



Memorial Drive Elementary

Project Advisory Team
Meeting #4
March 29, 2022

MEMORIAL DRIVE
NATIONAL EXEMPLARY SCHOOL





Introductions

SPRING BRANCH ISD

Thayer Hutcheson

Memorial Drive Elementary, Principal

Travis Stanford

Associate Superintendent for Operations

Max Buja

Planning & Construction, Director

David Valerius

Planning & Construction, Project Manager

Noel Moreno

Planning & Construction, Project Manager

STANTEC ARCHITECTURE

Jennifer Henrikson

Architect - Principal

Tracy Eich

Architect - Senior Design Principal

Gary Dunn

Architect - Senior Project Manager

Gin Kappler-Peeler

Architect - Senior Project Manager

Gretchen Diesel

Interior Designer - Senior Interior Designer



Agenda

1. **PAT Process:** Project/Process Status Update

2. **PAT Mtg #3: Recap Summary**

Program Summary

Design Guiding Principles

Building Layout Options

3 **PAT Mtg #4: Schematic Design Progress**

Site Plan Overview

Floor Plan Overview

Building Massing Development

4. **PAT Mtg #4: Engagement Activity**

Exterior Architectural Expression

5. **Next Steps:** What's Happening Next

Item

1

PAT PROCESS OVERVIEW Project / Process Status Update





New Memorial Drive Elementary School – Project Scope

- **Replacement of Memorial Drive Elementary School** with new building and site elements
- **Approx. 88,000 SF** building per SBISD Educational Specifications
- **Off Site Transition:** Campus will relocate to South Transition Campus from January 2023 thru May 2024
- **18-20 months** total construction period
- **August 2024 = New MDE opens**



PAT Engagement – Project Advisory Team (PAT) Charge

OVERVIEW

A Project Advisory Team (PAT) will be chartered for the planning of a replacement for **Memorial Drive Elementary School** under the school's project in the 2017 Bond Program.

CHARGE

The PAT will work collaboratively and cooperatively with the architect and SBISD Project Manager **to conceptualize, develop and refine the project's goals and design.**

The PAT will advise on recommendations regarding the interior and exterior appearance of the replacement of Memorial Drive Elementary School.

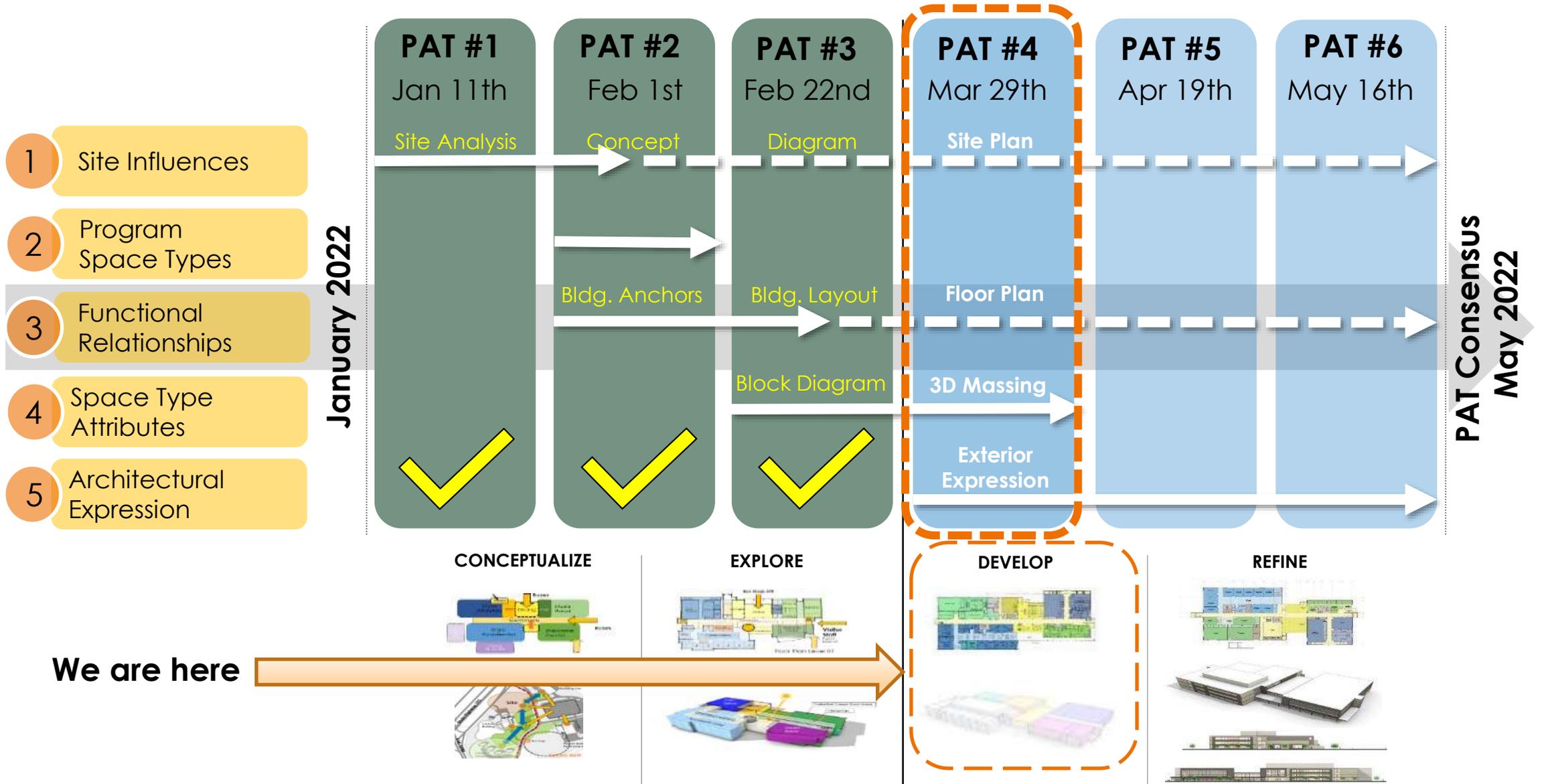
The PAT will reach a proposed recommendation through consensus.

These recommendations will be presented to the Superintendent + Board of Trustees for approval.
The Board of Trustees may act upon the recommendations developed with PAT input by approving, amending, altering or not approving all or any part of the recommendations.

Areas of focus from which the PAT should refrain include recommendations regarding school programs, policies and procedures, boundaries of district facilities, instructional arrangements and/or educational pedagogy decided upon and/or subject to District, State and Federal laws.



