

Greening Richmond Public Libraries

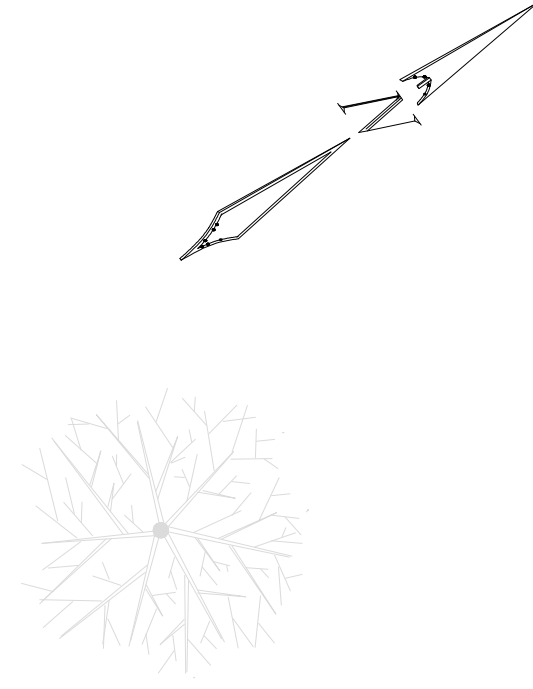
IMPROVING THE HEALTH OF THE JAMES RIVER BY REDUCING STORMWATER POLLUTION

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
 - Existing Trees & Shrubs To Be Preserved:
-
- Underground electrical line, abandoned
 - Underground electrical line
 - Overhead electrical line
 - Underground gas line
 - Underground sewer line
 - Underground water line



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

Remove existing tree to make way for bioretention basins

Public Alley

Remove parking space striping and salvage parking blocks for re-use

Remove asphalt and sub base to make way for bioretention basin

R Street

Richmond Public Libraries
East End Branch

Existing Plants

Existing Plants

Bike Rack

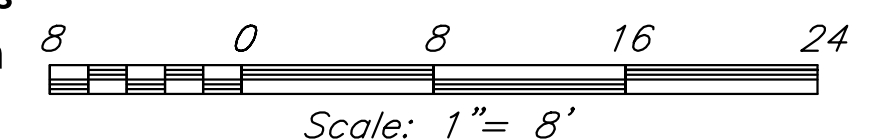
Remove tree

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

25th Street



Existing Conditions & Demolition Plan
Not for construction



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- ⊙ Gas Vault
- ⊕ Clean out
- ⊙ 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.

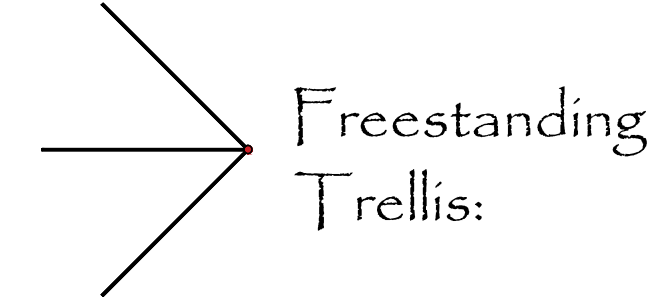
THE NO PARKING SIGNS ON 25TH STREET SHALL BE 1" STEEL PIPE OR SIMILAR, SET 24" BELOW GRADE IN 160 LBS OF CONCRETE (THESE ARE BEING USED AS BOLLARDS).

THIS PLAN HAS BEEN REVIEWED BY DPW. APPLICANT AGREES TO FURTHER SUBMIT FINAL CONSTRUCTION DOCUMENTS TO DPW FOR FINAL REVIEW UPON COMPLETION OF OTHER CITY DEPARTMENTAL REVIEWS.

