

INTRODUCED: June 2, 2025

AN ORDINANCE No. 2025-125

To authorize the Chief Administrative Officer, for and on behalf of the City of Richmond, to execute a City of Richmond Grant Contract between the City of Richmond and the James River Association for the purpose of implementing green infrastructure practices to increase stormwater detention as part of the Greening Richmond Public Libraries project at the Ginter Park Branch.

Patron – Mayor Avula

Approved as to form and legality
by the City Attorney

PUBLIC HEARING: JUN 23 2025 AT 6 P.M.

THE CITY OF RICHMOND HEREBY ORDAINS:

§ 1. That the Chief Administrative Officer, for and on behalf of the City of Richmond, be and hereby is authorized to execute a City of Richmond Grant Contract between the City of Richmond and the James River Association for the purpose of implementing green infrastructure practices to increase stormwater detention as part of the Greening Richmond Public Libraries project at the Ginter Park Branch. The City of Richmond Grant Contract shall be approved as to form by the City Attorney and shall be substantially in the form of the document attached to this ordinance.

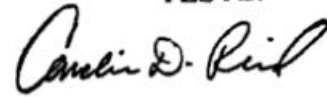
AYES: 8 NOES: 0 ABSTAIN:

ADOPTED: JUN 23 2025 REJECTED: STRICKEN:

§ 2. This ordinance shall be in force and effect upon adoption.

A TRUE COPY:

TESTE:

A handwritten signature in cursive script, appearing to read "Camille D. Reed".

City Clerk

City of Richmond

Intracity Correspondence

O&R Transmittal

DATE: April 22, 2025

TO: The Honorable Members of City Council

THROUGH: The Honorable Dr. Danny Avula, Mayor

THROUGH: Sabrina B. Joy-Hogg, Interim Chief Administrative Officer

THROUGH: Sheila White, Director of Finance

THROUGH: Meghan Brown, Director of Budget & Strategic Planning

THROUGH: Scott Morris, DBA, P.E., Director of Public Utilities

FROM: Billy Vaughan, Deputy Director Senior, Department of Public Utilities

RE: TO AUTHORIZE THE CHIEF ADMINISTRATIVE OFFICER TO EXECUTE
A CITY OF RICHMOND GRANT CONTRACT BETWEEN THE CITY OF
RICHMOND AND THE JAMES RIVER ASSOCIATION IN THE AMOUNT
OF \$154,917.00 FOR THE PURPOSE OF IMPLEMENTING GREEN
INFRASTRUCTURE PRACTICES TO INCREASE STORMWATER
DETENTION AS PART OF THE GREENING RICHMOND PUBLIC
LIBRARIES PROJECT AT THE GINTER PARK BRANCH

ORD. OR RES. No. _____

PURPOSE: To authorize the Chief Administrative Officer, for and on behalf of the City of Richmond, to execute a City of Richmond Grant Contract between the City of Richmond and the James River Association in the amount of \$154,917.00 for the purpose of implementing green infrastructure practices to increase stormwater detention as part of the Greening Richmond Public Libraries project at the Ginter Park Branch in Richmond's 3rd City Council District (the "Project").

BACKGROUND: The Urban Design Committee recommended the Project for approval on June 6, 2024, and the Planning Commission approved the Project location, character, and extent on June 18, 2024. Significant community engagement has led to the design of a Project that embod-

ies the Ginter Park community's and library branch patrons' wants and needs. Green infrastructure elements to be installed include permeable pavers, bioretention basins, trees, and native plants which will improve water quality and reduce flooding risks and urban heat island effects, while also creating accessible paths from the sidewalks on Brook Road and Westbrook Avenue to the Ginter Park Branch library's entrance and beautifying the neighborhood and the Ginter Park Branch grounds.

The Ginter Park Branch is the sixth branch to be enhanced as part of the James River Association's ongoing Greening Richmond Public Libraries project which improves stormwater management on library grounds, installs native plantings, positions bilingual educational signage on-site, and simultaneously brings water quality improvements to stormwater runoff, local tributaries, including Horse Creek and the Chickahominy River in the case of the Ginter Park Branch, and the James River. Most recently, improvements were made at the East End Branch. Prior to that, green infrastructure practices were installed at the Broad Rock, North Avenue, and West End Branch library locations, and the Westover Hills Branch was the first library location to see stormwater bioretention facilities installed and native species planted. All locations have been, and continue to be, monitored and maintained under the partnership and coordination of the James River Association, Richmond Public Library, Four Winds Design, volunteers, SOAR365, and additional contractors, and each location has its own site-specific manual for the maintenance of the green infrastructure installations.