PAT Engagement – Process Overview | Status Update



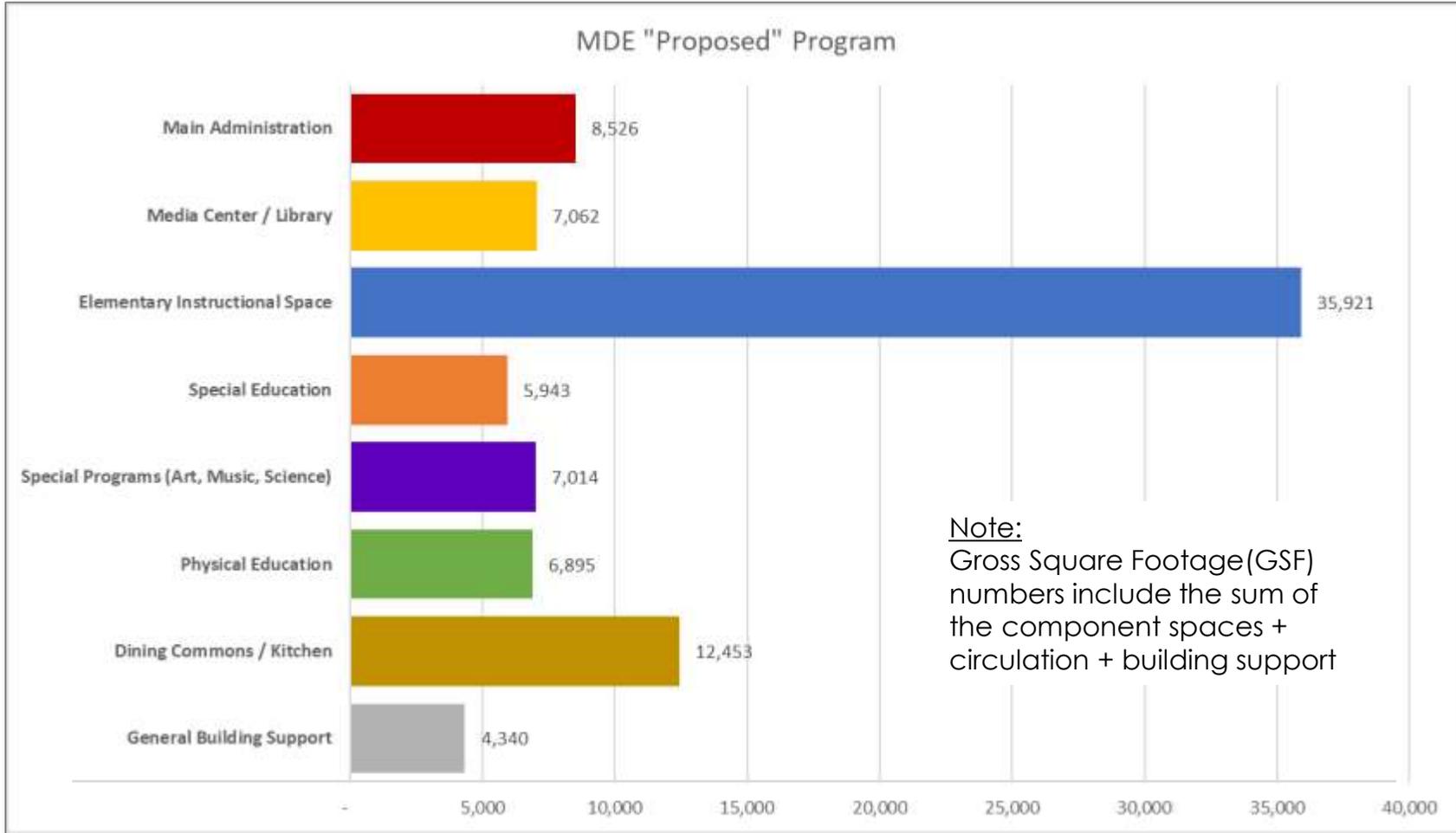
Item 2

PAT MEETING #3 - RECAP





PAT Mtg#3 Information: "Proposed" Building Program Overview



Total Building Square Footage
88,155 GSF

Future Target Capacity
550 Students

Grade Level Classrooms
24 Classrooms (PK/K – 5th)

- 24 Classrooms**
- 4** = PK/Kinder
 - 4** = 1st grade
 - 4** = 2nd grade
 - 4** = 3rd grade
 - 4** = 4th grade
 - 4** = 5th grade

Special Education Classrooms
Instructional Support Staff



PAT Mtg#3 Engagement: MDE Guiding Principles Confirmation

PAT = UNANIMOUS APPROVAL

MDE DESIGN - GUIDING PRINCIPLES

Engage the Intimate Natural Setting

Maintain the small neighborhood school character that engages the natural setting with views and access to outdoor areas.

Celebrate our MDE Community

Support and promote a caring close-knit family environment that fosters connection among students, staff, and parents during and after school.

Perpetuate Our Traditions

Keep the qualities of tradition, community and family in the new design with active hands-on teaching and learning spaces indoor and outdoor.

Demonstrate Our Values

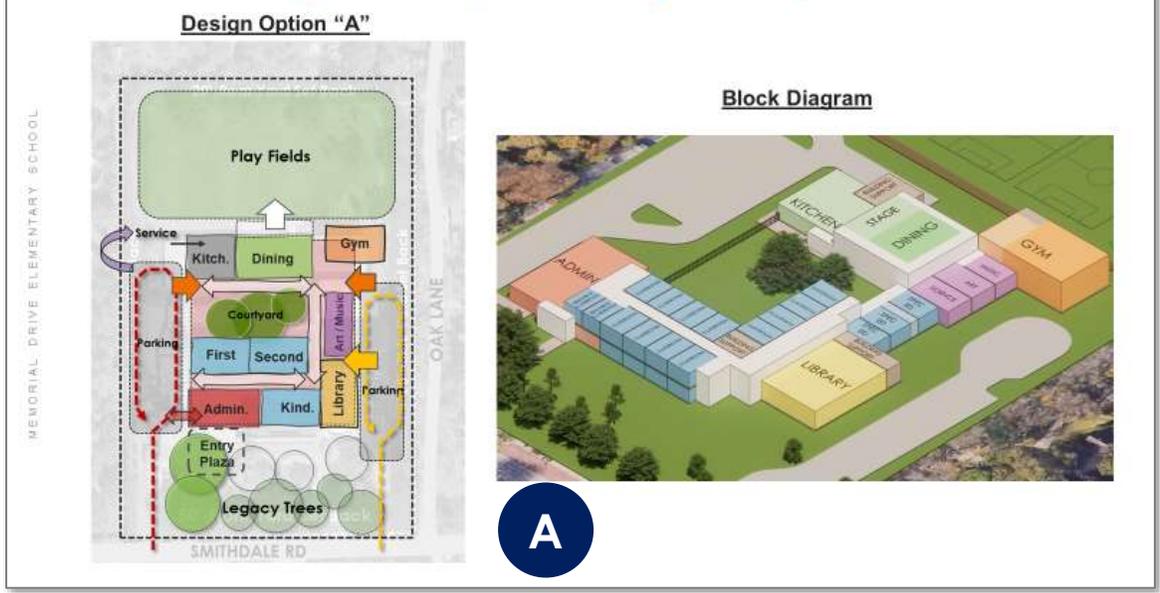
Focus on building student character and promoting the development of the individual as a future citizen.



PAT Mtg#3 Engagement: Explore Building Organization Concepts

MEMORIAL DRIVE ELEMENTARY SCHOOL

PAT Mtg#3: Organization / Block Diagram – Option A

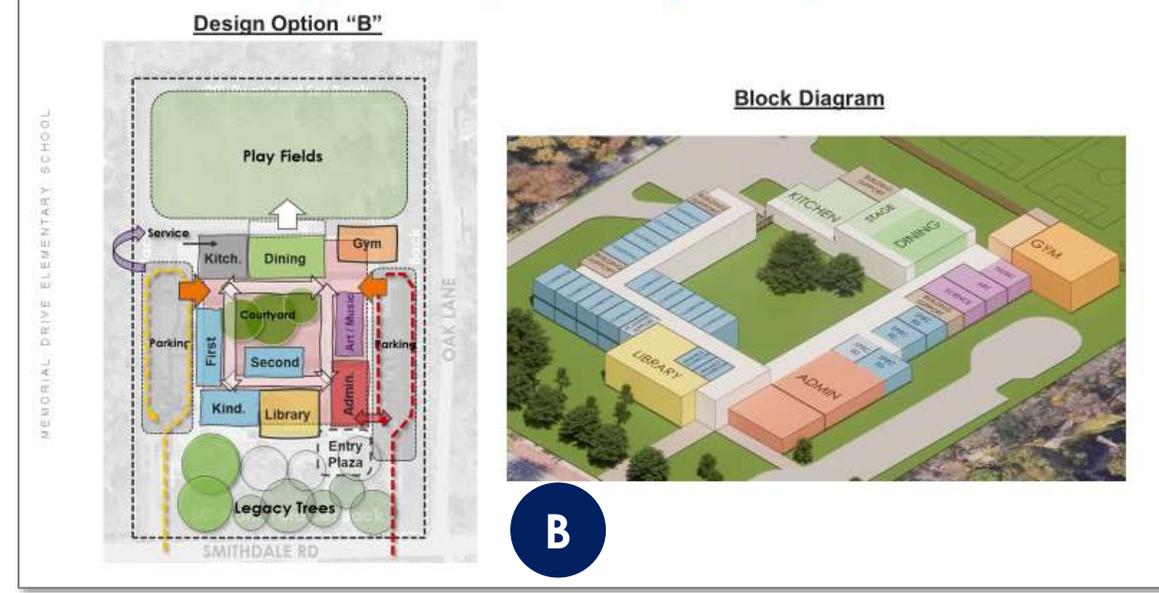


Parent Drop-off (Short Queuing)
Bus Loop + Drop-off

Gym (Renovate Existing Gym)
Administration
Library (Renovate Existing Library)
Dining Commons

Learning Communities
Building Circulation
Specials (Art, Music, Science)
Event Access

PAT Mtg#3: Organization / Block Diagram – Option B



Parent Drop Off (Extended Queuing)
Bus Loop + Drop-off

Gym (Renovate Existing Gym)
Administration (Repurpose Library)
Library (Adjacent to Entry Plaza)
Dining Commons

Learning Communities
Building Circulation
Specials (Art, Music, Science)
Event Access

