



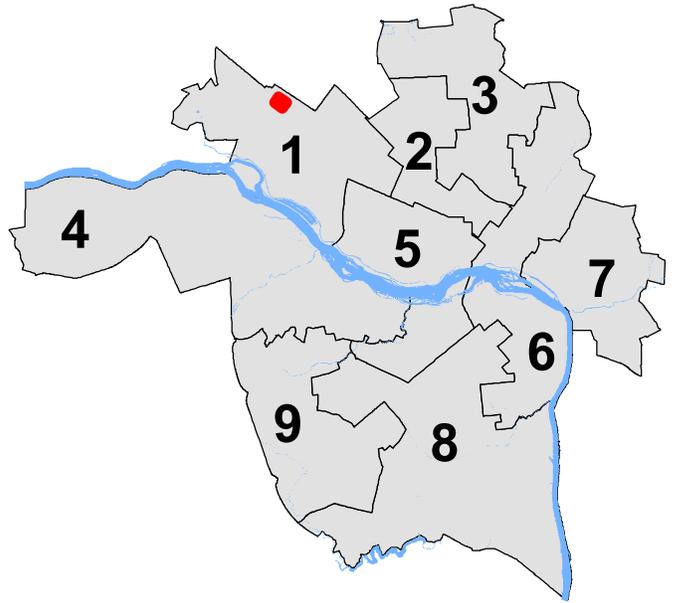
City of Richmond Department of Planning & Development Review

Location, Character, and Extent

LOCATION: 5420 Patterson Avenue

COUNCIL DISTRICT: 1

PROPOSAL: Final review of Richmond Public Library - West End Branch Site Improvements.



For questions, please contact Alex Dandridge at 646-6569 or alex.dandridge@richmondgov.com





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

[e](#) [End](#) [ranc](#)

Project Description

The site is located in the Near West End of Richmond and is the largest library branch site. The property abuts a post office and is within walking distance of the busy intersection of Patterson and Libbie Avenues. Soil infiltration values are very poor and the site has had many former uses leaving the soil with within significant debris. There are several stormwater runoff issues on the property, particularly the flooding of parking stalls near the back entrance including the accessible spaces. Despite these challenges this location creates the opportunity to filter very large volumes of runoff while detaining stormwater to absorb what quantities may be taken up by limited infiltration and the evapotranspiration of large riparian trees.

The purpose of the project is to develop a series of bioretention basins designed to Virginia Department of Environmental Quality standards to infiltrate storm water discharge from the roof, sidewalks, and parking lot; as well as develop an ecologically responsible landscape that can be used as an educational tool and future gathering space. Impervious area and some 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 through the use of interpretive signage, special library programs, and community involvement and support. Future development awaiting funding includes a walk and gathering to let visitors be immersed in the landscape, pedestrian connections to the post office and public sidewalk, and more extensive tree canopy coverage. The design was informed by public charettes and the collaborative project management effort of Richmond Public Library staff, RVAH2O, The James River Association, and Four Winds Design.

This project is funded by a 319H grant from the Virginia Department of Environmental Quality (\$34,356.00), the City of Richmond Department of Public Utilities – Stormwater Utility (\$50,000.00) and supported by staff hours from The James River Association and RVAH2O with service donations from Four Winds Design. Additional trees and plantings around the sign and main entrance are funded by a private donor (\$4,000.00).

Construction is tentatively scheduled to begin in March and April of 2021. Demolition and site infrastructure, large tree plantings, proposed parking lot curbs, arrival court and associated features, and bioretention basins will all be accomplished with an independent contractor. Volunteers will be used for shrub and perennial planting, mulching, and clean-up.

Maintenance Analysis

All maintenance of RPL properties is performed by an independent contractor managed by RPL staff. The site improvements at Westover Hills Branch Library, which were completed in phases from 2014-2019, has served as maintenance testing grounds and pilot project. The current project team has met with the landscape maintenance contractor to outline the methodologies that will best suit the contractor's team and the need for more careful landscape maintenance practices than typically offered in a commercial setting. Collectively we have arrived at creating a site-specific manual for each property containing the sections outlined below. Manuals will be available in Spanish.

In addition to meeting with the contractor and his team to walk the site these manuals will be provided to the contractor and kept on site. Each site contains a “Bee Zone” that will require the extra care needed to grow herbaceous perennials. These areas are marked on site with edging of a color consistent throughout all branches and delineated in plan form in the manual. On this site the Bee Zone is defined with raised concrete boundary markers (see plans) periodically around the perimeter of the zone.

