastructure improvements may have the greatest impact.**

The walkability and food access connection runs primarily along major roads (Highway 321, Highway 21, and Main Street) and clustered at the southern end of the zip code close to the city. While density in this area of the zip code supports walkability, the major roads with grocery stores are wide, multi-lane corridors with few crossings and amenities for pedestrians.

The rural area of 29203 presents its own unique set of healthy food access challenges. This vast area is largely untouched by half-mile healthy food access walksheds. The dispersed population and built environment of this area can mean limited resources, a lack of transportation options, and a lack of sidewalks and lighting that supports an active lifestyle.



ACTIVE SPACE ACCESS ANALYSIS

OVERVIEW

Walking can be a critical form of transportation, particularly for older adults who no longer drive, young people who cannot yet drive, and for people who do not have access to a vehicle. Apart from walking as a means for transportation, however, walking serves a vital role in maintaining and improving one's health.

The CDC recommends 60 minutes of physical activity for children per day, 150 minutes of physical activity for adults per week, and 150 minutes of aerobic and muscle-strengthening activity per week. However, **county-level data show that:**

- **42% of residents do not have reasonable access to exercise opportunities** ⁵
- **27% of adult residents do not engage in regular physical activity** ⁶
- **Richland County ranks 10th out of 46th for health behavior.** Health behavior accounts for figures such as obesity, smoking, food environment index, and physical inactivity.⁷

Additionally, data on youth physical activity patterns show that:

- **Percent of children in poverty is steadily increasing at 22% in Richland County.** ⁶ This is significant because **children living below the poverty line are 159% more likely to be deprived of recess.** ⁸
- Students who are able to **walk to school every day had 24 more minutes of physical activity** per day. ⁹

Physical inactivity and obesity rates in Richland County have consistently worsened year after year. One way to reverse this trend, apart from diet and exercise, is to expand mobility options. Providing the freedom to walk to places in the 29203 area through safe and comfortable pedestrian facilities supports a healthy lifestyle. In turn, this boosts not only the area's physical activity level, but also increases mobility, accessibility, and quality of life for all citizens.

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Sources 5 - 7 are from the County Health Rankings & Roadmaps - Robert Wood Johnson Foundation

⁵ <http://www.countyhealthrankings.org/app/south-carolina/2015/measure/factors/132/map>

⁶ <http://www.countyhealthrankings.org/app/south-carolina/2015/rankings/richland/county/outcomes/overall/snapshot>

⁷ <http://www.countyhealthrankings.org/app/south-carolina/2015/rankings/factors/3>

⁸ <http://activelivingresearch.org/blog/2014/03/infographic-do-all-kids-have-safe-places-be-active>

⁹ http://activelivingresearch.org/files/ALR_Brief_ActiveTransport_0.pdf

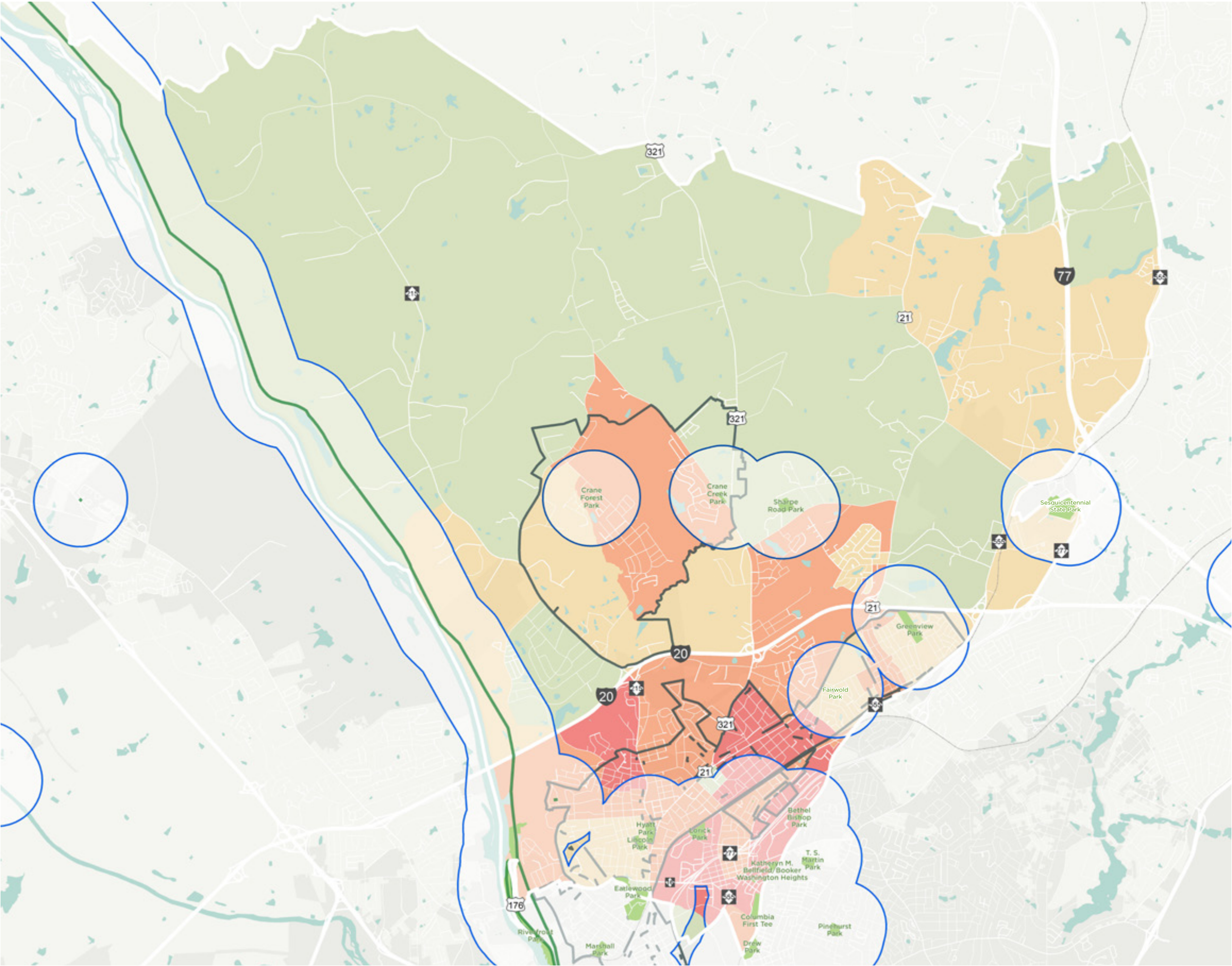
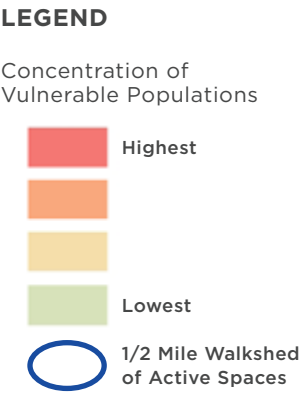
ACTIVE SPACE ACCESS ANALYSIS MAP

The results of the Composite Equity Analysis were also combined with a mapping study of the locations and walkability of active spaces. Active spaces are defined to include all existing parks, trails, greenspace, and the recreation centers.

This analysis again uses a half-mile walkshed or 10 minute walk for most pedestrians. **The resulting map is a starting point for understanding how to link areas in need to active space destinations through pedestrian infrastructure improvements.**

Similar to the food access analysis map, active spaces in 29203 are clustered at the southern end of the zip code near the City of Columbia. The Crane Creek area has a few active spaces, especially with the addition of the new Crane Creek Park, however, the remaining rural parts of the zip code do not have such active space resources.

This analysis also accounts for the proposed Palmetto Trail alignment which runs along the Broad River as well as parts of the Saluda River. Finding ways to provide access to this planned resource is an important part of this plan. Leveraging existing parks and creating connections to these areas is also a critical goal of this plan.



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SECTION II: CRANE CREEK STUDY AREA

CHAPTER 3 Community
Overview &
Public Input

CHAPTER 4 Opportunities &
Constraints

CHAPTER 5 Recommendations

CHAPTER 6 Priority Projects &
Cut Sheets

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3



CRANE CREEK
COMMUNITY

Crane Creek Community Overview

COMMUNITY OVERVIEW

At a glance...

The Crane Creek study area is situated just north of the city limits of Columbia. The area is bound by Interstate 20 to the south, Monticello Road to the west, Heyward Brockington Road to the north, and Fairfield Road to the east.

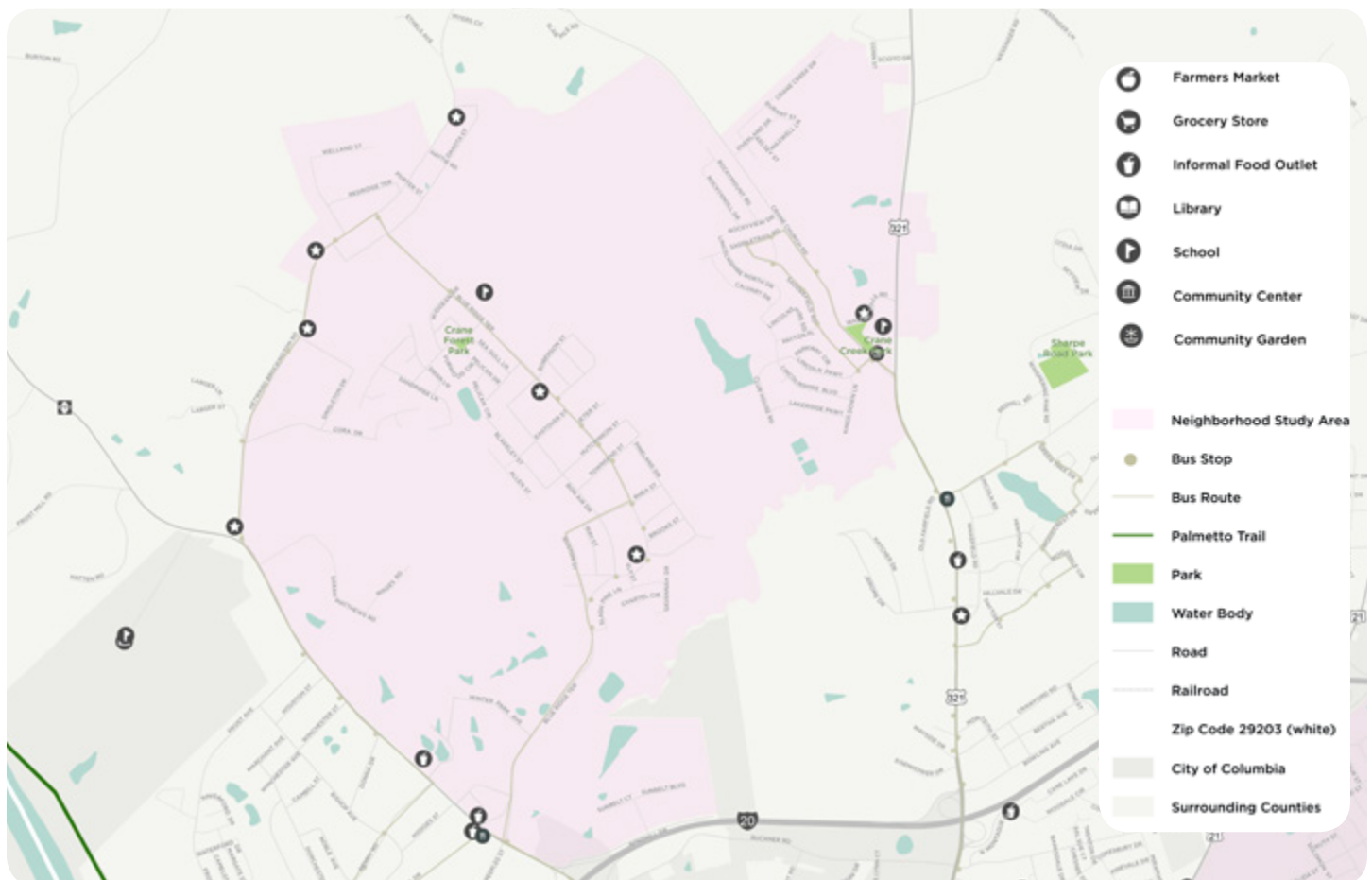
The Crane Creek community has two main corridors, Blue Ridge Terrace, and Crane Church Road, with many of the community's neighborhoods situated along these roads. The study area includes approximately 3,100 acres, and is comprised of seven distinct neighborhoods. As described in the *Crane Creek Master Plan*, the area's predominate land uses are single family residential and industrial.

The Crane Creek area has several churches, two schools, two parks, and a community center, as

well as a handful of gas stations, convenience stores, and eateries. It does not have any centralized shopping centers or grocery stores.

The lack of any retail outlets, coupled with the sprawling and rural layout, combine to create an auto-oriented landscape that is generally unfriendly, uninviting, and unsafe for pedestrians.

Efforts to address these conditions are evident in previous planning projects, such as the *Crane Creek Master Plan*. The project team has built upon the momentum from previous and current efforts through a public outreach process that seeks to identify and prioritize pedestrian projects, programs and policies.



Above: The Crane Creek study area is shown in pink.

PUBLIC INPUT

SUMMARY

As part of the data collection process and during the development of network recommendations, the project team solicited input from Crane Creek residents, community leaders, and project stakeholders. Feedback was collected in a number of ways in order to be most inclusive and representative of the community make-up. This includes:

- Focus group session
- Survey (online and hard-copy)
- Public Input Meeting
- Technical training

This section summarizes the key findings from each channel of public outreach.



Focus group participants share their thoughts about improving walkability in Crane Creek.

FOCUS GROUP

A focus group was conducted at the Richland County Meadowlake Park recreation center. Six community members participated in the focus group. Participants were chosen based on residency in the Crane Creek area, as well as interest in improving access to active living and healthy eating. To ensure that residents from all neighborhoods in the area were represented, members from each of Crane Creek's seven neighborhood association groups were invited to participate.

Specific objectives of the focus groups include the following:

- Identify where residents are currently walking in the Crane Creek area,
- Explore residents' perceptions of pedestrian safety issues,
- Seek input from residents on priority pedestrian planning projects and destinations, and
- Seek residents input on the level of accessibility to active living and healthy eating in the Crane Creek area.

"I see something moving. I see change. And I'm excited."

- Focus group participant

"The 29203 area is one of the highest diabetes areas in the whole country."

- Focus group participant

KEY FINDINGS

Question: What assets exist in Crane Creek? How can the pedestrian master plan build upon or leverage current assets?

- **Crane Creek Gymnasium**

The new, modern facility is popular among residents and many people use it. However, few people walk to the gym due to lack of sidewalks, poor lighting, and loose dogs. The gym is also popular with residents of adjacent neighborhoods like Hollywood Hills and Sharp Terrace. Many teenagers from those neighborhoods walk along Sharp Road, Highway 321, and Crane Church Road to get to the gym.

- **Crane Creek Park**

The park and surrounding nature trail is popular and used frequently by walkers and joggers. However, focus group members said many in the community have never visited the park and they would like to see more done to advertise the park and generate interest in accessing it.

- **Crane Creek Community Garden**

Focus group members said they were excited about the fact that there is a community garden in Crane Creek Park. They said that many people in the community are interested in eating healthy and growing their own food. However, they said the garden is under-utilized and lacks adequate programming to engage residents.

Question: What are the biggest barriers to walkability in Crane Creek?

- Poor lighting,
- Lack of sidewalks,
- Loose dogs, and
- Speeding drivers

Focus group participants also identified specific improvements that they would like to see at the following locations:

Crane Church Road:

- Needs lighting all along the road.
- Needs improved traffic light and safer crossing near the old Crane Creek School.
- Needs improved intersection design at Fairfield Road. (Currently there is a bad 45 degree turn with low visibility for drivers and pedestrians.)

Lincoln Parkway off of Fairfield Road:

- Needs improved lighting along entire thoroughfare.
- Needs sidewalks and lighting near Crane Church Road.

Fairfield Road/US-321:

- Needs sidewalks leading to Crane Creek Gym.
- Needs intersection redesign at corner of Crane Church.

Sharpe Road

- Needs lighting and sidewalks.

Question: What are high priority projects, streets, neighborhoods, or destinations for improved access? Why are they priorities?

- **Connectivity between neighborhoods**

Focus group participants want improved connectivity between the neighborhoods that make up the area, using sidewalks and trails to connect residents to the various neighborhoods, as well as to Forest Heights Elementary School and Crane Creek Gym.

- **Forest Heights Elementary School**

The school, which serves as the polling station for the community, is centrally located and in walking distance to many homes. Focus groups participants want to see sidewalks and lighting added near the school so that more children are able to walk to it.

- **Crane Creek Gymnasium & Crane Creek Park**

The area has greatly benefited from the addition of the county gym and expansion of the park, but residents want improved walkability to both. They also want to see more programming at the park, such as organized community picnics or concerts, to build excitement about the resources that are available, like the community garden.

"Everyday, we have groups of kids walking to the gym down the middle of the road. It is imperative that we get sidewalks out there [on Fairfield Road] and start saving lives."

- Focus group participant

- **Bus Stops**

Many people in the community use the bus to get to work and grocery stores (there are no fresh food outlets within walking distance). Improving pedestrian access near bus stops should be a high priority.

- **Code enforcement**

Crime rates are dropping in the area, but focus group participants worry that gang violence is a problem in other parts of the county. Abandoned homes on streets such as Calvary Drive and Lincolnshire Boulevard add to the unease. Improved efforts to enforce county codes and reduce blight would improve the sense of safety in the community and encourage walkability.

"Just having the ability to walk in your community and feel safe is going to make the biggest difference when it comes to whether people walk or not. Not having a sidewalk impacts that greatly."

- Focus group participant

SURVEY SYNOPSIS

Walkable 29203 Surveys were used to build a better understanding of community needs and priorities related to walking for exercise or transportation. Surveys were distributed both through hard copies and online at the project website. The survey provided an important opportunity for input for those who could not attend public meetings. Twenty-two surveys were submitted.

Survey responses supported and supplemented the findings from other public input sources. Respondents confirmed that **Crane Creek Park and Crane Creek Community Center are two key destinations** in the area to which area residents prefer to walk.

Respondents also expressed a **preference to walk along the following streets:**

- Lincolnshire Boulevard
- Denny Road
- Dorchester Street
- Bishop Avenue
- Winchester Street
- The **top three factors that discourage walking in the Crane Creek area** were:
 - Lack of sidewalks
 - Heavy and fast car traffic
 - Unsafe driving behaviors

A full report of survey results can be found in the Appendix.

WALKABLE 29203 SURVEY
Through this effort, we hope to enhance and expand the walkability and active transportation options in the 29203 zipcode, while also increasing access to healthy foods.

1. Where do you live?
Crane Creek Area | North Main Area | In another part of the 29203 zipcode | In a different zipcode

2. How are the current walking conditions in your community?
Excellent | Fair | Poor

3. How important is it to you to make the walking conditions better in your community?
Very Important | Somewhat Important | Not Important

4. Why do you walk in your community? (Circle all that apply.)
To get somewhere | Recreation | Exercise | To enjoy nature | Socialize | I do not walk
Other (Please specify): _____

5. What do you think stops people from walking in your community? (Please select up to 5 factors.)

☐ No sidewalks	☐ Unsafe driving behavior
☐ No accessible ramps	☐ Drivers not stopping and waiting for walkers
☐ No walking signals or crosswalks	☐ No places to walk to close by
☐ No safe street crossings	☐ Personal safety concerns (other than traffic)
☐ Heavy and fast traffic from cars	
☐ Other (please specify): _____	

6. Where are your favorite places or streets to walk? (Please note specific streets or destinations)
Location 1: _____
Location 2: _____

7. How likely would you be to walk if the following things were available?

	Very Unlikely	Unlikely	Likely	Very Likely
Signs providing direction and helping you to find your way.....	☐	☐	☐	☐
More sidewalks.....	☐	☐	☐	☐
Wider sidewalks.....	☐	☐	☐	☐
Sidewalks away from traffic.....	☐	☐	☐	☐
Crosswalks or walk signals.....	☐	☐	☐	☐
Paved pathways away from the streets.....	☐	☐	☐	☐
Good lighting and other safety features.....	☐	☐	☐	☐
Ramps and even sidewalk surfaces.....	☐	☐	☐	☐

WALKABLE29203.WEEBLY.COM

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Example of the hard copy Walkable 29203 survey that was distributed during the public outreach process.

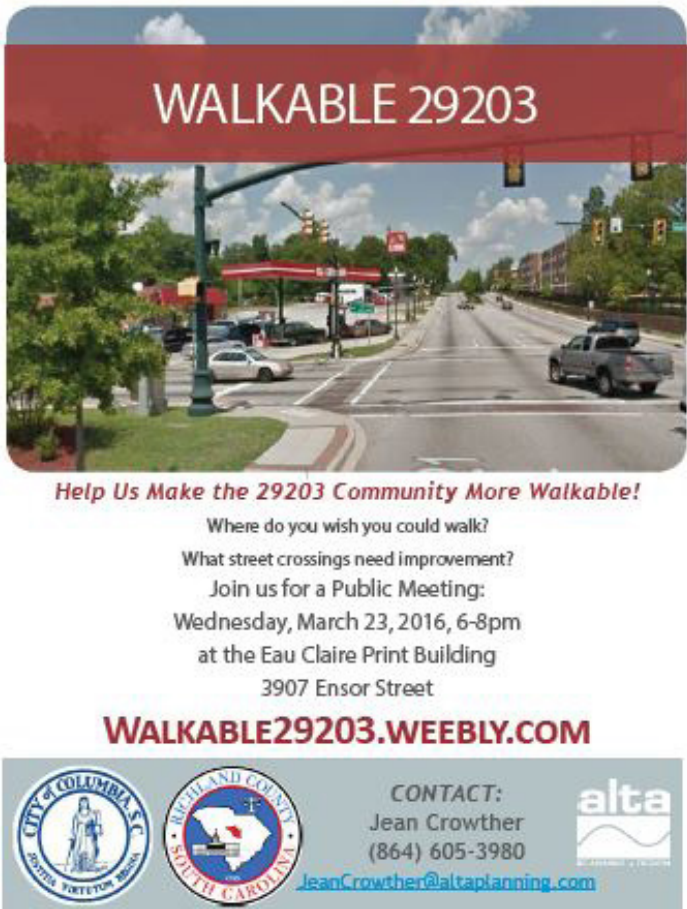
PUBLIC INPUT MEETINGS

Two public meetings were held as part of this plan’s public input process. The Crane Creek public meeting was held jointly with the North Main public meeting so that residents could learn about the project, and share their thoughts with the project team and each other.

The first meeting was held during the kick-off phase as a way of voicing local needs and concerns related to walkability. The second meeting was held to refine feedback on draft recommendations that had been identified by the project team through stakeholder and public outreach.

At both meetings, detailed area maps were set up for residents to post their comments on. Project team members facilitated discussions about problem areas and potential desirable solutions while interacting with residents and the maps. A summary of the public comments drawn on the Crane Creek area map is on the following page.

Attendees at this open house meeting shared that there is a current, ongoing community picnic that is held annually in one of the local parks. This annual picnic may present an opportunity to expand the event to incorporate programming that encourages walking to and/or at the event.



Example of the public flyer that invited neighbors to join the public meeting.

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PUBLIC INPUT MAP

At right is a map showing input received from the community during focus groups and project team meetings. Residents and city officials identified areas of concern related to sidewalk conditions, pedestrian crossings, and railroad crossings. Popular walking destinations were also identified.

Public Input Notes

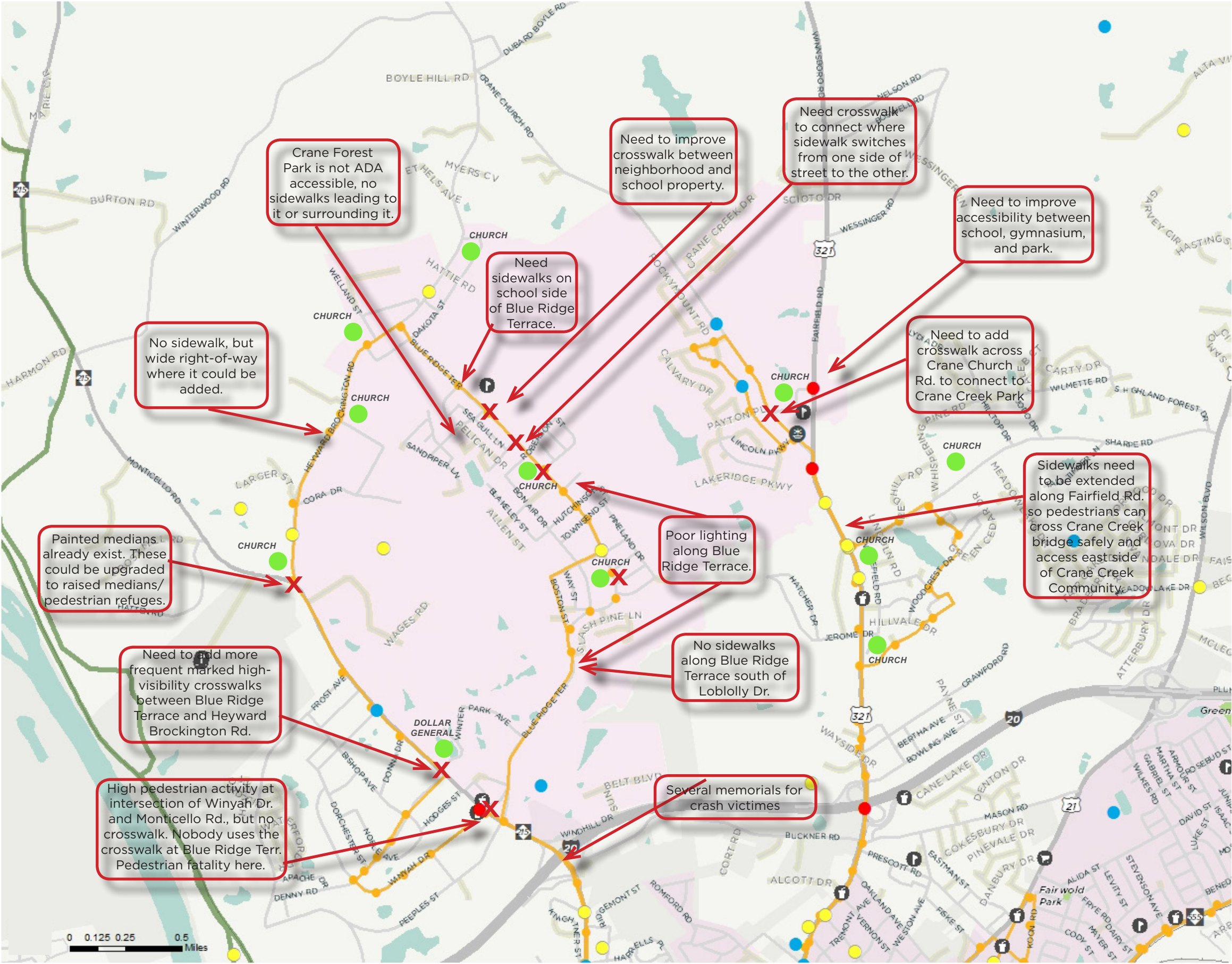
- Walking Destinations
- ✗ Street Crossing: needs improvement

PEDESTRIAN CRASHES

- Fatality
- Injury
- Property Damage Only

- Community Center
- Library
- Farmers Market
- Grocery Store
- Informal Food Outlet
- School
- Community Garden

- Palmetto Trail
- Bus Stop
- Bus Route
- Road
- City-Maintained Roads
- Railroad
- Neighborhood Study Area
- Park
- Water Body
- City of Columbia
- Surrounding Counties



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4



Crane Creek Opportunities & Constraints

OPPORTUNITIES

COMMUNITY STAKEHOLDERS



A strong group of community stakeholders are working hard to improve quality of life in their neighborhoods. Their efforts include the expansion of Crane Creek Park and Gymnasium and the creation of a community garden at that park. **Grassroots leadership and sustained support can be the catalyst for moving a recommendation to implementation.** Community stakeholders can also be **champions of programmatic recommendations** that encourage walking and an active lifestyle.

RIGHT OF WAY



Wide right-of-way along major corridors are potential areas for road diets, expanded sidewalks, street furniture, and transit shelters and amenities. In some instances, like Heyward Brockington Road, Crane Church Road, Blue Ridge Terrace, and Fairfield Road, **space already exists to incorporate these elements without have to relocate utility poles** and other costly fixtures. Additionally, **under-utilized utility easements also present an opportunity to make trail and greenway connections** between neighborhoods. In a few places, worn paths, also called "**desire lines,**" indicate an existing need and demand for pedestrian connections.

PROJECT PARTNERS



Schools are centrally located near neighborhoods, making walking to school feasible from a distance standpoint. The schools are located on Blue Ridge Terrace and Fairfield Road, both currently easy to reach by foot or bike from the neighboring communities. **There is also currently a Safe Routes to School program at Forest Heights Elementary.** COMET can also be a partner in moving recommendations forward since their mobility and safety interests align with the goals of this plan. Partnering with schools and transit will be two key ways to increase mobility and access, and bolster support for programmatic walking efforts.

EXISTING ACTIVE SPACE ASSETS



The presence of parks in residential neighborhoods is a great resource for Crane Creek communities. Crane Creek Park and Crane Forest Park, as well as school playgrounds, offer a local outdoor recreational areas for residents to enjoy. Ensuring **open-use agreements exist for after-school use** of school playgrounds can **help children reach their recommended amount of daily physical activity**, thus encouraging an active lifestyle. The nearby **Palmetto Trail alignment presents opportunities for spur connections** into neighborhoods. This resource is both **transportation and recreation focused**, helping to move rural residents to their jobs downtown and expanding exercise opportunities where they are currently limited.

CONSTRAINTS

NETWORK GAPS



There are **large gaps in the sidewalk network**, particularly within neighborhoods. The sidewalks that do exist do not always connect to destinations. **Sidewalks end abruptly** without connecting to popular destinations and pedestrians are faced with an obstacle course of perils, often having to walk in the road or make their own route. This not only limits accessibility for residents, but also poses mobility issues, especially for those who may have a physical impairment.

ADA COMPLIANCE



ADA accessibility is a systemic issue in 29203's pedestrian network. The CDC recognizes that walking and wheelchair rolling are rights, not luxuries, that each person should have. As such, **the County and SCDOT should design and invest in its pedestrian facilities** to encourage safe pedestrian activity and **integrate walking and wheelchair rolling as a normal part of daily life** for people of all ages and abilities.

PERCEPTION OF CRIME



Perception of crime and violence prevents many Crane Creek residents from walking, especially at night. Residents expressed their preference for walking in their neighborhoods on local streets. However, abandoned homes, **little streetlife activity**, and **a lack of pedestrian-oriented lights reduce their sense of safety so residents forego walking altogether**. Organizing neighborhood watches and partnering with law enforcement to establish recurring walking routes that are monitored can encourage walking, foster community relationships, and deter crime.

DISPERSED DESTINATIONS



The rural nature of the Crane Creek area inherently poses challenges for reaching key services and amenities on foot. The street (and sidewalk) network is not built on a grid like in urban areas so even where sidewalks exist, **direct access to destinations is limited**. Pedestrians instead must follow a long, circumvent route. Even where adjacent destinations exist, like Crane Creek Park and Crane Creek Gymnasium, the way the two properties interface discourage pedestrian access. The **dispersal of destinations makes identifying areas for improvement challenging**. Focus areas will need to include both **destinations that draw pedestrians and locations where people would like to walk**.

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A photograph of a road intersection. In the foreground, a grassy area features a white wooden cross memorial with a brown hat and orange flowers on top. Several orange survey flags are scattered in the grass. In the background, a white car is driving away on a paved road. To the right of the road, there are several signs: a yellow 'Walter Hills Rd' street sign, a yellow 'SCHOOL' sign, a red octagonal 'STOP' sign, and a white sign for 'ZION CHAPEL BAPTIST CHURCH'. A grassy hill with a chain-link fence is visible behind the signs. The sky is clear and blue.

Crane Creek Recommendations

OVERVIEW

This chapter presents the proposed pedestrian network improvements that were identified through input from the community, the project team, field work, existing conditions analysis, and the equity analysis conducted between January and May 2016. The proposed improvements are intended to **make walking safer and more accessible for everyone** in the Crane Creek area.

Improvements are organized according to two types — spot improvements and corridor improvements. Spot improvements include both signalized and unsignalized crossing locations. Corridor improvement types include:

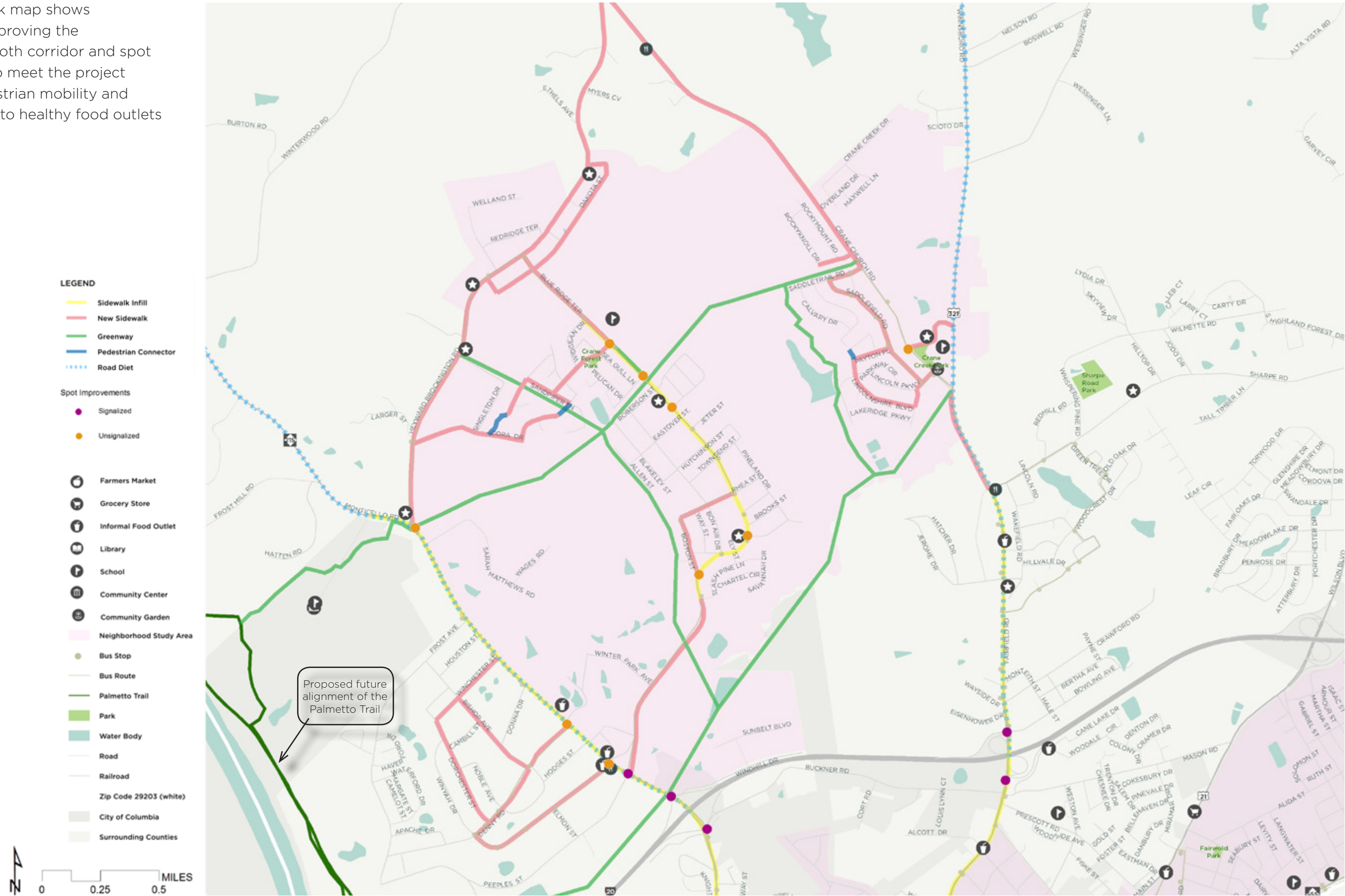
- sidewalk infill
- new sidewalk
- greenway
- pedestrian connector
- road diet

All recommendations are depicted on the map on the following page.