Traffic Flow Patterns

Building Anchors

Functional Relationships / Adjacencies



PAT Mtg#3 Engagement: **Result = Select Preferred Concept**

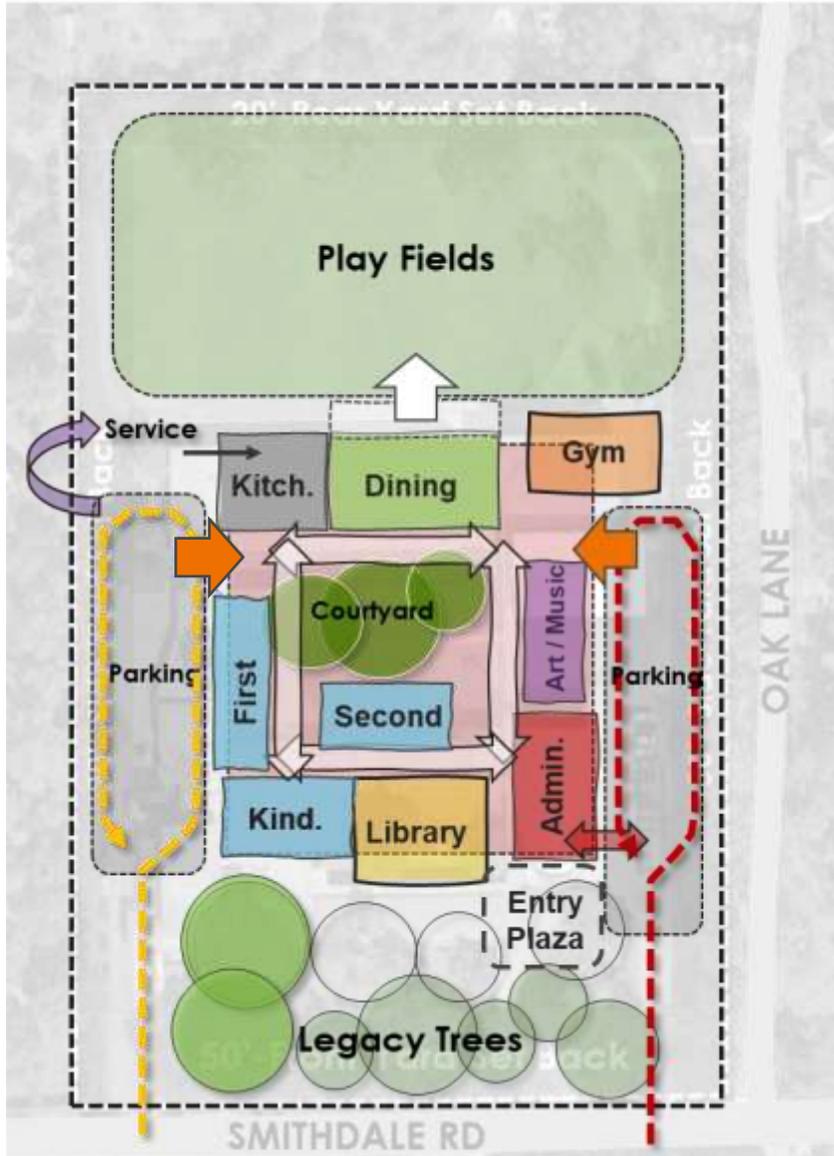
PAT UNANIMOUS CHOICE = Option "B"

<p>PAT Mtg#3:</p> <p>PAT Input</p> <p>Functional Relationships</p> <p>Engagement Activity: 10 min Table Consensus Select Preferred Option 20 min Report Out</p> <p>Evaluation Criteria</p>	<p>Design Option "A"</p> 	<p>Design Option "B"</p> 
<p>Administration <i>Front Door / Community Presence</i></p>	<p>Front Door at End of Building Far away from Gym/Dining</p>	<p>Front Door Central Location Central Location near Library Extended Parent Car Stacking</p>
<p>Library <i>Learning Communities Heart / Outdoor Access</i></p>	<p>Outside Learning Communities Opposite side from Front Entry</p>	<p>Heart of Campus Visible from the Street Potential Architectural Feature</p>
<p>Learning Communities <i>Grade Level Flexibility / Outdoor Access</i></p>	<p>West Side "Exposed Feeling"</p>	<p>Embrace the Courtyard Views + Access to Outdoors Access to Science, Art, Music</p>

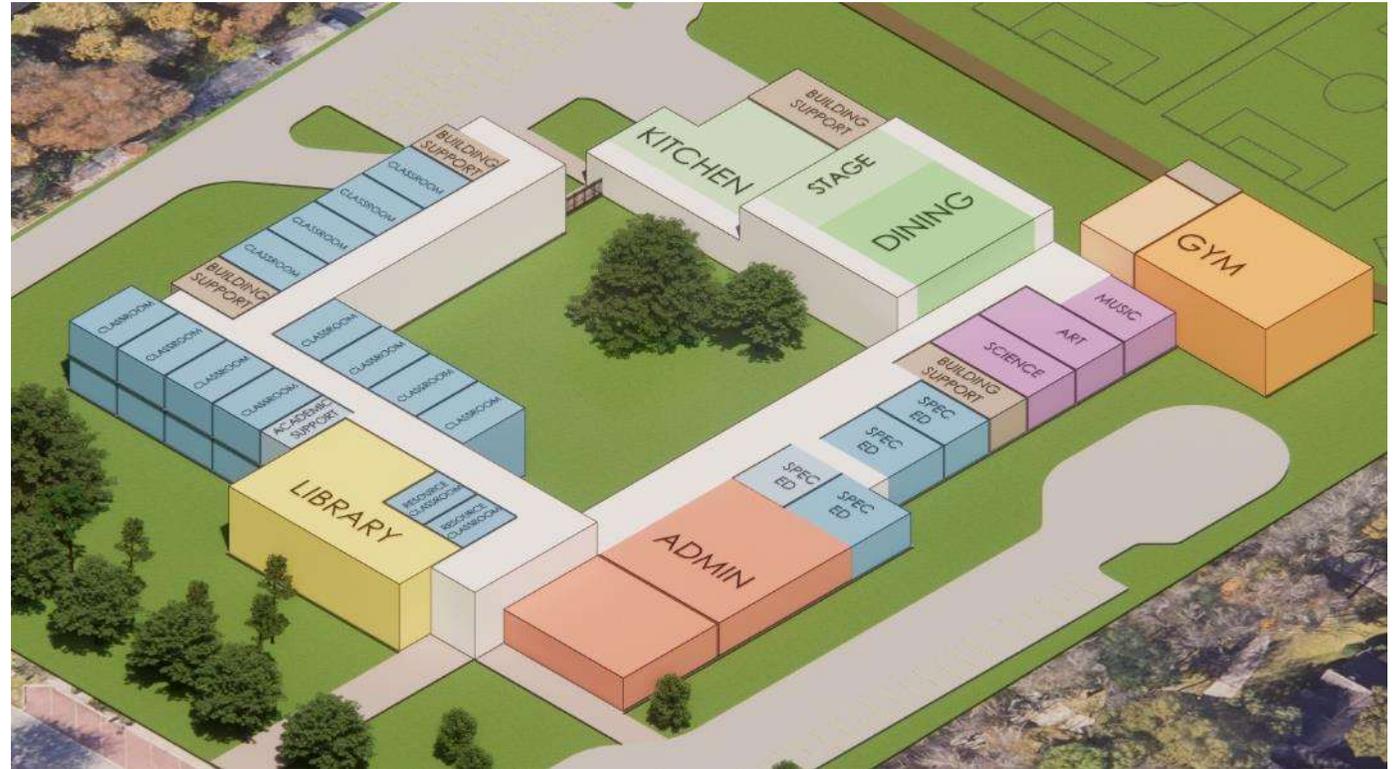


PAT Mtg#3: Organization / Block Diagram – Option B

Design Option “B”



Block Diagram



Administration

- Front Door Central Location
- Central Location near Library
- Extended Parent Car Stacking

Library / Media Center

- Heart of Campus
- Visible from the Street
- Potential Architectural Feature

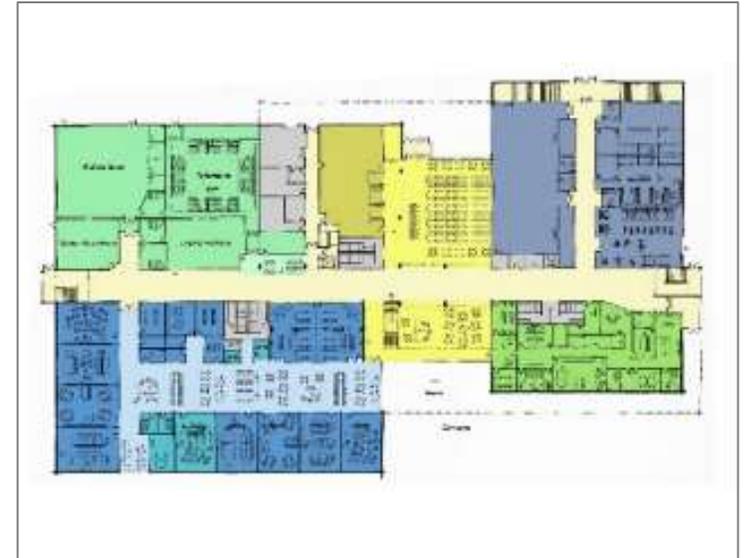
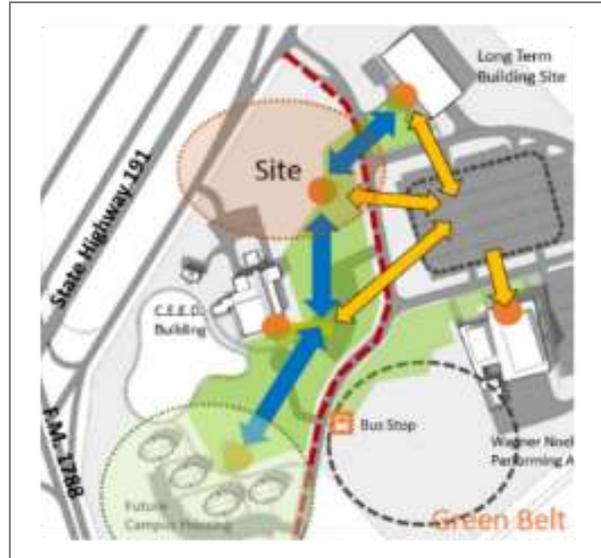
Learning Communities