The entire \$154,917.00 Grant Contract amount will be paid from the Stormwater Utility Fund. Additionally, the James River Association has more than \$254,929.80 in funding from non-City organizations for the Project. The Grant Contract, in pertinent part, requires the James River Association to: (1) install certain stormwater green infrastructure practices; and (2) report on associated water quality improvement metrics in relation to the RVA Clean Water Plan. The James River Association and the Richmond Public Library, either with the help of volunteers or through a contractor, will monitor and maintain the installed green infrastructure practices referring to the site-specific maintenance manual for the Ginter Park Branch.

COMMUNITY ENGAGEMENT: The James River Association and its partners, including Richmond Public Library, Four Winds Design, the Department of Public Utilities, and SOAR365, have continually engaged with the Ginter Park community and Ginter Park Branch

patrons regarding the Project and the community's goals since early 2024. Outreach efforts have included:

- Informational flyers distributed to residences near the Ginter Park Branch and also posted in the library throughout the Project's duration, beginning in early 2024 to highlight opportunities available in February and March of 2024, including a February 21, 2024 public meeting and a questionnaire, to offer feedback on the Project's design;
- A February 6, 2024 press release sent by the James River Association, and associated press coverage including from RICtoday on February 7, 2024, Good Morning, RVA on February 21, 2024, and the Virginia Department of Environmental Quality's March 14, 2024 email newsletter, to help broadly raise awareness of the Project, and share avenues for feedback including the February 21, 2024 public meeting and the questionnaire;
- A February 13, 2024 email newsletter to the James River Association's subscribers which provided information on the Project and a link to the questionnaire;
- A February 20, 2024 email newsletter to the James River Association's subscribers which provided information on the Project and information about the February 21, 2024 public meeting;
- A public meeting held to solicit input at the Ginter Park Branch on February 21, 2024 at 6:00 pm;
- A ten-question questionnaire, available both online and in-print at the Ginter Park Branch, that received 42 responses to help inform the design of the Project;
- Email updates sent by the Project team to attendees of the February 21, 2024 public meeting and questionnaire respondents throughout the Project;
- A conceptual application presentation to the City of Richmond's Urban Design Committee on May 9, 2024 and a final application presented on June 6, 2024, both of which were recommended for approval and which subsequently went to, and were approved by, the City of Richmond's Planning Commission on May 21, 2024 and June 18, 2024, respectively;
- The installation of indoor and outdoor Project signage posted onsite at the Ginter Park Branch, with flyers available for visitors, patrons, and passersby;

- Community planting events held on November 15, 2024, February 28, 2025, March 20, 2025 and March 21, 2025 to engage patrons, volunteers, and the surrounding Ginter Park neighborhood with the Project and its green infrastructure and native plant installations;
- A rain barrel workshop held at the Ginter Park Branch on March 13, 2025 in which 13 individuals participated;
- The installation of storm drain art featuring Ripple the Richmond Public Library otter mascot on top of the storm drains adjacent to the Ginter Park Branch and across the street at the intersection of Brook Road and Westbrook Avenue;
- Project information and updates have been and will continue to be posted on social media channels via the James River Association, Richmond Public Library, and RVAH2O accounts; and
- Project information has been made available on [the Greening Richmond Public Libraries webpage](https://thejamesriver.org/greening-richmond-public-libraries/) (<https://thejamesriver.org/greening-richmond-public-libraries/>) since the Project's inception, including links to the results from the questionnaire, the Project's plans, volunteer opportunities and ways to get involved, and contact information. [The RVAH2O website](http://www.rvah2o.org/city-projects) (www.rvah2o.org/city-projects) also directs interested visitors to the Project webpage.

STRATEGIC INITIATIVES AND OTHER GOVERNMENTAL: The Project supports the green infrastructure, native plant, and tree canopy goals of the RVA Clean Water Plan and aligns with RES. 2023-R005 to adopt the City of Richmond RVAgreen 2050: Climate Equity Action Plan 2030 as the official sustainability plan for the City of Richmond. Specifically, the Project helps to achieve RVAgreen 2050: Climate Equity Action Plan 2030 Environment Objective 1: Make sure all residents have the opportunity to engage with healthy natural resources, spaces, and biodiversity.

