

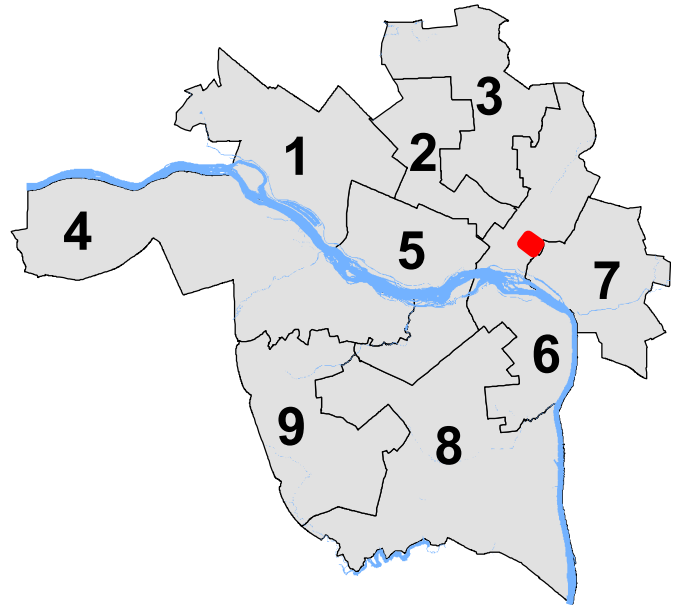
# City of Richmond Department of Planning & Development Review

## Encroachment

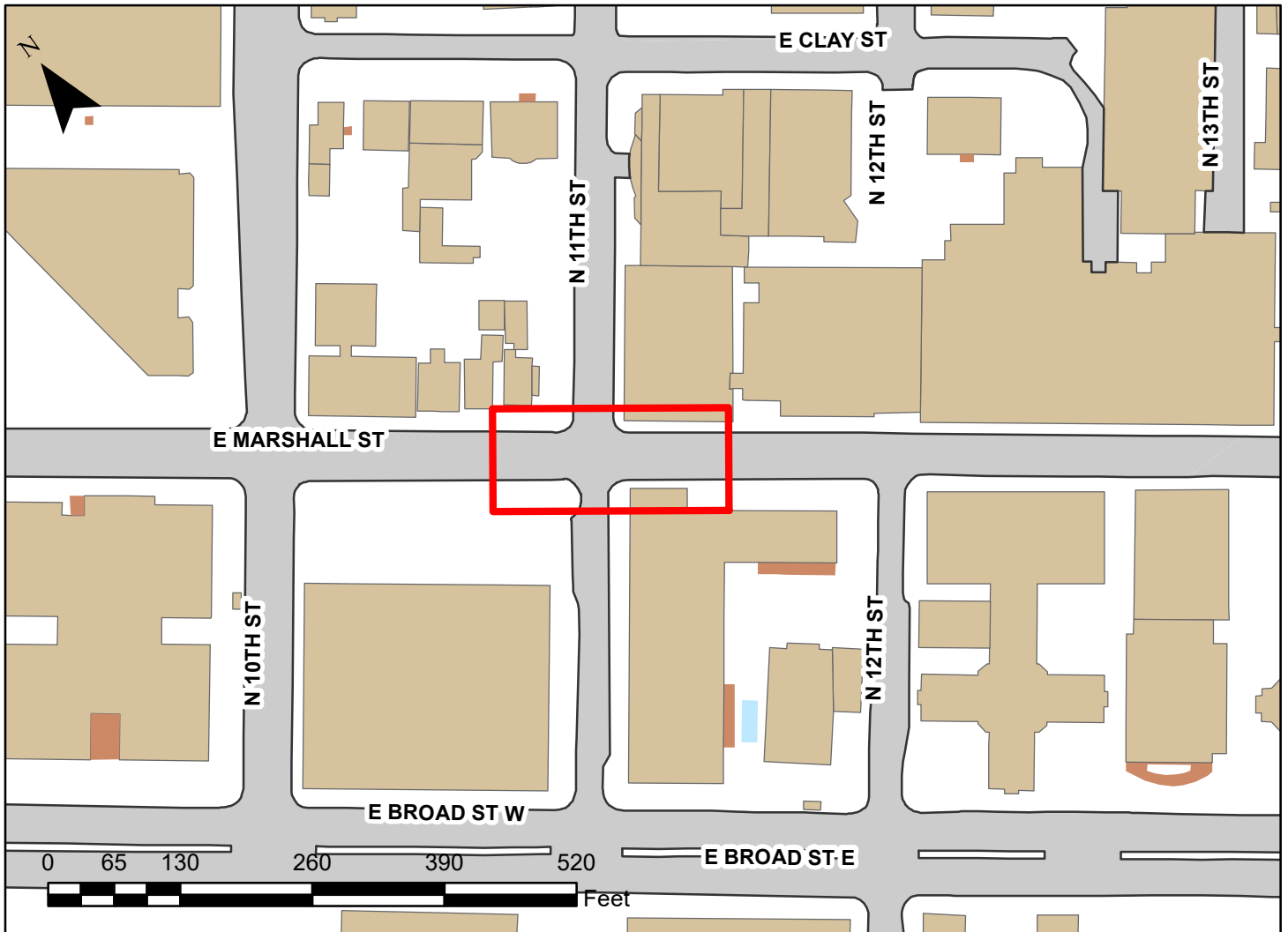
**LOCATION:** 1001 E Marshall St.

**COUNCIL DISTRICT:** 6

**PROPOSAL:** Review of a proposed pedestrian bridge connecting the Children's Hospital to the larger VCU Medical Center campus.



*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](http://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.



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## Submission Requirements

- An electronic copy (PDF preferred) of all application materials, which can be emailed, or delivered by FTP or USB.
- Three (3) copies of the application cover sheet and all support materials (see below).
- Plan sheets should be 11" x 17", folded to 8 1/2" x 11". If it is not possible to scale plans to these dimensions, please provide one set of larger, scaled plans.
- All applications must include the attached cover sheet and the following support materials, as applicable to the project, based on Review Type:

### **Conceptual Review:**

- A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program and estimated construction start date (description should also provide information on the surrounding area to provide context).
- A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas, and areas of future expansion.
- A set of floor plans and elevations, as detailed as possible.
- A landscaping plan which shows the general location and character of plant materials and notes any existing tree to be removed.

### **Final Review:**

- A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program, and estimated construction start date (description should also provide information on the surrounding area to provide context).
- A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas, and areas of future expansion.
- A set of floor plans and elevations, as detailed as possible.
- A landscaping plan that includes a complete plant schedule, the precise location of all plant materials, and a landscape maintenance analysis. The plant schedule must show number, size and type of each planting proposed. If existing trees are to be removed, their size, type, and location must be noted on the landscape plan.
- The location of all lighting units should be noted on a site plan, including wall-mounted, site, and parking lot lighting. Other site details such as benches, trash containers, and special paving materials should also be located. Include specification sheets for each item.
- Samples of all proposed exterior building materials, including but not limited to brick, mortar, shingles, siding, glass, paint, and stain colors. When an actual sample cannot be provided, a product information sheet that shows the item or a photo of an existing item may be substituted.