Apart from the adjacent recommendations map, this chapter also includes projects master tables. The project master tables highlight project-specific details including project extents and recommended pedestrian facilities. A description of pedestrian facilities types recommended in this Plan can be found in the Appendix.

PEDESTRIAN NETWORK RECOMMENDATIONS MAP

The adjacent Crane Creek map shows recommendations for improving the pedestrian network via both corridor and spot improvements in order to meet the project goals of increasing pedestrian mobility and access, and connectivity to healthy food outlets and active spaces.



Recommended Network Improvements- Corridor Improvements

CORRIDOR	BEGIN/END	POTENTIAL IMPROVEMENTS FOR CONSIDERATION
Monticello Road	Interstate 20/ Winterwood Rd.	Corridor study to examine feasibility of improving pedestrian safety through reduced traffic speeds, narrower lane widths, increased crossing opportunities, etc. Fill in gaps and fix problem spots along existing sidewalk.
Heyward Brockington Road	Monticello Rd./ Crane Church Rd.	New sidewalks to facilitate safe pedestrian travel along this corridor.
Cora Drive	Heyward Brockington Rd./ end of Cora Dr.	New sidewalks to facilitate pedestrian access to Heyward Brockington Rd., and also to greenways and school via pedestrian connectors (see below)
Crane Church Road	Fairfield Rd./ Heyward Brockington Rd.	New sidewalks to facilitate pedestrian access to Crane Creek Park, Community Center, and other amenities.
Fairfield Road	Interstate 20/Oak Hills Golf Club	New sidewalks from Sharpe Rd. to Crane Church Rd. to facilitate pedestrian access to Crane Creek neighborhood and amenities. Corridor study to examine feasibility of improving pedestrian safety through reduced traffic speeds, narrower lane widths, increased crossing opportunities, etc. Fill in gaps and fix problem spots along existing sidewalk.
Blue Ridge Terrace	Monticello Rd./Heyward Brockington Rd.	New sidewalks from Widgean Dr. to Heyward Brockington Rd. and from Loblolly Dr. to Monticello Rd. to facilitate pedestrian access to Forest Heights Elementary School, restaurants and service stations. Fill in gaps and fix problem spots along existing sidewalk from Widgean Dr. to Loblolly Dr. Add crosswalks at convenient intervals to facilitate safe pedestrian access where sidewalks are on only one side of the street.
Bishop Avenue	Winchester Ave./ Denny Rd.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Winchester and Denny Rds.
Winchester Avenue	Monticello Rd./ Dorchester St.	New sidewalks to facilitate safe pedestrian access to Monticello Rd.
Dorchester Street	Denny Rd./ Winchester Ave.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Winchester and Denny Rds.
Denny Road	Monticello Rd./ Winyah Dr.	New sidewalks to facilitate safe pedestrian access to Monticello Rd.
Winyah Drive	Monticello Rd./ Denny Rd.	New sidewalks to facilitate safe pedestrian access to Monticello Rd.
Sandpiper Lane	Birchwood Dr./ Swan Ln.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Peachwood Dr. and Forest Heights Elementary School.
New Street @ end of Cora Dr.	Cora Dr./end of new street	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Birchwood Dr. and sidewalk network to Forest Heights Elementary School.
Dakota Street	Welland St./ Heyward Brockington Rd.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Heyward Brockington Rd.
Welland Street	Heyward Brockington Rd./ Dakota St.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Heyward Brockington Rd.
Birchwood Drive	Sandpiper Ln./ south end of Birchwood Dr.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Sandpiper Ln. and sidewalk network to Forest Heights Elementary School.

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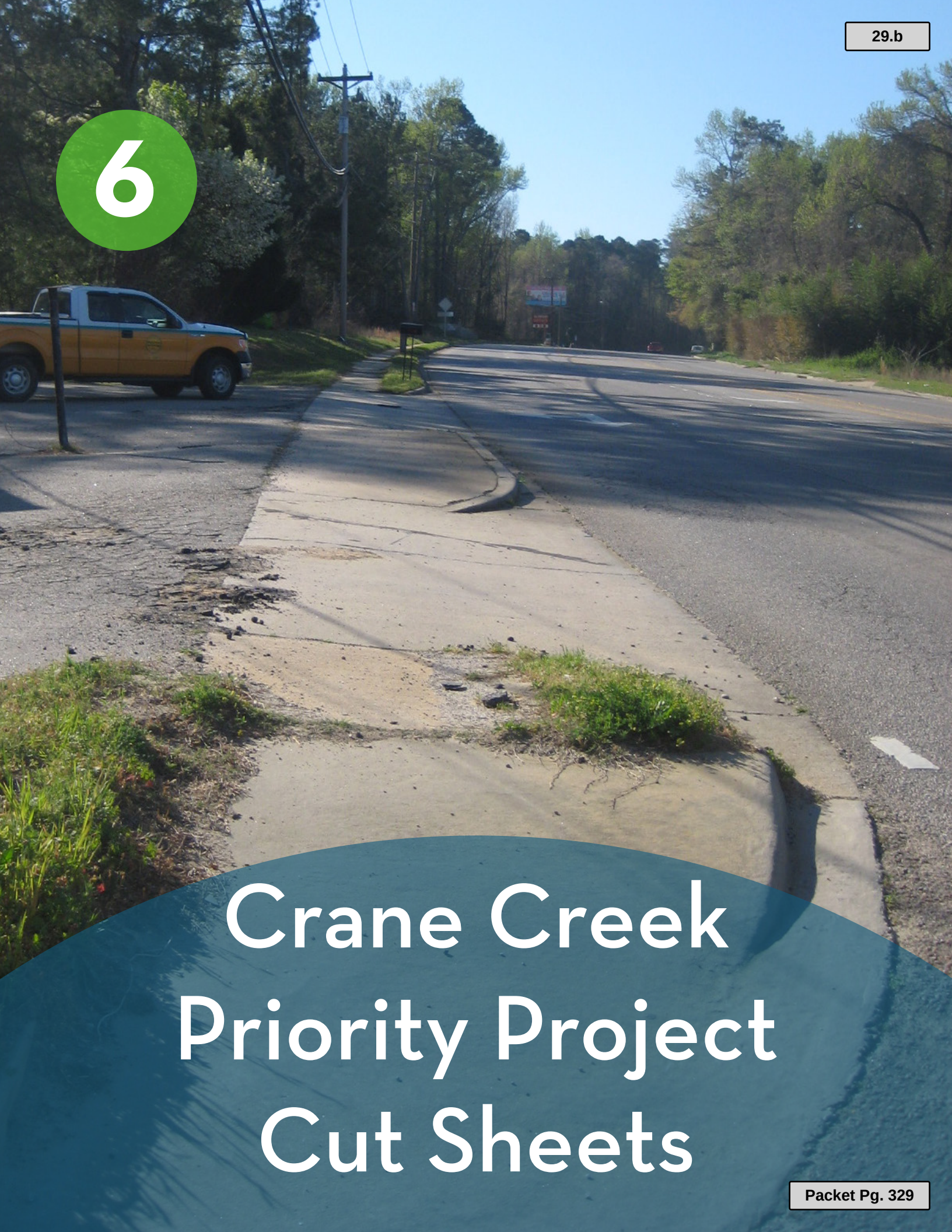
CORRIDOR	BEGIN/END	POTENTIAL IMPROVEMENTS FOR CONSIDERATION
Peachwood Drive	Sandpiper Ln./Blue Ridge Terr.	New sidewalks to facilitate safe pedestrian travel along this corridor to Forest Heights Elementary School.
Rhea Street	Blue Ridge Terr./Boston St.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Blue Ridge Terrace.
Boston Street	Rhea St./Blue Ridge Terr.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Blue Ridge Terrace.
Saddlefield Road	Lincoln Pkwy./Saddletrail Rd.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Saddletrail Rd. and Lincoln Pkwy.
Payton Place	Lincolnshire Blvd./Saddlefield Rd.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Saddlefield Rd. and Lincolnshire Blvd.
Lincolnshire Boulevard	Kings Down Ln./Payton Pl.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Kings Down Ln. and Payton Pl.
Lincoln Parkway	Crane Church Rd./Kings Down Ln.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Crane Church Rd.
Kings Down Lane	Lincoln Pkwy./Lincolnshire Blvd.	New sidewalks to facilitate safe pedestrian travel along this corridor to connect to Lincoln Pkwy.
Water Hills Road	Fairfield Rd./Crane Church Rd.	New sidewalks to facilitate safe pedestrian travel along this corridor between Crane Church Rd. and Fairfield Rd., improving access to Crane Creek Park, Community Center, and School.

Recommended Network Improvements- Greenways and Pedestrian Connectors

FACILITY TYPE	BEGIN/END
Greenway #1	Palmetto Trail near Columbia International University/Crane Church Rd. near Saddletrail Rd.
Greenway #2	Palmetto Trail near I-20/Fairfield Rd. near Crane Church Rd.
Greenway #3	Heyward Brockington Rd. near Singleton Dr./Greenway #2 near Sunbelt Blvd.
Greenway #4	Greenway #1 near Saddletrail Rd./Greenway #2 near Kings Down Ln.
Greenway #5	Peachwood Dr./Greenway #1 near Roberson St.
Pedestrian Connector	Cora Dr./Birchwood Dr.
Pedestrian Connector	New Street off of Cora Dr./Sandpiper Ln.
Pedestrian Connector	Lincolnshire N. Dr./Lincolnshire Blvd.

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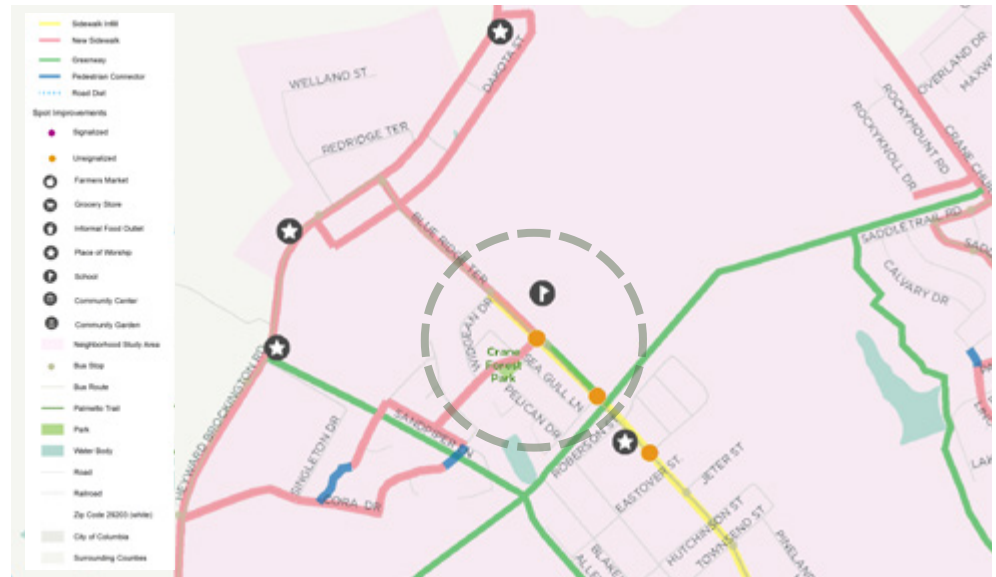


Crane Creek Priority Project Cut Sheets

Blue Ridge Terrace

As a major spine through the area, Blue Ridge Terrace can benefit from a number of corridor and intersection improvements, including new sidewalks, sidewalk in-fill, maintenance of existing sidewalks, and increased and improved crosswalks.

A priority location for improvements is the intersection of Blue Ridge Terrace and Peachwood Drive, as this is the entrance to Forest Heights Elementary School, and thus a high-traffic area for pedestrians. Below, a photo-simulation offers a picture of how the intersection could be improved with new sidewalks, crosswalk markings, curb ramping, and a Pedestrian Hybrid (or HAWK) Beacon. These improvements will increase safety and comfort for pedestrians.



RECOMMENDED IMPROVEMENTS

- + Curb bulb-outs and high-visibility crosswalks
- + Sidewalks on both side of Blue Ridge Terrace
- + Greenway spur connecting to school
- + ADA compliant curb ramps



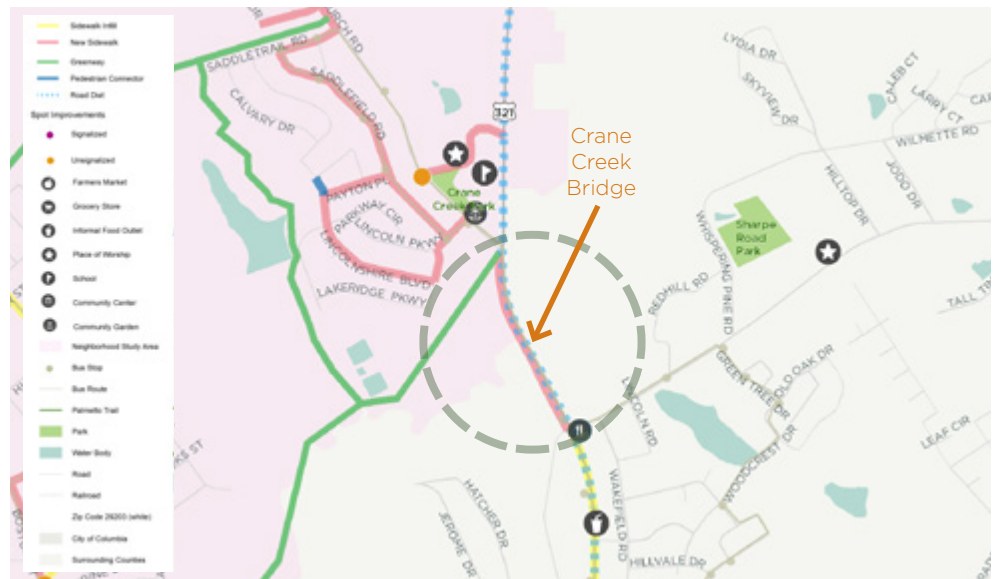
Blue Ridge Terrace near Forest Heights Elementary School

Fairfield Road

Fairfield Road is the primary access point to the Crane Creek neighborhood, but sidewalks only exist south of Sharpe Road. Worn paths in the grass and pedestrian collision reports indicate that there is a serious demand for pedestrian facilities and safety improvements.

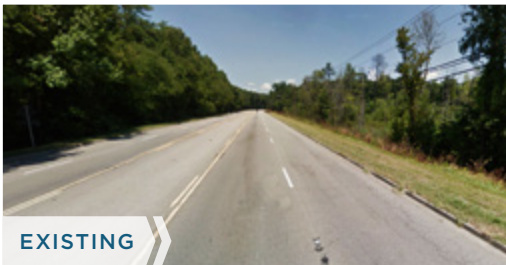
This five-lane road is oversized for current traffic volumes and presents a road diet opportunity. Coupled with streetscaping, this would create a more attractive, comfortable, and safe environment for pedestrians (and bicyclists alike).

Additionally, the bridge over Crane Creek has no shoulder or space for pedestrians, thus creating a major obstacle and pinch-point for pedestrian activity. Pedestrian improvements should continue across the bridge.



RECOMMENDED IMPROVEMENTS

- + Sidewalks along Fairfield Road from Sharpe Road to Crane Church Road
- + Road diet and streetscaping to convert oversupply of lanes to bicycle/pedestrian facilities.



EXISTING



PROPOSED CORRIDOR IMPROVEMENTS

Fairfield Road



SECTION III: NORTH MAIN STUDY AREA

CHAPTER 7 Community
Overview &
Public Input

CHAPTER 8 Opportunities &
Constraints

CHAPTER 9 Recommendations

CHAPTER 10 Priority Projects &
Cut Sheets

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7

North Main Community Overview & Public Input

COMMUNITY OVERVIEW

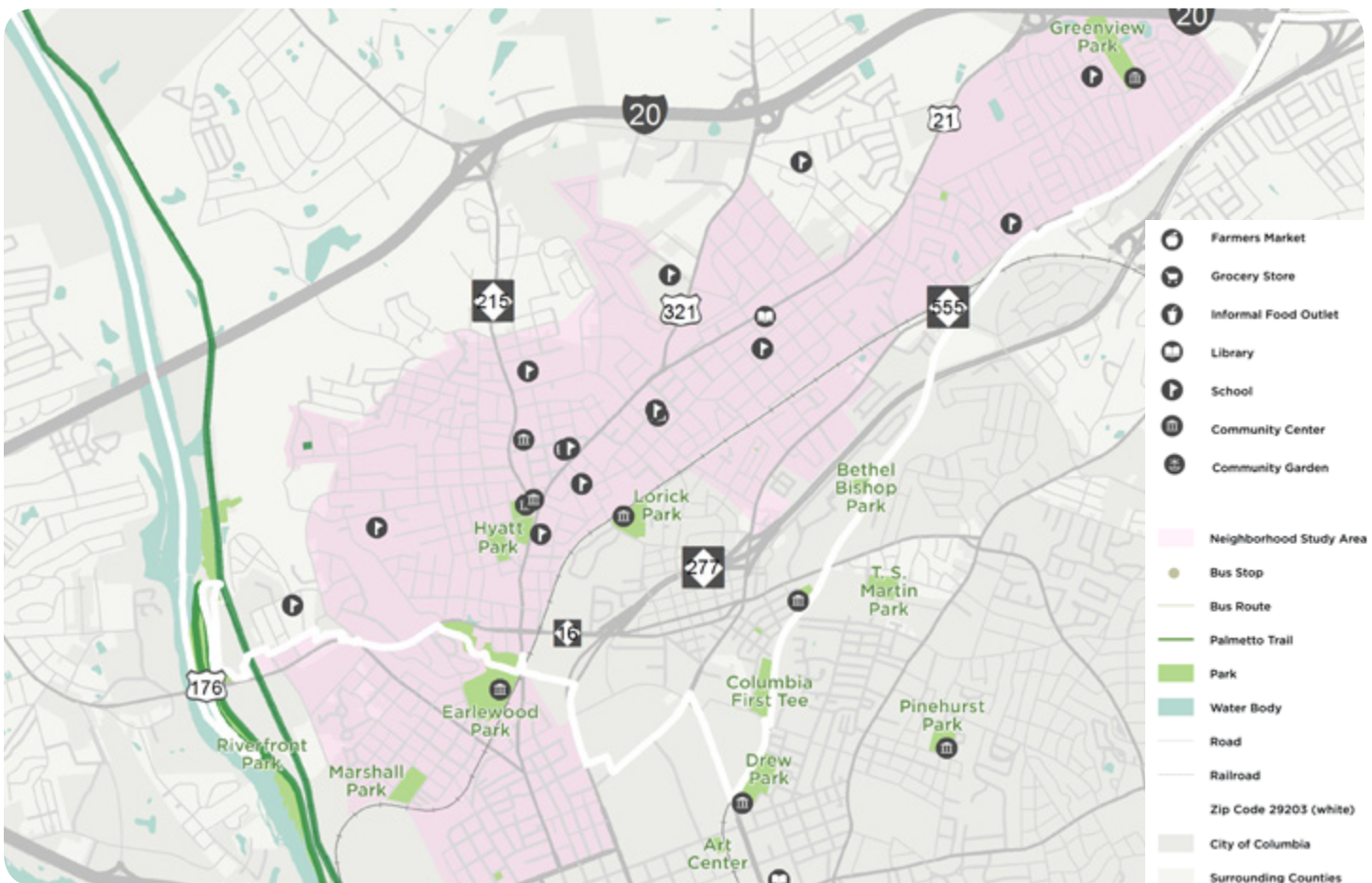
At a glance...

The North Main study area is situated within and north of the City of Columbia. The area is bounded by Interstate 20 to the north, Broad River to the west, downtown Columbia to the south, and parts of the railroad and Highway 277 to the east.

North Main Street is the defining corridor of the community, both as an obstacle that bisects the area and as an asset, serving as an extension of the downtown business district. The area surrounding the corridor is over 4,200 acres and comprises approximately 25 neighborhood associations. As described in the *Master Plan for the Villages of North Columbia*, the area is "best characterized by its beautiful, well established single-family neighborhoods... [and] proximity to downtown."

The North Main area is not without its challenges, however. The auto-oriented landscape of these adjoining neighborhoods have left them vulnerable to the strains of older suburban communities, including disinvestment, higher vacancy rates, and streetscape designs that are unfriendly and uninviting spaces for pedestrians.

Community members have been in tune with the challenges and opportunities at stake in the North Main area for a number of years, as demonstrated through their Master Plan. The project team tapped into their knowledge through a public outreach process aimed at building on past and current walkability efforts.



Above: The North Main study area is shown in pink.

PUBLIC INPUT

SUMMARY

As part of the data collection process and during the development of network recommendations, the project team solicited input from NOMA residents and community leaders. Feedback was collected in a number of ways, including:

- Focus group sessions
- Survey (online and hard-copy)
- Public input meetings
- Technical Training

This section summarizes the key findings of this Plan's public input process.



Public input participants share their thoughts about improving walkability in NOMA.

FOCUS GROUPS

Two focus groups were conducted at the Eau Claire Print Building. Eighteen community members participated in the focus groups. Participants were chosen based on residency in the North Main area, as well as interest in improving access to active living and healthy eating. A diverse mix of residents were invited to best reflect and represent the area's demographics.

Specific objectives of the focus groups include the following:

- Identify where residents are currently walking in the North Main area,
- Determine where residents want to walk but cannot because of poor accessibility
- Explore residents' perceptions of pedestrian safety issues,
- Seek residents' input on accessibility to grocery stores and healthy food outlet options
- Seek residents' input on priority pedestrian planning projects and destinations

"I am interested in seeing better connectivity."

- Focus group participant

"I would like to see the perception of this area change."

- Focus group participant

"Rehab the sidewalks and... connect them to the main thoroughfares."

- Focus group participant

KEY FINDINGS

Question: What assets exist in North Main? How can the pedestrian master plan build upon or leverage current assets?

- Three Rivers Greenway & Vista Greenway**
 Focus group participants expressed an appreciation for the connections provided by these greenways, the excitement and investment they have spurred, and the linear greenspace they provide. The greenways are used by a diverse group of community members and should be seen as an asset to attract new residents and developers who can invest in the community.
- Earlewood Park**
 This City-owned park is one of the largest and most-loved in the North Main area. Although the majority of the park is in a different zipcode, it acts as a great resource to the residents of our study area. It is home to the Earlewood Park Community Center, NOMA's "Bark Park", tennis courts, amphitheater, baseball fields, basketball court, and a walking path. Residents want to see safer, more convenient pedestrian access to the park from surrounding neighborhoods and along North Main Street.
- Elmwood**
 A lot of people walk on Elmwood Avenue and in the Elmwood neighborhood for both transportation and exercise. The corridor is a major link to Main Street and downtown Columbia. The greater area is a natural link between downtown, neighborhoods, NOMA community garden, Earlewood Park and Marshall Park, and the transit stops and retail on Main Street.

Question: What are the biggest barriers to walkability in the North Main area?

- Lack of sidewalks**
- Perception of Crime**
 Although crime rates in the area have dropped over the past few years, focus group members said there is a perception that the area is dangerous. They said unwarranted fears about safety are the biggest barriers to getting people to walk outdoors.
- Traffic Concerns**
 Participants said they would like to see infrastructure and design improvements to slow traffic and buffer pedestrians at the following streets and intersections:
 - N. Main Street & Monticello Road
 - N. Main Street & Avondale Drive
 - N. Main Street & Lorick Avenue
 - Clement Road & River Drive
 - Park Street & Elmwood Avenue
- Lighting Concerns**
 Focus groups participants said they hope the pedestrian plan includes recommendations for improved lighting near the following areas:
 - BI-LO parking Lot
 - N. Main Street Branch of the Richland County Library
 - Sunset Drive
 - Monticello Road (from I-20 to Main Street)

"I would love to get to the parks on foot."

- Focus group participant

Question: What are high priority projects, streets, neighborhoods, or destinations for improved access? Why are they priorities?

Focus group participants identified priorities that fell into two distinct categories. Many said the pedestrian plan should **leverage the revitalization that is already happening** in the gentrifying NOMA planning area on the south end of the North Main Planning area. Others felt that priority should be placed on projects **north of NOMA** because they would have a **greater impact on residents with the highest health and financial needs**.

Each of the following priority projects or focus areas meet one or both of those objectives:

- **Complete sidewalk network**

Focus group participants identified a lack of sidewalks, particularly in high-demand and high-need areas like schools and parks, as one of the biggest barriers to walkability and getting people to walk. Closing network gaps and improving sidewalk conditions should be a priority for this plan.

- **Community Garden Program**

The ongoing community garden programs across NOMA are very popular, especially at Hyatt Park. Expanding safe pedestrian access to these locations is a priority for residents, and can help improve the program's success.

- **Access to the riverfront**

Focus group members said they want to see efforts made to improve bike and pedestrian access to the Columbia Canal and Riverfront Park (Riverwalk), particularly via the Riverview Terrace neighborhood. They said it would help to make the North Main area more attractive to new residents and developers.

- **Connection to transit**

Many residents of the North Main area rely on the COMET for their transportation needs. Getting to bus stops on foot, however, can be a challenging, unsafe, and unenjoyable venture. While the transit system has made strides to adequately mark bus stop locations, nearly all stops lack amenities like benches, shelters, and a buffer area from the arterial roads they are often located on, that make transit an inviting choice. COMET has set out to address this barrier and priority need through their "Bus Stop Project," a proposal which seeks to install bus shelters, bike racks, and other amenities and bus stop locations. The pedestrian master plan can work in tandem with this project to support and direct their efforts.

"Access to the river is really important to me."

- Focus group participant

"I want success for the most vulnerable parts of 29203."

- Focus group participant

SURVEY SYNOPSIS

As previously mentioned, Walkable 29203 Surveys honed in on community needs and priorities related to walkability, and reinforced findings uncovered during other public outreach efforts. This section highlights key findings as they relate to North Main. A full report of survey results can be found in the appendix.

KEY FINDINGS

- Respondents believe **improving walking conditions is very important**
- **Exercise is among the top reasons respondents say they walk in their community.**
- To enjoy nature, to get somewhere, and for recreation were the next most popular responses.
- **Arlington Avenue and the Seminary Ridge Neighborhood** were described as current popular walking routes.
- Respondents expressed a **preference to walk to** the following **key destinations**:
 - Grocery stores and other healthy food outlets (especially BI-LO and Publix)
 - Restaurants, delis, and dining options
 - Parks
- To increase walking, respondents said they prefer:
 - Sidewalks away from traffic
 - Paved pathways away from the street
 - Lighting and other amenities
- **Nearly all respondents** expressed that they **want to be able to walk to buy their groceries.**

"I drive out of our zip code for groceries weekly..."

- Survey respondent

"I use a walker and regularly walk 1 to 1.5 miles per day. The streets and sidewalks in this area are very uneven and crossing Monticello and North Main Street is dangerous for me. "

- Survey respondent

"I have the means to be able to travel to better grocery stores, but many of my neighbors may not have that ability."

- Survey respondent

"I would like to see a walking/biking route off N. Main Street connecting the Seminary Ridge neighborhood via the Earlewood Neighborhood to the Cottontown neighborhood."

- Survey respondent

PUBLIC INPUT MEETINGS

As mentioned in Section II, two public meetings were held as part of this plan's public input process. The first meeting was held during the kick-off phase as a way of understanding local needs and concerns related to walkability, and the second meeting was held to get feedback on draft recommendations that had been identified by the project team through stakeholder and public outreach.

KEY FINDINGS OF MEETING #1

Top concerns expressed by meeting attendees were the **need for sidewalk connectivity** and an **increased sense of safety**. A number of residents also expressed a **willingness to walk if major corridors were improved for pedestrians** or if alternative routes that avoid those major corridors were identified and established as pedestrian-friendly.

Meeting participants voted on a 'visual preference board' (below) which asked "What Would Make You Walk More?"

The **top three things** which would motivate people to walk more were:

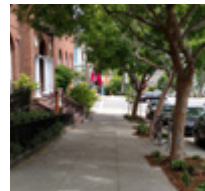
- **Lighting**
- **Vibrant storefronts**
- **Sidewalk maintenance and buffers**

What motivates you to walk?

WHAT WOULD MAKE YOU WALK MORE?



PLACE A STICKER TO VOTE FOR YOUR THREE FAVORITES!

 Safer Crossings Sidewalk extensions, more visible crosswalks, crossing islands, and other improvements can make it safer to cross major streets.	 Better Lighting Highly visible pedestrian lighting along sidewalks helps make walking at night safer and more comfortable.	 Improved Access to Destinations Improved walking facilities to destinations such as grocery stores, schools, museums, parks, and theaters.	 Slower Traffic Enforcement and marketing campaigns, as well as physical roadway treatments and signs, can all help reduce the volume and speed of car traffic.	 Better Railroad Crossings Well-designed at-grade crossings for pedestrians at railroad tracks can provide safe and convenient access between neighborhoods and to downtown.
 Sidewalk Maintenance & Buffers Improvements to reduce bumps and cracks and add grassy buffer area on major routes to provide a safe and comfortable place for pedestrians.	 Walking Trails Off-street trails and greenways can provide scenic and inviting options for people walking for recreation, exercise, or any other purpose.	 Destination Signs Wayfinding signs at lower heights with smaller, pedestrian-friendly text help people find popular destinations and encourage them to walk to those places.	 Shade Trees and Landscaping Mature trees provide needed shade for people walking, and other landscaping such as flowers and plants beautify the community.	 Vibrant Storefronts Active storefronts that face the street and interact with pedestrians provide a fun and interesting walking experience.

KEY FINDINGS OF MEETING #2

A second public input meeting was held jointly in Crane Creek, with materials for both locations presented for review by residents, community leaders, and stakeholder, in an open house style setting. The joint meeting gave residents of both study areas the opportunity to see both the Crane Creek and North Main recommendations, and gain an understanding of the core purpose behind the Walkable 29203 Pedestrian Master Plan.

Materials presented at this meeting included a voting board where attendees could vote on their preferred type of pedestrian facility, and their preferred priority programs and policies, which helped inform the recommendations in this plan. The posters also included photo-simulations of recommended improvements

for several priority projects that were identified through input from the advisory group. Supplemental materials were also presented, including a summary poster of the project purpose and goals, and a summary of the equity analysis.

Walkable 29203 Priority Recommendations

Place a dot next to a picture to vote for your favorites!



FITNESS IN THE PARK

Reaching out to residents to encourage walking and other physical activities can help improve personal health and strengthen ties within the community. By partnering with course instructors from the Crane Creek Gymnasium, the park can host multiple outdoor activities.

PLACE DOTS HERE



NATIONAL NIGHT OUT

This annual community-building campaign promotes police-community partnerships and neighborhood camaraderie to make local neighborhoods safer. This also provides organizations the opportunity to promote safety awareness through fun activities for all ages.

PLACE DOTS HERE



COMMUNITY PICNICS

These events provide a low-key opportunity for residents to meet each other as well as members of City Council, City staff, and fire and rescue. Picnics or barbecues can be altered to focus on locally sourced healthy foods and what local leadership is doing to support a healthy lifestyle.

PLACE DOTS HERE



DRAFT PHOTOSIMULATION - Sidewalk Connectivity
Fairfield Road



VISION ZERO POLICY

With the goal of zero fatalities, the Vision Zero policy takes a comprehensive approach to protecting vulnerable road users like bicyclists and pedestrians through street design, legislation, education, and enforcement. The policy includes targeted action steps to achieve zero traffic deaths.

PLACE DOTS HERE



NEIGHBORHOOD FARMERS MARKET

A neighborhood farmers market can provide a wide selection of fresh and affordable produce to the residents of Crane Creek. The neighborhood can leverage their proximity to local farmers or work with the State Farmers Market to assist in the implementation of a neighborhood-based market.

PLACE DOTS HERE



SAFE ROUTES TO SCHOOL

Programs educate youth and parents about safe bicycling and walking skills, encourage schools and communities to support bicycling and walking, and help communities make safer streets, trails, and sidewalks for bike riders and walkers of all ages.

PLACE DOTS HERE



DRAFT PHOTOSIMULATION - Crossing Improvement
Blue Ridge Terrace at Forest Heights Elementary School

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8



North Main Opportunities & Constraints

OPPORTUNITIES

PARK & RECREATION FACILITIES



NOMA residents have **a number of park and recreation facilities in their area as well as directly outside their zipcode, including greenways, to enjoy daily, helping to serve their physical activity needs.** Creating safe, convenient, and comfortable ways of accessing these areas on foot can only increase their popularity and increase the quality of life for all residents and visitors. **Adding wayfinding signage is one way to inform residents and visitors of their proximity to these wonderful places, and to inform users of the connections that exist between them.**

PARTNER WITH SCHOOLS & TRANSIT



NOMA is fortunate to have schools, particularly **elementary schools, situated in residential neighborhoods.** Developing a partnership with Safe Routes to School means increased funding opportunities related to active transportation, and increased physical activity levels for both children and adults. Also, a **partnership with COMET presents opportunities to further expand residents' mobility** - allowing them to reach more employment opportunities, shopping destinations, and recreational opportunities via public transit.

NEIGHBORHOOD STREETS



Residential areas of North Main, particularly the Seminary Ridge neighborhood, have **beautiful tree-lined streets, some with wide landscaped medians**. This makes for pleasant neighborhood walking conditions. **Preserving this character is key for retaining quality of life**. Adding traffic calming and other slow zone techniques can increase pedestrian safety. These neighborhood streets present an **opportunity to capitalize on and expand the success of an existing asset through low-cost improvements**.

HEALTHY FOOD OUTLETS



The City and NOMA leadership have recognized the **importance of healthy food outlets by establishing community gardens**. **Expanding healthy food options** to incorporate more community members, **particularly those who are most vulnerable and food insecure can stabilize the community and stimulate pride**. Creating **comfortable, safe, and convenient connections to existing healthy food options** like grocery stores, farmers markets, and even produce stands at the roadside can **encourage people to not only to walk but to eat better**.

CONSTRAINTS

WALKABILITY DISCONNECT



The auto-oriented streetscapes that dominate much of NOMA's **major corridors pit pedestrians immediately adjacent to wide travel lanes which encourage speeding**. A lack of buffer area makes residents traveling on foot **feel unsafe and unwelcome**. There is also a walkability disconnect occurring on calmer, well-designed streets that have **sidewalk network gaps**. These **limitations in mobility and accessibility discourage walking** and reinforce the use of a car to get around. Creating seamless connections between neighborhoods and to the primary destinations residents need and want to walk to will be a priority.

PERCEPTION OF SAFETY



Perception of crime and violence prevents many NOMA residents from walking, especially at night. Residents expressed their preference for walking in their neighborhoods on local streets. However, **there are few pedestrian-oriented lights to improve their sense of safety so residents forego walking altogether**. Organizing neighborhood watches and partnering with law enforcement to establish recurring walking routes that are monitored can encourage walking, foster community relationships, and deter crime.

RAILROAD CROSSINGS



Difficult railroad crossings mean residents in some neighborhoods have to walk further to reach destinations or are discouraged from walking altogether. The railroad tracks run along the entire eastern border of NOMA and through the heart of the Earlewood neighborhood. They are a particularly **troublesome obstacle at major intersections** like Farrow and Fontaine, as well as Farrow and Westmore. These **railroad tracks are a divisive barrier for connectivity** and **require special design attention to ensure access for all.**

COMPLIANCE & ENFORCEMENT



ADA accessibility is a systemic issue in 29203's pedestrian network. The CDC recognizes that walking and wheelchair rolling are rights, not luxuries, that each person should have. As such, **the city and county should design and invest in its pedestrian facilities** to encourage safe pedestrian activity and **integrate walking and wheelchair rolling as a normal part of daily life** for people of all ages and abilities. Apart from ADA compliance, there is a lack of enforcement for people who park their cars on sidewalks. This bad practice, which forces pedestrians into the roadway and signals a lack of consideration for the pedestrian, appears to be a cultural norm across various NOMA neighborhoods.