The Urban Design Committee recommended the Project for approval on June 6, 2024, and the Planning Commission approved the Project location, character, and extent on June 18, 2024.

FISCAL IMPACT: By executing this Grant Contract, the Stormwater Utility will distribute \$154,917.00 to implement green infrastructure practices to increase stormwater detention.

DESIRED EFFECTIVE DATE: Upon adoption

REQUESTED INTRODUCTION DATE: May 27, 2025

CITY COUNCIL PUBLIC HEARING DATE: June 23, 2025

REQUESTED AGENDA: Consent Agenda

RECOMMENDED COUNCIL COMMITTEE: Land Use, Housing, and Transportation
(June 17, 2025)

AFFECTED AGENCIES: Department of Public Utilities; Finance Department; Budget and Strategic Planning

RELATIONSHIP TO EXISTING ORD. OR RES.: None

ATTACHMENTS: City of Richmond Grant Contract between the City of Richmond and the James River Association

STAFF: Billy Vaughan, Deputy Director, DPU – (804) 646-5232

Bill Boston, CIP Program Manager, DPU – (804) 646-8161

**CITY OF RICHMOND
GRANT CONTRACT**

THIS GRANT CONTRACT (the “Contract”) is made and entered into on this ____ day of _____, 2025 by and between the CITY OF RICHMOND, VIRGINIA, (the “City”), a municipal corporation and political subdivision of the Commonwealth of Virginia, and the JAMES RIVER ASSOCIATION, a Virginia non-stock corporation (the “the Recipient”).

RECITALS

WHEREAS, Section 15.2-953(B)(vi) of the Code of Virginia authorizes the City to make gifts and donations to non-profit associations “furnishing services to beautify and maintain communities or to prevent neighborhood deterioration;”

WHEREAS, the City operates, among other branches of the Richmond Public Library system, a library branch at 1200 Westbrook Avenue, Richmond, Virginia 23227 (the “Ginter Park Branch”);

WHEREAS, the City desires to utilize green infrastructure practices to improve stormwater management at the Ginter Park Branch as part of the Recipient’s Greening Richmond Public Libraries Project (the “Project”);

WHEREAS, the City and the Recipient have undertaken activities in furtherance of the Project;

WHEREAS, the Project is funded by an Innovative Nutrient and Sediment Reduction Grant from the National Fish and Wildlife Foundation in the amount of \$186,000.00, by a Virginia Department of Environmental Quality Section 319(h) Grant in the amount of \$55,000.00, by a Virginia Department of Forestry Virginia Trees for Clean Water Grant in the amount of \$11,929.80, and by the City of Richmond Department of Public Utilities Stormwater Utility in the amount of \$154,917.00;

WHEREAS, the Recipient has formed a partnership with the City and other organizations and has secured more than \$254,929.80 in funding from sources other than this Contract for the Project; and

WHEREAS, the City desires to donate \$154,917.00 (the “Grant Funds”) to the Recipient to undertake the activities contained herein in furtherance of the Project.

NOW, THEREFORE, the City and Recipient, intending to be legally bound, agree as follows:

1. Contact Information.

A. The City's point of contact for purposes of the Contract is:

Jenn Clarke
Program and Operations Supervisor
Department of Public Utilities

1801 Commerce Road
Richmond, Virginia 23224
(804) 646-8131
jenn.clarke@rva.gov

- B. The Recipient's point of contact for purposes of the Contract is:

Justin Doyle
Director of Community Conservation
James River Association
16 South 17th Street Suite 100
Richmond, Virginia 23219
jdoyle@thejamesriver.org

- C. The Recipient represents and warrants that it has duly authorized its point of contact to act on its behalf for purposes of this Contract.
- D. Either party may change the contact information set forth in this section by submitting a written statement that the party is making such a change and setting forth the contact information of the party's new point of contact to the other party's point of contact.

2. **Payment of Grant Funds.**

- A. The City shall pay the Grant Funds to the Recipient as soon as is practicable following full execution of this Contract. Such payment shall be made to an address designated by the Recipient within thirty (30) days following the execution of this Contract by both parties.
- B. The Recipient shall return to the City all of the Grant Funds received by the Recipient if the requirements set forth in section 3 below are not fulfilled. Upon return of the Grant Funds as provided in this section 2(B), all obligations of Recipient undertaken in this Contract will terminate.

