

City of Richmond Department of Planning & Development Review

LOCATION: 1001 E. Leigh Street COUNCIL DISTRICT: 6 PROPOSAL: Review of an encroachment (pedestrian bridge) for VCU Health System Adult Outpatient Facility at 1001 E. Leigh Street. Encroachment

trian Facility

For questions, please contact Josh Son at 646-3741 or joshua.son@richmondgov.com



RICHMOND VRGINIA,	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 http://www.richmondgov.com/CommitteeUrbanDesign		
Application Type Addition/Alteration to Existing Structure New Construction Streetscape Site Amenity	Review Type Encroachment Master Plan Sign Other		
Project Name: <u>VCU Health System Adult Out</u> Project Address: <u>1001 E. Leigh St.</u> Brief Project Description (this is not a replacemen The New Adult Patient Facility will be a between 10 th & 11 th St. along Leigh St. The AOF and the existing dentral building a	t for the required detailed narrative): constructed on the site of the old VCTT new pedestrics bridge. will connect the new cross 11 th St.		
Applicant Information (on all applications other than encroachments, a City agency representative must be the applicant)			
Name: Brenton Barefoot (SLL for VCU HS) City Agency: VCU Health System Address: 1001 E. Marshell St. Suite 2007 Main Contact (if different from Applicant):	Email: <u>brenton.bcrefcot@am.SlL.com</u> Phone: <u>804-678-3502</u> Richmond VA 23298		
Company: Email: <u>Brenton, Barefoot@am.JLL.co</u>	Phone:		

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.

UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission 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.



HEALTH SYSTEM AUTHORITY

Adult Outpatient Facility (AOF)

Urban Design Committee

Conceptual Review

Pedestrian Bridge Connector StudyUDC Meeting:September 6, 2018UDC Submission:August 16, 2018



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PROJECT NARRATIVE

Architectural Narrative

The new 600,000 SF VCU Health Ambulatory Outpatient Facility (AOF) project will reinvent the outpatient and clinical landscape of the VCU Health System. The project includes a new 17-story high rise ambulatory (outpatient) tower to include cancer treatment, facilities, clinics, and required support space. The project also includes a new, connected 9-tier open parking garage. Fronting Leigh Street and strategically situated between 10th & 11th streets, the new AOF building will become a gateway project for VCU Health's urban medical campus.

Designed with a timeless aesthetic and approach to materiality, the AOF building is a 360 degree building where all sides are important. The numerous flows of movement and access by programmatic category have all been carefully studied and planned to meet VCU Health's needs. Access, flow, staging, and a high volume of daily visits can all be accommodated to provide ease of access.

A necessary part to facilitate that ease of access is the proposed elevated pedestrian walkway that will span 11th Street. This proposed walkway will connect the new AOF building to the existing (Woods and Perkinson) and future VCU School of Dentistry buildings to the east and is essential for the safe, secure passage of students/faculty and their supplies between these buildings. The new AOF Building is planned to contain two levels of clinic space for the VCU School of Dentistry at roughly 100,000 SF total. There will be substantial foot traffic by the School's students and faculty between the AOF and the existing buildings. A large volume of pedestrians crossing 11th St. during peak hours poses both a safety risk, as well as the potential to hinder vehicular traffic flows. For the purposes of safety for the pedestrians, as well as protecting students/faculty and their supplies from the elements, an elevated pedestrian walkway connecting the buildings is required.





PROJECT NARRATIVE

Precedent Study | Glass Curtain Wall (SSG) & Metal Panel Pedestrian Connector; Simple Exposed Structure





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STRUCTURAL DESIGN

Structural Narrative | A. Parallel Truss

The proposed Pedestrian Connector will be a steel framed structure consisting of parallel truss elements. The trusses will be constructed of steel HSS vertical and diagonal members that are fully welded to avoid visible gusset plates at panel points. Steel wide flange beams will span perpendicularly between trusses to support the floor and roof of the bridge. The walking surface at the floor will consist of a concrete slab on composite metal deck while the roof of the bridge will be metal deck. The bridge will be supported on the southwest end (at the Adult Outpatient Facility Grid H) from the concrete spandrel beam and from a new concrete column across 11th Street at the exterior of the Woods Building. The bridge will be structurally separated from the existing Woods Building by cantilevering from this new column and expansion joints will be provided at the interface between the bridge and the existing building.

