



PLANNING COMMISSION

WEDNESDAY, NOVEMBER 10, 2021

III. WORK SESSION:

- A. I-5 Bike / Pedestrian Bridge (Weigel) (20 Minutes)



PLANNING COMMISSION STAFF REPORT

Meeting Date: November 10, 2021		Subject: I-5 Pedestrian Bridge and Gateway Plaza	
		Staff Member: Zach Weigel, PE, City Engineer; Kimberly Rybold, AICP, Senior Planner	
		Department: Community Development	
Action Required		Advisory Board/Commission Recommendation	
<input type="checkbox"/> Motion <input type="checkbox"/> Public Hearing Date: <input type="checkbox"/> Ordinance 1 st Reading Date: <input type="checkbox"/> Ordinance 2 nd Reading Date: <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Information or Direction <input type="checkbox"/> Information Only <input type="checkbox"/> Council Direction <input type="checkbox"/> Consent Agenda		<input type="checkbox"/> Approval <input type="checkbox"/> Denial <input type="checkbox"/> None Forwarded <input checked="" type="checkbox"/> Not Applicable Comments: N/A	
Staff Recommendation: Review and provide feedback on the east bridge ramp and plaza wall design alternatives for the I-5 Pedestrian Bridge and Gateway Plaza project in Wilsonville Town Center.			
Recommended Language for Motion: N/A			
Project / Issue Relates To:			
<input checked="" type="checkbox"/> Council Goals/Priorities Goal 1: Increase mobility for all in Wilsonville	<input checked="" type="checkbox"/> Adopted Master Plan(s) Bicycle & Pedestrian Connectivity Plan, Transportation System Plan, Town Center Plan	<input type="checkbox"/> Not Applicable	

ISSUE BEFORE COMMISSION:

The project team will share design alternatives and cost estimates for the east bridge ramp and gateway plaza wall for Planning Commission feedback as part of City Council’s consideration of a preferred design.

EXECUTIVE SUMMARY:

In 2017, the City was awarded a Metropolitan Transportation Improvement Program (MTIP) Regional Flexible Funds (RFFA) grant from Metro for the design of the I-5 Pedestrian Bridge. The project, first identified as a need in the 2006 Bicycle and Pedestrian Master Plan and subsequently added to the Transportation System Plan (TSP) in 2013, will provide a safe pedestrian and bike crossing of Interstate 5, connecting the Villebois neighborhood and the Wilsonville Transit Center to the Town Center and adjacent residential areas. The project also includes design of the Gateway Plaza, a community gathering space identified as a community priority as part of the Town Center Plan process, on a City-owned parcel at the east bridge landing. Per the IGA for this grant, 90% design for the project must be completed by the end of 2021.

In October 2020, City Council selected the Tied Arch as the preferred bridge alternative based on input provided through public outreach and Planning Commission recommendations. With this direction, City Council also supported a plaza design combining elements of the Drops and Ripples and River Oxbow concepts. Based on this, the project team began more detailed design work to advance these concepts. Planning Commission reviewed the 30% design package in March 2021 and provided feedback on the bridge color, lighting options, and protective screening, along with the refined plaza design and proposed elements.

In August 2021, Planning Commission reviewed the 60% design package, providing feedback on the bridge lighting, plaza wall and surface materials, seating options, and site furnishings, further refining the bridge and plaza design.

At this work session, the project team will provide more detailed design alternatives with cost estimates for the east bridge approach and plaza wall to address questions regarding suitable wall materials and estimated construction costs raised at the August Planning Commission and City Council meetings. To continue refining bridge and plaza design, the project team seeks direction on the preferred plaza wall design.

The project team will present this design package, along with Planning Commission input, to the City Council at a work session on November 15. Following these work sessions, the project team will use the Planning Commission and City Council input to make additional refinements to the bridge and plaza designs.

EXPECTED RESULTS:

Planning Commission feedback will be shared with City Council at its November 15 work session to confirm design direction.

TIMELINE:

Project work will continue through completion of 90% design, anticipated in December 2021.