## Review and Processing

- Once an application is received, it is reviewed by Staff, who compiles a report that is sent to the UDC.
- A copy of the report and the meeting agenda will be sent to the applicant prior to the meeting.
- At the UDC meeting, the applicant or a representative should be present or the application may be deferred to the next regularly scheduled meeting. It is also strongly suggested that a representative of the City Agency which will have final responsibility for the item be present at the meeting (if the applicant and the representative are not the same).
- Once the UDC recommends action on the application, it is automatically placed on the agenda for the next City Planning Commission (CPC) meeting. Exceptions to this are encroachment applications, recommendations for which are forwarded to the Department of Public Works.
- At the CPC meeting, the applicant or a representative should be present, or the application may be deferred to the next regularly scheduled meeting.



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Regular meetings are scheduled on the Thursday after the first Monday of each month at **10:00 a.m. in the 5th floor conference room of City Hall, 900 E. Broad Street**. Special meetings are scheduled as needed.

## Meeting Schedule 2020

UDC Meetings	UDC Submission Deadlines	Anticipated Date of Planning Commission Following the UDC Meeting
December 5, 2019	November 14, 2019	December 16, 2019
January 9, 2020	December 12, 2019	January 21, 2020 <sup>1</sup>
February 6, 2020	January 16, 2020	February 18, 2020 <sup>2</sup>
March 5, 2020	February 13, 2020	March 16, 2020
April 9, 2020	March 12, 2020	April 20, 2020
May 7, 2020	April 16, 2020	May 18, 2020
June 4, 2020	May 14, 2020	June 15, 2020
July 9, 2020	June 11, 2020	July 20, 2020
August 6, 2020	July 16, 2020	August 17, 2020 <sup>3</sup>
September 10, 2020	August 13, 2020	September 21, 2020
October 8, 2020	September 17, 2020	October 19, 2020
November 5, 2020	October 15, 2020	November 16, 2020
December 10, 2020	November 12, 2020	December 21, 2020 <sup>4</sup>

<sup>1</sup> Monday, January 20, 2020 is a City of Richmond Holiday.

<sup>2</sup> Monday, February 17, 2020 is a City of Richmond Holiday.

<sup>3</sup> This August CPC Meeting may be canceled. If so, Planning Commission hearing would be Tuesday, September 8, 2020.

<sup>4</sup> This December CPC Meeting may be canceled.

The Richmond Urban Design Committee is a ten member advisory committee created by City Council in 1968. Its purpose is to advise the City Planning Commission on the design of City projects. The Urban Design Committee reviews projects for appropriateness in "location, character, and extent" and for consistency with the City's Master Plan and forwards recommendations to the City Planning Commission. The Urban Design Committee also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

**For more information, please contact the Planning and Preservation Division staff at (804) 646-6335 or Alex Dandridge at (804) 646-6569 or at [alex.dandridge@richmondgov.com](mailto:alex.dandridge@richmondgov.com).**



# HEALTH SYSTEM AUTHORITY Children's Hospital

## Urban Design Committee

### Final Review

Bridge Connector and Road Improvements

UDC Meeting: October 8, 2020

UDC Submission: September 17, 2020



The new 500,000 SF VCU Health System Children's Hospital (CH) project will provide the Commonwealth of Virginia with world class clinical care in a state-of-the-art hospital setting. The project is being built on the former Children's Eye and Ear Hospital and will physically connect to the existing outpatient Children's Pavilion at 1000 E. Broad Street. Due to the tight site footprint, we will be utilizing the existing patient access entrance points in order to allow for an Emergency Department entrance on the Ground Floor. The new building will include sixteen (16) stories of clinical and support space above grade with four (4) levels of below grade parking. The budget for the overall project is estimated at \$400M and is funded by VCU Health System. The Children's Hospital of Richmond is a service line of and wholly owned by VCU Health System.


The bridge design approach was to connect the Children's Hospital with the rest of the VCU Health campus while ensuring that privacy was maintained. This connection is critical to support the patient movement and access flows required by VCU Health. This proposed bridge will connect the new CH building to the existing Gateway building to the east and is essential for the safe, secure transport of patients and supplies between locations. The new CH will be a Level 1 Trauma Center with four levels of inpatient beds and the necessary services to support the hospital. There will be scenarios where patients will need to be transported between buildings, frequently with timing being a life or death variable. For the purposes of patient safety and continuity of care for our pediatric patients, an elevated bridge connecting the buildings is integral to the future of the Children's Hospital of Richmond at VCU.

Construction of the bridge requires significant coordination with numerous entities. There is noteworthy utility relocations that is required and are currently underway, with completion estimated at the end of 2020. Once all utility work is finalized, installation of the foundations in City ROW can commence. The western pier will first be installed and from that point, the contractor will work their way east. Each foundation will be completed prior to start of the next to minimize impacts to the surrounding area(s). With this portion comes the taking of the northernmost lane of E. Marshall Street, to increase the width of the sidewalk. This is critical in order to allow for placement of the piers. The same process will be implemented for the steel structure. The bridge will be prefabricated offsite in multiple pieces and hoisted into place, which we believe will significantly minimize the impacts and present a safer working scenario. We are anticipating overall completion in late 2022. Our number one goal of this project is safety, and our team has been carefully studying ways we can collectively achieve this goal while constructing such a complex structure in a congested urban environment. This project is critical for enhancing the care of children and we look forward to your support.