As part of the construction process the maintenance contractor will be awarded some of the plant installation work. We hope that this inclusion gives him and his employees a sense of ownership in the sites.

Manual Section One

Briefly describe the intent of the project, extent of site improvements, and role of the contractor in ecosystem management. Provide a very basic site plan highlighting Bee Zones for hand weeding, no herbicide use, different mulching applications, and general careful treatment. The plan may also show areas suitable for on-site composting if applicable. DPU will provide interpretive signage for these locations at a later date. All composting areas will be surface composting only for leaves only to be used as a mulch substitute. A few key terms such as “selective pruning” and “herbaceous perennial” will be defined. The correct use of herbicides will be outlined as this is a major issue on all sites.

Note that all gutters, conveyance channels, and spillways are visually open systems that can be easily removed of debris with a blower. The maintenance of underdrain systems, all masonry surfaces, interpretive signs, and other landscape elements outside of typical landscaping is the responsibility of Richmond Public Libraries.

Manual Section Two

Common plant species: provide images of groups of native plants used on site (this will be the same for all sites but not all contractor employees may work on each site) and common mistakes/ issues to be aware of:

- Ornamental grasses: These only need to be cut back once a year and need no other care
- Deciduous shrubs: Require only selective pruning once a year if at all, plant type specific
- Evergreen shrubs: Rarely require pruning except to control size
- Trees: No mulch should touch the trunk, needs only 3-4” of mulch at base
- Perennials: Know where they are and what they look like as they emerge in the spring

The above guidelines are examples only and these will be expanded upon. “If in doubt of how to treat a plant, ask first or leave it alone.”

Manual Section Three

Seasonal charts capturing all landscape maintenance needs outside of lawn mowing and treatments, blowing off surfaces, and leaf removal:

- Late winter or fall pruning – when and why
- Spring/ fall plant replacements (approved by library staff)
- Activation and winterization of irrigation systems, head adjustments
- Mulching: to occur only once a year or twice a year in lighter applications at the discretion of the contractor (but we don’t need 6-8” of mulch applied per year). Planting bed edging techniques.
- Corrective tree pruning: to be performed by city arborists and Richmond Tree Stewards.
- Fertilizations: by special request of branch managers only.

A maintenance visit sequence of work will be outlined to encourage leaves to be mown into the lawn areas and any accumulated debris and leaves to be blown into designated composting areas if applicable.

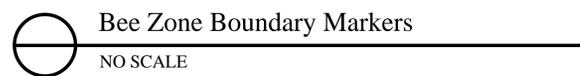
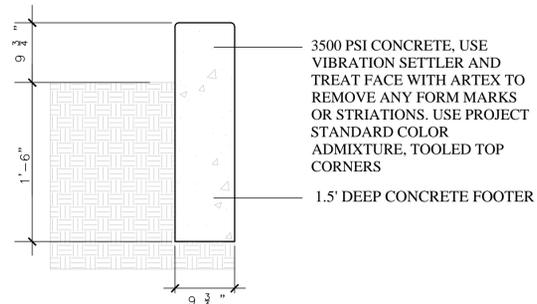
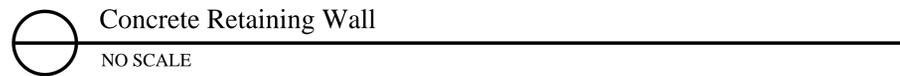
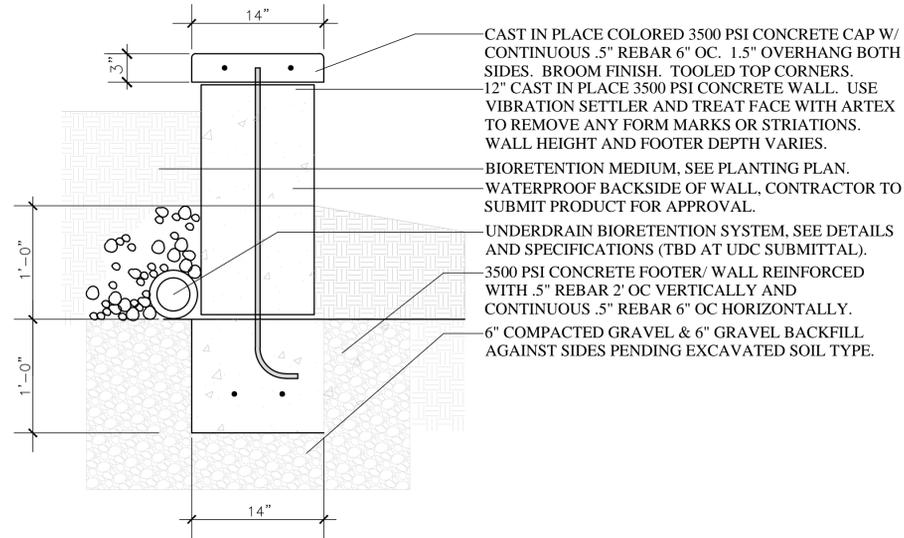
Common mistakes will be noted such as shearing shrubs with electric pruners twice a year and burying plants in mulch. Some of this will be redundant for emphasis. A clear methodology of reporting issues to branch managers such as irrigation damage will be outlined. Likewise, a methodology of branch managers reporting issues to the contractor will be defined. Responsible parties designated for all items including confirming dead/damaged beyond regrowth plants to be removed and suitable replacements. Cost for replacement manuals will be defined.

