

# DCPL New Lamond-Riggs Library

Commission of Fine Arts Presentation - Final

April 16, 2020



# Project Review

# Project Review Overview

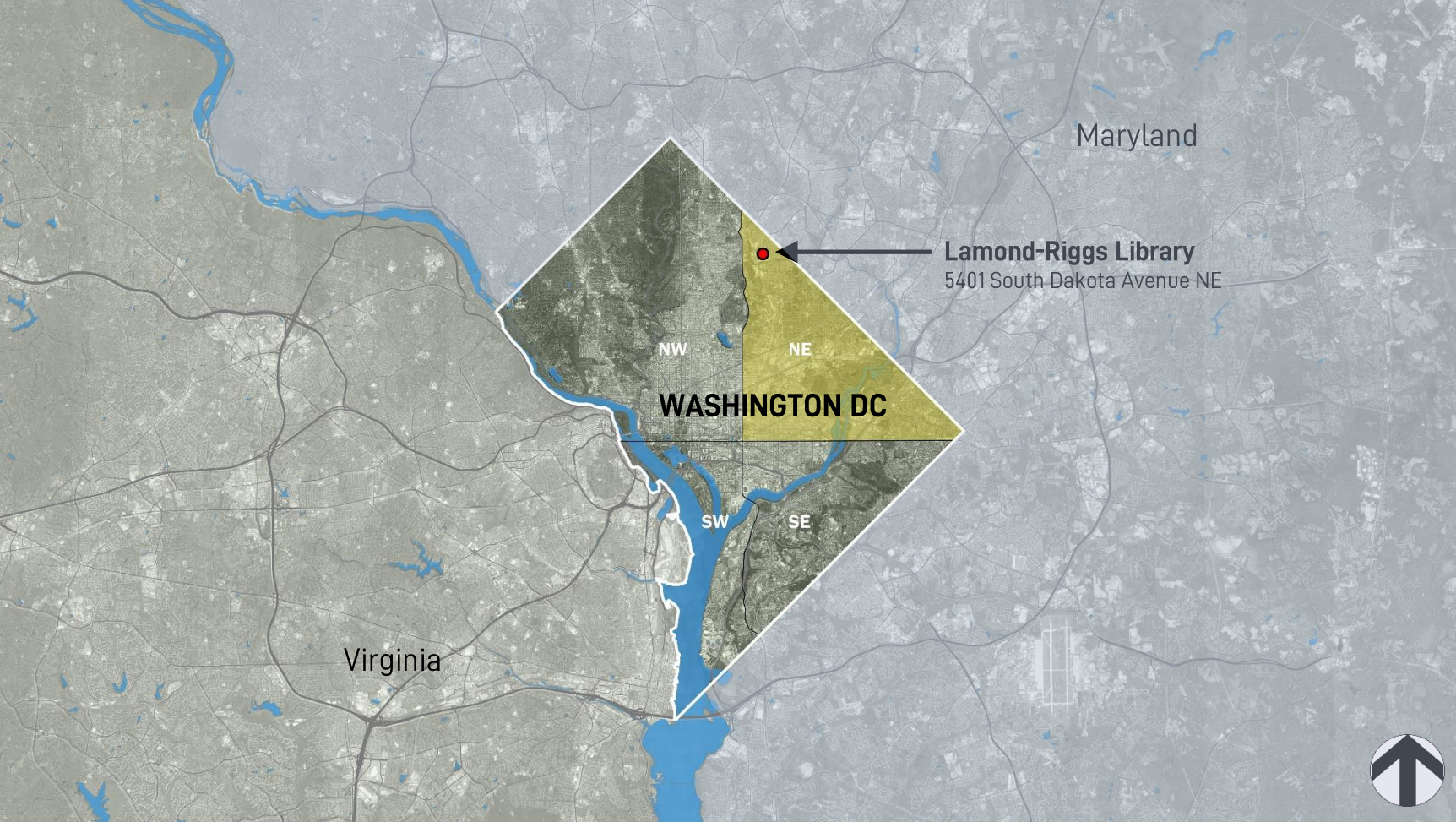
The new Lamond-Riggs Library will replace an existing 17,930 gsf library with a new two-story 23,500 gsf (appx.) building along South Dakota Avenue in northeast Washington DC.

For decades, the Lamond-Riggs neighborhood has been a stable, quiet residential community, one marked by a rhythm of single-family and duplex homes along gently sloping and curving streets. Yet as with many neighborhoods in Washington DC, change has come in the form of new larger-scale developments—a Walmart Supercenter, a new apartment complex (Art Place at Modern) and soon a large scale retail/entertainment complex directly opposite the library site. In light of those changes, community members stated a desire for a library that is bold and serves as an “extension of the home...”, a library that is forward-looking while also embracing the history of the neighborhood and heritage of its residents.

Community members also noted the existing building’s few windows, its poor visual and physical connection to the outdoors, as well as the lack of natural light. With the site’s primary façade oriented to the southwest, balancing the desire for views to nature and increased natural light while controlling for glare and heat gain is one of the challenges of the project.

The building will house a wide range of spaces including reading areas for adults and teens, a children’s discovery area, a large meeting room, study rooms of varying sizes, an “anything/anytime” space and staff support areas.

The project is being designed to meet LEED v.4 Silver standards.



# Project Review Site Context

- 1 Walmart Supercenter
- 2 Culture Coffee
- 3 Exxon Service Station
- 4 Kennedy Street NE
- 5 Existing Library
- 6 Jefferson Street NE
- 7 University of the District of Columbia – Community College (Bertie Backus Campus)
- 8 The Modern at Art Place
- 9 Fort Totten Metro Station (6 – 8 minute walk to/from library site)
- 10 Art Place at Fort Totten – Phase 2 (Future)



# Project Review Existing Library

- 1 Main Entrance
- 2 Property Line
- 3 Parking
- 4 Curb Cut
- 5 Generator



# Project Review Existing Library

- 1 View from South (from South Dakota Avenue NE)
- 2 View from Southeast (from Jefferson Street NE)
- 3 View from North (from Kennedy Street NE)
- 4 View from East (from Jefferson Street NE)



# Project Review Existing Library

- 1 Uninviting Entrance
- 2 Minimal Views to Exterior, to Nature and to Natural Light
- 3 Utilitarian Landscape
- 4 Inefficient Layout and Framing at Upper Level
- 5 Tight Structural Bays at Interior



# Project Review Concept (Extension of the Home)



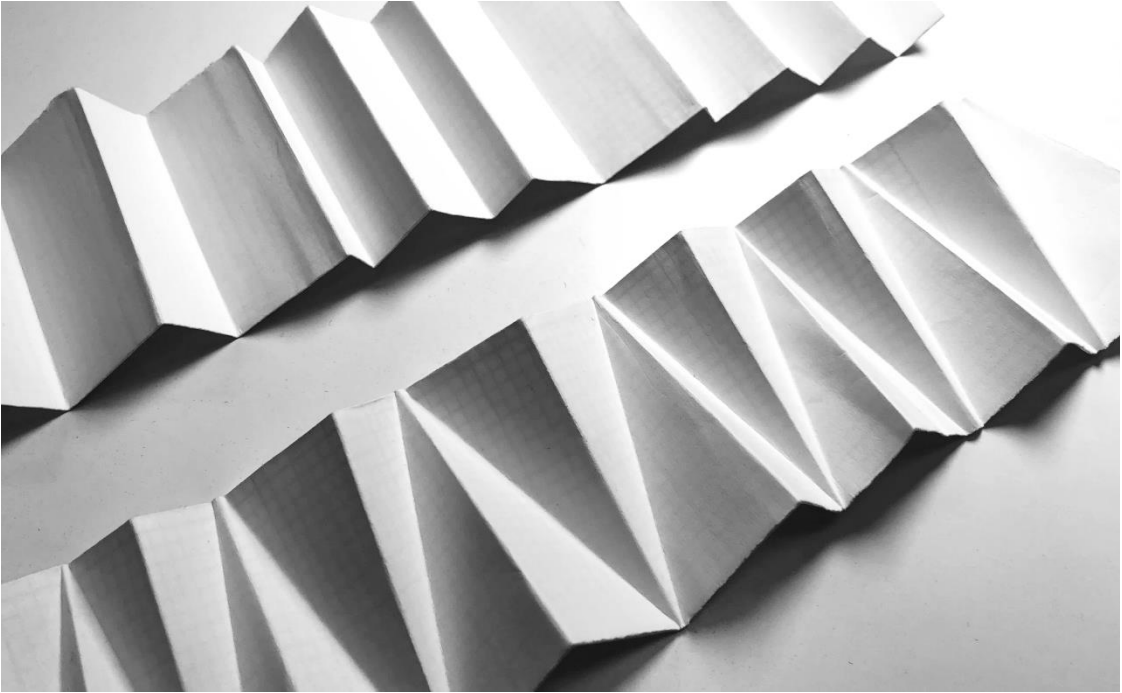
**Question 1: Role of the Library**  
What role should the Lamond-Riggs Library play in this community?