 Children's Hospital Construction Site















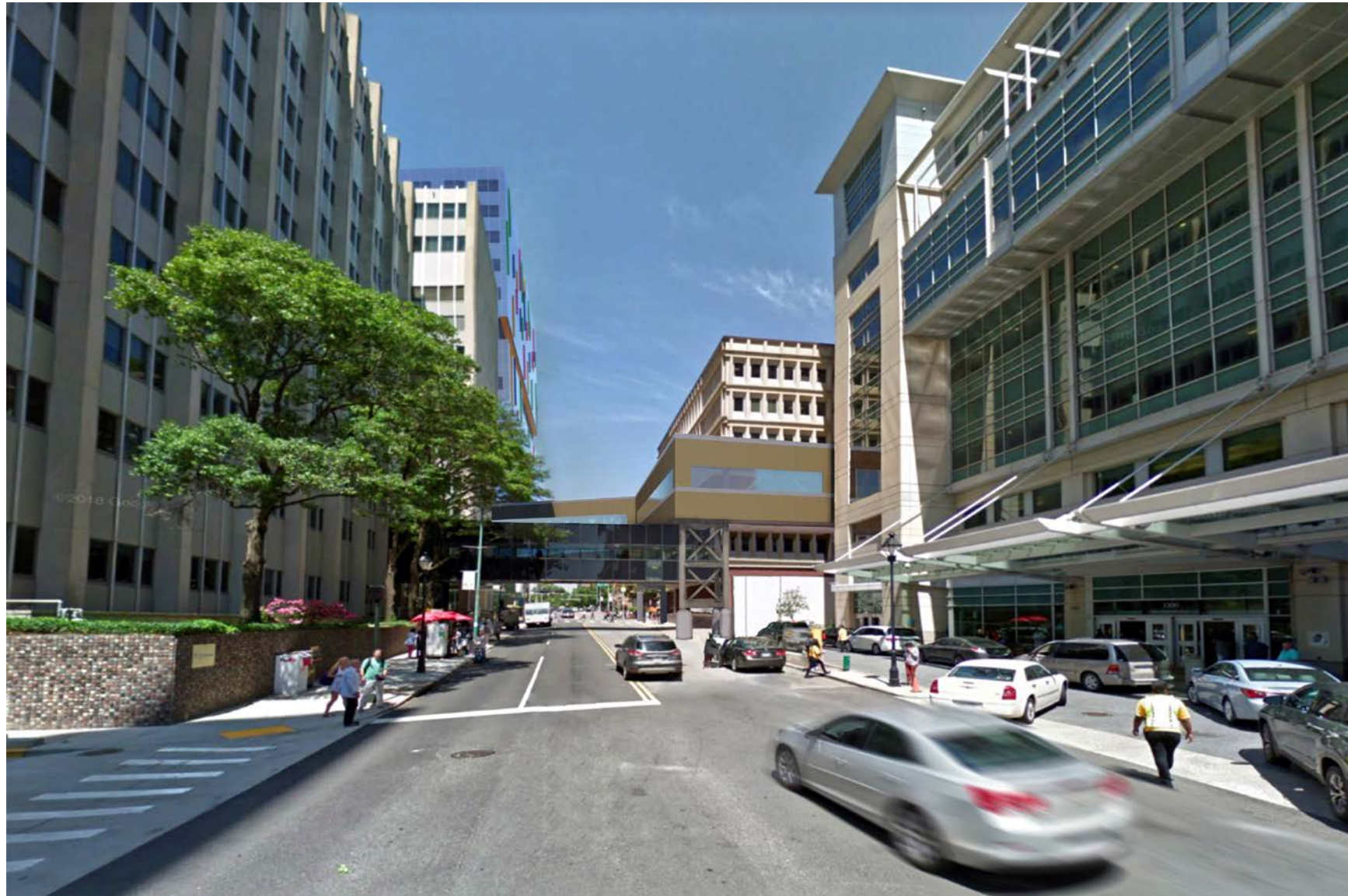






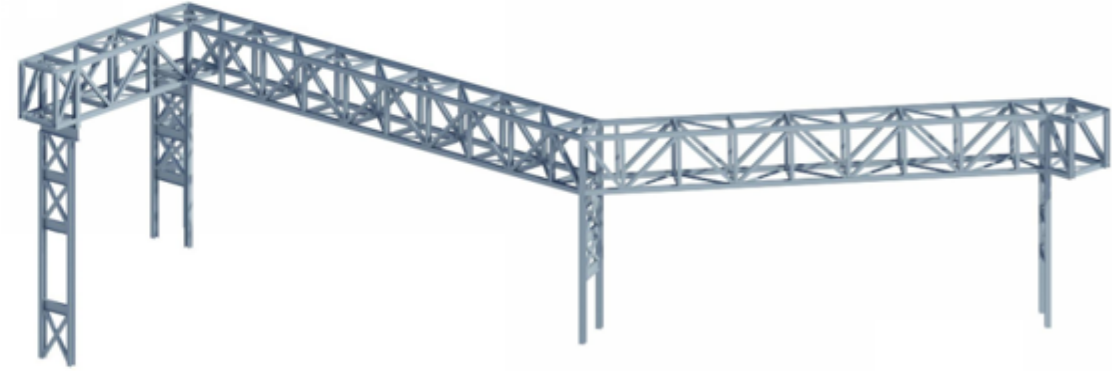






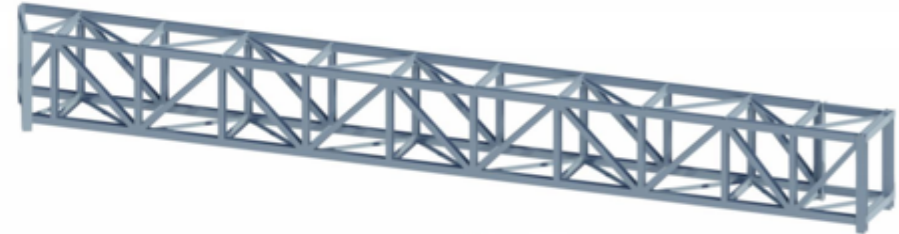
## Structural Narrative | Entire Structure

The proposed Pedestrian Bridge will be a one level bridge structure connecting the Children's Hospital at level P2 to Gateway at level 3. The bridge will extend from the North East corner of the horizontal expansion of the Children's Hospital across the intersection at 11<sup>th</sup> Street and Marshall Street, and run along Marshall Street on the south side of Nelson. The bridge will cross overtop the existing pedestrian bridge between Sanger and Nelson, and it will turn 90 degrees at Gateway to make a connection to the existing stair tower between Nelson and Gateway.