CURRENT YEAR BUDGET IMPACTS:

The amended budget for FY2021-22 includes \$5,641,289 in Transportation SDCs for CIP project #4202. The remaining project design work through the remainder of the Fiscal Year is estimated at \$650,000. The remaining budget is intended to begin to accrue funds to pay for project construction in future years.

FINANCIAL REVIEW / COMMENTS:

Reviewed by: Date:

LEGAL REVIEW / COMMENT:

Reviewed by: Date:

COMMUNITY INVOLVEMENT PROCESS:

The pedestrian and bikeway bridge was identified as a high priority project through the last update to the Wilsonville Transportation System Plan, which included an extensive community involvement process. Likewise, the RFFA grant process included a public review and comment period in which the project garnered positive feedback from the community. In addition, the Town Center Plan included a robust and inclusive public outreach process where the Bridge Project was identified as a key framework project through extensive community support.

There have been several opportunities to participate in the design of the Bridge Project and Gateway Plaza as scoped within the Public Engagement Plan for the project. In addition to the public kickoff event, outreach opportunities included an online open house, online surveys, stakeholder interviews, and pop-up information displays. The engagement plan is designed to reach as broad an audience as possible and to gather the variety of perspectives in the community. It also includes targeted outreach to specific stakeholders more impacted by activity in the Town Center.

POTENTIAL IMPACTS or BENEFIT TO THE COMMUNITY:

The Bridge Project will provide a safe bike and pedestrian crossing of I-5 that is separated from vehicular traffic with direct access to essential services in the Wilsonville Town Center, the Wilsonville Transit Center, employment areas, and educational resources. The bridge will serve all populations within and around the project area and will help the Town Center become a more vibrant, pedestrian and transit-supportive mixed-use district. Public art and environmental features integrated into the Bridge Project and plaza will help to create an attractive and accessible place for visitors and residents of all ages to shop, eat, live, work, learn, and play. The bridge and plaza investment will exemplify the City’s commitment to realizing the community’s vision for Town Center and serve as an incentive for private investment.

ALTERNATIVES:

The Commission can provide recommendations to refine the east bridge ramp and plaza wall design as the project moves toward completion of the 90% design phase.

CITY MANAGER COMMENT:

N/A

ATTACHMENT:

- 1. Presentation Slides

WILSONVILLE TOWN CENTER

I-5 PEDESTRIAN AND BICYCLE BRIDGE: BARBER STREET TO WILSONVILLE TOWN CENTER



Planning Commission Nov. 10, 2021

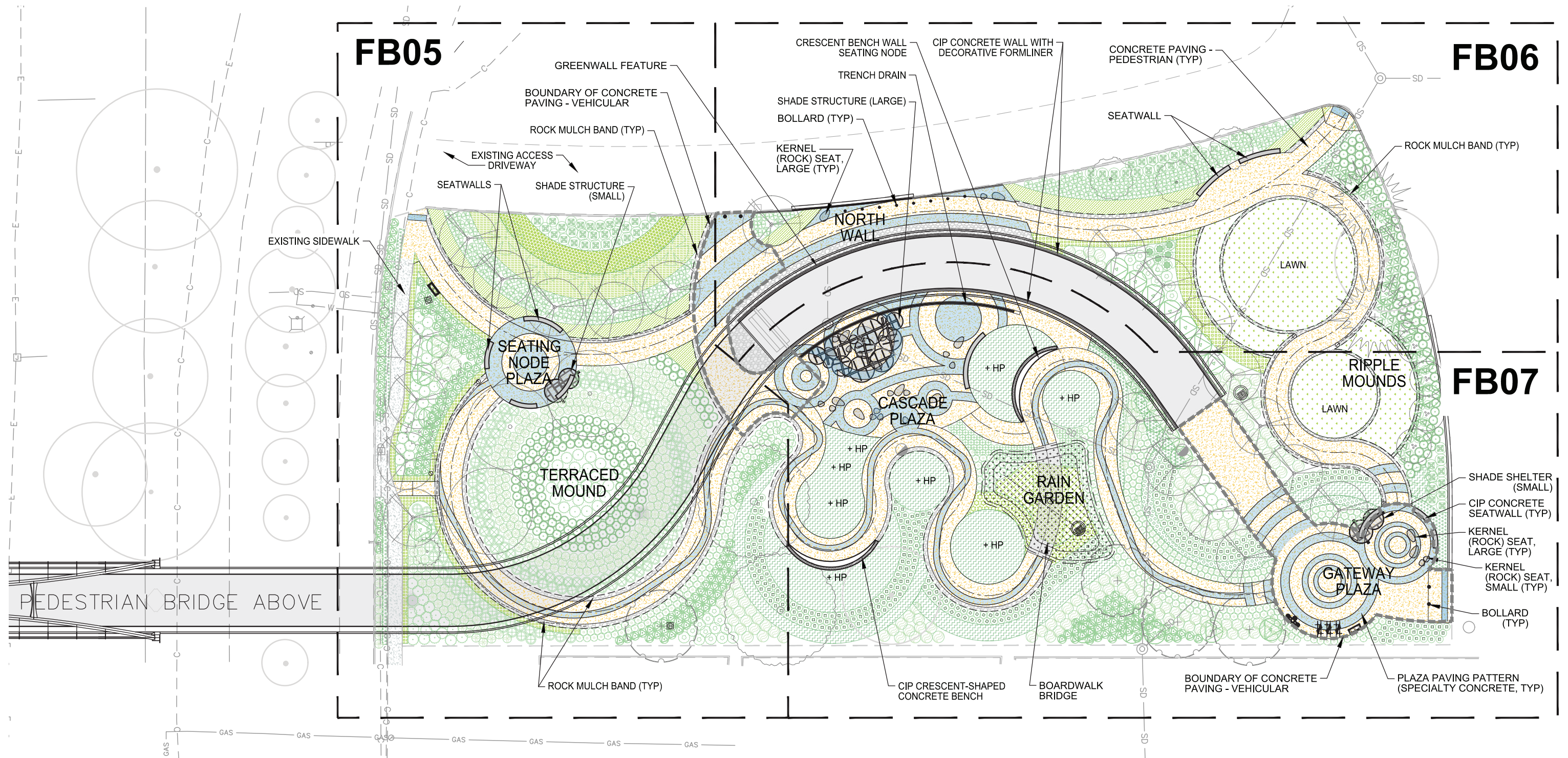


WILSONVILLE TOWN CENTER
I-5 PEDESTRIAN BRIDGE

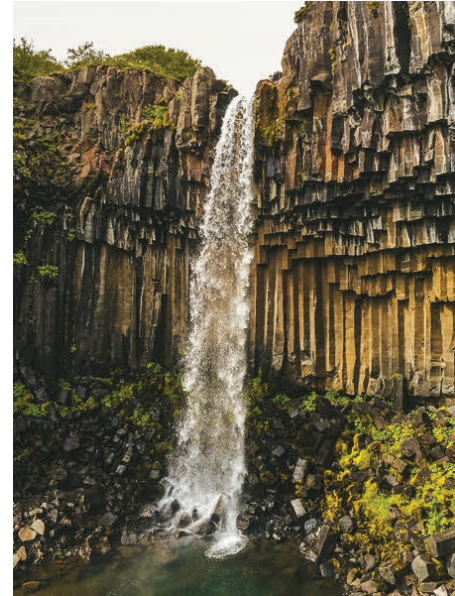


Ramp + Plaza Wall Design Follow Up

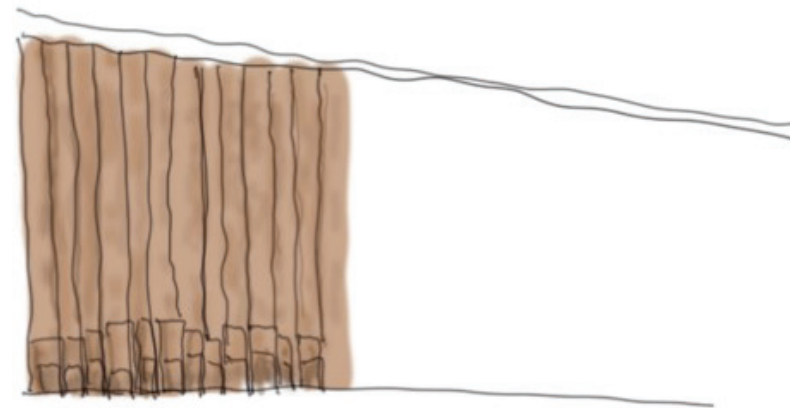
60% Design Development Plan



Option 1: BASALT (with or without water)



