

Greening Richmond Public Libraries

IMPROVING THE HEALTH OF THE JAMES RIVER BY REDUCING STORMWATER POLLUTION

East End Branch Library

1200 North 25th Street, Richmond, 23223

Legend:

- City Water Sampling Station
- ⊗ Water Meter
- ⊙ Gas Meter
- ⊞ Electric Meter
- ⊞ Backflow preventer
- City Street Lights
- ◆ City Utility Pole
- ⊕ Hose Bib
- ⊞ City Electrical Vault
- ⊙ Gas Vault
- ⊕ Clean out
- Underground electrical line, abandoned
- Underground electrical line
- Overhead electrical line
- Underground gas line
- Underground sewer line
- Underground water line
- Existing Trees & Shrubs To Be Preserved:



Remove asphalt, curbing, concrete and sub base to make way for bioretention basins

R Street

Public Alley

Richmond Public Libraries
East End Branch

Remove sub base to a depth of 42.5" in double hatched area

Remove asphalt and sub base to a depth of 28.5" to make way for pervious pavers

Existing Plants

Existing Plants

Bike Rack

Remove tree

Remove asphalt, curbing, concrete and sub base to make way for bioretention basins

25th Street



Existing Conditions & Demolition Plan
Not for construction



Date: 7-28-22
Sheet: 1 of 4

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- ⊕ Clean out
- Bollard, 8
- ⊙ Proposed Trash Can, 3
- Interpretive Sign
- Proposed Bioretention Basins
- ▨ Velocity reducer & trash/salt trap, see detail
- Bee Zone Markers, 10
- ▬ Roll down curbs for ingress/ egress of stormwater
- ⊕ Bioretention basin inspection port, connect to underdrain, see notes
- ⊗ No Parking sign, 7

Existing Trees & Shrubs To Be Preserved:

NOTES

THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IS SHOWN ON THIS PLAN, CONTRACTOR TO CONTACT MISS UTILITY AND LOCATE GAS LINE CLOSEST TO PROPOSED IMPROVEMENTS ON R STREET.

CONTRACTOR TO ASSUME ALL RESPONSIBILITY FOR CONSTRUCTION METHODS EMPLOYED AND FIELD VERIFY ALL DIMENSIONS. ISSUES AND CONCERNS SHALL BE REPORTED TO FOUR WINDS.

CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AT ALL TIMES DURING THE DEMOLITION AND BUILDING PROCESS.

NO PUBLIC THOROUGHFARES INCLUDING SIDEWALKS SHALL BE BLOCKED DURING DEMOLITION OR CONSTRUCTION WITHOUT PROPERLY DISPLAYED MUNICIPALITY PERMITS. NO HOLES SHALL BE LEFT OPEN OVERNIGHT WITHOUT SECURING PERIMETER FENCING OR INSTALLING CAUTION TAPE AROUND THE HOLE.

CONTRACTOR TO OBTAIN ALL BUILDING PERMITS, SOIL STUDIES, AND STRUCTURAL DETAILS AS REQUIRED BY THE MUNICIPALITY.

CONTRACTOR AND MASON AND SUBCONTRACTORS IF APPLICABLE TO ATTEND A PRECONSTRUCTION MEETING WITH JRA REPRESENTATIVES AND FOUR WINDS DESIGN.

CONTRACTOR TO DOCUMENT DEPTH OF EXCAVATION IN PROPOSED BIORETENTION AND PERVIOUS PAVER AREAS WITH PICTURES THAT SHOW MEASURING TAPE DIMENSIONS IN HOLES. THESE PICTURES SHALL BE EMAILED TO FOUR WINDS AS THEY ARE TAKEN. MINIMUM ONE PICTURE PER HOLE OR VARIED DEPTH APPLICATIONS.

THIS DRAWING SHALL BE PRINTED IN COLOR AND PRINTS TO SCALE ON 24"x36" PAPER. USING SMALLER PRINT SIZES IN THE FIELD IS NOT PERMISSIBLE. A COPY OF THE CITY APPROVED DRAWINGS AND STORMWATER PERMIT SHALL BE KEPT ON SITE AT ALL TIMES.

THE PERVIOUS PAVERS WILL BE INSTALLED IN A SEPARATE PHASE TO OCCUR IN WINTER 2023.

THE NO PARKING SIGNS ON 25TH STREET SHALL BE 1" STEEL PIPE OR SIMILAR, SET 24" BELOW GRADE IN 160 LBS OF CONCRETE (THESE ARE BEING USED AS BOLLARDS).

