

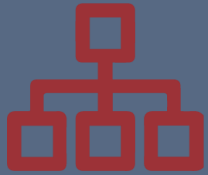


**Elementary School #15**  
**Design Advisory Committee – Meeting #5**  
**February 2nd, 2023**

Let's design...  
**Elementary School #15»**



# Agenda



## 1 Design Goals

Review design goals and keys to design

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## 2 Adjacency Diagram

Review spatial adjacencies.

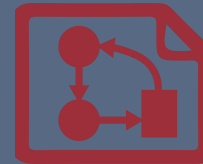
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## 3 Detailed Spaces

Review detailed items for all spaces

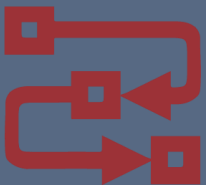
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## 4 Site Charrette

Explore site and building development.

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## 5 Next Steps

What comes next after the visioning process.



# Design Goals

Review design goals and keys to design.



2.0

## Design Goal: This elementary is a neighborhood school.

This school is an anchor to the community that includes design features that reflects the characteristics of the students and greater district while maintaining harmony within the surrounding neighborhood. The design will be sustainable, welcoming, multi-functional, multi-cultural and inclusive providing a sense of belonging for every student.

### Keys to Design:

- Design elements that create a sense of place and belonging
- Provide opportunities to connect with nature
- Building acts as an anchor and gathering space for the community
- Site reimagines aspirational circulation of vehicles, pedestrians/bikes, and buses (parking lots as multi-functional area)
- Site has a clear and welcoming access for students, staff, parents, and community, including a covered area for drop-off and pick-up
- Design embraces sustainable practices, durable materials, keeping maintenance top of mind
- Design considers operational staff and needs (custodians, food services, transportation, etc.)
- This project utilizes signage that supports the diverse school community
- The building is welcoming, warm, and inviting while having security and safety design parameters
- Consider innovative furniture for all occupants



2.0

## Design Goal: Provide a quality teaching and learning environment.

Elementary School #15 supports high quality instruction for every student, every day, in every classroom, and is safe, welcoming, flexible, collaborative, environmentally friendly, and accessible for the whole child.

### Keys to Design:

- Design should support the scale of all occupants and provides equitable access
- Provide smaller, safe spaces for students to feel comfortable and nurtured.
- Consider different teaching and learning styles throughout the building (for example but not limited to: mobility, acoustical, and scale)
- Nature-focused features
- Inspiring, accessible, and inclusive entrance.
- Collaborative spaces for kids to work together. Multipurpose, versatile, and flexible spaces for teaching and learning.
- Consider color and tactile interactions as part of the design.
- Accessible playground available to community
- The building design acts as a teaching tool
- Provide connection from cafeteria to the exterior with access for outdoor dining and proximity to garden
- Provides an environment conducive to learning – air quality, daylighting, visual connection to nature, safety and security
- Professional and supportive teaching environment that includes adequate room for movement, storage, and collaboration



2.0

## Design Goal: The design supports the educational goals of the school and the district.

This Elementary School supports students, families, staff, and the community, reaching outcomes of the Bellingham Promise through spaces that support quality instruction, learning, collaboration, communication.

### Keys to Design:

- Consider location of spaces that support collaboration
- Orientation of the classroom supports emotional safety
- Design of collaboration spaces allow for supervision and good sight lines
- Inclusive and easy to use technology
- Provide flexibility for multiple indoor and outdoor learning spaces
- The school supports flexible teaching and learning styles
- The school recognizes, strengthens, and celebrates diversity of all children
- The school supports the needs of the whole child and is inclusive of all children.



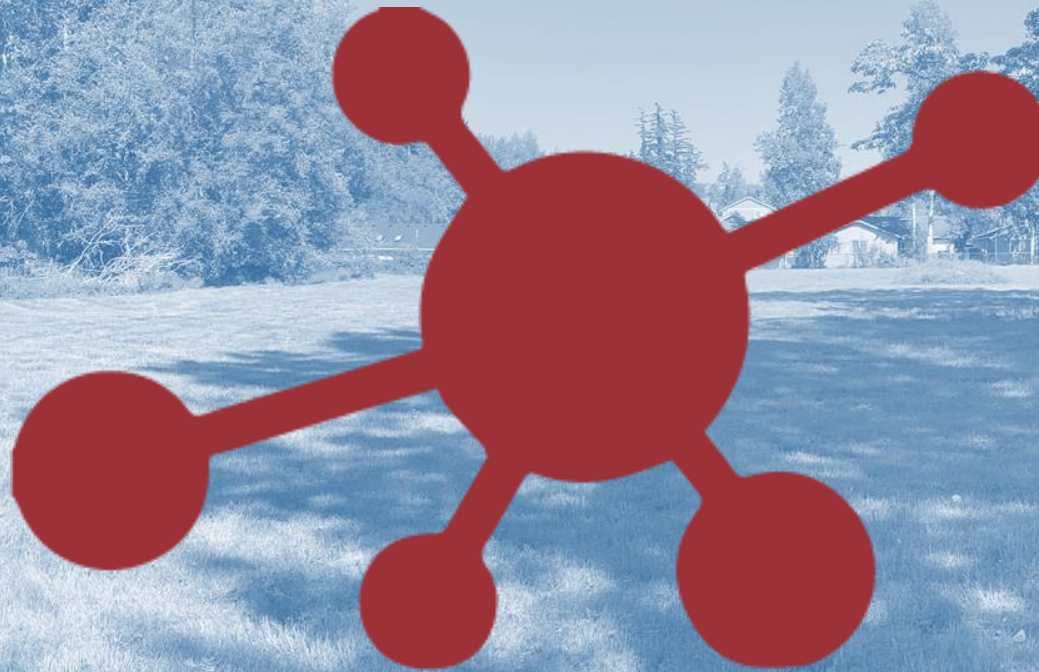
2.0

## Design Goal: The school supports collaborative learning and facilitates communication.

Elementary School #15 has flexible spaces that support collaborative learning, creativity, and communication for students and the community members. Our school is a place that celebrates engagement with students and families of diverse backgrounds.

### Keys to Design:

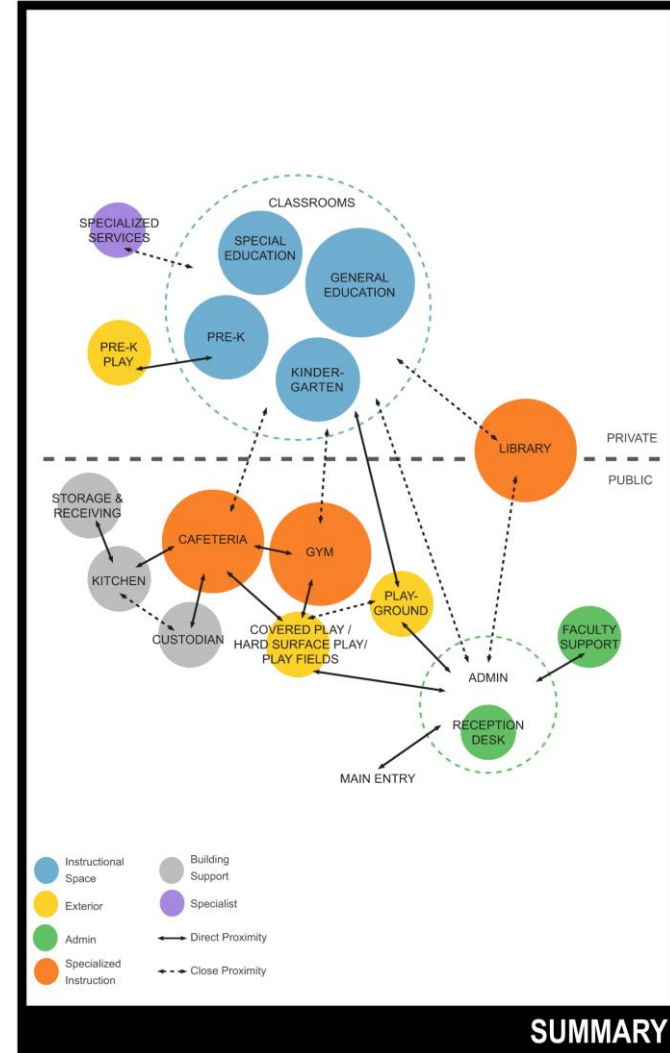
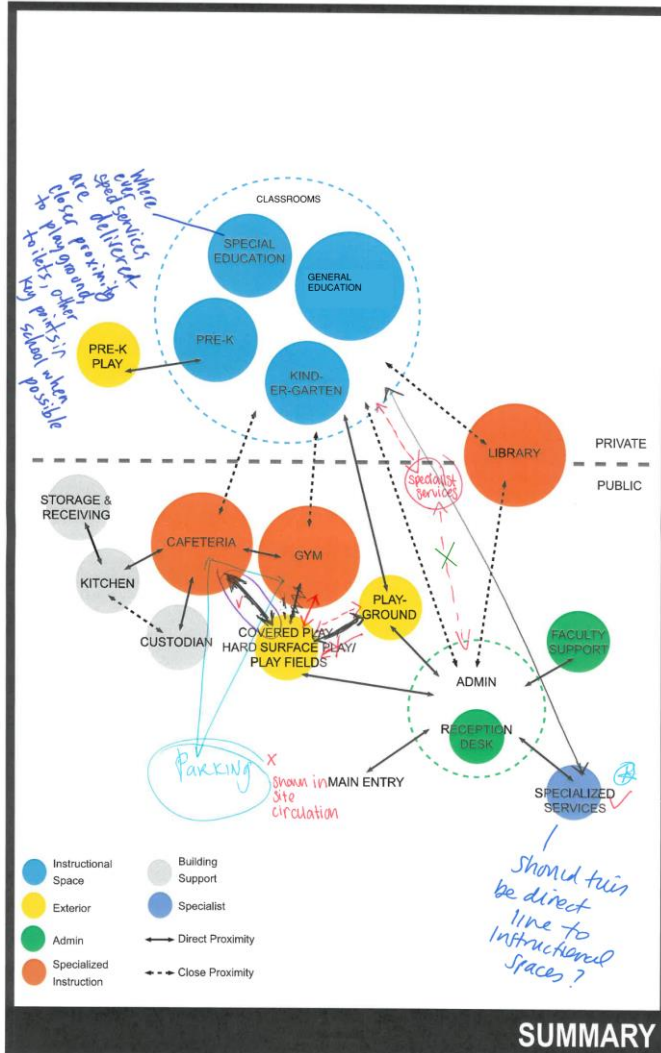
- **Flexible** collaborative spaces for small group learning in close proximity to classrooms
- Provide exterior safe and secure access for teaching and learning
- Provide space to gather and celebrate the community
- Families and community can easily navigate the building; welcome and acknowledge a diverse population of students
- Visible sustainability features
- Provide areas within the classroom, at extended learning spaces, and throughout the school that allow for small groups, large groups, and classroom circles