*An extension of the home and school such as a place to come to supplement reading and homework needs (from a student's standpoint)*

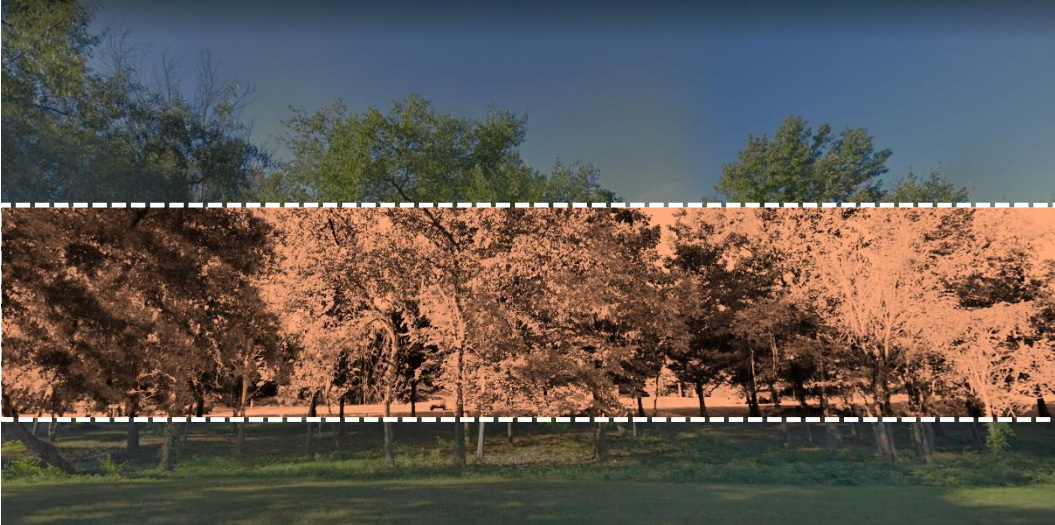




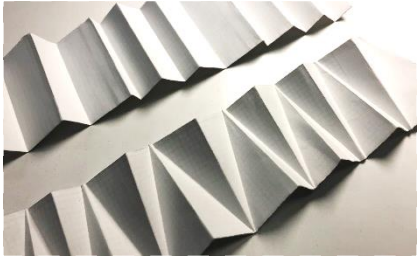
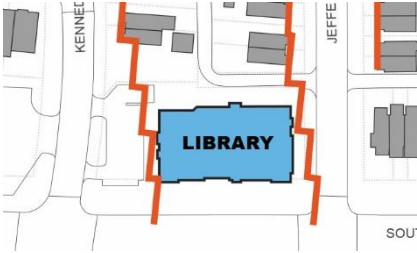
# Project Review Concept (Integration with the Neighborhood)



# Project Review Concept (Preservation of Memories)



# Project Review Concept (Home + Neighborhood + Memories)

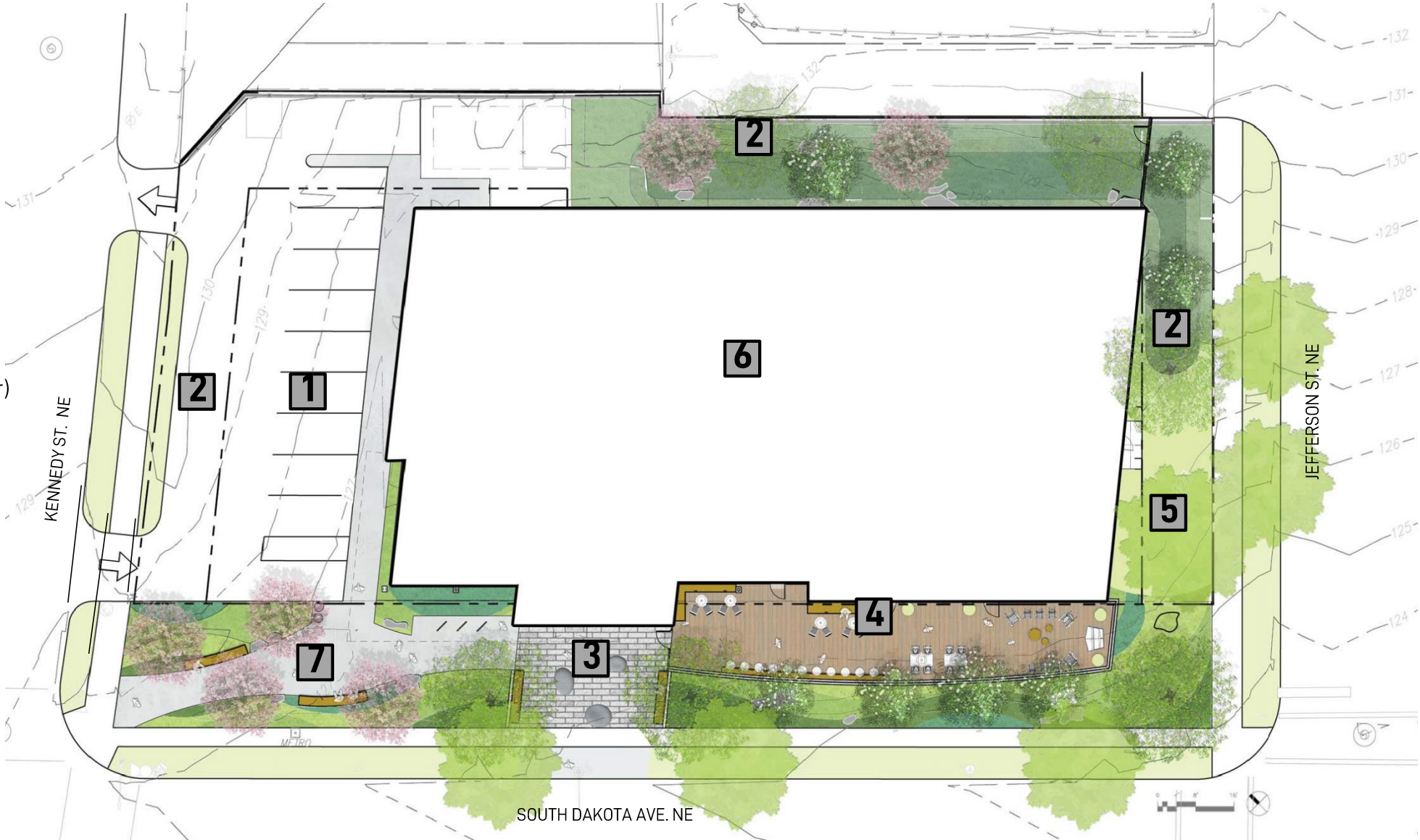


# Project Review South Dakota Avenue Elevation (Concept - 1/16/2020)



# Project Review Site Plan (Concept - 1/16/2020)

- 1 Parking
- 2 Required Setback (Side Yard: 15 feet; Rear Yard: 20 feet)
- 3 New Entry
- 4 Front Porch
- 5 Preserved Heritage Tree  
Pyrus calleryana (Bradford Pear)
- 6 High Solar Reflectance Roof
- 7 Entry Plaza



# Project Review Ground Level (Concept - 1/16/2020)

- 1 Entry Vestibule / Material Return
- 2 Entry Lobby
- 3 Information/Service Desk
- 4 Large Meeting Room
- 5 Children's Reading Room
- 6 Staff Work Room
- 7 Building Support
- 8 Open Stair / Heritage Wall



# Project Review Upper Level (Concept - 1/16/2020)

- 1 Information/Service Desk
- 2 Productivity Center
- 3 Study Rooms
- 4 Anything / Anytime Space
- 5 Neighborhood Living Room
- 6 Exterior Balcony
- 7 Adult Reading Area
- 8 Staff
- 9 Open Stair / Heritage Wall



# Project Review Comments (Concept - 1/16/2020)

## U.S. COMMISSION OF FINE ARTS

ESTABLISHED BY CONGRESS 17 MAY 1910

401 F STREET NW SUITE 312 WASHINGTON DC 20001-2728 TEL 202-564-2200 FAX 202-564-2195 WWW.CFA.GOV

27 January 2020

Dear Mr. Reyes-Gavilan:

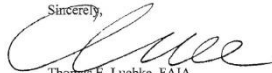
In its meeting of 16 January, the Commission of Fine Arts reviewed a concept proposal for the replacement of the Lamond-Riggs Neighborhood Library, located at 5401 South Dakota Avenue, NE. The Commission approved the concept and provided the following comments for the development of the design.

The Commission members expressed support for the proposal, commending the D.C. Public Library for its continuing commitment to design excellence for its facilities. In their discussion, they found that the proposed perforated aluminum facade screen is essential to the overall design concept, and they advised giving priority to retaining this feature during the development of the project. Noting a lack of clarity in the presentation of the many materials and details of the building's exterior, they requested additional documentation of the perforated screen and its connection to the curtainwall system, as well as the typical details for the various components of the facades.

In their support for the proposed landscape design, the Commission members identified several areas that would benefit from further study. Noting that the abstract trees depicted on the facade screen are intended to be reminiscent of the landscape across the street that will soon be lost to a new mixed-use development, they suggested extending this concept into the actual landscape of the library by planting additional trees on the site. In addition, they suggested that the proposed parking lot be reconceived to be a part of the landscape, rather than keeping it as standard pavement, and they questioned its placement on the site; they suggested that it could be pervious and be reconfigured to allow for the possible extension of the building's facade further along the South Dakota Avenue frontage, as well as for the inclusion of additional plantings, such as shade trees, near this corner. Citing the generally poor performance of Bradford pear trees, they questioned the retention of the existing pear tree near the site's southeast corner as the basis of the building and site planning. Expressing strong support for the proposed outdoor seating area, they suggested including a canopy and planting more trees to provide shade for this space. They also suggested refining and simplifying the proposed material palette to bring additional continuity to the ground plane and furnishings.

The Commission looks forward to the review of the next submission, which should include the requested documentation of building details, as well as improvements to the site incorporating the planned locations of new street trees. As always, the staff is available to assist you.