BASALT COLUMNS
INSPIRATION IMAGE



ELEVATION

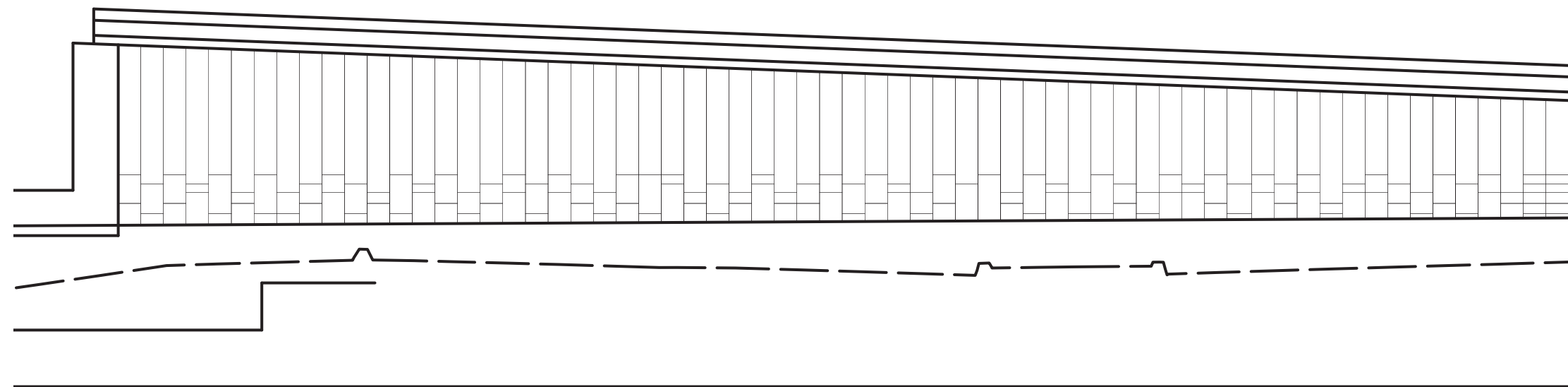


SECTION

BASALT WALL (LEFT) AND BASALT WALL WITH WATER FEATURE (RIGHT).

* BASALT WALL WOULD BE SIMILAR TO IMAGE TO REDUCE CLIMBABILITY

* BASALT WALL WITH WATER FEATURE WOULD BE INVERTED TO PROVIDE ADDITIONAL SOUND AND WATER TEXTURE



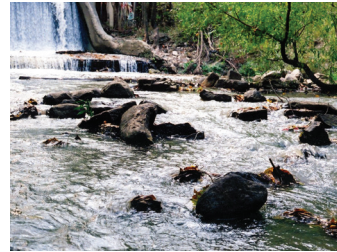
CONCEPT CAD ELEVATION

CONCEPT OF HOW THE BASALT COLUMNS COULD BE LAID OUT.