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9



North Main Recommendations

OVERVIEW

The following sections detail priority pedestrian infrastructure recommendations for the North Main neighborhoods. The intent of these recommendations is to present a vision of walkability priorities, ensuring citywide accessibility and mobility for pedestrians of all ages and abilities. Improvements focus on making walking safer and a more enjoyable experience to increase the overall quality of life for residents of and visitors.

To achieve such a vision, recommendations include:

- **Spot improvements** which account for both signalized and unsignalized crossing improvements.

Crossing improvement recommendations address pedestrian safety, comfort, and convenience by targeting specific areas with high foot traffic and problem areas.

Each identified spot recommendation will have a host of improvements that are typical of a well-designed crossing. These improvements include:

- High-visibility crosswalk
- Pedestrian push buttons
- Pedestrian countdown signals
- ADA compliant curb ramps
- Pedestrian warning signs
- Median refuge islands for long crossings
- Traffic calming

In total, 12 unsignalized and 10 signalized improvements have been identified.

- **Corridor improvements** which also address pedestrian safety, comfort, and convenience by looking holistically at the pedestrian experience along a stretch of the road.

Typical corridor recommendations include:

- ADA compliance
- Filling sidewalk network gaps
- Streetscape design elements such as landscaping, street furniture, wayfinding, and pedestrian-scale lighting
- Road Diet or "right-sizing" the road
- Traffic calming

While these infrastructure recommendations are considered priorities for North Main, the County and SCDOT should remain opportunistic and flexible. New developments, roadway reconstruction projects, and regularly programmed maintenance programs should not preclude other improvements from happening.

The recommended facility types described herein are based on national best practices for pedestrian and bicycle design and are compliant with state and national design guidelines. The pedestrian portion of the City of Columbia's Pedestrian Design Guidelines are included in the Appendix.

The map on the following page includes the following recommendation types:

- Sidewalk infill & traffic calming
- Greenway connection
- Road diet
- Signalized spot improvement
- Unsignalized spot improvement

PEDESTRIAN NETWORK RECOMMENDATIONS MAP

The adjacent NOMA map shows recommendations for improving the pedestrian network via both corridor and spot improvements in order to meet the project goals of increasing pedestrian mobility and access, and connectivity to healthy food outlets and active spaces.

LEGEND

Corridor Improvements

Sidewalk Infill & Traffic Calming

Greenway Connection

Road Diet

Spot Improvements

Signalized

Unsignalized

Planned Penny Sales Tax Sidewalk In-fill

Planned Penny Sales Tax Spot Improvement

Farmers Market

Grocery Store

Informal Food Outlet

Library

School

Community Center

Community Garden

TIGER Project

Neighborhood Study Area

Bus Stop

Bus Route

Palmetto Trail

Park

Water Body

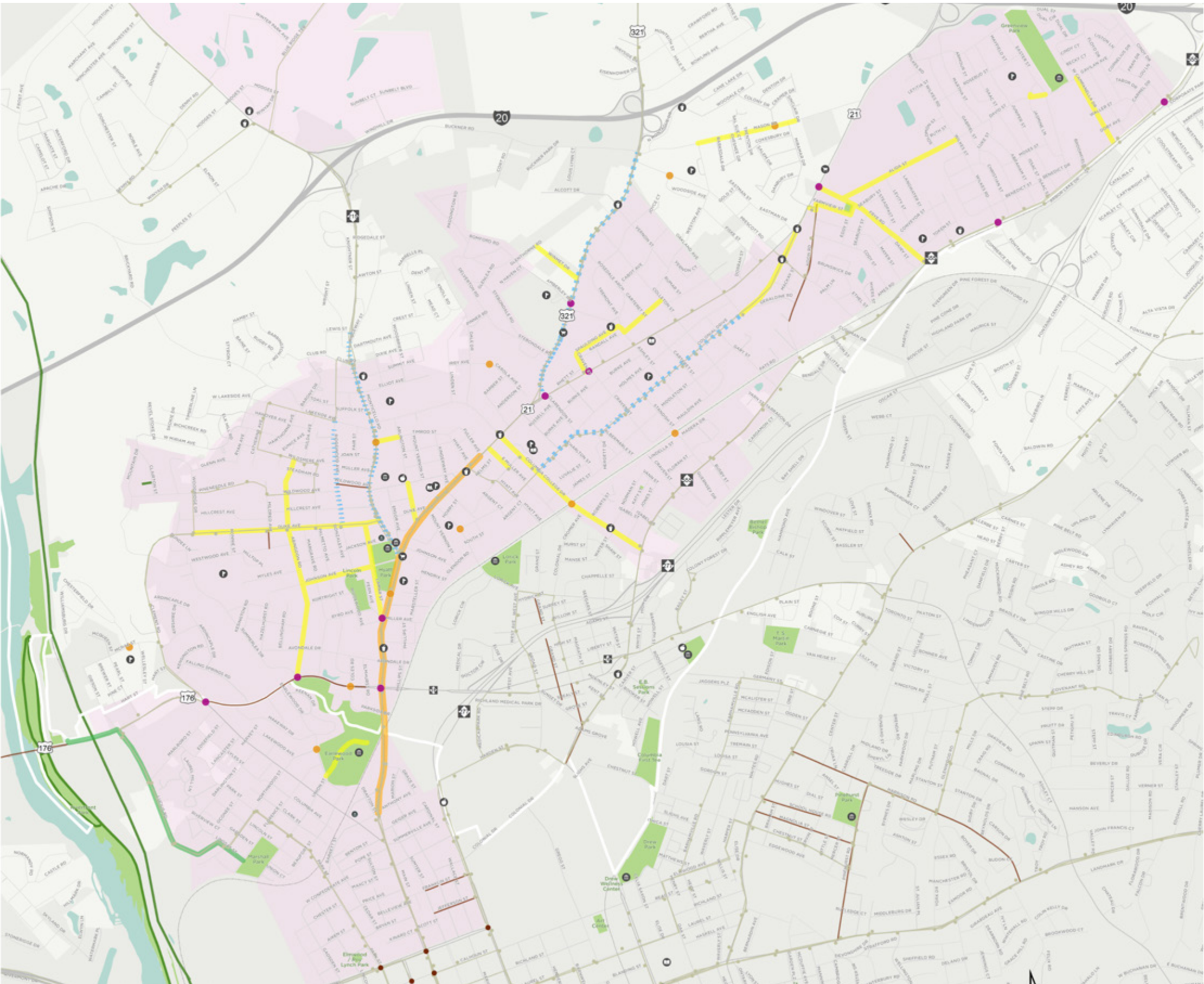
Road

Railroad

Zip Code 29203 (white)

City of Columbia

Surrounding Counties



Recommended Pedestrian Network Improvements

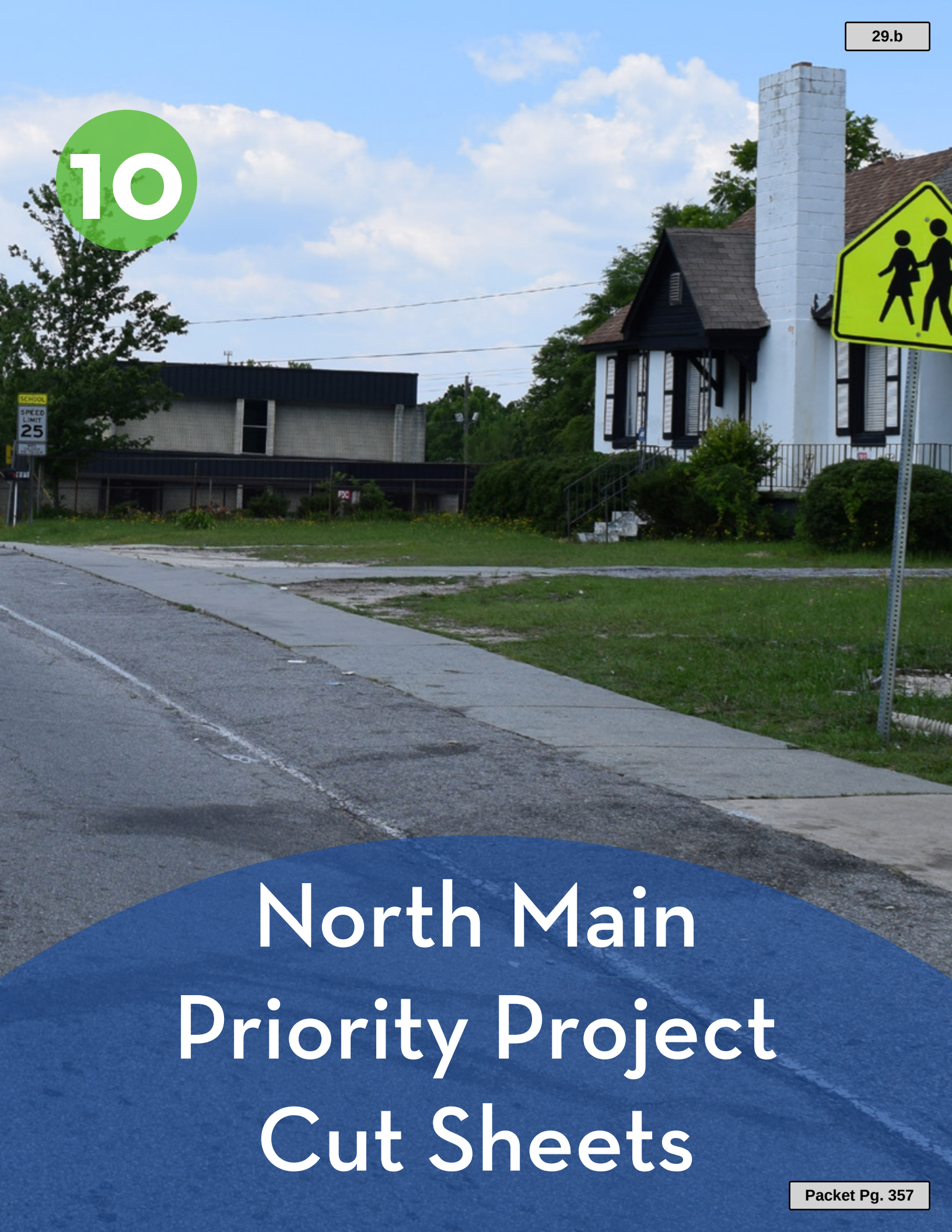
CORRIDOR	BEGIN/END	POTENTIAL IMPROVEMENTS FOR CONSIDERATION
Lindsay Street	Florence St./Lucius Rd.	Greenway Connection
Lucius Road	Lindsay St./River Dr.	Greenway Connection
River Drive	Lucius Rd./Three Rivers Greenway	Greenway Connection
N. Main Street	Anthony Ave./Fuller Ave.	TIGER Project
Parkside Drive	Earlewood Dr./Main St.	Sidewalk in-fill and traffic calming
Abingdon Road	Sunset Dr./Wildsmere Ave.	Sidewalk in-fill and traffic calming
Johnson Avenue	Abingdon Rd./Lamar St.	Sidewalk in-fill and traffic calming
Duke Avenue	Woodbridge Dr./Monticello Rd.	Sidewalk in-fill and traffic calming
Lamar Street	Main St./Duke Ave.	Sidewalk in-fill and traffic calming
Timrod Street	Monticello Rd./Arlington St.	Sidewalk in-fill and traffic calming
Arlington Street	Main St./Wildwood Ave.	Sidewalk in-fill and traffic calming
E. Muller Avenue	Main St./Windemere Ave.	Sidewalk in-fill and traffic calming
Columbia College Drive	Main St./Farrow Rd.	Sidewalk in-fill and traffic calming
Monticello Road	Main St./Lewis St.	Road diet
Ridgewood Avenue	Duke Ave./Lakeside Ave.	Road diet
Colonial Drive	Columbia College Dr./Oakland Ave.	Road diet
Colonial Drive	Oakland Ave./Eastman Dr.	Sidewalk in-fill and traffic calming
Spaulding Avenue	Craven St./Ashley St.	Sidewalk in-fill and traffic calming
Craven Street	Main St./Spaulding Ave.	Sidewalk in-fill and traffic calming
Ashley Street	Spaulding Ave./Randall Ave.	Sidewalk in-fill and traffic calming
Randall Avenue	Ashley St./Colleton St.	Sidewalk in-fill and traffic calming
Winmet Drive	Glenthorne Rd./Fairfield Rd.	Sidewalk in-fill and traffic calming
Mason Road	Weston Ave./Sinclair Dr.	Sidewalk in-fill and traffic calming
Farmview Street	Koon Rd./Eddy St.	Sidewalk in-fill and traffic calming
Meridian Drive	Main St./Koon Rd.	Sidewalk in-fill and traffic calming
Frye Road	Main St./Farrow Rd.	Sidewalk in-fill and traffic calming
Alida Street	Frye Rd./Wilkes Rd.	Sidewalk in-fill and traffic calming
David Street	Jasmine Ln./Easter St.	Sidewalk in-fill and traffic calming
W. Campanella Drive	Gavilan Ave./Farrow Rd.	Sidewalk in-fill and traffic calming

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10



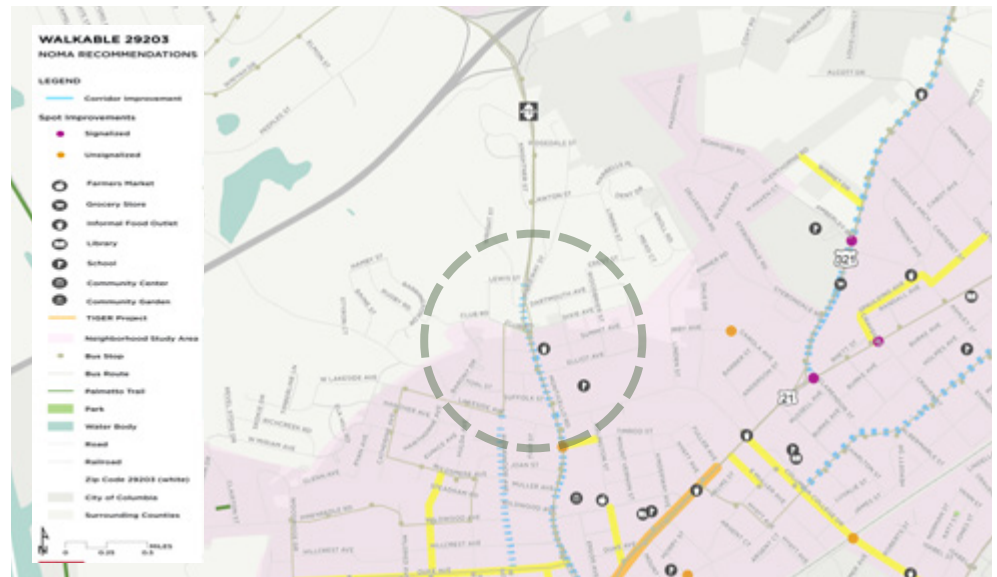
North Main Priority Project Cut Sheets

Monticello Road

Monticello Road is a primary arterial in this area, with many popular retail and service businesses located along it. Pedestrian safety and access to these businesses can be improved with corridor and spot improvements.

The Family Dollar is a priority location for improvements due to the high pedestrian traffic it attracts. High-visibility crosswalks and Rectangular Rapid Flash Beacons (RRFBs) will increase the visibility of pedestrians crossing the street.

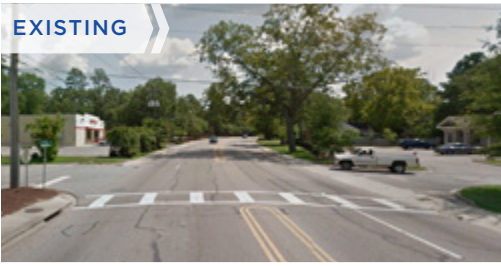
The conversion of the outside lane into bike lanes will also provide a buffer from vehicle traffic for pedestrians on the existing sidewalks.



RECOMMENDED IMPROVEMENTS

- + High visibility crosswalks
- + RRFBs and refuge medians
- + ADA compliant curb ramps
- + Road diet to create bike lanes (buffers)

EXISTING



PROPOSED CORRIDOR IMPROVEMENTS

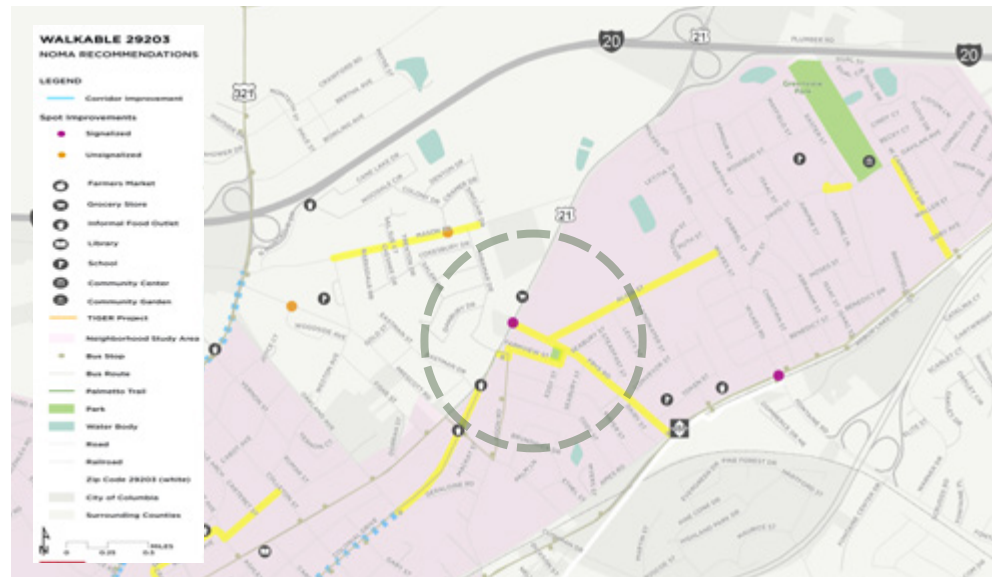
Monticello Road at Family Dollar

Frye Road

Frye Road is as a key link between Farrow Rd. and N. Main St. It is a main access point to a grocery store, Fairwold Park, and Pendergrass Fairwold School.

Safety can be improved along the corridor by reducing the speed limit from 30 to 20 MPH. A grassy buffer between the sidewalk and roadway will add a level of comfort and safety to the pedestrian experience too.

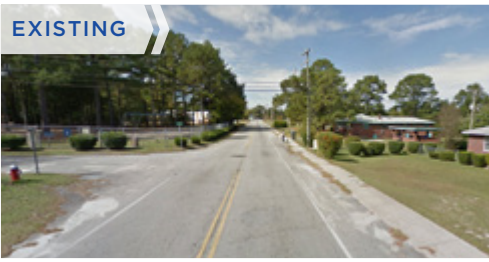
A raised crosswalk that acts as a speed bump and a speed-feedback sign will calm speeding and deter cut-through traffic. Bollards and paint can be used as a short-term solution to tighten the turning radius and reduce speeds at the intersection of Eddy Street, increasing safe pedestrian access to the park.



RECOMMENDED IMPROVEMENTS

- + Raised, high-visibility crosswalk
- + Buffers separating sidewalks from roadway
- + Reduced turning radius onto Eddy St.
- + Reduced speed limit from 30 to 20 MPH

EXISTING



PROPOSED CORRIDOR IMPROVEMENTS

Frye Road near Fairwold Park



SECTION IV: PROGRAMS, POLICIES & NEXT STEPS

**CHAPTER 11 Programs & Policy
Recommendations**

CHAPTER 12 Next Steps

**CHAPTER 13 Pedestrian Facility
Types**

CHAPTER 14 Appendices

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11

Programs & Policy Recommendations

OVERVIEW

The Pedestrian Plan and infrastructure recommendations will provide safer, more comfortable places for residents and visitors alike, all while increasing livability, walkability, and local trail use; however, while improving infrastructure is critical to increasing walkability, the importance of education, encouragement, enforcement and evaluation efforts should not be underestimated.

Programs can ensure that residents will know about new and improved facilities, learn about the many benefits of walking, and receive positive reinforcement about why and how to integrate walking into an active and healthy lifestyle. In essence, programs can help to provide the maximum "return on investment" in the form of more people walking and a higher degree of safety and awareness around walking and pedestrians in North Main and Crane Creek.

Education and encouragement programs are designed to raise awareness of walking; connect users to existing and future resources; and to encourage residents to walk more often. These program recommendations will give the City and County, and their neighborhood and community partners, the tools they need to address travel choices, public health, and increase community-wide physical activity.



29203 AREA-WIDE PROGRAM & POLICY RECOMMENDATIONS

VISION ZERO POLICY

Vision Zero is based on the idea that traffic deaths on city streets are unacceptable and preventable. With the goal of zero fatalities, the Vision Zero policy takes a comprehensive approach to protecting vulnerable road users like bicyclists and pedestrians through street design, legislation, education, and enforcement.

For this policy to be effective for the health and safety of the 29203 community, this Plan recommends Vision Zero policy adoption by both Richland County and the City of Columbia. A Vision Zero policy should include an overarching vision for zero traffic fatalities.

The link between the urban and rural areas of the 29203 zip code presents a unique opportunity to pursue healthy food access initiatives that connect the farming and agriculture community directly with nearby neighborhoods and residents. With a goal of increasing healthy food availability, accessibility and affordability, the following two programs are recommended for further exploration:

Resources:

Policy Resource:

[More about Vision Zero](#)

Example Program:

[Austin, TX, Vision Zero](#)

PEDESTRIAN & BICYCLE COUNT PROGRAM

Understanding existing demand, trends in activity, and user needs is critical to improving the environment for active transportation. It can inform prioritization of investments, measure impact, and provide a useful tool for communicating need and value.

The Walk Bike Columbia plan included an inaugural Pedestrian & Bicycle Counts program led by the City of Columbia and implemented by volunteers. As Richland County works to implement the recommendations of Crane Creek planned improvements and the City of Columbia invests in the North Main Villages community, the County and the City should include pedestrian and bicycle count locations within each area. The two agency should partner in conducting the annual counts to allow efficiencies in the process and to ensure consistent data collection methods.

Resource:

Program Resource:

[More about Pedestrian & Bicycle Counts](#)

The link between the urban and rural areas of the 29203 zip code presents a unique opportunity to pursue healthy food access initiatives that **connect the farming and agriculture community directly with nearby neighborhoods and residents**. With a goal of increasing healthy food availability, accessibility and affordability, the following two programs are recommended for further exploration:

HEALTHY CORNER STORE INITIATIVE

A “healthy corner store” initiative works with area business owners and managers to increase healthy food options at small food retail stores or convenient stores that already exist in a community. The goal is to broaden the range of food and beverage choices available in retail outlets that already serve local community members and that are, by virtue of their “corner store” location, are walkable destinations. South Carolina DHEC is leading a pilot program to advance healthy corner stores in the state. Richland County and the City of Columbia should coordinate directly with DHEC regional staff to evaluate the findings and ‘lessons learned’ of that pilot program. The County and City should work with neighborhood leaders and regional farmers to craft a locally-oriented program to further that effort.

Resource:

Program Resource:

[More about Healthy Corner Store Initiatives](#)

FARM-TO-SCHOOL or FARM-TO-INSTITUTION

Farm-to-institution food service provides a substantial benefit to both the participating farmers and the institutions through increasing local economy, reducing transportation distribution costs, and developing a new revenue for farmers. When applied to schools, the students can benefit from the improved nutritional quality and taste as well as from related educational programs on local agriculture, nutrition and food systems. This is especially true for those from lower income families who rely on free and reduced price school meals.

The South Carolina Farm to School Program offers mini-grants and technical assistance for schools to implement the four core components of Farm to School. The call for applications for the 2016-17 school year closed in early May. Grant funding for schools is usually announced early spring, and the website has an example of the RFP from the 2016-17 announcement. Schools that have not received any funding from the SC Farm to Institution program in the past 3 school years are eligible to apply if they meet the following requirements: a) participate in the National School Lunch/Breakfast Program, and b) have an ADM (Average Daily Membership) that is 50% or more eligible for free and/or reduced-price lunch.

Resources:

Program Resources:

[More about Farm to School](#)

[More about Farm to Institution](#)

ADOPT ENGINEERING STANDARDS

Design guidelines were adopted by the City of Columbia City Council as part of policy guidance included in Walk Bike Columbia, the city's adopted bicycle and pedestrian master plan.

As a next step, the City, County, and its implementing partners should work with Utilities & Engineering and the Public Works Department to formally incorporate design specifications into Engineering Regulations.

Though the County has not adopted Walk Bike Columbia, it can take a similar step to adopt the Walk Bike Columbia design guidelines or other national guidance, such as NACTO-developed guidance, within County Engineering Regulations and Standards.

Resources:

Policy Resources:

[NACTO Urban Bikeway Design Guide](#)

[NACTO Urban Street Design Guide](#)

CRANE CREEK RECOMMENDED PROGRAMS

ACTIVATION OF CRANE CREEK PARK

Parks are essential to creating an active neighborhood, providing recreational opportunities, and supporting a neighborhood's identity. Activating this rich resource can encourage residents and visitors to enjoy nature and be active. Below are a list of potential events that will help to support physical activity, neighborhood cohesion, and access to healthy foods.

Fitness in the Park

Regular physical activity has been shown to have considerable health benefits, such as helping to maintain a healthy weight and reduce the risk of heart disease, high blood pressure, and Type 2 diabetes. Reaching out to residents to encourage walking and other physical activities can help to improve personal health and strengthen ties within the community. By partnering with course instructors from the Crane Creek Gymnasium, the park can host multiple outdoor activities to include:

- Yoga classes
- Meditation classes
- Tai chi classes
- Nature walks
- Boot camp
- Zumba classes
- Fitness walks or runs to the park

Resources:

Example Programs:

City of Saint Paul, MN:

[Fitness in the Park](#)

City of Johns Creek, GA:

[Free Outdoor Fitness](#)

Build Community

A fun way to build community is to host special events at Crane Creek Park. Crane Creek Park has the potential to become the “living room” of the community.

Community Concerts: The Ardenwald and Johnson Creek Neighborhood Association in Milwaukie, Oregon, hosts a family-friendly summer concert series in their neighborhood park. The neighborhood association and its volunteers are fully responsible for the event. The association even sells food and drinks to help support the event and their efforts.

National Night Out: This annual community-building campaign promotes police-community partnerships and neighborhood camaraderie to make neighborhoods safer. This event would give the neighborhood, city, and public health organizations the opportunity to promote safety awareness with a special emphasis on pedestrian safety, answer questions from citizens, and provide fun activities and materials for children that help support walking and physical activity.

Community Picnics: Picnics can be organized by the neighborhood association and local health and fresh food organizations. Each summer, the City of Wilsonville (Ore.) hosts neighborhoods barbecues that rotate to different residential areas of the community. These events provide a low-key opportunity for residents to meet with members of City Council and various City boards and commissions, along with staff of different departments. Representatives of the Library, Public Transit,

Parks and Recreation, Community Development and Planning, along with local Fire and Rescue attend with informational displays and booths. City and community leaders look forward to opportunities to answer questions, share information and hear feedback from the community. An event like this could be altered to focus on locally sourced foods, showcase delicious and healthy foods, and provide an opportunity for the neighborhood to learn about the City and County's future investments in pedestrian infrastructure.

Resources:

Program Resources:

Milwaukie, Oregon:

[Summer Concert Series](#)

Wilsonville, Oregon:

[Neighborhood Barbecues](#)

ACCESS TO HEALTHY FOODS

Physical activity and healthy eating improve overall public health and wellness. This important link can be highlighted in a fun and interactive manner through promoting healthy food outlets along with walking. The neighborhood, with the help of volunteers, should look to partnering with healthy food providers, local farmers, and promote the use of the community garden program.

Community Garden Tours: working with the Richland County Master Gardener Association, the neighborhood could create a community garden event where gardeners can share tips or best gardening practices, recipes, and allow visitors to explore the community garden(s).

Neighborhood Walking Tours: Working with residents, the neighborhood can identify individuals who are willing to showcase their gardens to the public. Either a resident volunteer or a representative from the Richland County Master Gardener Association could help lead walks and present at the stops. Guest presenter topics can include; how these gardens help to foster community, help feed the hungry, as well as discuss local gardening practices. The tour can also highlight more than just healthy food options. Other topics can include native wildflowers and storm water facilities. Because this program is volunteer based, it is recommended that the walking tour be an annual or semi-annual event.

Neighborhood Farmers Market: A neighborhood farmers market can provide a wide selection of fresh and affordable produce to the residents of Crane Creek. The neighborhood could leverage their proximity to local farmers or work with Soda City Market or State Farmers Market to assist in the implementation of a neighborhood based market.

Resources:

Example Program:

Columbia and Boone County, Missouri:

[Community Garden Coalition](#)
[Walking Tour](#)

Program Resources:

New York City, New York:

[Healthy Bucks Program Guidelines](#)
[for a Successful Market Tour](#)

University of California, Davis:

[Starting a New Farmers Market Guide](#)

University of Louisville,
Louisville, Kentucky:

[Growing a Farmers' Market in Your](#)
[Neighborhood: Recommendation](#)
[for Success](#)

SAFE ROUTES TO SCHOOL

Safe Routes to School (SRTS) programs use a “5 Es” approach that integrates Engineering, Education, Enforcement, Encouragement, and Evaluation strategies to improve safety and encourage children to walk and bicycle to school. Programs educate youth and parents about safe bicycling and walking skills, encourages schools and communities to support bicycling and walking, and help communities make the streets, trails, and sidewalks safe for bike riders and walkers of all ages.

To create a robust SRTS program involves assessing needs and identifying opportunities, collecting data, and convening an advisory committee to guide the City's and/or County's initiative. These steps are crucial in securing funding support to build sidewalks, bike lanes, and to increase traffic safety near schools.

Feedback received from the focus group indicated that improving connections between neighborhoods, Crane Creek Gym, and Forest Heights Elementary School were a priority for participants. Inadequate sidewalks and lighting were cited as barriers to encouraging walking and bicycling to and from school.

While SRTS programs encourage walking and bicycling through education and activities, a large component of the program includes evaluation. The insight gained from data collection can help to guide the planning process, provide information on how the program is working, show areas that need

improvements, and ensure all students and families are given equal opportunities to participate. Evaluation is often required for applicants and recipients of the SRTS funds. Furthermore, evaluation results can support other funding opportunities to enhance and maintain pedestrian and bicycle infrastructure.

It is recommended that Forest Heights Elementary School works with the City of Columbia, the Richland County School District, teachers, parents and students, and neighbors to promote and encourage walking and bicycling as a way to help fund sidewalk and infrastructure improvements in Crane Creek.

The following are some data collection methods that can be used to assess the status of walkers and bicyclists as well as the pedestrian infrastructure in the area:

Semi-Annual Student Hand Tallies: Students are asked how they got to and from school over a 2-3 day period. Students raise their hand when the mode they took is called out, and the teacher or a volunteer records this. Hand tallies are generally required of state and federal SRTS grant recipients.

Bicycle and Pedestrian Traffic Counts: Automatic counters or manual counts provide an estimate of walking and/or bicycling activity. Counts can track change over time and indicate program effectiveness or need. Manual counts can be more expensive, but can also collect information about gender, age, bike helmet use, and turning movements.

Parents Surveys: Parents are asked how their children got to/from school via a paper or online survey. Parent surveys also ask questions about the barriers to walking or biking to/from school, health information, or perception of crime and other social behaviors.

Walk Audits & Mobility Workshops: Walk Audit and Mobility Workshops involve the gathering of data about environmental conditions that affect walking and bicycling. Parents, teachers, and school staff can lead these audits, and they can also be easily integrated into a geography or civics course, in which students map existing conditions and help recommend improvements.

Resources:

Program Resources:

National Center for
Safe Routes to School:

[Data Collection Guidelines](#)

[Student Travel Tally](#)

[Parent Survey](#)

[Walking and Bicycling Audits](#)

Safe Routes to School

South Carolina:

[Statewide Resources](#)

Southern California Association of
Governments:

[Bike Count Data Clearinghouse](#)

NORTH MAIN RECOMMENDED PROGRAMS

PEDESTRIAN MEDIA CAMPAIGN

Pedestrian campaigns can promote a variety of messages to improve the behaviors of all road users. A high-profile marketing campaign can highlight active living, promoting new and future sidewalk infrastructure and improvements, encouraging support for investments in sidewalks, and can encourage mutual respect and improve safety for pedestrians and drivers. Pedestrian safety as it relates to traffic concerns was cited as a major barrier to walking. The findings pointed to the need to slow traffic and increase visibility of pedestrians. While a campaign will not directly effect the needed infrastructure improvements slow traffic, a campaign can influence how drivers perceive and interact with pedestrians. By promoting walking and encouraging drivers to recognize and respect pedestrians, North Main could increase the number of walkers on neighborhood streets. By increasing the number of users on the street, the perceptions of crime could be reduced.

Campaign goals that support walking could include the following:

- Raise the general awareness of pedestrians
- Encourage better etiquette among drivers and/or pedestrians
- Encourage pedestrians to “be seen” through bright colored clothes, lights, etc.
- Promote walking as a benefit to personal health, the environment, or as a way to save money
- Target specific demographics or groups such as children, older adults, men, women, or specific ethnic groups

A well-produced campaign will be memorable and effective and include clean, clear graphics in a variety of media. Effective campaigns are those that use positive, reinforce messaging and graphics, as opposed to shaming or frightening any type of road user. Campaigns can utilize a variety of media outlets, including billboards; print advertising; transit vehicles, stations, or shelters; informational brochures or handbills; web ads and social media; and branded promotional items.

Before launching a campaign, it is recommended that the City, with the guidance of North Main neighborhoods, develop a set of campaign goals that identify the problem behavior(s), desired outcomes, and the target audience. This will inform the campaign messaging and imagery. A stakeholder or focus group should be convened with individuals familiar with the community to ensure that the campaign messages and graphics will resonate with the target audience. The audience will also determine what types of media are utilized, but it is recommended that a variety of outlets be used to ensure coverage, reach, and repetition.

Resources:

Program Examples:

NYCDOT:

[LOOK Campaign](#)

North Carolina:

[Watch for Me NC](#)

City of Pasadena, California:

[Safe School Zones](#)

LAW ENFORCEMENT COLLABORATION

Proper enforcement comes from a strong, communicative relationship between transportation staff and local law enforcement. To contribute to a collaborative partnerships between the City, North Main residents, and local law enforcement, a representative of the Police Department should be invited to attend monthly neighborhood meetings and/or the City's Bike Pedestrian Advisory Committee to serve as the liaison between the CPD and transportation professionals and advocates. During these meetings, the Police Department can learn more about the unsafe behaviors of all road users and evaluate the best methods of enforcement. The Police Department will also have the opportunity to evaluate how new pedestrian and bicycle infrastructure might affect road user behavior and help predict public education needs.

The Police Department should seek their own funding to do targeted enforcement of illegal, unsafe behavior of motorists and pedestrians. Law enforcement officers could focus on behaviors known to be the most dangerous, such as not yielding to pedestrians or following posted speed limits.

SAFE ROUTES TO SCHOOL

As discussed in the Crane Creek Recommended Programs section on the previous pages, SRTS programs use a "5 Es" approach to develop strategies to improve safety and encourage children to walk and bicycle to school (see page 109 for detailed discussion).

The City should develop and implement a North Main SRTS initiative to help schools start programs or sustain and enhance existing efforts. This involves assessing needs and identifying opportunities, collecting data, and convening an advisory committee to guide the City's initiative.