Structural Narrative | B. Vierendeel Truss

VCUHealth.

As an alternate to the Parallel Truss option, the proposed Pedestrian Connector will be a steel framed structure consisting of parallel vierendeel truss elements. The chord and web members will be W14 shapes, and in lieu of diagonals the web and chord members will be moment connected. Steel wide flange beams will span perpendicularly between trusses to support the floor and roof of the bridge. The walking surface at the floor will consist of a concrete slab on composite metal deck while the roof of the bridge will be metal deck. In-plane diagonal steel bracing will be used at the roof and potentially at the floor for lateral stiffness. The bridge will be supported on the west end (at the Adult Outpatient Facility Grid H) from the concrete spandrel beam and from a new concrete column across 11th Street at the exterior of the Woods Building. The bridge will be structurally separated from the existing Woods Building by cantilevering from this new column and expansion joints will be provided at the interface between the bridge and the existing building.





AERIAL PLAN







VCU Health System Adult Outpatient Facility

SITE PLAN



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AERIAL VIEW – SW CORNER





STREET VIEW – SW CORNER





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STREET VIEW – SW CORNER





BRIDGE ELEVATION



BRIDGE SECTION 1











MASTER DRAWING INDEX

LEGEND

4 1/2" CALIPER SHADE TREE SEE SCHEDULE

3 1/2" CALIPER ORNAMENTAL TREE SEE SCHEDULE

LOW SHRUB PLANTINGS W/ GROUNDCOVER/PERENNIAL

/ XX `

LAWN AREA

ARCHITECTURAL GRAVEL AREA

PLANT TAG LABEL

LAYOUT NOTES

- 1. CONTRACTOR SHALL LAYOUT ALL SITE ELEMENTS FOR A/E APPROVAL PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL PROVIDE LAYOUT FOR A/E APPROVAL PRIOR TO INSTALLATION.
- 3. CONTRACTOR SHALL LAYOUT ALL PAVEMENT & STRIPING FOR A/E APPROVAL PRIOR TO INSTALLATION.
- 4. ALL CURB CONTROLS, & CURB RADII FROM FRONT FACE OF CURB UNLESS OTHERWISE NOTED.
- 5. WALKWAY DIMENSION FROM FRONT FACE OF CURB.
- 6. CONTRACTOR TO CALL FOR UTILITY LAYOUT TO BE MARKED IN FIELD PRIOR TO STARTING ANY WORK OR EXCAVATIONS FOR TREE PLANTINGS.

PLANTING NOTES

- 1. THE FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE A/E & 0/R.
- 2. SEE THE AMERICAN STANDARD FOR NURSERY STOCK SPECIFICATIONS 2014 FOR ADDITIONAL PLANTING REQUIREMENTS.
- 3. FOR PLANT LIST AND DETAILS, SEE SHEET LP-XXX.
- 4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING AND PROPOSED SITE UTILITIES PRIOR TO THE INSTALLATION OF PLANT MATERIAL. IF A CONFLICT ARISES, NOTIFY A/E.
- 5. PROVIDE 3" SHREDDED COMPOSTED HARDWOOD BARK MULCH CONTINUOUS UNDER PLANT MASSINGS AND AROUND INDIVIDUAL PLANTS.
- 6. PERFORM WORK IN ACCORDANCE WITH THE ANLA: AMERICAN NURSERY AND LANDSCAPE ASSOCIATION OF NURSERYMEN STANDARDS.
- 7. PLANTING SHALL BE GUARANTEED FOR A PERIOD OF ONE GROWING SEASON BEYOND THE TIME OF PLANTING.
- 8. CONTRACTOR SHALL ALLOW FOR THE STAKING OF 10% OF THE TOTAL NUMBER OF SHADE, EVERGREEN, AND ORNAMENTAL TREES. ALL STREET/CANOPY TREES TO BE STAKED.
- 9. LANDSCAPE CONTRACTOR TO WATER AND MAINTAIN ALL INSTALLED PLANT MATERIAL AS NECESSARY TO PROMOTE PROPER ESTABLISHMENT OF ALL PLANTINGS.
- 10. LANDSCAPE CONTRACTOR TO GUARANTEED AND REPLACE ANY INSTALLED PLANT MATERIAL FOR PERIOD OF 1 YEAR FROM TIME OF FINISHED INSTALLATION.