## Structural Narrative | Horizontal Structure

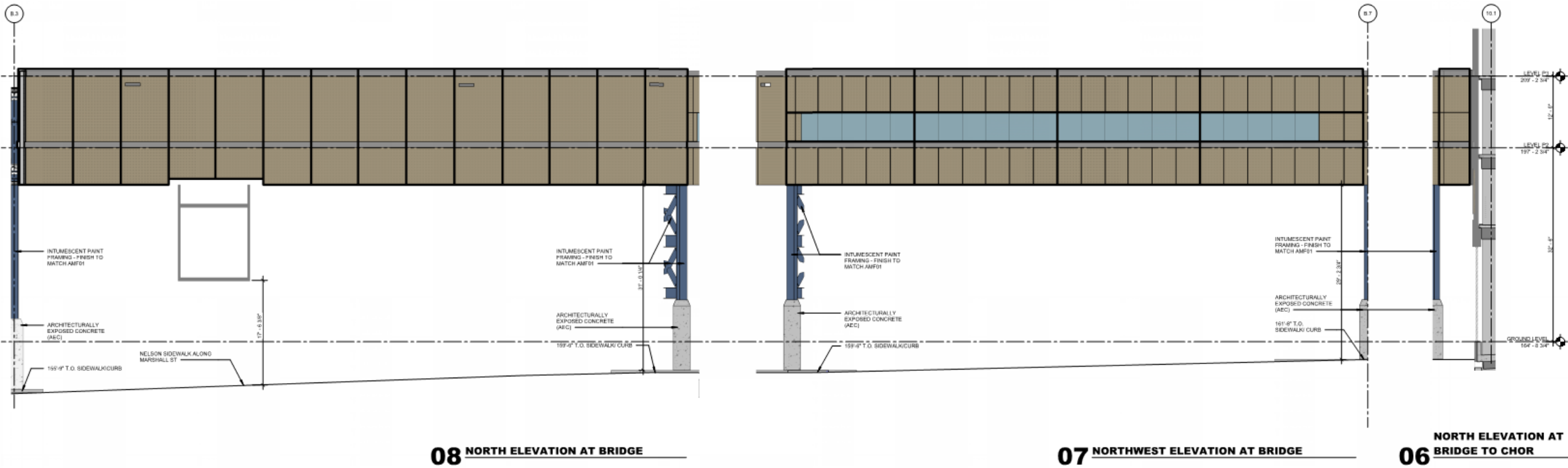
Bridge framing will consist of two parallel structure steel Warren box trusses supported on steel piers and columns. The trusses will be constructed with steel wide-flange vertical and diagonal members, as well as steel wide-flange chord members. Steel wide-flanged beams will span perpendicularly between the 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 system, while the roof of the bridge will be constructed with metal deck.



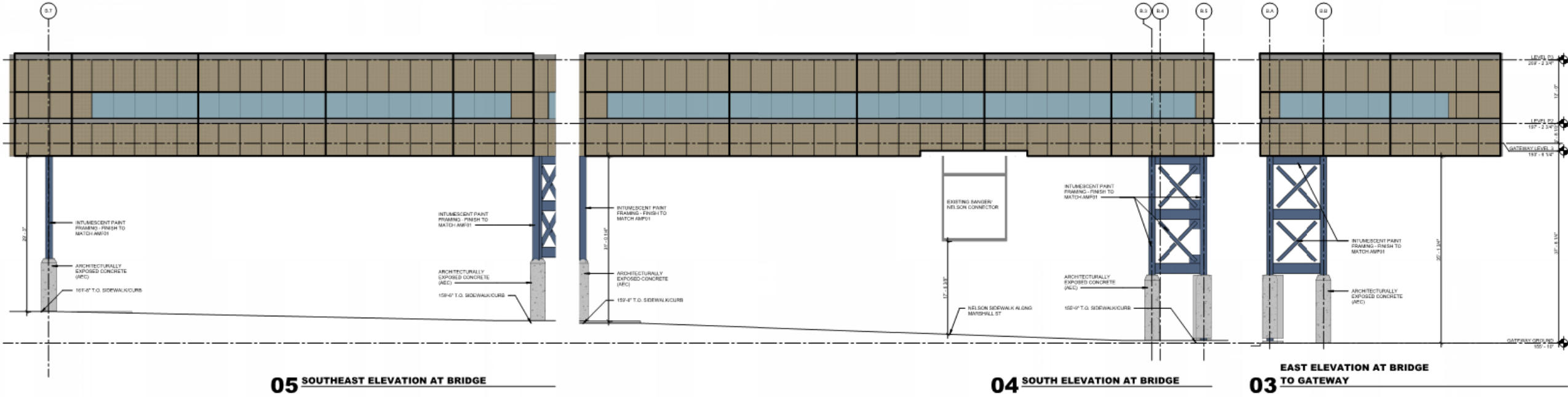
## Structural Narrative | Vertical Structure

The lateral system for the bridge out of plane will consist of steel moment frames at the roof and a Combination of steel braced frames and moment frames below the bridge floors down to grade. Moment frames at grade level of each pier will maintain an adequate vertical clearance from top of grade to bottom of structural beams to allow pedestrian access below the bridge. The bridge will be structural separate from the adjacent Nelson Hall, Gateway Building, and Children's Hospital structures. Expansion joints will be provided at the interfaces between the bridge at the existing buildings.









EXTERIOR DESIGN SELECTIONS



Glazing

Product: Low-E Insulating Glass Unit  
Manufacturer: Viracon  
Product: VRE1-38 Insulating HS/HS  
Thickness: 1" thick glass unit with 1/2" airspace

Soffit

Direct Applied Textured Coating  
Manufacturer: Benjamin Moore  
Color: Decorator's White  
Sheen: MPI #2 - 3