SRTS programs provide the opportunity to educate and encourage both parents and students about active transportation, health, and safety through custom materials and events. Outreach events and programs that educate and support bicycle and pedestrian facilities include:

- Walk/Bike to school day
- Bike/Walk Safety Education class
- Bike to school challenge
- Walking school buses
- Speed and crosswalk enforcement near schools
- Educational materials for parents

Feedback received from the focus groups indicated that participants had several traffic related concerns. One of which was the need to reduce congestion around Hyatt Park Elementary. Safe Routes to Schools programs directly benefit schoolchildren, parents and teachers by creating a safer travel environment near schools and by reducing motor vehicle congestion at school drop-off and pick-up zones. Students that choose to bike or walk to

school are rewarded with the health benefits of a more active lifestyle, with the responsibility and independence that comes from being in charge of the way they travel, and learn at an early age that biking and walking can be safe, enjoyable and good for the environment.

The following are potential programs that can be used to help reduce congestion near schools:

Walking School Bus: Walking School Buses let students walk to school as a group, often with an adult volunteer. They may be daily, weekly, or monthly events. They can originate in specific neighborhoods, local parks, at places of worship, or another central location for children and parents to meet.

Golden Sneaker Competition: classrooms keep track of how many students get to school by walking, biking, taking the bus, or carpooling. Classrooms with the highest level of participation receive a Golden Sneaker trophy.

Suggested Routes to School Maps: Suggested route maps show existing sidewalks, trails, bikeways, crossing guards, and traffic control to help parents find the best walking and biking routes to school.

Early/Late Dismissal Policies: Early dismissal for walkers and bikers can serve as an incentive for more participation, while at the same time increasing safety by reducing or eliminating the interaction between pedestrians and bikers with carpool lines and buses. Conversely, late dismissal policies for walkers and bikers discourage active transport modes and should thus be reviewed and revised where possible.

It is recommended that Hyatt Park Elementary work with the City of Columbia, the Richland County School District, teachers, parents and students, and neighbors to promote and encourage walking and bicycling as a way to reduce congestion, encourage healthy behaviors, and to help fund sidewalk and infrastructure improvements in North Main.

Resources:

Program Resources:

[National Center for Safe Routes to School](#)
[Safe Routes to School South Carolina](#)
[South Carolina Walk to School Day](#)

Santa Clarita, California:

[SRTS Walking School Bus Training Guide](#)

Michigan State SRTS Program:

[Walking School Bus Volunteer Resources and Route Development Resources](#)

SRTS Alameda County:

[Golden Sneaker Contest Resources](#)

Washington State SRTS Program:

[Planning and Improving Walking and Biking to School Guide](#)

Davis, California:

[Safe Routes to School Maps](#)

Langston Hughes Elementary,

Lawrence, Kansas:

[Safe Passage Policy](#)

IMPROVING THE STREETScape

Focus group participants cited several barriers to walking. One barrier is the perception of crime and a general need to improve the aesthetics of the neighborhood streetscape. While the following recommendations do not directly reduce crime, they do improve the street conditions which has the potential to encourage pedestrian usage. By having more residents using the street, North Main can foster a community that looks out for each other.

Right-of-Way Gardens: Public right-of-way includes road shoulders, ditches, and spaces between sidewalks and the road. These often underused spaces are ideal for creating a source of food and pride for a community. By allowing adjacent property owner to use this space, the City could further enhance the streetscape, promote public health, bolster the already existing community garden program, and provide healthy food options to residents.

Neighborhood Little Free Libraries: Little free libraries are a fun way for residents to engage with each other. A owner creates a little library on their property close to the sidewalk. The property owner, with the help of neighbors, fills the library with free books. Columbia has 20 mini libraries throughout the community. Mini libraries could be adopted by local law-enforcement, health organizations, and city agencies to help promote community while also providing books and information on being safe and healthy.

Program Resources:

Little Free Library: Plans and tips for library builders

Resource:

Program Resource:

Little Free Library:

[Plans and Tips for Library Builders](#)

Resource:

Policy Example:

Portland, Oregon:

[Public Right-of-Way Planter Box Policy](#)

Neighborhood Walking Tours: self-guided or public tours are a great way to engage with residents and visitors. Walking tours can be themed, with a focus on historic homes or points of interest, community gardens, parks, public art and murals, green infrastructure, or a combination of interests. Historic Columbia offers several examples of online maps that highlight historic points of interest. Historic Columbia and North Main Community Association should provide guidance on historical and cultural information to be included in neighborhood walking maps. The City and North Main should work with local historians, professors, architects, or interested individuals to help lead walking tours and to inventory cultural and historic resources in the neighborhood and identify safe and enjoyable walking routes that connect to historic points of interest.

For self-guided tours, a map of points of interest, walking distances, facilities (restrooms, drinking water, safe crossing areas), and historical facts should be provided online and as a printed copy to be distributed by the City's visitors bureau and the residents and business of North Main. Printed maps and guides should be actively distributed to residents and visitors. The information should be updated on a regular basis as new pedestrian facilities are implemented (every three years or less).

Resources:

Program Resource:

Historic Columbia, South Carolina:

[Neighborhood Walking Maps](#)

City or Wilsonville, OR:

[Wilsonville Neighborhood Walking Maps](#)

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12

Next Steps

Now that priority programs and projects have been identified, what are our next steps?

The implementation of the Walkable 29203 Pedestrian Master Plan recommendations will require a comprehensive approach that includes multiple sources of funding, partnerships, design, construction, and management. It will also require the dedication of City and County staff and a commitment to the vision established by the advisory group and this plan.

As best practices for pedestrian facility design is a rapidly-evolving field, the recommendations in this plan should be re-evaluated at least every five years to ensure that these still constitute best-practices and still reflect Crane Creek and North Main's long-term vision for an active, walkable community.

Achieving the vision that is defined within this plan requires a stable and recurring source of funding. Communities across the country that have successfully implemented pedestrian programs have relied on multiple funding sources to achieve their goals. No single source of funding will meet the recommendations identified in this plan. Stakeholders will need to work cooperatively across a range of private sector, municipality, state, and federal partners to generate funds sufficient to implement this network.

The resources provided herein – the pedestrian safety analysis, the access to healthy foods assessment, program and infrastructure recommendations, coupled with

the following appendices resources – can serve as a daily reference material for the 29203 community and its implementing partners.

The 29203 community should strive to follow the priority recommendations, as each program, project, and policy was selected based on public input, need, and potential impact. However, City and County officials should also look for opportunities to coordinate pedestrian enhancements with regularly-programmed maintenance activities, new developments, and large roadway construction projects, regardless of whether enhancements occur on priority corridors or intersections.

The following steps provide direction to ensure the Walkable 29203 Pedestrian Master Plan serves as a valuable and accessible resource for the community.

SHARE THE PLAN

1

Continue to share the Plan with Crane Creek and North Main residents and affiliated groups and organizations. Spread the word about proposed improvements and program opportunities that directly respond to residents' concerns and ideas for improving their community.

IDENTIFY CHAMPIONS

2

Sharing the plan with community members also presents an opportunity to identify and foster community champions who can help to implement the Plan's priorities. Let residents, neighborhood groups, civic groups, and community organizations know what the City and County are prioritizing for 29203 and ask for funders and volunteers interested in making it happen.

PRIORITIZE FUNDING FOR INFRASTRUCTURE PROJECTS

3

Continue the Plan's momentum by sharing project priorities directly with the region's funding partners. This includes Central Midlands Council of Governments (by way of Guideshare funding), Richland County Penny Sales Tax Commission, SCDOT, City and County Councils, and private sector partners. Additionally, capitalize on this plan itself to garner regional, state, and federal funding, including health-oriented funding opportunities, as outlined in the Plan appendices.

IMPLEMENT BEST PRACTICES

4

Let funding and implementation partners know that when it comes to the pedestrian environment, design matters. Leverage the 2015 Walk Bike Columbia plan, which offers a comprehensive guide to best practices in pedestrian and bicycle facility design, by using it as a reference for the development of each improvement project. Work to ensure that as recommended projects of Walkable 29203 are implemented, the safety and comfort of residents walking is the primary goal maintained from concept to design to construction.

DEVELOP AND IMPLEMENT ONE PROGRAM AT A TIME

5

Programs have a big impact on walkability and are easy to accomplish without a major investment. A variety of community partners can assist by funding efforts or volunteering their time. Match identified “Champions” directly with a program concept that fits their skill set, personal priorities, or time commitment. Set a clear timeline for implementing each program within eighteen months of adopting this Plan.

CONTINUE TO COLLABORATE

6

A team effort is required to move the plan forward. The County and City have forged a strong working relationship through this project and other cross-jurisdictional efforts. Continue this collaboration and information-sharing to ensure an efficient use of time and resources for both entities. Capitalize on the technical expertise and network offered by the project advisory group and continue to engage these partners with quarterly meetings to track progress, while continuing to set new goals and targets.



APPENDIX

CHAPTER 13 Pedestrian Facility Types

CHAPTER 14 Focus Group Reports, Survey Reports, Equity Maps

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13

Pedestrian Facility Types



Walkable 29203 recommends the pedestrian improvement types described in this section. Further guidance regarding best practices in pedestrian design is included in the attached pedestrian portion of the City of Columbia Pedestrian & Bicycle Design Guidelines.



PEDESTRIAN FACILITY TYPES

SIDEWALKS

Sidewalks are the most fundamental element of the walking network, as they provide an area for pedestrian travel that is separated from vehicle traffic. Sidewalks are typically constructed out of concrete and are separated from the roadway by a curb or gutter and sometimes a landscaped planting strip area. Sidewalks are a common application in both urban and suburban environments. Attributes of well-designed sidewalks include the following:

- **Accessibility:** A network of sidewalks should be accessible to all users.
- **Adequate width:** Two people should be able to walk side-by-side and pass a third comfortably.
- **Safety:** Design features of the sidewalk should allow pedestrians to have a sense of security and predictability. Sidewalk users should not feel they are at risk due to the presence of adjacent traffic.
- **Continuity:** Walking routes should be obvious and should not require pedestrians to travel out of their way unnecessarily.
- **Landscaping:** Plantings and street trees should contribute to the overall psychological and visual comfort of sidewalk users, and be designed in a manner that contributes to the safety of people.
- **Drainage:** Sidewalks should be well graded to minimize standing water.



- **Social space:** There should be places for standing, visiting, and sitting. The sidewalk area should be a place where adults and children can safely participate in public life.
- **Quality of place:** Sidewalks should contribute to the character of neighborhoods and business districts.

GREENWAYS

Greenways allow for two-way, off-street pedestrian use and also may be used by bicyclists, skaters, wheelchair users, joggers and other non-motorized users. These facilities are frequently found in parks, along rivers, beaches, and in greenbelts or utility corridors where there are few conflicts with motorized vehicles. Path facilities can also include amenities such as lighting, signage, and fencing (where appropriate). Key features of greenways include:

- Frequent access points from the local road network
- Directional signs to direct users to and from the path
- A limited number of at-grade crossings with streets or driveways
- **Terminating the path** where it is easily accessible to and from the street system
- **Separate treads** for pedestrians and bicyclists when heavy use is expected



PEDESTRIAN CONNECTORS

Pedestrian connectors provide residential areas with direct pedestrian access to parks, trails, greenspaces, and other recreational areas. They most often serve as small path connections to and from the larger pedestrian network, typically having their own rights-of-way and easements.

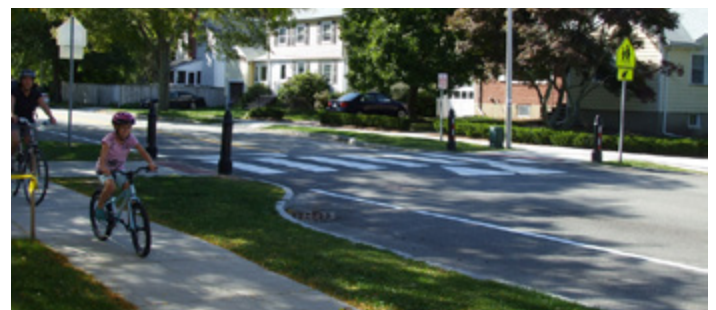
Additionally, these smaller paths can be used to provide pedestrian connections between dead-end streets, cul-de-sacs, and access to nearby destinations not provided by the street network. Qualities of well-designed pedestrian path connectors include:

- Pedestrian connectors should remain open to the public.
- Path pavement shall be at least 8' wide to accommodate emergency and maintenance vehicles, meet ADA requirements and be considered suitable for multi-use.
- Path widths should be designed to be less than 8' wide only when necessary to protect large mature native trees over 18" in caliper, wetlands or other ecologically sensitive areas.
- Paths should slightly meander whenever possible.



INTERSECTION IMPROVEMENTS

Intersection (spot) improvements refer to a variety of intersection treatments that can be applied to make a safer and more comfortable crossing environment for pedestrians. As seen in the examples below, push button signals, reduced curb radii, raised crosswalks, and refuge islands can help guide pedestrians to safe crossings, and help motorists predict where pedestrians will be.



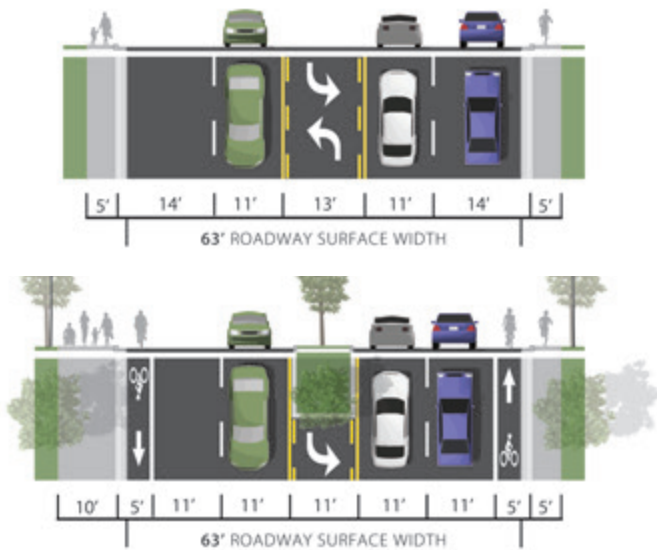
ROAD DIET & STREETSCAPING

Road diets, also referred to as road right-sizing, lane reconfiguration, rebalancing, or pavement reallocation projects, typically entail reducing the number and/or width of vehicular travel lanes to make room for pedestrians and bicyclists. This "diet" improves the safety of all road users by reducing conflict points, controlling access management, reducing crossing distances for pedestrians, and improving sight line distances. In some cases, road diets have the added benefit of providing

on-street parking which buffers pedestrians further from the road, stimulating economic development opportunities, and, when paired with streetscaping, beautifying a corridor.

Streetscaping can be used to improve the pedestrian experience through the addition of buffer strips of landscaping between the sidewalk and street, shade trees, and pedestrian refuge islands.

EXAMPLE CROSS SECTION

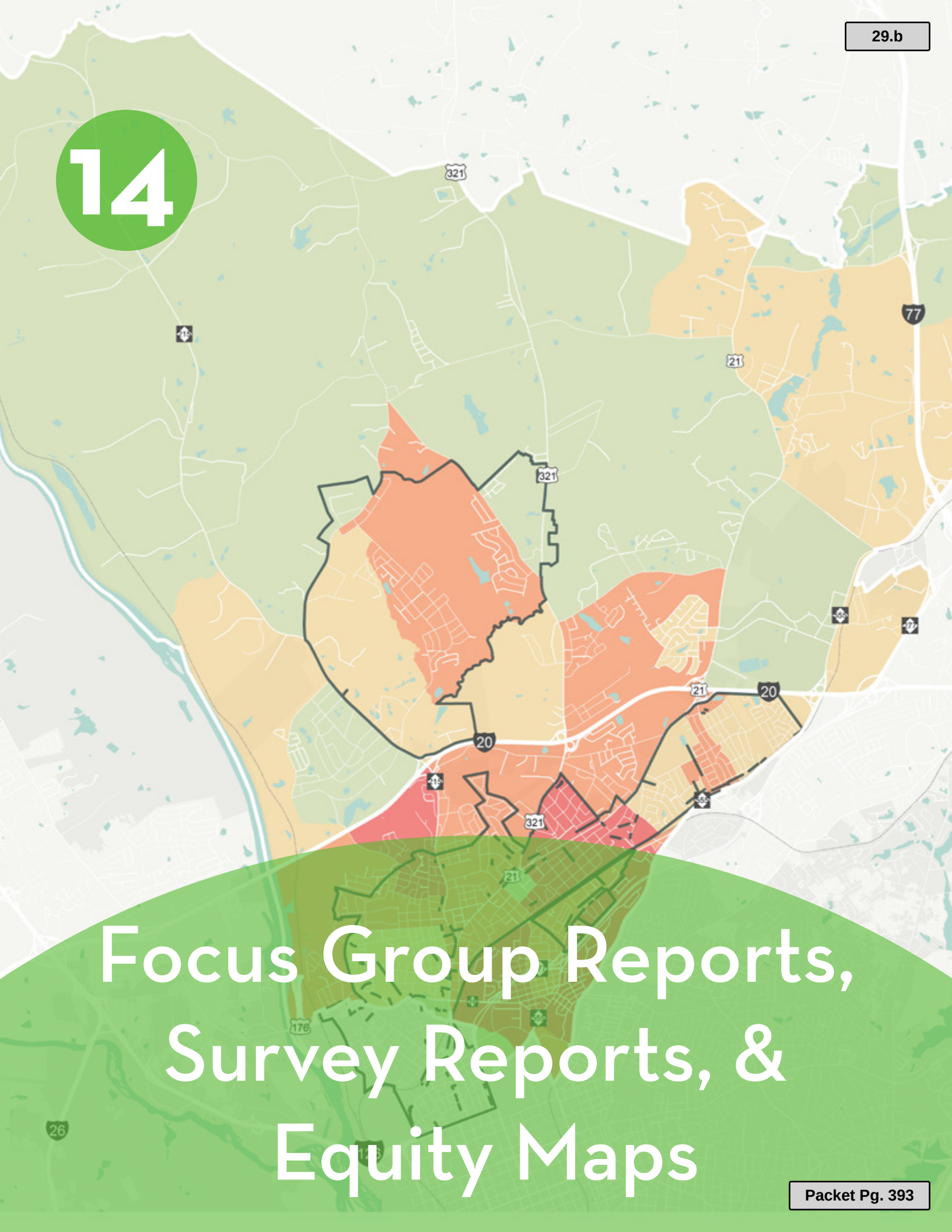


EXAMPLE BEFORE & AFTER



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14



Focus Group Reports, Survey Reports, & Equity Maps



Crane Creek 29203 Focus Groups Report

Prepared for:

Alta Planning + Design

Prepared by:

Gather Consulting

Submitted April 19, 2016

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OVERVIEW

Background and Objectives

- Alta Planning + Design contracted with Gather Consulting to conduct a focus group with neighborhood leaders of the Crane Creek Planning Area in Richland County.
- Specific objectives of the focus groups were to do the following:
 - Identify where residents are currently walking,
 - Determine where residents want to walk but cannot because of poor accessibility,
 - Seek residents' input on pedestrian accessibility to grocery stores and other fresh food outlets,
 - Explore residents' perceptions of pedestrian safety issues,
 - Seek input from residents on priority pedestrian planning projects and destinations.

Methodology

The focus group was conducted on Tuesday March 22 at 5 p.m. at the county's Meadowlake Park recreation center at 524 Beckman Road. Six community members participated in the group. Participants represented five of the seven major existing neighborhoods that make up the Crane Creek community: Bookert Heights, Crane Forest, Pine Forest, Haskell Heights, and Lincolnshire.

Focus group participants were chosen to prioritize the following criteria:

- Residents of the area,
- Stakeholders with a vested interest in improving access to active living and healthy eating,
- A diverse mix of residents who represent the area's demographics.

Limitations: The focus group methodology used for this study is qualitative in nature. The exact wording of each question and the discussion of each question area varied across groups. Also, the limited number of respondents involved in this type of research means the study should be regarded as exploratory in nature. Results should be used to develop directions rather than quantitatively precise or absolute measures.

KEY FINDINGS

Assets

Focus group participants named the following assets that should be leveraged as part of pedestrian planning:

- Crane Creek Gymnasium – The new, modern facility is popular among residents and many people use it. However, few people walk to the gym due to lack of sidewalks, poor lighting, and loose dogs. The gym is also popular with residents of adjacent neighborhoods like Hollywood Hills and Sharp Terrace. Many teenagers from those neighborhoods walk along Sharp Road, Highway 321, and Crane Church Road to get to the gym,
- Crane Creek Park – The park and surrounding nature trail is popular and used frequently by walkers and joggers. However, focus group members said many in the community have never visited the park and they would like to see more done to advertise the park and generate interest in accessing it,
- Crane Creek Community Garden – Focus group members said they were excited about the fact that there is a community garden in Crane Creek Park. They said that many people in the community are interested in eating healthy and growing their own food. However, they said the garden is under-utilized and lacks adequate programming to engage residents.

Barriers to Walking

Focus group participants said poor lighting, lack of sidewalks, loose dogs, and speeding drivers are the biggest barriers to walking in the Crane Creek community. They identified specific improvements that they would like to see at the following locations.

Crane Church Road:

- Needs lighting all along the road,
- Needs improved traffic light and safer crossing near the old Crane Creek School,
- Needs improved intersection design at Fairfield Road. Currently there is a bad 45 degree turn with low visibility for drivers and pedestrians.)

Lincoln Parkway off of Fairfield Road

- Needs improved lighting along entire thoroughfare,
- Needs sidewalks and lighting near Crane Church Road.

Fairfield Road/US-321-

- Needs sidewalks leading to Crane Creek Gym,

- Needs intersection redesign at corner of Crane Church.

Sharpe Road

- Needs lighting and sidewalks.

Priority Improvements

Focus group participants identified the following high priority projects, streets, neighborhoods, or destinations for improved pedestrian access?

- Connectivity between neighborhoods – Focus group participants said they want to see improved connectivity between the seven neighborhoods that make up the area. They said they want to see a plan to use sidewalks and trails to connect the entire area so that it is easier for residents to walk to and from the various neighborhoods as well as to Forest Heights Elementary School and Crane Creek Gym.
- Forest Heights Elementary School – The school, which serves as the polling station for residents in the community, is centrally located and in walking distance to many homes in the area. Focus groups participants said they want to see efforts to add adequate sidewalks and lighting near the school so that more children are able to walk to it.
- Crane Creek Gymnasium and Crane Creek Park – Focus group residents said the area has greatly benefited from the addition of the county gym and expansion of the park, but they hope more can be done to improve walkability to both. They also want to see more programming at the park to build excitement about the resources that are available. They want organized community picnics or concerts and a better process for getting residents involved in the community garden.
- Bus Stops – Focus group participants said many people in the community use the bus to get to work and to the grocery store because there are no fresh food outlets within walking distance to the area. Improving pedestrian access near bus stops should be a high priority, they said.
- Code enforcement – Although crime rates are dropping in the area, focus group participants said they worry that gang violence is a problem in other parts of the county. They said abandoned homes on streets such as Calvary Drive and Lincolnshire Boulevard add to their unease. They said improved efforts to enforce county codes and reduce blight would improve the sense of safety in the community and encourage walkability.

APPENDIX A

At the end of each focus group session, participants were asked to share one word that described how they felt about the issues discussed during the meeting. Participants used the following words to describe their feelings:

- Interesting
- Hope
- Encouraged
- Excited
- Hopeful
- Optimistic

APPENDIX B

Direct quotes from focus group participants:

- “I see something moving. I see change. And I’m excited.”
- “The 29203 area is one of the highest diabetes areas in the whole county.”
- “Just having the ability to walk in your community and feel safe is going to make the biggest difference when it comes to whether people walk or not. Not having a sidewalk impacts that greatly.”
- “Everyday we have groups of kids walking to the gym down the middle of the road. It is imperative that we get sidewalks out there (Fairfield Road.) And start saving lives.”

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North Main 29203 Focus Groups Report

Prepared for:

Alta Planning + Design

Prepared by:

Gather Consulting

Submitted April 19, 2016

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OVERVIEW

Background and Objectives

- Alta Planning + Design contracted with Gather Consulting to conduct two focus groups with neighborhood leaders of the North Main Planning Area in the City of Columbia.
- Specific objectives of the focus groups were to do the following:
 - Identify where residents are currently walking,
 - Determine where residents want to walk but cannot because of poor accessibility,
 - Seek residents' input on pedestrian accessibility to grocery stores and other fresh food outlets,
 - Explore residents' perceptions of pedestrian safety issues,
 - Seek input from residents on priority pedestrian planning projects and destinations.

Methodology

The focus groups were conducted on Wednesday March 23 at 1 p.m. and 5 p.m. at the city's Eau Claire Print Building at 3907 Ensor Ave. Eighteen community members participated.

Focus group participants were chosen to prioritize the following criteria:

- Residents of the area,
- Stakeholders with a vested interest in improving access to active living and healthy eating,
- A diverse mix of residents who represent the area's demographics.

Limitations: The focus group methodology used for this study is qualitative in nature. The exact wording of each question and the discussion of each question area varied across groups. Also, the limited number of respondents involved in this type of research means the study should be regarded as exploratory in nature. Results should be used to develop directions rather than quantitatively precise or absolute measures.

KEY FINDINGS

Popular Walking Areas

Focus group participants said many people are already walking on the following streets or in the following areas:

- N. Main Street
- Monticello Road
- River Drive
- Fairfield Rd/U.S. 321
- Duke Avenue
- The College Place neighborhood
- Earlewood Park
- Meadowlake Park (In the county)
- Northwood Street (There is a lot of walking traffic to the bus stop.)
- Park Street – (There is a lot of walking traffic to the bus stop.)

Major Barriers to Walking

- Perception of Crime – Although crime rates in the area have dropped over the past few years, focus group members said there is a perception that the area is dangerous. They said unwarranted fears about safety are the biggest barriers to getting people to walk outdoors.
- Traffic Concerns – Participants said they would like to see infrastructure and design improvements to slow traffic and buffer pedestrians at the following streets and intersections.
 - Intersection of Abingdon Road & Duke Ave. Needs speed humps.
 - Intersection of Farrow Drive and Cushman Road. Add crosswalks and other safety measures to slow traffic and shield pedestrians.
 - Intersection of Colonial Drive & Lorick Ave. Needs traffic calming.
 - Intersection of Clement Road & River Drive. Needs traffic calming or traffic redirection. Cars cut through to get to nearby school.
 - Intersection of N. Main St. and Monticello Road. Needs landscaping and buffers.
 - Park Street & Elmwood Avenue. Needs traffic calming.
 - Intersection of N. Main Street and Avondale Drive. Dangerous intersection with low left turn visibility.
 - Bus stop near N. Main Street and Avondale Drive. No shelters. People stand close to the street creating a dangerous situation for both pedestrians and drivers.
 - Lorick Avenue & N. Main Street. High morning and afternoon traffic due to Hyatt Park Elementary. Needs traffic flow structures.

- Lighting Concerns – Focus groups participants said they hope the pedestrian plan includes recommendations for improved lighting near the following areas.
 - BI-LO parking lot
 - Richland Library N. Main Street branch
 - The entire stretch of Sunset Drive.
 - The stretch of Monticello Rd from I-20 to Main Street

Priority Improvements

Focus group participants identified priorities that fell into two distinct categories. Many said the pedestrian plan should leverage the revitalization that is already happening in the gentrifying NOMA planning area on the south end of the North Main Planning area. Others felt that priority should be placed on projects north of NOMA because they would have a greater impact on residents with the highest health and financial needs.

Each of the following priority projects or focus areas meet one or both of those objectives:

- Sidewalks – Focus group members said the biggest barrier to walking in the entire North Main area is lack of adequate sidewalks in areas where people need to walk such as around schools and near parks.
- Bus Stops – Focus group members said that many of their neighbors rely on the bus to get to work and to grocery stores. They said the pedestrian plan should include recommendations to slow traffic and shelter pedestrians at bus stops on the busiest roads.
- Sunset Drive – Participants said the thoroughfare which borders the southern edge of the Eau Claire neighborhood is narrow, dark at night, and feels dangerous. They said many people avoid crossing over the street into Eau Claire. Focus group participants said the street needs lighting, sidewalk upgrades, and aesthetic improvements.
- Bi-Lo Shopping Center – Many focus group participants spoke at length about difficulties related to walking to the Bi-Lo grocery store. They said better lighting and sidewalks near the shopping center would have a major impact on many residents.
- The Vista Greenway Rail-Trail – Focus group participants said the trail is creating a safe and accessible pedestrian conduit between the North Main area and downtown. Participants said they hope efforts are made to continue expanding the trail northward.

- Hyatt Park – The community garden program at Hyatt Park is extremely popular but access to the park could be improved. Focus group participants said that improving the conditions of sidewalks near Hyatt Park should be a priority.
- Riverwalk access– Many focus group members said they want to see efforts made to improve bike and pedestrian access to the Riverwalk via the Riverview Terrace neighborhood. They said it would help to make the North Main area more attractive to new residents and developers. (However, at least two residents of the Riverview Terrace neighborhood who attended the focus groups said they and their neighbors are opposed to making the neighborhood more pedestrian and bike friendly because they don't want to encourage people to walk through their neighborhood to get to the river.)

APPENDIX A

At the end of each focus group session, participants were asked to share one word that described how they felt about the issues discussed during the meeting. Participants used the following words to describe their feelings:

- Progress
- Connection
- Excitement
- Cost
- Optimistic
- Hopeful
- Feeling good
- Anticipation
- Success
- Cautiously optimistic
- Unity
- More public will

APPENDIX B

Direct quotes from focus group participants:

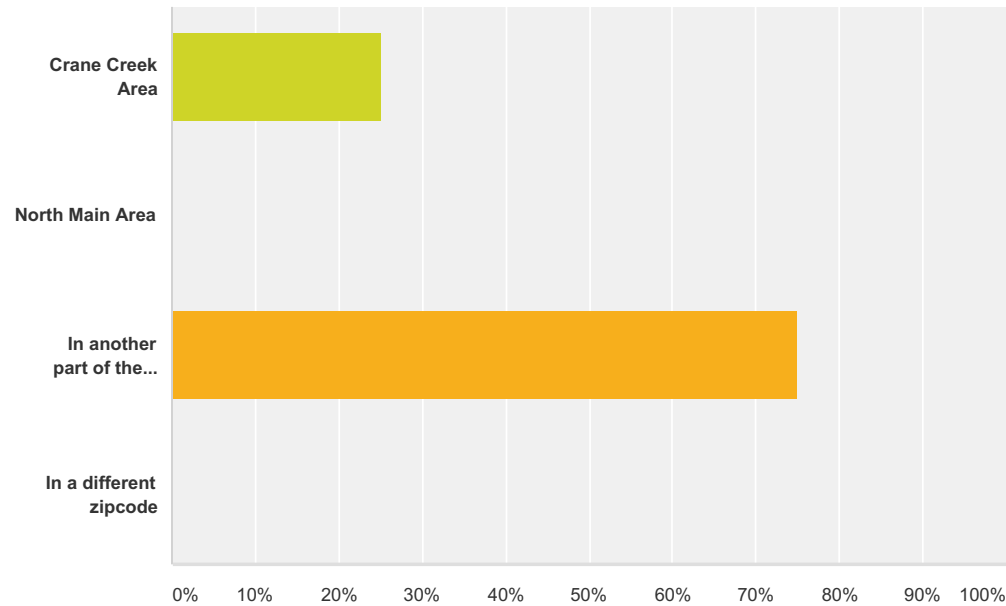
- “I am interested in seeing better connectivity.”
- “I can't imagine what kind of wonderful things y'all are planning.”
- “Access to the river is really important to me.”
- “I would love to get to the parks on foot.”
- “Rehab the sidewalks and...connect them to main thoroughfares.”
- “The sidewalks to nowhere drive me insane!”
- “I would like to see the perception of this area change.”
- “I want success for the most vulnerable parts of 29203.”

WALKABLE 29203 SURVEY REPORT

Walkable 29203: Pedestrian Master Plan Survey

Q1 Where do you live?

Answered: 4 Skipped: 0

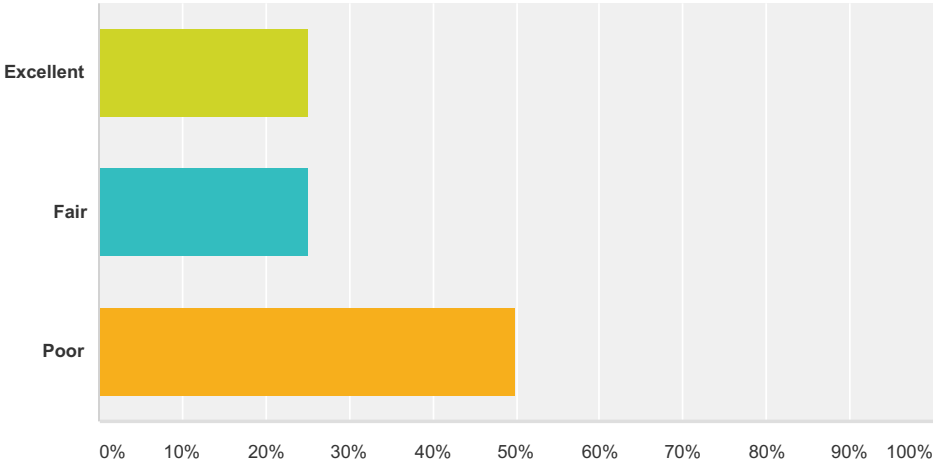


Answer Choices	Responses	
Crane Creek Area	25.00%	1
North Main Area	0.00%	0
In another part of the 29203 zipcode	75.00%	3
In a different zipcode	0.00%	0
Total		4

Walkable 29203: Pedestrian Master Plan Survey

Q2 How are the current walking conditions in your community?

Answered: 4 Skipped: 0

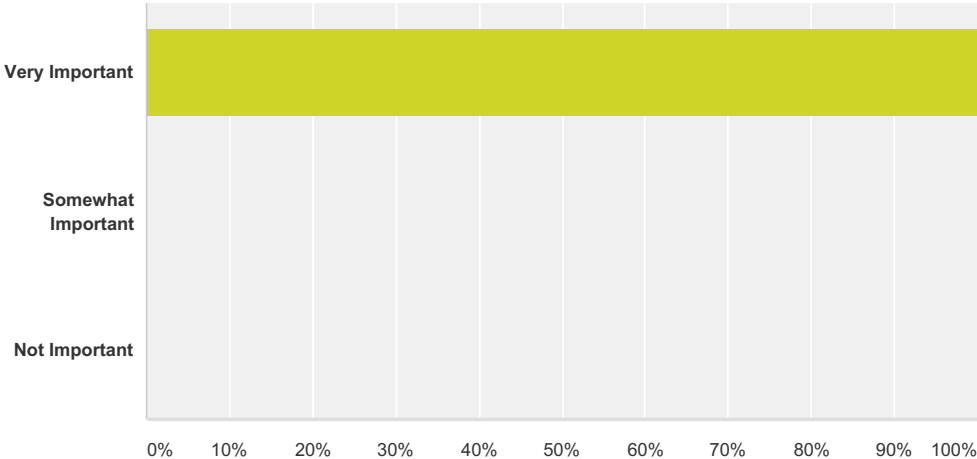


Answer Choices	Responses	
Excellent	25.00%	1
Fair	25.00%	1
Poor	50.00%	2
Total		4

Walkable 29203: Pedestrian Master Plan Survey

Q3 How important is it to you to make the walking conditions in your community better?

