



## 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

<http://www.richmondgov.com/CommitteeUrbanDesign>

### Application Type

- Addition/Alteration to Existing Structure  
 New Construction  
 Streetscape  
 Site Amenity

- Encroachment  
 Master Plan  
 Sign  
 Other

### Review Type

- Conceptual  
 Final

Project Name: \_\_\_\_\_

Project Address: \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

Name: \_\_\_\_\_ Email: \_\_\_\_\_

City Agency: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

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.**

### UDC Background

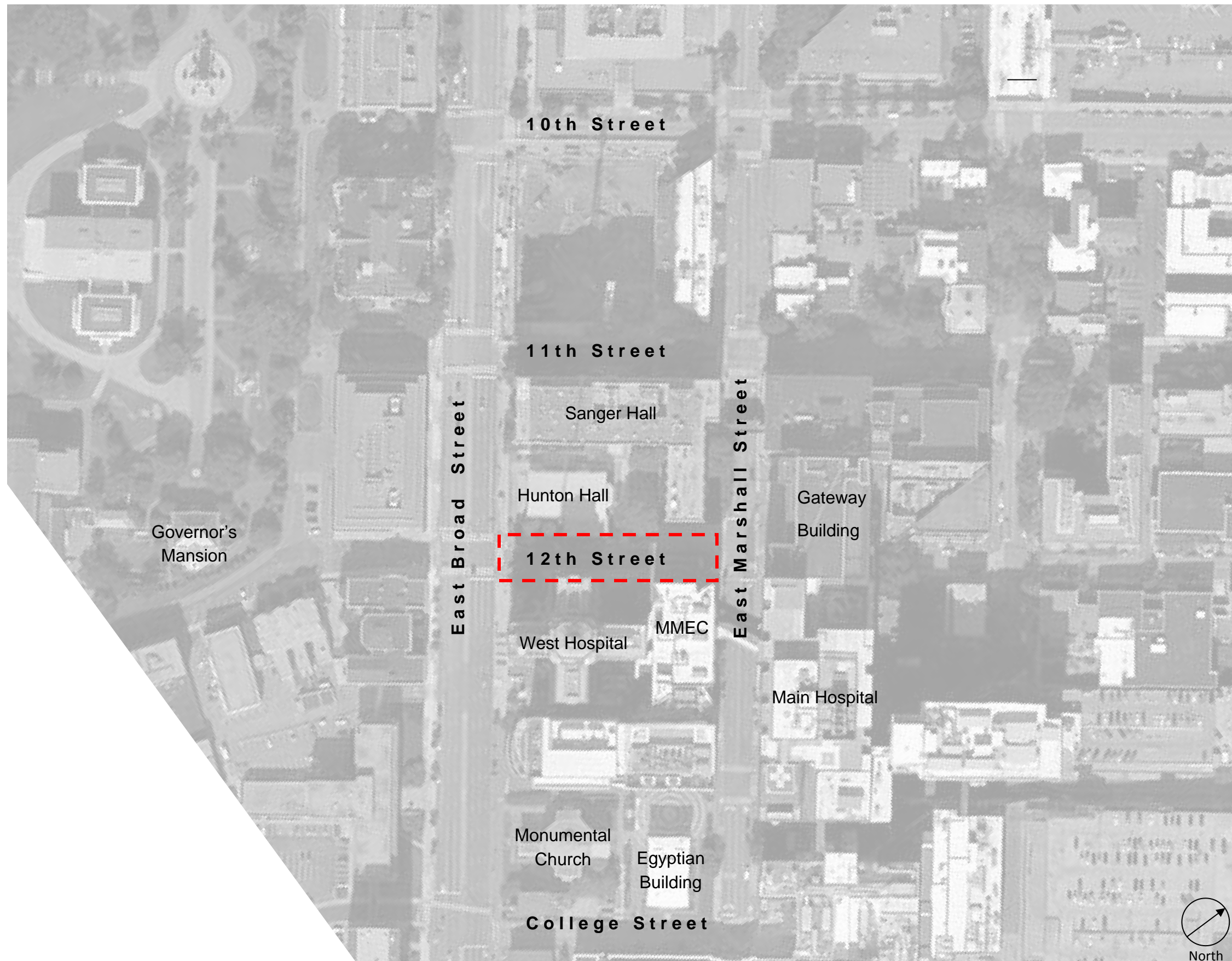
The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under 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.



**City of Richmond**  
**Urban Design**  
**Committee Submittal**  
July 16, 2015

**12th Street**  
**Pedestrian Commons**  
MCV Campus  
Virginia Commonwealth University  
Richmond, Virginia





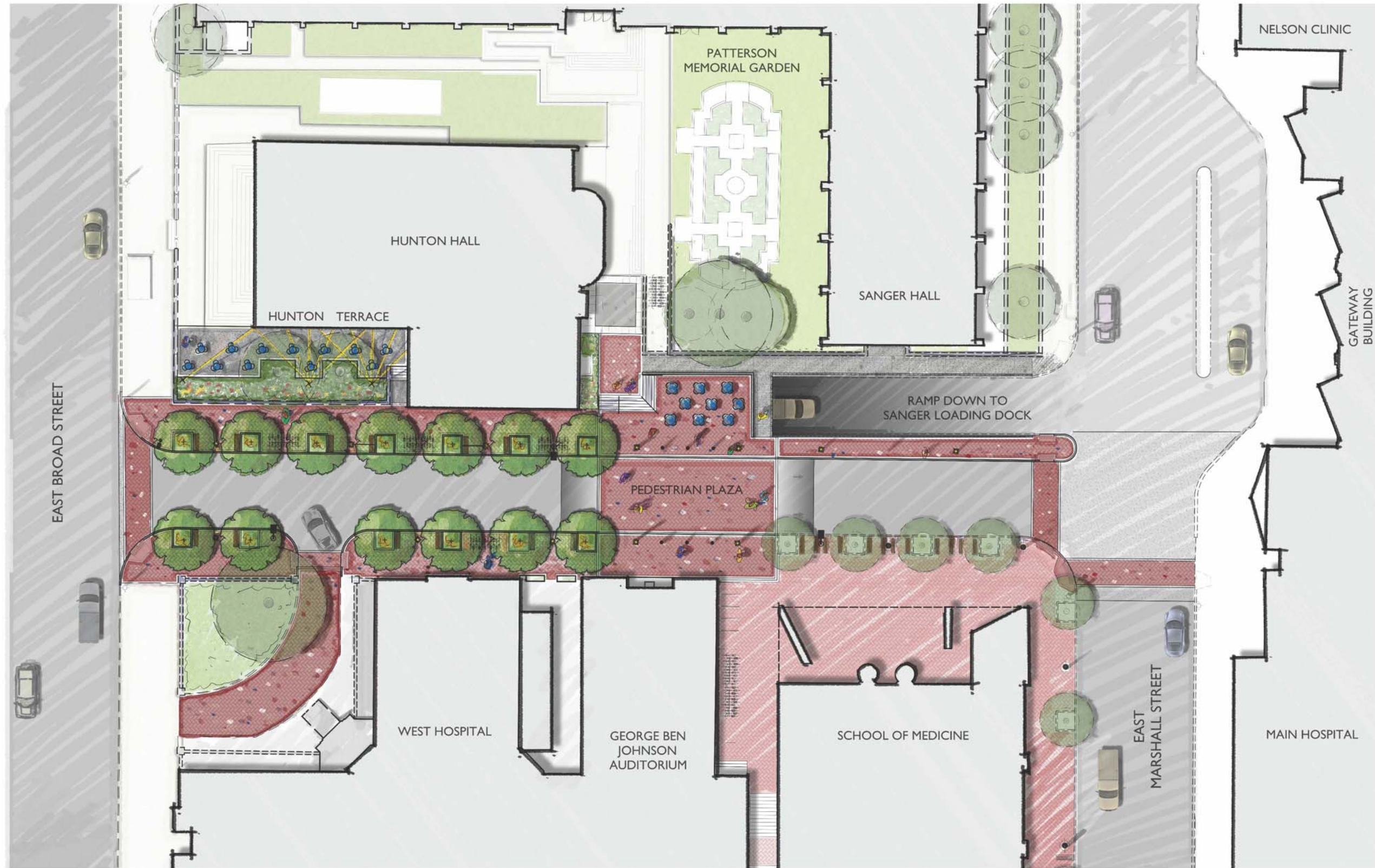
VCU is proposing streetscape improvements along 12th Street between East Broad and East Marshall Streets. The street has been closed temporarily to traffic since 2010 when construction began for the McGlothlin Medical Education Center and is scheduled to reopen to traffic when the Children’s Pavilion on Broad Street opens in 2016.