Sincerely,



Thomas E. Luebke, FAIA  
Secretary

Richard Reyes-Gavilan, Executive Director  
D.C. Public Library  
901 G Street, NW  
Washington, DC 20001

cc: Peter Cook, HGA  
Jeff Lee, Lee & Associates

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# Project Review Comments (Concept - 1/16/2020)

*"...suggested [parking lot] could be pervious and be reconfigured to allow for the possible extension of the building's façade further along South Dakota Avenue frontage...inclusion of additional plantings, such as shade trees, near this corner."*

*"...additional documentation of the perforated screen"*

*"...many materials and details of the building exterior"*

*"...extending this [abstract tree] concept by planting additional trees on the site."*

*"...questioned the retention of the existing pear tree"*

*"...simplifying the proposed material palette to bring additional continuity to the ground plane and furnishings"*

*"...suggested including a canopy and planting more trees to provide shade for this space [outdoor seating area]"*

# Architecture

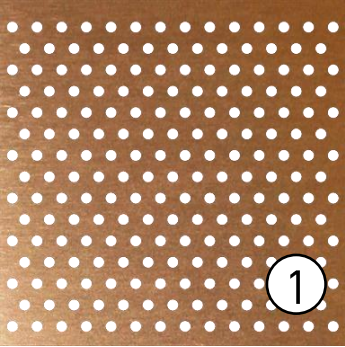
Simplify Material Palette

# Building Materials Concept (1/16/2020)

*CFA Comment: Commissioners commented on the "many materials and details of the building exterior."*



**Building Elevation** South Dakota Avenue



Perforated aluminum panel with metallic powder coating finish



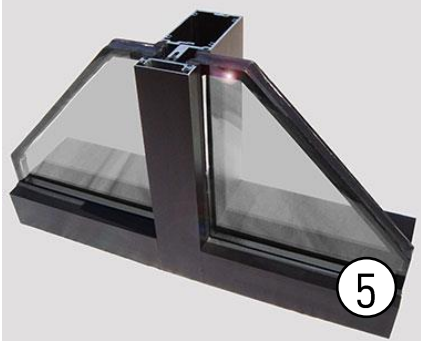
Curtain wall system with low-E vision glass and spandrel



High Pressure Compact Laminate Trespa Meteon



Fiber Cement Panel (e.g. Equitone)



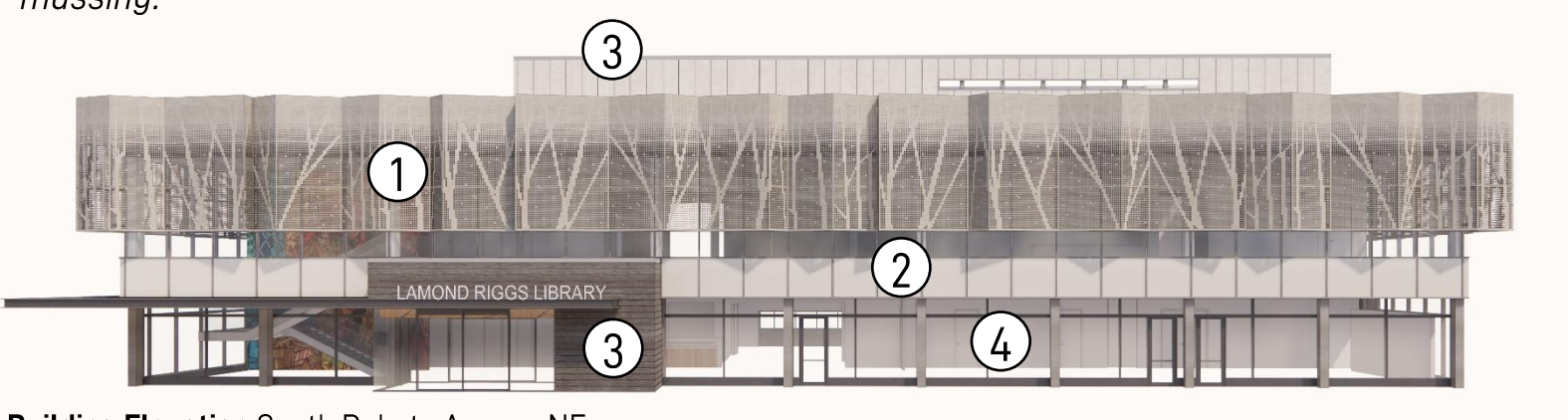
Storefront system with dark gray color mullion



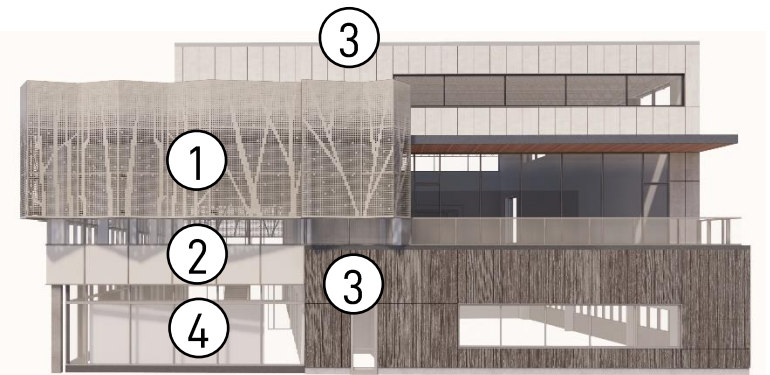
Polycarbonate Panels

# Building Materials Proposed

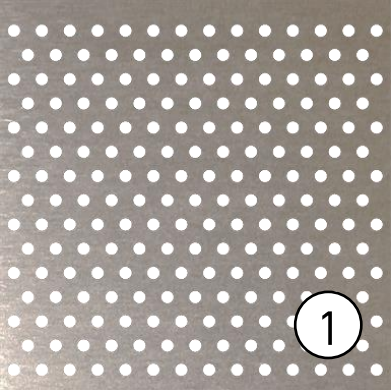
*Response: The quantity of materials has been reduced and simplified. Also, as part of simplifying the material palette that Commissioners suggested, DCPL encouraged the design team to explore an alternative color palette at the exterior to create a more striking composition that reinforces the massing.*



**Building Elevation South Dakota Avenue NE**



**Building Elevation Jefferson Street NE**



Perforated aluminum panel with metallic powder coating finish



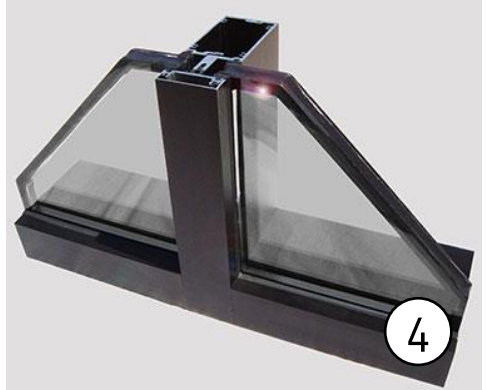
Curtain wall system with low-E vision glass and spandrel



High Pressure Compact Laminate Trespa Meteon (Brooklyn Classic + Greyed Cedar)

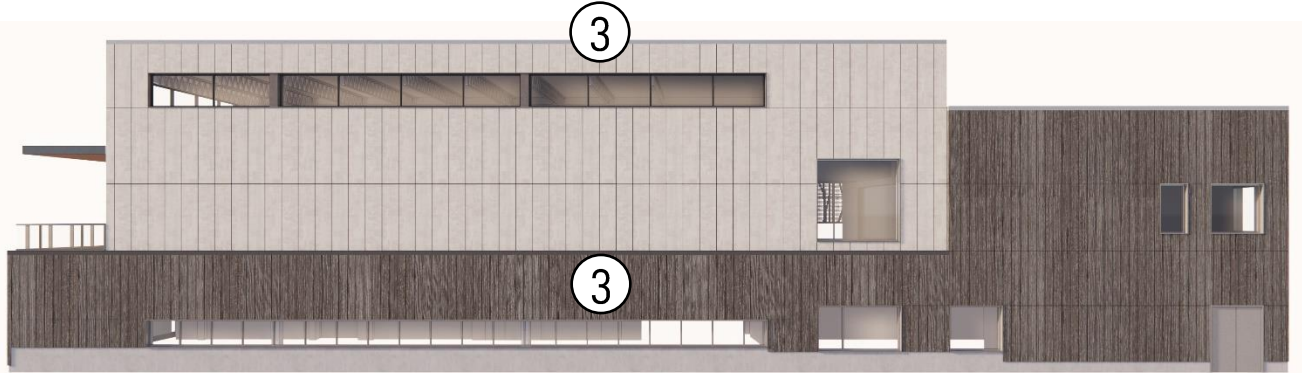


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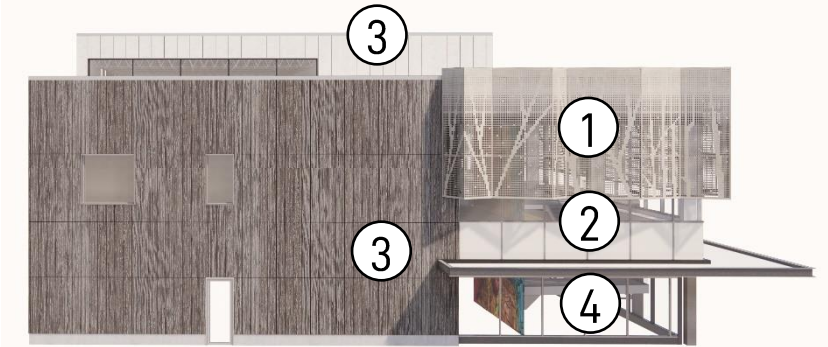


Storefront system

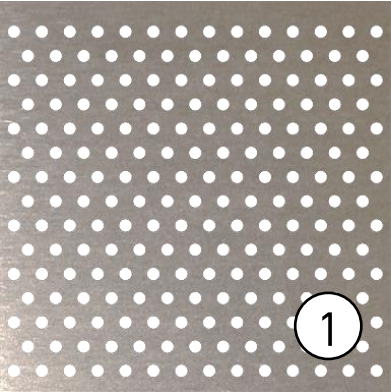
# Building Materials Proposed



**Building Elevation** Northeast (Alley)



**Building Elevation** Kennedy Street NE



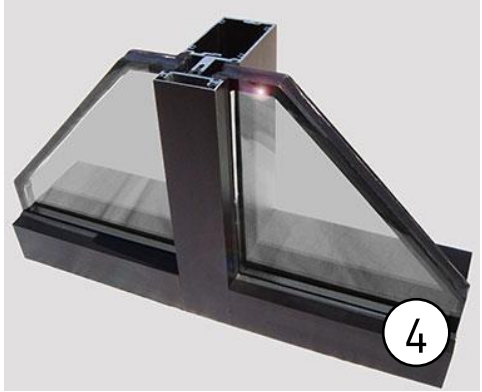
Perforated aluminum panel with metallic powder coating finish



Curtain wall system with low-E vision glass and spandrel



High Pressure Compact Laminate  
Trespa Meteon (Brooklyn Classic + Greyed Cedar)



Storefront system

# Building Materials Proposed

High Pressure Compact Laminate  
Trespa Meteoron (Brooklyn Classic)  
24" vertical flush panel

Perforated aluminum panel with  
metallic powder coating finish.5

Curtail wall system with Low-  
E vision glass

High Pressure Compact Laminate  
Trespa Meteoron (Greyed Cedar)  
8" horizontal siding

Aluminum column cover

Storefront system with dark gray  
color mullion

Anything/ Anytime Space

Adult Services

Large Meeting Room

Children's Services

# Building Materials Proposed



Clerestory widows with low-E vision glass

High Pressure Compact Laminate Trespa Meeon (Brooklyn Classic) 24" vertical panel