Answered: 4 Skipped: 0

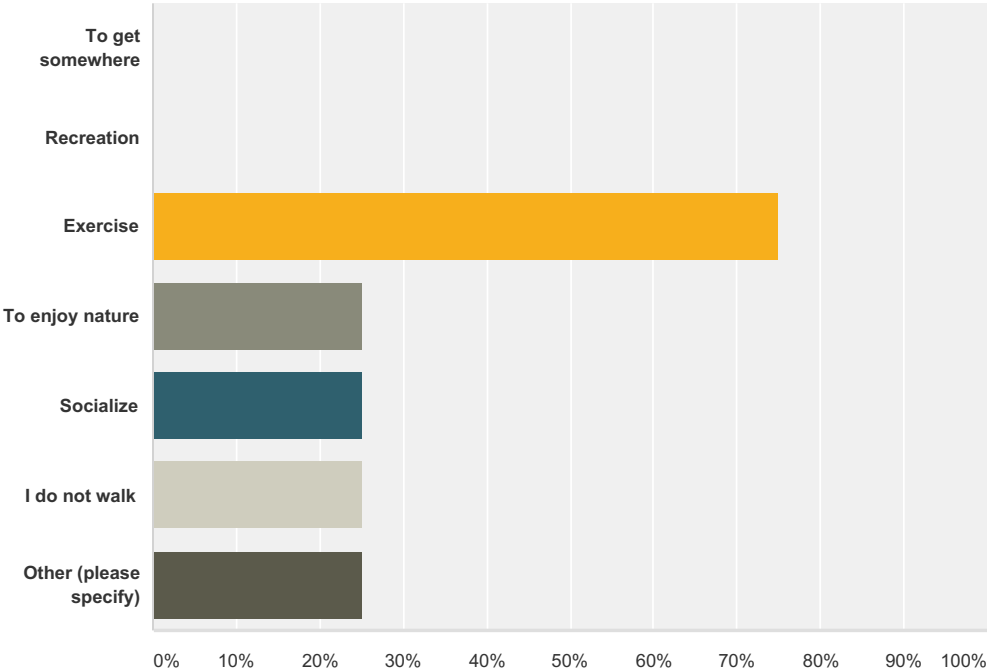


Answer Choices	Responses
Very Important	100.00% 4
Somewhat Important	0.00% 0
Not Important	0.00% 0
Total	4

Walkable 29203: Pedestrian Master Plan Survey

**Q4 Why do you walk in your community?
(check all that apply)**

Answered: 4 Skipped: 0

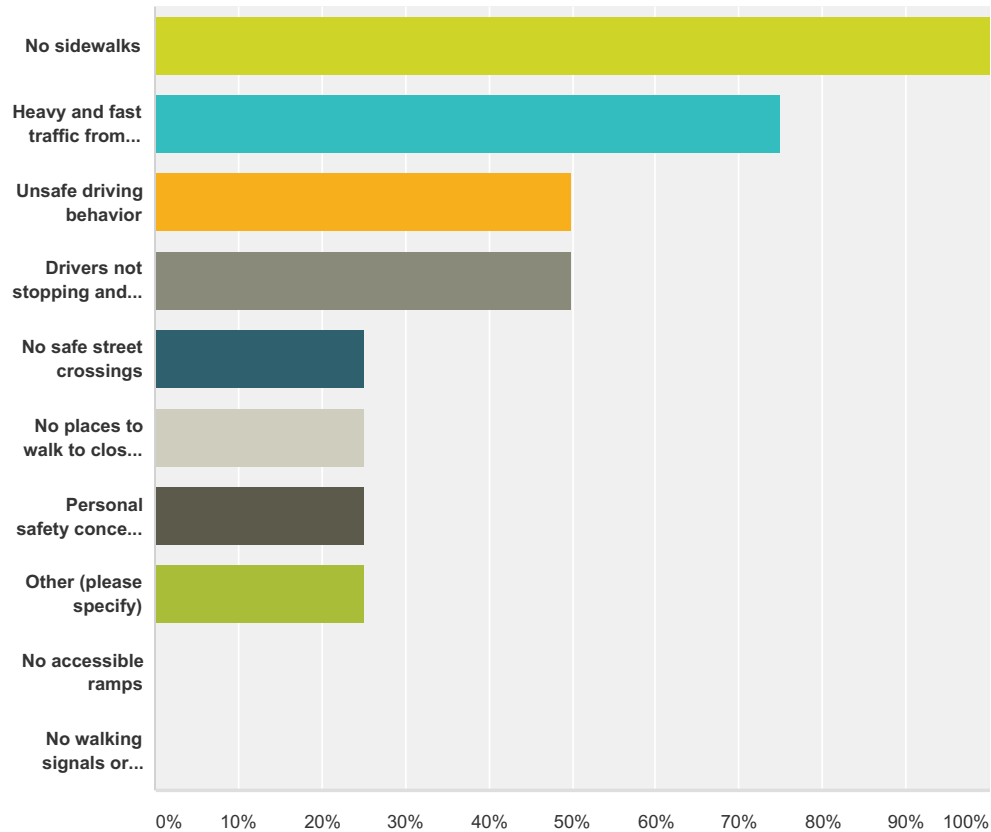


Answer Choices	Responses
To get somewhere	0.00% 0
Recreation	0.00% 0
Exercise	75.00% 3
To enjoy nature	25.00% 1
Socialize	25.00% 1
I do not walk	25.00% 1
Other (please specify)	25.00% 1
Total Respondents: 4	

Walkable 29203: Pedestrian Master Plan Survey

Q5 What do you think stops people from walking in your community? Please select up to 5 factors.

Answered: 4 Skipped: 0



Answer Choices	Responses
No sidewalks	100.00% 4
Heavy and fast traffic from cars	75.00% 3
Unsafe driving behavior	50.00% 2
Drivers not stopping and waiting for walkers	50.00% 2
No safe street crossings	25.00% 1
No places to walk to close by	25.00% 1
Personal safety concerns (other than traffic)	25.00% 1
Other (please specify)	25.00% 1
No accessible ramps	0.00% 0
No walking signals or crosswalks	0.00% 0
Total Respondents: 4	

Walkable 29203: Pedestrian Master Plan Survey

Q6 What are your favorite places or streets to walk? (Please note specific streets or destinations)

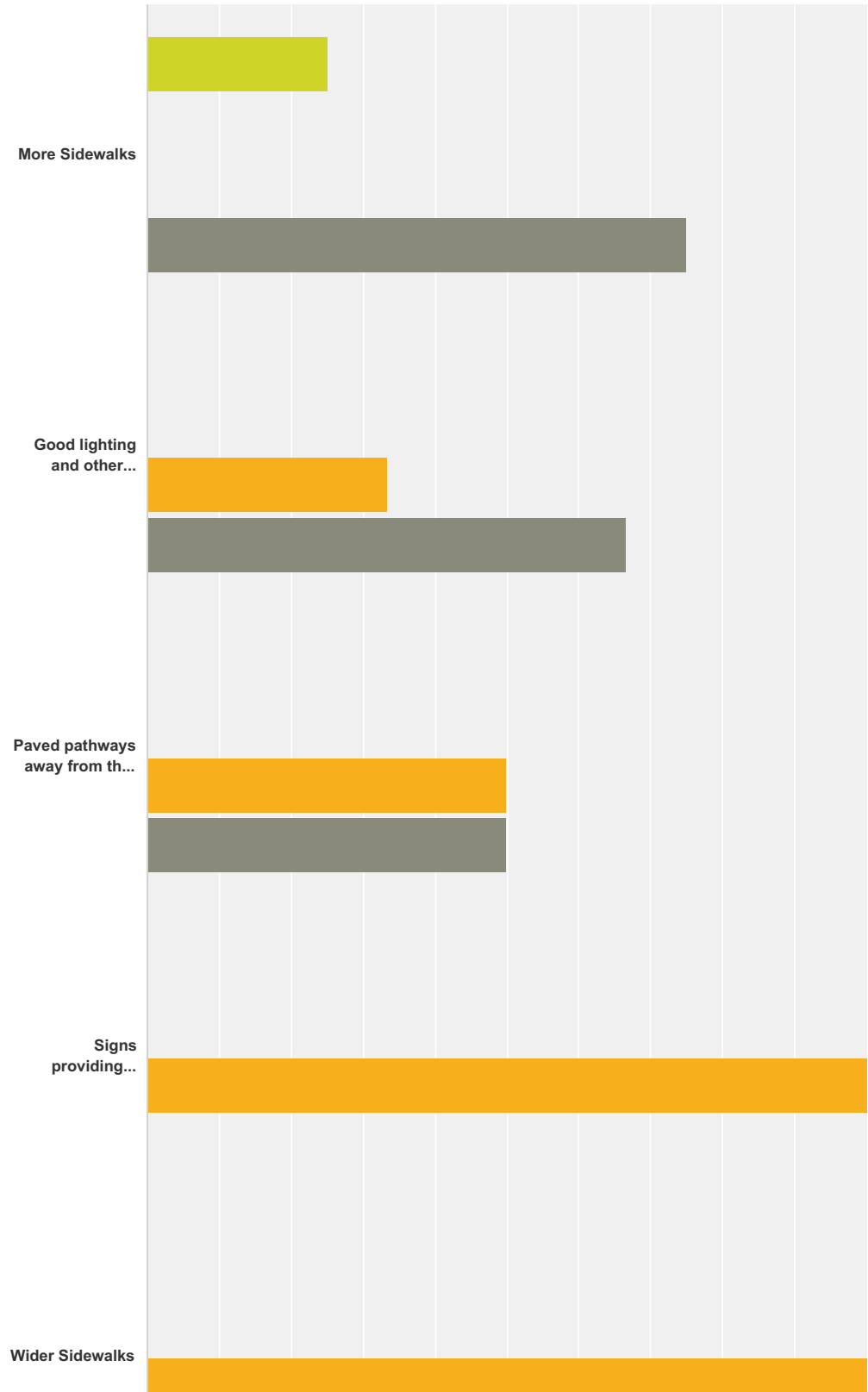
Answered: 3 Skipped: 1

Answer Choices	Responses
Location 1	100.00% 3
Location 2	33.33% 1

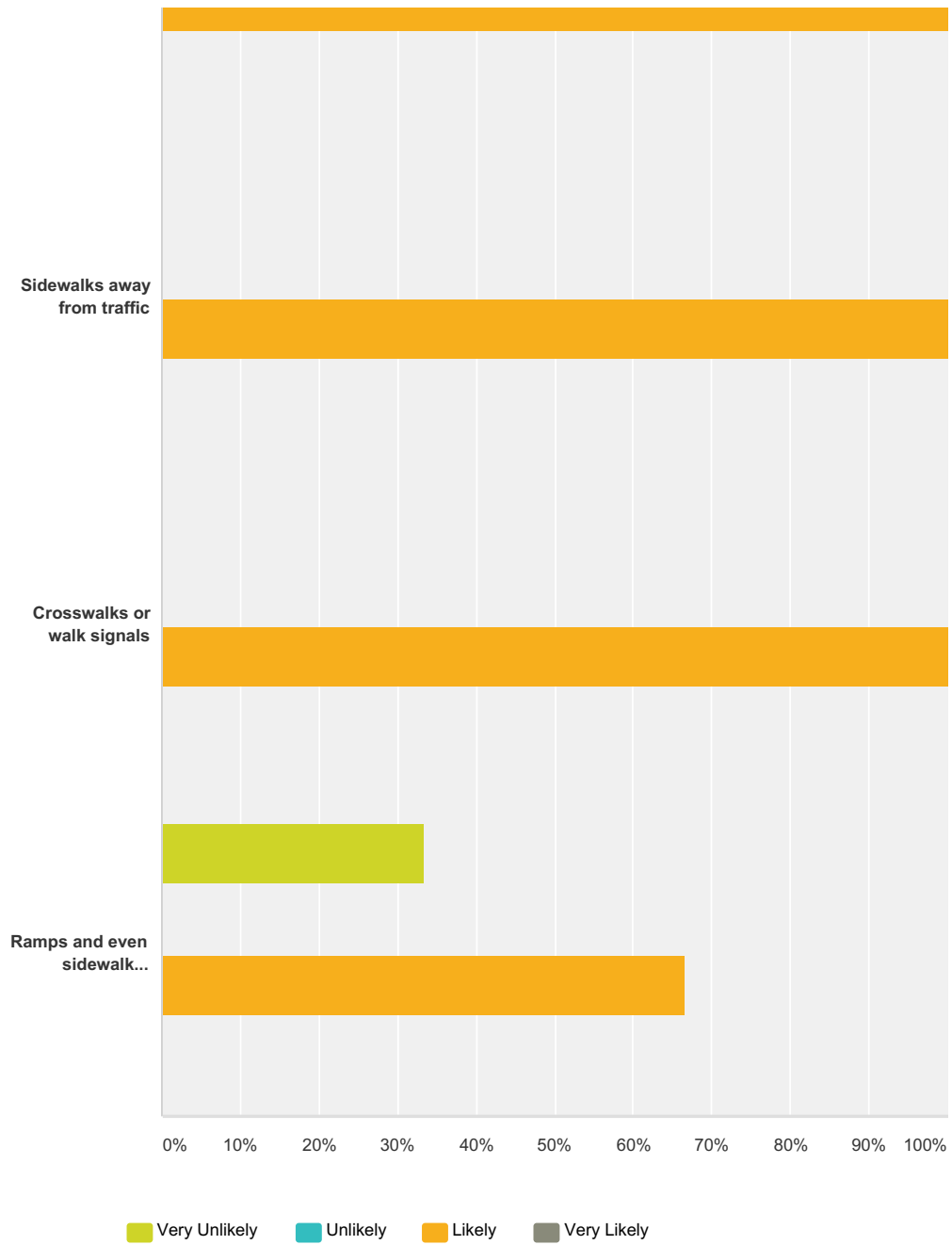
-
- ☐ I use Riverwalk
5/18/2016 3:15 PM [View respondent's answers](#) [Categorize as...](#) ▼
-
- ☐ **Crane Creek** Denny Road, Dorchester Street, bishop Avenue, Winchester Street
3/24/2016 9:17 PM [View respondent's answers](#) [Categorize as...](#) ▼
-
- ☐ **Crane Creek** Lincolnshire Blvd
3/19/2016 7:23 PM [View respondent's answers](#) [Categorize as...](#) ▼
-
- ☐ Saddlefield Rd
3/19/2016 7:23 PM [View respondent's answers](#) [Categorize as...](#) ▼
-

Q7 How likely would you be to walk if the following things were available?

Answered: 4 Skipped: 0



Walkable 29203: Pedestrian Master Plan Survey



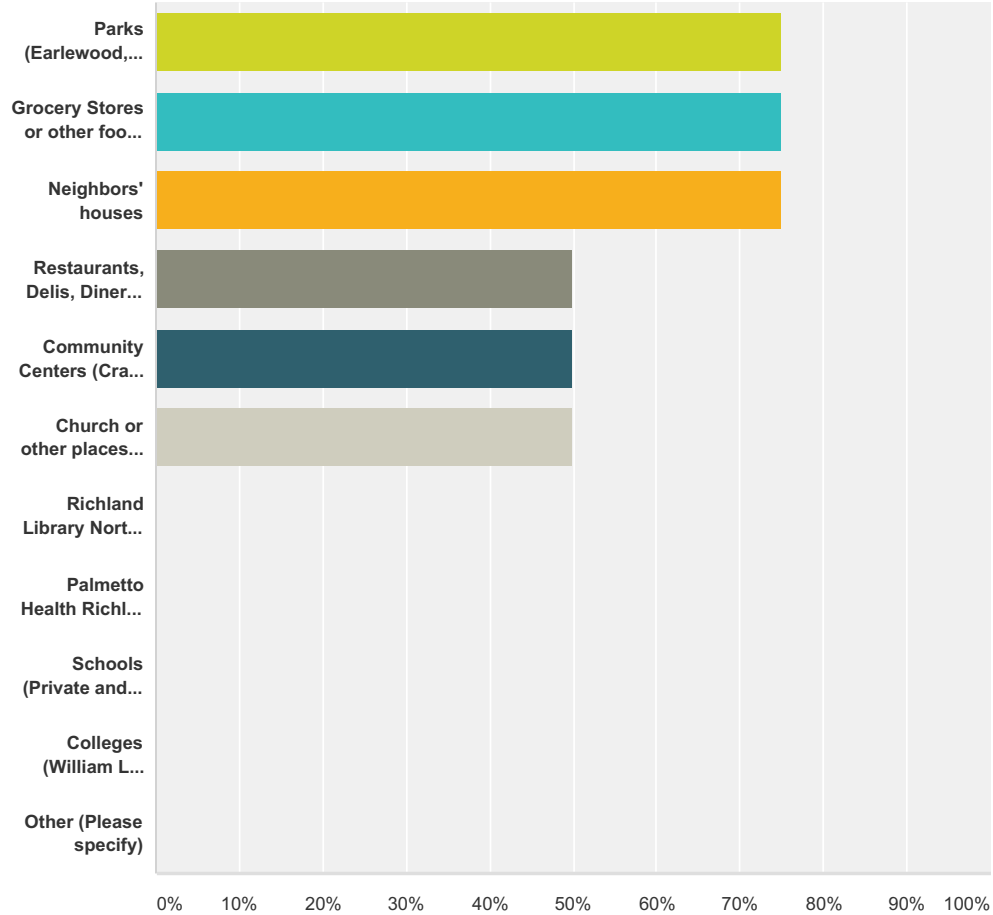
Walkable 29203: Pedestrian Master Plan Survey

	Very Unlikely	Unlikely	Likely	Very Likely	Total
More Sidewalks	25.00% 1	0.00% 0	0.00% 0	75.00% 3	4
Good lighting and other safety features	0.00% 0	0.00% 0	33.33% 1	66.67% 2	3
Paved pathways away from the street	0.00% 0	0.00% 0	50.00% 1	50.00% 1	2
Signs providing direction and helping you to find your way	0.00% 0	0.00% 0	100.00% 2	0.00% 0	2
Wider Sidewalks	0.00% 0	0.00% 0	100.00% 2	0.00% 0	2
Sidewalks away from traffic	0.00% 0	0.00% 0	100.00% 2	0.00% 0	2
Crosswalks or walk signals	0.00% 0	0.00% 0	100.00% 2	0.00% 0	2
Ramps and even sidewalk surfaces	33.33% 1	0.00% 0	66.67% 2	0.00% 0	3

Walkable 29203: Pedestrian Master Plan Survey

Q8 If you chose to walk, where would you want to be able to walk to? (Check all that apply)

Answered: 4 Skipped: 0



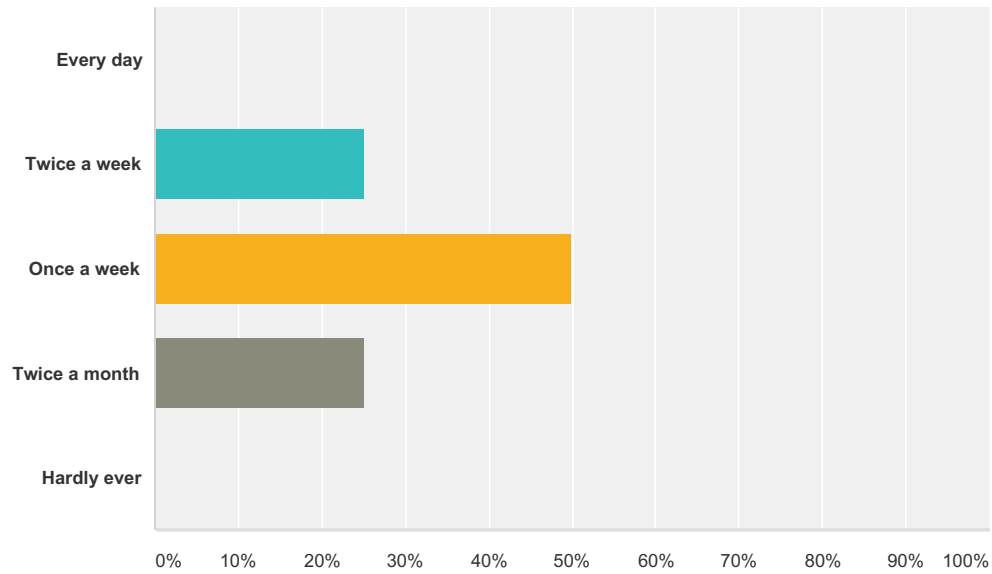
Walkable 29203: Pedestrian Master Plan Survey

Answer Choices	Responses	
Parks (Earlewood, Hyatt, Lincoln, Ridgewood, or others)	75.00%	3
Grocery Stores or other food outlets	75.00%	3
Neighbors' houses	75.00%	3
Restaurants, Delis, Diners, Coffee Shops, and similar places	50.00%	2
Community Centers (Crane Creek, Ridgewood Park, or others)	50.00%	2
Church or other places of worship	50.00%	2
Richland Library North Main	0.00%	0
Palmetto Health Richland Medical Park	0.00%	0
Schools (Private and Public)	0.00%	0
Colleges (William L Bonner, Columbia, Lutheran Theological Southern Seminary, or others)	0.00%	0
Other (Please specify)	0.00%	0
Total Respondents: 4		

Walkable 29203: Pedestrian Master Plan Survey

Q9 How often do you go the store to buy food?

Answered: 4 Skipped: 0



Answer Choices	Responses
Every day	0.00% 0
Twice a week	25.00% 1
Once a week	50.00% 2
Twice a month	25.00% 1
Hardly ever	0.00% 0
Total	4

Walkable 29203: Pedestrian Master Plan Survey

Q10 Where do you go to buy your groceries?

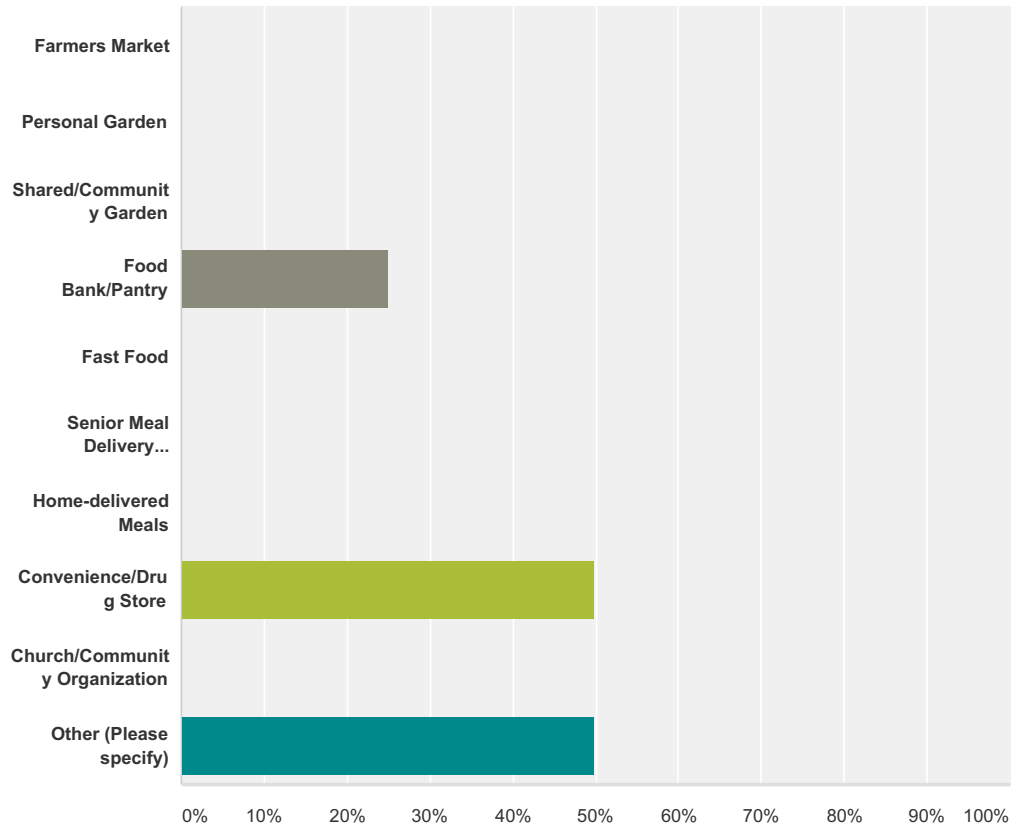
Answered: 4 Skipped: 0

☐	Aldi	5/18/2016 3:17 PM	View respondent's answers	Categorize as... ▼
☐	Food Lion	3/24/2016 9:18 PM	View respondent's answers	Categorize as... ▼
☐	bi-lo	3/22/2016 10:05 PM	View respondent's answers	Categorize as... ▼
☐	Walmart, Dutch Square or Killian Rd	3/19/2016 7:25 PM	View respondent's answers	Categorize as... ▼

Walkable 29203: Pedestrian Master Plan Survey

Q11 Besides grocery stores, where else do you get food? (Check all that apply)

Answered: 4 Skipped: 0

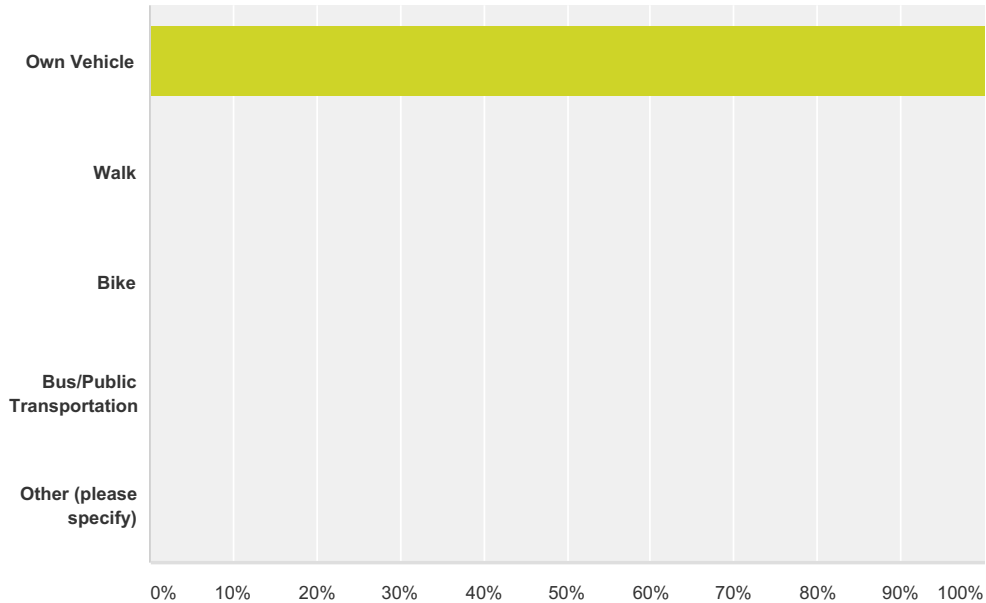


Answer Choices	Responses
Farmers Market	0.00% 0
Personal Garden	0.00% 0
Shared/Community Garden	0.00% 0
Food Bank/Pantry	25.00% 1
Fast Food	0.00% 0
Senior Meal Delivery Program	0.00% 0
Home-delivered Meals	0.00% 0
Convenience/Drug Store	50.00% 2
Church/Community Organization	0.00% 0
Other (Please specify)	50.00% 2
Total Respondents: 4	

Walkable 29203: Pedestrian Master Plan Survey

Q12 How do you get to the locations where you get your food? (Check all that apply.)

Answered: 4 Skipped: 0

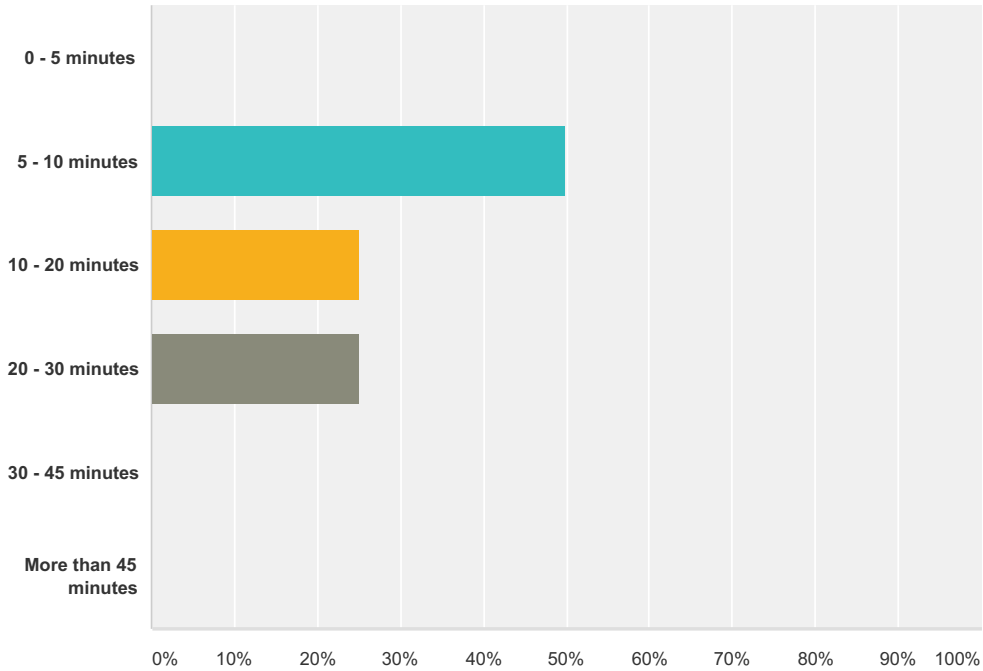


Answer Choices	Responses
Own Vehicle	100.00% 4
Walk	0.00% 0
Bike	0.00% 0
Bus/Public Transportation	0.00% 0
Other (please specify)	0.00% 0
Total Respondents: 4	

Walkable 29203: Pedestrian Master Plan Survey

Q13 Based on your response to question 11, how long does it take you to get to where you buy your groceries? (One-way travel, not round-trip)

Answered: 4 Skipped: 0



Answer Choices	Responses
0 - 5 minutes	0.00% 0
5 - 10 minutes	50.00% 2
10 - 20 minutes	25.00% 1
20 - 30 minutes	25.00% 1
30 - 45 minutes	0.00% 0
More than 45 minutes	0.00% 0
Total	4

Walkable 29203: Pedestrian Master Plan Survey

Q14 What is your age?

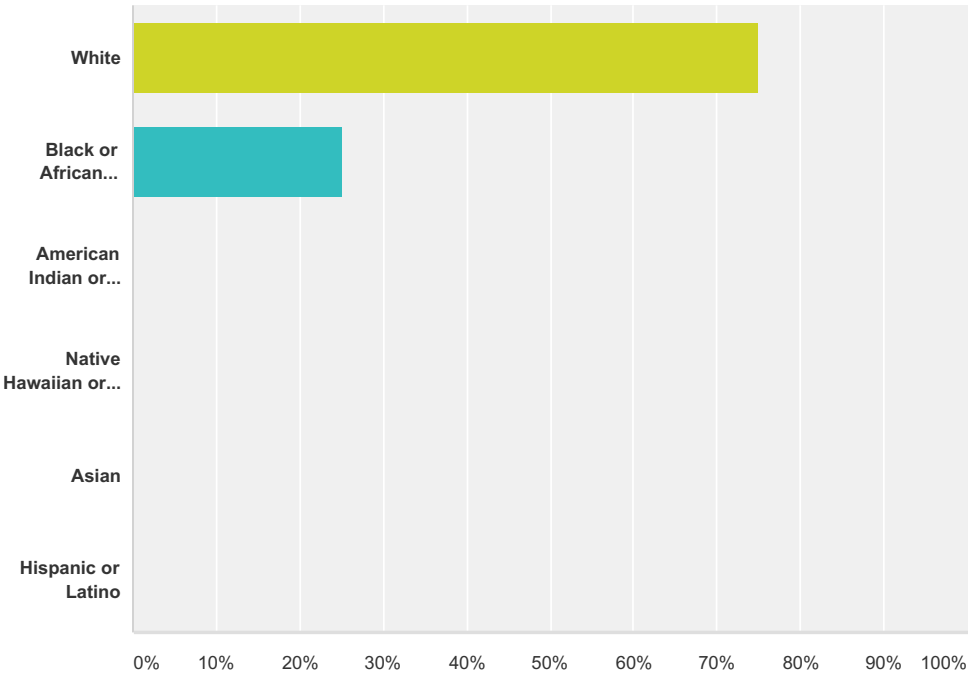
Answered: 4 Skipped: 0

☐	63	5/18/2016 3:19 PM	View respondent's answers	Categorize as... ▼
☐	68	3/24/2016 9:19 PM	View respondent's answers	Categorize as... ▼
☐	53	3/22/2016 10:05 PM	View respondent's answers	Categorize as... ▼
☐	73	3/19/2016 7:26 PM	View respondent's answers	Categorize as... ▼

Walkable 29203: Pedestrian Master Plan Survey

Q15 What is your race/ethnicity? (Check all that apply.)

Answered: 4 Skipped: 0

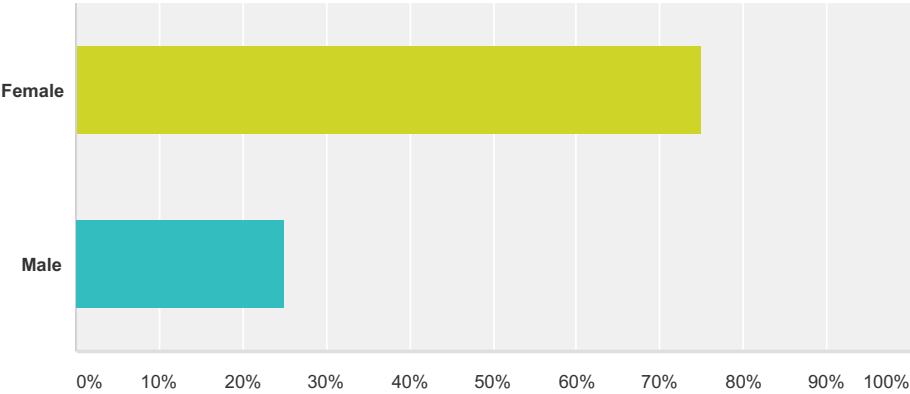


Answer Choices	Responses	
White	75.00%	3
Black or African American	25.00%	1
American Indian or Alaska Native	0.00%	0
Native Hawaiian or Other Pacific Islander	0.00%	0
Asian	0.00%	0
Hispanic or Latino	0.00%	0
Total Respondents: 4		

Walkable 29203: Pedestrian Master Plan Survey

Q16 What is your gender

Answered: 4 Skipped: 0



Answer Choices	Responses	
Female	75.00%	3
Male	25.00%	1
Total		4

Walkable 29203: Pedestrian Master Plan Survey

Q17 Any additional comments?