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



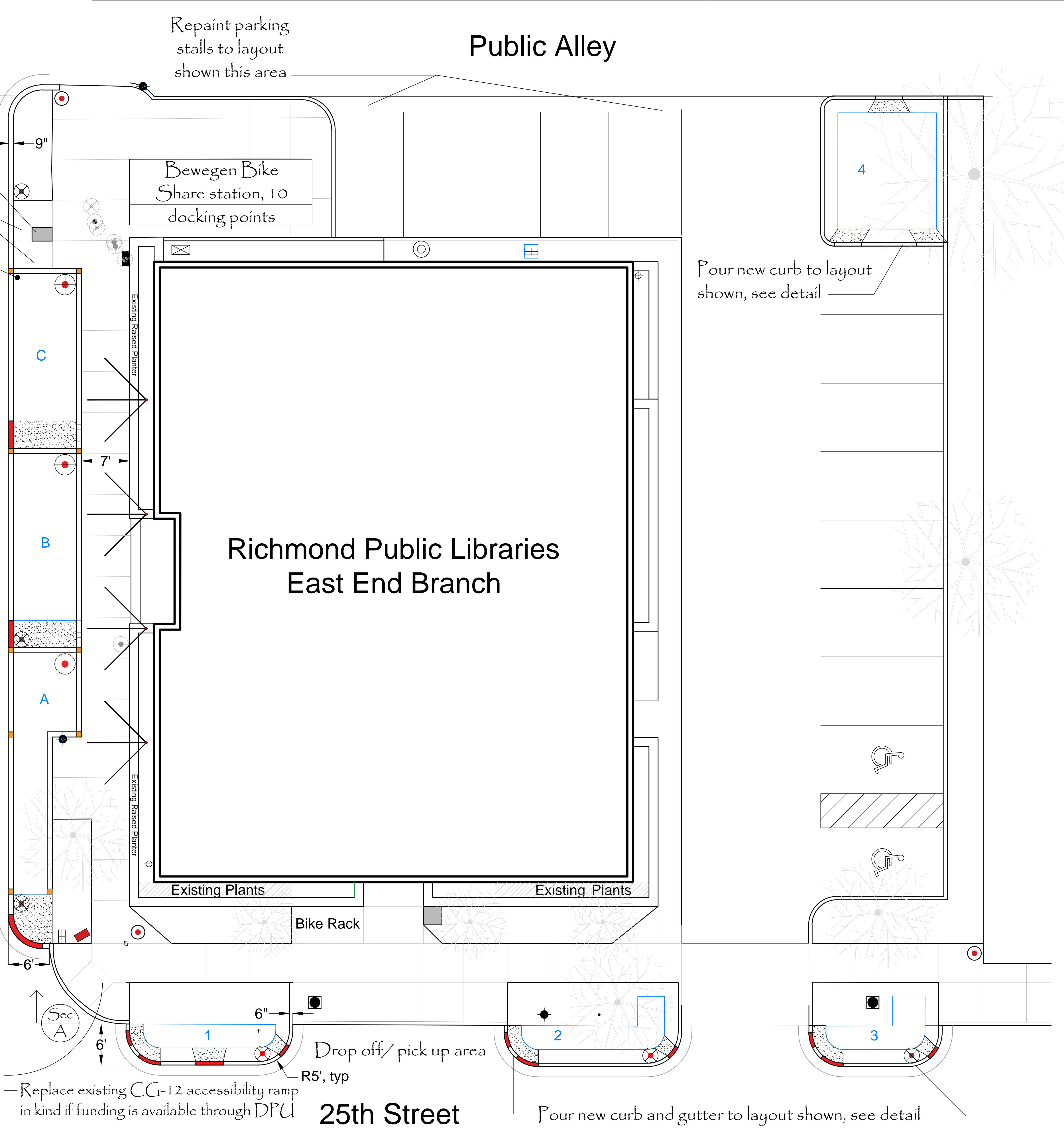
These structures are intended as a vine climber to shade the existing windows on the south side of the building which get quite hot in the summer and the glare makes it difficult to use computer screens. The intent is to secure funding through the Richmond Public Art Commission for the trellises; this may also provide a venue to further develop the form of the structures.