Greening Richmond Public Libraries

IMPROVING THE HEALTH OF THE JAMES RIVER BY REDUCING STORMWATER POLLUTION

West End Branch Library

5420 Patterson Avenue, Richmond, 23226



Trench grate, see notes for specifications



NOTES

THE FOLLOWING ELEMENTS SHALL BE CONSISTENT BETWEEN LIBRARY BRANCHES IMPROVED UNDER THIS ENDEAVOR: ALL INTRODUCED METAL COMPONENTS INCLUDING SIGN FRAMES (TEXTURED BROWN POWDER COAT), CONVEYANCE CHANNELS (CHALET STONE IN MORTAR BED), BEE ZONE PERIMETER MARKING (BROOM FINISH CONCRETE WITH COLOR ADMIXTURE):



SEE UDC SUBMISSION APPLICATION FOR WESTOVER HILLS BRANCH FOR EXAMPLE OF INTERPRETIVE SIGN GRAPHICS AND FRAME DETAILS.

THE TRENCH GRATES SHALL BE BAR GRATING ITEM 6601 143632 BY MCMNICHOLS STEEL, (ADA COMPLIANT PRODUCT WHEN DIRECTION OF BEARING BARS INSTALLED PERPENDICULAR TO DOMINANT DIRECTION OF TRAVEL, VEHICULAR RATED). PROVIDE FRAME IN MATCHING RECTANGULAR BAR AND L BRACKETS WITH COATED EMBEDDED ANCHORS FOR MOUNTING TO CONCRETE CONVEYANCE CHANNEL LIP. USE TYPE 304 BRACKET, GFSS-1 SADDLE CLIP. (3) PER L BRACKET TO SECURE GRATES. ALL COMPONENTS POWDER COATED TEXTURED BRONZE TO MATCH SPILLWAY AND SIGN.