Answered: 1 Skipped: 3

☐ The biggest reason I exercise at Riverwalk is crime/safety concerns in my 29203 neighborhood
5/18/2016 3:19 PM [View respondent's answers](#) [Categorize as...](#) ▼

20 / 21

Walkable 29203: Pedestrian Master Plan Survey

Q18 Thank you for your time! If you would like to receive updates on the plan's progress, please provide your email here (survey results are anonymous):

Answered: 2 Skipped: 2

21 / 21

WALKABLE 29203 EQUITY MAPS

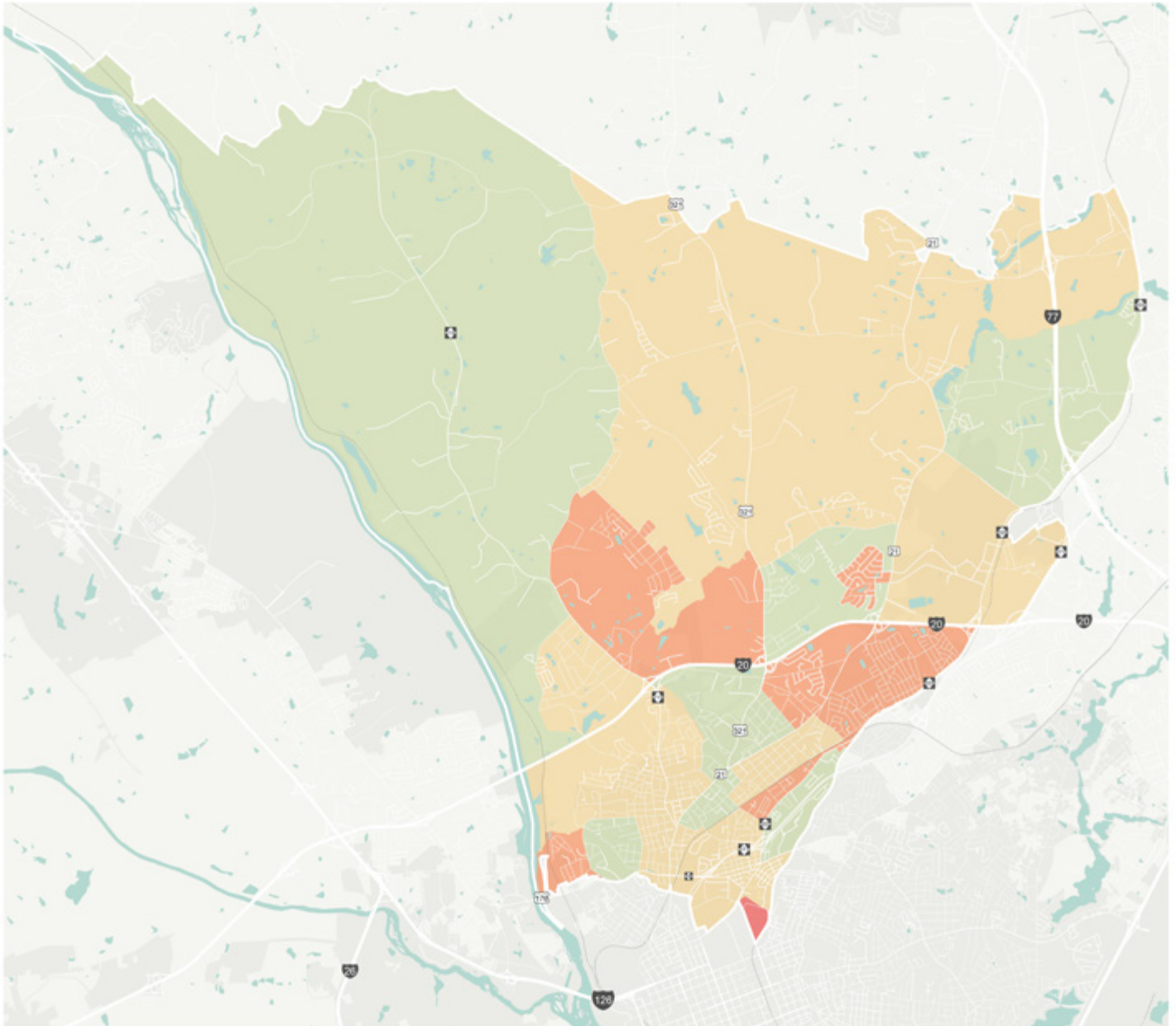
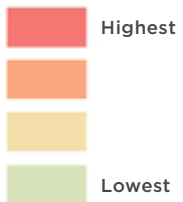
The following maps show the concentrations of the seven vulnerable populations used in the Composite Equity Analysis on page 37. These seven populations represent people and households who tend to have a higher risk of pedestrian mobility and access issues.

The seven vulnerable populations include:

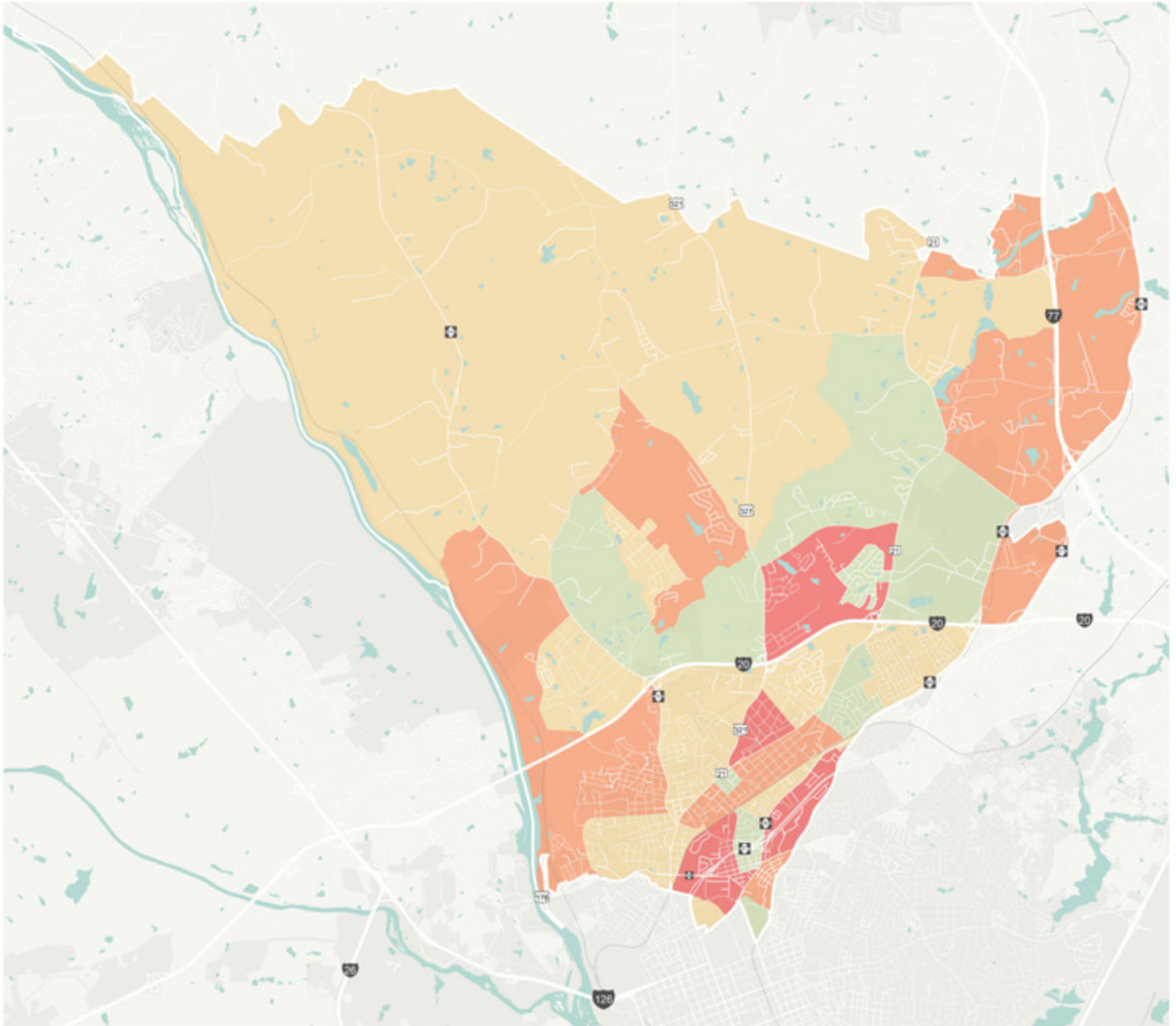
- Seniors (65 years and older)
- Children (14 years and younger)
- Non-white populations
- Low-income households
- Households without access to a vehicle
- Non-English speaking households
- SNAP recipients

These vulnerable populations were mapped by census block groups in the 29203 zip code. Block groups shaded red and orange represent an area with the highest vulnerable population concentration. Greens and yellows reflect lower concentrations of vulnerable populations.

SENIORS (65 YEARS AND OLDER)

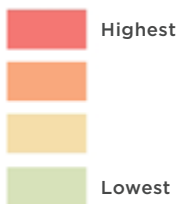
**LEGEND**Concentration of
Senior Population

CHILDREN (14 YEARS AND YOUNGER)

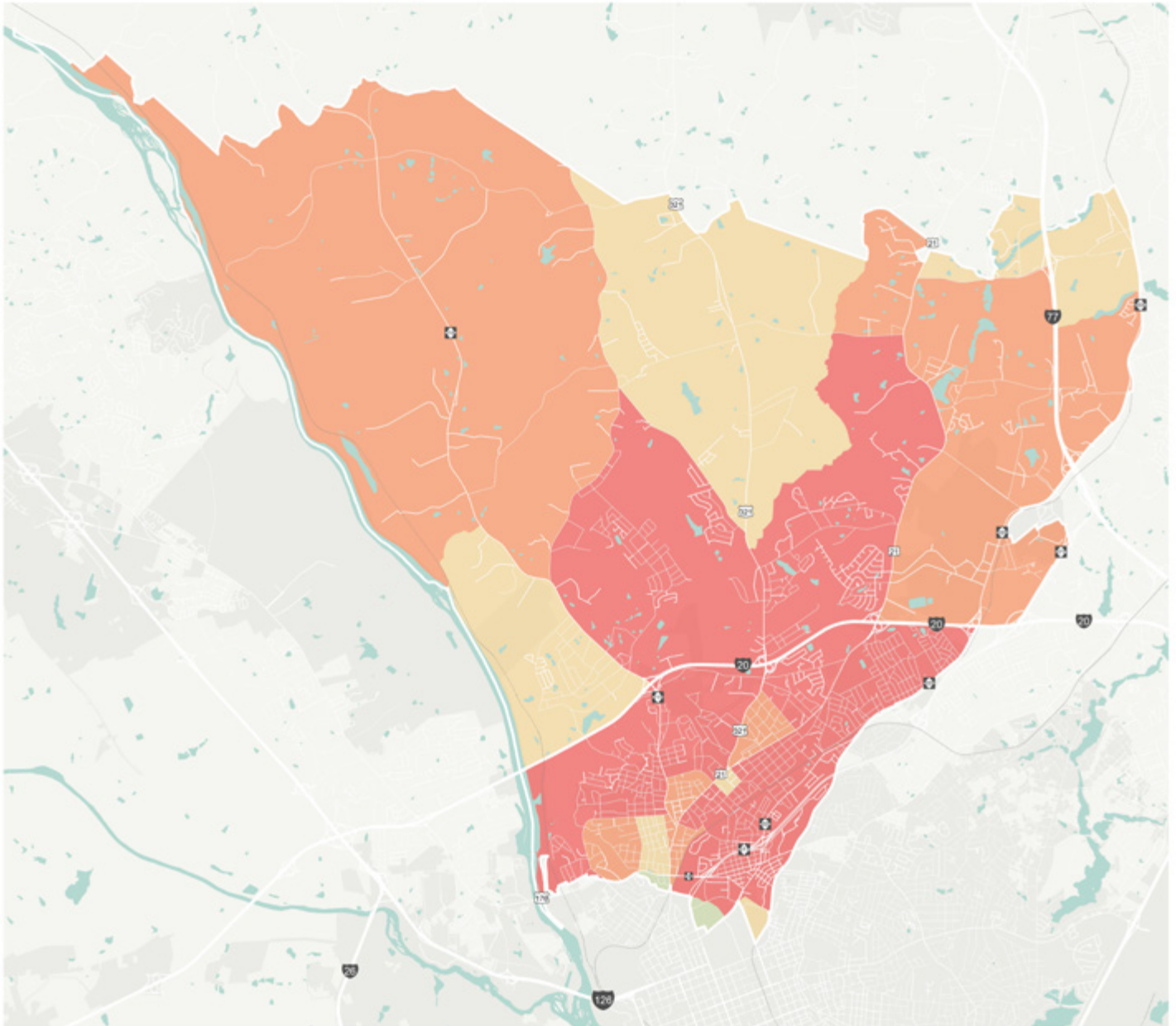


LEGEND

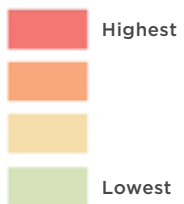
Concentration of
Child Population



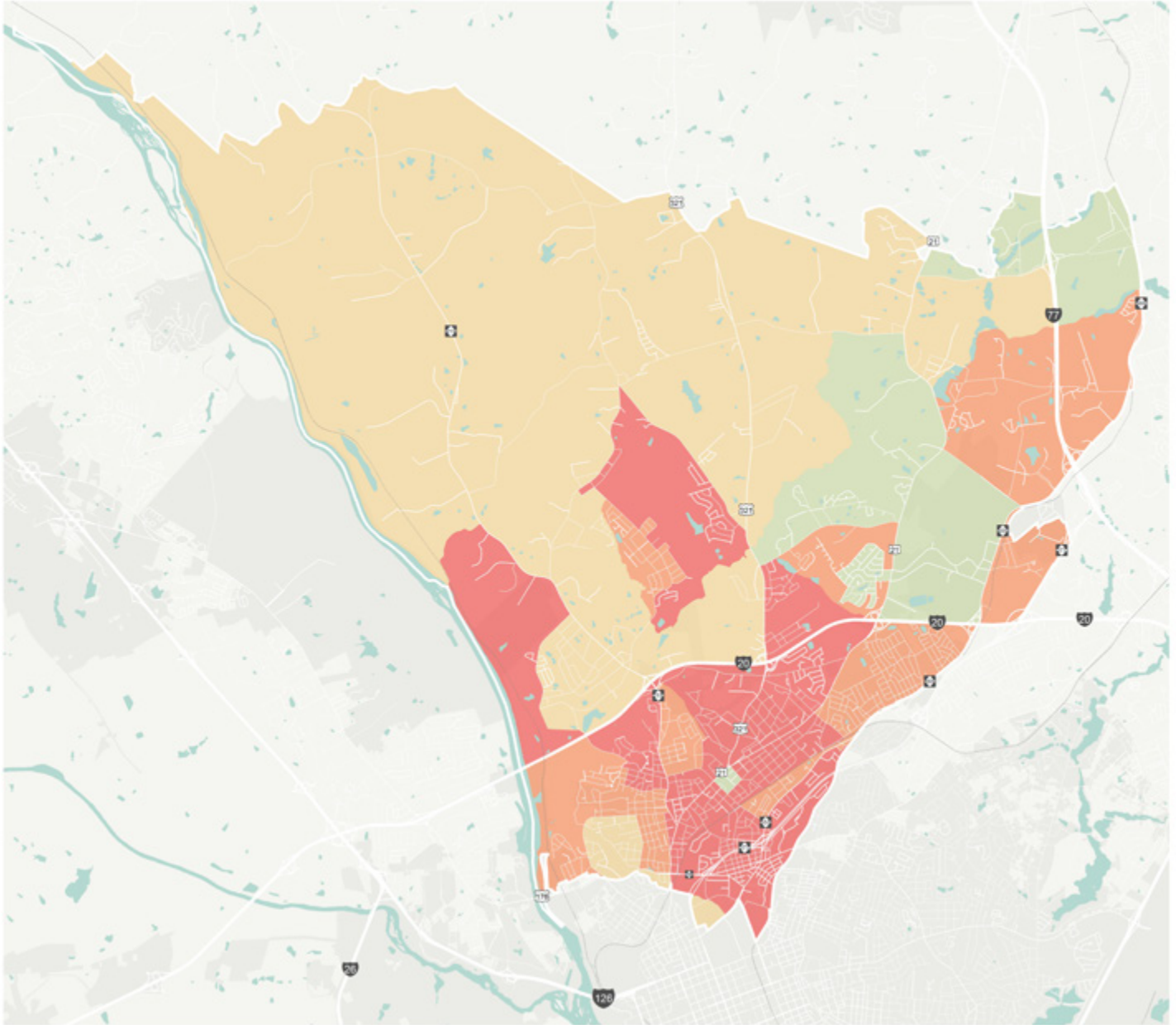
NON-WHITE POPULATIONS

**LEGEND**

Concentration of
Non-White Populations

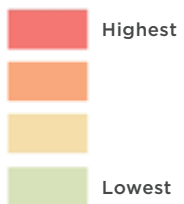


LOW-INCOME HOUSEHOLDS

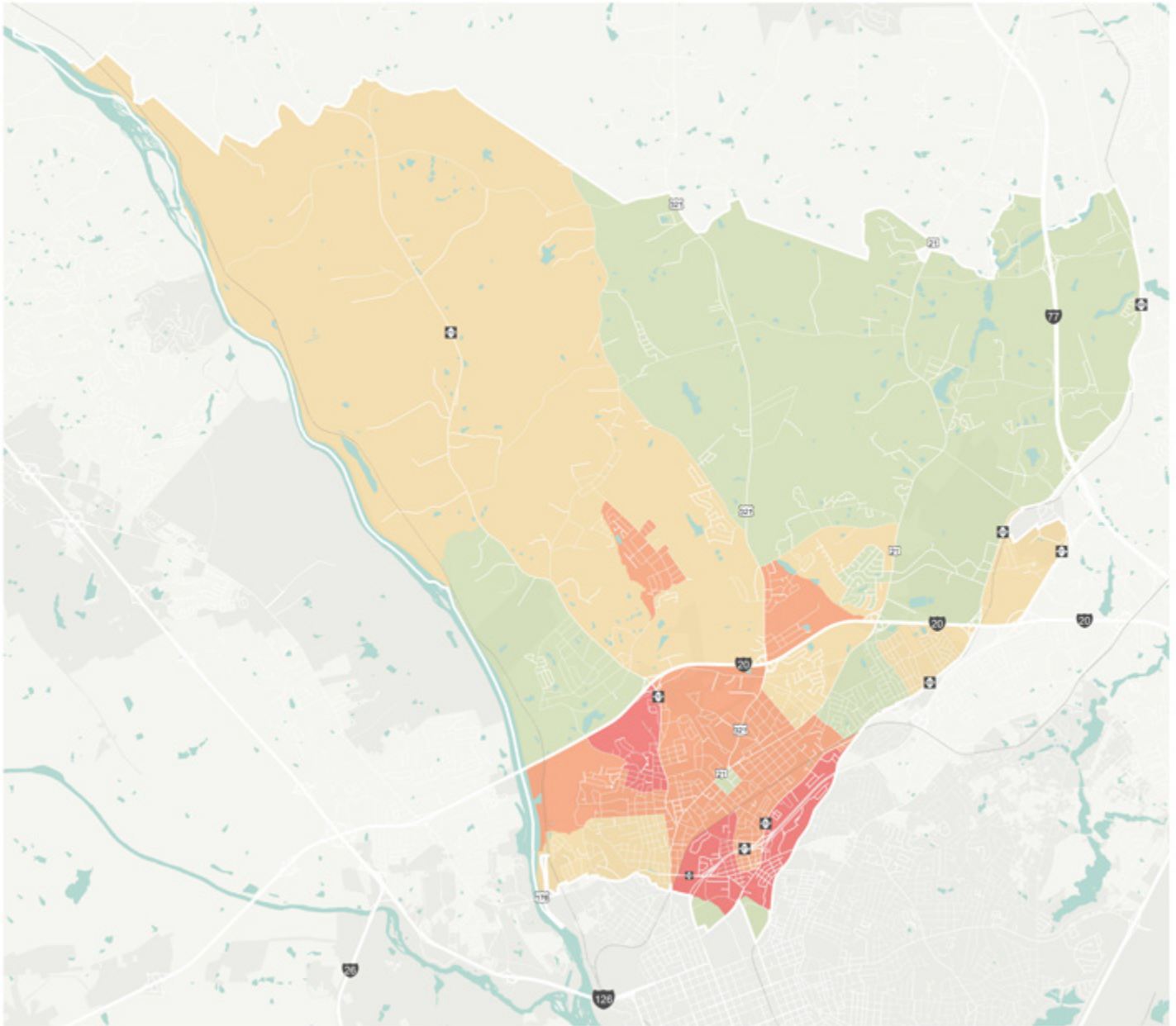


LEGEND

Concentration of
Low-Income Households

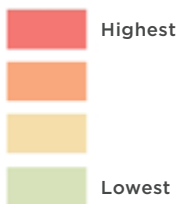


HOUSEHOLDS WITHOUT ACCESS TO A

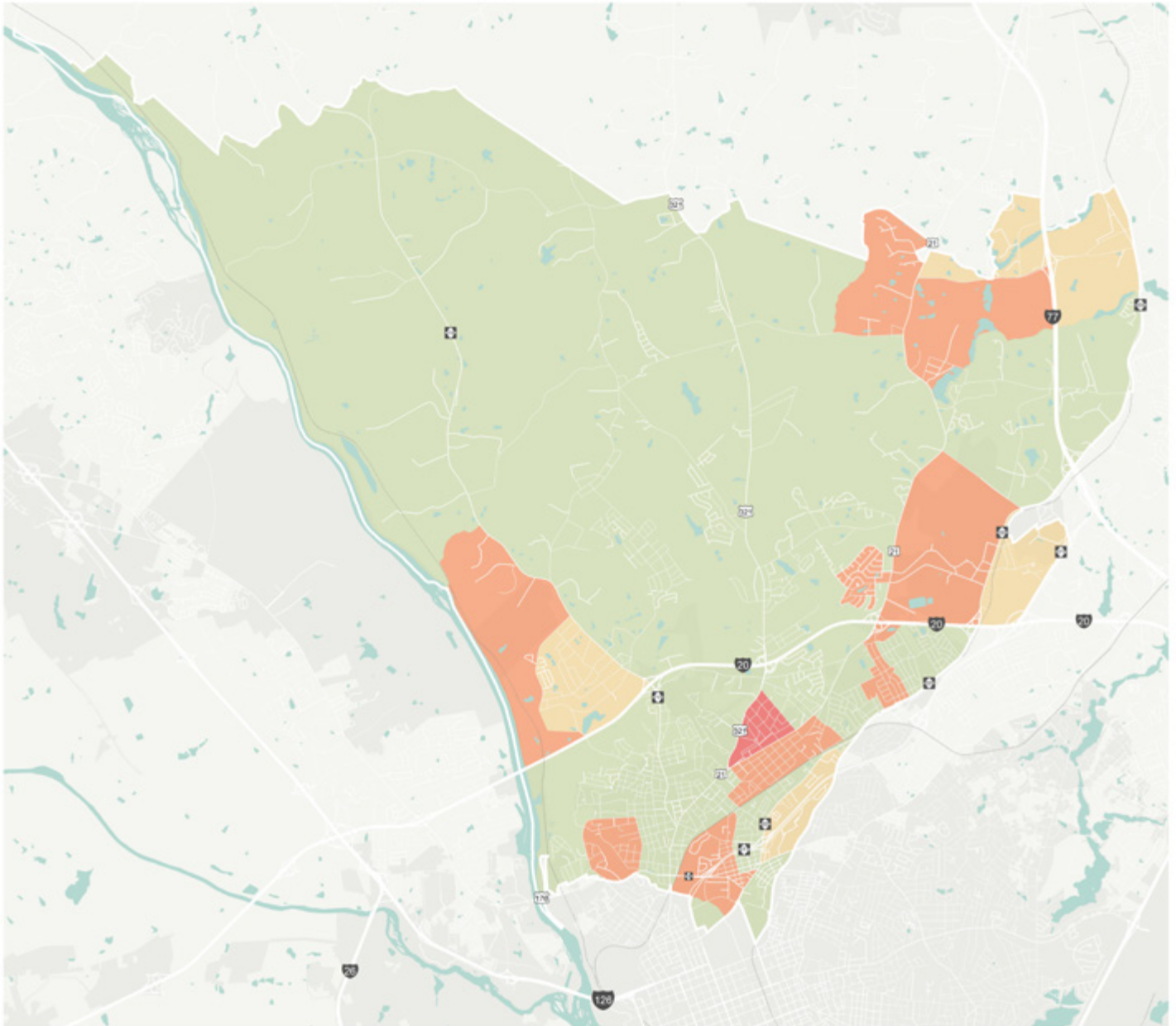


LEGEND

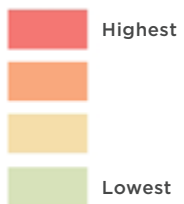
Concentration of
Households without Vehicle Access



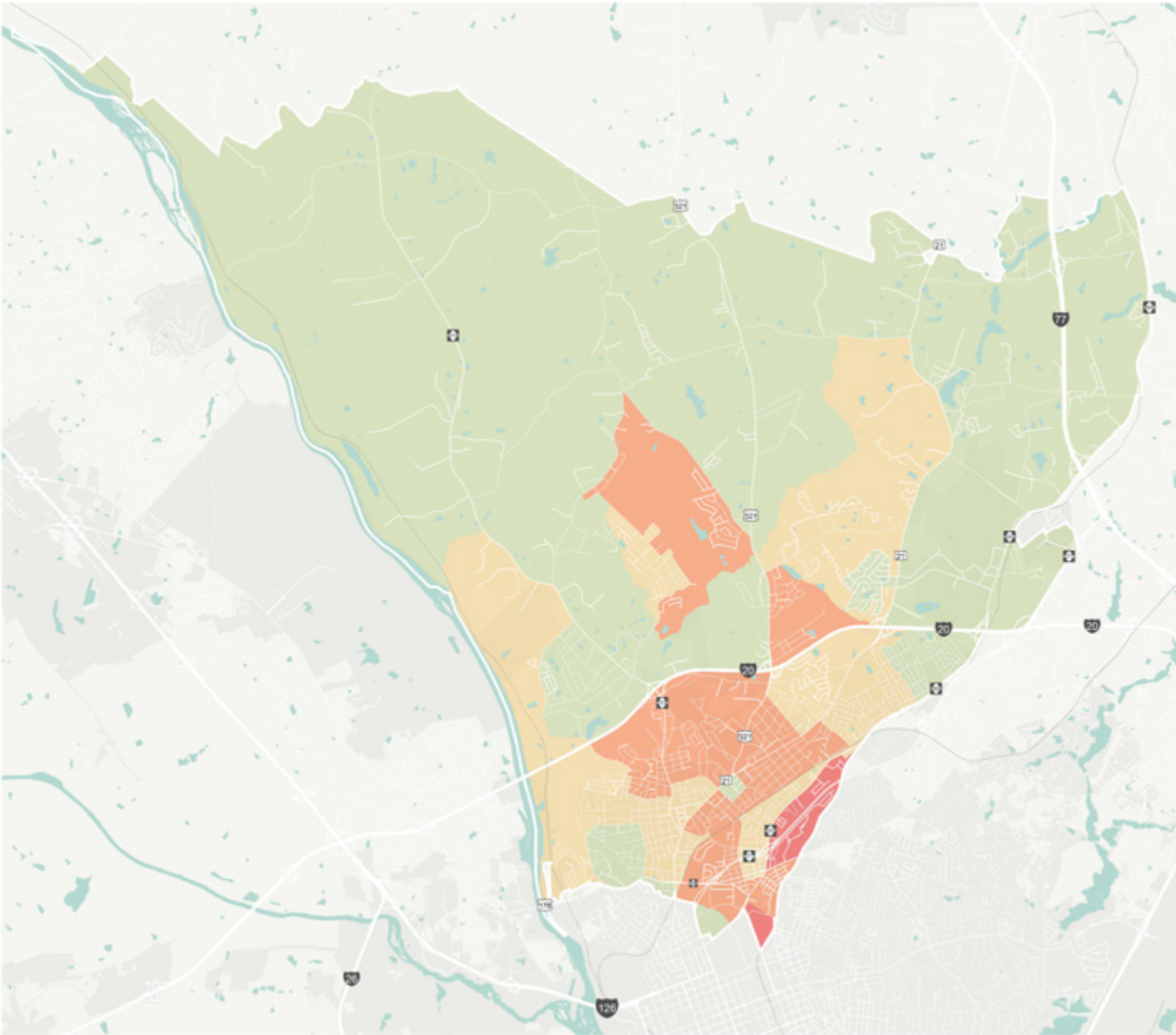
NON-ENGLISH SPEAKING HOUSEHOLDS

**LEGEND**

Concentration of
Non-English Speaking Households

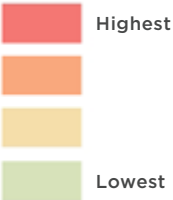


SNAP RECIPIENTS



LEGEND

Concentration of
SNAP Recipient Population





We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-045 - Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina, Chapter 6, Elections, Sec. 6-5 Filing fees

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** 2017-045 amend Sec 6-5 Filing fees (PDF)

ORDINANCE NO.: 2017-045

*Amending the 1998 Code of Ordinances of the City of Columbia, South Carolina,
Chapter 6, Elections, Sec. 6-5 Filing fees*

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 6, Elections, Sec. 6-5 Filing fees is amended to read as follows:

Sec. 6-5. Filing fees.

Filing fees for municipal office shall be:

- (1) Candidates for mayor: ~~\$180.00~~ **\$1,000.00**
- (2) Candidates for council: ~~\$90.00~~ **\$530.00**

Requested by:

City Council _____

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 20, 2017

DEPARTMENT: Real Estate Division

FROM: *Gale Nash, Real Estate Division Manager*

SUBJECT: Resolution No.: R-2017-054 Public Input on Closing and Transfer of an unopened portion of Willow Street (formerly Pine Street) containing approximately 0.39 acre located between Richland County TMS#09213-08-10, TMS#11601-25-02 and TMS#09116-02-13; CF#340-16A

FINANCIAL IMPACT:

STRATEGIC GOALS: Collaborate and partner with entities, Foster a healthy quality of life

ATTACHMENTS:

- **#a:** R-2017-054 Willow Street public input close-transfer (PDF)
- **#b:** Willow Street Map (PDF)

RESOLUTION NO.: R-2017-054

*Public Input on Closing and Transfer of an unopened portion of Willow Street
(formerly Pine Street) containing approximately 0.39 acres located between
Richland County TMS#09213-08-10, TMS #11601-25-02 and TMS#09116-02-13; CF#340-16A*

WHEREAS, pursuant to Resolution R-2014-053 enacted by the Mayor and City Council on June 10, 2014, the City adopted a procedure to receive public input on any action to which the City is a party regarding the permanent closure of a public street; and,

WHEREAS, the Columbia Housing Authority has requested the permanent closing and transfer of an unopened portion of City right-of-way of Willow Street (formerly known as Pine Street), containing approximately 0.39 acres, located between Richland County TMS#09213-08-10, TMS #11601-25-02 and TMS#09116-02-13, CF#340-16A as shown on a plat prepared for the City of Columbia by Chao and Associates dated April 27, 2017, a copy of which is attached hereto as Exhibit "A", for use in the development of the new Lorick Place Subdivision.

NOW, THEREFORE,

BE IT RESOLVED by the Mayor and City Council this ____ day of _____, 2017, that pursuant to R-2014-053, the City desires to receive public input regarding the request of the Columbia Housing Authority to permanently close to vehicular traffic and transfer to the Columbia Housing Authority an unopened portion of right-of-way of Willow Street (formerly known as Pine Street), containing approximately 0.39 acres, located between Richland County TMS#09213-08-10, TMS #11601-25-02 and TMS#09116-02-13, CF#340-16A as shown on a plat prepared for the City of Columbia by Chao and Associates dated April 27, 2017, a copy of which is attached hereto as Exhibit "A", for use in the development of the new Lorick Place Subdivision.

Requested by:

City Manager _____

Mayor _____

Approved by:

City Manager _____

ATTEST:

Approved as to form:

City Attorney _____

City Clerk _____

Introduced:

Final Reading:

0.78' (TR)

N42°08'E 50.30'

N/F COLUMBIA HOUSING AUTHORITY TMS# R06213-06-10

N/F COLUMBIA HOUSING AUTHORITY TMS# R06213-06-07

N/F COLUMBIA HOUSING AUTHORITY TMS# R06213-06-08

N/F COLUMBIA HOUSING AUTHORITY TMS# R11801-25-01

N/F COLUMBIA HOUSING AUTHORITY TMS# R11801-25-02

N/F COLUMBIA HOUSING AUTHORITY TMS# R11801-25-03

WILLOW STREET (FORMERLY PINE STREET) 50' RW

WEST AVENUE (10-40-325) 80' RW

0.39 ACRES

SCALE: 1" = 30'

APRIL 27, 2017

AARON C. BROOKS JR. SC RLS 0020462

CHAO & ASSOCIATES No. 000357

PLAT PREPARED FOR The City of Columbia Willow Street IN THE CITY OF COLUMBIA, RICHLAND COUNTY, SC

CONSULTING ENGINEERS & LAND SURVEYORS

7 QUAILSTONE COURT - COLUMBIA, SC 29905 TEL 803-773-8450 FAX 803-773-8128

DRAWING NUMBER 1 of 1

Packet Pg. 443

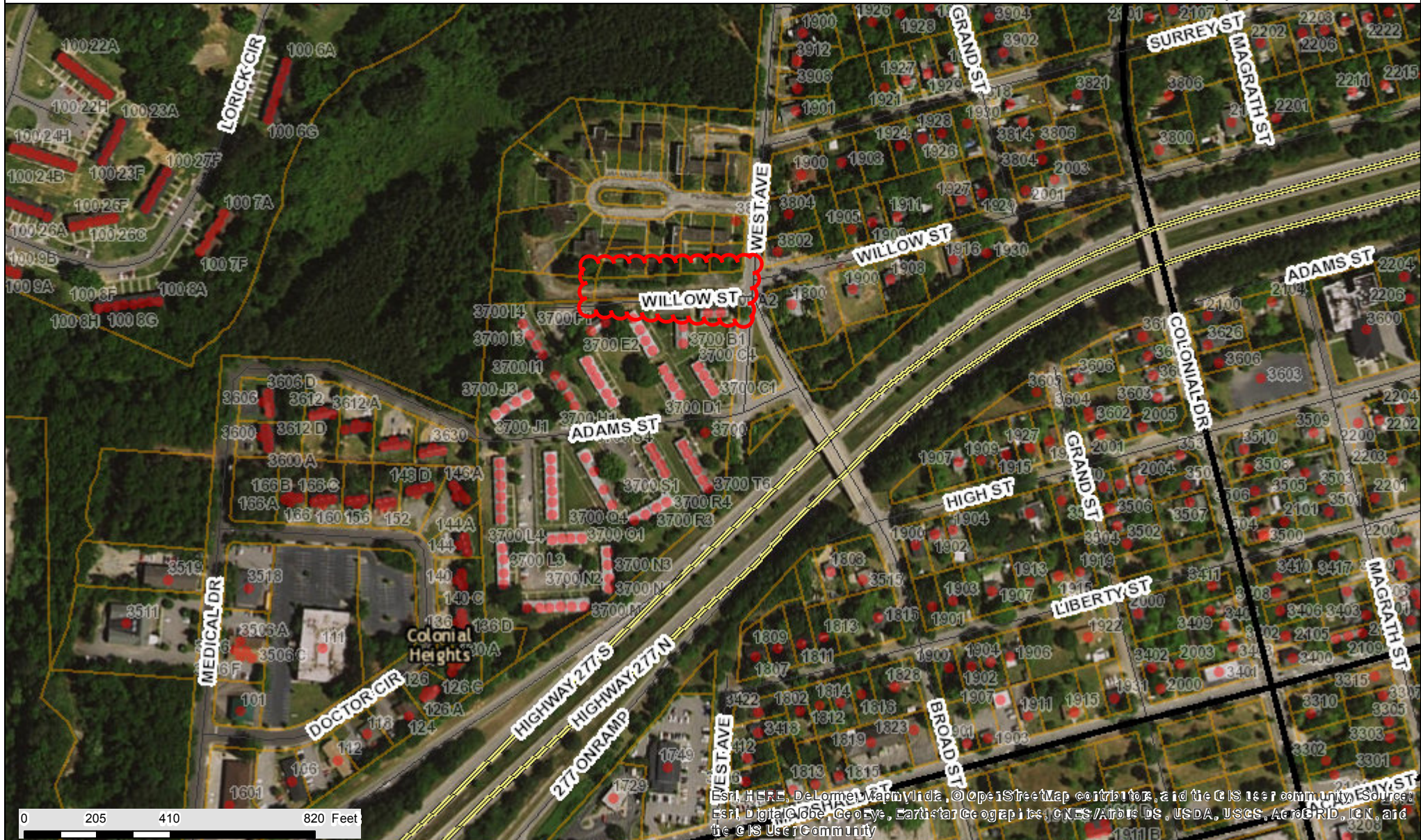
City of Columbia

WILLOW STREET

31.b



Monday, June 19, 2017



CITY OF COLUMBIA GIS DATA DISCLAIMER

The City of Columbia GIS 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.