High Pressure Compact Laminate Trespa Meeon (Greyed Cedar) 12" vertical panel

Ribbon widows with low-E vision glass

Anything/ Anytime Space

Adult Services

Large Meeting Room

Children's Services

# Building Materials South Dakota Avenue





# Building Materials South Dakota Avenue (Detail)



# Building Materials South Dakota Avenue (Detail)



# Building Materials South Dakota Avenue



# Building Materials Jefferson Street



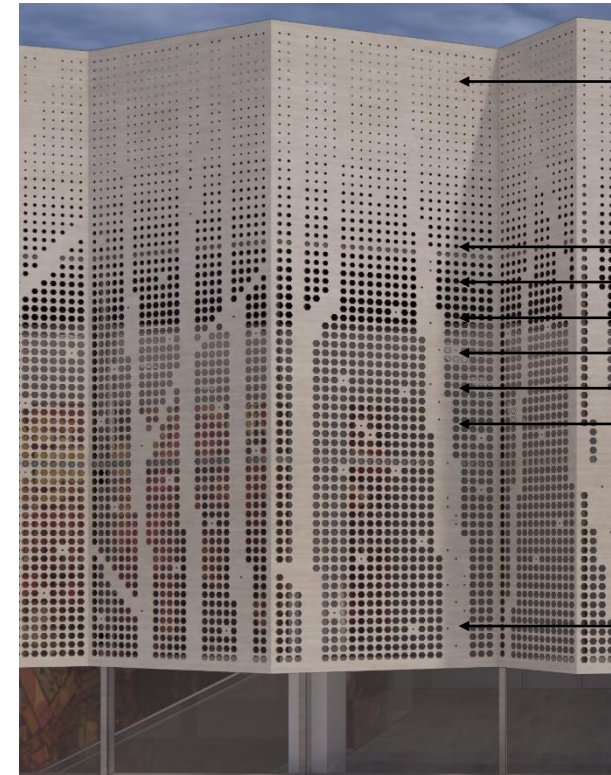
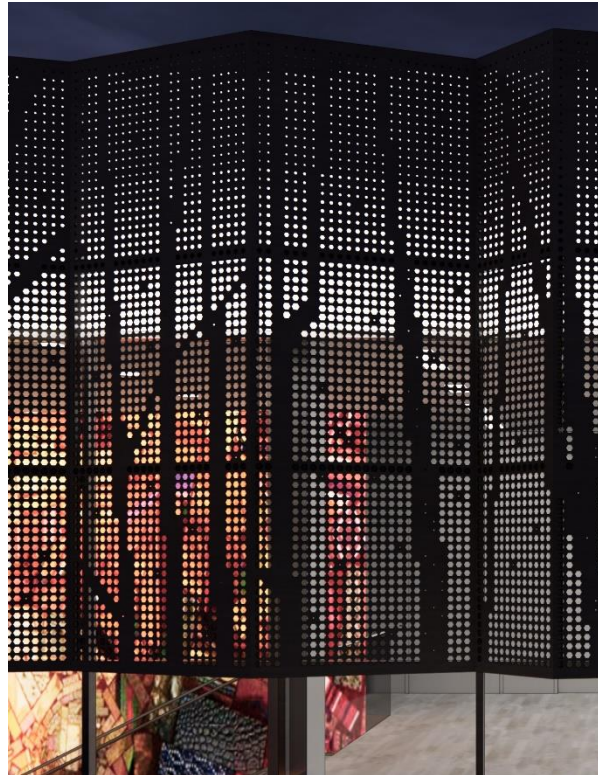
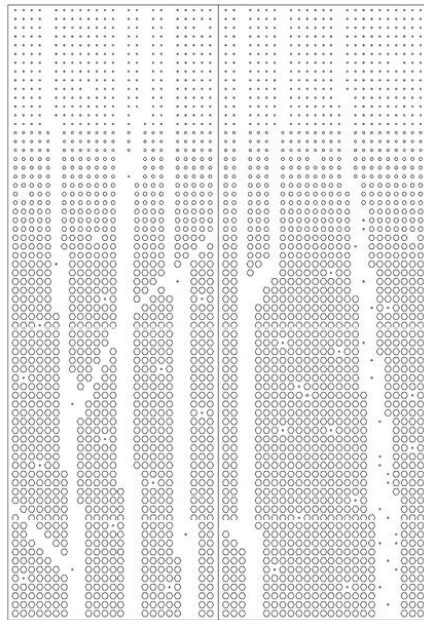
# Architecture

## Documentation of Perforated Screen

# Documentation of Perforated Screen

*CFA Comment: Commissioners requested additional documentation of the proposed exterior screen.*

*Response: Example of perforations at exterior screen, ranging from 1/2" to 2" in diameter, depending on patterning of individual panel*



1/2" diameter (circular, typ.)

3/4" diameter

1" diameter

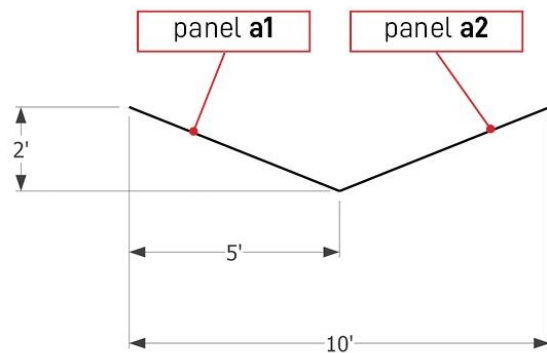
1 1/4" diameter

1 1/2" diameter

1 3/4" diameter

2" diameter

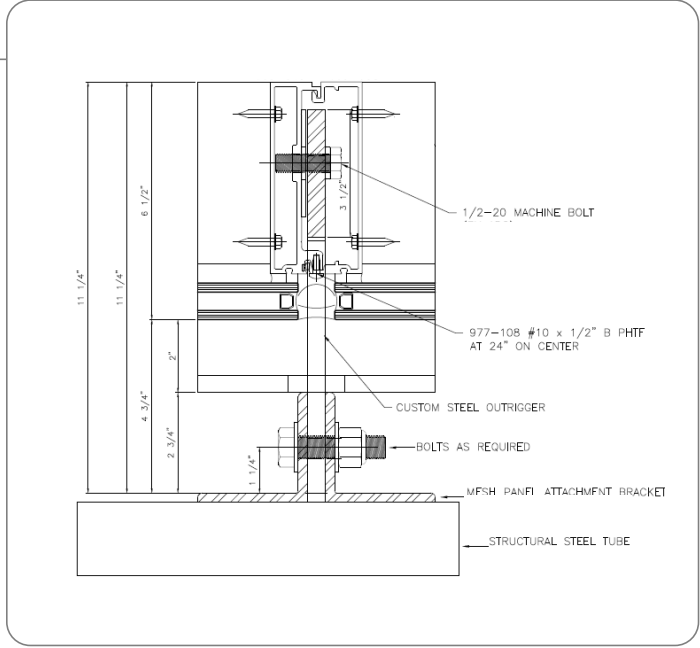
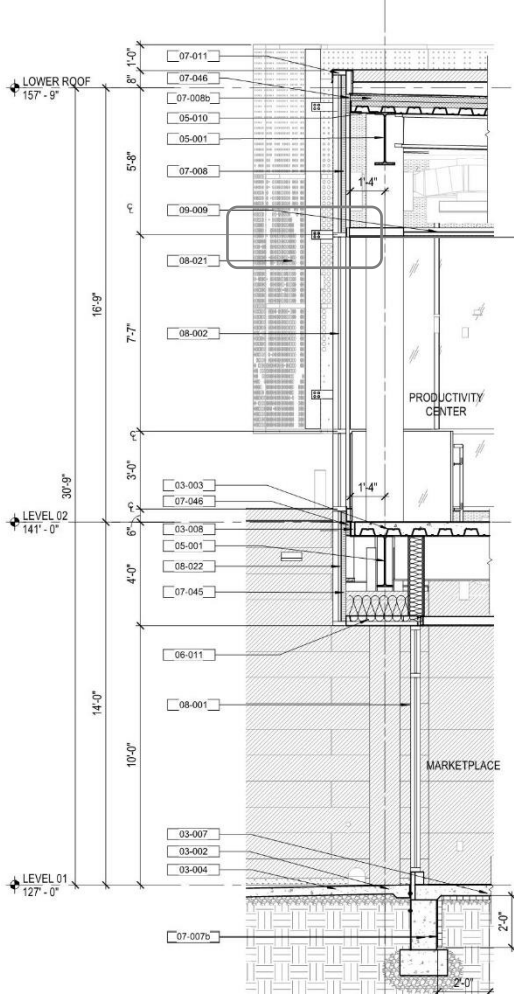
2" diameter



# Documentation of Perforated Screen

*Response: Section and Plan illustrating design intent at upper level perforated screen*