- Embrace the Courtyard
- Views + Access to Outdoors
- Access to Science, Art, Music

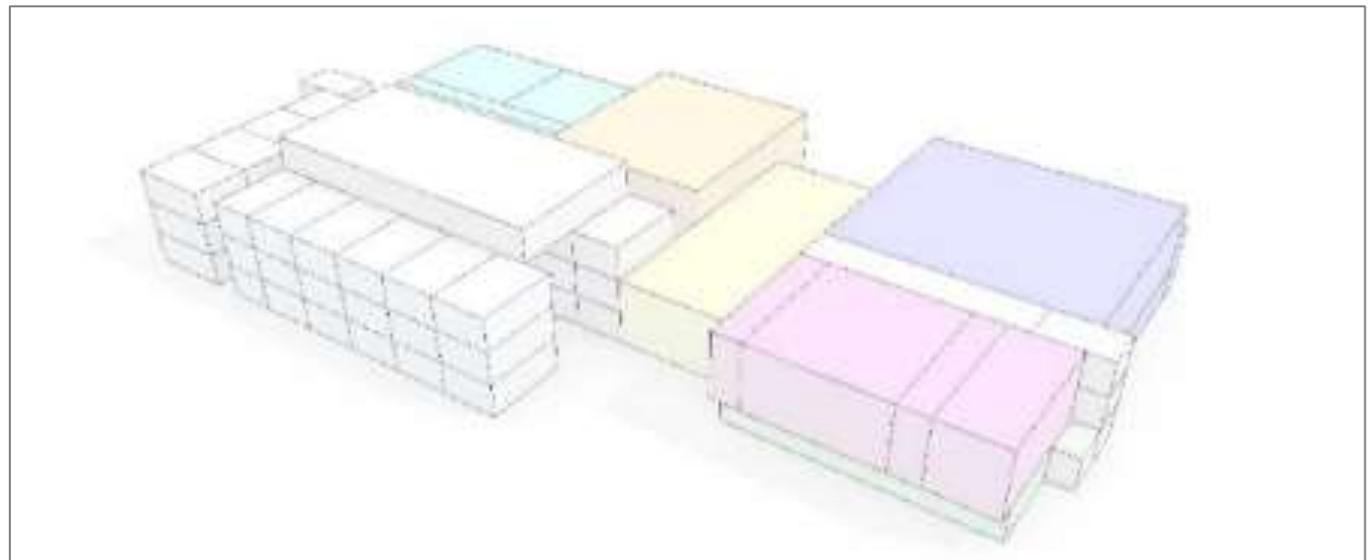


Item 3

PAT MEETING #4 Schematic Design Progress



Review Design Progress + Seek Feedback:
Site Plan | Floor Plan | 3D Massing

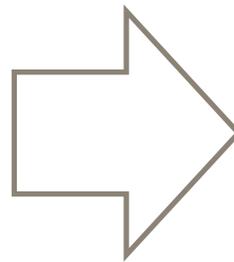




PAT Mtg#4 Information: Moving from Concept to Schematic Design



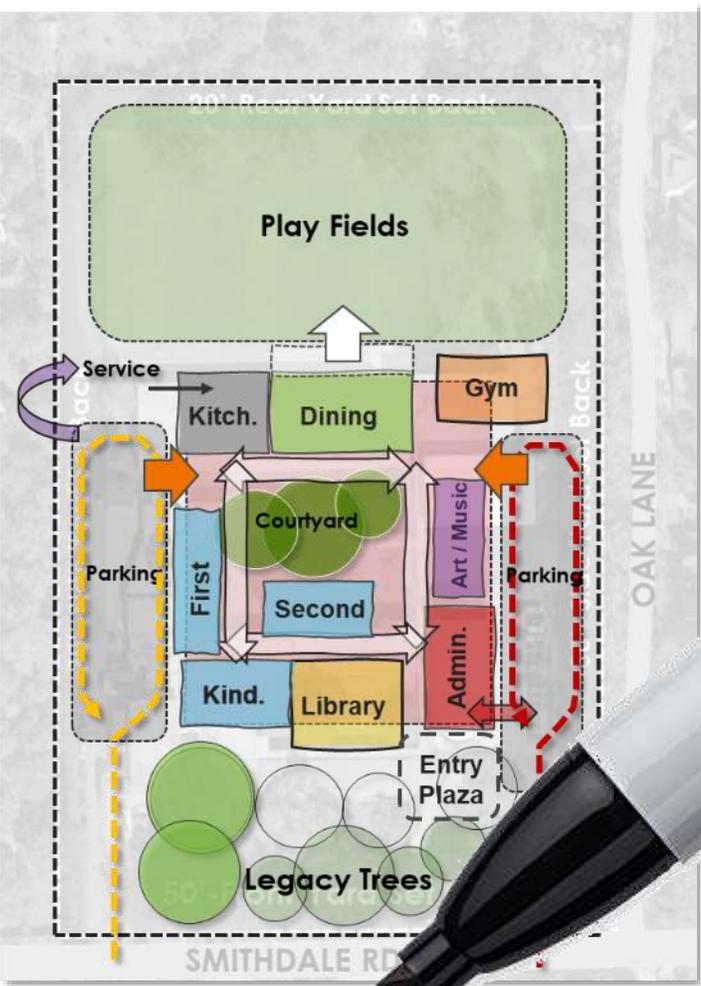
Bubble Diagram
Functional relationships



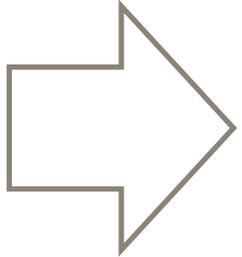
Line Diagram
Spaces shown accurately / scale



PAT Mtg#4 Information: Moving from Concept to Schematic Design



Bubble Diagram
Functional relationships



Line Diagram
Spaces shown accurately / scale



PAT Mtg#4 Information: Schematic Design | Site Plan



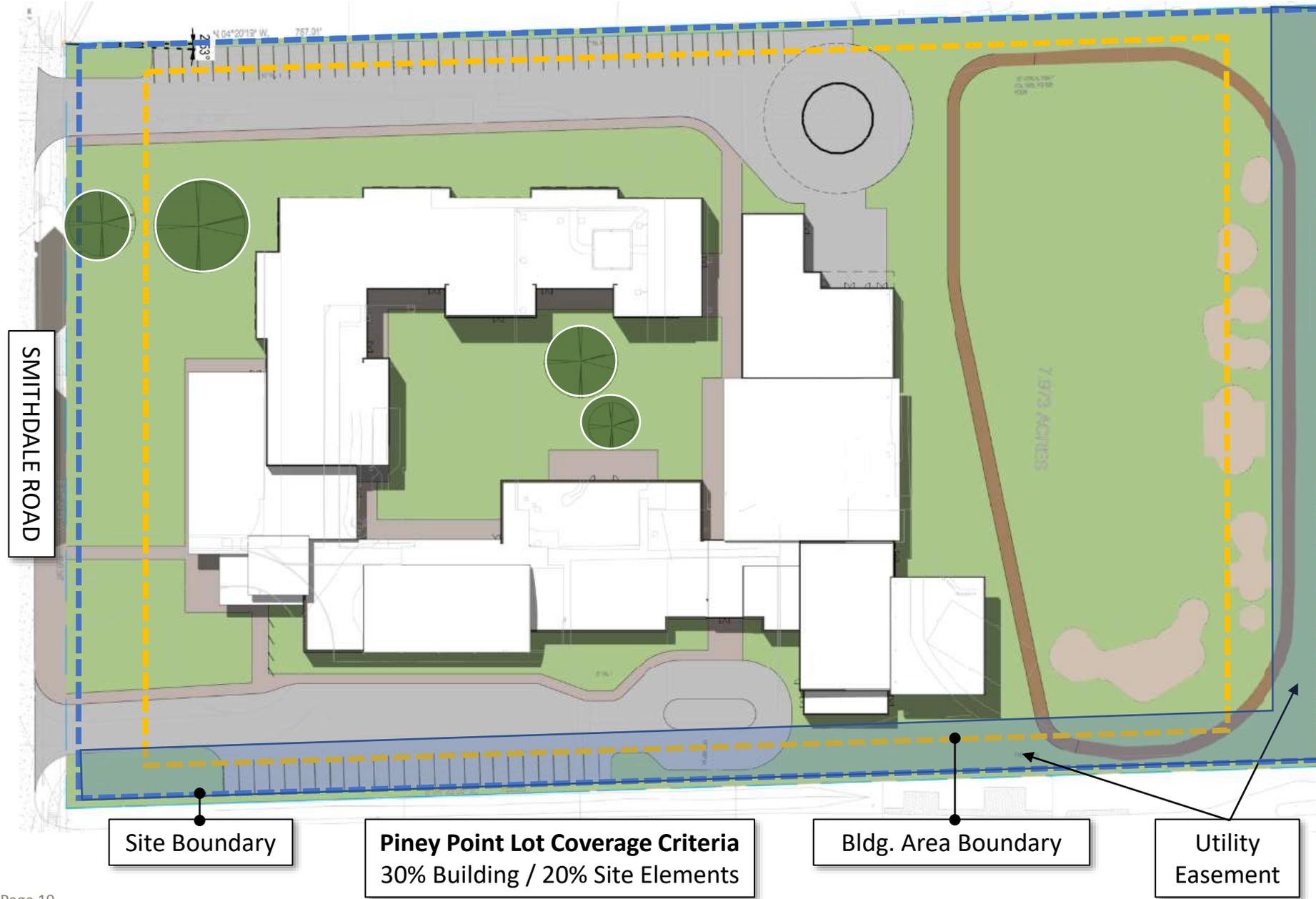
Presentation Note:
Orientation of the Plan
has been rotated
for ease of PowerPoint
graphic communication
of the Schematic Design:
Site Plan and Floor Plan
Memorial Drive ES