Option 2: RIVER FLOW PATTERN



CONCRETE FORM "FLOW" LINES CONCEPT



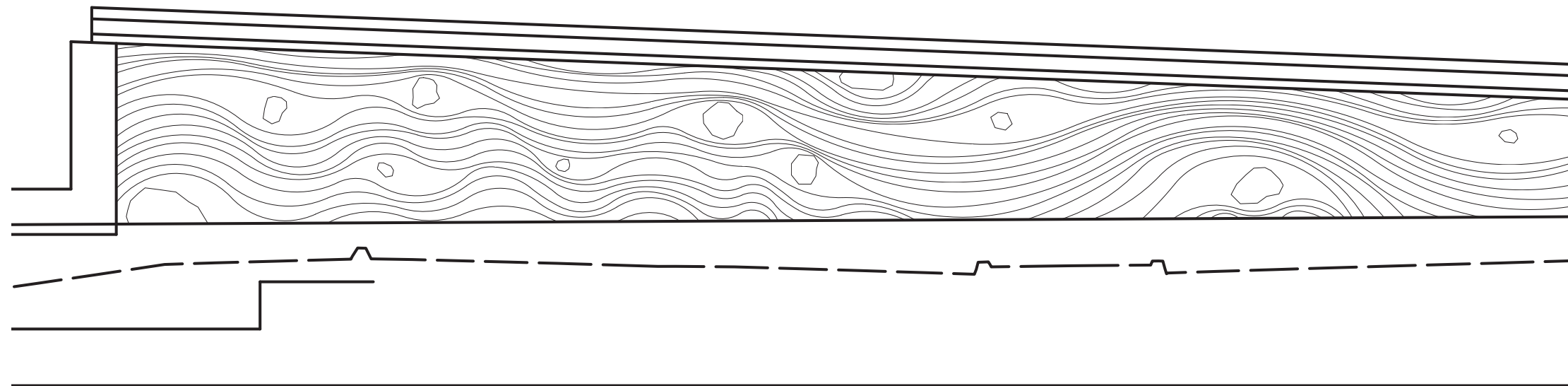
RIVER AND STONE INSPIRATION IMAGES



CONCEPT SKETCH ELEVATION

ETCHED CONCRETE/CUSTOM FORMLINER OF WATER RIPPLING OVER ROCKS.

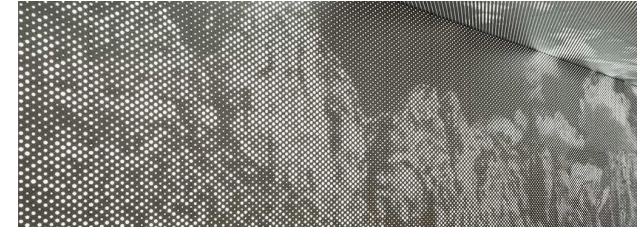
* PLAZA PAVING WOULD MIMIC WALL PATTERN.



CONCEPTUAL LAYOUT OF PATTERN, COULD HAVE SOME THREE-DIMENSIONALITY.

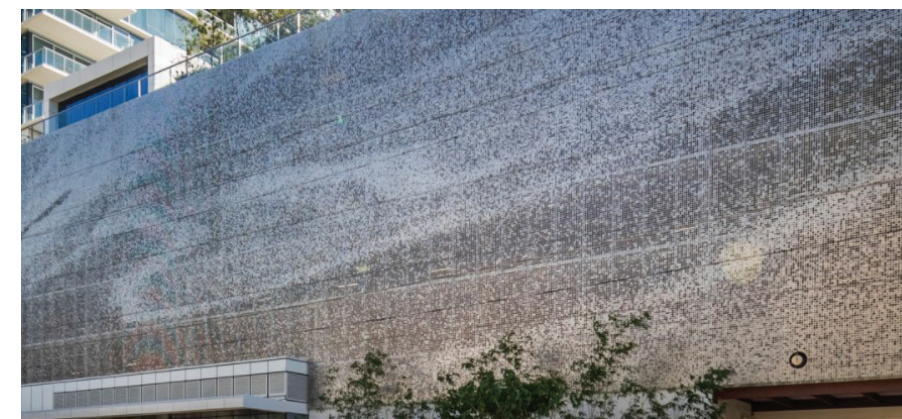
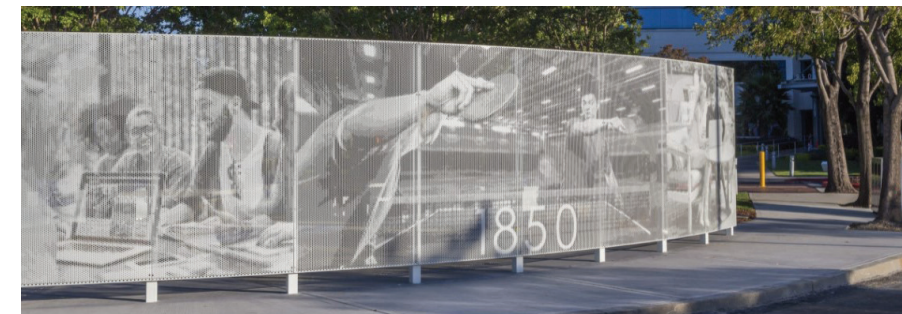
CONCEPT CAD ELEVATION