PLANT SCHEDULE

				1	1
TREE	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
QP	10	QUERCUS PHELLOS	WILLOW OAK	4 1/2" CALIPER	B&B - 6' LIMB HEIGHT
LS	4	LAGERSTROEMIA SPECIES	CREPE MYRTLE	3 1/2" CALIPER	B&B - MULTI-STEM
xx	x	xxxxxx	xxxxx	xxxxx	xxxxx
SHRUB					
XX		XXXXXX	XXXXX	XXXXX	XXXXX
GROUNDCOVER					
XX		XXXXXX	XXXXX	XXXXX	XXXXX
ORNAMENTAL GRASSES AND PERENNIALS					
XX		XXXXXX	XXXXX	XXXXX	XXXXX

LEGEND

	CENTERLINE
	CONCRETE PAVERS
	CONCRETE SIDEWALK
	CONCRETE PAVING
	HEAVY DUTY CONCRETE
	LANDSCAPE GRAVEL AREA
	LANDSCAPE AREA
	CONCRETE OR GRANITE CURB
	CONCRETE WALL
-0-0-0-0-0-0	SCREEN FENCE/GATES
-	N/E COORDINATE LAYOUT POINT
S	SANITARY MANHOLE
D	DRAINAGE MANHOLE
\vdash	GROUND HYDRANT
	EXISTING CONTOUR
X	EXIST. SPOT ELEVATION
Š	NEW SITE LIGHT
-\$	EXISTING SITE LIGHT
•	SECTION NUMBER
	AST . CURB—— MATERIAL
SECTIO	N DESIGNATION
	7/CL2.0 SHEET NUMBER
DETAIL NUMB	
,	NUMBER
PRECAST	5
\	MATERIAL DESCRIPTION

LAYOUT NOTES

- 1. CONTRACTOR SHALL LAYOUT ALL SITE ELEMENTS FOR A/E APPROVAL PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL STAKE FENCE LAYOUT FOR A/E APPROVAL PRIOR TO INSTALLATION.
- 3. CONTRACTOR SHALL LAYOUT ALL SIGNAGE & STRIPING FOR A/E APPROVAL PRIOR TO INSTALLATION.
- 4. ALL CURB CONTROLS, & CURB RADII FROM FRONT FACE OF CURB UNLESS OTHERWISE NOTED.
- 5. WALKWAY DIMENSION FROM FRONT FACE OF CURB.
- 6. SEE GRADING PLANS FOR ALL PROPOSED SPOT ELEVATIONS BY DRAPER ADEN ASSOCIATES - CIVIL ENGINEERING.
- 7. XXX.

HARDSCAPE KEY	
PAVING	

DETAIL DESIGNATION

P1 x st	ANDARD CONCRETE PAVING - PEDESTRIAN
(P2) (X) HE	AVY DUTY CONCRETE- VEHICULAR
	CHITECTURAL CONCRETE PAVERS
	OSSWALK / PARKING / DRIVING LANE STRIPING
	NCRETE CURBING
P6 x GF	ANITE CURBING
	NCRETE UTILITY PAD
WALLS W1 x FIN	IE FINISH CONCRETE WALL
STAIRS & RAMP	S

S1 x LS50X STANDARD CONCRETE ACCESSIBLE RAMPS W/ STAINLESS STEEL HANDRAILS

SITE FEATURES
B1 GRANITE SLAB STONE BENCH
B2 x ORNAMENTAL METAL HAND RAILING
B3 (x) COR-TEN STEEL EDGING / LANDSCAPE PLANTER
B4 (x) 6" GRANITE TREE PLANTER CURBING
B5 x STAINLESS STEEL PAVER ACCENT BANDING
B6 x 8" METAL BOLLARD
B7 x BICYCLE RACK
B8 FINE GRAVEL LANDSCAPE AREA
B9 x SCREEN FENCING AND GATES