PAT Mtg#4 Information: Schematic Design

MDE Schematic Design Site Plan Overview



- ▶ Site Plan (Survey, Building, trees, utility)
- Existing Building Perimeter
- Existing Gym & Library
- Parent drop-off/ Visitor entry
- Bus drop-off
- Building Services
- Play Fields
- Front Plaza
- After Hours Building Access

Site Boundary

Piney Point Lot Coverage Criteria
30% Building / 20% Site Elements

Bldg. Area Boundary

Utility Easement



MDE Schematic Design Site Plan Overview



Site Plan
(Survey, Building, trees, utility)

▶ Existing Building Perimeter

Existing Gym & Library

Parent drop-off/ Visitor entry

Bus drop-off

Building Services

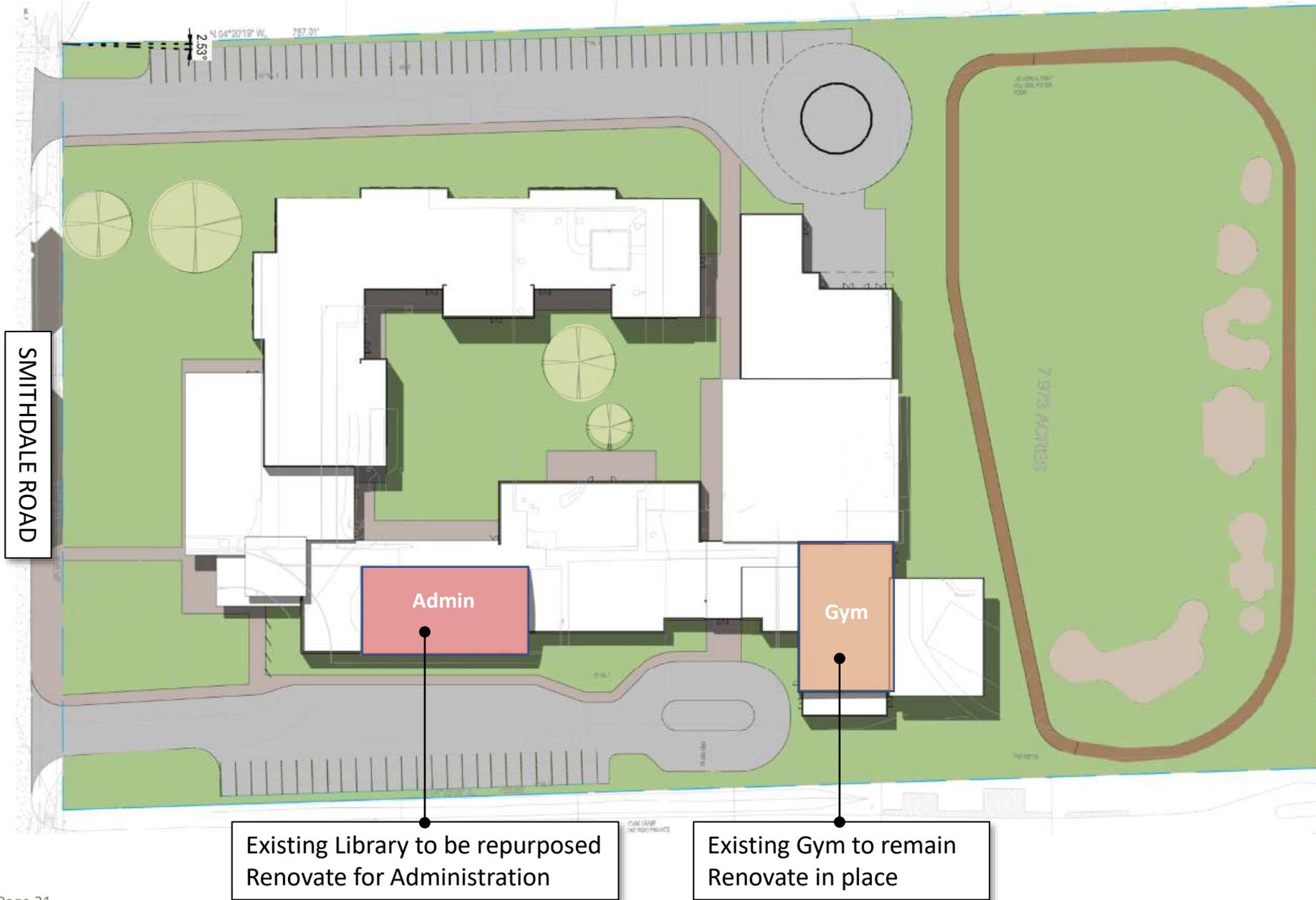
Play Fields

Front Plaza

After Hours Building Access



MDE Schematic Design Site Plan Overview



Site Plan
(Survey, Building, trees, utility)