This project proposes to remove the short term parking in front of the George Ben Johnson Auditorium and the right turn lane onto Broad Street to provide for wider sidewalks and more street trees. The street width in front of McGlothlin will be maintained at its current width (26 feet) for the length of the block. Brick paver cross walks are proposed at both Broad and Marshall Streets. A raised brick paver speed table is proposed in the center of the block to slow vehicular traffic and allow for pedestrians to cross the street.

New lighting will consist of the VCU standard ornamental fixture as a supplement to the existing cobra head style light fixtures. One additional cobra head light is proposed in front of McGlothlin to provide more even lighting.

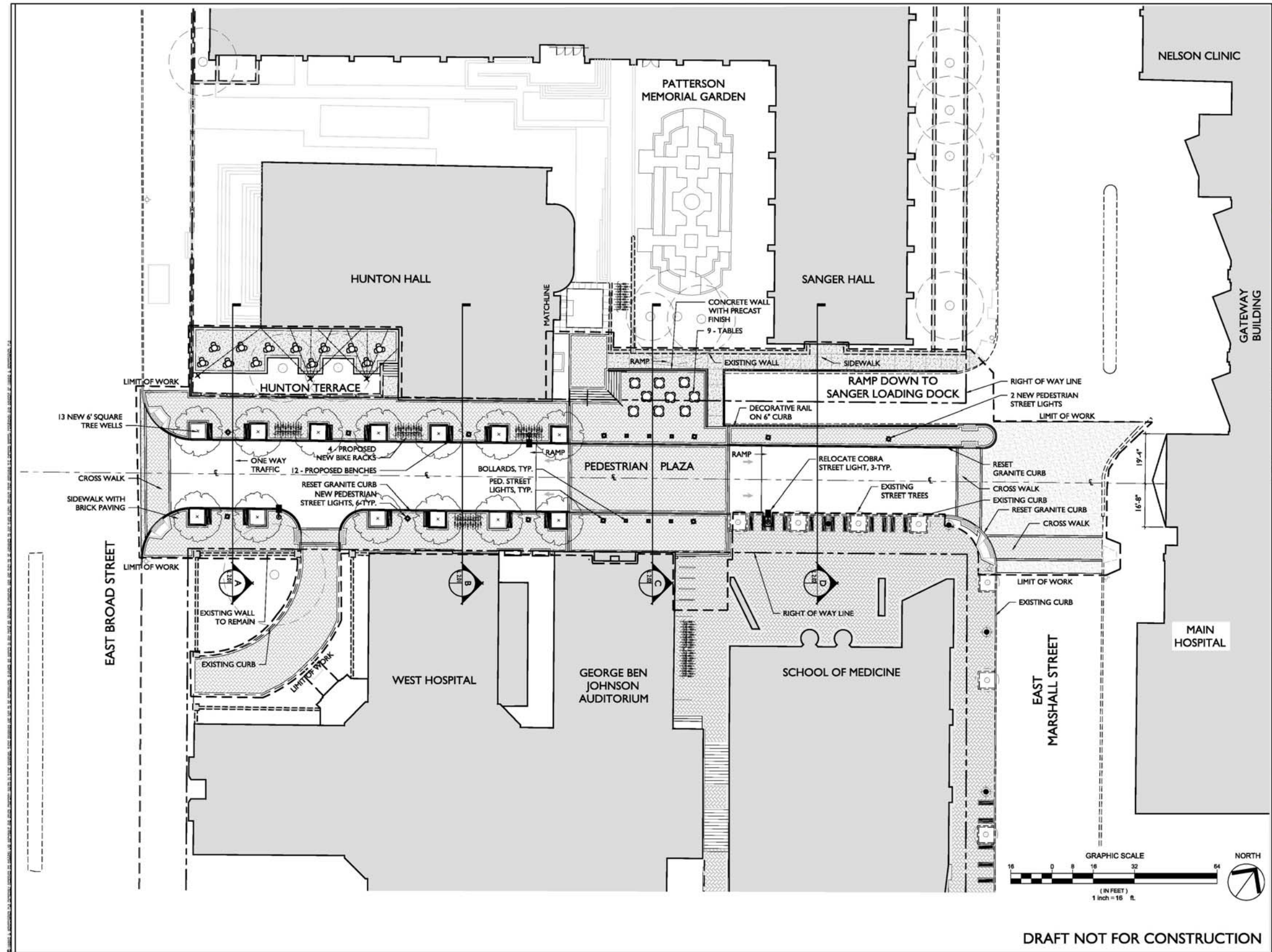
We propose removing the concrete wall above grade that surrounds the Sanger Hall loading dock ramp and replace it with an ornamental metal railing. We also propose covering over a portion of the opening and creating an outdoor plaza with tables with attached seating.

Street tree plantings will use the “suspended slab” detail which provides the tree roots with an increased soil volume. This detail was used on McGlothlin.



Rendering

12 Street Pedestrian Commons  
July 16, 2015



**STEWART / HG**  
STRONGER BY DESIGN  
8771 GRIFFIN AVENUE  
RICHMOND, VA 23228  
781A.WE700

Client:  
MCV CAMPUS  
VIRGINIA COMMONWEALTH UNIVERSITY  
NORTH 12TH STREET  
RICHMOND, VIRGINIA 23219

**VCU**

Project:  
**12TH STREET  
PEDESTRIAN  
COMMONS**

Civil Engineer:  
**vhb**  
VHB  
115 South 15th Street, Suite 200  
Richmond, VA 23219  
(804) 343-7100

Structural Engineer:  
**DMW**  
Dunbar Milby Williams Pittman & Vaughan  
1025 Boulevard Parkway, Suite 310  
Richmond, VA 23225  
(804) 323-0656

Seal:

PRELIMINARY - DO NOT USE FOR CONSTRUCTION  
Issued for:  
**UDC SUBMITTAL**

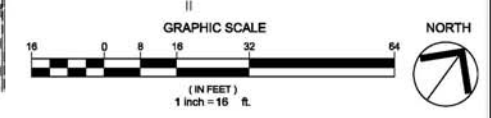
No.	Date	Description

Scale: SEE PLAN

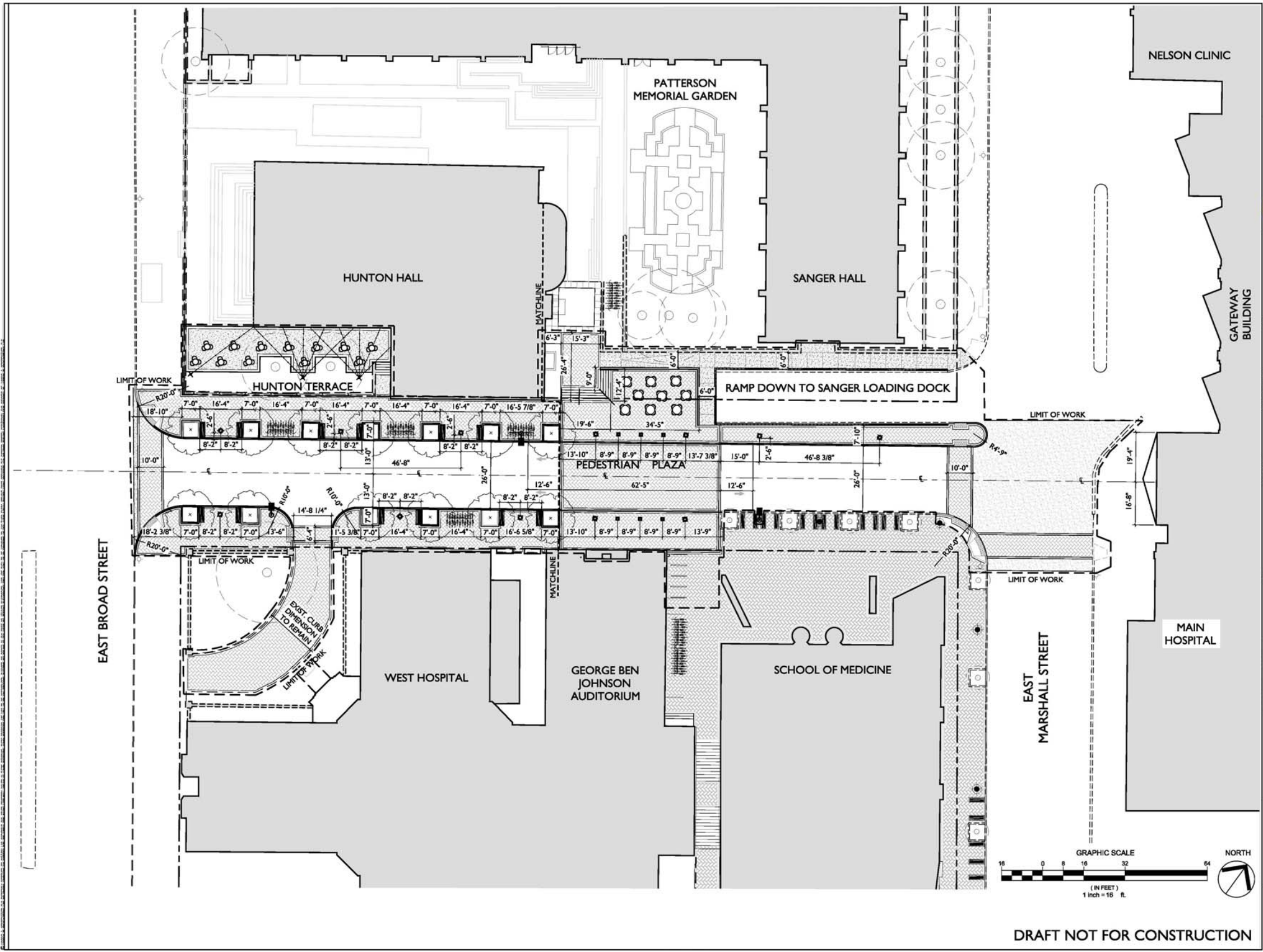
Title:  
**ILLUSTRATIVE  
SITE PLAN**

Project number: M15006.00 Sheet:  
Date: 07.16.2015  
Drawn by: CKW  
Approved by: KCT  
Checked by: DOG

**L 1.01**



DRAFT NOT FOR CONSTRUCTION



**STEWART / HG**  
STRONGER BY DESIGN

875 GRADE AVENUE  
RICHMOND, VA 23208  
781.412.7300

Client:  
MCV CAMPUS  
VIRGINIA COMMONWEALTH UNIVERSITY  
NORTH 12TH STREET  
RICHMOND, VIRGINIA 23219

**VCU**

Project:  
**12TH STREET  
PEDESTRIAN  
COMMONS**

Civil Engineer:  
**vhb**  
VHB  
115 South 15th Street, Suite 200  
Richmond, VA 23219  
(804) 343-7100

Structural Engineer:  
**DMW**  
Dunbar Milby Williams Pittman & Vaughan  
1025 Boulwers Parkway, Suite 310  
Richmond, VA 23225  
(804) 323-0656

Seal:

PRELIMINARY - DO NOT USE FOR CONSTRUCTION  
Issued for:  
**UDC SUBMITTAL**

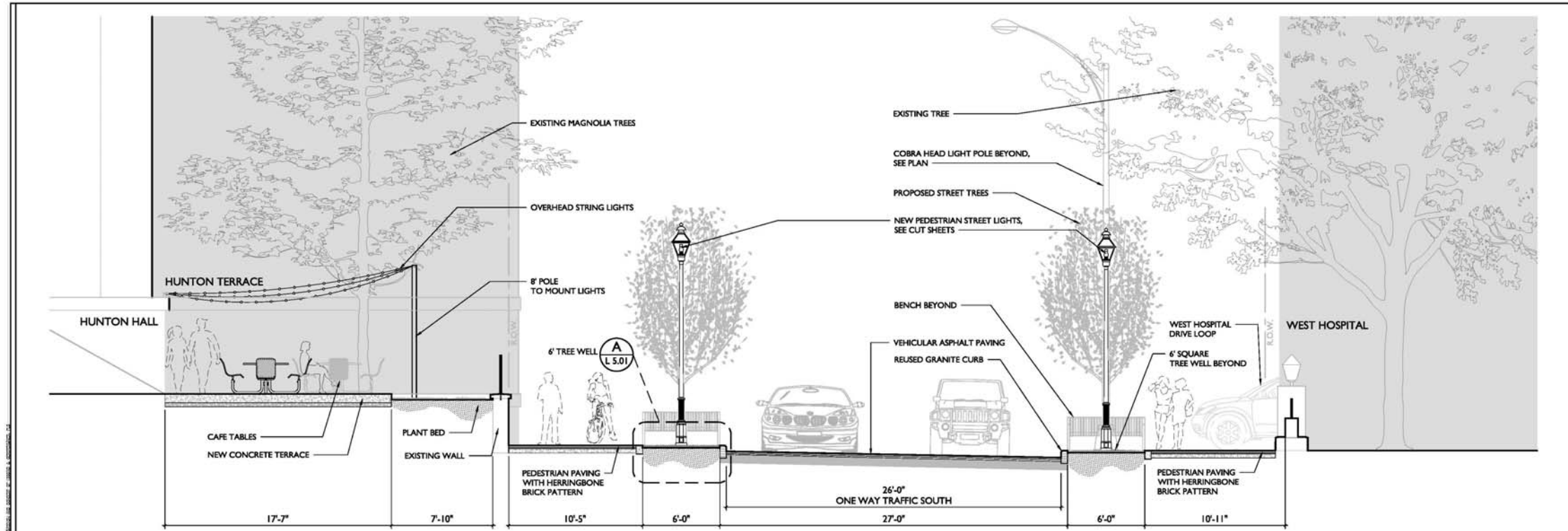
No.	Date	Description

Scale: SEE PLAN

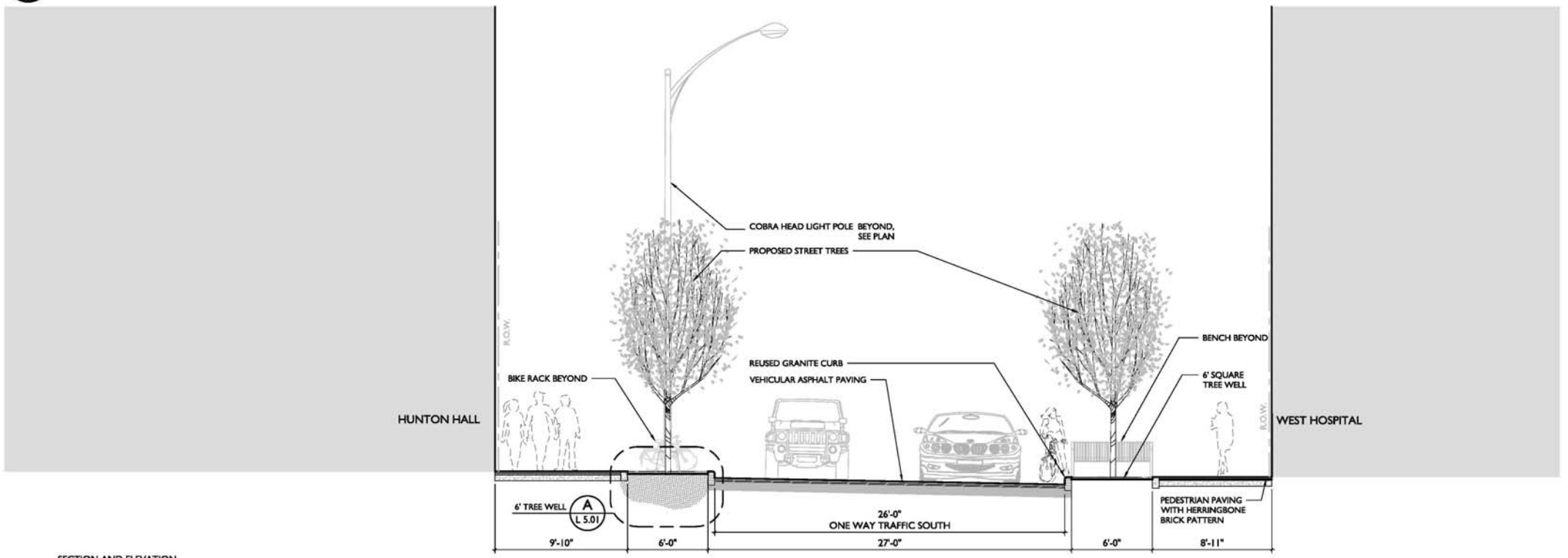
Title:  
**ILLUSTRATIVE  
LAYOUT**

Project number: M15006.00 Sheet:  
Date: 07.16.2015  
Drawn by: CKW  
Approved by: KCT  
Checked by: DCG  
**L 1.02**

