

Attestation of Non-Double Counting

Created by Duke Carbon Offsets Initiative for use by the Offset Network

The undersigned, on behalf of [Virginia Commonwealth University Office of Sustainability] (the "Project Developer"), in connection with [Carver Community Urban Forestry Offset Program] (the "Project"), hereby attests to the Offset Network and Second Nature, as of the date set forth below, a commitment to uphold the integrity of the Project as follows:

1. For purposes hereof, the Project Developer(s) shall be considered the entity or entities executing the project; this can include, but is not limited to, a collaboration between a university and a for-profit business. The Project Developer holds free of any lien, charge or other encumbrance, legal title to and all ownership rights in the reduction (the "Project Verified Emissions Reductions" or "Project VERs"). The Project Developer shall not retire or knowingly attempt to retire any portion of the Project VERs more than once. At the time of retirement, each VER will only be held by one entity.
2. Project Developer shall not take or claim, or attempt to take or claim, any form of credit, allowance, allocation or benefit (including any claims made in any public forum or through any media) from the generated Project VERs except upon VER retirement, in which case each Project VER will only be counted once. In projects with multiple Project Developers, all parties shall adhere to chain of custody agreements for project VERs set forth in the Project Description Document (the "PDD") to reduce the risk of double counting.
3. No Project VERs will be registered with, or held, transferred or retired via any emissions Greenhouse Gas (GHG) Program other than the Offset Network, and shall only be registered with Offset Network under a single project. Reporting is only acceptable when organizations accept and allow Peer Reviewed and Innovative Offsets that utilize Peer Verification to qualify. The Project Developer will not undertake any fraudulent actions or provide any knowingly false information during the retirement of Project VERs or reporting of GHG footprints.
4. To increase the project legitimacy and reach carbon offset marketability projects may seek to apply a project to another GHG Program provided that: projects notify Offset Network of their intent to apply to another GHG Program prior to application, an end date for generating Offset Network offset credits is specified, and acknowledging that VERs, whether retired, held, claimed or credited by the Project Developer, may not be transferred from Offset Network to the other GHG Program.
5. The undersigned is a duly qualified and current acting official for the Project Developer, holding the title indicated on the signature page hereof, and is expressly authorized to execute and deliver this Attestation on behalf of the Project Developer, thereby rendering the Attestation binding for the Project Developer.

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The Project Developer agrees to adhere to the stipulations put forth in this document and to consult members of the Offset Network if they identify a potential risk of double counting.

The undersigned has(ve) executed this Attestation on behalf of the Project Developer(s) this [19th] day of [December], 20[18].

1st Project Developer

Signature: 

Name: Erin Stanforth

Title: Director of Sustainability

Organization: Virginia Commonwealth University

Address: 201 N Belvidere Street, Richmond, VA, 23220

2nd Project Developer (fill as needed)

Signature: _____

Name:

Title:

Organization:

Address:

3rd Project Developer (fill as needed)