Packet Pg. 444



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Planning and Development Services

FROM: *Krista Hampton, Director*

SUBJECT: Annexation, Interim Comprehensive Plan Map Amendment, and Interim Zoning Map Amendment 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, and 160 Bluff Road, 164 Bluff Road, 1003 Hamrick Street, 1007 Hamrick Street, and 1011 Hamrick Street; TMS# 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26, 11204-02-25, 11204-02-14, 11204-02-15, and 11204-02-16

PRESENTER: Krista Hampton

FINANCIAL IMPACT: Ordinance No.: 2017-051 - Annexing 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, 160 Bluff Road, 164 Bluff Road, 1003 Hamrick Street, 1007 Hamrick Street and 1011 Hamrick Street, Richland County TMS# 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26, 11204-02-25, 11204-02-14, 11204-02-15 and 11204-02-16

Council District: 2

Proposal:Annex, assign interim an interim land use classification of Urban Core Mixed Residential Type 2 (UCMR-2), and assign interim zoning of General Residential District (RG-2). The property is currently classified as Mixed Residential-High Density and zoned Residential Multi-Family High Density (RM-HD) by Richland County.

Applicant: Orchard Columbia III, LLC / Julius Terry Kirkland; Robert L. Giles; Holbrook Family, LLC; James L. Hilliard

Staff Recommendation:Annex, Assign Interim Land Use and Interim Zoning; Approve

PC Recommendation:06/05/17: Annex, Assign Interim Land Use and Interim Zoning; Approve (7-0)

ATTACHMENTS:

- **#a:** FT-ANNEX-Bluff_Hamrick-OrchardPh3 (PDF)
- **#b:** 2017-050 annex The Orchard (PDF)



CITY COUNCIL

June 20, 2017 at 6:00pm

City Council Chambers, 3rd Floor, 1737 Main Street, Columbia, SC 29201

Annexation, Interim Comprehensive Plan Map Amendment, and Interim Zoning Map Amendment Case Summary

**150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, and 160 Bluff Road, 164 Bluff Road, 1003 Hamrick Street, 1007 Hamrick Street, and 1011 Hamrick Street;
TMS# 11204-02-29, 11204-02-28, 11204-02-27, AND 11204-02-26, 11204-02-25, 11204-02-14, 11204-02-15, AND 11204-02-16**

Council District:	2	
Proposal:	Annex, assign interim an interim land use classification of Urban Core Mixed Residential Type 2 (UCMR-2), and assign interim zoning of General Residential District (RG-2). The property is currently classified as Mixed Residential-High Density and zoned Residential Multi-Family High Density (RM-HD) by Richland County.	
Applicant:	Orchard Columbia III, LLC / Julius Terry Kirkland; Robert L. Giles; Holbrook Family, LLC; James L. Hilliard	
Staff Recommendation:	Annex, Assign Interim Land Use and Interim Zoning	APPROVE
PC Recommendation:	06/05/17: Annex, Assign Interim Land Use and Interim Zoning	APPROVE (7-0)
Annexation, 1 st Reading:	06/20/17: Annex, Assign Interim Land Use and Interim Zoning	PENDING
Annexation, 2 nd Reading:	07/18/17: Annex, Assign Interim Land Use and Interim Zoning	PENDING
Comp Plan Amendment: 1 st Reading: PH	09/19/17: Confirmation of Land Use Classification	PENDING
Comp Plan Amendment: 2 nd Reading	10/03/17: Confirmation of Land Use Classification	PENDING
Map Amendment: 1 st Reading: ZPH	09/19/17: Zoning Confirmation	PENDING
Map Amendment: 2 nd Reading	10/03/17: Zoning Confirmation	PENDING

CURRENT PARCEL CHARACTERISTICS/CONDITIONS

Acreage: ~2.308 acres

Current Use: Single-family residences

Proposed Use: Multifamily

Reason for Annexation: Municipal Services

Urban Service Area: Donut Hole

Current Richland County Land Use Classification: Mixed Residential-High Density

Proposed Land Use Classification: Urban Core Mixed Residential Type 2 (UCMR-2)

Current Richland County Zoning: Residential Multifamily High Density (RM-HD)

Proposed Zoning: General Residential District (RG-2)

Census Tract: 28

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 and development will result in an increase number of calls for services and will cost the CPD approximately **\$9,200** annually to provide service.

Fire

The proposed annexation **will not result in additional costs or impact services** being provided by this department. Annexation would improve the ISO rating of this property to a Class 1 from a Class 2.

Solid Waste

After the proposed development is completed, the annual cost with solid waste service **would be \$0** as this service is not provided to multifamily properties.

Engineering

Because water and sewer lines currently exist in this area and the developer will install new infrastructure at the time of development, 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 and sewer service rates for the customer.

Planning & Development Services

We recommend annexation of this property. The estimated annual City property tax revenue after annexation and development of this property will be approximately **\$14,000**.

*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

The subject property 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 Core Mixed Residential Type 2 (UCMR-2) in The Columbia Plan 2018 Future Land Use Map.

Urban Core Mixed Residential Type 2 neighborhoods are appropriate in the central City, inner ring areas and a couple of blocks off of major corridors throughout Columbia. This development type may represent existing and historic neighborhoods and a development form appropriate for medium to large scale redevelopment or infill sites. Traditional and contemporary architectural styles have a place in Urban Core Mixed Residential neighborhoods but scale is always important. Urban Core Mixed Residential Type 2 neighborhoods have smaller-scale residential buildings, with single-family homes being a dominant use. Urban Core Mixed Residential Type 2 will usually transition from Urban Core Mixed Residential Type 1 to Urban Core Residential as development moves further from main arterials and activity centers.

Primary Types:

- Single-family Detached
- Single-family Attached
- Two-family
- Three-family

Secondary Types:

- Multi-family Small

Tertiary Types:

- Small Format Commercial
- Small Format Civic / Institutional
- Small Format Business / Employment (excl. Flex)

Existing Neighborhood, Small Area, Community, and/or Corridor Plans

The subject property is also located within the study area of the *Capital City Mill District Area & Corridor Plan*, for which a draft will be forthcoming shortly.

PROPOSED ZONING DISTRICT SUMMARY

The subject property is currently zoned Residential Multifamily High Density (RG-2) by Richland County, and surrounding parcels are currently zoned RM-HD to the East and West and NC to the South by Richland County. Surrounding parcels within the City of Columbia are zoned Light Industrial District (M-1) to the North.

The proposed interim City of Columbia zoning district is General Residential District (RG-2).

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 City Council adopt an ordinance to annex the property and assign interim land use classification of UCMR-2 and interim zoning of RG-2.



Future Land Use Map

Department of Planning & Development Services

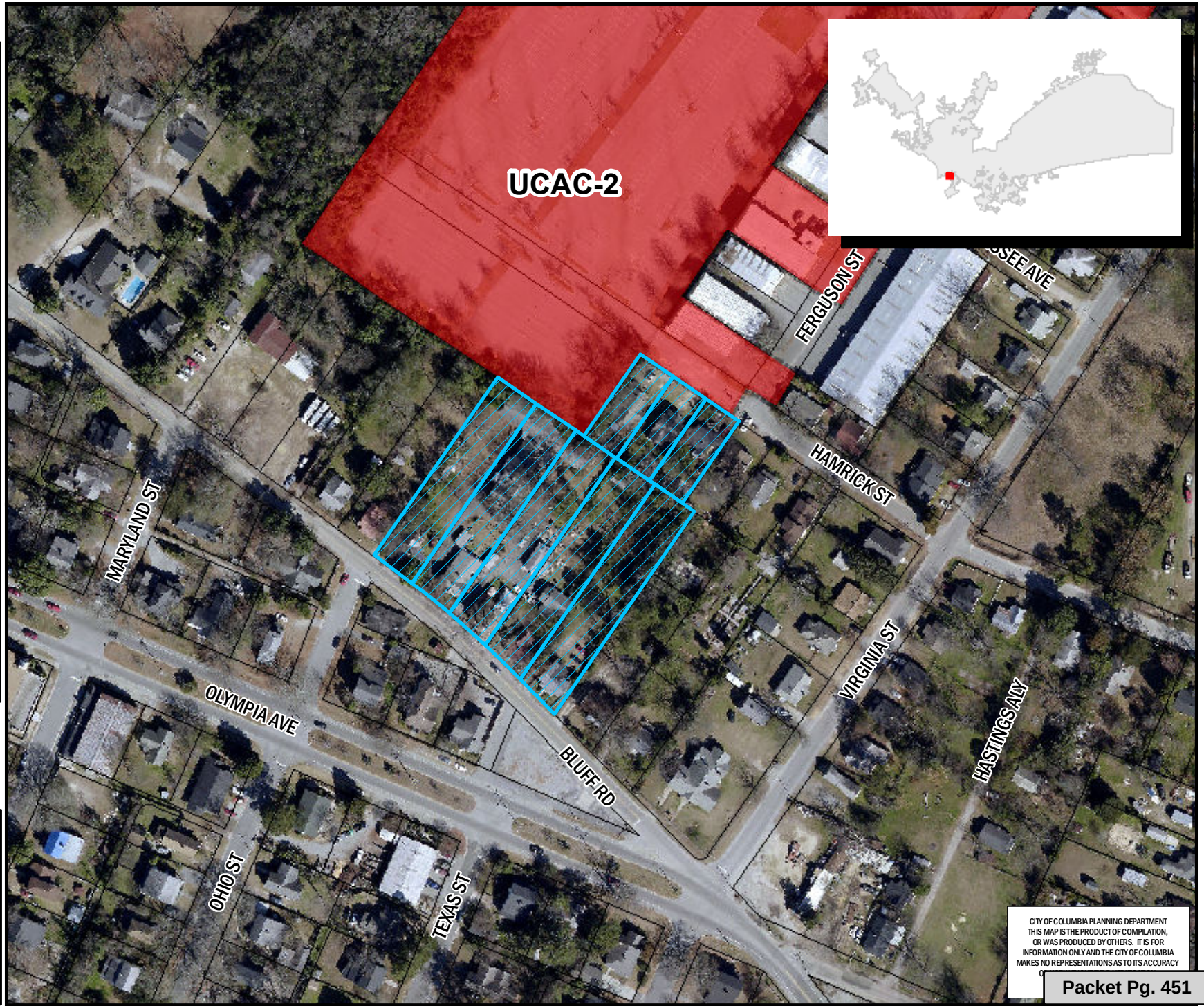


ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
May 23, 2017



150, 152, 154, 154A, 156, 160 and 164 Bluff Road and 1003, 1007 and 1011 Ham
TMS# 11204-02-29, -28, -27, -26, -25, -14, -15 and -16;
Existing Richland FLU: Mixed Residential-High Density; Proposed FLU: UCMR-2

32.a



CITY OF COLUMBIA PLANNING DEPARTMENT
THIS MAP IS THE PRODUCT OF COMPILED,
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INFORMATION ONLY AND THE CITY OF COLUMBIA
MAKES NO REPRESENTATIONS AS TO ITS ACCURACY

Packet Pg. 451

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

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 50 100 200
Feet

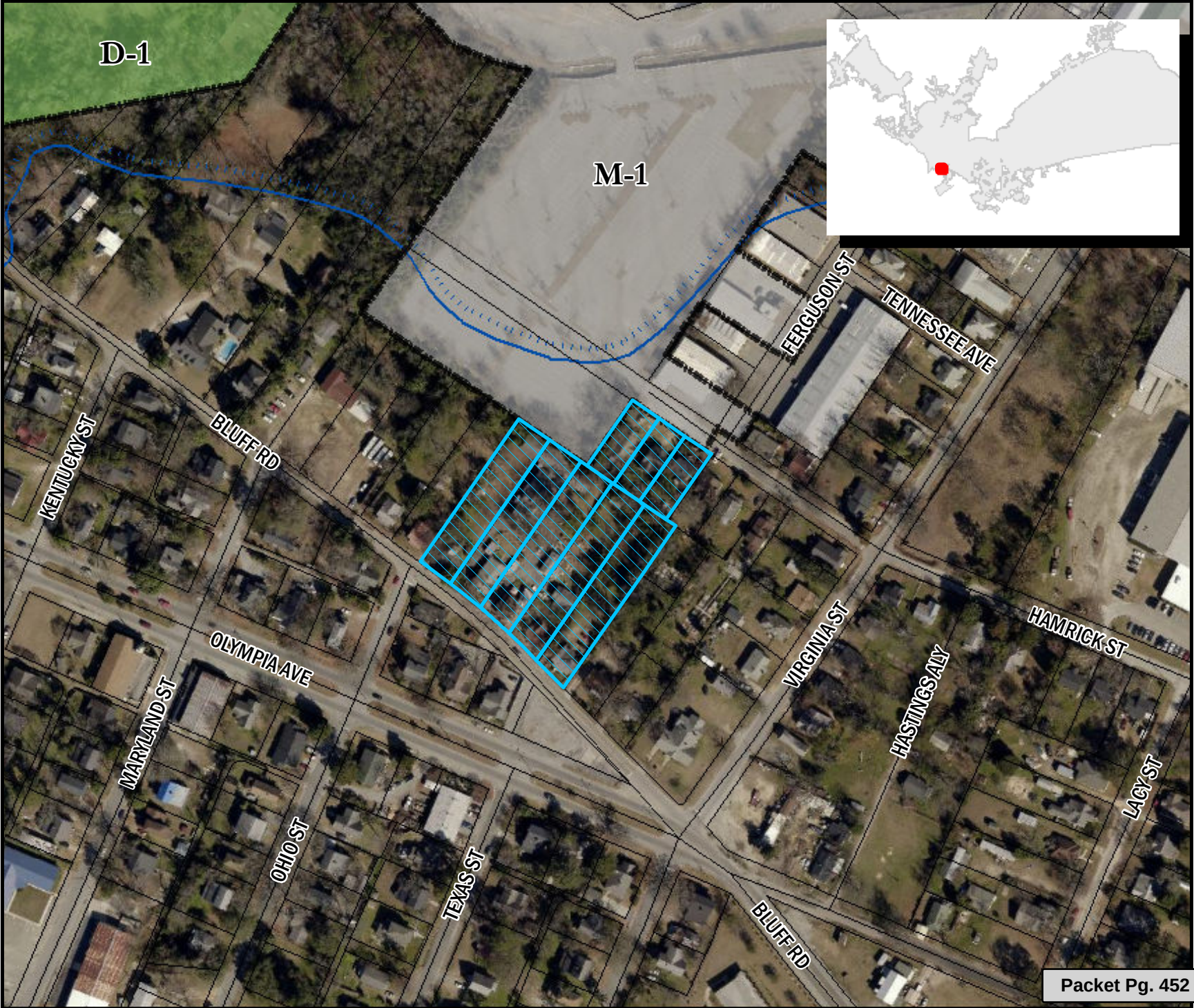
ORIGINAL PREPARATION/DATE:
 This map was prepared by:
 Shane Shaughnessy
 May 23, 2017

DISCLAIMER:
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150, 152, 154, 154A, 156, 160 and 164 Bluff Road and 1003, 1007 and 1011 Hamrick Street.
 TMS# 11204-02-29, -28, -27, -26, -25, -14, -15 and -16;
 Existing Richland Zoning: RM-HD; Proposed Zoning: RG-2

32.a



** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

ORDINANCE NO.: 2017-050

Annexing 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, 160 Bluff Road, 164 Bluff Road, 1003 Hamrick Street, 1007 Hamrick Street and 1011 Hamrick Street, Richland County TMS# 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26, 11204-02-25, 11204-02-14, 11204-02-15 and 11204-02-16

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; 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 and becomes a part of the City of Columbia effective immediately. This property shall be assigned interim zoning of General Residential District (RG-2), apportioned to City Council District 2, Census Tract 28, contains 2.308 acres, and shall be assigned an interim land use classification of Urban Core Mixed Residential Type 2 (UCMR-2).

PROPERTY DESCRIPTION: See Attached Exhibit "A"

Richland County TMS NO.: 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26,
11204-02-25, 11204-02-14, 11204-02-15 and 11204-02-16

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:


Deputy City Attorney

Introduced:

Final Reading:

ATTEST:

City Clerk

EXHIBIT "A"
PROPERTY DESCRIPTION
ORDINANCE NO.: 2017-050

All that certain piece, parcel or lot of land, with the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS #11204-02-25, 0.41 acre, on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc. dated May 19, 2017. Said parcel having such boundaries and measurements as are shown on said exhibit.

ALSO:

All that certain piece, parcel or lot of land, with the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS #11204-02-14, 0.14 acre and TMS #11204-02-15, 0.14 acre, on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc. dated May 19, 2017. Said parcel having such boundaries and measurements as are shown on said exhibit.

ALSO:

All that certain piece, parcel or lot of land, with the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS #11204-02-16, 0.14 acre, on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc. dated May 19, 2017. Said parcel having such boundaries and measurements as are shown on said exhibit.

ALSO:

All those certain pieces, parcels or lots of land, with the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS #11204-02-29, 0.36 acre; TMS #11204-02-28, 0.36 acre; TMS #11204-02-27, 0.36 acre; and 11204-02-26, 0.39 acre, on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc. dated May 19, 2017. Said parcel having such boundaries and measurements as are shown on said exhibit.

MEMORANDUM

Office of the City Manager

TO: Department Heads

FROM: Teresa Wilson, City Manager

DATE: May 24, 2017

RE: **Property Address:** 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, and 160 Bluff Road, 164 Bluff Road, 1003 Hamrick Street, 1007 Hamrick Street, and 1011 Hamrick Street
Richland County TMS#: 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26, 11204-02-25, 11204-02-14, 11204-02-15, and 11204-02-16
Owner(s): Julius Terry Kirkland; Robert L. Giles; Holbrook Family, LLC; James L. Hilliard
Current Use: Single Family Residences
Proposed Use: Multifamily
Current County Land Use: Mixed Residential – High Density
Proposed City Land Use: Urban Core Mixed Residential Type 2 (UCMR-2)
Current County Zoning: Residential Multifamily High Density (RM-HD)
Proposed City Zoning: General Residential District (RG-2)
Reason for Annexation: Municipal Services/Donut Hole
City Council District: 2
Census Tract: 28

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 **June 5, 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

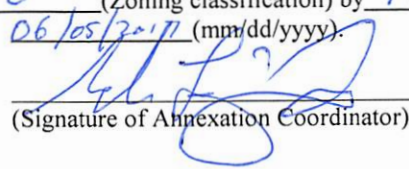
Attachments

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 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 Land Use Recommendation: UCMR-2 (Land Use classification) by 7-0 on 06/05/2017 (mm/dd/yyyy).

Planning Commission Zoning Recommendation: RG-2 (Zoning classification) by 7-0 on 06/05/2017 (mm/dd/yyyy).


 (Signature of Annexation Coordinator)



Future Land Use Map

Department of Planning & Development Services

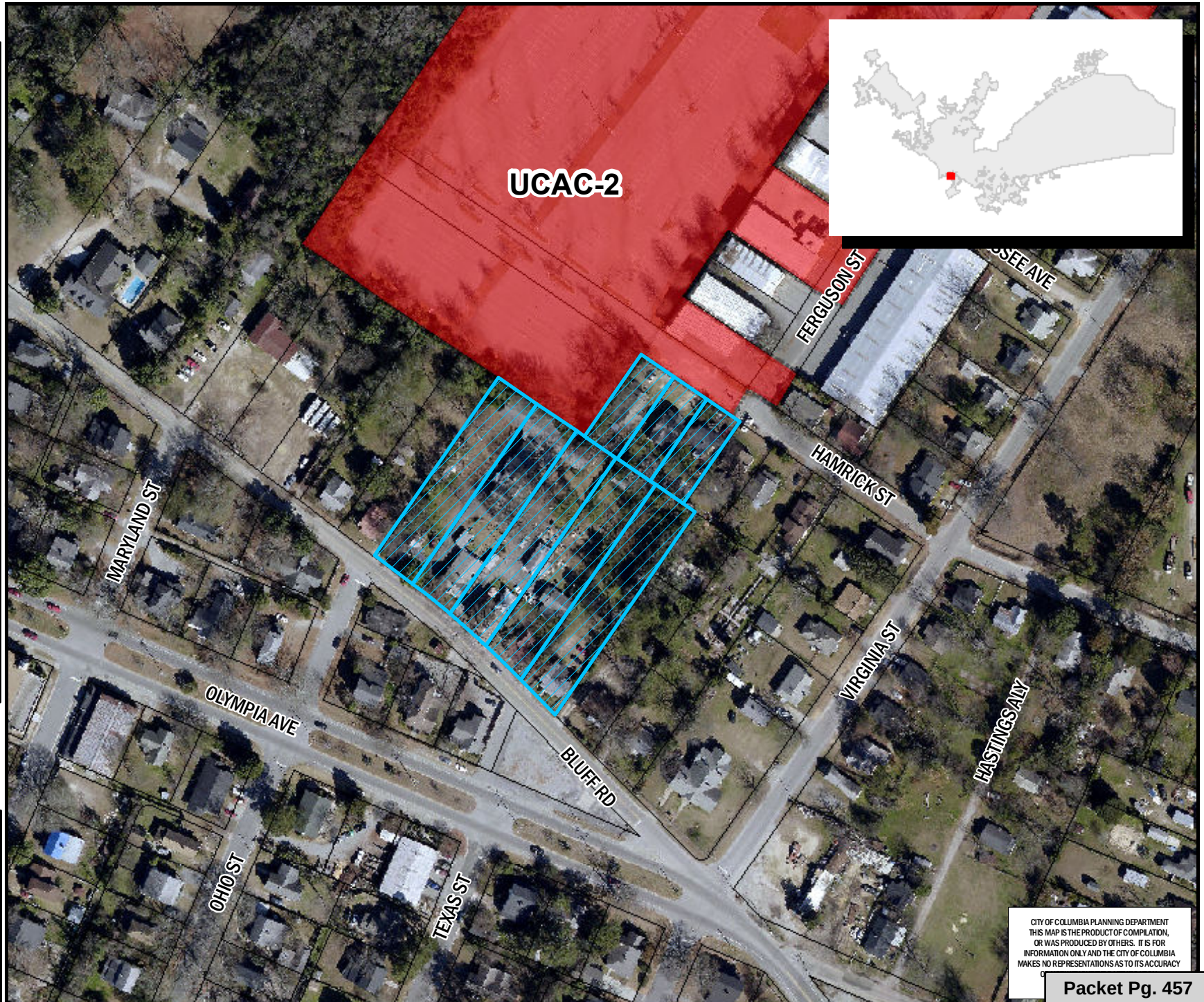


ORIGINAL PREPARATION/DATE:
This map was prepared by:
Shane Shaughnessy
May 23, 2017



150, 152, 154, 154A, 156, 160 and 164 Bluff Road and 1003, 1007 and 1011 Ham
TMS# 11204-02-29, -28, -27, -26, -25, -14, -15 and -16;
Existing Richland FLU: Mixed Residential-High Density; Proposed FLU: UCMR-2

32.b



CITY OF COLUMBIA PLANNING DEPARTMENT
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Packet Pg. 457

** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

Zoning Map

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 50 100 200 Feet

ORIGINAL PREPARATION/DATE:
This map was prepared by:

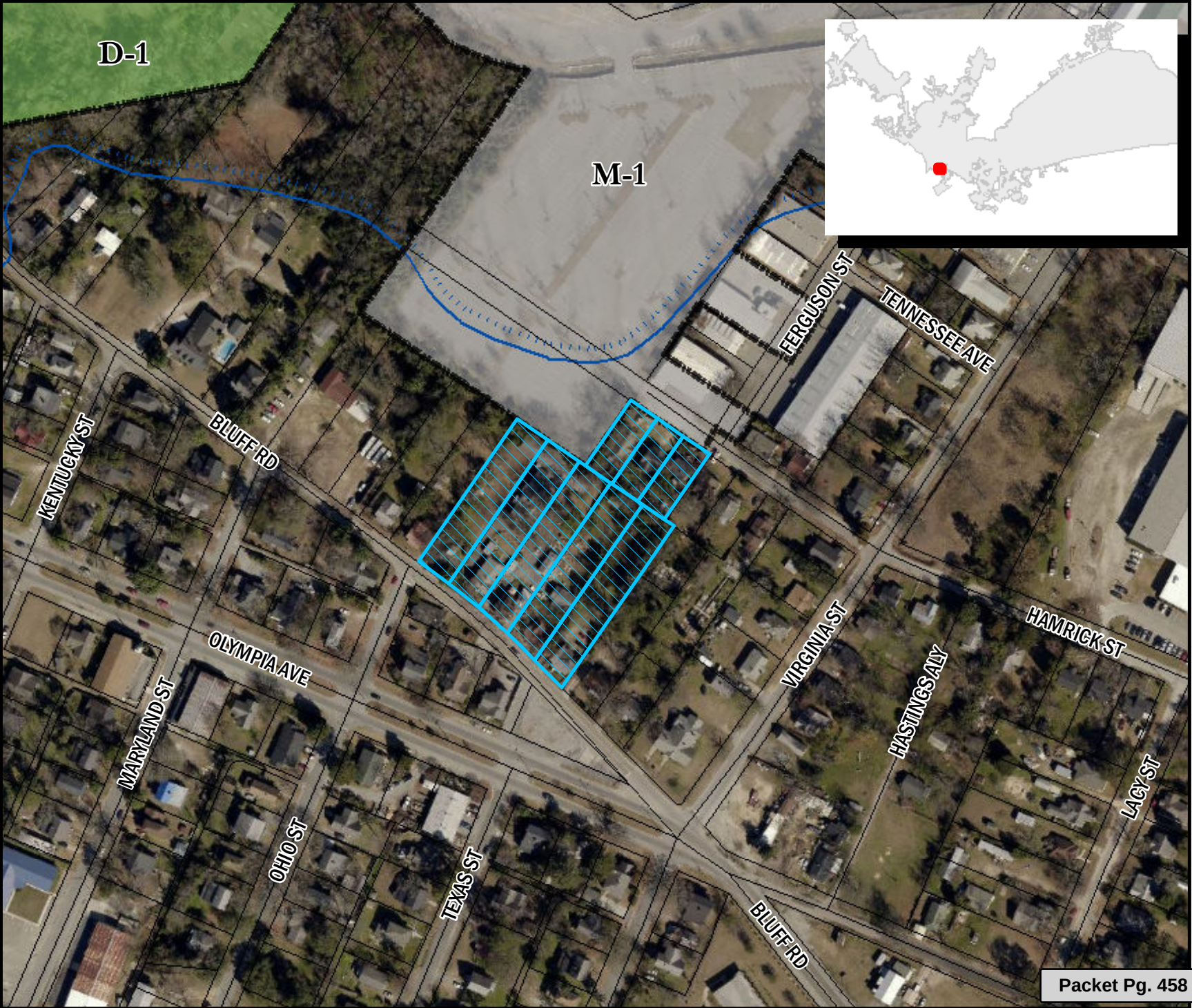
Shane Shaughnessy
May 23, 2017

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150, 152, 154, 154A, 156, 160 and 164 Bluff Road and 1003, 1007 and 1011 Hamrick Street.
TMS# 11204-02-29, -28, -27, -26, -25, -14, -15 and -16;
Existing Richland Zoning: RM-HD; Proposed Zoning: RG-2

32.b



** DATA SOURCE - CITY OF COLUMBIA, GIS DIVISION

STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

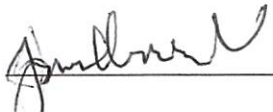
The undersigned, being the owner(s) of the property described below hereby petition(s) the Mayor and City Council for annexation to the City of Columbia, South Carolina pursuant to S.C. Code Ann. Section 5-3-150, 1976, as amended.

Property Description: All that certain pieces, parcels or lots of land, with the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS#11204-02-29, 0.36 Acre; TMS#11204-02-28, 0.36 Acre; TMS#11204-02-27, 0.36 Acre; and TMS#11204-02-26, 0.39 Acre; on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc., dated May 19, 2017. Said parcels having such boundaries and measurements as are shown on said exhibit.

Richland County TMS: 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26

Property Addresses: 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, and 160 Bluff Road

Owner:



Julius Terry Kirkland

Date: 5/21/17

Buyers:

Orchard Columbia III, LLC

BY: _____
 Signature

Date: _____

ITS: _____

 (Print or Type Name)

STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

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Richland County TMS: 11204-02-29, 11204-02-28, 11204-02-27, and 11204-02-26

Property Addresses: 150 Bluff Road, 152 Bluff Road, 154 Bluff Road, 154A Bluff Road, 156 Bluff Road, and 160 Bluff Road

Owner:

Date: _____

Julius Terry Kirkland

Buyers:

Orchard Columbia III, LLC

BY: _____

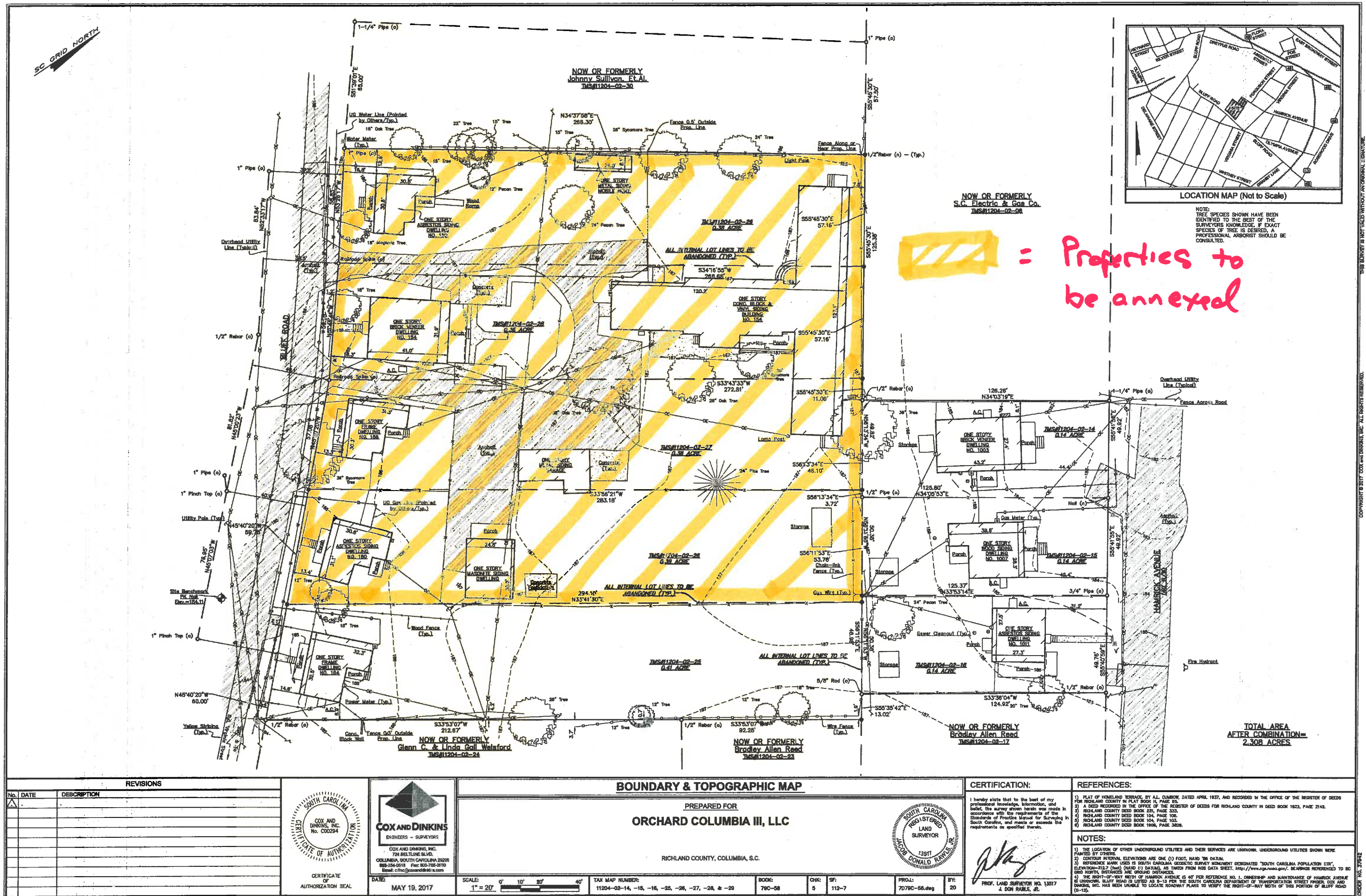
Signature

Todd Kennedy

(Print or Type Name)

Date: 5/19/17

ITS: Member



STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

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Property Description: All that certain piece, parcel or lot of land, with the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS#11204-02-25, 0.41 Acre, on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc., dated May 19, 2017. Said parcel having such boundaries and measurements as are shown on said exhibit.