THE TRASH CANS SHALL BE TF 1040 BY BELSON OUTDOORS WITH OPTIONAL ASH URN ATTACHMENT (PART TF2090). STANDARD COLOR/ FINISH SELECTED AT AWARD OF PROJECT CONTRACT.



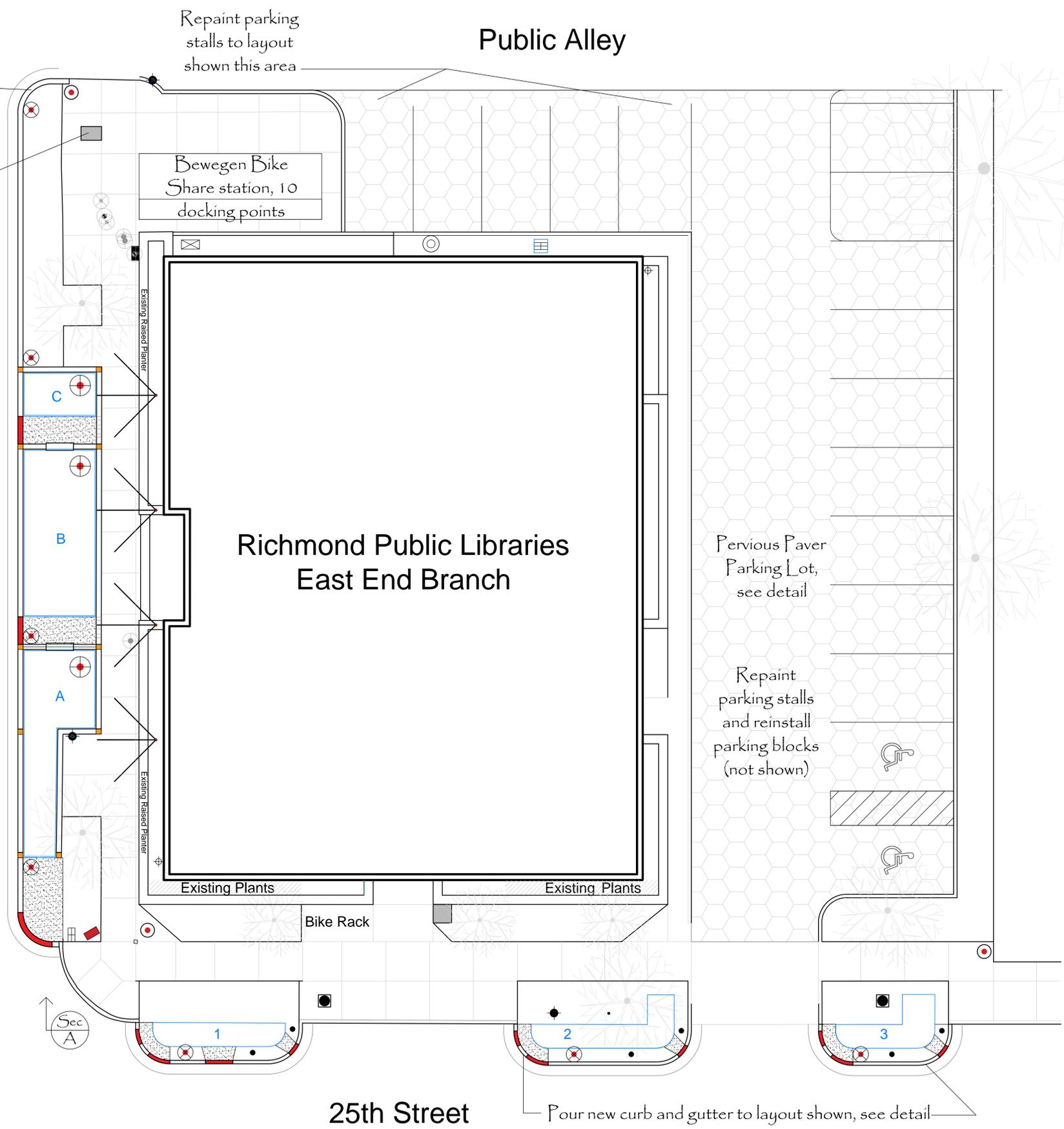
Velocity reducer & trash/salt trap stone type



PowerBloc pervious pavers

Freestanding Trellis

Pour new curb and gutter to layout shown, see detail
Bike Share power housing and wayfinding station