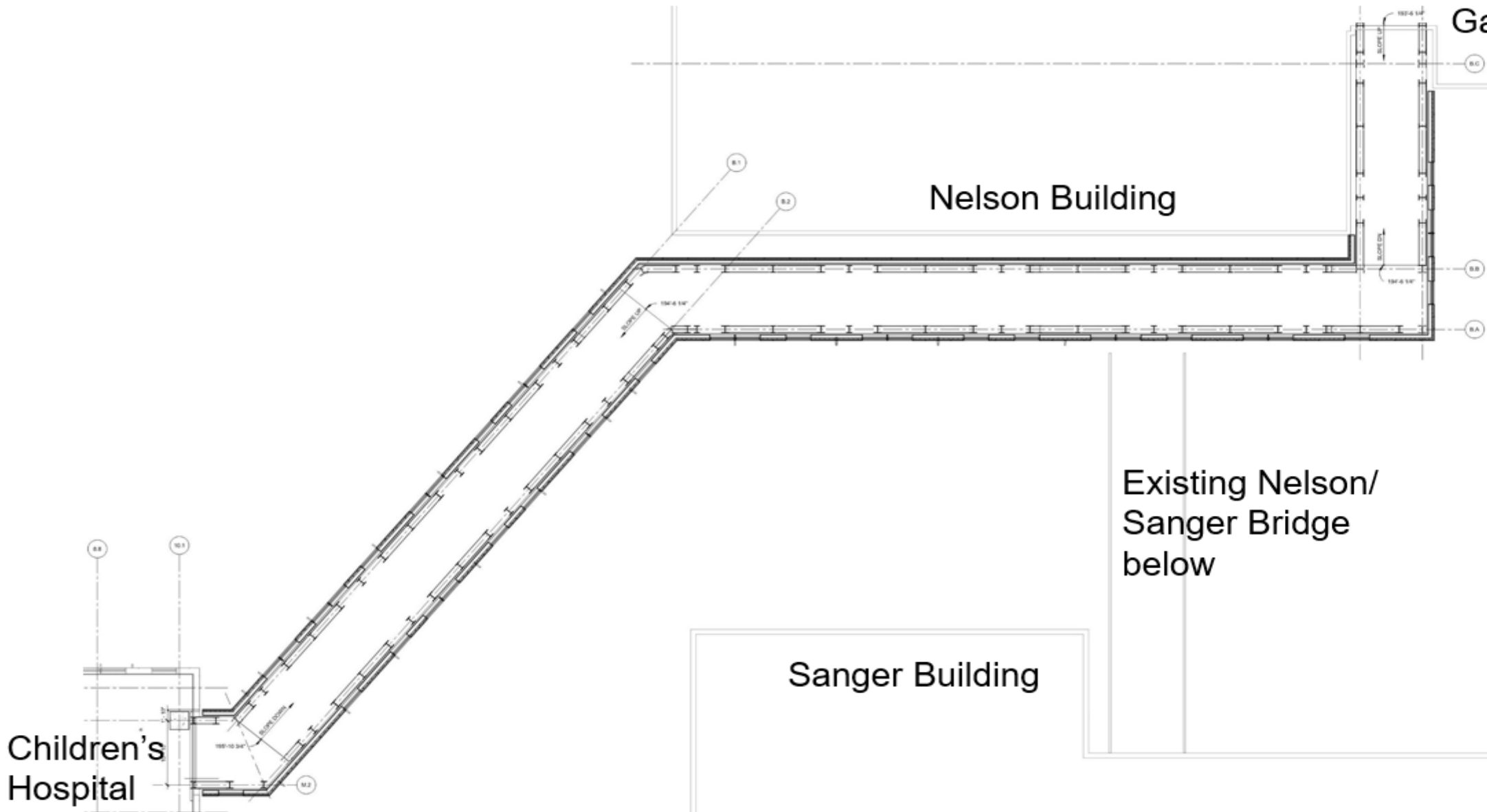
Roof

Fully Adhered TPO roof membrane  
Manufacturer: Carlisle SynTec Inc; Sure-Weld TPO  
Color: White

Composite Metal Panel (colors to match existing perforated metal panel at CHOR Pavilion)



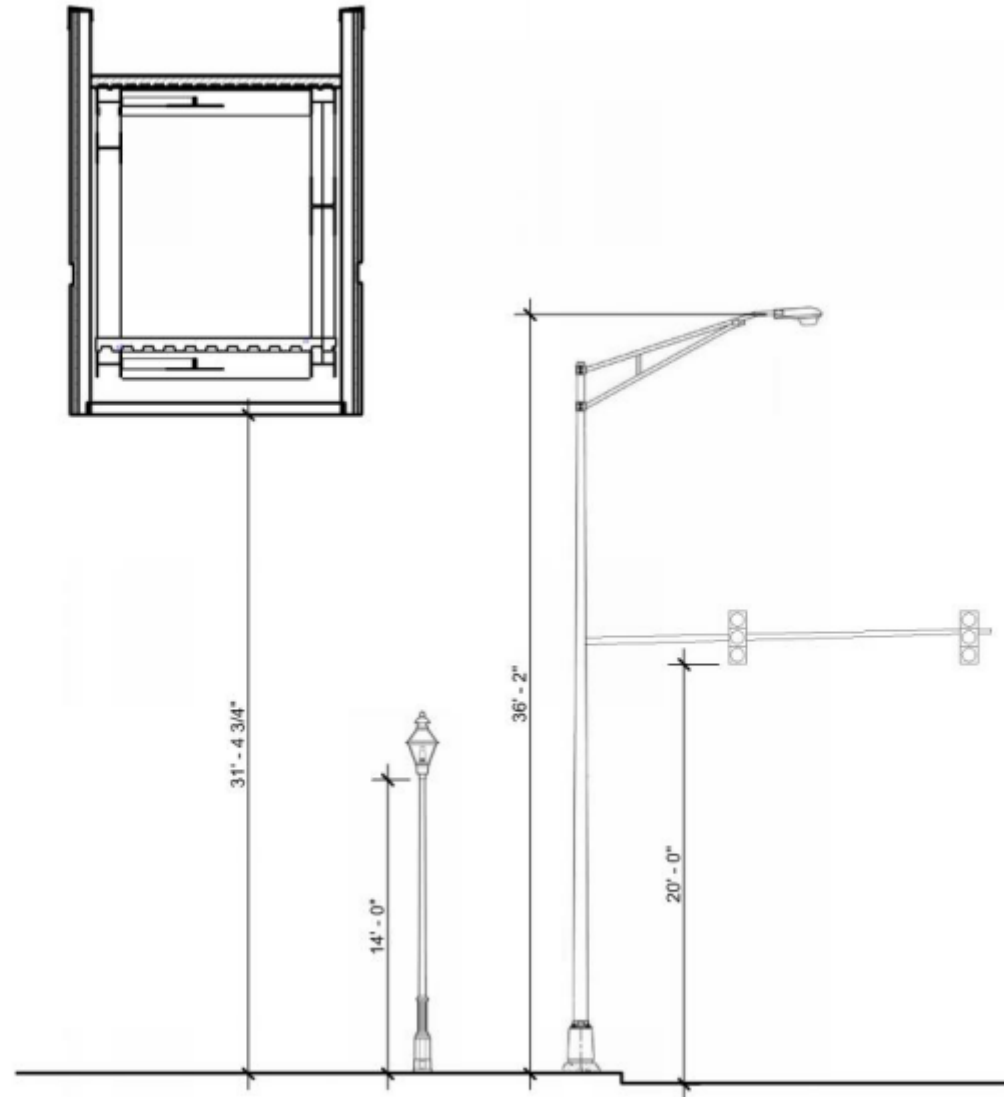
Type: 3-coat mica, Exterior, Kynar  
Manufacturer: Alucobond  
Coating Color: Harvest Gold Mica Cool  
Finish: Gloss Level - 30



