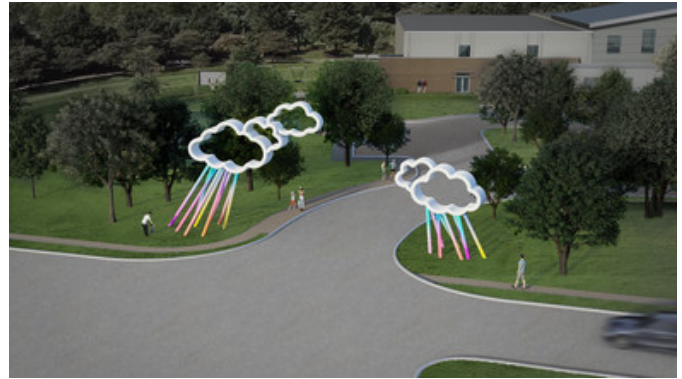


**City of Richmond, Virginia****Finalists for the Southside Community Center Stormwater Garden Art Project**

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Submitted: May 25 2023 10:00PM

## Southside Community Center Phase 2 Round 2

### 1. Describe the exact location where you propose siting your installation.

RAINDROP is designed for the entrance of the Southside Community Center Stormwater Garden in Richmond, Virginia. The two sculptures will be installed on both sides of the entrance road and will welcome visitors. The sculpture on the west will be 28 feet tall and the one on the east will be 18 feet tall. These two sculptures slightly lean towards each other so they create an inviting character like an archway. The sculpture set will allow overhead clearance, 14 feet high, which is the state regulation in Virginia. Any vehicle will be able to pass through without issues.

My proposal for the installation site is for the current site information that I have. However, this sculpture also can be installed together in other spots in the park if there are any technical difficulties. Determining if the two sculptures should be combined as one set, or installed separately can be sorted out in the preliminary design phase with community and Committee input.

### 2. Describe you design concept.

RAINDROP will be made up of two sets of 28 feet tall and 18 feet tall installations, consisting of cloud shapes sitting on multi-colored pipes, which will evoke rain falling from the clouds. It has been designed for the entrance of the Southside Community Center Stormwater Garden in Richmond, Virginia, where the installation will welcome visitors.

The sculpture will visualize the water cycle by representing the shape of clouds and rain. The artwork will be installed right next to the ponds on both sides of the entrance area in the park. Visitors will be able to walk through the archway and experience the installation intimately. People who drive by Old Carnation Street will also see the sculpture, even from a distance. With its large-scale presence, the artwork will create a strong identity for the Southside Community Center Stormwater Garden.

RAINDROP is a whimsical landmark for its Richmond neighborhood. Richmond has implemented several management practices to mitigate the impacts of stormwater runoff, including flooding, erosion, and pollution. The sculpture emulates the water cycle and represents human efforts to manage water resources in a nature-friendly way.

There will be one bio-retention pond and two detention ponds at the entrance area of the Southside Community Center that will be planted with native vegetation to capture rainwater and allow it to infiltrate into the soil. By illustrating the water cycle on-site next to the three ponds, RAINDROP attempts to turn the invisible - how water evaporates, condenses, precipitates, and is collected in various forms such as clouds, rain, ponds, rivers, and oceans - into the visible, and share these stories in an artistic way. It highlights the way that clouds, rain, and ponds at this exact site are all connected.

Rain enables life by providing water for agriculture, industry, and hygiene. The sculpture celebrates the rain with festive, colorful themes where the pipes meet the ground. The sculpture will be installed at the entrance as a metaphor for how the Stormwater management system receives this rain and processes it.

RAINDROP will provide a unique experience. Visitors will be able to see the sculpture from the street and then will pass under the archway. The outlines of the sculpture's clouds also frame the sky, trees, and fields that make this location so attractive. The sculpture will welcome visitors, and passers-by, improving the entranceway with a narrative about water. People will be able to take photographs in front of this new landmark, and kids can play between the raindrops and explore the ponds!

### 3. Describe your installation plan.

#### PRODUCTION SCHEDULE:

July 1 - Sep 1, 2023

Contract Execution: Community Engagement Workshops, Design Development, and Engineering, Site Survey, Finalize Budget

Sep 1, 2023 - Nov 1, 2023

Fabrication: Creating Model and Material Procurement

Nov 1, 2023 - Feb 1, 2024

Fabrication: Cutting / Vending / Welding

Feb 1 - Mar 1, 2024

Fabrication: Assembly

Mar 1 - Apr 1, 2024

Fabrication: Paint

Apr 1 - May 1, 2024

Fabrication: Final Finishing, Crate, and Ship

Site-work

May 1, 2024

Installation on site

1. COMMUNITY ENGAGEMENT WORKSHOPS: Working with different community organizations. The artist will work with different age groups, sharing information with them about water cycles and stormwater management practices. The artist will get feedback about the artwork's preliminary design from the community.

#### 2. FABRICATION:

?Documents: prepare drawings and 3d file development, notes, and technical specs; produce drawings and files for engineer review, redline, and stamp; submit drawing packet to the city for use in final approvals and permit application; prepare documents for distribution for construction.