25th Street

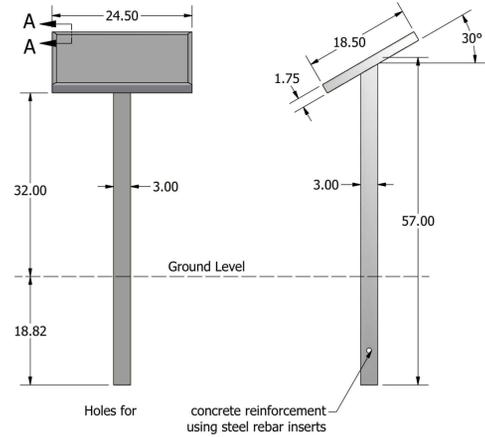
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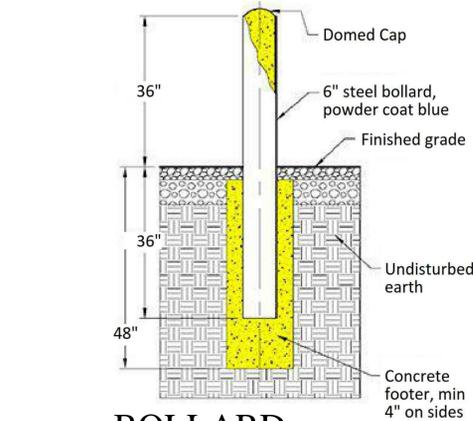
1200 North 25th Street, Richmond, 23223



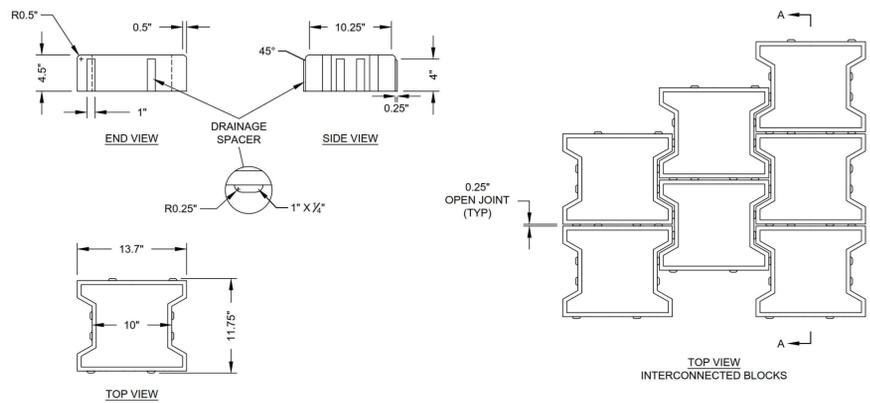
HARDWARE INCLUDED		
Type	QTY	Image
1/4"-20 x 3/8" Stainless Steel Hex Drive Button Head Screws	4 each	
5/32" Hex Key	1 each	
1/4" Aluminum Drive Rivets	2 each	

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: der Coated Textured
Finish: der Coated Textured



BOLLARD
NO SCALE

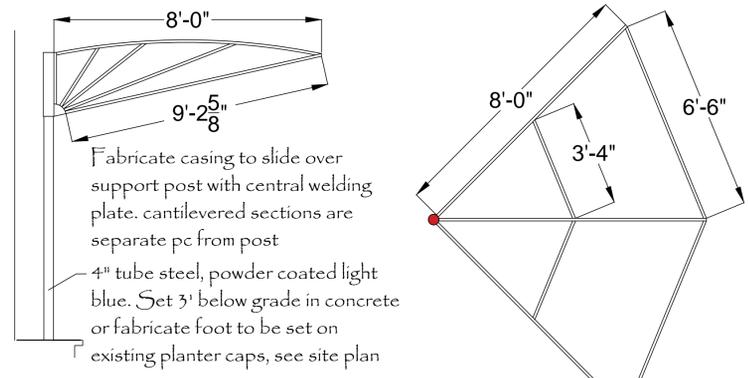


* 1/2" OPEN JOINTS SHALL BE UNFILLED AND FREE OF STONE/SAND BACKFILL.