3. **Scope of Services.** In consideration of the City's grant of the Grant Funds to the Recipient, no later than December 31, 2025, the Recipient shall perform the services at the location pursuant to this section 3.

- A. **Greening Richmond Public Libraries – Ginter Park Branch.** At the Ginter Park Branch, in conformance with the Greening Richmond Public Libraries: Ginter Park Branch Final Location, Character, and Extent Application Packet approved by the Planning Commission on June 18, 2024, which is attached hereto and incorporated herein as Exhibit A, the Recipient shall:
- i. **Construction.** Install permeable pavers at the Ginter Park Branch in accordance with Exhibit A.

- B. **Communications.** Mention “RVAH2O” and “Richmond Public Library” in all communications regarding the Project with third parties, including interviews, social media posts, and press releases. Tag “RVAH2O” in any social media post regarding the Project. Include logo and hyperlink to RVAH2O website (<https://rvah2o.org/>) on Project website.

4. **Performance Measures.** The City shall have sole discretion to determine performance under this Contract. The City shall use the following performance measures, expressed in the form of questions to be answered in the affirmative, to evaluate whether the Recipient has performed the services required by this Contract in a manner that achieves the City's purpose in providing the Grant Funds to the Recipient:

- A. Has the Recipient performed all services, as detailed in sections 3(A) and 3(B) of this Contract?

5. **Reporting.** The Recipient shall: (1) Provide final as-built information upon completion of the Project; (2) Provide project and site photos (including photos depicting pre-existing and post-construction conditions) and construction and planting documentation; and (3) Furnish the City's point of contact with specific final project metrics upon completion of the Project including:

- Drainage Area (acres);
- Impervious Area Managed (acres);
- Total Suspended Solids Reduction (lbs/year);
- Total Phosphorus Reduction (lbs/year);
- Total Nitrogen Reduction (lbs/year);
- Stormwater Volume Reductions (Million Gallons);
- Total Number of Trees Planted;
- Total Number of Plants Planted (Including Trees) That Are Native to Virginia;
- Total Number of Plants Planted (Including Trees) That Are Not Native to Virginia; and
- Total Project Cost.

6. **Compliance Monitoring.** The City's point of contact shall monitor the Recipient's compliance with this Contract. In addition to the reports required by Section 5, the Recipient shall furnish the City's point of contact with any information reasonably requested by the City's point of contact in order to enable the City's point of contact to determine whether the Recipient is meeting the performance measures set forth in the Contract.

7. **Recipient's Representations and Warranties.** The Recipient represents and warrants as follows:

- A. The Recipient is and will be for the duration of this Contract a non-profit organization within the meaning of Section 15.2-953(B) of the Code of Virginia.

- B. The Recipient's signatory is duly authorized by the Recipient to enter into the Contract and thereby to bind the Recipient to the Contract's terms and conditions.

8. **Audit.** Pursuant to Section 2-187 of the Code of the City of Richmond, the Recipient shall, as a condition of receiving monies from the City, be subject to periodic audits of its finances and expenditures of such City monies by the City Auditor on demand and without notice.

9. **No Third-Party Beneficiaries.** Notwithstanding any other provision of this Contract, the City and the Recipient hereby agree that: (i) no individual or entity shall be considered, deemed or otherwise recognized to be a third-party beneficiary of this Contract; (ii) the provisions of this Contract are not intended to be for the benefit of any individual or entity other than the City or the Recipient; (iii) no individual or entity shall obtain any right to make any claim against the City or the Recipient under the provisions of this Contract; and (iv) no provision of this Contract shall be construed or interpreted to confer third-party beneficiary status on any individual or entity. For purposes of this section, the phrase "individual or entity" means any individual or entity, including, but not limited to, individuals, contractors, subcontractors, vendors, sub-vendors, assignees, licensors and sub-licensors, regardless of whether such individual or entity is named in this Contract.

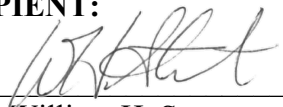
10. **No Joint Venture.** The terms and conditions of this Contract shall not be construed or interpreted in any manner as creating or constituting the City as a partner or joint venture participant with the Recipient or as making the City liable for the debts, defaults, obligations or lawsuits of the Recipient or its contractors or subcontractors.