Children's  
Hospital

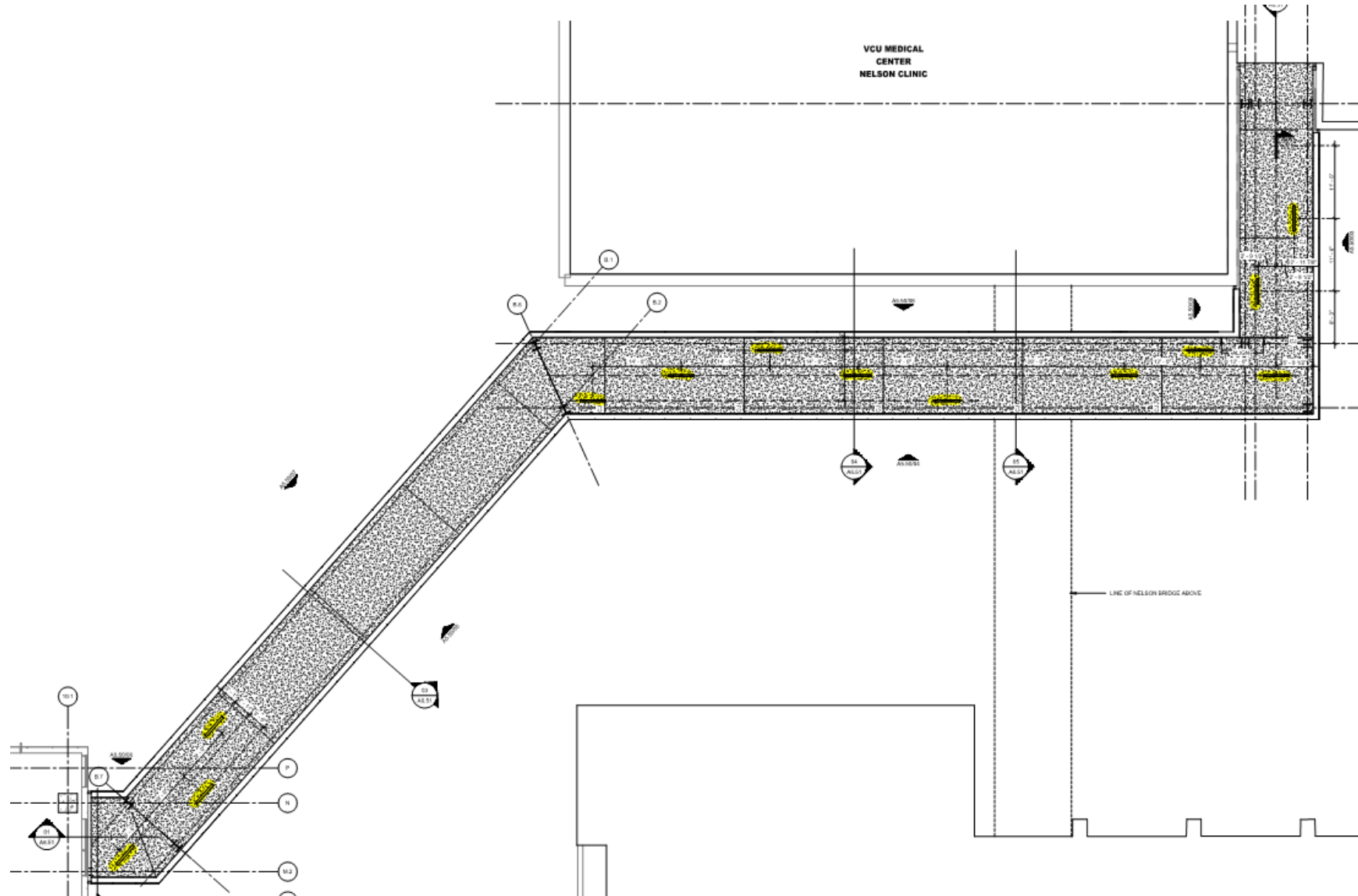
Sanger Building

Existing Nelson/  
Sanger Bridge  
below















VCU MEDICAL CENTER  
 GATEWAY BUILDING

VCU MEDICAL CENTER  
 NELSON CLINIC

ZIEGLER HOUSE

VCU MEDICAL CENTER  
 SANGER HALL

PROPOSED NEW INPATIENT  
 CHILDREN'S HOSPITAL

EXISTING CHILDREN'S HOSPITAL

EAST MARSHALL STREET

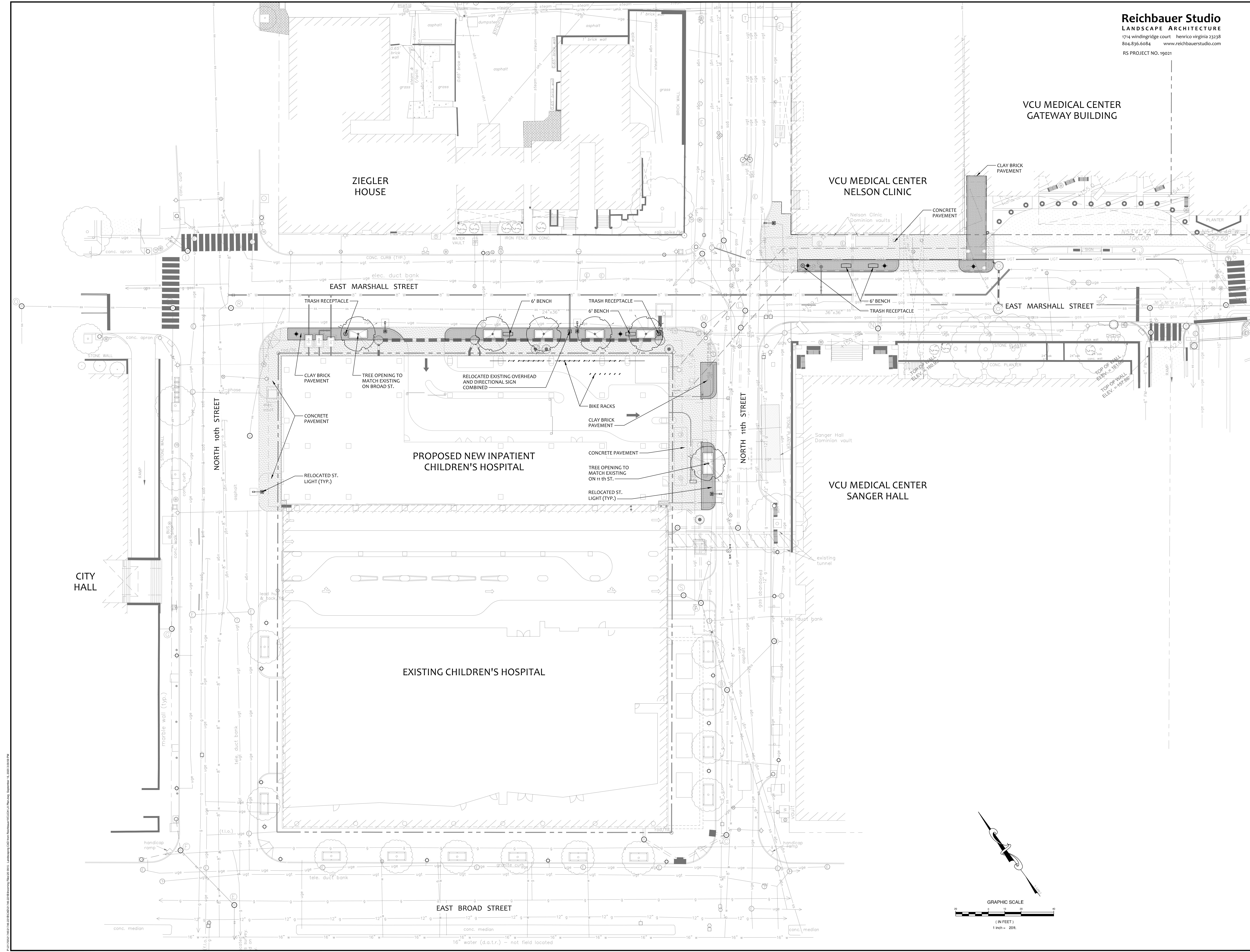
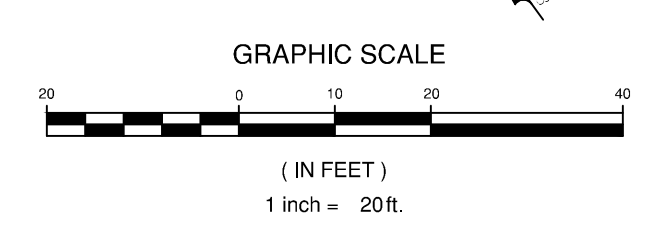
EAST MARSHALL STREET