Pour new curb and gutter to layout shown, see detail

Bike Share power housing and wayfinding station

Pour new concrete sidewalk to accommodate bike share kiosk

Overflow standpipe, outlet back into street



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Plant Schedule

Code	Botanical Name	Common Name
AR	Acer rubrum	Red Maple
AA	Aronia arbutifolia 'Low Scape'	Red Chokeberry
CL	Chasmanthium latifolium	Sea Oats
CA	Clethra alnifolia 'Hummingbird'	Dwarf Clethra
GR	Gelsemium rankinii	Fall Carolina Jasmine
GS	Gelsemium sempervirens	Carolina Jasmine
IV	Ilex vomitoria 'Bordeaux'	Dwarf Yaupon Holly
IT	Itea virginica 'Merlot'	Sweetspire
JH	Juniperus horizontalis 'Bar Harbor'	Creeping Juniper
MV	Magnolia virginiana	Sweetbay Magnolia
PA	Panicum amarum 'Dewey Blue'	Atlantic Coastal Panic Grass
PV	Panicum virgatum 'Heavy Metal'	Switch Grass
PV2	Panicum virgatum 'Shenandoah'	Switch Grass
RA	Rhus aromatica 'Low Grow'	Fragrant Sumac

AR



AA



CL



CA



GR & GS



IV



JH



MV



PA



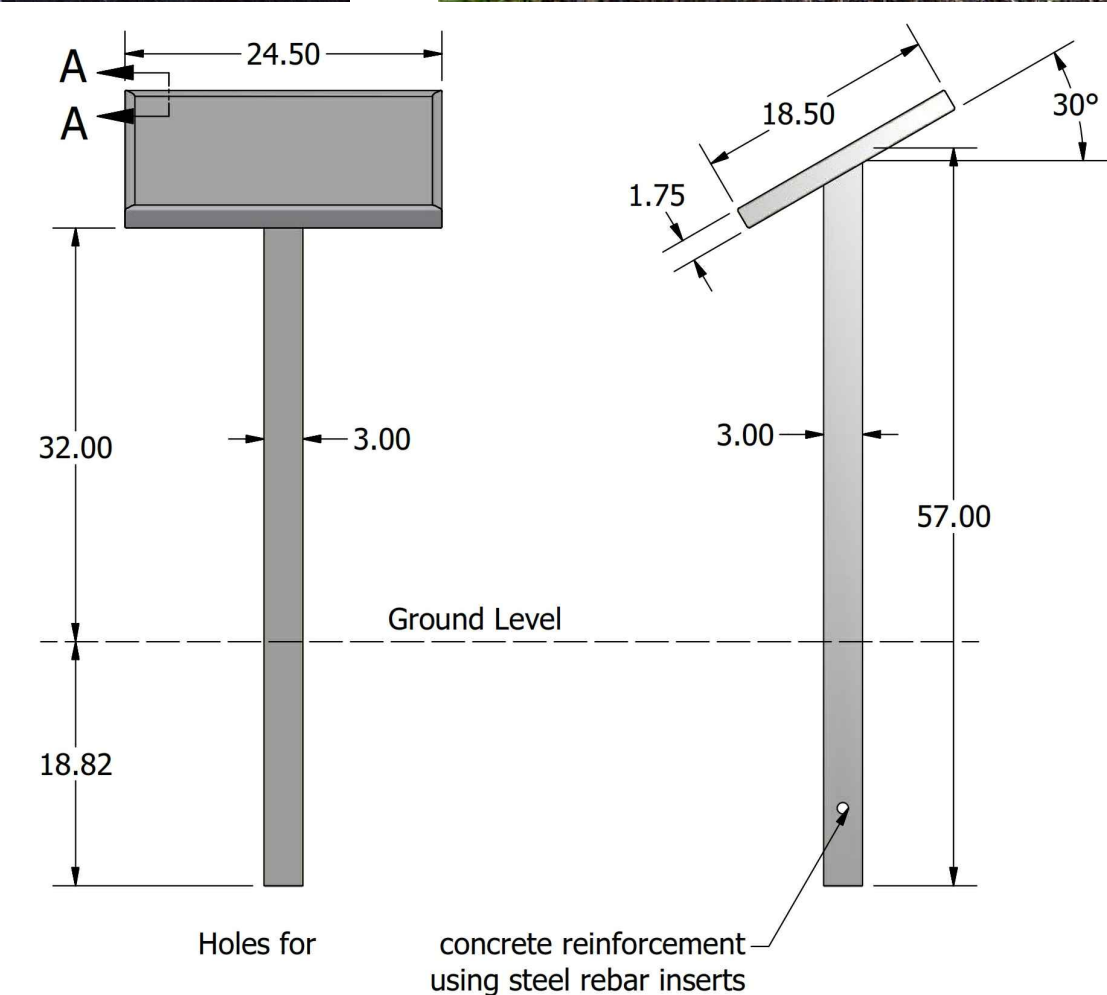
PV



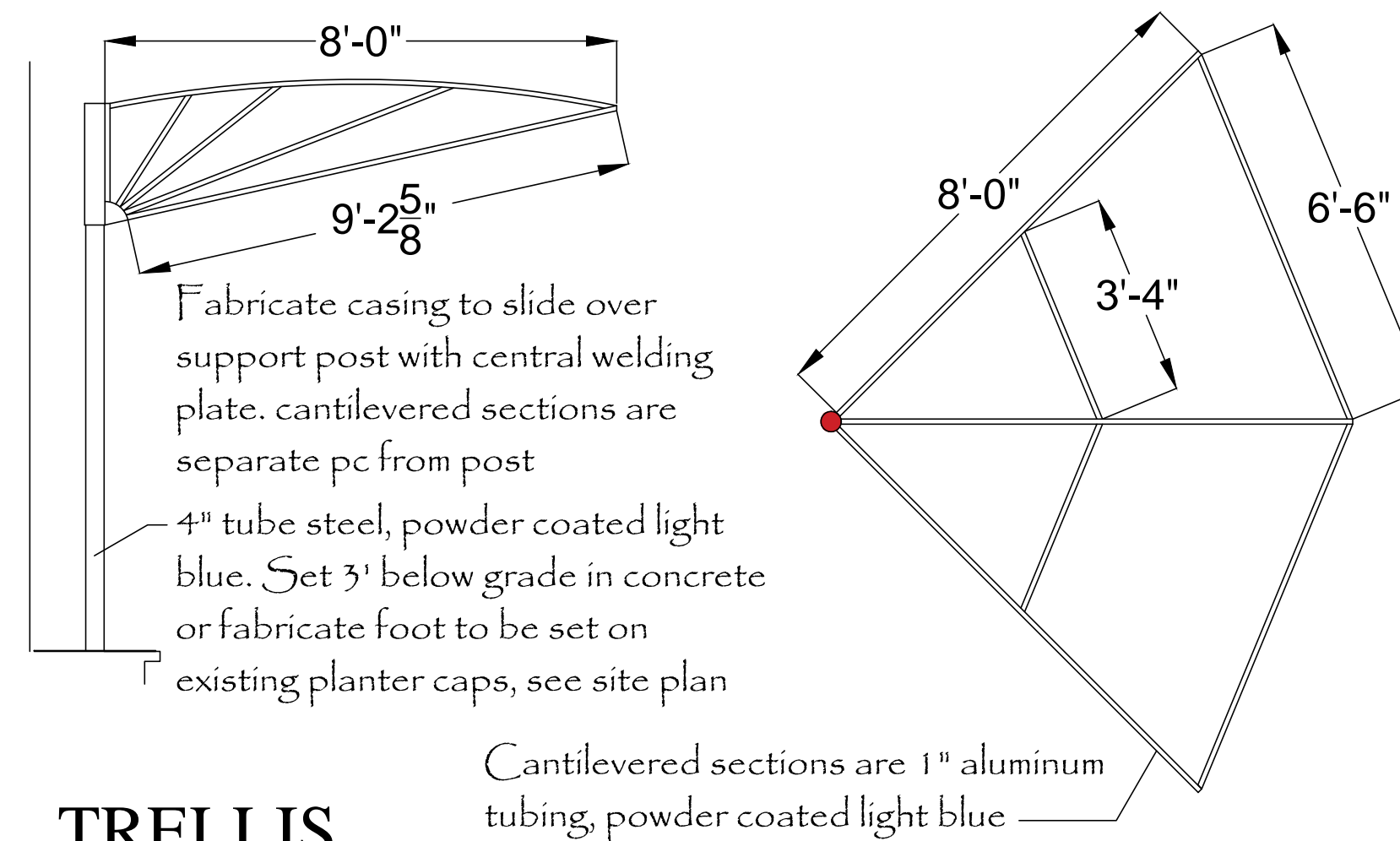
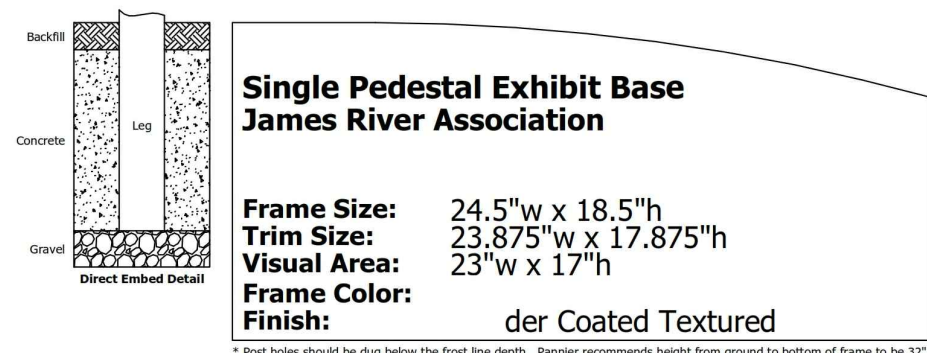
PV2