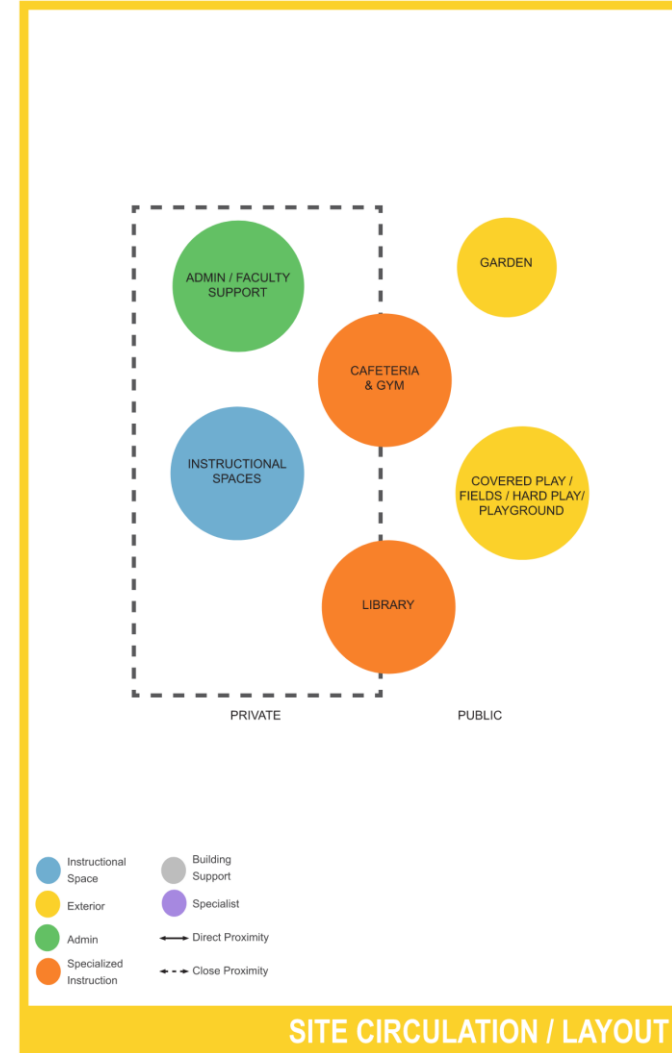
# Adjacency Diagrams

Review spatial adjacencies.