DRAFT NOT FOR CONSTRUCTION



**A** SECTION AND ELEVATION  
**HUNTON HALL TERRACE TO WEST HOSPITAL DRIVE**  
 SCALE: 1/4" = 1'-0"



**B** SECTION AND ELEVATION  
**TYPICAL 26' STREET SECTION**  
 SCALE: 1/4" = 1'-0"

DRAFT NOT FOR CONSTRUCTION



Client:  
 MCY CAMPUS  
 VIRGINIA COMMONWEALTH UNIVERSITY  
 NORTH 12TH STREET  
 RICHMOND, VIRGINIA 23219



Project:  
**12TH STREET  
 PEDESTRIAN  
 COMMONS**



Civil Engineer:  
 VHB  
 115 South 15th Street, Suite 200  
 Richmond, VA 23219  
 (804) 343-7100



Structural Engineer:  
 Dunbar Milby Williams Pittman & Vaughan  
 1025 Boulders Parkway, Suite 310  
 Richmond, VA 23223  
 (804) 323-0656

Seal:

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

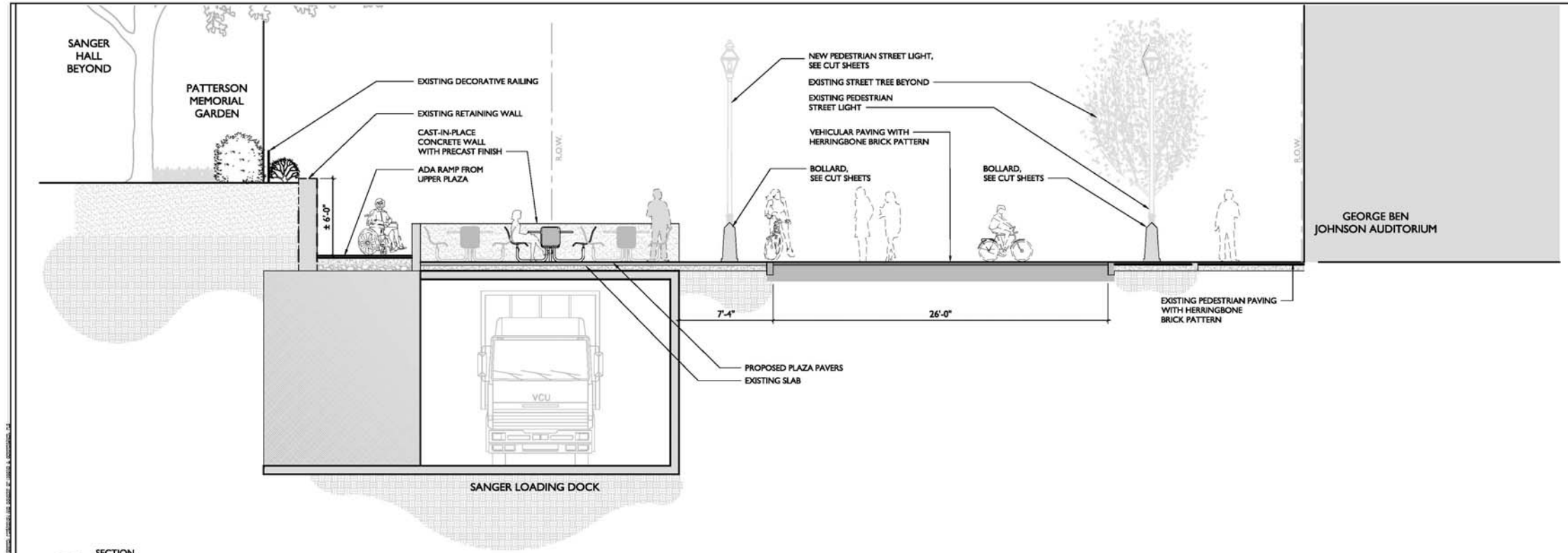
Issued for:  
**UDC SUBMITTAL**

No.	Date	Description

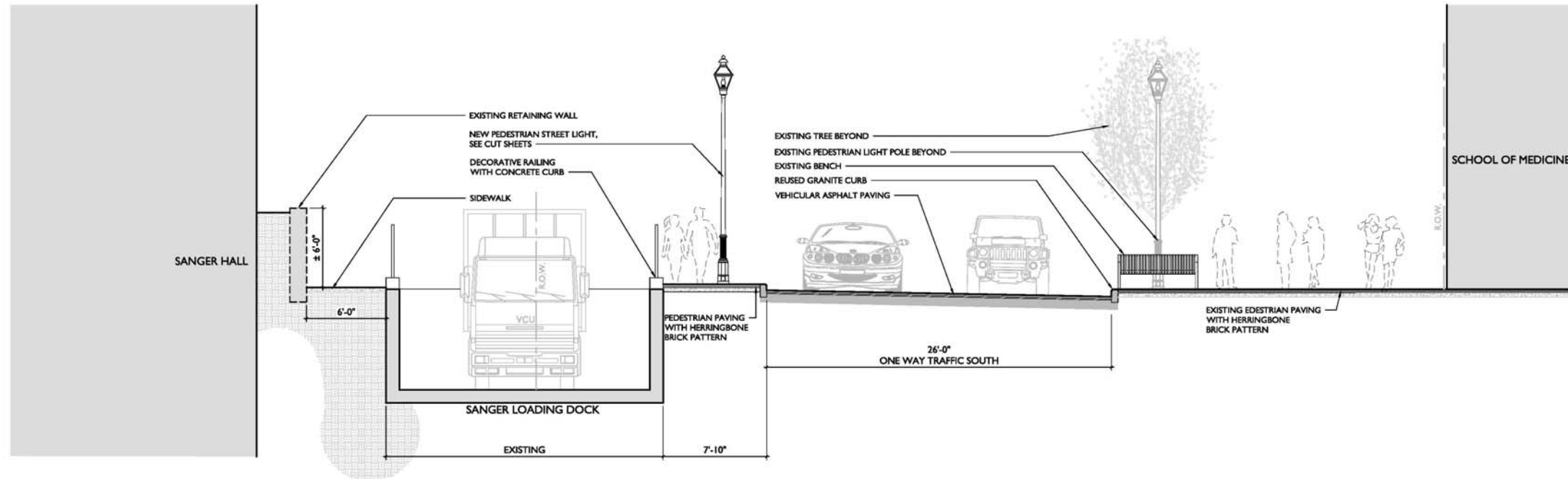
Scale: SEE PLAN

Title:  
**ILLUSTRATIVE  
 SITE SECTIONS**

Project number: M15006.00 Sheet:  
 Date: 07.16.2015  
 Drawn by: CKW  
 Approved by: KCT  
 Checked by: DCG  
**L 2.01**



SECTION  
PEDESTRIAN PLAZA  
SCALE: 1/4" = 1'-0"



SECTION  
TYPICAL 26' STREET SECTION AT LOADING DOCK  
SCALE: 1/4" = 1'-0"

DRAFT NOT FOR CONSTRUCTION



8791 GROVE AVENUE  
RICHMOND, VA 23228  
7804.760.7500

Client:

MCV CAMPUS  
VIRGINIA COMMONWEALTH UNIVERSITY  
NORTH 12TH STREET  
RICHMOND, VIRGINIA 23219



Project:

12TH STREET  
PEDESTRIAN  
COMMONS

Civil Engineer:



VHB  
115 South 15th Street, Suite 200  
Richmond, VA 23219  
(804) 343-7100

Structural Engineer:



Dunbar Milby Williams Pittman & Vaughan  
1025 Boulders Parkway, Suite 310  
Richmond, VA 23225  
(804) 323-0656

Seal:

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

Issued for:

UDC SUBMITTAL

No.	Date	Description

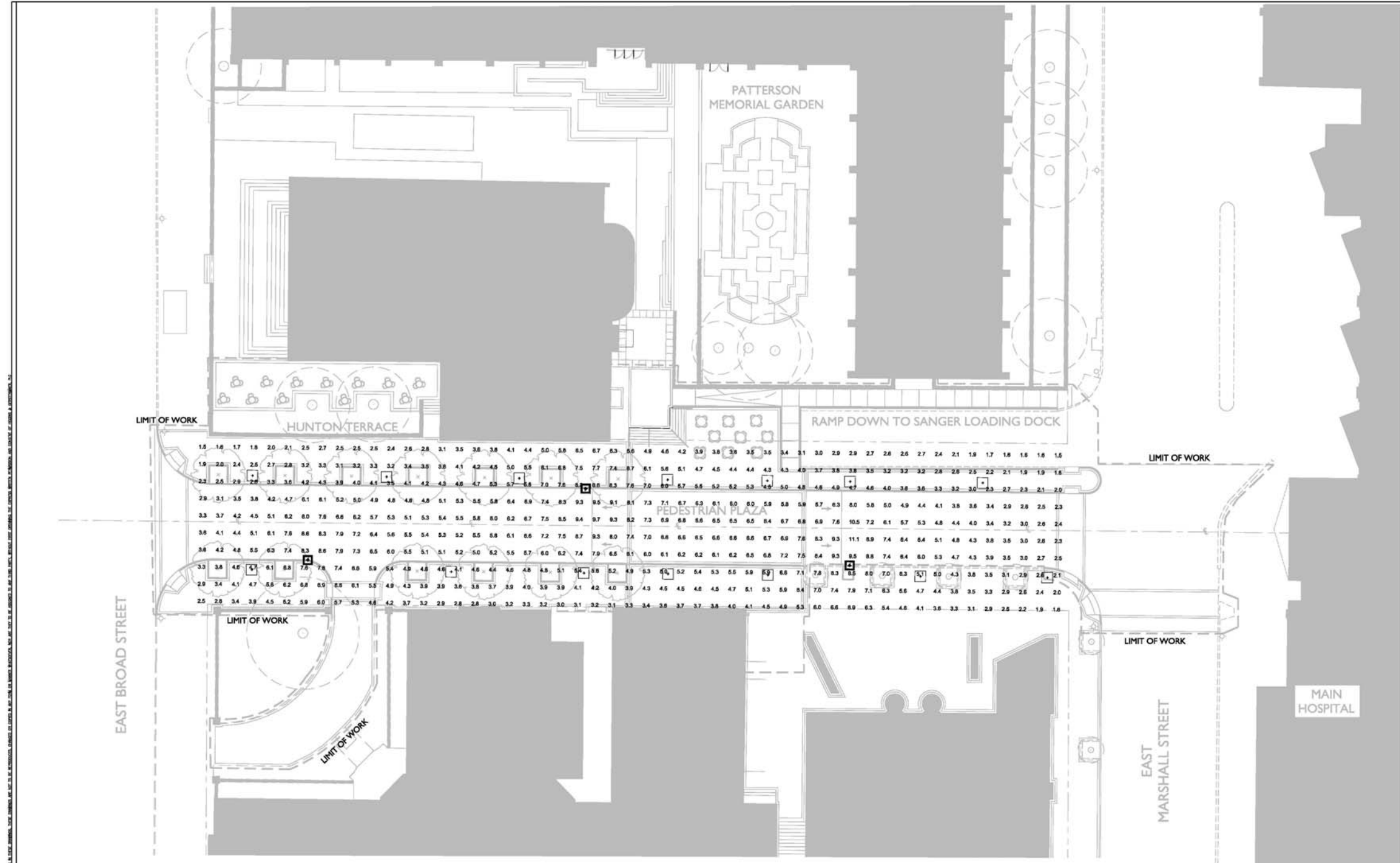
Scale: SEE PLAN

Title:

ILLUSTRATIVE  
SITE SECTIONS

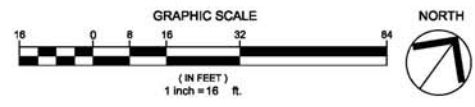
Project number: M15006.00 Sheet:  
Date: 07.18.2015  
Drawn by: CKW L 2.02  
Approved by: KCT  
Checked by: DCG





Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
SIDEWALK	Illuminance	Fc	4.27	8.6	1.5	2.85	5.73	readings taken at grade
STREET	Illuminance	Fc	5.98	11.1	2.3	2.60	4.83	readings taken at grade

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lumens/Lamp	Lum. Lumens	LLF	Description	Filename
□	14	B-T5	SINGLE	5211	5211	0.900	LANTERN36G-90-T5	BOS40-36G-T5-90w.ies
□	3	C-T2	SINGLE	50000	36648	0.720	RLCx-40Sxx-02x	RLCx-40Sxx-02x.ies



DRAFT NOT FOR CONSTRUCTION

**STEWART / HG**  
STRONGER BY DESIGN  
8701 GROUND AVENUE  
RICHMOND, VA 23228  
781.743.7100  
www.stewart-hg.com  
PROJECT # M15006.00

Client:  
VCU CAMPUS  
VIRGINIA COMMONWEALTH UNIVERSITY  
NORTH 12TH STREET  
RICHMOND, VIRGINIA 23219

**VCU**

Project:  
**12TH STREET  
PEDESTRIAN  
COMMONS**

Civil Engineer:  
**vhb**  
VHB  
115 South 15th Street, Suite 200  
Richmond, VA 23225  
(804) 343-7100

Structural Engineer:  
**DMW**  
Dunbar Milby Williams Pittman & Vaughan  
1025 Boulders Parkway, Suite 310  
Richmond, VA 23225  
(804) 323-0656

Seal:

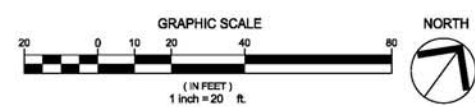
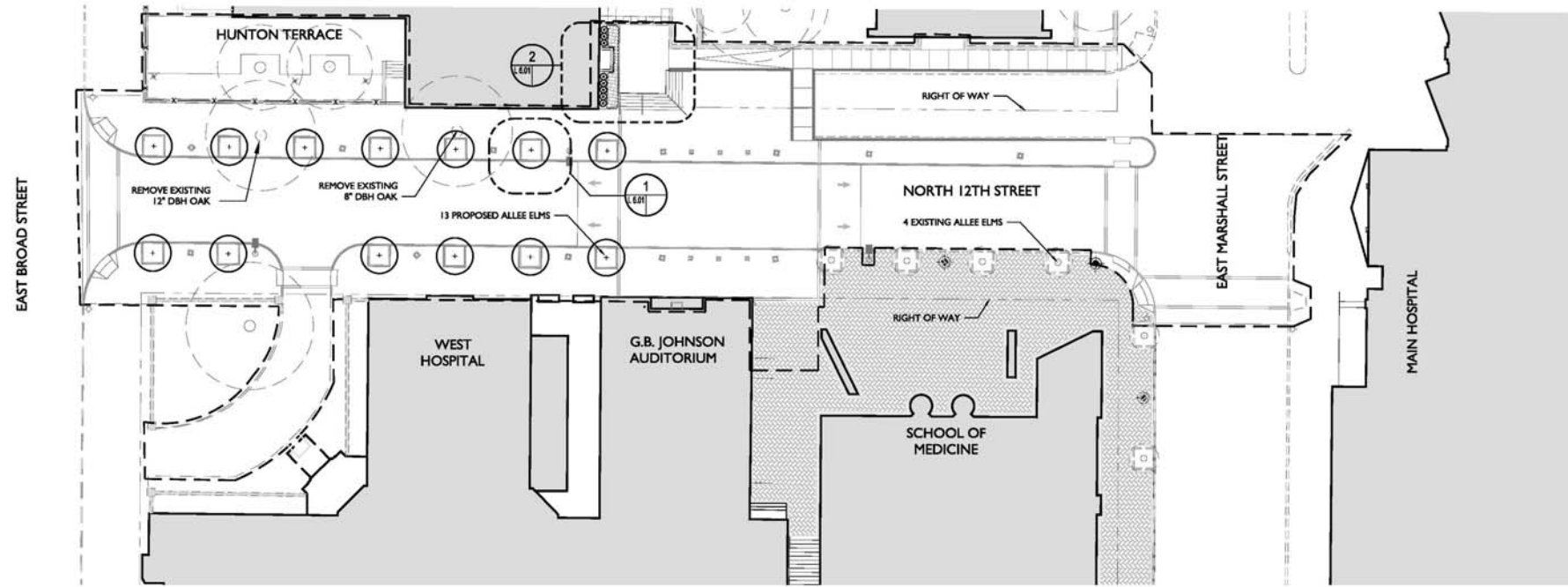
PRELIMINARY - DO NOT USE FOR CONSTRUCTION  
Issued for:  
**UDC SUBMITTAL**