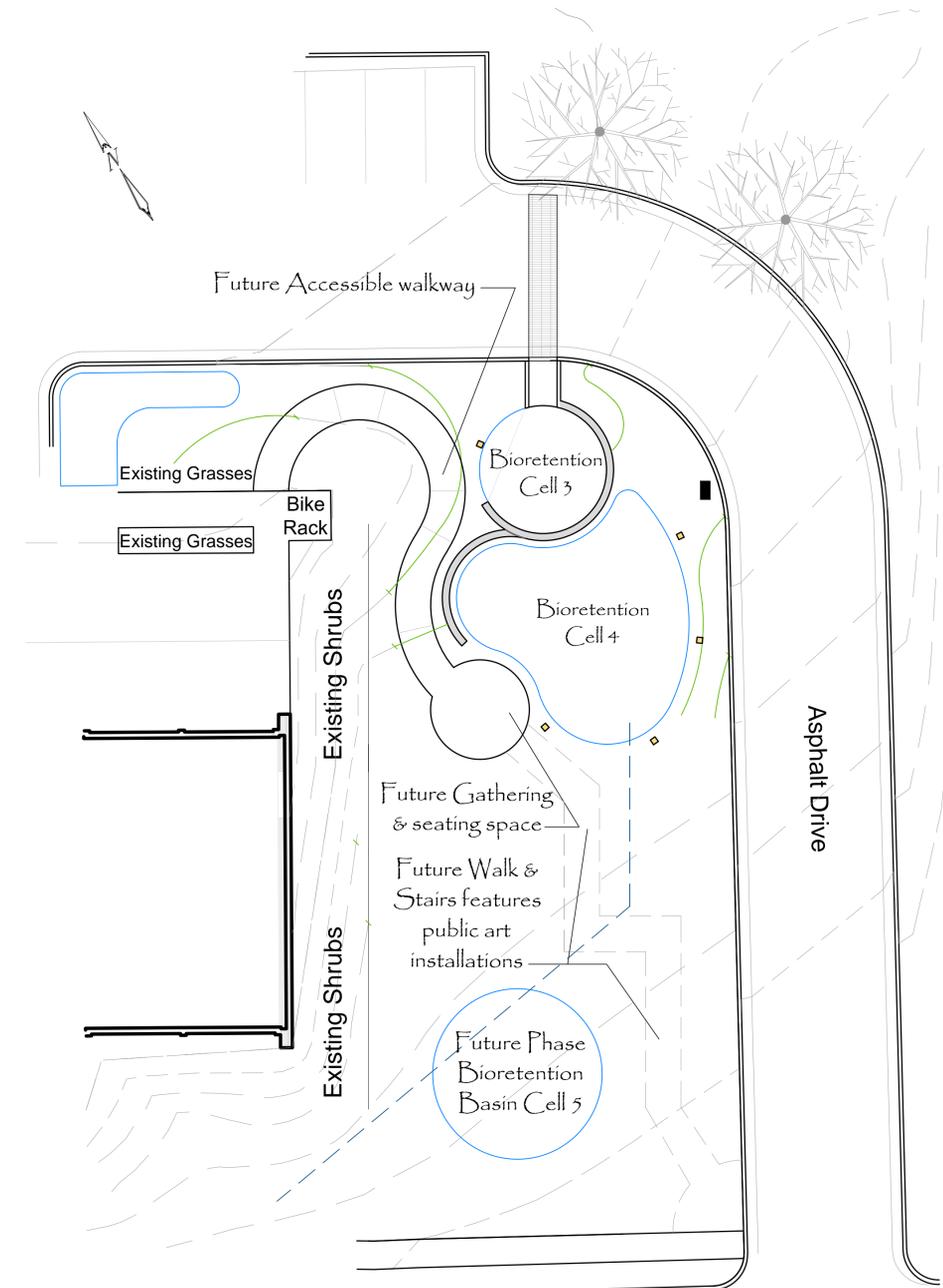
THE PROPOSED CURB AND GUTTER AROUND THE BIORETENTION BASINS IN THE PARKING LOT WILL MATCH THE USING CITY STANDARD CONSTRUCTION DETAILS FOR CURB AND GUTTER. CURB CUTS WILL BE LOCATED AS SHOWN TO RECEIVE RUNOFF:



Conveyance channels: ornamental gravel in 4" mortared bed, finish surface with acid wash to clean stone. Use 40% 3-5" stone and 60% 1-3" stone.



Plant Schedule				
Code	Botanical Name	Common Name	Quantity	Size
AA	Amelanchier arborea	Serviceberry	2	6-8'
Mix A	Asclepias incarnata	Swamp Milkweed	22	1 Gal
CA	Carpinus caroliniana (standard form)	American Hornbeam	4	8-10'
EP	Echinacea purpurea 'PowWow'	Purple Coneflower	11	1 Gal
Mix A	Hibiscus moscheutos 'Disco Belle Red'	Rosemallow	20	1 Gal
Mix A	Iris louisiana 'Black Gamecock'	Sweetflag	20	1 Gal
Mix A	Juncus effusus 'Blue Arrow'	Bog Rush	20	1 Gal
JV	Juniperus virginiana	Redcedar	7	10-12'
MV	Magnolia virginiana	Sweetbay Magnolia	8	15 Gal
NS	Nyssa sylvatica	Tupelo	3	2" Cal
PH	Panicum virgatum 'Heavy Metal'	Switch Grass	3	3 Gal
PV	Panicum virgatum 'Shenandoah'	Switch Grass	155	3 Gal
PS	Penstemon sp 'Red Rocks'	Beard Tongue	58	1 Gal
PO	Platanus occidentalis	Sycamore	1	2.5" Cal
QC	Quercus coccinea	Scarlet Oak	7	2.5" Cal
RF	Rudbeckia fulgida 'Little Gold Star'	Black-eyed Susan	35	1 Gal
TD	Taxodium distichum	Baldcypress	5	8-10'
TS	Tradescantia virginiana	Spiderwort	13	1 Gal