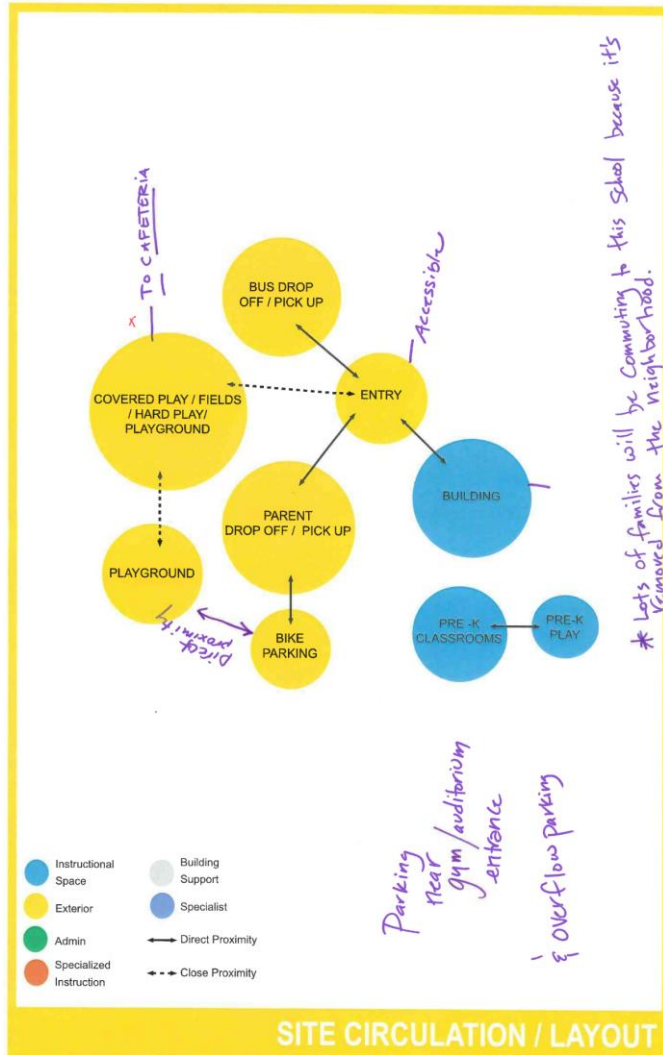
# Adjacency Diagrams



# Adjacency Diagrams



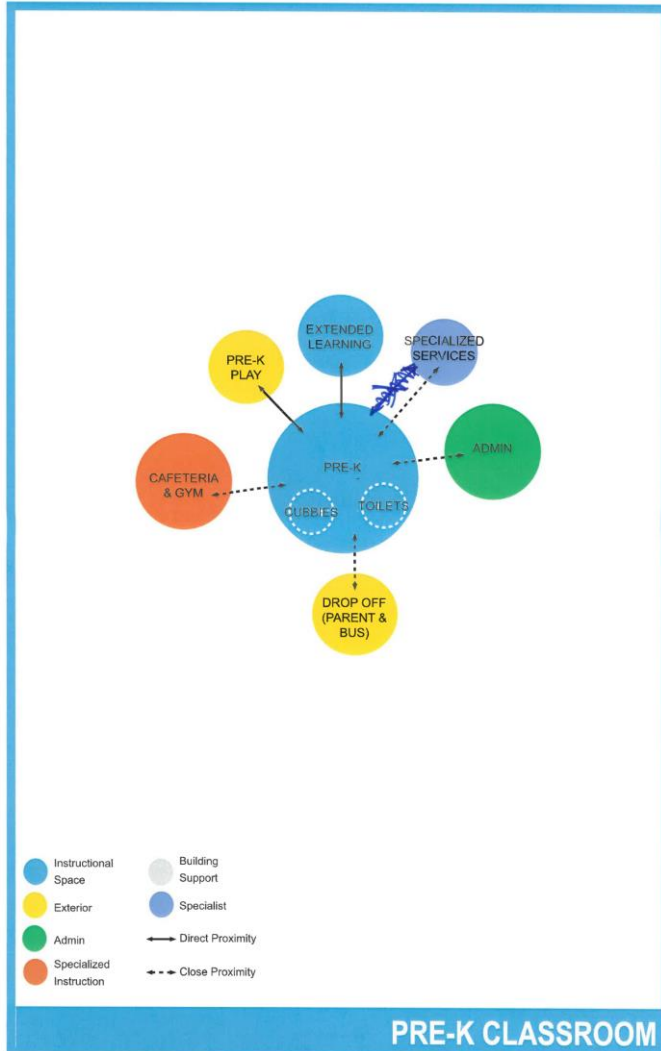
# Adjacency Diagrams



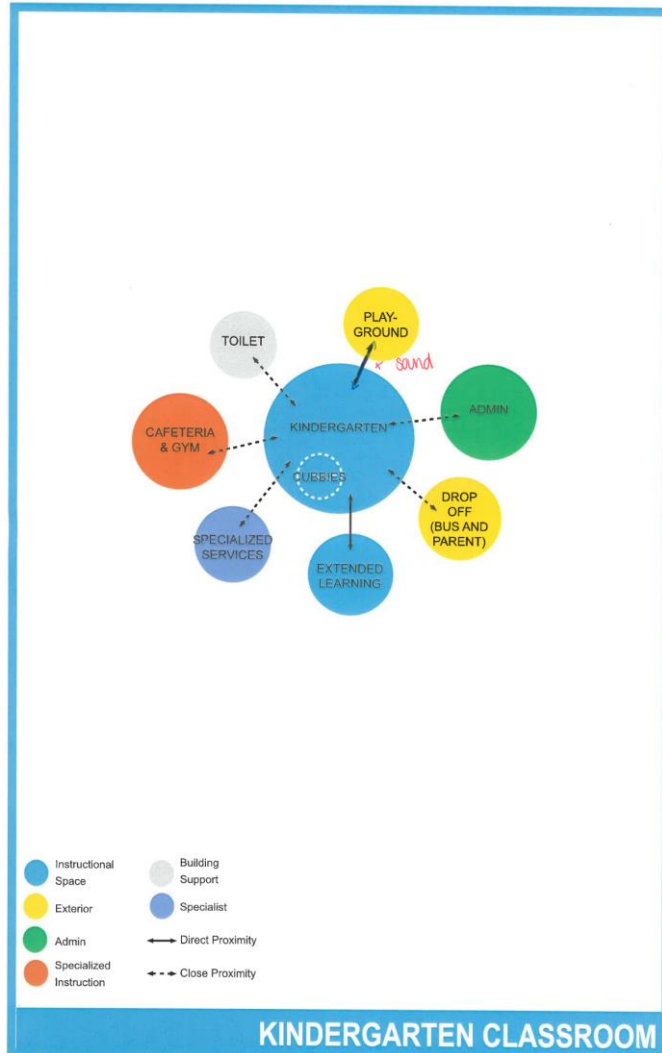
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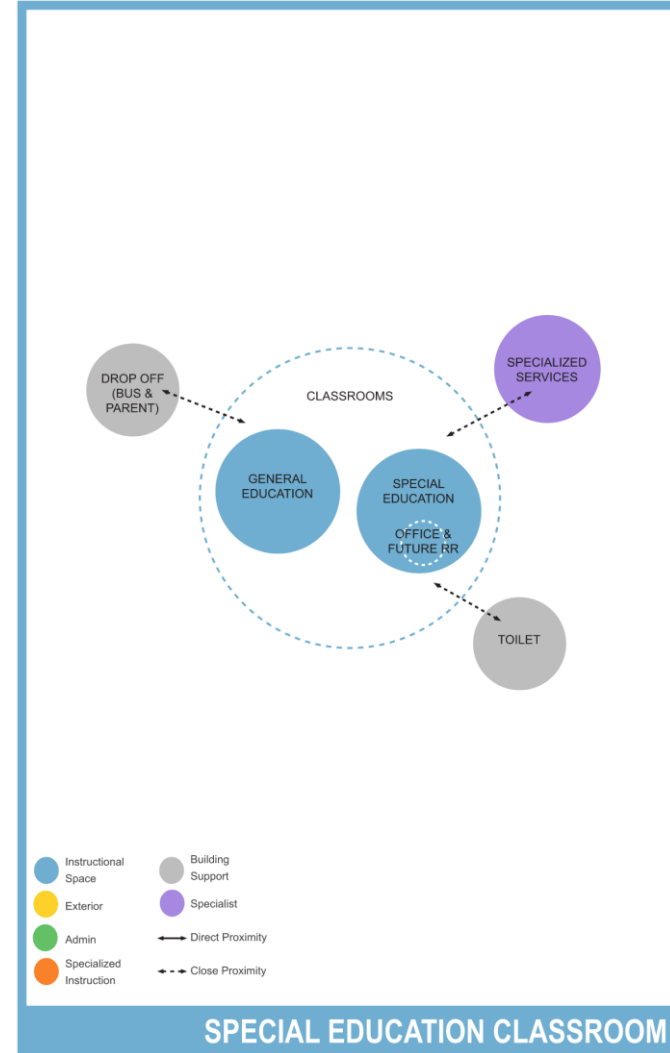
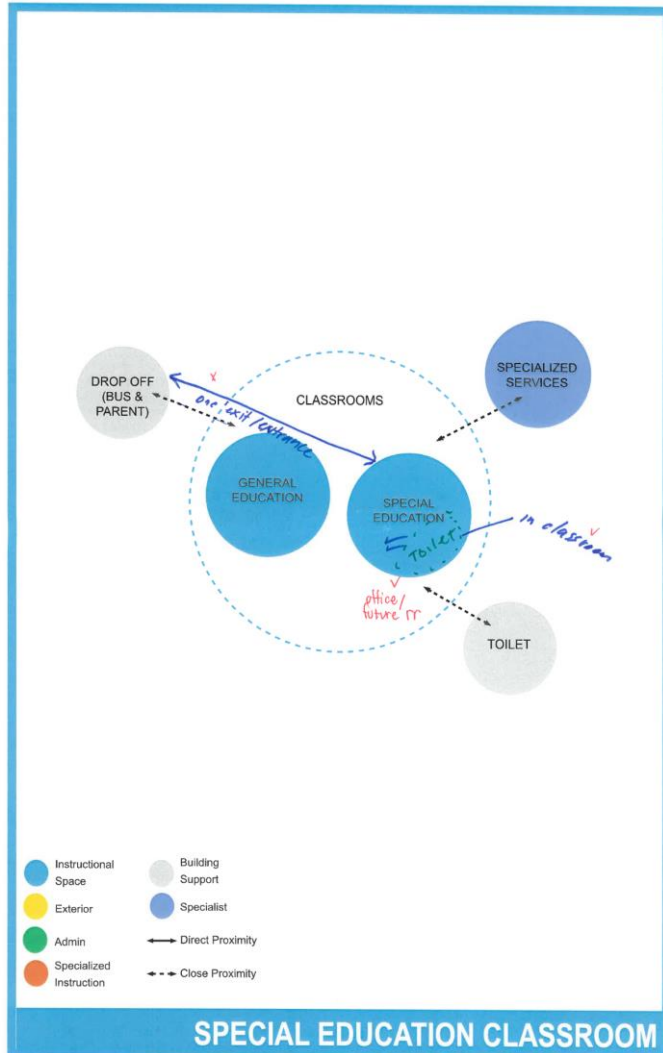
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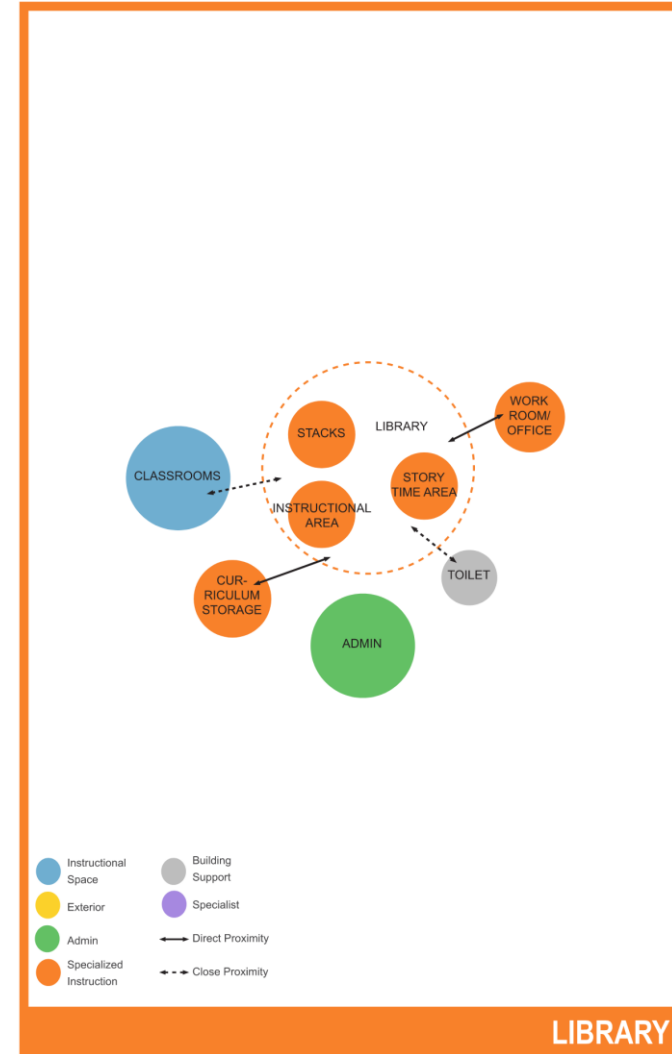
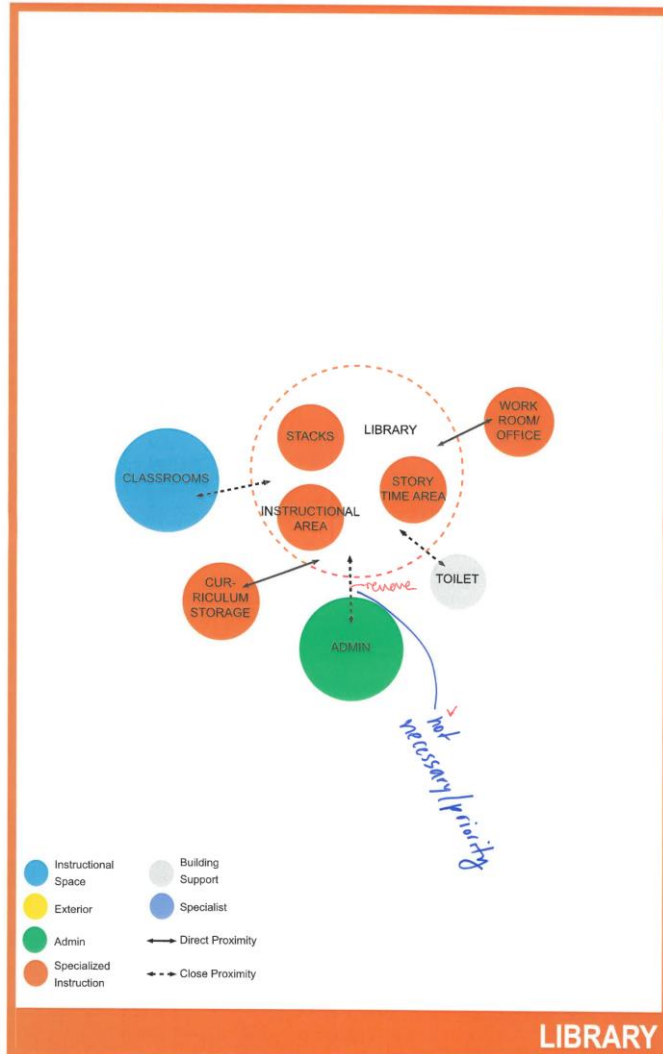