SIGNATURES ON THE FOLLOWING PAGE

Effective as of the date first written above.

RECIPIENT:

By: _____


William H. Street
Chief Executive Officer

[OBJ]

CITY:

By: _____

Name: _____

Title: _____

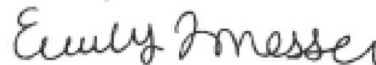
[OBJ] Authorized by Ord. No. _____

Adopted _____

APPROVED AS TO TERMS:

Scott Morris, DBA, P.E.
Director of Public Utilities

APPROVED AS TO FORM:



Emily Messer
Assistant City Attorney

EXHIBIT A



Application for Urban Design Committee Review

Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, Virginia 23219 | (804) 646-6335
www.richmondgov.com/CommitteeUrbanDesign



Application Type (select one)

Location, Character, & Extent
Section 17.05
Other:

Encroachment
Design Overlay District

Review Type (select one)

Conceptual
Final

Project Information

Submission Date: _____

Project Name: _____

Project Address: _____

Brief Project Description (this is not a replacement for the required detailed narrative):

Applicant Information (a City representative must be the applicant, with an exception for encroachments)

Name: _____ Email: _____

City Agency: _____ Phone: _____

Main Contact (if different from Applicant): _____

Company: _____ Phone: _____

Email: _____

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

Submittal Deadlines

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission (CPC) on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06, and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

Greening Richmond Public Libraries

IMPROVING THE HEALTH OF THE JAMES RIVER BY REDUCING STORMWATER POLLUTION

Ginter Park Branch

Project Description

The site is located in the Ginter Park neighborhood of Richmond in Northside. The property is situated on the corner of Westbrook Avenue and Brook Road adjacent to a city bus stop. The site abuts the former Azalea Mall properties to the north and west. The building and site layout was designed and constructed from 1961-1963 in the mid-century modern design style. There is no accessible route from the public sidewalks into the building. Access is possible through the parking lot, but this route does not meet ADA code. The site features a mix of predominantly non-native plants with many suffering from disease and the effects of over-pruning, some native plants, and some invasive species. Soil infiltration values are quite high after several test pits were evaluated with an infiltrometer.

The design was informed by public questionnaires and the collaborative project management effort of Richmond Public Library staff, RVAH2O, The James River Association, and Four Winds Design. The results of the questionnaire, included in supporting material, contributed significantly to informing the direction of the design for this project. Library users and residents identified the needs for outdoor gathering and children's play spaces, learning environments, and better access to the main doors.

The purpose of the project is to develop a series of bioretention basins and areas of pervious pavers designed to Virginia Department of Environmental Quality standards to infiltrate storm water discharge from a portion of the roof, sidewalks, and parking lots; reduce the heat island effect of the parking as possible; create an accessible route from public sidewalks into the building; and create a small public park that features shaded reading areas, play space for children, an interpretive edible plant space, and opportunities for education about the importance of native plants and managing stormwater runoff. Some impervious area and most non-native species will be removed with native plants added for shade, wildlife habitat, and other ecosystems services. The project strives to become a model of sustainable site development with educational components accomplished with an interpretive sign, special library programs, and community involvement and support.

This project is funded by a 319H grant from the Virginia Department of Environmental Quality, RVAH2O, the National Fish and Wildlife Service/ Innovative Nutrient and Sediment Reduction grant, the Virginia Department of Urban Forestry, Altria, and is supported by staff hours from The James River Association and RVAH2O with service donations from Four Winds Design.

Construction is scheduled to begin in the late fall of 2024. Most project elements will all be accomplished with independent contractors. Volunteers will install the plants and mulch; come sweat it out with the best of them in early December.

Sadly, a 32" diameter Southern Magnolia and two smaller Slippery Elm trees will need to be removed to achieve the design. The project team plans to arrange for on-site milling of these trees with the intent of trading the magnolia lumber for dried lumber of a species more suitable for outdoor use. The existing non-native shrubs that are disease free and not invasive will be offered to the community as free transplants to save on demolition costs and reduce construction waste. To further reduce building waste the berm that defines the park perimeter will consist mostly of excavation spoils including an old roadbed the limits infiltration value. The stone benches will be constructed of reclaimed granite from the previous project at East End Library.