No.	Date	Description

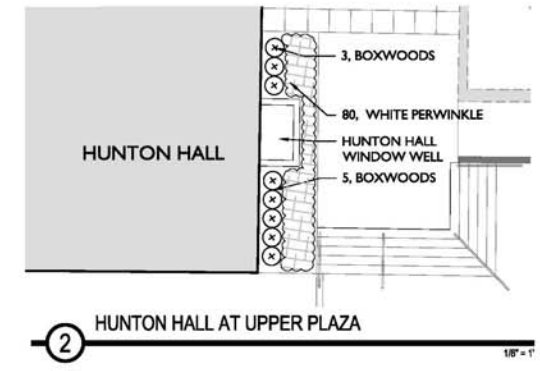
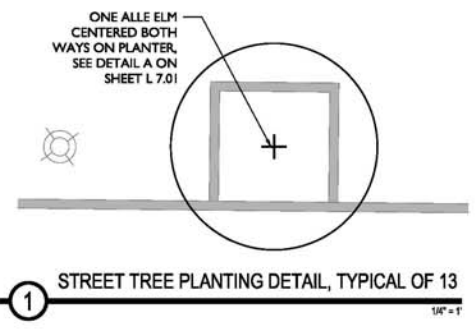
Scale: SEE PLAN

Title:  
**LIGHTING  
PHOTOMETRICS**

Project number: M15006.00 Sheet:  
Date: 07.16.2015  
Drawn by: CKW  
Approved by: KCT  
Checked by: DCG  
**L 3.01**



**PROPOSED PEDESTRIAN PLAZA, PLANTING KEY MAP**




**PLANTING NOTES:**

1. CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES SHOWN ON PLAN WITH TOTALS IN PLANTING SCHEDULE. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO FINAL BIDDING. UNIT PRICES SHALL BE SUBMITTED AS PART OF FINAL BID.
2. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR TO BE IN A HEALTHY GROWING CONDITION. PLANT MATERIALS WHICH DO NOT FULFILL THIS GUARANTEE SHALL BE REPLACED AT NO COST TO THE OWNER. REPLACEMENT SHALL BE GUARANTEED THROUGHOUT THE ORIGINAL GUARANTEE PERIOD. PLANTS THAT DIE SHALL BE REPLACED IMMEDIATELY.
3. CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOT ASSUME IRRIGATION SYSTEM IS FULLY OPERATIONAL AT COMPLETION OF PLANTING INSTALLATION.
4. CONTRACTOR RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING OF CONSTRUCTION FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT IF ANY CONFLICTS OCCUR.
5. THE LANDSCAPE ARCHITECT IS THE OWNERS REPRESENTATIVE AND SHALL BE THE APPROVING AUTHORITY FOR INFORMATION PROVIDED IN THESE PLANS AND SPECIFICATIONS.
6. ALL PLANT MATERIALS, TOPSOIL, MULCH, FERTILIZERS, SOIL AMENITIES, PLANTING SUPPLIES AND METHODS SHALL BE SUBJECT TO LANDSCAPE ARCHITECT'S APPROVAL. REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE WITHOUT DELAY.
7. ALL PLANT MATERIALS AND PLANTING METHODS SHALL CONFORM TO A.A.N. STANDARDS.
8. CONTRACTOR SHALL LAYOUT AND MARK LOCATION FOR ALL PLANT MATERIAL, PLANTING, AND IMPROVEMENTS SHOWN AND REQUEST IN FIELD APPROVAL FROM LANDSCAPE ARCHITECT.
9. BEDS TO CONTAIN SHRUBS OR GROUND COVER SHALL BE TILLED TO A DEPTH OF 6" AND THE SOIL CONDITIONED BY ADDING CLEAN, WELL ROTTED MANURE. IF EXISTING SOIL IS CONSIDERED TO BE UNUSABLE BY OWNER, BEDS SHALL BE TREATED TO ELIMINATE WEEDS AND WEED SEEDS.
10. ALL PLANTING BED AREAS SHALL BE COVERED WITH A 3" MINIMUM LAYER OF MEDIUM TEXTURE SHREDDED HARDWOOD MULCH UNLESS OTHERWISE NOTED.
11. ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER.
12. ALL PLANTING OPERATIONS SHALL BE UNDER THE SUPERVISION OF AN EXPERIENCED PLANTSMAN.
13. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SELECT PLANT MATERIALS IN THE NURSERY.
14. FOR TREES BALLED IN WIRE BASKETS, CLUT AND REMOVE TOP AND SIDES OF BASKET AFTER INSTALLATION.
15. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO A.A.N. STANDARDS. SEE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1-(CURRENT EDITION).
16. SOIL SHALL BE FREE OF ALL WEEDS.
17. PLANT SIZES, QUANTITIES, AND SPECIES WILL BE CHECKED BY LANDSCAPE ARCHITECT INSPECTION FOR COMPLIANCE WITH PLANT SCHEDULE AS APPROVED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DELAY IN ISSUANCE OF CERTIFICATE OF OCCUPANCY BY THE LANDSCAPE ARCHITECT RESULTING FROM UNAUTHORIZED SUBSTITUTIONS OR DOWNSIZING.
18. UPON COMPLETION OF LANDSCAPE INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL, AND SCHEDULE A FINAL INSPECTION FOR ACCEPTANCE BY OWNER.
19. THE ONE YEAR GUARANTEE PERIOD SHALL BEGIN UPON THE OWNER'S APPROVAL AND ACCEPTANCE OF THE PLANTING INSTALLATION. THE OWNER SHALL ASSUME RESPONSIBILITY FOR MAINTENANCE INCLUDING WATERING, WEEDING, PEST CONTROL, AND FERTILIZATION.
20. CONTRACTOR SHALL REMOVE STAKING FROM TREES AT THE END OF THE ONE YEAR WARRANTY PERIOD.

**PLANT MATERIAL SCHEDULE**

QUANTITY	BOTANICAL NAME	COMMON NAME	SPACING	CALIPER	HEIGHT	ROOT TYPE	DETAIL	REMARKS
<b>TREES</b>								
13	ULMUS PARVIFOLIA ALLEE	ALLEE ELM		3.0"	15'	B&B	A	SINGLE STRAIGHT TRUNK, 6 FT. BRANCHING HT.
<b>SHRUBS</b>								
8	BUXUS 'JUSTIN BROWNER'	JUSTIN BROWNER BOXWOOD	24" OC		24" X 24"	MIN 7 GAL.	B	FULL TO BASE
<b>GROUNDCOVERS</b>								
80	VINCA MINOR 'ALBA'	WHITE PERWINKLE	12" O.C.		8"	3" POTS	C	FULL

DRAFT NOT FOR CONSTRUCTION



STRONGER BY DESIGN


675 GROVE AVENUE  
RICHMOND, VA 23205  
781.427.7500

www.stewart-hg.com  
PROJECT # M15006.00

---

Client:

MCV CAMPUS  
VIRGINIA COMMONWEALTH UNIVERSITY  
NORTH 12TH STREET  
RICHMOND, VIRGINIA 23219




Project:

**12TH STREET  
PEDESTRIAN  
COMMONS**


---

Civil Engineer:



VHB  
115 South 15th Street, Suite 200  
Richmond, VA 23219  
(804) 343-7100

Structural Engineer:



Dunbar MBy Williams Pittman & Vaughan  
1025 Boulliers Parkway, Suite 310  
Richmond, VA 23225  
(804) 323-0656