Existing Building Perimeter

▶ Existing Gym & Library

Parent drop-off/ Visitor entry

Bus drop-off

Building Services

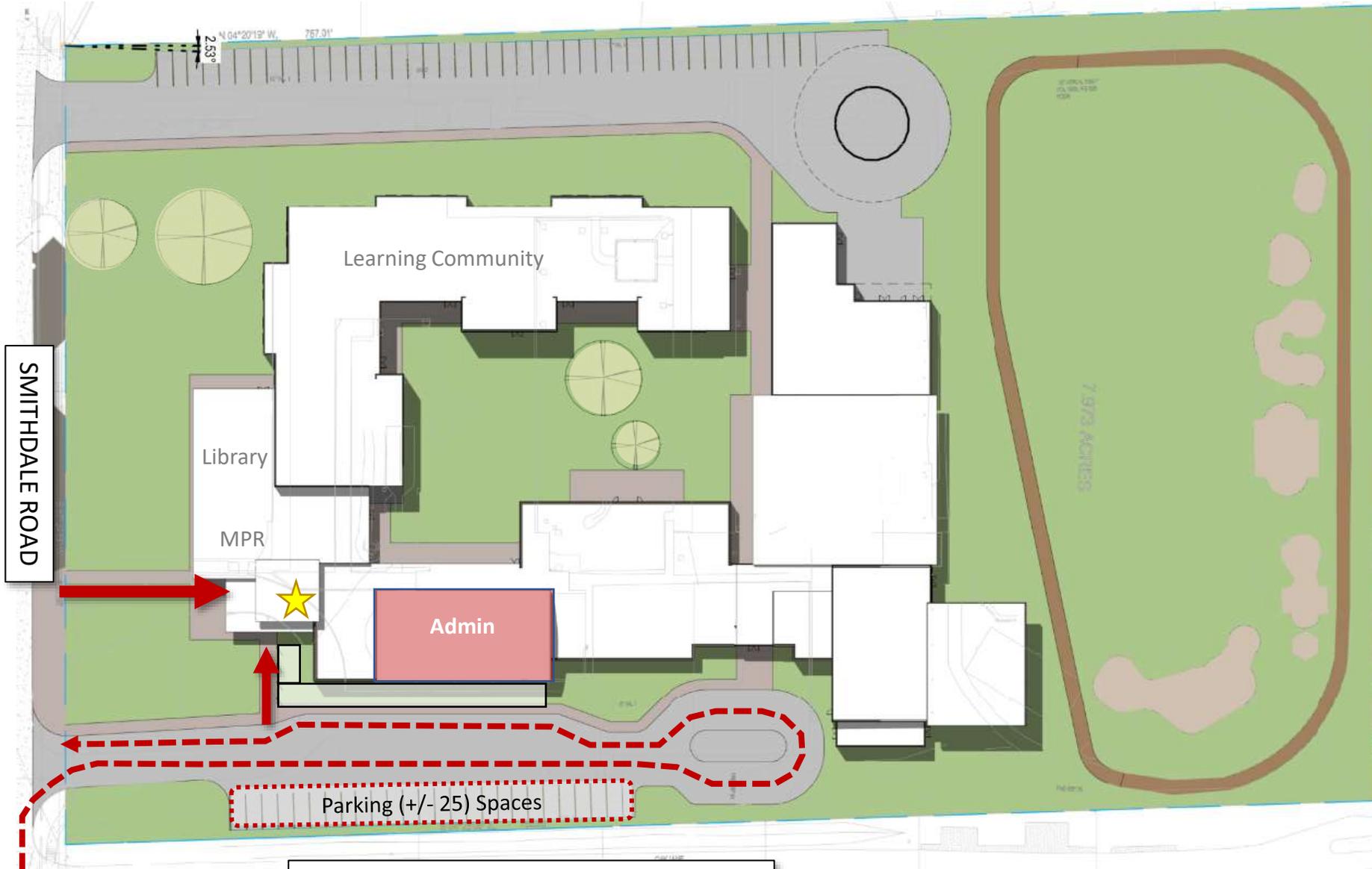
Play Fields

Front Plaza

After Hours Building Access



MDE Schematic Design Site Plan Overview



Site Plan
(Survey, Building, trees, utility)

Existing Building Perimeter

Existing Gym & Library

▶ Parent drop-off/ Visitor entry

Bus drop-off

Building Services

Play Fields

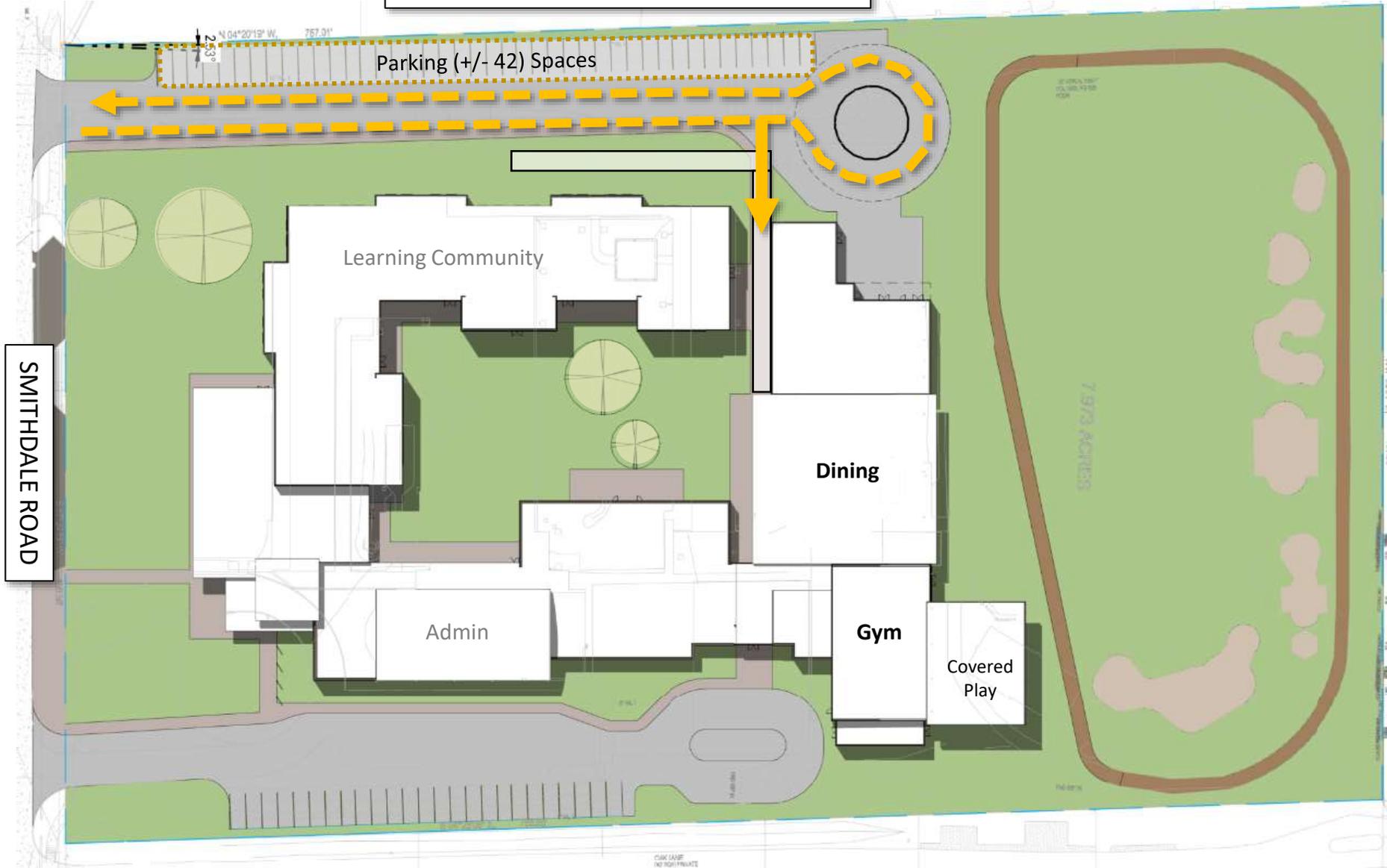
Front Plaza

After Hours Building Access

Piney Point Lot Coverage Criteria
Final Parking Quantity to be determined



Piney Point Lot Coverage Criteria
Final Parking Quantity to be determined



MDE Schematic Design
Site Plan Overview

- Site Plan
(Survey, Building, trees, utility)
- Existing Building Perimeter
- Existing Gym & Library
- Parent drop-off/ Visitor entry
-  Bus drop-off
- Building Services
- Play Fields
- Front Plaza
- After Hours Building Access



MDE Schematic Design Site Plan Overview



Site Plan
(Survey, Building, trees, utility)