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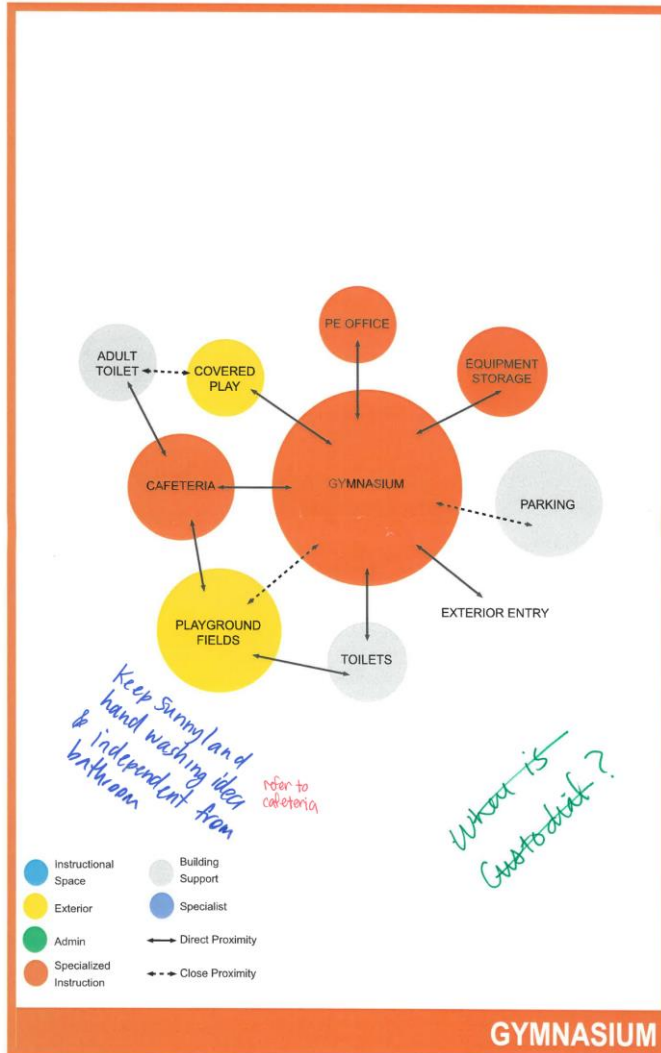
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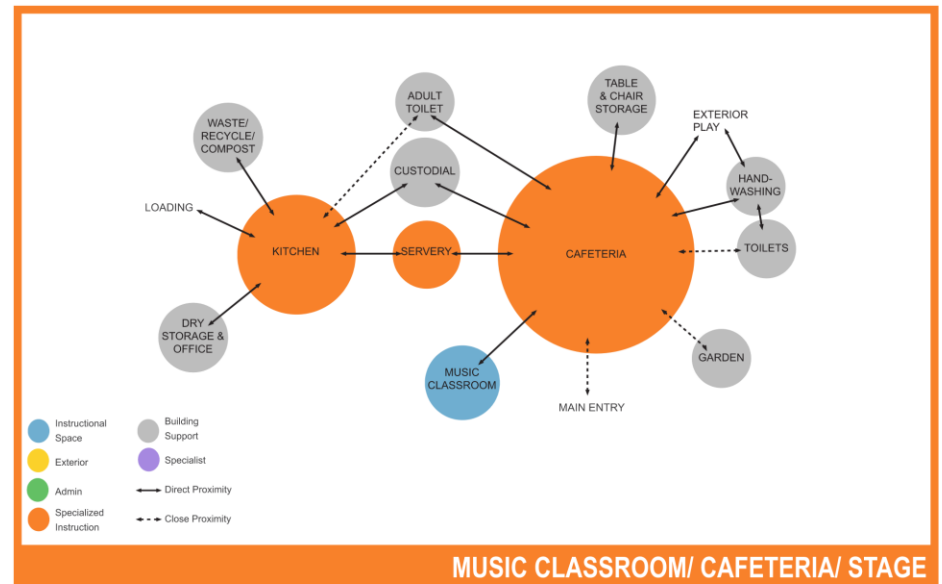
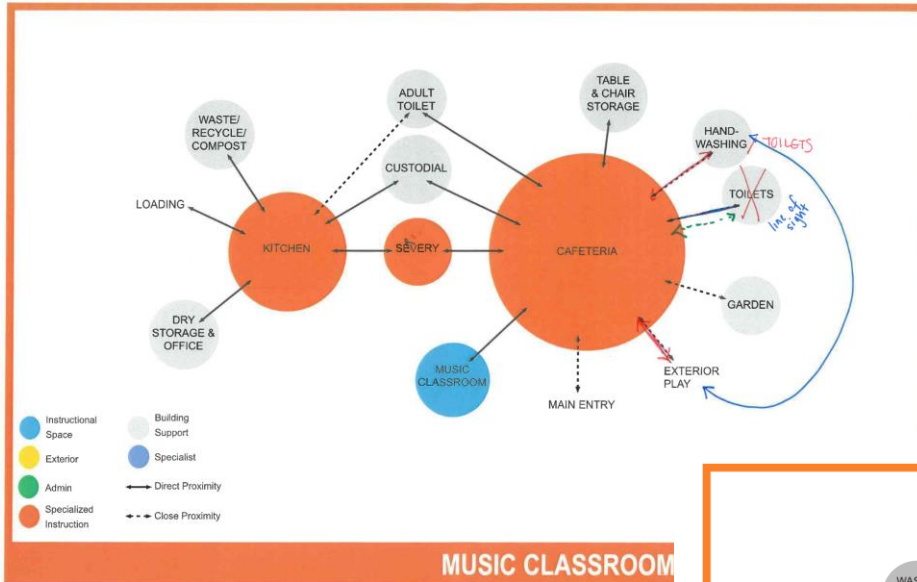
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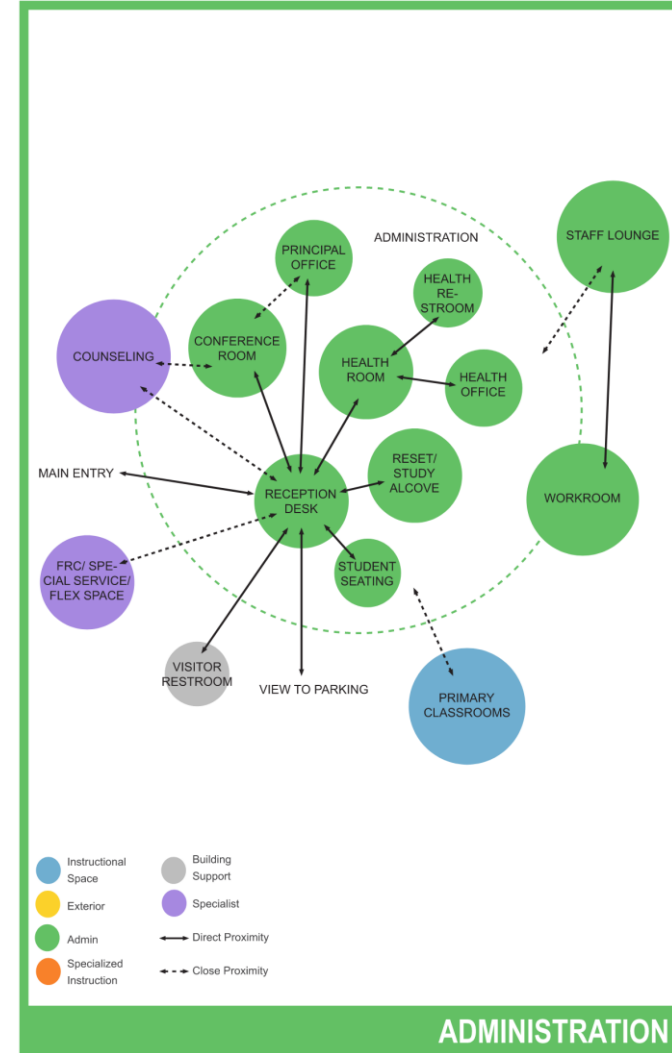
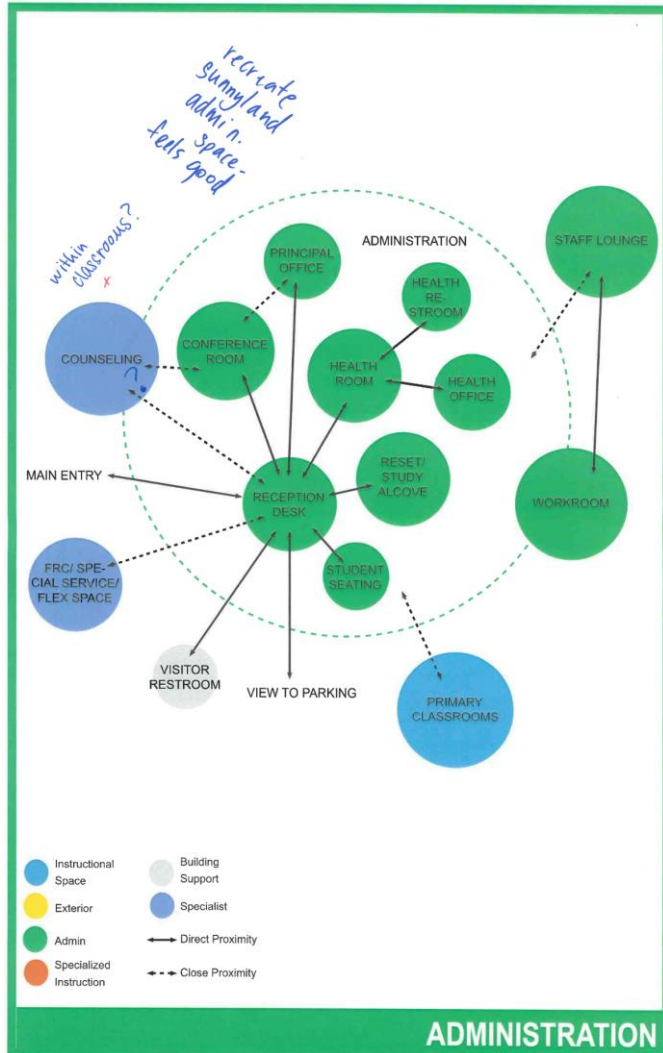
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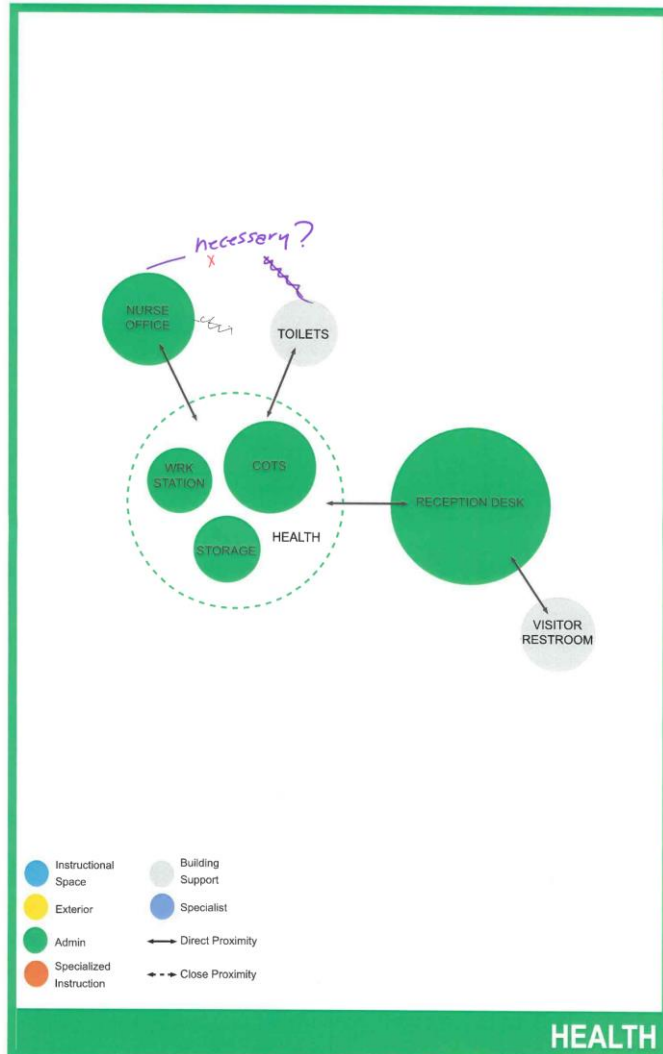