Maintenance Analysis

All maintenance of RPL properties is performed by an independent contractor managed by RPL staff. The five previously developed library branches have served as maintenance testing grounds. Site-specific manuals for each property have been created and is included as supporting material. The section for Ginter Park will be revised to include plant species specific care upon completion of construction. This site will be actively maintained by JRA staff for weeding and supplemental watering and monitored yearly by JRA and Four Winds. Beginning in 2025, this site will be part of a new program developed by JRA to maintain the collective Greening Richmond Public Library sites. This includes ongoing maintenance to supplement the independent contractor and training in the maintenance of bioretention basins and pervious pavers as well as proper care for the native plants under the Chesapeake Bay Landscape Professionals program for prospective maintenance contractors. This program is supported by grants from Soar365.

Greening Richmond Public Libraries

IMPROVING THE HEALTH OF THE JAMES RIVER BY REDUCING STORMWATER POLLUTION

Ginter Park Branch Library

1200 Westbrook Avenue, Richmond, 23227

LEGEND

- AC UNIT
- BOLLARD
- ELEC. BOX
- ELEC. METER
- GAS METER
- GAS VALVE
- LIGHT POLE
- SIGN
- TELE. PED.
- WATER METER
- ELEC. TRANSFORMER
- ADA PARKING
- UTILITY POLE
- IRRIGATION VALVE BOX
- 1X1 DROP INLET
- STORM MH
- CLEAN OUT
- FIBER HANDHOLE
- TRAFFIC HANDHOLE
- TRAFFIC LIGHT POLE
- WATER VALVE

U.G. WATERU.G. GASO.H. TELEPHONECONCRETE

- Downspout locations
- Downspout location, goes below ground
- Unknown 4" PVC pipe with clean out or inspection port

- Existing Trees & Shrubs To Be Preserved:
- Existing Trees To Be Removed:

FEATURES

- A Bee Zone
- B Arbor of reclaimed wood over patio and seating stones
- C Concrete cheekwalls
- D Standing Stones mark garden entrance
- E Native Plant ID Game: waterproof box with paper handouts & QR code
- F Edible plants demonstration plots
- G Pervious pavers
- H Exposed stormwater filter box
- I Screening evergreens
- Reclaimed concrete benches
- Public Art Installations



Arbor Concept



Berms are approx 30" tall



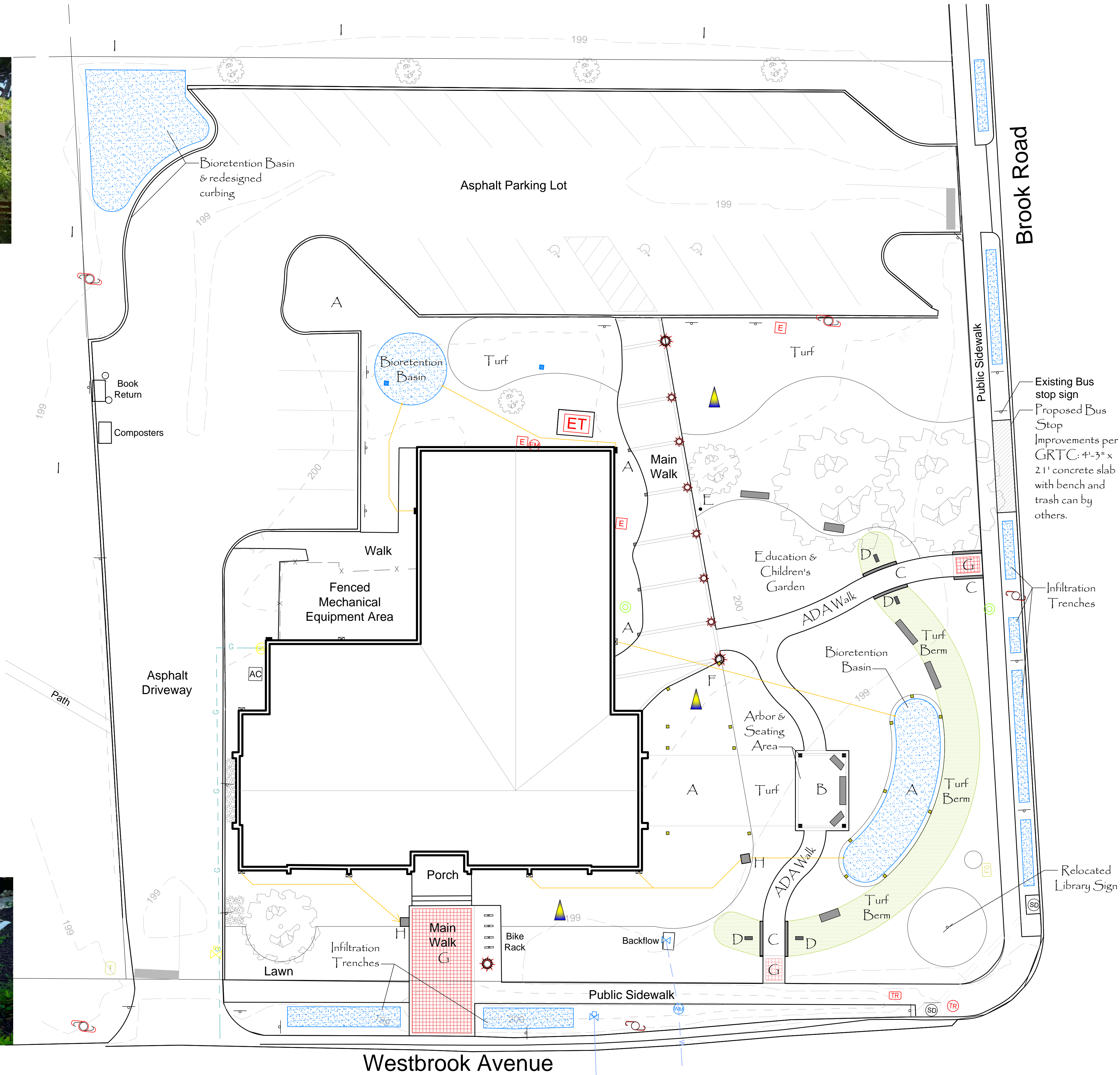
Reclaimed stones used as entrance markers