Existing Building Perimeter

Existing Gym & Library

Parent drop-off/ Visitor entry

Bus drop-off

 Building Services

Play Fields

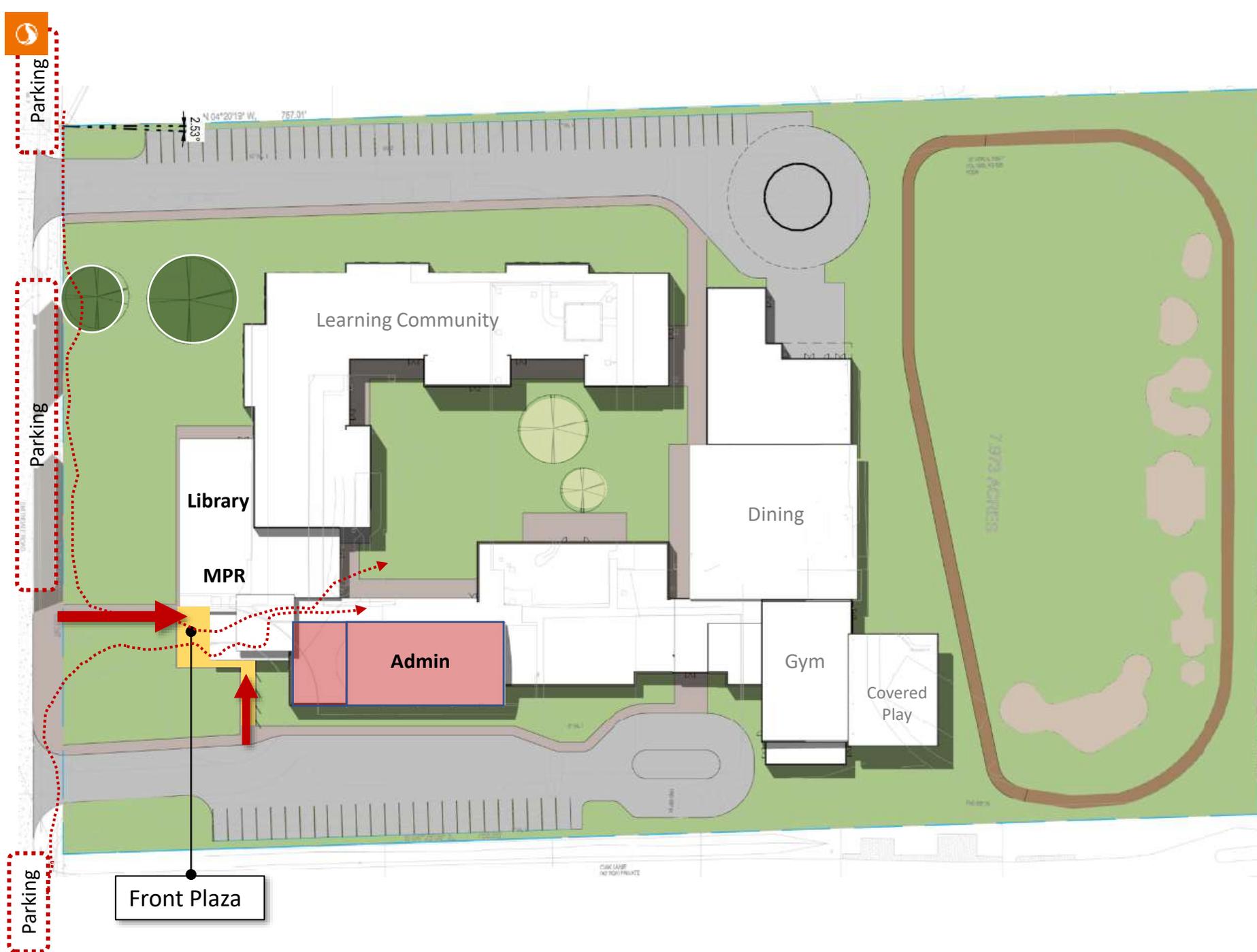
Front Plaza

After Hours Building Access

SMITHDALE ROAD

PLUMBING
AND HIGH PRESSURE

MDE Schematic Design Site Plan Overview



- Site Plan
(Survey, Building, trees, utility)
- Existing Building Perimeter
- Existing Gym & Library
- Parent drop-off/ Visitor entry
- Bus drop-off
- Building Services
- Play Fields
- Front Plaza
- After Hours Building Access



MDE Schematic Design Site Plan Overview



Site Plan
(Survey, Building, trees, utility)

Existing Building Perimeter

Existing Gym & Library

Parent drop-off/ Visitor entry

Bus drop-off

Building Services

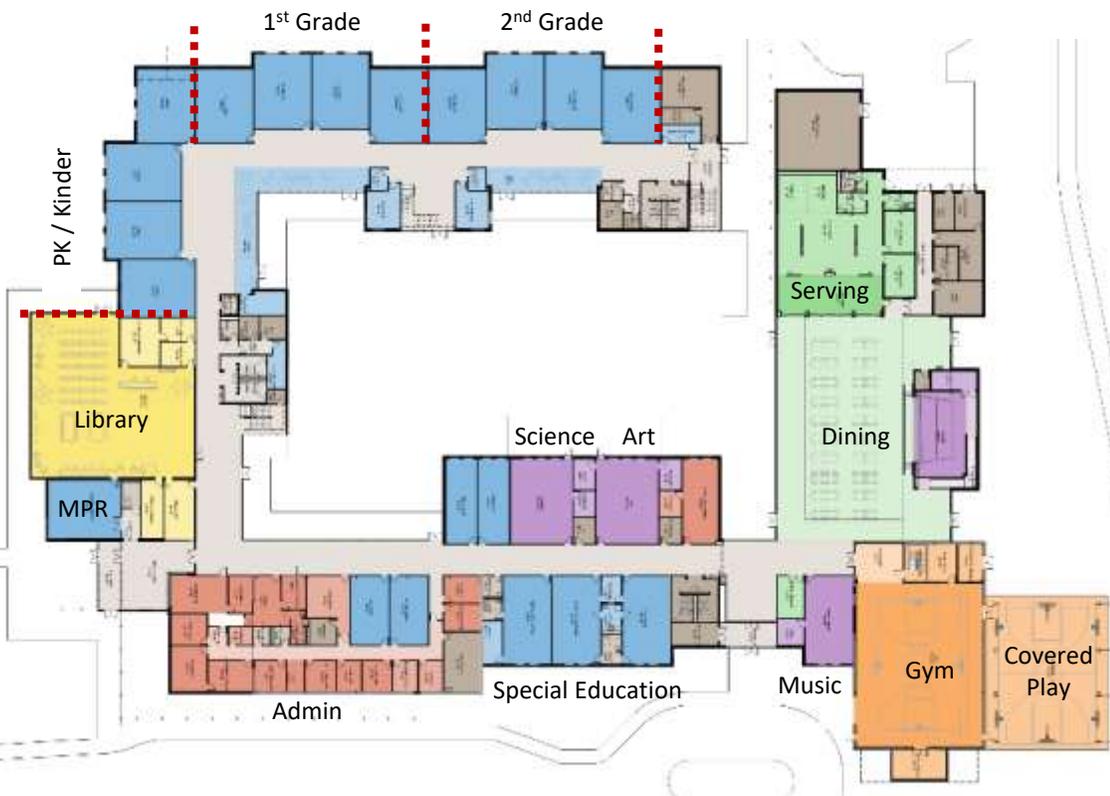
Play Fields

Front Plaza

 After Hours Building Access

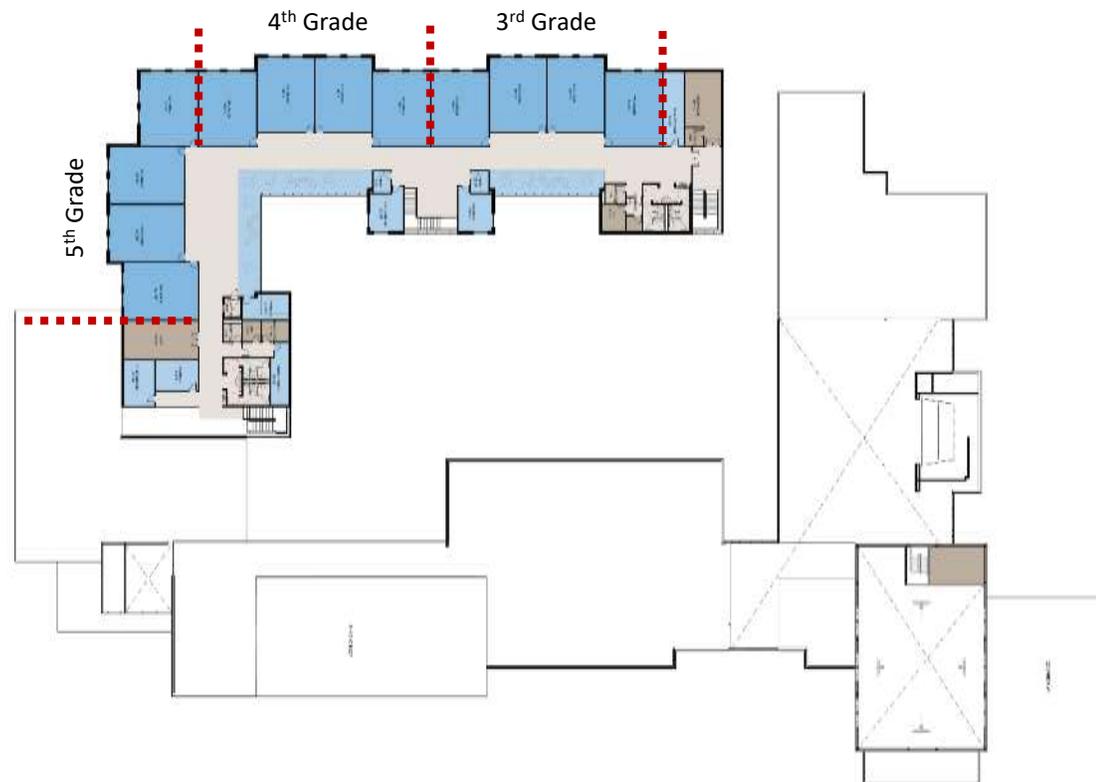


PAT Mtg#4 Information: Schematic Design | Floor Plans



First Floor Plan

- Administration
- Library + Multi-Purpose
- PK/K + 1st + 2nd Grade
- Educational Support Spaces
- Special Education
- Art, Science, Music
- Gym + Covered Play
- Dining / Kitchen



Second Floor Plan

- 3rd + 4th + 5th Grade
- Educational Support Spaces

- 24 Classrooms**
- 4 = PK/Kinder
 - 4 = 1st grade
 - 4 = 2nd grade
 - 4 = 3rd grade
 - 4 = 4th grade
 - 4 = 5th grade



MDE Schematic Design Floor Plan Elements



First Floor Plan

Administration

Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)

Courtyard

Art, Science & Music

Special Education

Gym & Outdoor Play

Dining

Kitchen & Service



MDE Schematic Design Floor Plan Elements

First Floor Plan

- ▶ Administration
- Library & Multi-Purpose
- Grade Level Pods (PK/K - 5th)
- Courtyard
- Art, Science & Music
- Special Education
- Gym & Outdoor Play
- Dining
- Kitchen & Service



MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

▶ Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)

Courtyard

Art, Science & Music

Special Education

Gym & Outdoor Play

Dining

Kitchen & Service





MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

Library & Multi-Purpose

▶ Grade Level Pods (PK/K - 5th)

Courtyard

Art, Science & Music

Special Education

Gym & Outdoor Play

Dining

Kitchen & Service





MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)



Courtyard

Art, Science & Music

Special Education

Gym & Outdoor Play

Dining

Kitchen & Service



MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)