NORTH 10th STREET

NORTH 11th STREET

CITY HALL

EAST BROAD STREET



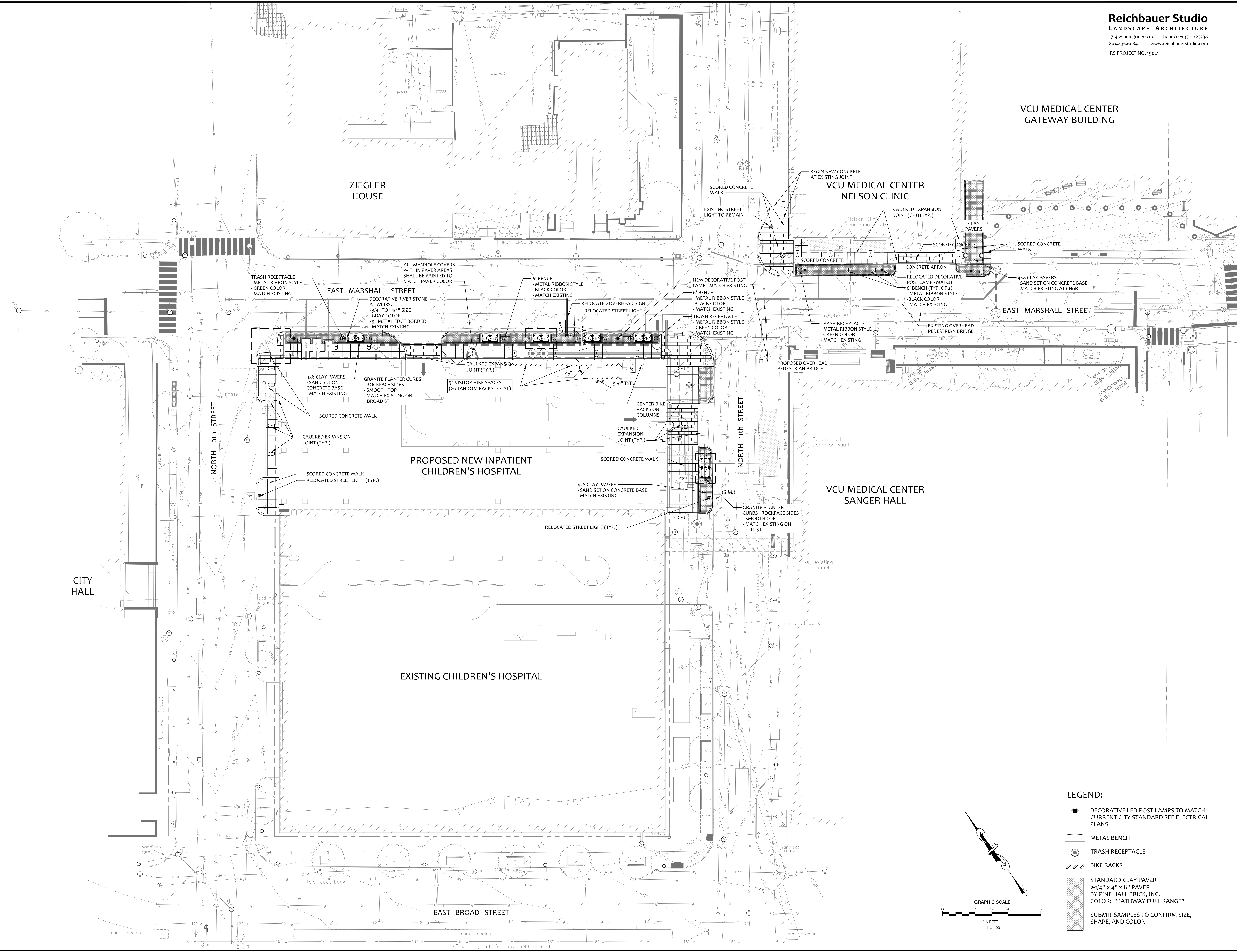
OVERALL STREETScape PLAN  
 VCU HEALTH NEW CHILDREN'S HOSPITAL  
 RICHMOND, VIRGINIA

REVISIONS
DESIGNED BY: CR
DRAWN BY: SLF
CHECKED BY: MRE
SCALE: 1"=20'
DATE: 9/16/2020
PROJECT NUMBER: 21746-221B

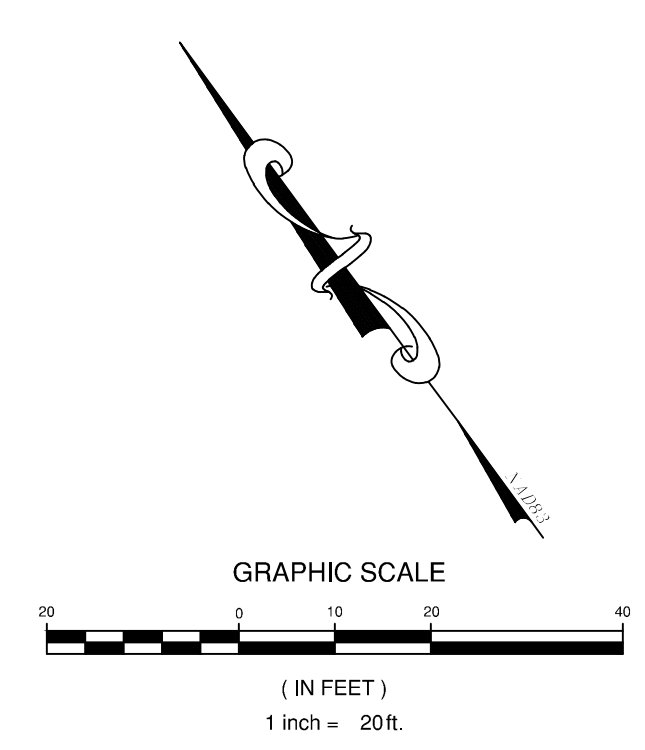
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**VCU MEDICAL CENTER  
 GATEWAY BUILDING**