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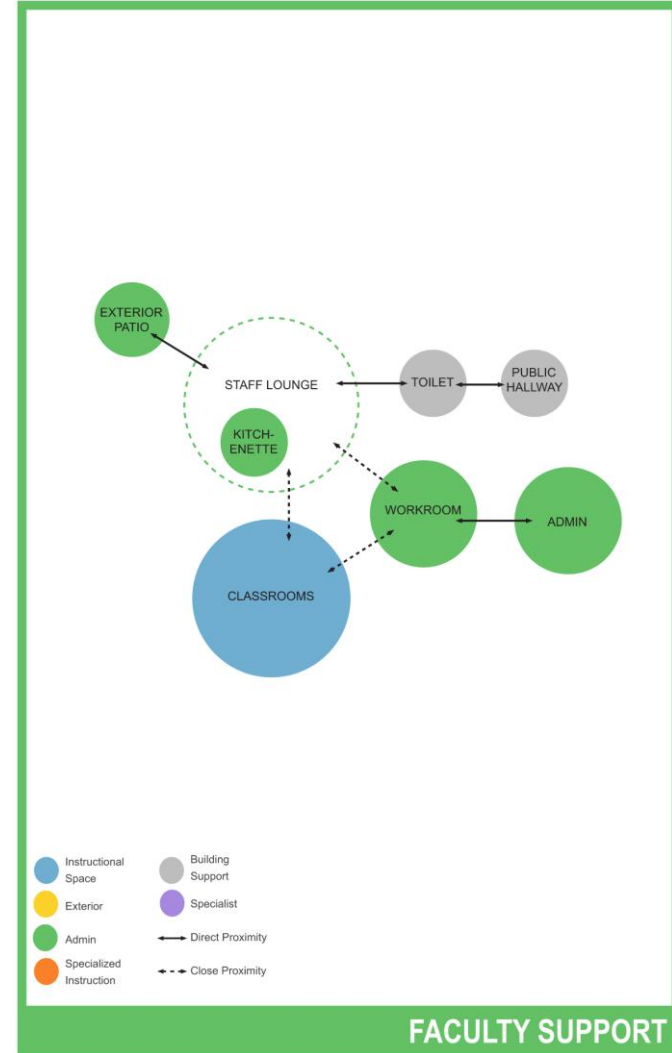
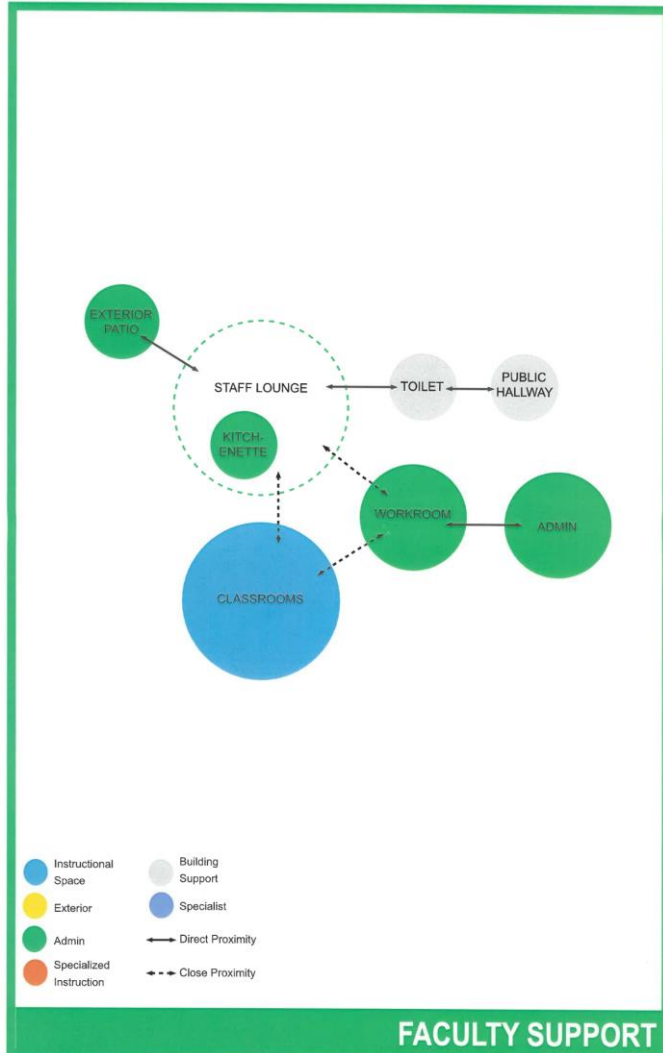
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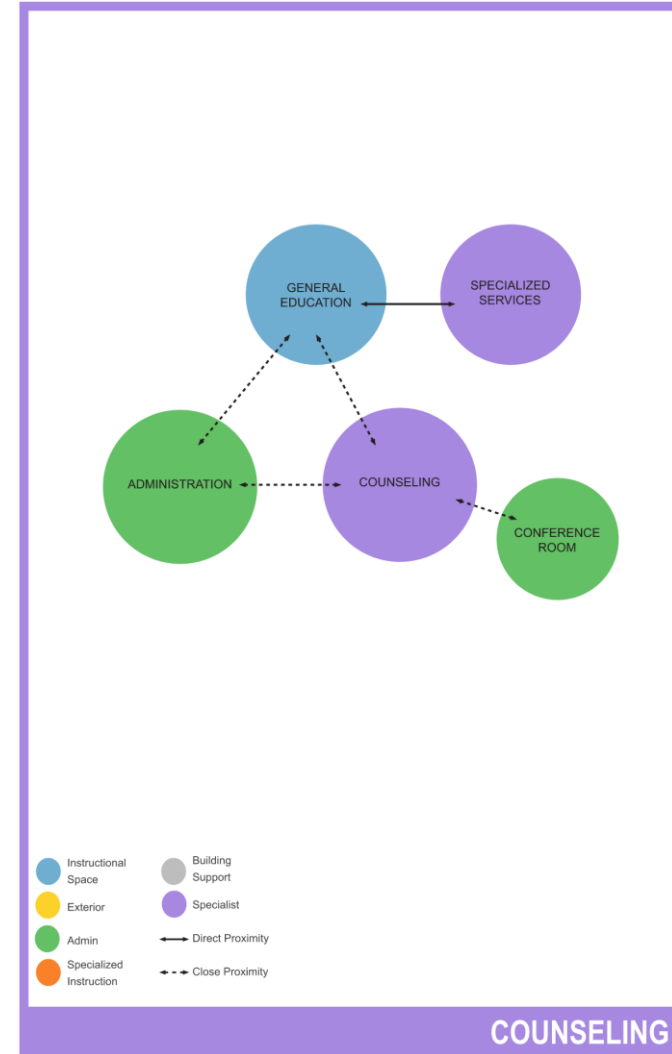
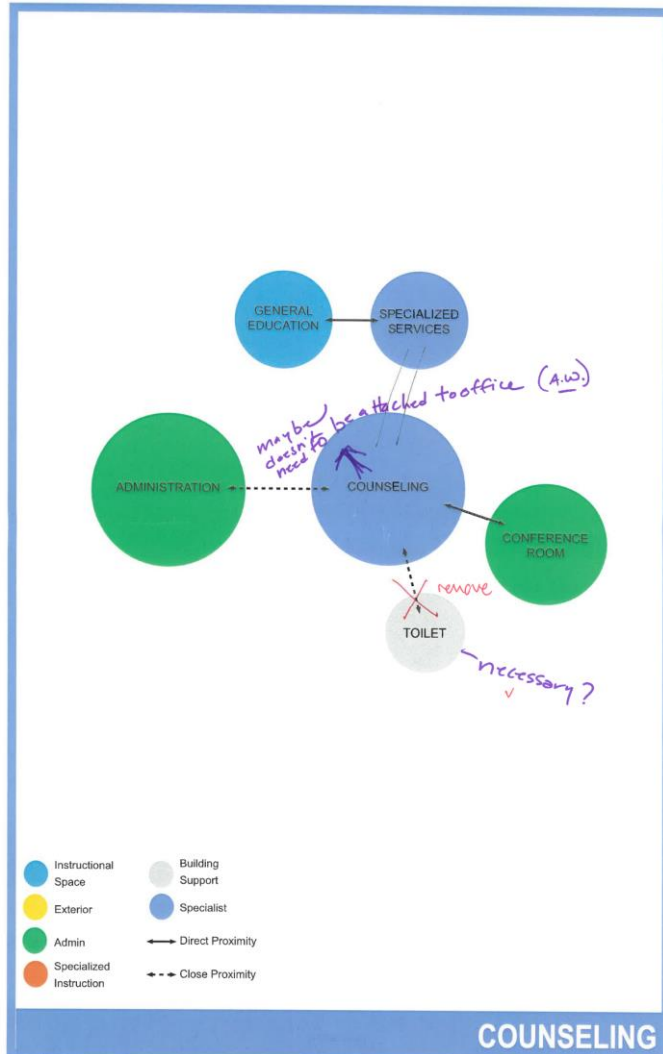
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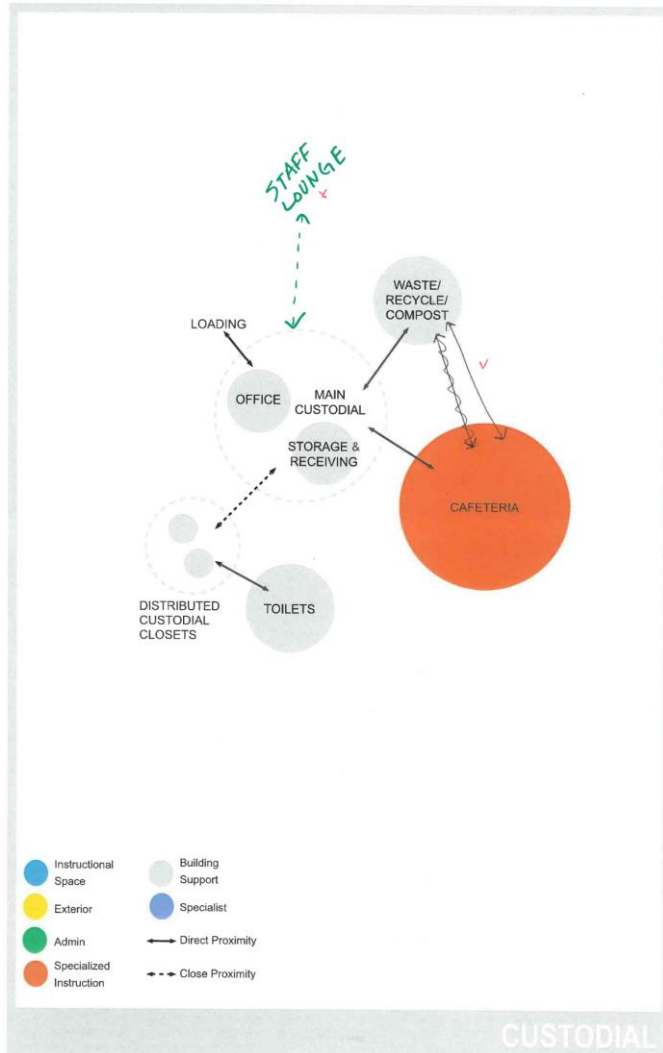
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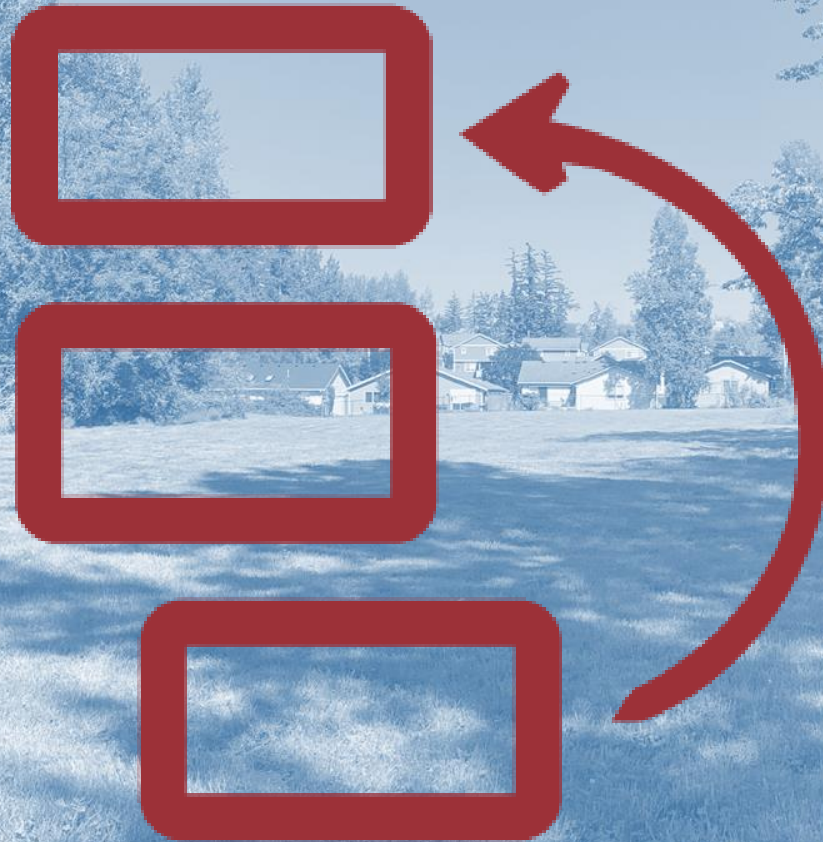