Interpretive Sign & Bee Zone markers



Reclaimed granite benches and Powerblock pervious pavers



Greening Richmond Public Libraries

IMPROVING THE HEALTH OF THE JAMES RIVER BY REDUCING STORMWATER POLLUTION

Ginter Park Branch Library

1200 Westbrook Avenue, Richmond, 23227

LEGEND

- AC UNIT

BOLLARD

ELEC. BOX

ELEC. METER

GAS METER

GAS VALVE

LIGHT POLE

SIGN

TELE. PED.

WATER METER
- ELEC. TRANSFORMER

ADA PARKING

UTILITY POLE

IRRIGATION VALVE BOX

1X1 DROP INLET

STORM MH

CLEAN OUT

FIBER HANDHOLE

TRAFFIC HANDHOLE

TRAFFIC LIGHT POLE

WATER VALVE

- U.G. WATER

U.G. GAS

O.H. TELEPHONE

CONCRETE

- Downspout locations

Downspout location, goes below ground

Unknown 4" PVC pipe with clean out or inspection port

- Existing Trees & Shrubs To Be Preserved:

Existing Trees To Be Removed:

FEATURES

- A Bee Zone

B Arbor of reclaimed wood over patio and seating stones

C Concrete cheekwalls

D Standing Stones mark garden entrance

E Native Plant ID Game: waterproof box with paper handouts & QR code

F Edible plants demonstration plots

G Pervious pavers

H Exposed stormwater filter box

I Screening evergreens

Reclaimed concrete benches

Public Art Installations

Botanical Name	Common Name
Amelanchier arborea	Serviceberry
Acer rubrum	Red Maple
Aesclepias incarnata	Swamp Milkweed
Aster novi-belgii	Aster
Betula nigra	Riverbirch
Cercis canadensis	Golden Redbud
Chionanthus virginicus	Fringetree
Coreopsis auriculata	Tickseed
Dryopteris intermedia	Fancy Fern
Hydrangea arborescens	Smooth Hydrangea
Ilex opaca	American Holly
Ilex vomitoria	Dwarf Yaupon Holly
Iris louisiana	Iris
Itea virginica	Sweetspire
Magnolia virginiana	Sweetbay Magnolia
Myrica cerifera	Bayberry
Nyssa sylvatica	Tupelo
Panicum virgatum	Switch Grass
Penstemon digitalis	Beard Tongue
Phlox subulata	Creeping Phlox
Schizachyrium scoparium	Little Bluestem
Tradescantia virginiana	Spiderwort
Viburnum dentatum	Arrowwood Viburnum