#	DESCRIPTION
03-001	CAST IN PLACE CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS FOR MORE INFO
03-002	CAST IN PLACE CONCRETE SLAB - SEE STRUCTURAL DRAWINGS FOR MORE INFO
03-003	COMPOSITE CONCRETE AND METAL DECK FLOOR STRUCTURE - SEE STRUCTURAL DRAWINGS FOR MORE INFO; 1 HR RATED UL D916
03-004	POURED/FORMED CONCRETE WALKWAY, PROVIDE CONCRETE SCORING AS INDICATED ON LANDSCAPE DRAWINGS. SEE CIVIL/SITE DRAWINGS FOR MORE INFO
03-007	UNDERSLAB VAPOR BARRIER & GRAVEL
03-008	METAL DECK POUR STOP
04-002	8" NOMINAL CONCRETE MASONRY UNIT; REFER TO STRUCTURAL DRAWINGS
04-003	4" NOMINAL CONCRETE MASONRY UNIT; REFER TO STRUCTURAL DRAWINGS
05-001	STRUCTURAL STEEL MEMBER - SEE STRUCTURAL DRAWINGS FOR MORE INFO
05-005	2-1/2" MTL STUD @ 16" O.C.
05-008	6" COLD FORMED MTL STUD @ 16" O.C.
05-010	METAL DECK - SEE STRUCTURAL DRAWINGS FOR MORE INFO
06-011	5/8" EXTERIOR GYP SHEATHING
07-005	R-19; 6" BATT INSULATION (INSUL-x)
07-005b	R-38; 12" BATT INSULATION (INSUL-x)
07-007b	R-10; 2" RIGID INSULATION
07-008	R-8; 2" MINERAL FIBER BOARD INSULATION; SEE SPEC (INSUL-x)
07-008b	R-28; (2) 1/2" STAGGERED POLYISO RIGID INSULATION; SEE SPEC (INSUL-x)
07-011	ALUMINUM COPING; PROVIDE 6" WIDE BACK-UP AND COVERPLATES AT JOINTS
07-045	2" THICK MINERAL WOOL BOARD INSULATION TIGHTLY FITTED BETWEEN MULLION
07-046	MINERAL WOOL BATT SAFING
07-067	WOOD VENEER FACED COMPOSITE PANEL SYSTEM
08-001	FACTORY FINISHED ALUMINUM STOREFRONT SYSTEM
08-002	FACTORY FINISHED ALUMINUM CURTAIN WALL SYSTEM
08-021	BUILDING SUN SHADE ASSEMBLY ATTACHED TO CURTAINWALL MULLION
08-022	INSULATING SPANDREL GLASS
09-009	ACOUSTICAL CEILING TILE; REFER TO CEILING PLANS FOR TILE SIZE



Keynotes

Section

Plan

# Documentation of Perforated Screen Interior View

*Response: Interior view at Upper Level with views looking southeast*





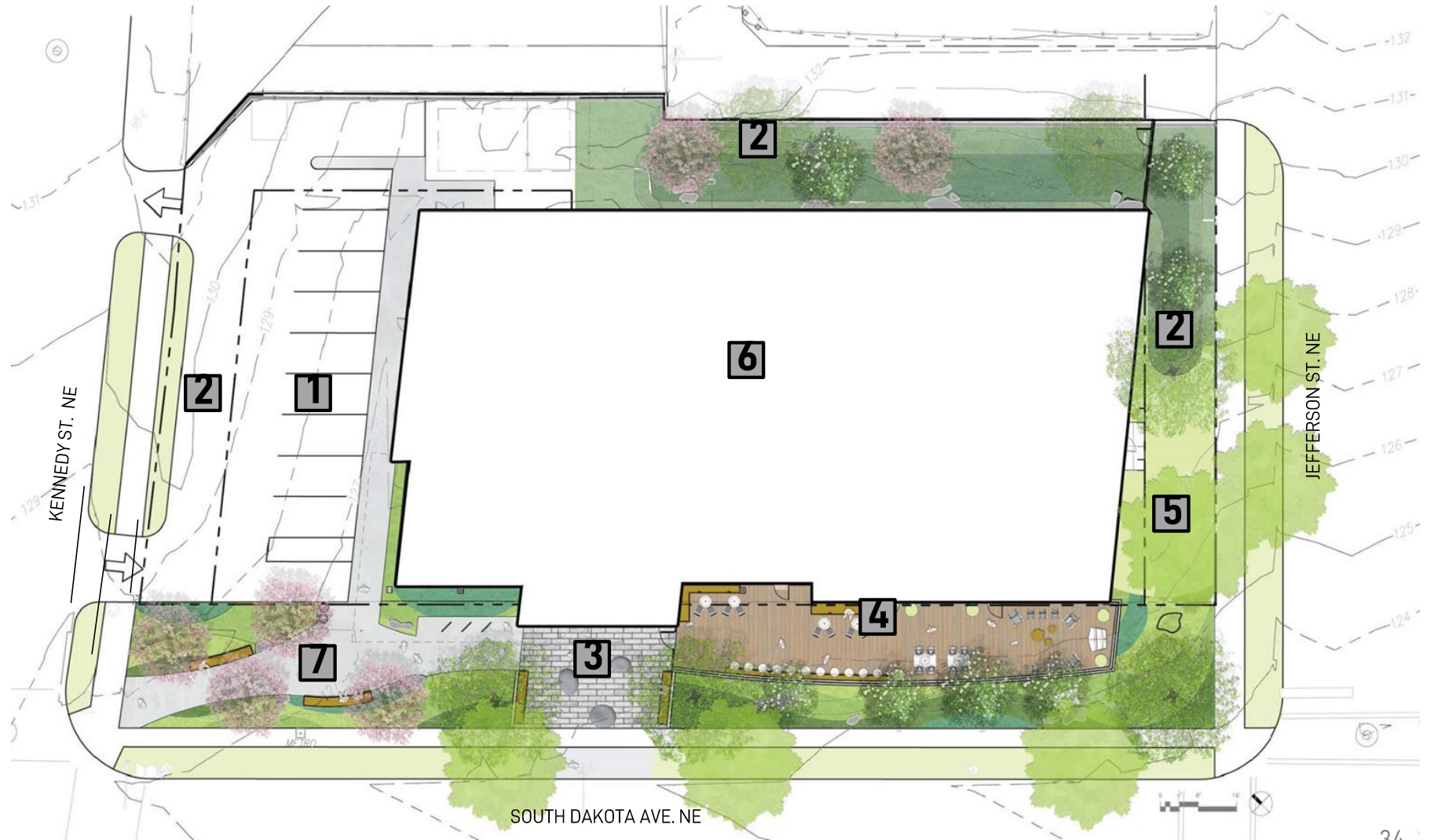
# Site

Parking Lot  
Material Palette

# Site Concept - 1/16/2020

*CFA Comments: Commissioners suggested [parking lot] could be pervious and be reconfigured...[include] additional plantings such as shade trees near this corner...[simplify] the proposed material palette to bring additional continuity to the ground plane and furnishings*

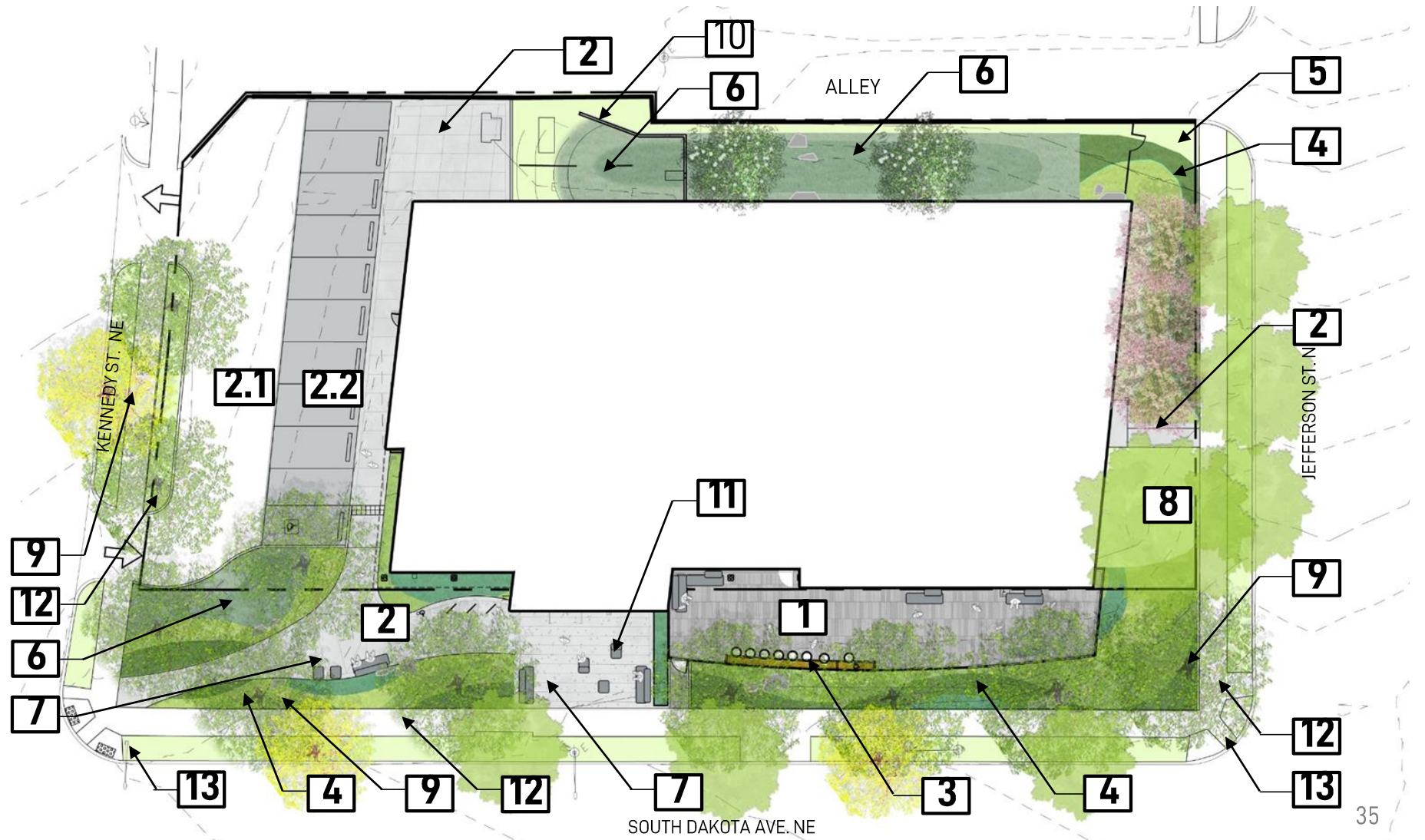
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- 2 Required Setback (Side Yard: 15 feet; Rear Yard: 20 feet)
- 3 New Entry
- 4 Front Porch
- 5 Preserved Heritage Tree  
Pyrus calleryana (Bradford Pear)
- 6 High Solar Reflectance Roof
- 7 Entry Plaza



# Site Proposed Landscape Plan

*Response: Parking spaces shifted towards the back of the building to accommodate a larger planting area at the front corner of the building. This planting area also treats stormwater runoff from Kennedy Street. Parking spaces are now poured-in-place concrete flush to the concrete sidewalk, creating an entrance plaza. A bioretention area at the back of the building captures and treats runoff from the parking area.*