# Adjacency Diagrams



# Adjacency Diagrams





# Detailed Spaces

Review detailed items for all spaces.



# Parking/ Buses - Building Hardscape

### General Information

- Location for staff, visitor parking, parent drop off
- Bus drop off (separate from non-bus drop off)
- Outdoor eating area off Cafeteria (small area with picnic tables)
- Outdoor space should be welcoming
- Design should encourage walking
- Consider covered outdoor area for parent waiting
- 1 primary entrance to building

### Planned Usage

- Parking for staff and visitors
- Drop off and pick up for cars and buses but inclusive of main entry.
- Outdoor dining for students and separately for staff

### User Information

- Current use is 1 bus with design to accommodate future growth of 5 buses; space for 20 car drop-off zone; need 40 parking spaces minimum

### Proximity Requirements

- Separate bus and parent drop-off
- Emergency vehicle access to Health Room and playground
- Cafeteria

### Support Facilities

- None

### Intended Community or Adult Education use

- None

### Environmental Variables

<b>HVAC</b>	<ul style="list-style-type: none"> <li>• No special requirements</li> </ul>
<b>Lighting</b>	<ul style="list-style-type: none"> <li>• Lights on poles to comply with ADA requirements; shielded fixture to avoid light pollution</li> <li>• Lights need to be on the DDC with manual override</li> </ul>
<b>Acoustics</b>	<ul style="list-style-type: none"> <li>• No special requirements</li> </ul>

<b>Plumbing</b>	<ul style="list-style-type: none"> <li>• Hose bibbs around perimeter of the building</li> <li>• Yard hydrant at garden</li> </ul>
<b>Electrical</b>	<ul style="list-style-type: none"> <li>• No special requirements</li> </ul>
<b>Communication</b>	<ul style="list-style-type: none"> <li>• Intercom/ Speaker</li> </ul>