Richland County TMS: 11204-02-25

Property Addresses: 164 Bluff Road

Owner:


 Robert L. Giles

Date: 5-22-17

Buyers:

Orchard Columbia III, LLC

BY: _____
 Signature

Date: _____

ITS: _____

(Print or Type Name)

STATE OF SOUTH CAROLINA)
)
 COUNTY OF RICHLAND) PETITION FOR ANNEXATION

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Richland County TMS: 11204-02-25

Property Addresses: 164 Bluff Road

Owner:

 Robert L. Giles

Date: _____

Buyers:

Orchard Columbia III, LLC

BY:

 Signature

Date:

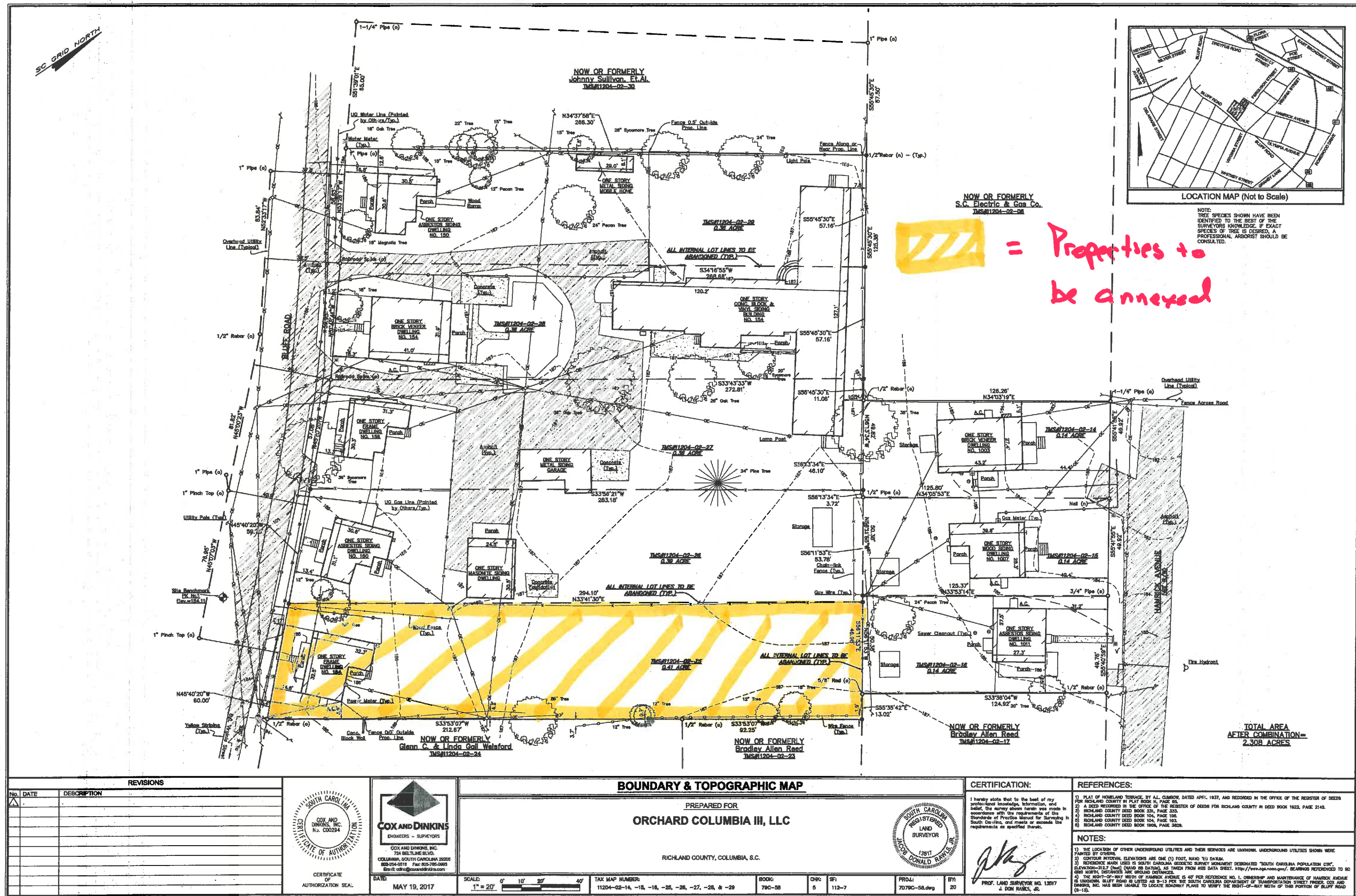
 5/18/17

 Todd Kennedy

ITS:

 Member

(Print or Type Name)



STATE OF SOUTH CAROLINA)
)
COUNTY OF RICHLAND) PETITION FOR ANNEXATION

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Richland County TMS: 11204-02-14 and 11204-02-15

Property Addresses: 1003 Hamrick Street and 1007 Hamrick Street

Owners:

Holbrook Family, LLC

BY: Edwin C Hollbrook
Signature
Holbrook Family LLC

Date: 5/21/17

ITS: PRESIDENT

(Print or Type Name)

Buyers:

Orchard Columbia III, LLC

BY: _____
Signature

Date: _____

ITS: _____

(Print or Type Name)

STATE OF SOUTH CAROLINA)
)
COUNTY OF RICHLAND) PETITION FOR ANNEXATION

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Richland County TMS: 11204-02-14 and 11204-02-15

Property Addresses: 1003 Hamrick Street and 1007 Hamrick Street

Owners:

Holbrook Family, LLC

BY: _____
Signature

(Print or Type Name)

Date: _____

ITS: _____

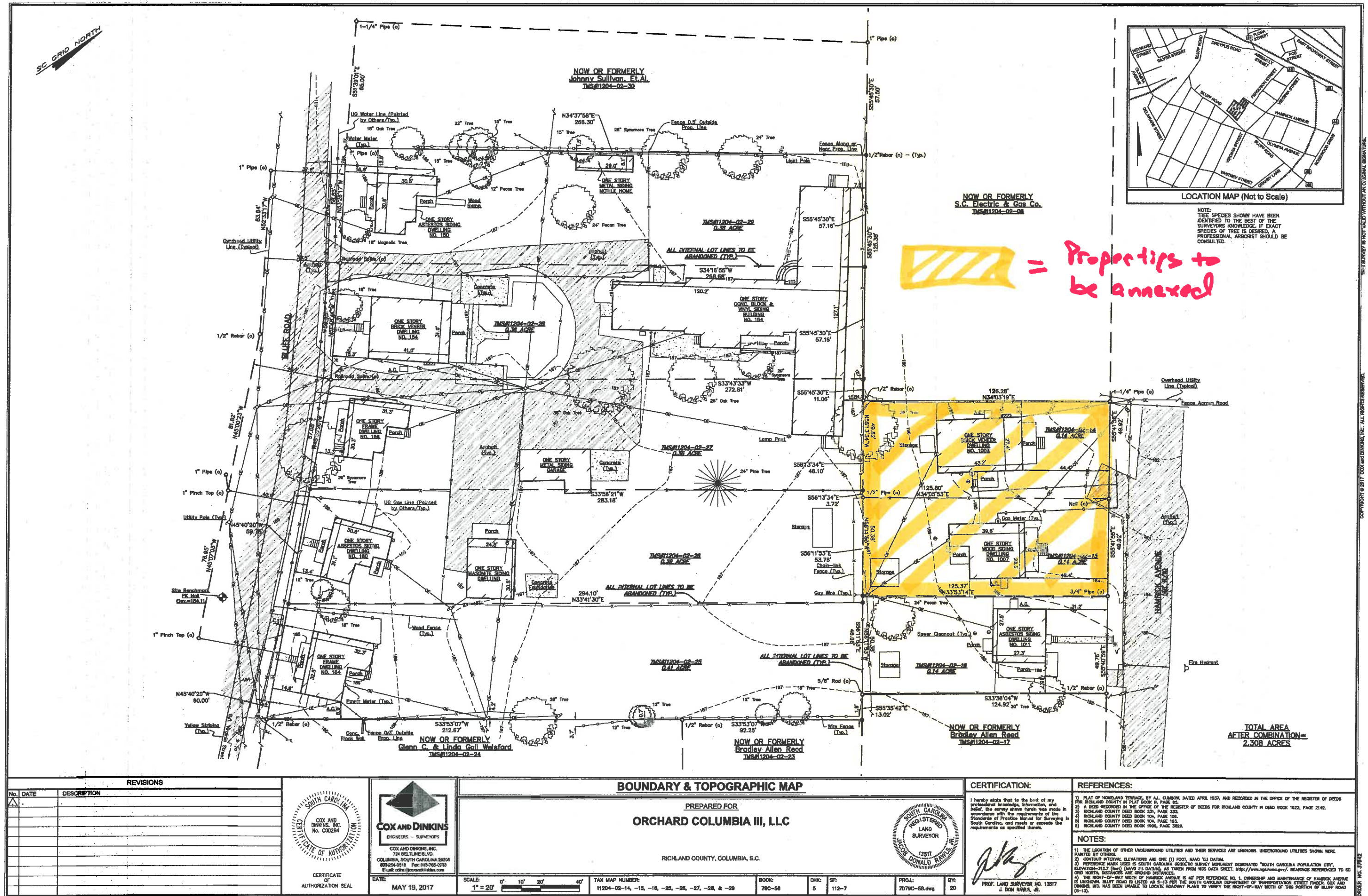
Buyers:

Orchard Columbia III, LLC

BY: 
Signature
Todd Kennedy
(Print or Type Name)

Date: 5/19/17

ITS: Member



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 the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS#11204-02-16, 0.14 Acre, on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc., dated May 19, 2017. Said parcel having such boundaries and measurements as are shown on said exhibit.

Richland County TMS: 11204-02-16

Property Addresses: 1011 Hamrick Street

Owner:


 James L. Hilliard

Date: 5/21/17

Buyers:

Orchard Columbia III, LLC

BY: _____
 Signature

Date: _____

ITS: _____

(Print or Type Name)

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 the improvements thereon, situate, lying and being near the City of Columbia, in the County of Richland, State of South Carolina, and being shown and designated as TMS#11204-02-16, 0.14 Acre, on a Boundary and Topographic Map prepared for Orchard Columbia III, LLC, by Cox and Dinkins, Inc., dated May 19, 2017. Said parcel having such boundaries and measurements as are shown on said exhibit.

Richland County TMS: 11204-02-16

Property Addresses: 1011 Hamrick Street

Owner:

James L. Hilliard

Date: _____

Buyers:

Orchard Columbia III, LLC

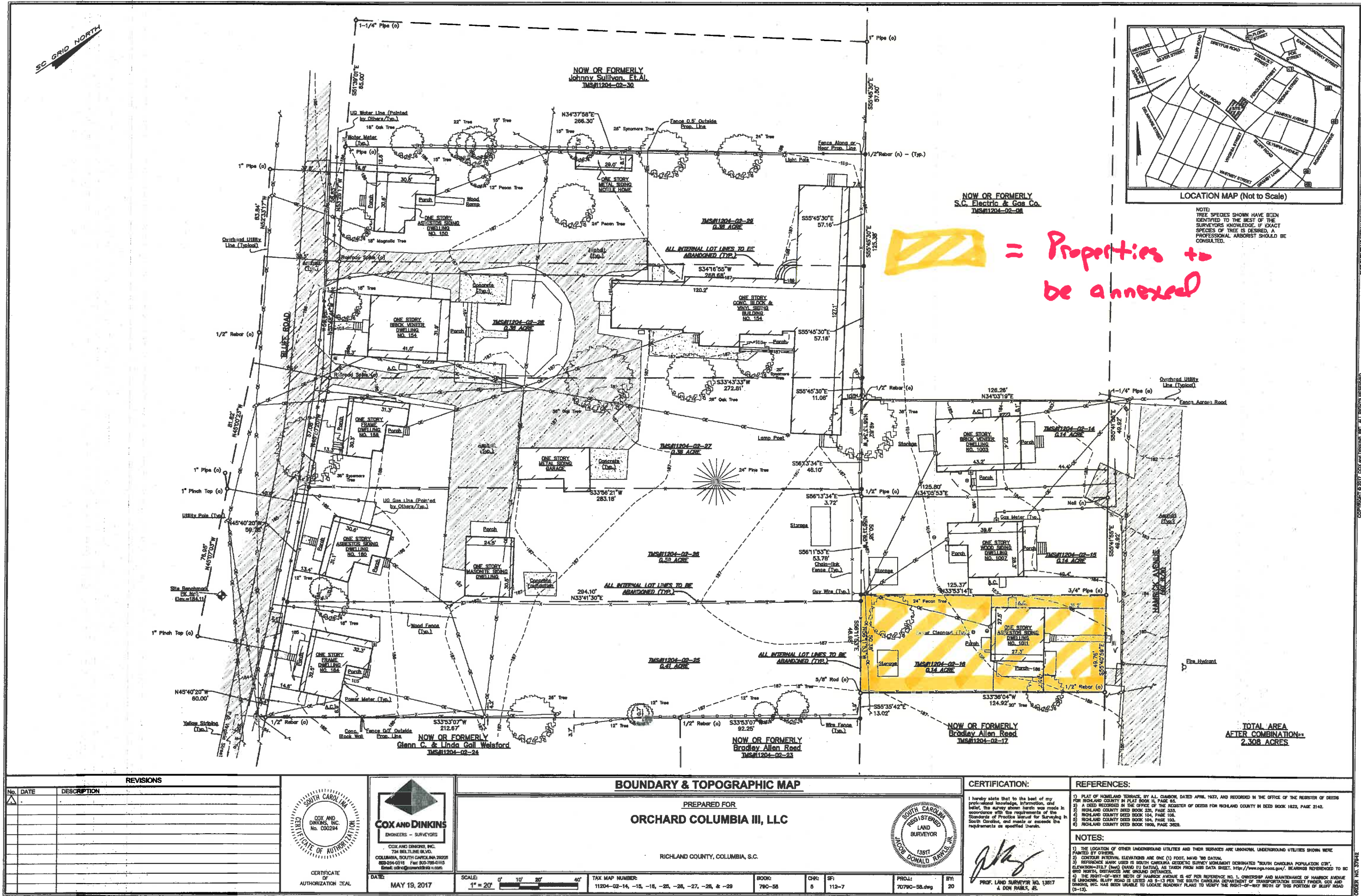
BY: 
 Signature

Date: 5/19/17

Todd Kennedy

ITS: Member

(Print or Type Name)





We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Ordinance No.: 2017-061 - Repealing encroachment
Ordinance No.: 2014-008 Granting an encroachment to
Mainstream V Lofts LLC /Capitol Places for placement of a
flame shaped steel sculpture with concrete foundation within
the sidewalk right of way area adjacent to 1644 Main Street,
Richland County TMS #09014-04-01

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** 2017-061 repeal 2014-008 encroach to Mainstream V Lofts - 1644 Main (PDF)

ORDINANCE NO.: 2017-061

Repealing encroachment Ordinance No.: 2014-008 Granting an encroachment to Mainstream V Lofts LLC /Capitol Places for placement of a flame shaped steel sculpture with concrete foundation within the sidewalk right of way area adjacent to 1644 Main Street, Richland County TMS #09014-04-01

WHEREAS, Ordinance No.: 2014-008 enacted on February 18, 2014 granted an encroachment to Mainstream V Lofts LLC /Capitol Places, for use of a portion of the sidewalk right of way area of the 1600 block of Main Street adjacent to its building at 1644 Main Street, Richland County TMS #09014-04-01, for installation and maintenance of a flame shaped steel sculpture approximately six and one-half (6' 6") feet in height and three foot three inches (3' 3") in width with a concrete foundation approximately four (4') foot square in diameter and one (1') foot in height; and,

WHEREAS, Mainstream V Lofts LLC/Capitol Places no longer desires to utilize the right of way area and has requested that Ordinance No.: 2014-008 be repealed; NOW THEREFORE,

BE IT ORDAINED by the Mayor and Council this ____ day of _____, 2017, that the privileges heretofore granted by Ordinance No.: 2014-008 Mainstream V Lofts LLC /Capitol Places for use of a portion of the sidewalk right of way area of the 1600 block of Main Street adjacent to its building at 1644 Main Street, Richland County TMS #09014-04-01, for installation and maintenance of a flame shaped steel sculpture approximately six and one-half (6' 6") feet in height and three foot three inches (3' 3") in width with a concrete foundation approximately four (4') foot square in diameter and one (1') foot in height, are hereby repealed at the property owner's request.

Requested by:

City Manager _____

MAYOR

Approved by:

City Manager

Approved as to form:

ATTEST:


Deputy City Attorney

City Clerk

Introduced:

Final Reading:

Last revised: 6/9/2017
17062723

LEGAL DEPARTMENT DRAFT



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: Legal

FROM: *Shari Ardis, Legal Office Manager*

SUBJECT: Resolution No.: R-2017-058 Support Establishing Community-wide Target of Powering the City of Columbia, South Carolina, with 100 percent Clean, Renewable Energy by 2036

FINANCIAL IMPACT:

STRATEGIC GOALS: Collaborate and partner with entities, Foster a healthy quality of life, Grow opportunities for entrepreneurship

ATTACHMENTS:

- **#a:** R-2017-058 Support 100 Percent Clean Renewable Energy by 2036 (PDF)

RESOLUTION NO.: R-2017-058

Support Establishing Community-wide Target of Powering the City of Columbia, South Carolina, with 100 percent Clean, Renewable Energy by 2036

WHEREAS, the City of Columbia seeks a healthy, sustainable future powered by 100 percent renewable energy; and,

WHEREAS, the transition to renewable energy will improve air and water quality and protect the health of our families, particularly the most vulnerable across our community; and,

WHEREAS, renewable energy represents an economic opportunity for business growth and new investments in our community; and,

WHEREAS, one out of every fifty new jobs added in the United States in 2016 was in the solar industry and the number of solar jobs in the City of Columbia increased by 46 percent from 2015 to 2016; and,

WHEREAS, renewable energy, like wind, solar, and energy efficiency, offer price stability, reduced electricity costs, and affordable solutions to Columbia residents; and,

WHEREAS, according to the Department of Energy, the cost of wind power is down 41 percent since 2008 and solar costs are down between 54 percent and 64 percent in that same period; and,

WHEREAS, individuals, families, businesses, and institutions throughout the City of Columbia seek greater energy freedom through the expansion of local and distributed energy sources like photovoltaic solar and electric vehicles; and,

WHEREAS, actions by local government and businesses are already a significant driver of renewable energy growth and can put the country on track to meet its former commitment to the Paris Agreement under the United Nations Framework Convention on Climate Change; and,

WHEREAS, the City of Columbia is committed to prioritizing equity, affordability and access for all residents of the City of Columbia to transition to 100 percent clean energy; NOW, THEREFORE

BE IT RESOLVED this ____ day of _____, 2017 that the Mayor and City Council of the City of Columbia support establishing a community-wide target of powering the City of Columbia, South Carolina, with 100 percent clean, renewable energy by 2036.

Requested by:

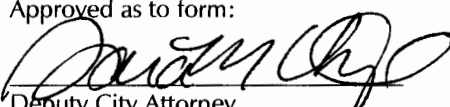
Mayor Benjamin _____

Mayor

Approved by:

City Manager

Approved as to form:


Deputy City Attorney

ATTEST:

City Clerk

Introduced:

Final Reading:



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Council Office

FROM: Elizabeth Gober,

SUBJECT: Fiscal Year 2017/2018 Accommodations Tax and Hospitality
Tax Recommendations - Ms. Libby Gober, Executive Assistant
to City Council

PRESENTER: Libby Gober, Dee Dee Fanning

FINANCIAL IMPACT:

CLEAN WATER 2020?: No

ATTACHMENTS:

- **#a:** Atax Htax Recommendations 17-18 xls (PDF)

Accommodations Tax/Hospitality Tax 2017-2018 Funding Recommendation Amounts

	Organization Name	Project	A-Tax Amount Requested	A-tax Committee Recommendations	5% A-Tax Money	H-Tax Amount Requested	H-Tax Received Last year Committee	H-Tax Total Amount Received Last Year	H-Tax Committee Recommendations	Traditionally Funded Entirely by Council	TOTAL
1	701 Center for Contemporary Art	Programs and Events/Open Studios				110,000.00	71,500.00	71,500.00	74,000.00		74,000.00
2	Animal Mission	Palmetto Peanut Boil				20,500.00	10,000.00	10,000.00	5,000.00		5,000.00
3	Ann Brodie's Carolina Ballet	Season				50,000.00	40,000.00	40,000.00	42,500.00		42,500.00
4	Auntie Karen Foundation	Legends of...				50,000.00	n/a	n/a	5,000.00		5,000.00
5	Benedict College (FA)	Harambee Festival				35,000.00	15,000.00	15,000.00	15,000.00		15,000.00
6	Benedict College	High School Championships/SIAC & Homecoming				75,000.00	4,500.00	4,500.00	4,000.00		4,000.00
7	Black Pages International	Columbia Black Expo	25,000.00	0.00		100,000.00	20,000.00	35,000.00	10,000.00		10,000.00
8	Building Better Communities	River City Fun Festival				50,000.00	n/a	n/a	0.00		0.00
9	CA Johnson Alumni Association	CA Johnson Alumni Day				2,000.00	n/a	n/a	0.00		0.00
10	Capital City Lake Murray Country Regional Tourism	Marketing and Promotion/Visitors Center	325,000.00	200,000.00							
11	Capital City Shag Club	Capital City Shag Extravaganza				8,000.00	0.00	0.00	2,500.00		2,500.00
12	Capital City Shag Club	Shaggin' on Main				25,000.00		20,000.00			0.00
13	Carolina Carillon	Holiday Parade				27,000.00	11,000.00	11,000.00	10,000.00		10,000.00
14	Carolina Marathon Association	Governor's Cup Road Race	10,000.00	0.00		7,000.00	5,000.00	5,000.00	0.00		0.00
15	Celebrate Freedom Foundation (FA)	Tunnel To Towers Run/Walk				9,950.00	3,000.00	3,000.00	0.00		0.00
16	City Center Partnership	Downtown Public Safety Plan/Main Street District				375,000.00	238,000.00	318,000.00	260,000.00		260,000.00
17	Columbia Children's Theatre	Flatbed Truck Series				2,950.00	n/a	n/a	2,000.00		2,000.00
18	Columbia Choral Society	Fall and Spring Concert				20,500.00	3,000.00	3,000.00	3,500.00		3,500.00
19	Columbia City Ballet	Season				290,000.00	105,000.00	155,000.00	173,000.00		173,000.00
20	Columbia Classical Ballet	Season				200,000.00	120,000.00	120,000.00	125,000.00		125,000.00
21	Columbia Film Society	Indie Grits Film Festival				100,000.00	65,000.00	65,000.00	70,000.00		70,000.00
22	Columbia Film Society (Year Four)	Capital Campaign x 5: 110,000 each year for five years						110,000.00		110,000.00	110,000.00
23	Columbia International Festival	International Festival	25,000.00	0.00		100,000.00	22,500.00	22,500.00	22,500.00		22,500.00
24	Columbia Museum of Art	Facility Operations, Tourism Marketing, Exhibition Support				737,590.00		716,107.00		716,107.00	716,107.00
25	Columbia Museum of Art (Year Two)	Capital Campaign x5: 100,000 yr one/two, 250,000 yr three/four, 300,000 yr five						100,000.00		100,000.00	100,000.00

Accommodations Tax/Hospitality Tax 2017-2018 Funding Recommendation Amounts

	Organization Name	Project	A-Tax Amount Requested	A-tax Committee Recommendations	5% A-Tax Money	H-Tax Amount Requested	H-Tax Received Last year Committee	H-Tax Total Amount Received Last Year	H-Tax Committee Recommendations	Traditionally Funded Entirely by Council	TOTAL
26	Columbia Music Festival Association	ARTSPACE				250,000.00		245,000.00		245,000.00	245,000.00
27	Columbia Music Festival (FA)	Columbia Hip-Hop Family Day				50,000.00	25,000.00	25,000.00	25,000.00		25,000.00
28	Columbia Music Festival (FA)	Jam Room Music Festival				109,055.00	38,500.00	38,500.00	37,500.00		37,500.00
29	Columbia Stage Society, Inc./Town Theatre	Welcome to "Town"				55,000.00	20,000.00	20,000.00	15,000.00		15,000.00
30	Columbia Township Auditorium Foundation	Township Auditorium Performance Series				100,000.00	50,000.00	50,000.00	54,000.00		54,000.00
31	Congaree Riverkeeper, Inc.	River Rocks Festival				30,000.00	20,500.00	20,500.00	25,000.00		25,000.00
32	Congaree Vista Guild	Congaree Vista Guild/Clean & Safe Program				325,000.00	250,000.00	368,000.00	260,000.00		260,000.00
33	Deckle Edge Literary Festival	Literary Festival				15,000.00	10,000.00	10,000.00	8,000.00		8,000.00
34	Devine Street Association	Event and Association Marketing				100,000.00	45,000.00	45,000.00	48,000.00		48,000.00
35	Divine Nine Foundation	Greek Explosion				19,530.00	n/a	n/a	0.00		0.00
36	Eau Claire Community Council	Eau Claire Unity Festival				69,050.00	10,000.00	10,000.00	10,000.00		10,000.00
37	EdVenture Children's Museum	Marketing & Management of Tourism Facility				575,000.00		509,850.00		509,850.00	509,850.00
38	EdVenture Children's Museum (Year Two)	Capital Campaign x 2: 125,000 each year						125,000.00		125,000.00	125,000.00
39	Engenuity SC	Southern Lights				20,000.00	n/a	n/a	7,500.00		7,500.00
40	Experience Columbia (Formerly CVB)	Tourism Marketing	2,300,000.00	1,891,000.00							
41	Famously Hot New Year	Famously Hot New Year				130,000.00		130,000.00		130,000.00	130,000.00
42	First Thursdays on Main	First Thursdays on Main				23,900.00	12,000.00	12,000.00	14,000.00		14,000.00
43	Five Points Association	Five Points Association/Clean & Safe Program				450,150.00	225,000.00	225,000.00	229,000.00		229,000.00
44	Friends of the Tapps Arts Center	Event Series				35,000.00	n/a	n/a	5,000.00		5,000.00
45	FUNDS	Annual Statewide Black History Parade & Festivities				7,500.00	5,500.00	5,500.00	5,500.00		5,500.00
46	Gamecock Alumni Broadcasters (FA)	Main Street Music Crawl				20,000.00	0.00	0.00	0.00		0.00
47	Gateway to the Army Association (Year One)	Capital Campaign x 3: 100,000 each year				500,000.00		n/a		100,000.00	100,000.00
48	Girl Scouts of SC-Mountains to Midlands Inc.	Introducing the Girl Scout Leadership Center				30,000.00	0.00	0.00	0.00		0.00
49	Greater Columbia Restaurant Association	Restaurant Week Columbia				50,000.00	40,000.00	40,000.00	40,000.00		40,000.00
50	Greater Rosewood Merchants Association	Rosewood Crawfish Festival/Low Country Boil & Craft Beer Jamboree				65,000.00	45,000.00	45,000.00	45,000.00		45,000.00
51	Greater Rosewood Merchants Association (FA)	Rosewood Arts Festival				10,000.00	5,000.00	5,000.00	5,000.00		5,000.00

Accommodations Tax/Hospitality Tax 2017-2018 Funding Recommendation Amounts

	Organization Name	Project	A-Tax Amount Requested	A-tax Committee Recommendations	5% A-Tax Money	H-Tax Amount Requested	H-Tax Received Last year Committee	H-Tax Total Amount Received Last Year	H-Tax Committee Recommendations	Traditionally Funded Entirely by Council	TOTAL
52	Harriet Hancock LGBT Center	SC Family Pride/Queer Prom				21,550.00	0.00	0.00	0.00		0.00
53	Historic Columbia Foundation	Heritage Tours and Programs				551,500.00		551,500.00		551,500.00	551,500.00
54	Historic Columbia Foundation	African American Heritage Project: Our Story Matters				175,000.00		135,000.00		135,000.00	135,000.00
55	Hollywood-Rose Hill Neighborhood Association	Homes for the Holidays Tour				6,000.00	3,000.00	3,000.00	3,000.00		3,000.00
56	Hoop-ology	Basketball Camps and Clinics				30,000.00	10,000.00	10,000.00	10,000.00		10,000.00
57	Jasper Project Inc.	Szyggy: The Solar Eclipse Plays				2,500.00	n/a	n/a	0.00		0.00
58	Know Money Inc	Miss Naturally Crowned Columbia				28,500.00	n/a	n/a	0.00		0.00
59	Leisure Fun	Calendar Contract						13,500.00		16,000.00	16,000.00
60	Lutheran Church of the Incarnation Foundation	Columbia's Original Oktoberfest				30,000.00	n/a	n/a	2,500.00		2,500.00
61	Midlands Authority for Conventions, Sports & Tourism	Sports Marketing Campaign				200,000.00	75,000.00	177,000.00	78,000.00		78,000.00
62	North Columbia Business Association	SC Cornbread Festival				75,000.00	8,500.00	8,500.00	8,500.00		8,500.00
63	Olympia Community Education Foundation, Inc.	Olympia Fest/Quarry Crusher Run				10,000.00	10,000.00	10,000.00	10,000.00		10,000.00
64	One Columbia	Arts and History 5% Monies			83,800.00						
65	One Columbia	One Columbia for Arts and History				88,000.00	0.00	83,800.00		83,800.00	83,800.00
66	Palmetto AIDS Life Support Services, Inc.	TORCH Cabaret				5,000.00	2,000.00	2,000.00	1,500.00		1,500.00
67	Palmetto Capital City Classic, Inc.	Palmetto Capital City Classic				50,000.00	22,000.00	34,000.00	15,000.00		15,000.00
68	Palmetto Concert Band	Season				3,300.00	2,000.00	2,000.00	2,000.00		2,000.00
69	Palmetto & Luna	Day of the Dead Alter and Celebration				15,000.00	5,000.00	5,000.00	5,000.00		5,000.00
70	Palmetto Mastersingers	Concert Series				12,000.00	n/a	n/a	2,000.00		2,000.00
71	Palmetto Opera	The Barber of Seville				15,000.00	2,500.00	2,500.00	2,000.00		2,000.00
72	Parks and Rec Foundation									75,000.00	75,000.00
73	Patrons and Friends of the Arts at Ebenezer, Inc.	Season				10,000.00	5,000.00	5,000.00	5,000.00		5,000.00
74	Pink & Green Community Service Foundation, Inc.	Pink Ice Gala				35,000.00	n/a	n/a	0.00		0.00
75	Renaissance Foundation (Year Four)	Capital Campaign x 10: 75,000 each year				1,174,000.00		75,000.00			0.00
76	Richard T. Greener Institute for Social Policy Research	Flying with Banning Exhibit and Related Programs				17,000.00	n/a	n/a	0.00		0.00
77	River Alliance	Operations						26,000.00		26,000.00	26,000.00

Accommodations Tax/Hospitality Tax 2017-2018 Funding Recommendation Amounts

	Organization Name	Project	A-Tax Amount Requested	A-tax Committee Recommendations	5% A-Tax Money	H-Tax Amount Requested	H-Tax Received Last year Committee	H-Tax Total Amount Received Last Year	H-Tax Committee Recommendations	Traditionally Funded Entirely by Council	TOTAL
78	Riverbanks Park Commission	Riverbankis Zoo and Garden General Advertising				85,000.00	55,000.00	55,000.00	43,000.00		43,000.00
79	Sandlapper Singers	Concert Series				5,000.00	4,000.00	4,000.00	3,500.00		3,500.00
80	Senator Isadore E. Lourie Senior Center	Lourie Center Concerts and Fall Festival				17,555.00	8,000.00	8,000.00	7,000.00		7,000.00
81	SC African American Heritage Foundation	Sister Cities Syzygy: Exploring Columbia SC ties to Columbia MS				146,410.00	n/a	n/a	0.00		0.00
82	SC Confederate Relic Room & Military Museum	SC in Vietnam 50th Anniversary Exhibit				30,000.00	n/a	n/a	0.00		0.00
83	SC Hispanic Outreach	Main Street Latin Festival				80,500.00	25,000.00	25,000.00	20,000.00		20,000.00
84	SC HIV/AIDS Council	Dining Out for Life				10,000.00	n/a	n/a	0.00		0.00
85	SC Philharmonic, Inc.	Masterworks Season				100,000.00		100,000.00		100,000.00	100,000.00
86	SC Pride Movement	Famously Hot SC Pride Festival and Parade				85,000.00	55,000.00	55,000.00	48,000.00		48,000.00
87	SC Shakespeare Company	Shakespeare in Finlay Park				25,000.00	25,000.00	25,000.00	25,000.00		25,000.00
88	SC State Museum Foundation	Tourism Campaign				100,000.00	25,000.00	25,000.00	23,000.00		23,000.00
89	Southern Guitar Festival	Southern Guitar Festival and Competition				9,000.00	5,000.00	5,000.00	5,000.00		5,000.00
90	Special Olympics South Carolina (FA)	National Collegiate Marching Band Comp.				50,000.00		10,000.00			0.00
91	Special Olympics South Carolina	Summer Games				14,071.00	5,000.00	5,000.00	5,000.00		5,000.00
92	State Agricultural and Mechanical Society of SC	SC State Fair				70,000.00	30,000.00	30,000.00	28,000.00		28,000.00
93	Sustainable Midlands	Palmetto Tasty Tomato Festival and Sustainable Holiday Celebration				23,364.00	10,000.00	10,000.00	10,000.00		10,000.00
94	Trustus Theatre	Season				60,000.00	50,000.00	50,000.00	45,000.00		45,000.00
95	USC Gamecock Club	USC Football Games				90,000.00	73,000.00	73,000.00	45,000.00		45,000.00
96	Workshop Theatre of South Carolina	Dinner and a Play				14,687.00	5,000.00	5,000.00	0.00		0.00

TOTAL

2,685,000.00 2,091,000.00 9,004,612.00 2,055,000.00 5,382,757.00 2,109,500.00 3,023,257.00 5,132,757.00

all or partial funding by council
new organizations



We Are Columbia

MEETING DATE: June 20, 2017

DEPARTMENT: City Management Office

FROM: *Teresa Wilson, City Manager*

SUBJECT: Council is asked to approve the appointment of one (1) individual to the Food Policy Committee.

FINANCIAL IMPACT:

ATTACHMENTS:

- **#a:** Food_Policy Memo 06162017 (PDF)



We Are Columbia

TO: Ms. Teresa Wilson, City Manager

FROM: Chanique J. Belton, Office of the City Manager

DATE: June 16, 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 Ms. Brenna Bernardin.

District Representation:

- District 1 – 3
- District 2 – 2
- District 3 – 8
- District 4 – 2
- Outside City Limits – 5

CURRENT MEMBERS

	<u>DATE APPOINTED</u>	<u>START</u>	<u>EXPIRES</u>
Marie Boyd 2 Governors Hill Columbia, SC 29201 District 2 Assistant Professor USC School of Law boydmc@law.sc.edu	06/13/2017	06/14/2017	06/30/2019
Rachel Barnett 300 Hampton Creek Court Columbia, SC 29209 District 3 Special Events IT-oLogy rgbarnettsc@gmail.com	06/13/2017	06/14/2017	06/30/2019
Francis Bradley 3817 Live Oak Street Columbia, SC 29205 District 4 Executive Chef Bourbon Fwbradley4@gmail.com	06/13/2017	06/14/2017	06/30/2019
Kitwanda Cyrus 219 View Drive Blythewood, SC 29016 Outside City Limits Restaurant Owner Kiki's Chicken and Waffles LLC info@kikischickenandwaffles.com	06/13/2017	06/14/2017	06/30/2019

	DATE APPOINTED	START	EXPIRES
Tracy Dixon 1117 Bradford Ridge Lane Columbia, SC 29223 Outside City Limits Director of Nutrition Services Richland One School District Tracy.dixon@richlandone.org	06/13/2017	06/14/2017	06/30/2019
Carrie Draper 3215 Makeway Drive Columbia, SC 29201 District 1 Director of Policy for the USC Nutrition Center USC School of Public Health drapercl@gmail.com	06/13/2017	06/14/2017	06/30/2019
Breanna Grant 140 Elizabeth Darby Lane Columbia, SC 29205 District 3 Health Educator DHEC grantbl@dhec.sc.gov	06/13/2017	06/14/2017	06/30/2019
Douglas Droendyke 107 Paces Brook Ave. Apt. 713 Columbia, SC 29212 District 1 Food Sourcing Coordinator Harvest Hope Food Bank dgroendyke@harvesthope.org	06/13/2017	06/14/2017	06/30/2019

	DATE APPOINTED	START	EXPIRES
Ashley Hutto 109 Lawrence Road West Columbia, SC 29170 Outside City Limit Nutrition Lab Educator/Chef EdVenture Children's Museum ahutto@edventure.org	06/13/2017	06/14/2017	06/30/2019
Namita Koppa 1515 Laurel Street Apt. B Columbia, SC 29201 District 2 Assistant Director-USC Office of Sustainability USC Namita.koppa@gmail.com	06/13/2017	06/14/2017	06/30/2019
Robert McClam 2727 Duncan Street Columbia, SC 29205 District 3 Organic Farmer City Roots, LLC Robbie.mcclam@gmail.com	06/13/2017	06/14/2017	06/30/2019
Robert Moore 4024 Yale Avenue Columbia, SC 29205 District 3 Sales Manager/Buyer Senn Brothers Produce sennproduce@gmail.com	06/13/2017	06/14/2017	06/30/2019

	DATE APPOINTED	START	EXPIRES
John Newman 1401 Fairview Drive Columbia, SC 29205 District 3 Principal John M. Newman Planning john@hohnmnewmanplanning.com	06/13/2017	06/14/2017	06/30/2019
Ashley Page 2607 Cypress Street Columbia, SC 29205 District 3 End Child Hunger SC Community Organizer USC pagea@mailbox.sc.edu	06/13/2017	06/14/2017	06/30/2019
Lee Paterson 1224 Candlewood Drive Hopkins, SC 29061 Outside City Limits Social Work Program-Coordinator Richland Library lpatterson@richlandlibrary.com	06/13/2017	06/14/2017	06/30/2019
Christina Spach 502 Sims Avenue Columbia, SC 29205 District 3 National Good Food Purchasing Coordinator Food Chain Workers Alliance cfreespach@gmail.com	06/13/2017	06/14/2017	06/30/2019

	DATE APPOINTED	START	EXPIRES
Laura Stepp 1024 Darlington Street Columbia, SC 29201 District 1 Dietitian Lexington Medical Center lastepp@lexhealth.org	06/13/2017	06/14/2017	06/30/2019
Amy Weaver 759 Kipling Drive Columbia, SC 29205 District 4 SC Farm to Institution Director DHEC weaverat@dhec.sc.gov	06/13/2017	06/14/2017	06/30/2019
Beverly Wilson 116 S. Waccamaw Avenue Columbia, SC 29205 District 3 Executive Director FoodShare Beverly.wilson@uscmed.sc.edu	06/13/2017	06/14/2017	06/30/2019
Todd Woods 140 Century Drive Columbia, SC 29212 Outside City Limits Chef The Oak Table twood@theindigoroad.com	06/13/2017	06/14/2017	06/30/2019