Signature: _____

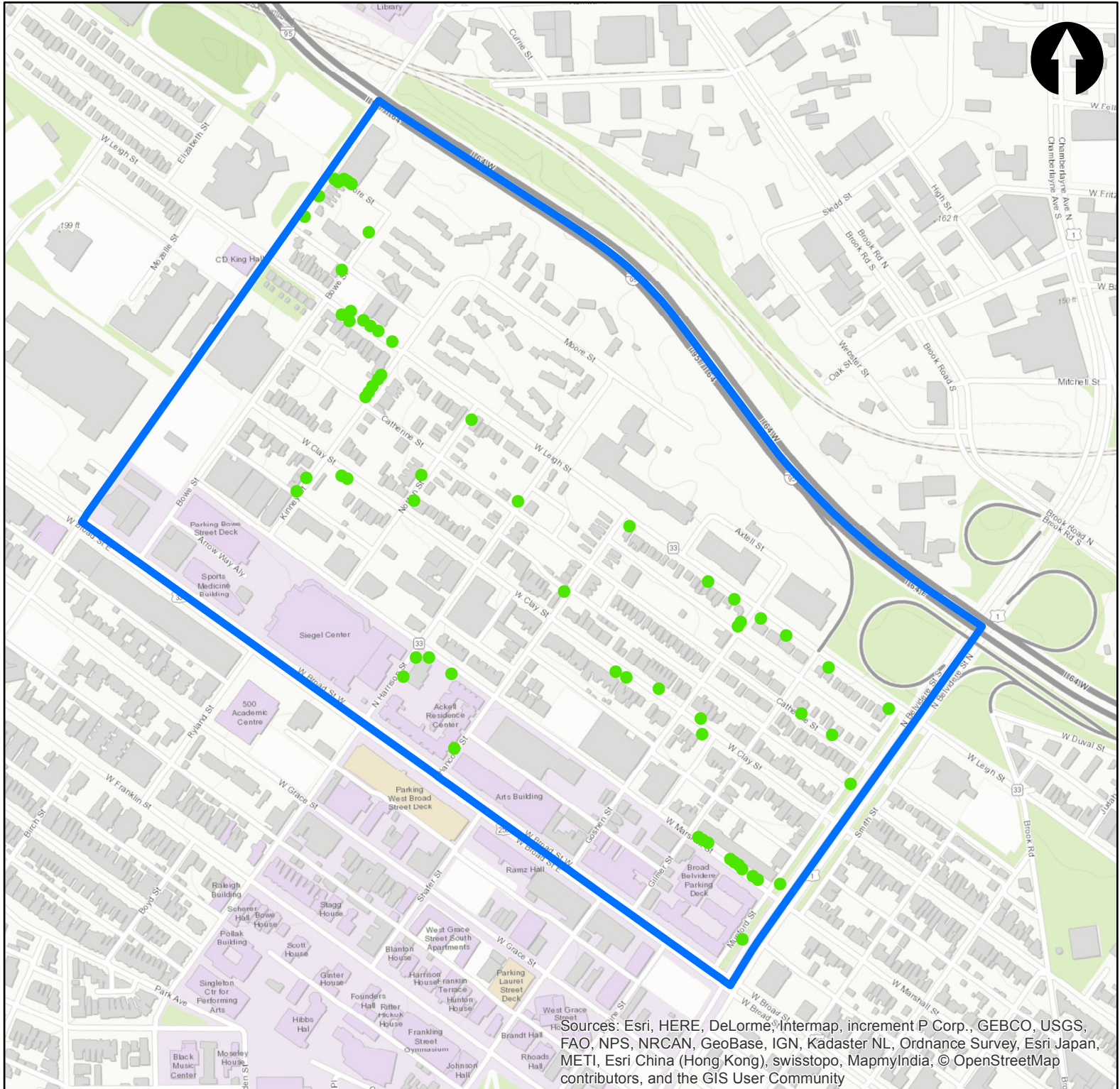
Name:

Title:

Organization:

Address:

Figure 1 - Site Plan



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend

- Carver Boundary
- Planting Locations



This data was produced from the i-Tree Planting Calculator version 1.2.0 for Richmond

Group Iden	Tree Group Charac	CO2 Avoided	CO2 Avoided (\$)	CO2 Sequestered (lbs)	CO2 Sequestered (\$)	Electricity Saved (kWh)
1	(7) Serviceberry, D	#####	(\$345.69)	1,309.30	\$30.45	2,190.00
2	(6) Redbud, Easter	#####	(\$330.99)	533.5	\$12.41	2,131.30
3	(6) Yellowwood (C	#####	(\$335.83)	13,075.00	\$304.08	13,461.10
4	(5) Hornbeam, Am	#####	(\$319.92)	4,756.90	\$110.63	3,570.90
5	(5) Tupelo, Black (I	-8,231.00	(\$191.43)	31,268.00	\$727.20	15,368.20
6	(4) Sweetbay (Mag	#####	(\$242.15)	6,052.00	\$140.75	5,234.40
7	(4) Tree, Fringe (Ch	#####	(\$263.77)	544.9	\$12.67	2,653.60
8	(5) Birch, River (Be	-8,435.90	(\$196.19)	54,462.40	#####	15,716.80
9	(3) Hophornbeam,	-6,349.00	(\$147.66)	2,207.20	\$51.33	7,387.30
10	(2) Coffeetree, Ken	-4,429.30	(\$103.01)	7,900.90	\$183.75	3,978.00
11	(2) Persimmon, Cc	-4,044.90	(\$94.07)	6,494.40	\$151.04	3,561.80
12	(2) Oak, Swamp w/	-3,298.00	(\$76.70)	36,360.10	\$845.62	6,330.40
13	(1) Tree, Snowdro	-2,462.20	(\$57.26)	851.3	\$19.80	1,352.20
14	(1) Apple (Malus sp	-2,043.90	(\$47.53)	8,663.70	\$201.49	289.1
15	(1) Dogwood, Flov	-2,688.80	(\$62.53)	2,709.30	\$63.01	618.1
16	(1) Dogwood, Kou	-1,951.10	(\$45.38)	294.2	\$6.84	294.3
17	(1) Linden, Littlele	-2,289.60	(\$53.25)	4,646.40	\$108.06	1,076.00
18	(1) Maple, Red (Ac	-463.5	(\$10.78)	6,399.50	\$148.83	5,583.40
19	(1) Tree, Tulip (Liri	11.2	\$0.26	12,666.10	\$294.57	6,213.40
			Total (lbs)	201,195.10		
			Total (Tons)	100.59755		
			Tons per year	2.51493875		