### Finishes

<b>Floors</b>	<ul style="list-style-type: none"> <li>• Asphalt in drive areas; concrete where required; concrete under and adjacent to dumpsters</li> </ul>
<b>Walls</b>	<ul style="list-style-type: none"> <li>• Provide durable surface minimum 4' above grade</li> </ul>

### Storage Requirements

- Covered, secured bike racks

### Display Requirements

- Electronic monument sign

### Furniture and Equipment (suggested)

- Benches/Seating at Main Entry (see "Entry" discussion) and parent drop-off
- Sturdy picnic tables for outdoor eating area

### Other Essential Information

- Appropriate signage for queuing at drop-off / pick-up



# Hardsurface Play/ Playfields/ Covered Play/ Outdoor Learning

### General Information

- Site is used by school all day and community after hours

### Planned Usage

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Basketball on hard surface</li> <li>• K-5 play apparatus on rubber tile</li> <li>• Pre-K play on turf</li> <li>• Large grass field, as big as possible</li> <li>• No field striping required</li> <li>• Swings</li> </ul> | <ul style="list-style-type: none"> <li>• Cinder jogging trail around field is desired</li> <li>• Outdoor classroom area if convenient</li> <li>• Soft play areas need to accommodate the owner furnished inclusive play equipment.</li> <li>• Basketball at covered play</li> </ul> |
|--|---|

### User Information

- Hard surface/ covered play will have up to 450 students using it before school
- Typical use is 1/2 school at a time (225 kids); 2 recess periods- size for this use.

### Proximity Requirements

- Covered play close to bus drop or parent drop - to be used for waiting
- Access to gym and cafeteria toilets is desirable
- Hard surface play - away from classrooms
- Fields, hard/soft play - located for easy supervision
- Keep bus zone and play separate (safety-adjacent ok)
- Line of sight across play fields and covered play

### Support Facilities

- None

### Intended Community or Adult Education use

- None

### Environmental Variables

<b>HVAC</b>	• None
<b>Lighting</b>	• Play areas are not lighted. Building security lighting only • Provide lighting at covered play
<b>Acoustics</b>	• No special requirements
<b>Plumbing</b>	• None
<b>Electrical</b>	• None
<b>Communication</b>	• Intercom/ Speaker

### Finishes

Consider pervious asphalt in non-drive areas

### Storage Requirements

- None

### Display Requirements

- None

### Furniture and Equipment (suggested)

- 2-4 basketball backstops at covered play
- 4-6 4 square courts
- Developmentally appropriate play apparatus
- 6 swings
- Running lines
- Hopscotch striping

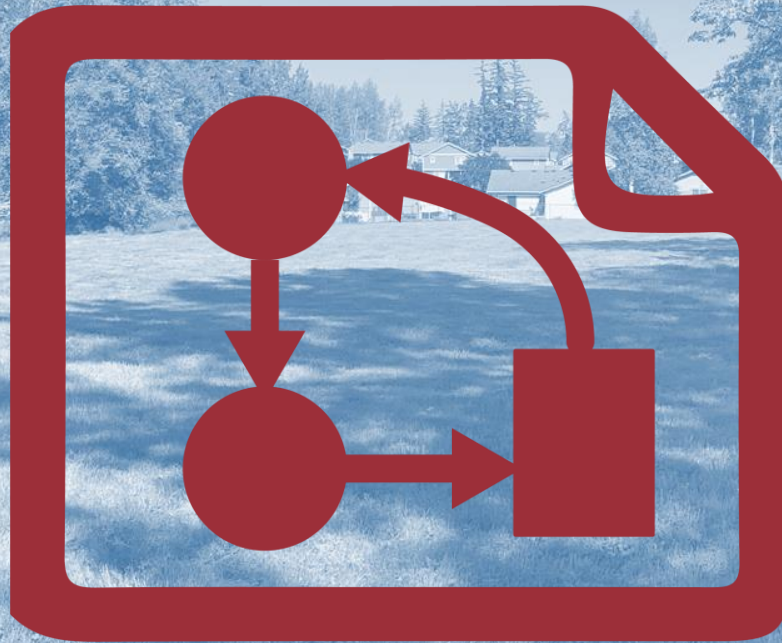
### Other Essential Information

- Covered play should be as open and visible as possible
- Want grade level markings to show where kids line up for fire drills
- Storage room for play equipment
- Implement the frame work for crime prevention through environmental design.



# Let's take a break

We'll reconvene in 10 minutes.



# Site Charette

Explore site and building development.

# Site Charette



## Elementary School #15

### Basic Guidelines:

- Utilize all building and site blocks in your layout
- All blocks must be within property lines and outside of wetlands
- Feel free to cut any of the blocks
- The classroom, gym, cafeteria, and covered play are two story structures
- Site access is off of Cougar Rd and Aletha Ln
- Use the pipe cleaners to show exterior circulation paths such as:
  - o Vehicular
  - o Pedestrian
  - o Bike
- Use the colored dots or pipe cleaners to show outdoor learning opportunities such as trails, outdoor classrooms, etc. (trails can be within the wetlands)

- Sustainability should be featured in the design. Consider elements such as connection to nature, sun path, daylight, and storm water. What are some other sustainable elements that you would like to see?

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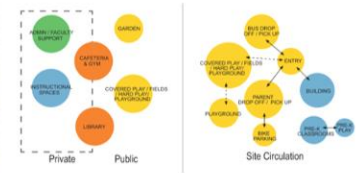
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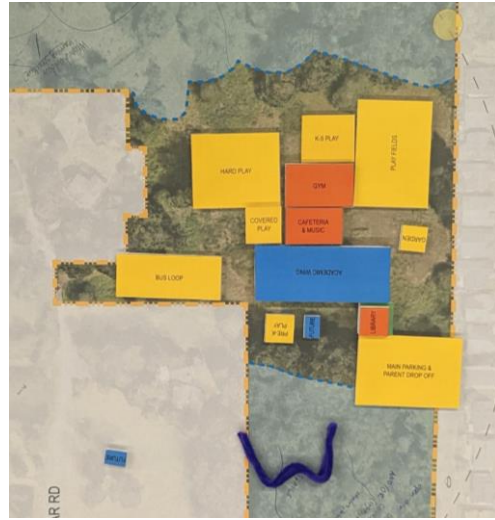
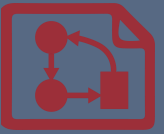


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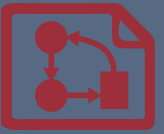


- Property Line
- Wetlands
- Sun Path
- North
- 50'  
1" = 50'-0"

# Site Charette



# Site Charette – Scheme 1



Car access off Cougar Rd.  
Bus access off Aletha



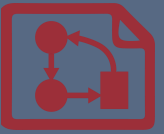
Covered play does not have a relationship with hard play











## **Scheme 1 Characteristics:**

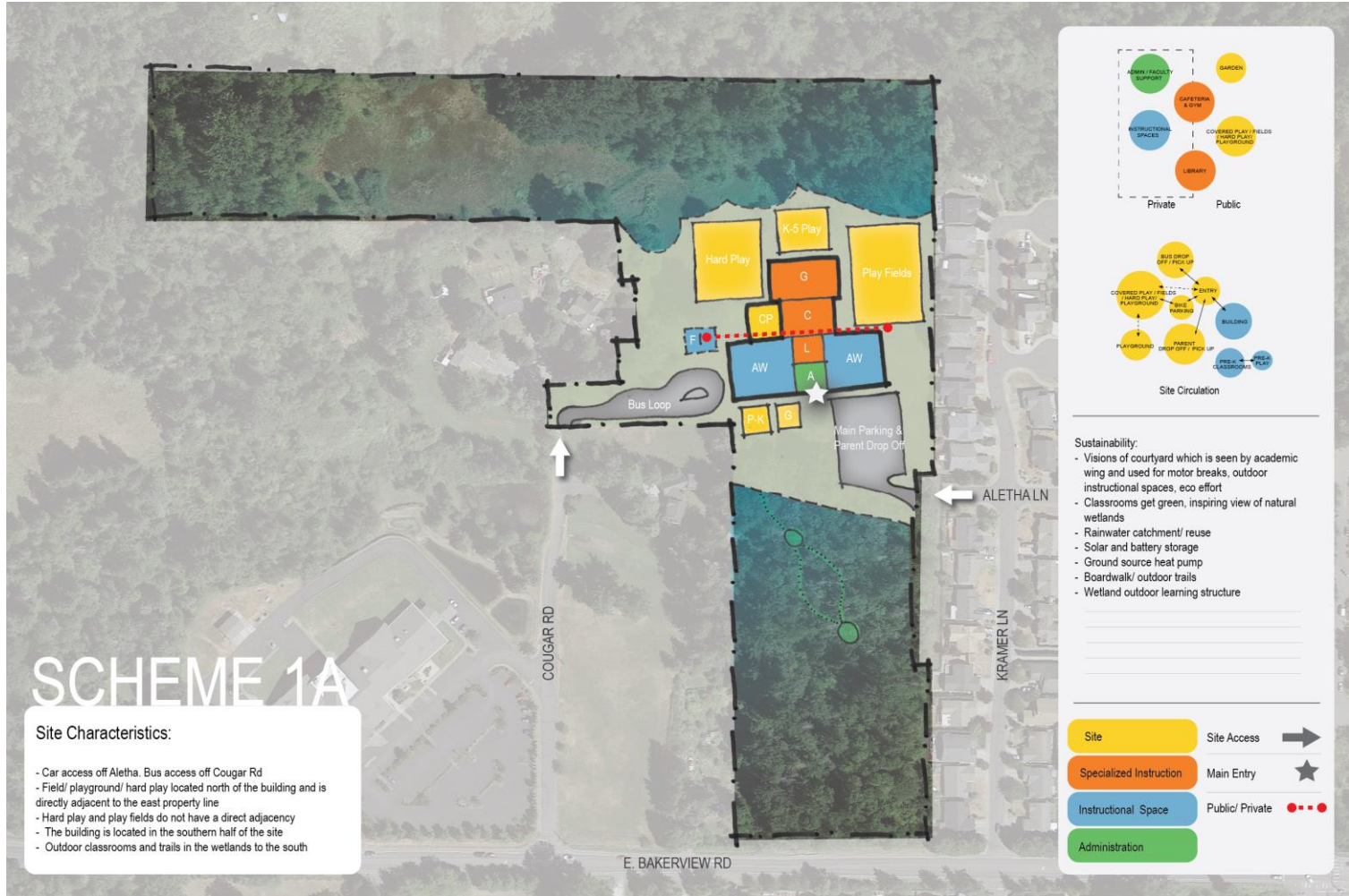
- Car access off Aletha. Bus access off Cougar Rd
- Field/ playground/ hard play located north of the building and is directly adjacent to the east property line
- Hard play and play fields do not have a direct adjacency
- The building is located on the southern half of the site