Available at ACF Environmental

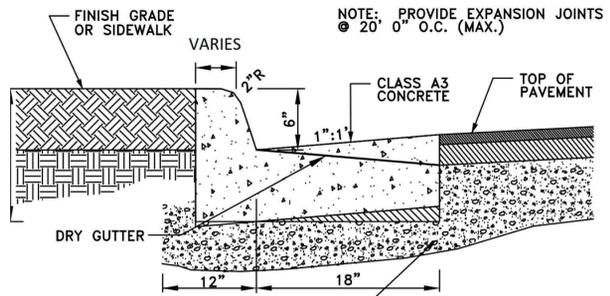
POWERBLOCK PERVIOUS PAVERS

NO SCALE



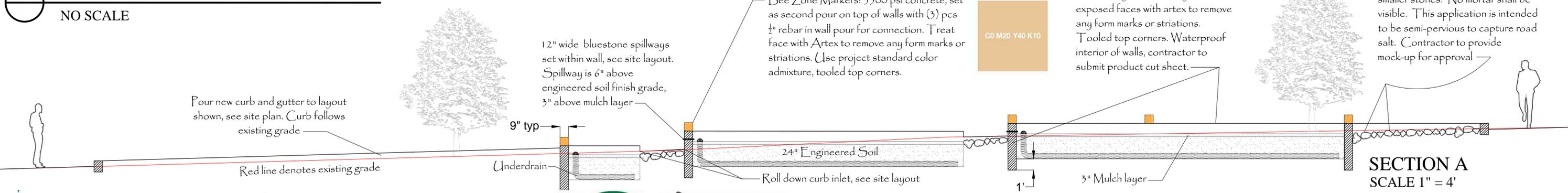
TRELLIS

NO SCALE



CURB AND GUTTER DETAIL

NO SCALE



Bioretention basin walls: 3500 psi concrete with 1/2" rebar 18" OC horizontally and vertically. Treat exposed faces with artex to remove any form marks or striations. Tooled top corners. Waterproof interior of walls, contractor to submit product cut sheet.

Velocity reduced and trash/ salt trap: mix 3-5" and 2-3" tan riverstone sizes at 75/ 25%. Place larger stones over fabric and carefully fill gaps with mortar, apply smaller stones. No mortar shall be visible. This application is intended to be semi-pervious to capture road salt. Contractor to provide mock-up for approval.