---

Scale: SEE PLAN

Scale: SEE PLAN

---

Scale: SEE PLAN

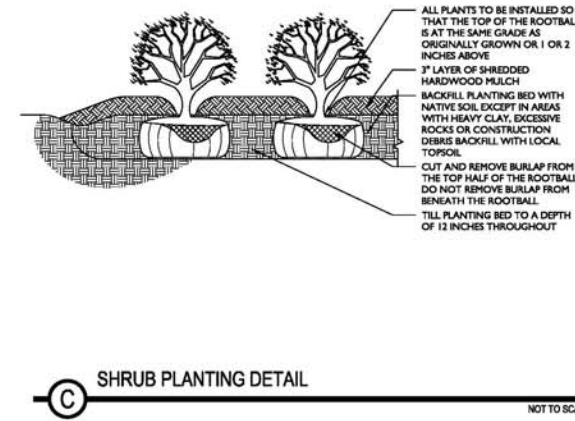
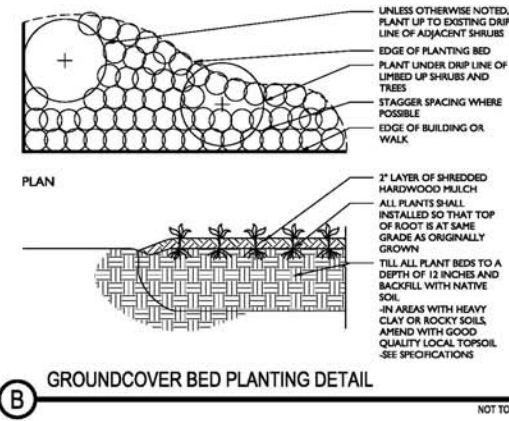
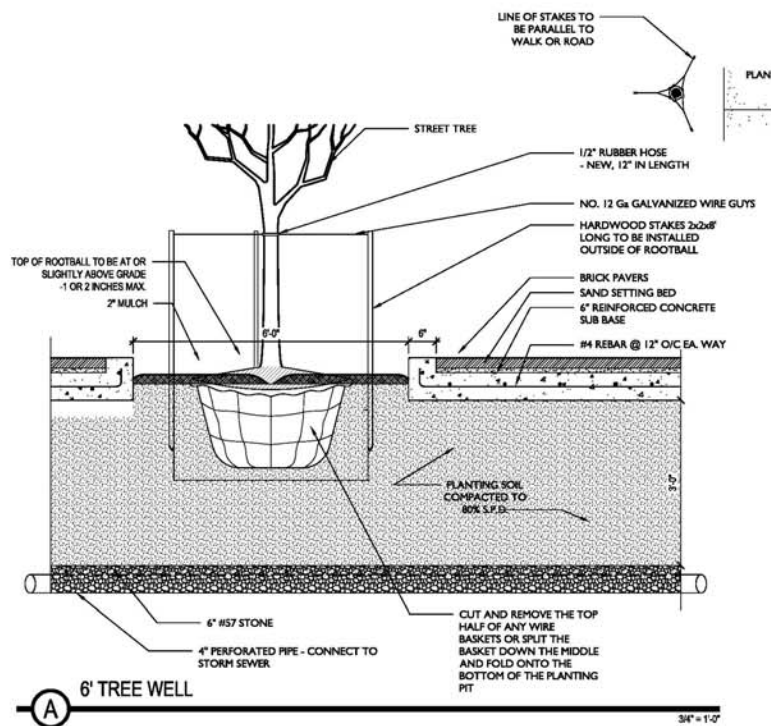
Title:

**PLANTING  
PLANS**

---

Project number: M15006.00 Sheet:  
Date: 07.16.2015  
Drawn by: CKW  
Approved by: KCT  
Checked by: DCG

**L 4.01**



No.	Date	Description



**Bike Racks**

**STANDARD RIBBON BENCHES**

*Manufacturer:* Victor Stanley  
*Catalog No.:* RB-28 - 6' Length  
 w/ center arm  
*Color:* Black

*Manufacturer:* Timberform Renaissance  
*Catalog No.:* 2806-6 - 6' Bench  
 w/ center arm  
*Color:* Black

*Manufacturer:* Keystone Ridge Designs  
*Catalog No.:* P26C' 6' Pullman w/  
 center arm  
*Color:* Black



*Standard Ribbon Bench - Victor Stanley*

**Benches**

**PEDESTRIAN AREAS**

*Manufacturer:* Pine Hall  
*Product:* Pathway  
*Size:* 4" x 8" x 2 1/4"  
*Color:* Full Range



**VEHICULAR AREAS**

*Manufacturer:* Pine Hall  
*Product:* English Edge  
*Size:* 4" x 8" x 2 3/4"  
*Color:* Full Range

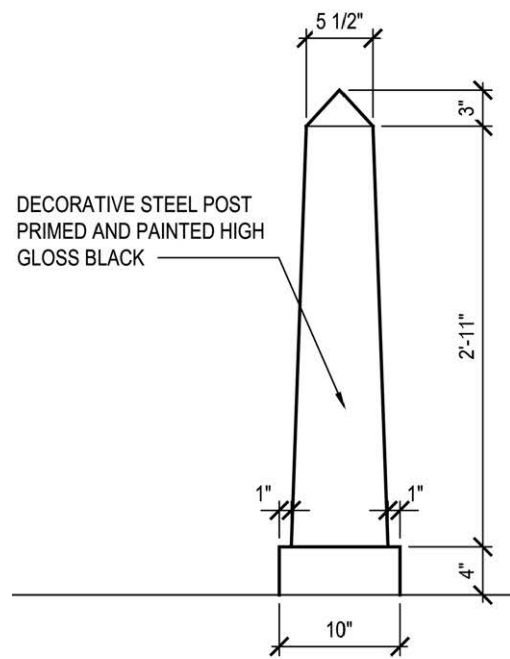


**CROSSWALK AREAS**

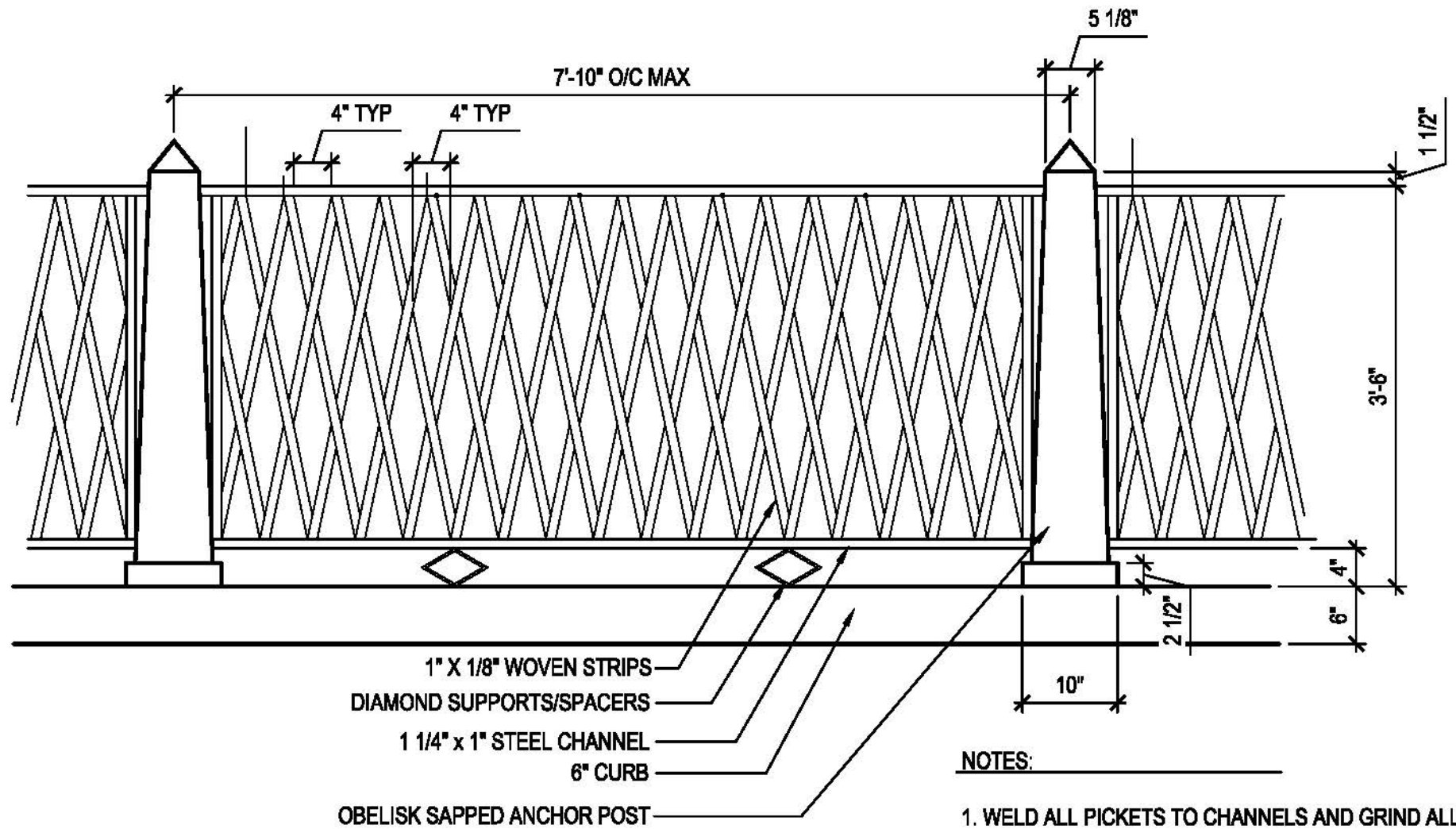
*Manufacturer:* Pine Hall  
*Product:* English Edge  
*Size:* 4" x 8" x 2 3/4"  
*Color:* Full Range