# Site Charette – Scheme 1A



- |   |                         |   |                  |
|---|-------------------------|---|------------------|
|  | Instructional Space     |  | Building Support |
|  | Exterior                |  | Specialist       |
|  | Admin                   |  | Direct Proximity |
|  | Specialized Instruction |  | Close Proximity  |

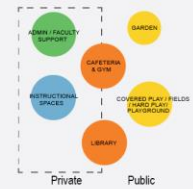
# Site Charette – Scheme 1A



## SCHEME 1A

### Site Characteristics:

- Car access off Aletha, Bus access off Cougar Rd
- Field/playground/ hard play located north of the building and is directly adjacent to the east property line
- Hard play and play fields do not have a direct adjacency
- The building is located in the southern half of the site
- Outdoor classrooms and trails in the wetlands to the south



- ### Sustainability:
- Visions of courtyard which is seen by academic wing and used for motor breaks, outdoor instructional spaces, eco effort
  - Classrooms get green, inspiring view of natural wetlands
  - Rainwater catchment/ reuse
  - Solar and battery storage
  - Ground source heat pump
  - Boardwalk/ outdoor trails
  - Wetland outdoor learning structure



# Site Charette – Scheme 1B



- Instructional Space
- Exterior
- Admin
- Specialized Instruction
- Building Support
- Specialist
- Direct Proximity
- - - Close Proximity

# Site Charette – Scheme 1B



## SCHEME 1B

- Site Characteristics:**
- Car access off Aletha. Bus access off Cougar Rd
  - Field/ playground/ hard play located on the west side of the site
  - Hard play and play fields have a direct adjacency
  - The building is located in the southern half of the site
  - Public spaces adjacent to east property line
  - Outdoor classrooms and trails in the wetlands to the north

Private

- ADMIN FACILITY SUPPORT
- INSTRUCTIONAL SPACES
- CAFE/TERA & CUP
- LIBRARY

Public

- GARDEN
- COVERED PLAY FIELDS
- HARD PLAY PLAYGROUND

Site Circulation

---

**Sustainability:**

- Visions of courtyard which is seen by academic wing and used for motor breaks, outdoor instructional spaces, eco effort
- Classrooms get green, inspiring view of natural wetlands
- Rainwater catchment/ reuse
- Solar and battery storage
- Ground source heat pump
- Boardwalk/ outdoor trails
- Wetland outdoor learning structure

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- Site
- Specialized Instruction
- Instructional Space
- Administration

- Site Access →
- Main Entry ★
- Public/ Private ●●●

# Site Charette – Scheme 2











## **Scheme 2 Characteristics:**

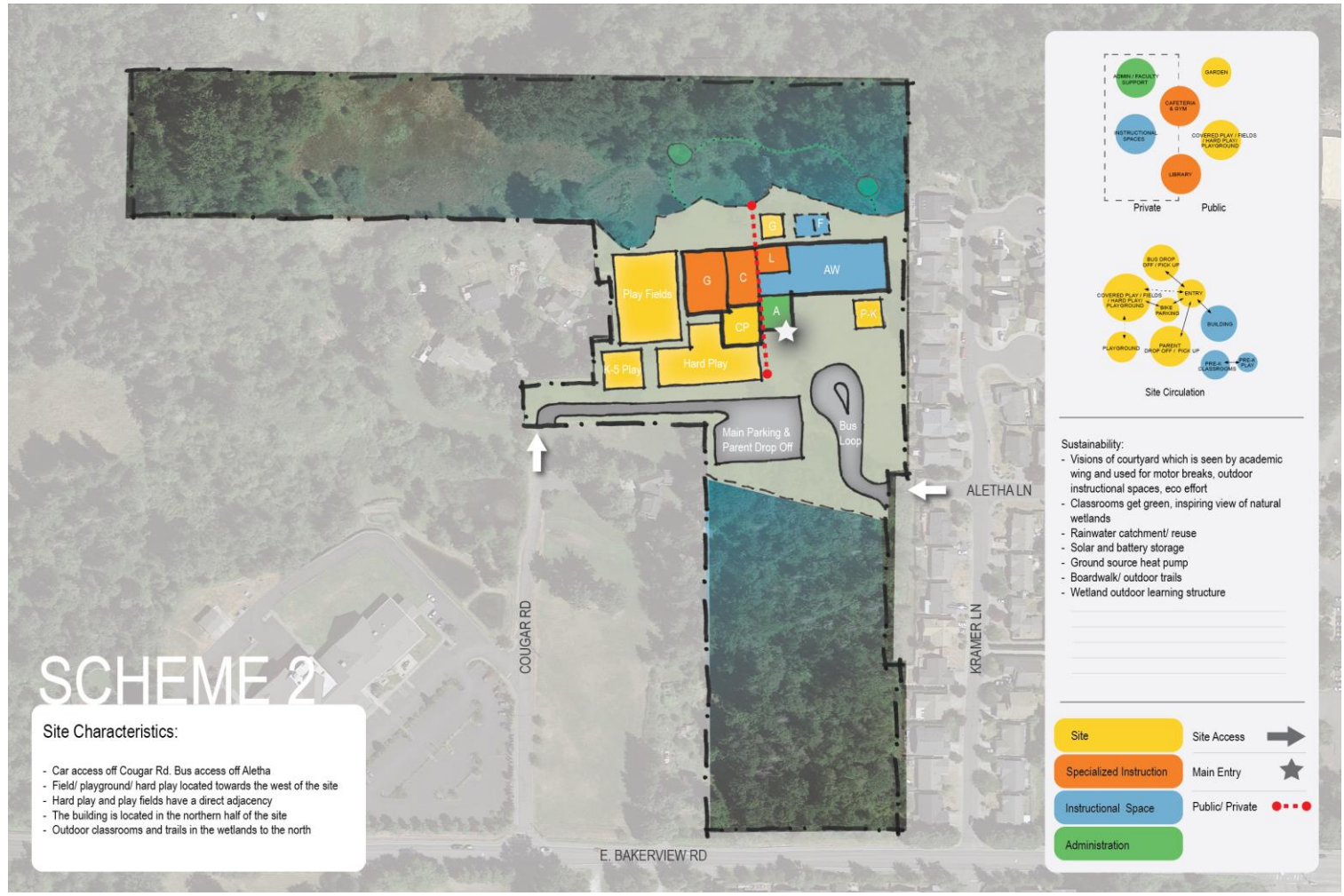
- Car access off Cougar Rd. Bus access off Aletha
- Field/ playground/ hard play located towards the west of the site
- Hard play and play fields have a direct adjacency
- The building is located in the northern half of the site

# Site Charette – Scheme 2



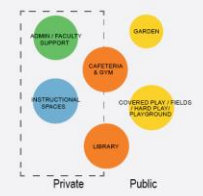
- |   |                         |   |                  |
|---|-------------------------|---|------------------|
|  | Instructional Space     |  | Building Support |
|  | Exterior                |  | Specialist       |
|  | Admin                   |  | Direct Proximity |
|  | Specialized Instruction |  | Close Proximity  |

# Site Charette – Scheme 2



## SCHEME 2

- Site Characteristics:**
- Car access off Cougar Rd. Bus access off Aletha
  - Field/ playground/ hard play located towards the west of the site
  - Hard play and play fields have a direct adjacency
  - The building is located in the northern half of the site
  - Outdoor classrooms and trails in the wetlands to the north



- Sustainability:**
- Visions of courtyard which is seen by academic wing and used for motor breaks, outdoor instructional spaces, eco effort
  - Classrooms get green, inspiring view of natural wetlands
  - Rainwater catchment/ reuse
  - Solar and battery storage
  - Ground source heat pump
  - Boardwalk/ outdoor trails
  - Wetland outdoor learning structure





# Next Steps

What are our next steps.

A blue-tinted photograph of a grassy field. In the background, there are several houses and a dense line of trees. The text is overlaid on the lower half of the image.

**Next Meeting» March 2<sup>nd</sup> at  
the District Office  
Thank you!**