?Size: approx. 34' x 10' x 28' and 18' x 10' x 18'

?Material: RAINDROP will be fabricated with mild steel structures. Weep holes will be added to the sculptures.

?Vending, cutting, and welding.

?Paint: RAINDROP will be painted with Matthew's three-part paint system so that it is easy to maintain and repair, and is safe and sustainable. An anti-graffiti coat will be applied.

? Three-part paint system information:

-Matthews Paint epoxy primer

-Matthews Paint Satin Base custom paint

-Matthews Paint Satin Clear will be applied as a protective coating.

<https://www.matthewspaint.com/getmedia/afa62b3f-54cb-4b32-b3b2-ec1b12db5f71/MPC340-product-overview-guide.pdf.aspx>

(Tnemec paint is also an option).

?Sub-contractors: I have been working with the fabricator, Junoworks, before so I am confident about the fabricator's reliability and professionalism. I'm also open to work with local a fabricator in Virginia for an option to reduce the environmental and transportation costs.

#### 3. TRANSPORTATION:

?Crate and pack all parts for overland travel from the fabrication shop to the site in Richmond

?Identify and hire transport

?Transport to be dedicated load

?Logistics for the installation crew to travel for installation

#### 4. INSTALLATION:

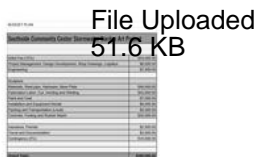
?Base, footing, and anchor bolts: the concrete base will be created by a local contractor.  
 ?Landscape: the base will be covered with green-colored rubber mulch so it looks like grass from a distance.  
 ?Secure site regarding site safety requirements  
 ?Unload transport and stage parts for assembly  
 ?Set and assemble the baseplate and structure for the sculpture  
 ?Assemble  
 ?Clean the site of all debris  
 ?Closeout

**4. Describe the community engagement process you plan to incorporate.**

For community engagement, I propose a series of collaborative water cycle drawing workshops with the community in Richmond. We will create signage or posters that can be relevant to the artwork and the stormwater retention and detention ponds. Community members of all ages can draw the images and diagram the water cycle to learn how the water is managed through stormwater management practices. In this way, I believe the artwork can play a role to celebrate responsible stormwater management and give its community the meaning and context behind the artwork in the Southside Community Center's Stormwater Garden.

During this community engagement process, I also want to use this opportunity to get feedback on the preliminary design proposal of the artwork for the parts of color, shape, and size so community members can participate in the pre-planning and design of the work. A successful public art piece provides a stake in the work for its community members. Thus, I believe this collaborative workshop process will give the public pride in being part of the process. I'm open to participating in multiple workshops with different age groups and collaborating with different local organizations at the site.

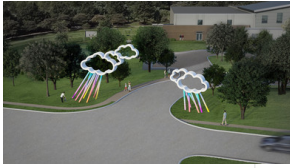
**5. Attach a detailed budget (not to exceed \$200,000).**



**6. Describe anticipated maintenance requirements.**

I chose galvanized mild steel and three parts paint system for the design due to the robust nature of the materials. So, maintenance will be very simple and easy. It is required to clean the painted steel by low-power washing with water every 3-5 years. The final coat is recommended to be inspected every 10 years. The steel pipes touching the ground will be galvanized to be rust-proof from weather conditions.

## Media



### "Raindrop"

Year: 2023  
Material: Render Image  
Size:



### "Raindrop"

Year: 2023  
Material: Render Image  
Size:



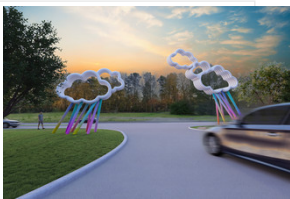
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Year: 2023  
Material: Render Image  
Size:



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Year: 2023  
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Size:



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Year: 2023  
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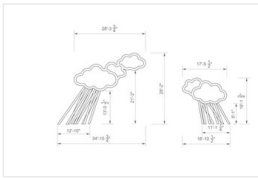
### "Raindrop"

Year: 2023  
Material: Render Image  
Size:



### "Raindrop"

Year: 2023  
Material: Render Image  
Size:

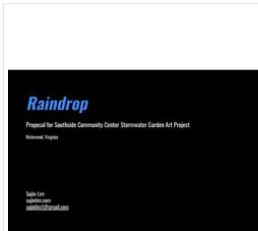


## "Raindrop"

Year: 2023

Material: Dimension

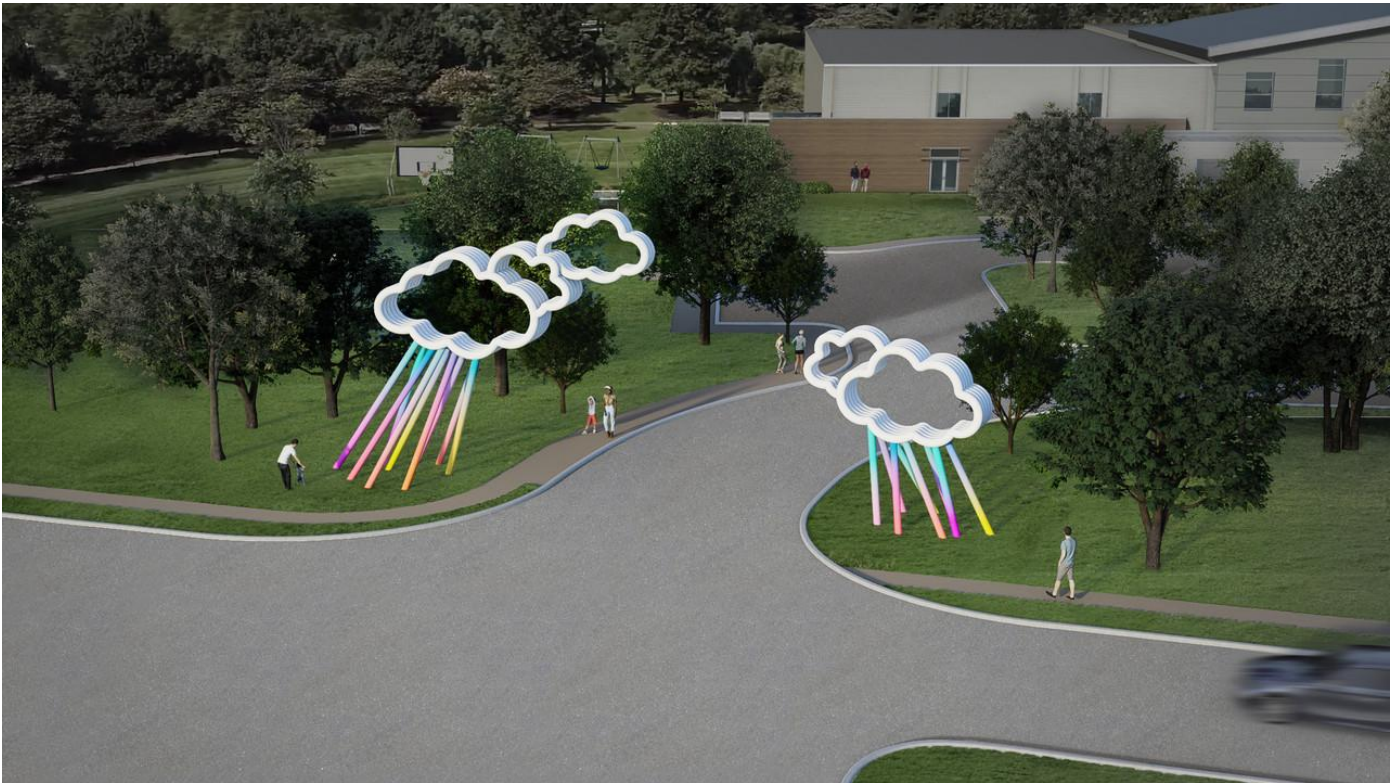
Size:



## "Raindrop Proposal"

(Document)

Project Proposal PDF file



"Raindrop"



"Raindrop"



"Raindrop"



"Raindrop"



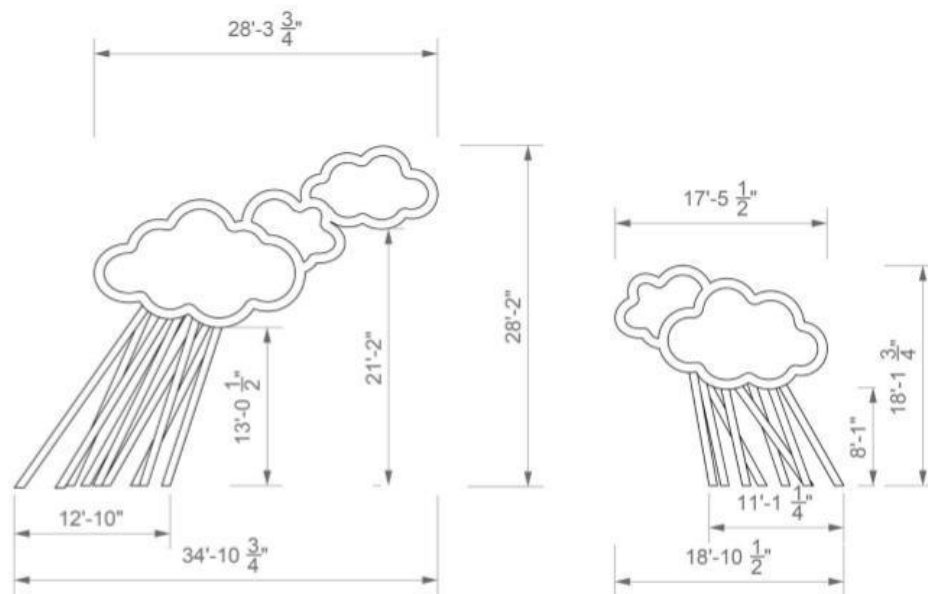
"Raindrop"



"Raindrop"



"Raindrop"



"Raindrop"