- 1 Concrete Pavers
- 2 Poured in Place Concrete (Pedestrian)
- 2.1 Asphalt (Vehicular)
- 2.2 Dark Concrete (Vehicular)
- 3 Front Porch – High Top Table
- 4 Native Ornamental Planting
- 5 Hardy Ground Cover
- 6 Stormwater Management Area
- 7 Bench
- 8 Existing Tree to Remain
- 9 Proposed Tree
- 10 Bioretention Wall
- 11 Seating Stones
- 12 Existing sidewalk to remain
- 13 Existing HC ramp to remain



# Site Materials



Bench: Pre-Cast Concrete: Grey color: Side and Center Arm rests to be added. To the benches



Bike Rack: Powder Coated Steel: Grey color



Pavers: Grey Linear Pavers

# Site Entrance Plaza / Parking Lot

*Response: Simplified paving and site furnishings palette*



## Entrance Plaza-Front Door:

- Simplified Material Palette:
  - Poured-in-Place Concrete Paving
  - Pre-Cast Concrete Benches

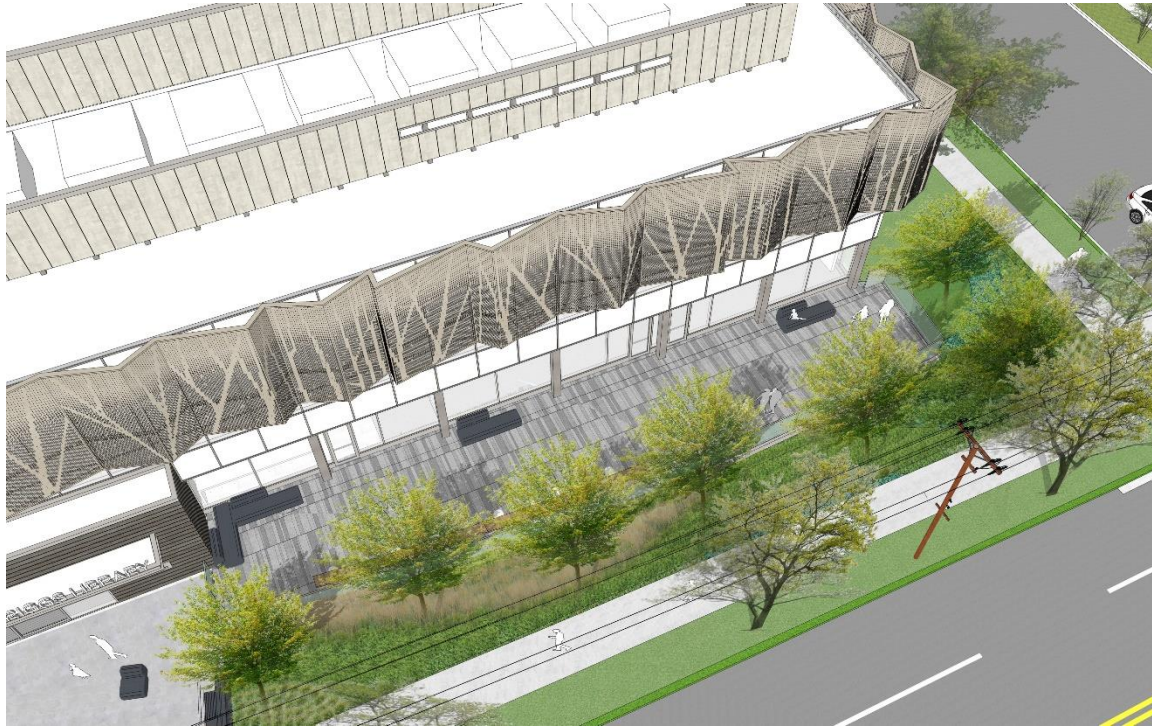


## Entrance Plaza-Parking Lot:

- Simplified Material Palette & Expanded Planting at Corner of Building:
  - Poured-in-Place Concrete Paving
  - Pre-Cast Concrete Benches

# Site Front Porch

*Response: Simplified paving and site furnishings palette*



## Front Porch

- Simplified Material Palette / Shade Trees at Porch:
  - Concrete Pavers – Grey Palette
  - Precast Concrete Benches
  - Chinese Elm Shade Trees at Edge of Porch.
    - Fast Growing: appx. 2 feet growth per year
    - Full Growth in 15 Years: appx. 30 feet
    - Expanded Root Zone below Pavers

# Site

Shading of Outdoor Seating Area  
Abstract Tree Concept (Plant Additional Trees)  
Bradford Pear Tree

## Site Shading of Outdoor Seating Area (Concept)

*CFA Comment:* Commissioners noted that front porch is exposed to low south/southwest sun and requested the design team to explore approaches to provide shading in this area.

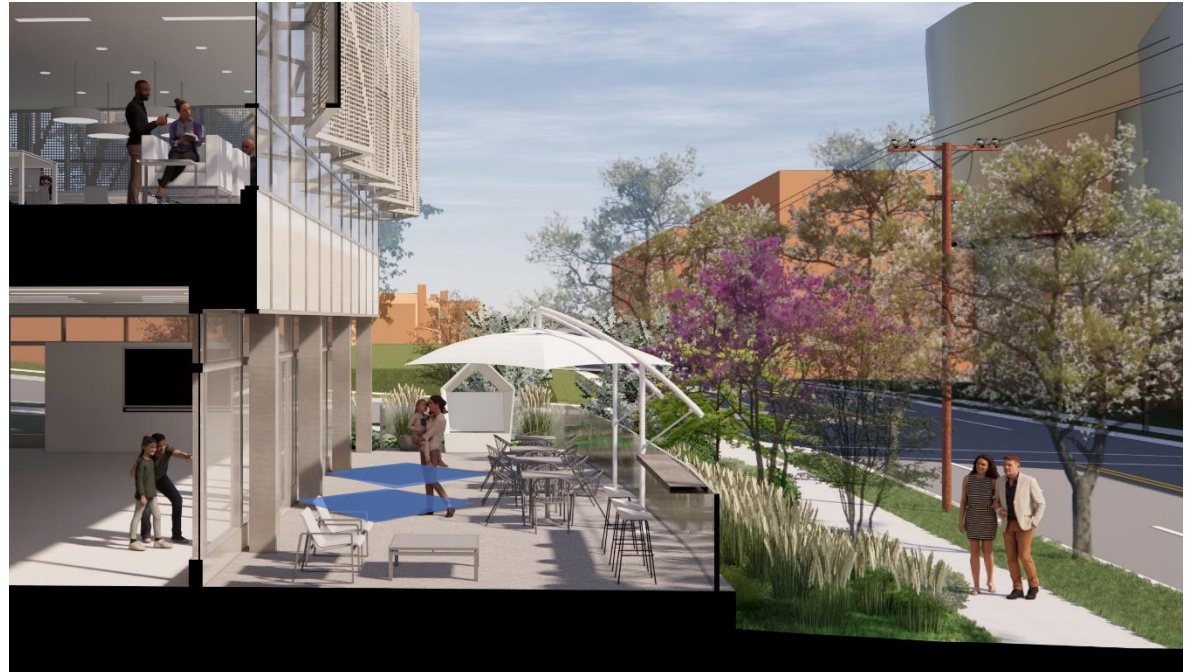




## Site Shading of Outdoor Seating Area (Studies)

*Response 1 (Bottom Left): The design team explored extruding the canopy currently at the entry vestibule into the "front porch". However, if extruded to same dimension, canopy will provide limited shade relief to porch occupants. Canopy also extends into public space requiring additional public review. The team does not recommend this solution.*

*Response 2 (Bottom Right): In lieu of a permanent shading device (e.g. canopy), the team explored using a temporary/removable seasonal shading fixtures at porch. The team does not recommend this out of concern that fixtures are too informal for South Dakota Avenue.*



# Site Shading of Outdoor Seating Area (Recommendation)

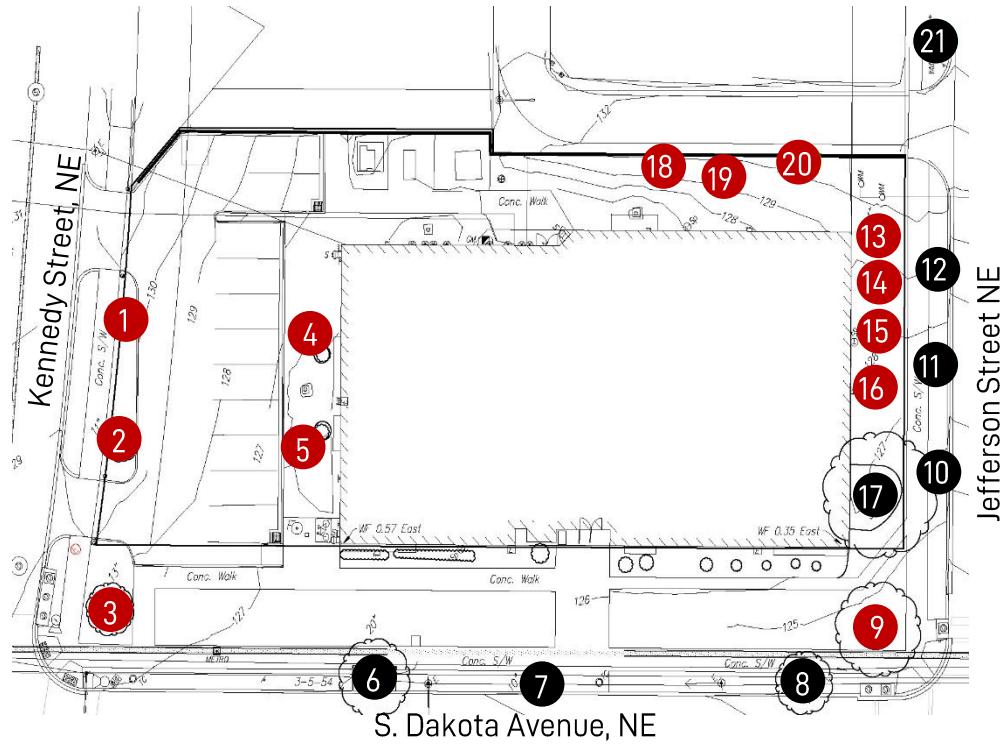
*Response: The team explored—and recommends—providing additional deciduous shade trees between porch and sidewalk to address solar exposure, a solution that is consistent with the design overall concept*