**Brick Pavers**



**Bollards**



**NOTES:**

1. WELD ALL PICKETS TO CHANNELS AND GRIND ALL WELDS SMOOTH PRIOR TO PRIMING AND PAINTING
2. FINISH: ALL METAL FENCE COMPONENTS TO BE SHOP PRIMED WITH TWO (2) COATS OF PRIMER AND FINISHED WITH TWO (2) COATS OF AN ALIPHATIC ACRYLIC POLY-URETHANE PAINT - HIGH GLOSS, BLACK

**Ornamental Railing at Loading Dock Ramp**



Type: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Notes: \_\_\_\_\_

rev. 04.06.2015  
**BOS40 (LED)**  
 40" Bostonian Luminaire  
**Max Weight:** 50.0 lbs  
**Max EPA:** 3.94 sq ft

Sample	BOS40	AC	24NB-55	5K	UNV	DIR3	PEC	GENIXX	PT	TRF	BBT
Ordering	<b>BOS40</b>	<b>AC</b>	<b>36NB-80</b>	<b>3K</b>	<b>UNV</b>	<b>DIR5</b>	-	-	<b>PT</b>	-	<b>BBT</b>
	A	B	C	D	E	F	G	H	I	J	K

**DETAILS**

**MOUNTING OPTIONS**

**A. MODEL**  
**BOS40** Bostonian 40"

**B. LENS OPTIONS**  
**AC** acrylic, clear  
**AF** acrylic, frosted  
**AS** acrylic, seeded  
**AW** acrylic, white  
**PC** polycarbonate, clear  
**PF** polycarbonate, frosted

**C. ENGINE-WATTS**  
**24NB-55** 55 Watts - LED array  
**36NB-80** 80 Watts - LED array  
**48NB-110** 110 Watts - LED array  
**60NB-136** 136 Watts - LED array

**D. CCT - COLOR TEMP**  
**3K** 3000K  
**4K** 4000K  
**5K** 5000K (std.)

**E. VOLTAGE**  
**UNV** 120-277V  
**347** 347V  
**480** 480V

**F. OPTICS**  
**DIR2** direct, type II  
**DIR3** direct, type III  
**DIR4** direct, type IV  
**DIR5** direct, type V

**G. ELECTRICAL OPTIONS**  
**PEC** photocell, button

**H. CONTROL OPTIONS**  
**GENI-XX** energeni<sup>1</sup>

**I. MOUNTING OPTIONS**  
**PT** post top  
**PM** pendant mount<sup>2</sup>

**J. STYLE OPTIONS**  
**TRF** traditional filter  
**FLF** frog leg filter

**J. COLOR**  
**BBT** basic black textured  
**BMT** black matte textured  
**WHT** white textured  
**MBT** metallic bronze textured  
**BZT** bronze textured  
**DBT** dark bronze textured  
**GYS** gray smooth  
**DPS** dark platinum smooth  
**GNT** green textured  
**MST** metallic silver textured  
**MTT** metallic titanium textured  
**OWI** old world iron  
**RAL** \_\_\_\_\_

<sup>1</sup> When ordering Energini, specify the routine setting code (example GENI-04). See Energini brochure and instructions for setting table and options. Not available with sensor options.  
<sup>2</sup> consult factory

2041 58th Avenue Circle East Bradenton, FL 34203 Phone: (800) 345-4928 Fax: (941) 751-5535

ORDERING



Type: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Notes: \_\_\_\_\_

rev. 02.20.2014  
**HOLLAND**  
 Poles & Bases

Sample	HOLL	S	8	4G	OT	GFI-IU	BBT
Ordering	<b>HOLL</b>	<b>S</b>	<b>16</b>	<b>4G</b>	<b>TN</b>	-	<b>BBT</b>
	A	B	C	D	E	F	G

**DETAILS**

**Bolt Circle**

**Perspective**

**A. MODEL**  
**HOLL** 44" Holland

**B. PROFILE**  
**S** smooth  
**F** fluted

**C. HEIGHT**  
**6** 6'  
**8** 8'  
**10** 10'  
**12** 12'  
**OTHER** **16'**

**D. SHAFT**  
**4G** 44", .125" wall thickness (S)(F)  
**4M** 44", .188" wall thickness (S)(F)  
**4P** 44", .226" wall thickness (S)

**E. POLE TOP**  
**OT** open top  
**ARC** acorn finial  
**BAL** ball finial  
**TN** tenon  
**OTHER** \_\_\_\_\_

**F. OPTIONS**  
**GFI-IU** 20AMP GFCI receptacle  
**OTHER** \_\_\_\_\_

**G. COLOR**  
**BBT** basic black textured  
**BMT** black matte textured  
**WHT** white textured  
**MBT** metallic bronze textured  
**BZT** bronze textured  
**DBT** dark bronze textured  
**GYS** gray smooth  
**DPS** dark platinum smooth  
**GNT** green textured  
**MST** metallic silver textured  
**MTT** metallic titanium textured  
**OWI** old world iron  
**RAL** \_\_\_\_\_

**Construction:** All cast aluminum parts shall be low copper alloy A356. All extruded aluminum parts shall be alloy 6061-T6, 6063-T5 or equal. Standard fluted shaft profile shall be 16-flut flutes for 3"OD and 12-flut flutes for 4", 5", & 6"OD.

**Base Covers:** require specification of smooth or fluted shafts of the size required to meet wind load requirements

**Vibration Dampeners:** Vibration dampener pads shall be provided when required by customer or deemed necessary by Beacon Products. Please consult factory for bridge mounted applications.

**EPA (effective projected area):** EPA is defined as (projected surface area X drag factor) and measured in ft<sup>2</sup>. Allowable post, luminaire arm, luminaire and accessory EPAs are derived from the most current published AASHTO (American Association of State Highway and Transportation Officials) standard, currently AASHTO 2001 (50yr design life). Customer assumes all responsibility for selecting the appropriate post for installation (consult factory for assistance). Luminaire arm, luminaire and accessory EPA must be equal to or less than allowable EPA of post. Consult a professional engineer for compliance with local codes and standards.

**Anchor Bolt:** Anchor bolts, sized as required, double hex nuts and flat washers shall be hot dipped galvanized steel. A bolt circle template shall be provided for installation.

**Fasteners:** All fasteners shall be Corrosion Resistant. When tamper resistant fasteners are required, spanner HD (snake eye) style shall be provided (special tool required, available at additional cost).

**Finish:** Finish shall be a Beacote V polyester powder-coat electrostatically applied and thermocured. Beacote V finish shall consist of a five stage iron phosphate chemical pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pound.

**Limited Warranty:** Beacon Products warrants its products, to the original purchaser, against defects in materials and workmanship for proper usage for a period of 5 years after date of production, when properly installed, maintained and appropriately specified. See Warranty Information on www.beaconproducts.com for complete details and exclusions.

**CAUTION:** Consult factory for structural approval prior to ordering poles. Warranty void if pole is cut, welded, drilled or otherwise modified outside Beacon factory.

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

2041 58th Avenue Circle East Bradenton, FL 34203 Phone: (800) 345-4928 Fax: (941) 751-5535

ORDERING