Future Phase Construction (not submitted for UDC approval at this time)

Greening Richmond Public Libraries

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West End Branch Library

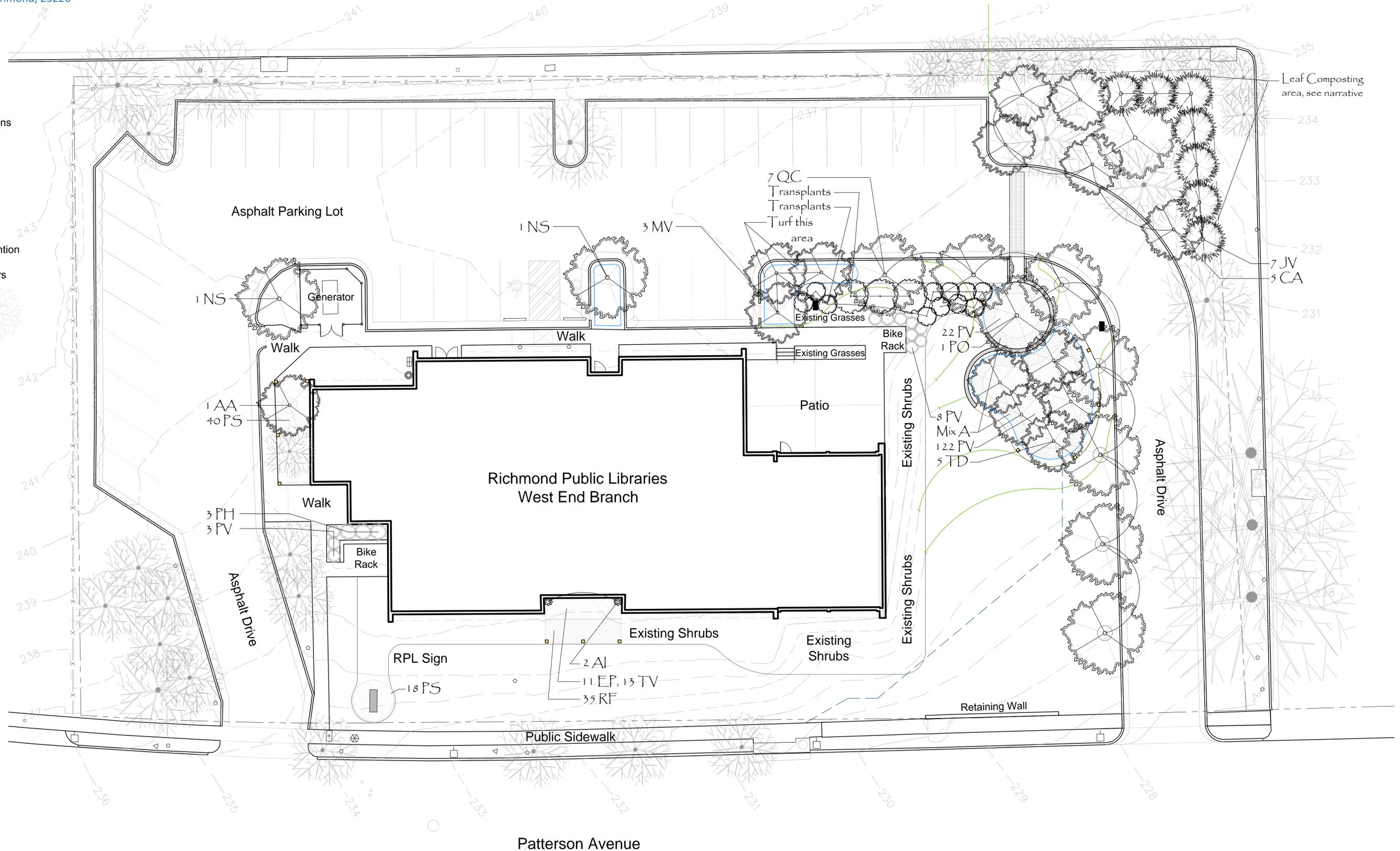
5420 Patterson Avenue, Richmond, 23226

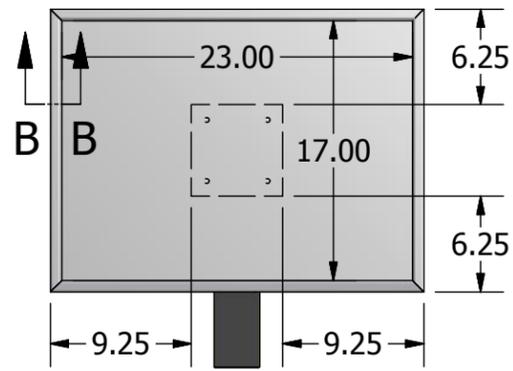
Legend:

-  Downspout locations
-  Water Meter
-  Gas Meter
-  Electric Meter
-  Site Pole Lights
-  Irrigation Valve
-  Sign
-  Utility Pole
-  Proposed Bioretention Basins
-  Proposed Contours

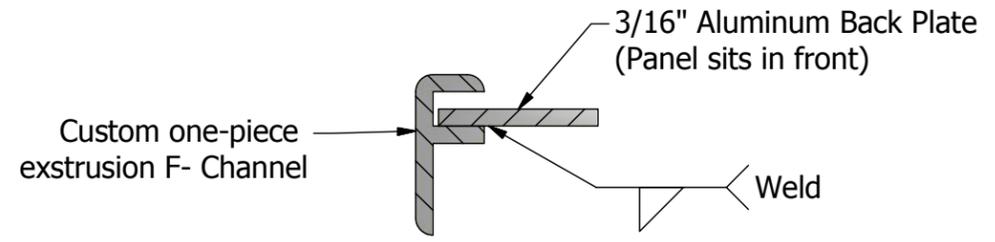
Existing Trees & Shrubs To Be Preserved:

PLANT SCHEDULE SHOWN ON PAGE TWO

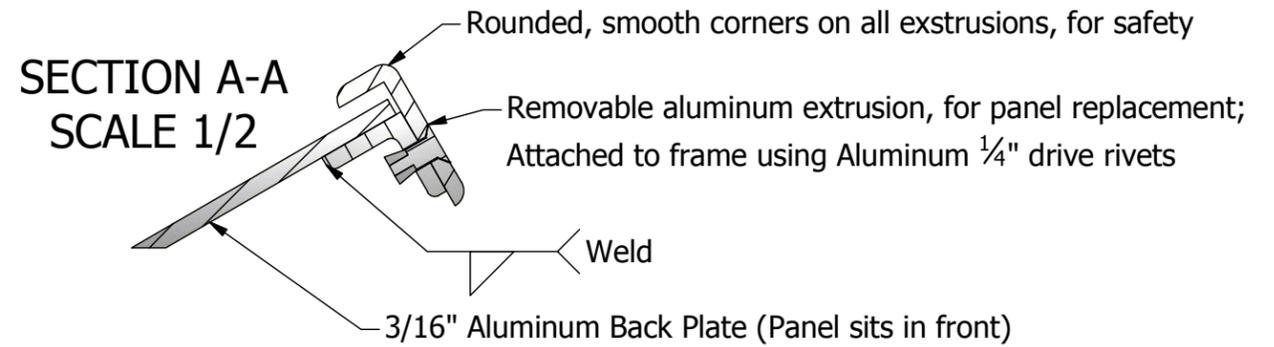




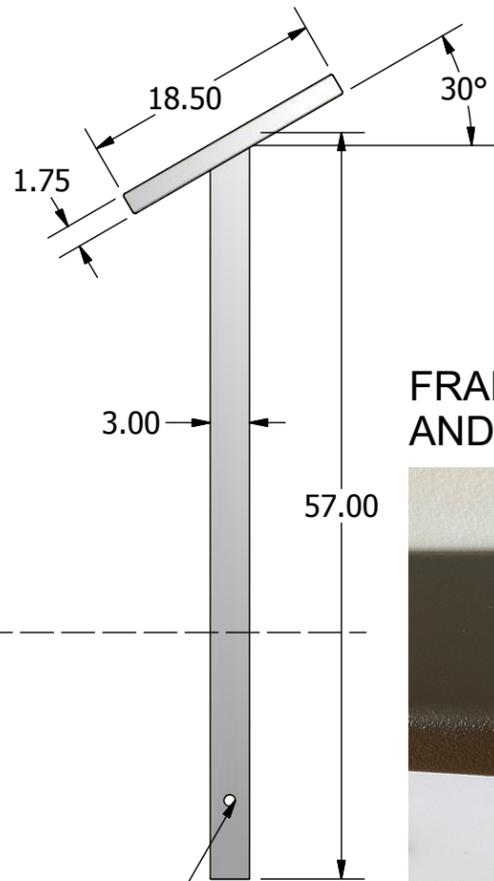
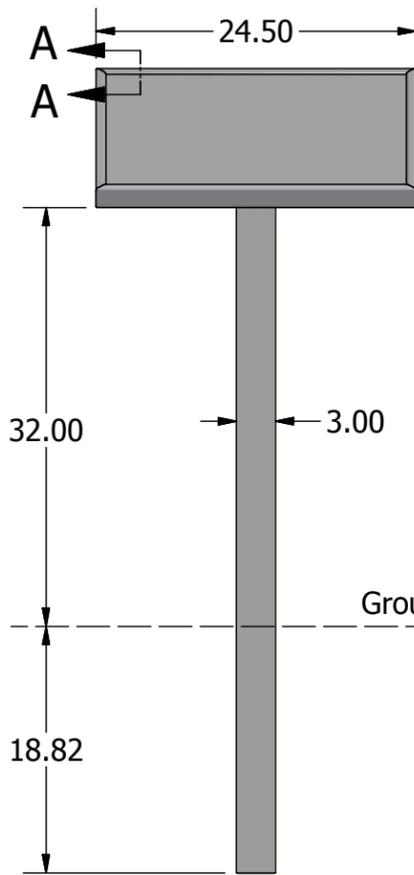
Frame has weep holes drilled along bottom for water drainage



SECTION B-B
SCALE 1/2



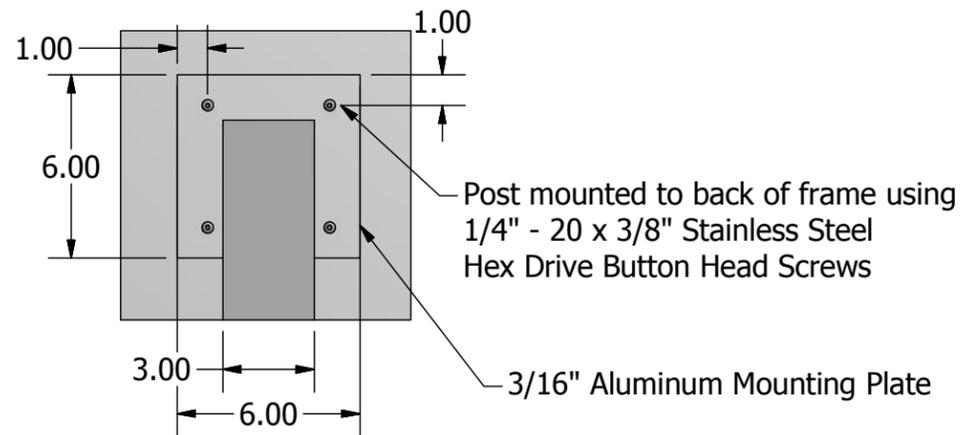
SECTION A-A
SCALE 1/2



FRAME COLOR AND TEXTURE

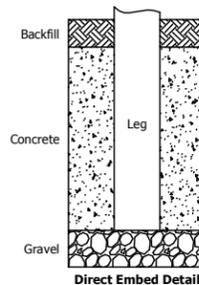


MOUNTING PLATE (leg to plate)



Holes for optional concrete reinforcement using steel rebar inserts

HARDWARE INCLUDED		
Type	QTY	Image
1/4"-20 x 3/8" Stainless Steel Hex Drive Button Head Screws	4 each	
5/32" Hex Key	1 each	
1/4" Aluminum Drive Rivets	2 each	



Single Pedestal Exhibit Base
James River Association

Frame Size: 24.5"w x 18.5"h
Trim Size: 23.875"w x 17.875"h
Visual Area: 23"w x 17"h
Frame Color:
Finish: der Coated Textured

- Approved As Is
- Make Changes and Proceed
- Make Changes and Resubmit

CUSTOMER SIGNATURE



Job #
91336

Qty:
1

Date:
06/15/2020

Rev. #:
0

Drawn By:
MLE

345 Oak Road
Gibsonia, PA 15044
Phone: 724.265.4900
Fax: 724.265.4300
www.PannierGraphics.com

* Post holes should be dug below the frost line depth. Pannier recommends height from ground to bottom of frame to be 32".