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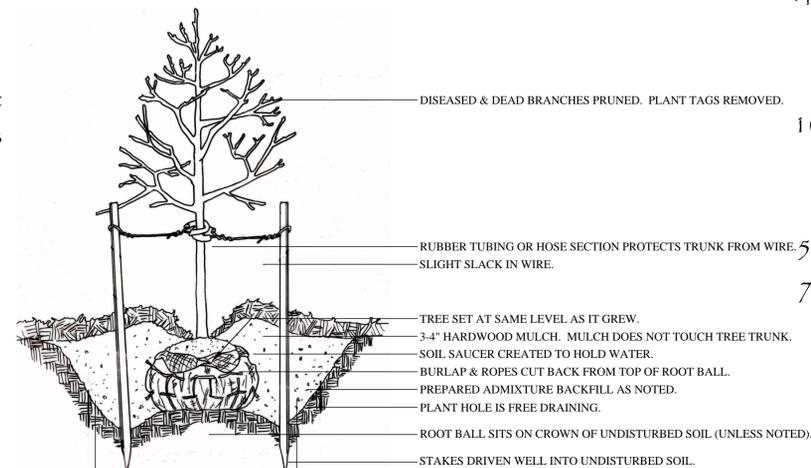
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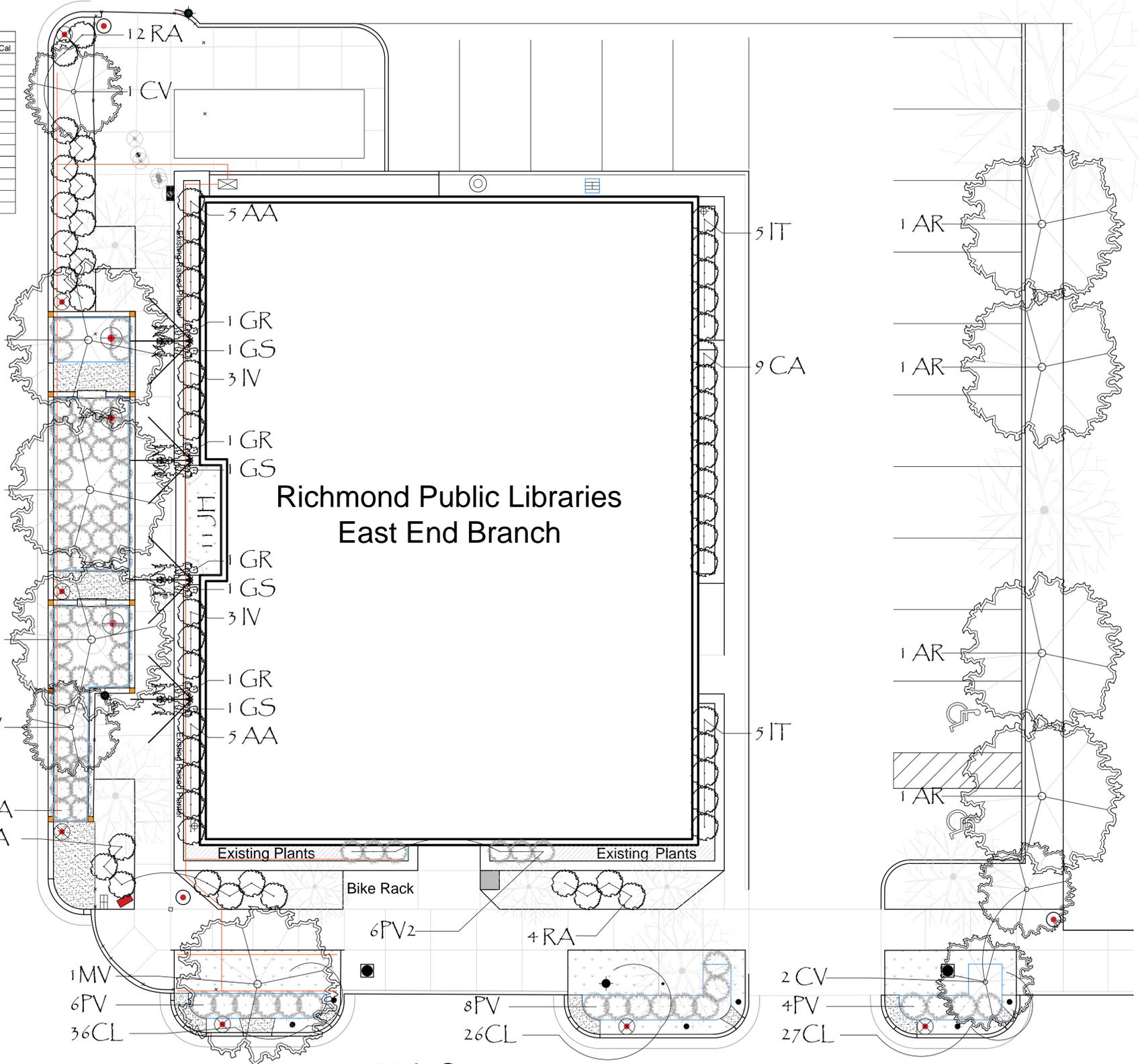
Code	Botanical Name	Common Name	Quantity	Size
AR	Acer rubrum	Red Maple	4	1.75-2" Cal
AA	Aronia arbutifolia 'Low Scape'	Red Chokeberry	10	3 Gal
CL	Chasmanthium latifolium	Sea Oats	89	1 Gal
CV	Chionanthus virginicus	White Fringetree	4	7-8'
CA	Clethra alnifolia 'Hummingbird'	Dwarf Clethra	9	3 Gal
GR	Gelsemium rankinii	Fall Carolina Jasmine	4	3 Gal
GS	Gelsemium sempervirens	Carolina Jasmine	4	3 Gal
IV	Ilex vomitoria 'Bordeaux'	Dwarf Yaupon Holly	6	3 Gal
IT	Itea virginica 'Merlot'	Sweetspire	10	3 Gal
JH	Juniperus horizontalis 'Bar Harbor'	Creeping Juniper	11	3 Gal
MV	Magnolia virginiana	Sweetbay Magnolia	4	7-8'
PA	Panicum amarum 'Dewey Blue'	Atlantic Coastal Panic Grass	54	3 Gal
PV	Panicum virgatum 'Heavy Metal'	Switch Grass	18	3 Gal
PV2	Panicum virgatum 'Shenandoah'	Switch Grass	6	3 Gal
RA	Rhus aromatica 'Low Grow'	Fragrant Sumac	23	3 Gal



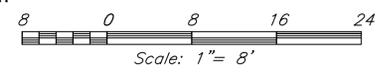
Tree Planting
Scale: none

R Street

Public Alley



Planting & Irrigation
Plan
Not for
construction



Date: 7-28-22
Sheet: 4 of 4