Option 3: PERFORATED METAL WITH PATTERN/IMAGE (variation of Option 2)



ALTERNATIVE TO ETCHED CONCRETE/CONCRETE FORMLINER WOULD BE A IMAGE/TEXTURE ON PERFORATED METAL.

* COULD BE BACKLIT

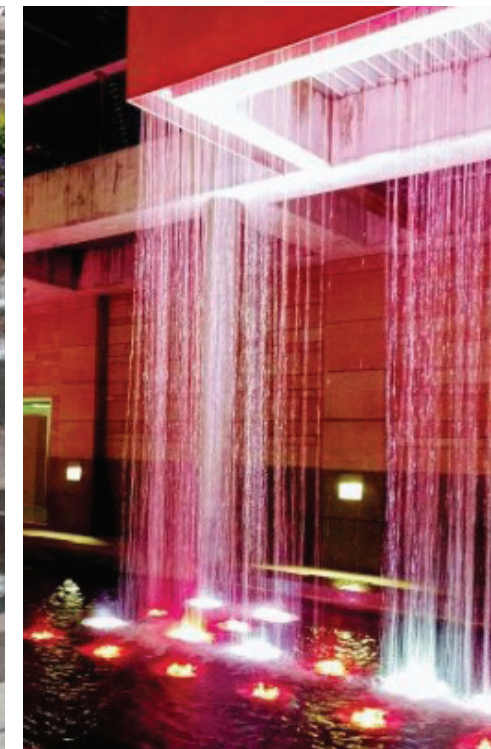
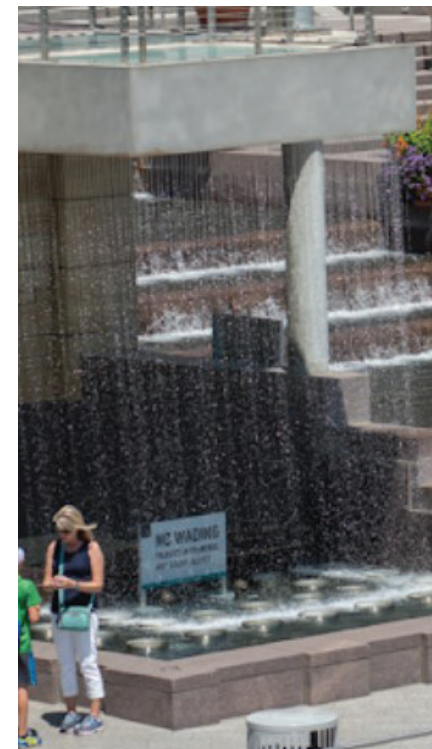


Additive Option 4: WATER FEATURE



WATER FALL, RAIN FALL, OR
PIXEL FALL

* FOUNTAIN WALL WATER
FEATURE CAN BE ADDED TO
ANY OF THE OPTIONS



ROUGH COSTS AND CONSIDERATIONS/QUESTIONS:

OPT 1: BASALT COLUMNS: \$600,000*

OPT 2: ETCHED CONCRETE/FORMLINER: \$220,000

OPT 3: PERFORATED METAL WITH IMAGE/PATTERN: \$260,000

OPT 4: WATER FEATURE: \$1.3 - \$1.7+ MILLION

* BASALT COLUMN PRICE HAS INCREASED DUE TO ADDITIONAL STRUCTURAL SUPPORT NEEDS THAT HAVE BEEN IDENTIFIED IN COORDINATION WITH RAMP STRUCTURE