Electricity Cost	Fuel Saved	Fuel Saved	Tree Bioma	Rainfall Int	Avoided Ru	Avoided Ru	O3 Remove	NO2 Avoid
\$244.31	-99.7	#####	0.3	56,641.40	14,514.20	\$129.70	26.6	-2.8
\$237.76	-95.7	#####	0.1	48,285.20	12,373.00	\$110.56	24.3	-2.6
#####	-169.9	#####	3	#####	32,788.40	\$293.00	77.4	-2.7
\$398.36	-102.3	#####	1.1	#####	26,017.40	\$232.49	59.5	-2.6
#####	-146.5	#####	7.1	#####	48,109.70	\$429.91	123.7	-1.5
\$583.94	-93.7	#####	1.4	88,523.20	22,683.90	\$202.70	71.9	-1.9
\$296.03	-82.4	#####	0.1	28,951.00	7,418.60	\$66.29	16.3	-2.1
#####	-149.9	#####	12.6	#####	60,532.00	\$540.91	130.4	-1.6
\$824.11	-84.2	#####	0.5	48,561.60	12,443.80	\$111.20	30.5	-1.2
\$443.77	-51.2	(\$690.27)	1.8	39,131.20	10,027.30	\$89.60	27.2	-0.8
\$397.35	-46.3	(\$624.20)	1.5	42,225.20	10,820.10	\$96.69	27.3	-0.8
\$706.20	-59.8	(\$806.97)	8.3	#####	27,449.80	\$245.29	48.8	-0.6
\$150.85	-22.9	(\$308.99)	0.2	17,773.50	4,554.40	\$40.70	11	-0.5
\$32.25	-13.6	(\$184.00)	2	25,336.30	6,492.40	\$58.02	15.4	-0.4
\$68.95	-19.5	(\$262.74)	0.6	27,195.30	6,968.70	\$62.27	16.3	-0.5
\$32.83	-13.1	(\$177.24)	0.1	12,971.70	3,324.00	\$29.70	7	-0.4
\$120.04	-20.1	(\$271.54)	1.1	28,011.70	7,177.90	\$64.14	20.2	-0.4
\$622.88	-38.7	(\$521.69)	1.5	42,775.20	10,961.10	\$97.95	28.1	-0.1
\$693.15	-40	(\$539.60)	2.9	52,943.00	13,566.50	\$121.23	32.5	0

NO2 Remov	SO2 Avoide	SO2 Remov	VOC Avoide	PM2.5	PM2.5	Removed (poun
2.7	-41.9	1.6	-0.5	0.9	0.8	
2.5	-40.1	1.5	-0.4	0.8	0.8	
8.2	-40.7	4.6	-0.5	5.8	3.2	
6.3	-38.8	3.5	-0.4	1.5	2.3	
13.3	-23.2	7.3	-0.3	6.7	5.6	
7.9	-29.3	4.2	-0.3	2.2	4.1	
1.7	-32	1	-0.4	1.1	0.6	
13.7	-23.8	7.8	-0.3	6.9	5	
3.2	-17.9	1.8	-0.2	3.2	1.3	
2.9	-12.5	1.6	-0.1	1.7	1.3	
2.9	-11.4	1.6	-0.1	1.5	1.2	
5	-9.3	2.9	-0.1	2.8	1.6	
1.2	-6.9	0.6	-0.1	0.6	0.5	
1.6	-5.8	0.9	-0.1	0.1	0.6	
1.7	-7.6	1	-0.1	0.3	0.7	
0.7	-5.5	0.4	-0.1	0.1	0.2	
2.2	-6.5	1.2	-0.1	0.5	1	
3	-1.3	1.7	0	2.5	1.3	
3.5	0	1.9	0	2.7	1.5	