# Site Abstract Tree Concept / Plant Additional Trees

CFA Comment: Commissioners suggested the "...inclusion of additional plantings, such as shade trees, near this corner...questioned the retention of the existing pear tree"

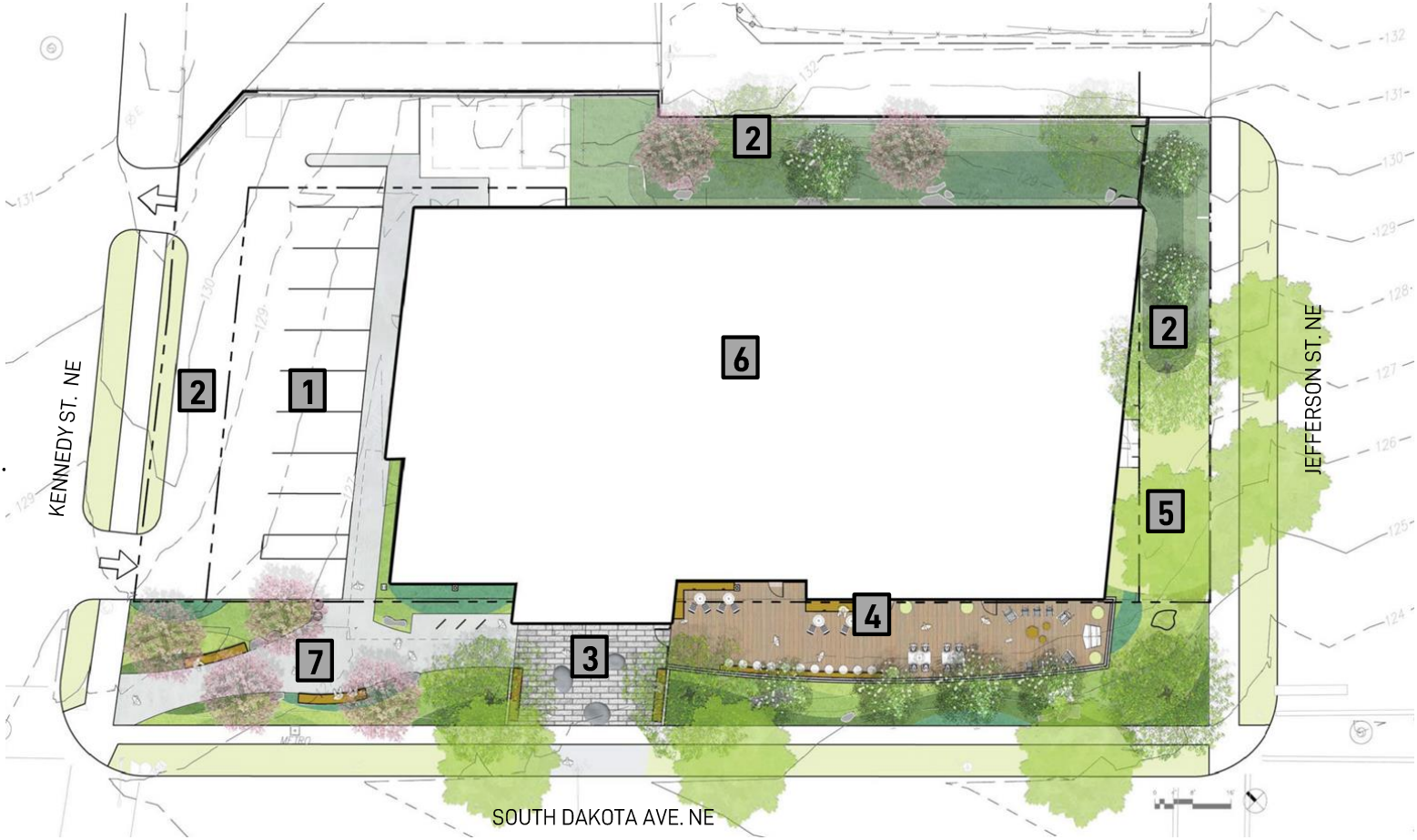
Response: Additional tree canopy is provided around the building with larger canopy trees planted along South Dakota Avenue to provide additional shade. The existing Pear tree will be preserved.



● Trees to be Removed

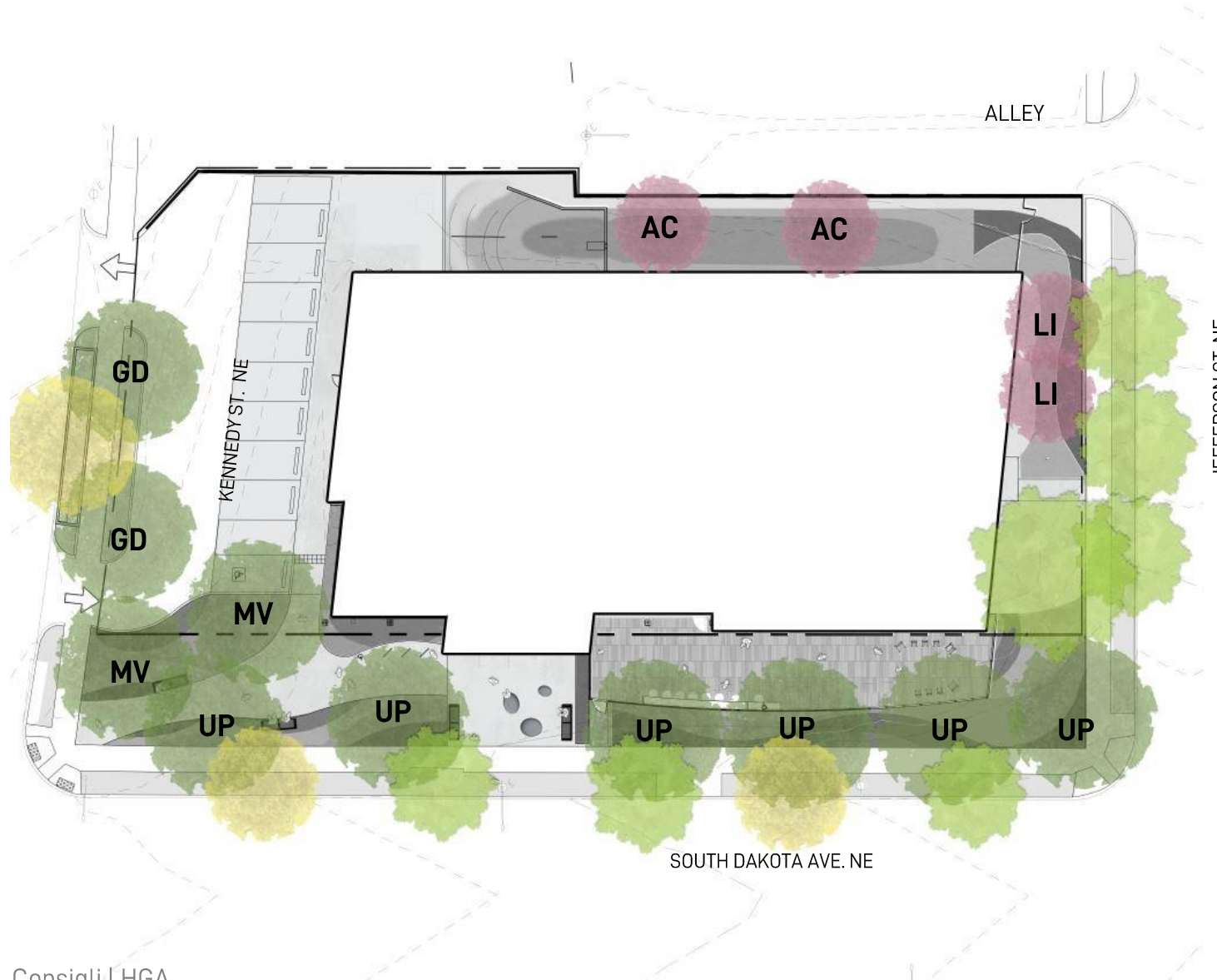
Tree Number	Common Name	Scientific Name	DBH (Trunk Diameter in Inches Measured at 4.5 FT)	Condition	Notes
1	Bradford Pear	<i>Pyrus calleryana</i>	12.2	Poor	Notable dieback, short twig elongation, major decay in trunk and mains stems, graft incompatibility. recommend removal
2	Bradford Pear	<i>Pyrus calleryana</i>	12.9	Fair/Poor	Low vigor, crown has been pruned back / retrenched presumably due to dieback. Short twig elongation
3	Bradford Pear	<i>Pyrus calleryana</i>	10.5, 14.0	Fair	Crown has been pruned back, re-sprouting vigorously, graft incompatibility, indication of previous girdling at base of trunk, damage to exposed surface roots. Poor soil, high foot traffic
4	Crape Myrtle	<i>Lagerstroemia indica</i>	7 ft tall	Good	Multi-stem clump, no concerns
5	Crape Myrtle	<i>Lagerstroemia indica</i>	10 ft tall	Good	Multi-stem clump, no concerns
6	Willow Oak	<i>Quercus phellos</i>	19.5	Good	Full crown, no concerns. growing in continuous planting strip between sidewalk and road. growing into utility lines
7	Willow Oak	<i>Quercus phellos</i>	10.3	Fair/Poor	Tree has been topped for utility printing. reduced crown size. tip dieback throughout canopy. pavement close to trunk on three sides, continuous strip on fourth side
8	Willow Oak	<i>Quercus phellos</i>	16.4	Good/Fair	Minor tip dieback. mostly full and vigorous. growing in continuous strip. Minor partial girdling of root flares by surface roots
9	Bradford Pear	<i>Pyrus calleryana</i>	21.8	Fair	Quite vigorous. but poor structure, major branch breakout has left wound and decay. graft incompatibility. leaning towards street and power lines
10	Bald Cypress	<i>Taxodium distichum</i>	2.2	Fair	Tip dieback. low vigor. likely due to transplant shock
11	Tree Lilac	<i>Syringa reticulata</i>	2.6	Poor	Tree appears mostly dead. some branches still have leaves and good buds
12	Bald Cypress	<i>Taxodium distichum</i>	4.3	Good/Fair	Mostly full and vigorous.
13	Bradford Pear	<i>Pyrus calleryana</i>	3.5, 4.0, 4.7, 3.0, 4.5, 3.5, 3.0, 4.5, 4.5	Fair/Poor	Sprouts growing from decaying old stump. moderately vigorous, but poor structure
14	Crape Myrtle	<i>Lagerstroemia indica</i>	1.2, 1.5, 1.4, 1.0	Good	No concerns
15	Crape Myrtle	<i>Lagerstroemia indica</i>	2.0, 2.5, 2.5, 2.3, 2.5, 2.3	Good	No concerns
16	Crape Myrtle	<i>Lagerstroemia indica</i>	1.5, 1.0, 1.2	Good	No concerns
17	Bradford Pear	<i>Pyrus calleryana</i>	26.7	Fair	Vigorous. history of major branch breakage with large wounds. decay in main stems.
18	White Mulberry	<i>Morus alba</i>	3.5, 3.0, 3.5, 2.0	Fair	Good vigor. sprouting from old stump. vigorous. weedy
19	American Elm	<i>Ulmus americana</i>	5.3	Fair/Poor	Decent vigor. poor structure/form, numerous sprouts emerging from old wound
20	White Mulberry	<i>Morus alba</i>	5	Fair/Poor	Vigorous. sprouted form, likely hedged back previously. weedy
21	Sugar Maple	<i>Acer saccharum</i>	4.9	Fair	Reasonably full. shorter twig elongation suggests lower vigor. some dead branches