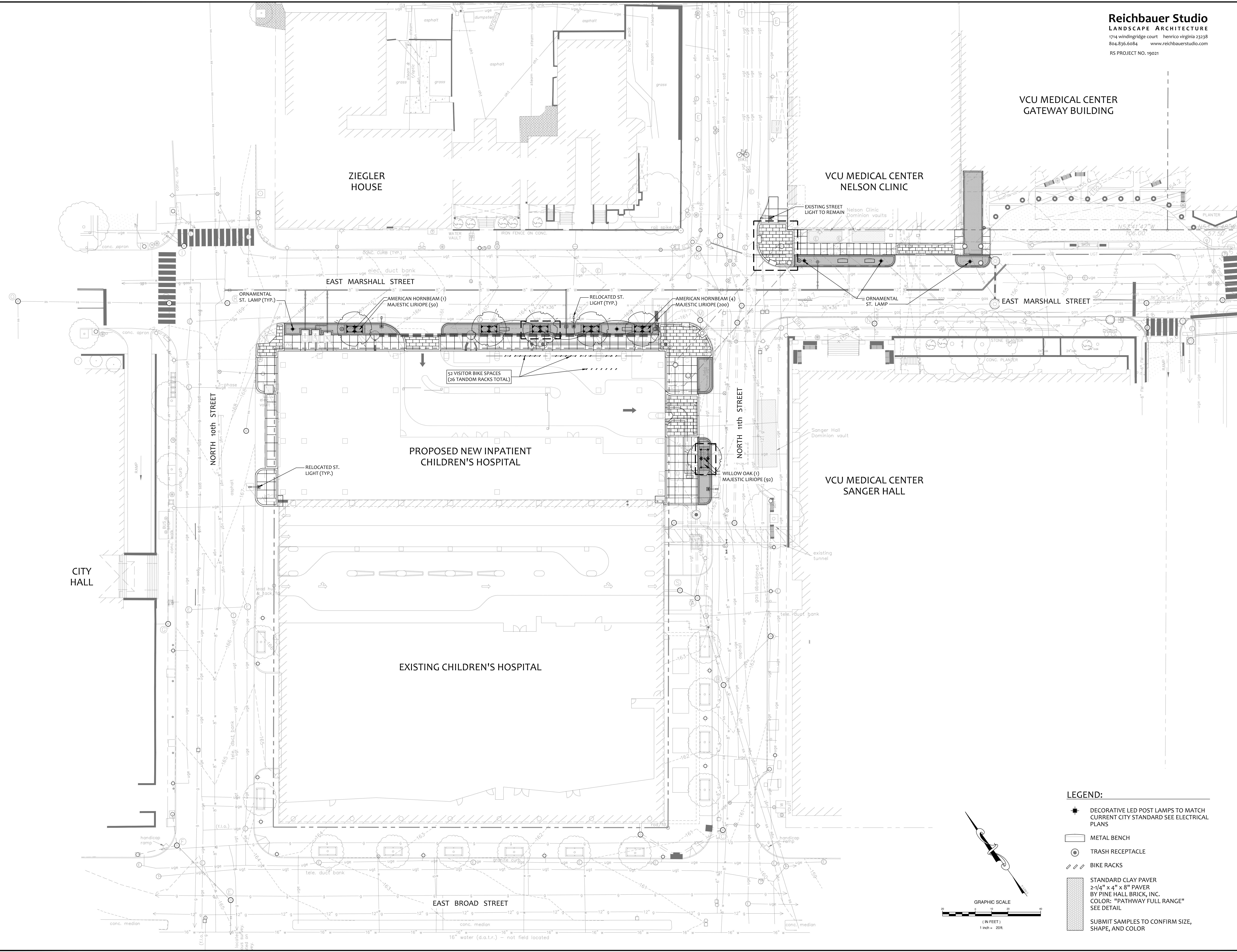
- LEGEND:**
- ◆ DECORATIVE LED POST LAMPS TO MATCH CURRENT CITY STANDARD SEE ELECTRICAL PLANS
  - ▭ METAL BENCH
  - ⊙ TRASH RECEPTACLE
  - ▨ BIKE RACKS
  - STANDARD CLAY PAVER  
 2-1/4" x 4" x 8" PAVES  
 BY PINE HALL BRICK, INC.  
 COLOR: "PATHWAY FULL RANGE"
  - SUBMIT SAMPLES TO CONFIRM SIZE, SHAPE, AND COLOR



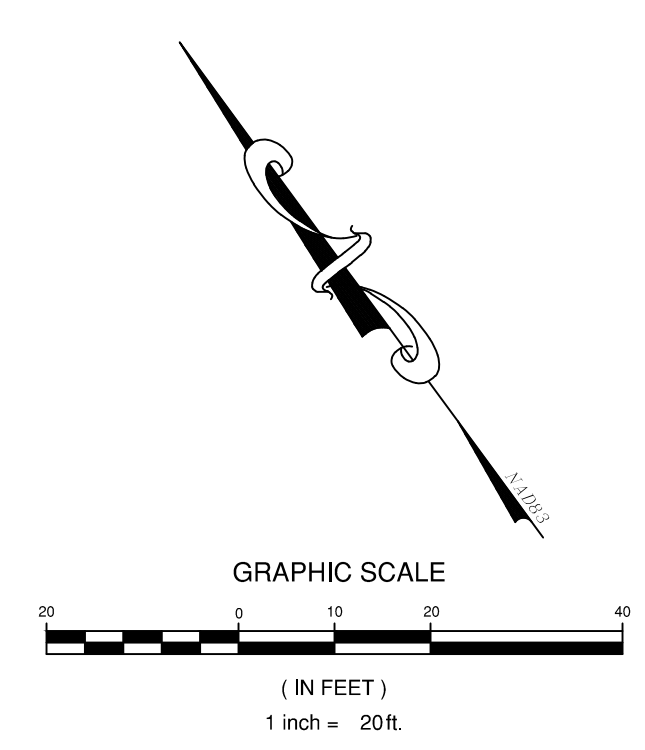
**OVERALL HARDSCAPE PLAN  
 VCU HEALTH NEW CHILDREN'S HOSPITAL  
 RICHMOND, VIRGINIA**

REVISIONS	
DESIGNED BY:	CR
DRAWN BY:	SLF
CHECKED BY:	MRE
SCALE:	1"=20'
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 COLOR: "PATHWAY FULL RANGE"  
 SEE DETAIL
  - ▨ SUBMIT SAMPLES TO CONFIRM SIZE, SHAPE, AND COLOR



**OVERALL LANDSCAPE PLAN**  
**VCU HEALTH NEW CHILDREN'S HOSPITAL**  
 RICHMOND, VIRGINIA

REVISIONS	
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