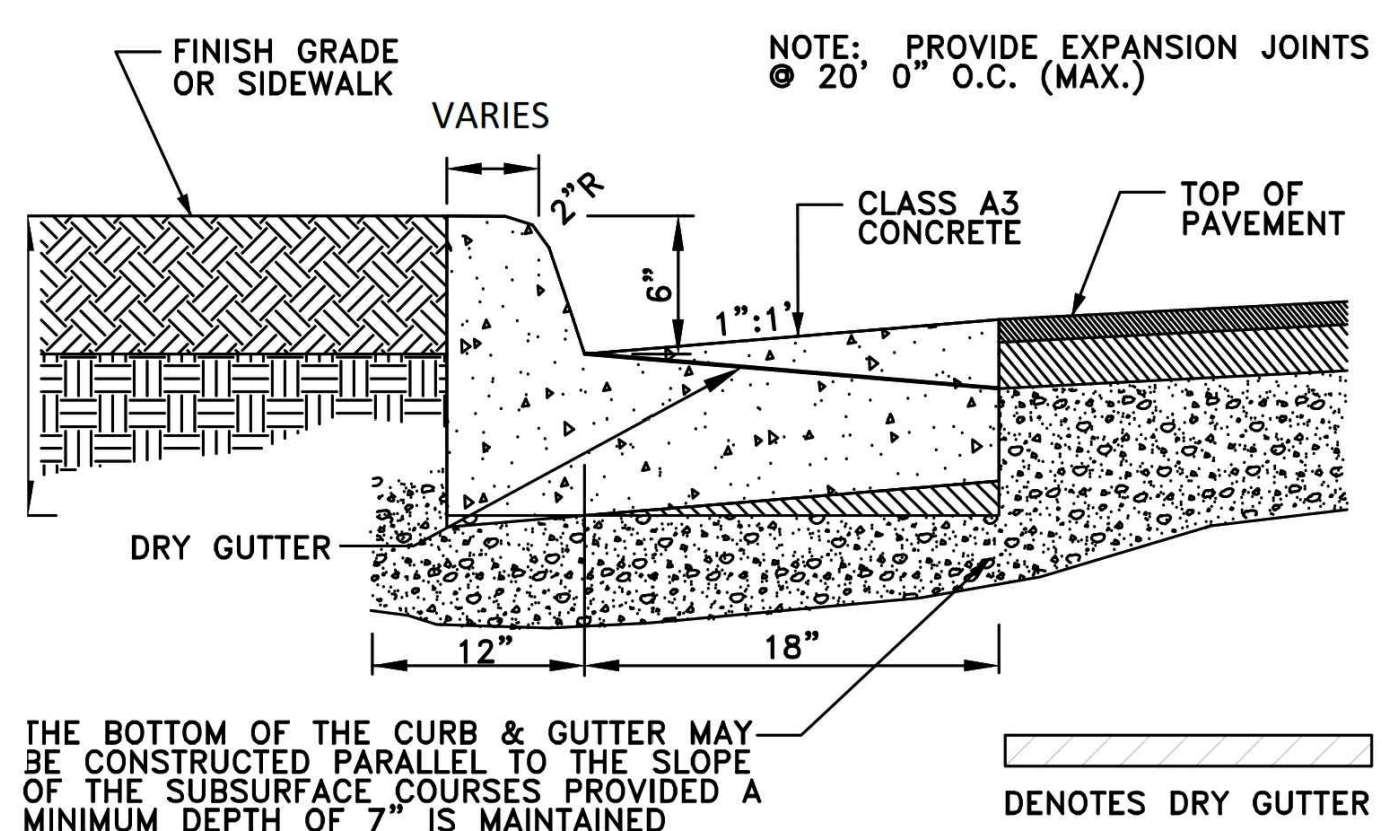
RA



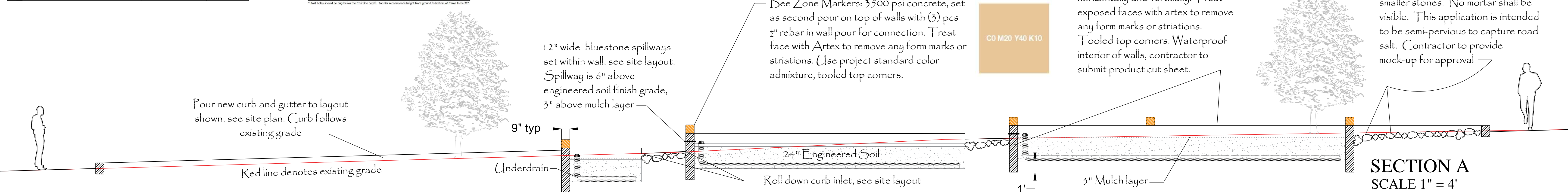
HARDWARE INCLUDED		
Type	QTY	Image
1/4"-20 x 3/8" Stainless Steel Hex Drive Button Head Screws	4 each	
5/32" Hex Key	1 each	
1/4" Aluminum Drive Rivets	2 each	



TRELLIS
NO SCALE



CURB AND GUTTER DETAIL
NO SCALE



SECTION A
SCALE 1" = 4'

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- Backflow preventer
- City Street Lights
- City Utility Pole
- Hose Bib
- City Electrical Vault
- Gas Vault
- Clean out
- Bollard, 8
- Proposed Trash Can, 3
- Interpretive Sign
- Proposed Bioretention Basins
- Velocity reducer & trash/salt trap, see detail
- Bee Zone Markers, 10
- Bioretention basin inspection port, connect to underdrain, see notes
- Freestanding Trellis

Existing Trees & Shrubs To Be Preserved:

NOTES

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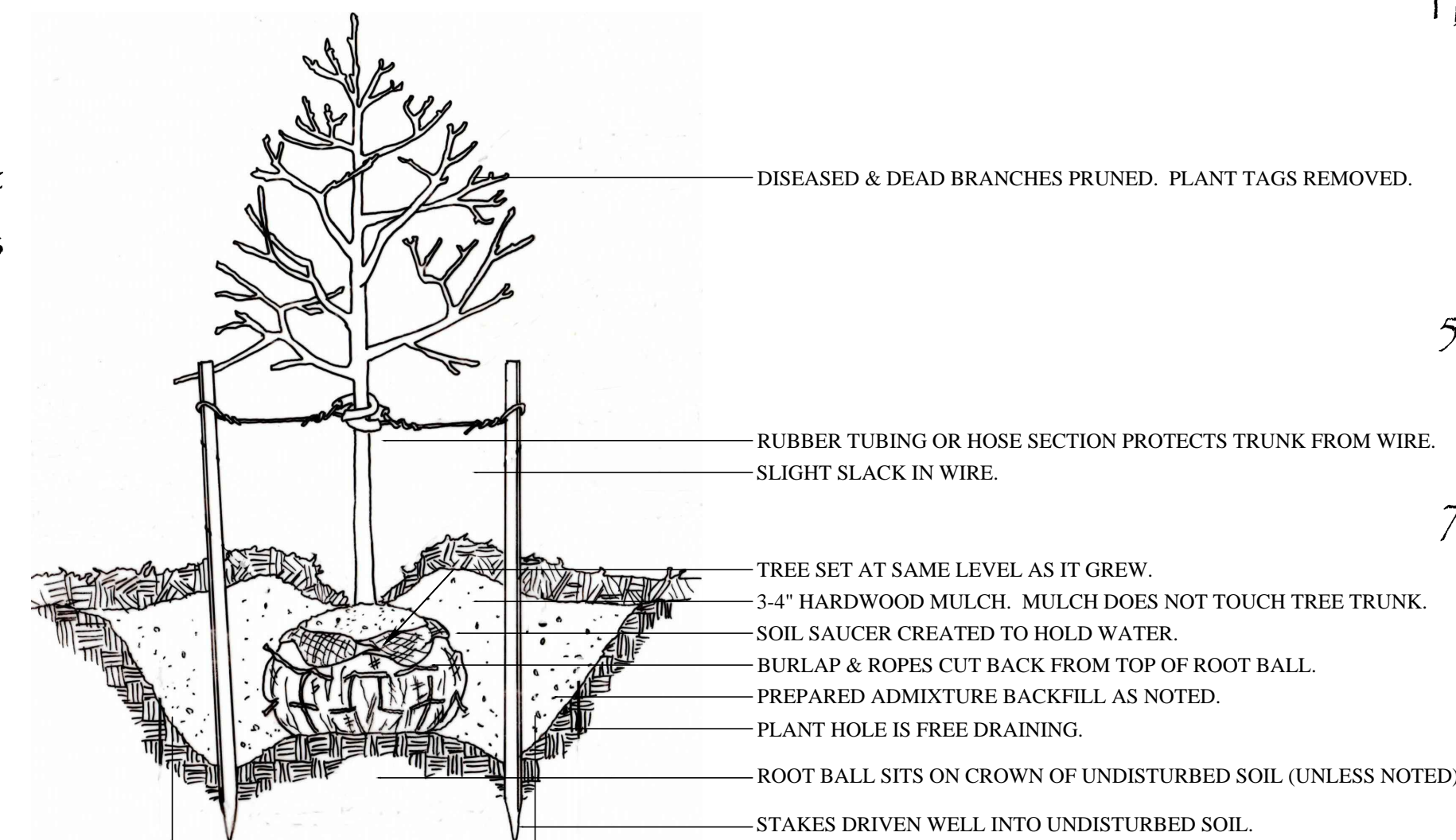
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GRASS AND PERENNIAL SELECTION SUBJECT TO AVAILABILITY AT THE TIME OF INSTALLATION. ALL SPECIES WILL BE EAST COAST NATIVES.

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
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'	Sweetpire	10	3 Gal
JH	Juniperus horizontalis 'Bar Harbor'	Creeping Juniper	11	3 Gal
MV	Magnolia virginiana	Sweetbay Magnolia	7	7-8'
PA	Panicum amarum 'Dewey Blue'	Atlantic Coastal Panic Grass	103	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	14	3 Gal



Tree Planting
Scale: none