# Site Concept - 1/16/2020



- 1 Parking
- 2 Required Setback (Side Yard: 15 feet; Rear Yard: 20 feet)
- 3 New Entry
- 4 Front Porch
- 5 Preserved Heritage Tree  
*Pyrus calleryana* (Bradford Pear)
- 6 High Solar Reflectance Roof
- 7 Entry Plaza

# Site Abstract Tree Concept / Plant Additional Trees



-  Existing Tree to Remain
-  Proposed Canopy Tree
-  Proposed Tree by DDOT
-  Proposed Understory Tree

## Proposed Trees:

*UP - Ulmus parvifolia*  
Chinese Elm

*LI - Lagerstroemia indica*  
Crape Myrtle

*GD Gymnocladus dioica*  
Kentucky Coffee Tree

*AC - Amelanchier canadensis*  
Serviceberry

*MV - Magnolia virginiana*  
Sweetbay Magnolia



Existing Pear Tree to be preserved for spring color and corer prominence.

# Site Planting Palette

## TREES AND SHRUBS



*Lagerstroemia indica*  
Crape Myrtle



*Ulmus parvifolia*  
Chinese Elm



*Magnolia virginiana*  
Sweetbay magnolia



*Gymnocladus dioica*  
Kentucky Coffee Tree



*Amelanchier canadensis*  
Serviceberry



*Ilex glabra 'Compacta'*  
Inkberry Holly



*Cornus sericea 'Farrow'*  
Farrow Red Twig Dogwood

## GRASSES, PERENNIALS AND GROUND COVER



*Muhlenbergia capitaris*  
Pink Muhlygrass



*Hylotelephium spectabile 'Brilliant'*  
Brilliant stonecrop



*Amsonia hubrichtii*  
Bluestar



*Carex pensylvanica*  
Pennsylvania sedge



Bioretention planting

# Site Abstract Tree Concept / Plant Additional Trees / Shading of Outdoor Areas



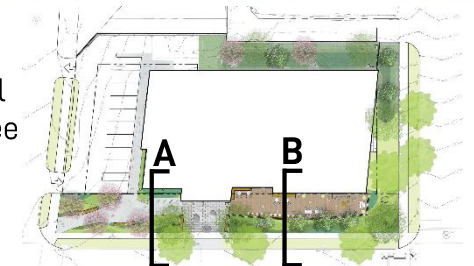
**Section A:**

- 1 Plaza – Paving over Structural Soil
- 2 Planting Buffer & New Chinese Elm Tree
- 3 Existing Sidewalk and Willow Oak Tree
- 4 South Dakota Avenue NE

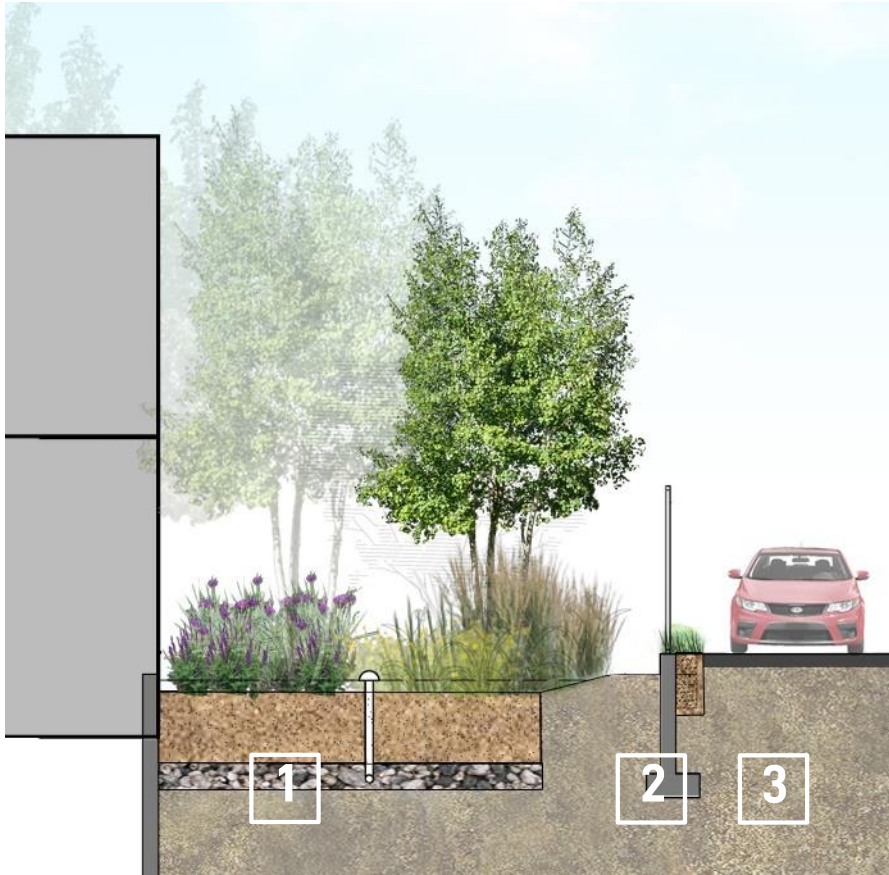


**Section B**

- 5 Front Porch – Paver over Structural Soil
- 6 Planting Buffer & New Chinese Elm Tree
- 7 Existing Sidewalk and Willow Oak Tree
- 8 South Dakota Avenue NE

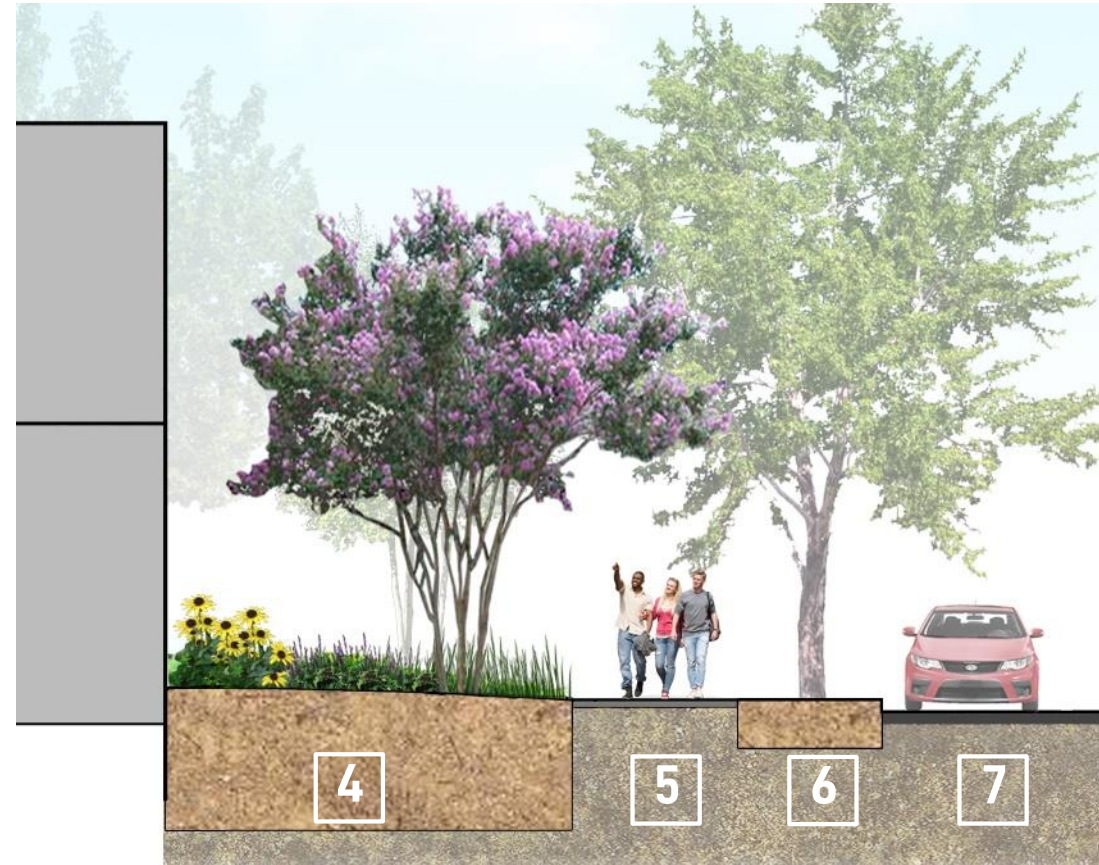


# Site Abstract Tree Concept / Plant Additional Trees / Shading of Outdoor Areas



## Section C

- 1 Bioretention Planting w/ new Serviceberry Tree
- 2 Existing wall & Fence
- 3 Alley



## Section D

- 4 Planting w/ new Crape Myrtle Tree
- 5 Sidewalk
- 6 Street tree pit
- 7 Jefferson Street NE