Courtyard

▶ Art, Science & Music

Special Education

Gym & Outdoor Play

Dining

Kitchen & Service





MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)

Courtyard

Art, Science & Music

▶ Special Education

Gym & Outdoor Play

Dining

Kitchen & Service



MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)

Courtyard

Art, Science & Music

Special Education

Gym & Outdoor Play

Dining

Kitchen & Service





MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)

Courtyard

Art, Science & Music

Special Education

Gym & Outdoor Play

▶ Dining

Kitchen & Service



MDE Schematic Design Floor Plan Elements

First Floor Plan

Administration

Library & Multi-Purpose

Grade Level Pods (PK/K - 5th)

Courtyard

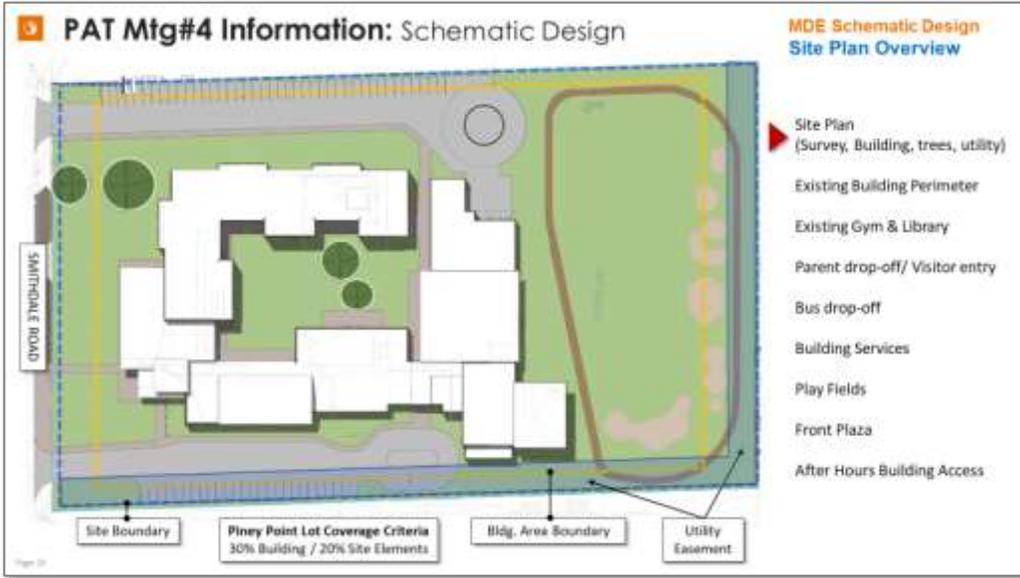
Art, Science & Music

Special Education

Gym & Outdoor Play

Dining

Kitchen & Service



Does the Schematic Design Respond to Guiding Principles?

MDE DESIGN - GUIDING PRINCIPLES

Engage the Intimate Natural Setting

Maintain the small neighborhood school character that engages the natural setting with views and access to outdoor areas.

Celebrate our MDE Community

Support and promote a caring close-knit family environment that fosters connection among students, staff, and parents during and after school.

Perpetuate Our Traditions

Keep the qualities of tradition, community and family in the new design with active hands-on teaching and learning spaces indoor and outdoor.

Demonstrate Our Values

Focus on building student character and promoting the development of the individual as a future citizen.

1	Site & Context Engage Natural Setting Tradition, Community, Family	YES	NO
		<input type="checkbox"/>	<input type="checkbox"/>
2	Building Organization Fosters MDE Connection Indoor / Outdoor Learning	YES	NO
		<input type="checkbox"/>	<input type="checkbox"/>



Item

4

PAT MEETING #4 **PAT Engagement:** **Architectural Expression**

Explore Architectural Expression “Elements”

Masonry | Steel | Wood | Glass – Texture, Pattern, Transparency



Composition | Tone | Shape | Scale | Materiality



PAT Mtg#4 Engagement: Preliminary 3D Building Massing

MEMORIAL DRIVE ELEMENTARY SCHOOL



View 1: Looking from SE Corner at Parent / Visitor Entry



PAT Mtg#4 Engagement: Preliminary 3D Building Massing

MEMORIAL DRIVE ELEMENTARY SCHOOL



View 2: Looking from SW Corner at Bus Drop Off





PAT Mtg#4 Engagement: Preliminary 3D Building Massing

MEMORIAL DRIVE ELEMENTARY SCHOOL



View_3: Looking from NE Corner at Play Fields



“Rules” of Engagement Discussion:

We are seeking PAT Input on the Exterior Architectural Expression

These images are NOT the proposed design

Stantec will highlight the “Element Attribute” of the image shown

Review / Discuss 5 “Attributes” from Selected Images:

Composition Tone Shape Scale Materiality

PAT Feedback: Individual Completion of Architectural Expression Worksheet



Keep the MDE Guiding Principles in Mind

MDE DESIGN - GUIDING PRINCIPLES

Engage the Intimate Natural Setting

Maintain the small neighborhood school character that engages the natural setting with views and access to outdoor areas.

Celebrate our MDE Community

Support and promote a caring close-knit family environment that fosters connection among students, staff, and parents during and after school.

Perpetuate Our Traditions

Keep the qualities of tradition, community and family in the new design with active hands-on teaching and learning spaces indoor and outdoor.

Demonstrate Our Values

Focus on building student character and promoting the development of the individual as a future citizen.



1. Composition

As viewed from the street, what does the building communicate?

Formal: Institutional, Public & Civic



Formal Entry



Repetitive Pattern



Symmetrical

Informal: Casual, Natural & Approachable



Informal Entry



Natural Pattern



Balanced



2. Tone & Tenor

How does the composition of building materials look and feel?

Neutral Tones & Natural Materials: Compliment the Landscape = Warm, Blended, Natural



Masonry, Wood, Glass



Masonry, Wood, Glass



Masonry, Glass, Stone



Masonry, Metal, Glass

Colorful Tones & Vibrant Materials: Contrast the Landscape = Bright, Vibrant, Colorful



Masonry, Metal, Glass



Metal, Wood, Glass



Metal, Glass



Masonry, Metal, Glass



3. Shape

How does the building shape relate to the surrounding context?

Orthogonal & Geometric:

Simple Geometric Lines

Attention Getting = Color



Traditional Shapes



Bold Entry



Colorful Accents



Natural Colors

Organic & Sculptural:

Sloped Roof Lines

Attention Getting = Shape



Tall, Vertical Entry



Bold Entry



Angular Shapes



Sculptural Roof Lines



4. Scale

View from a Distance – What is the identity statement for the building?
Front Entry Experience – How does the front entry approach feel?

Vertical



Vertical Entry Feature

Attention Getting Object
viewed from a distance

Neutral



Balanced Composition

Sculptural Element
balanced by horizontal entry

Horizontal



Natural Composition

Horizontal Planes
blend with natural landscape

5. Materiality

How do the building materials (quantity, composition and type) shape the exterior?

Multiple Types of materials



Materials shape Massing

Large Shapes, Multiple Materials break down the building scale (Masonry, Glass, Metal, Wood)

Limited Range of materials



Field Material with Accents

Field Material = Brick
Accents = Multiple Material (Glass, Metal, Wood)

Single Type of material



Single Field Material

Field Material = One Material
Limited Accents (Texture, Shape)



PAT Mtg#4 Engagement: Individual Response Worksheet

PAT Input



Architectural Expression

Engagement Activity:

10-15 min Individual Input

Select YOUR Preferred Choice for each of the 6 Architectural Expression Design Elements:

- Composition
- Tone & Tenor
- Shape
- Scale
- Materiality

Provide Comments on what you like the most about the image(s) you have seen.

We will collect these worksheets and see where we have consensus from the PAT.

THANK YOU for your feedback in shaping the design of the New Memorial Drive ES!

PAT Mtg #4 – Exterior Architectural Expression Worksheet		
Name: _____		
Exterior Design Element	Select Your Individual Preference	Comments on Images
1 Composition: As viewed from the street, what does the building communicate?	Formal Hybrid Informal   	What do you like <u>most</u> ?: _____ What do you like <u>least</u> ?: _____
2 Tone & Tenor: How does composition of the building materials look/feel?	Neutral Tone Hybrid Colorful Tone Natural Materials Vibrant Materials   	What do you like <u>most</u> ?: _____ What do you like <u>least</u> ?: _____
3 Shape: How does building shape relate to the surrounding context?	Orthogonal & Geometric Hybrid Organic & Sculptural   	What do you like <u>most</u> ?: _____ What do you like <u>least</u> ?: _____
4 Scale: Identify Statement? Entry Approach Feel?	Vertical Neutral Horizontal   	What do you like <u>most</u> ?: _____ What do you like <u>least</u> ?: _____
5 Materiality: How do the building materials (quantity, composition, type) shape the exterior?	Multiple Types Limited Range Single Type   	What do you like <u>most</u> ?: _____ What do you like <u>least</u> ?: _____

Item

5

NEXT STEPS

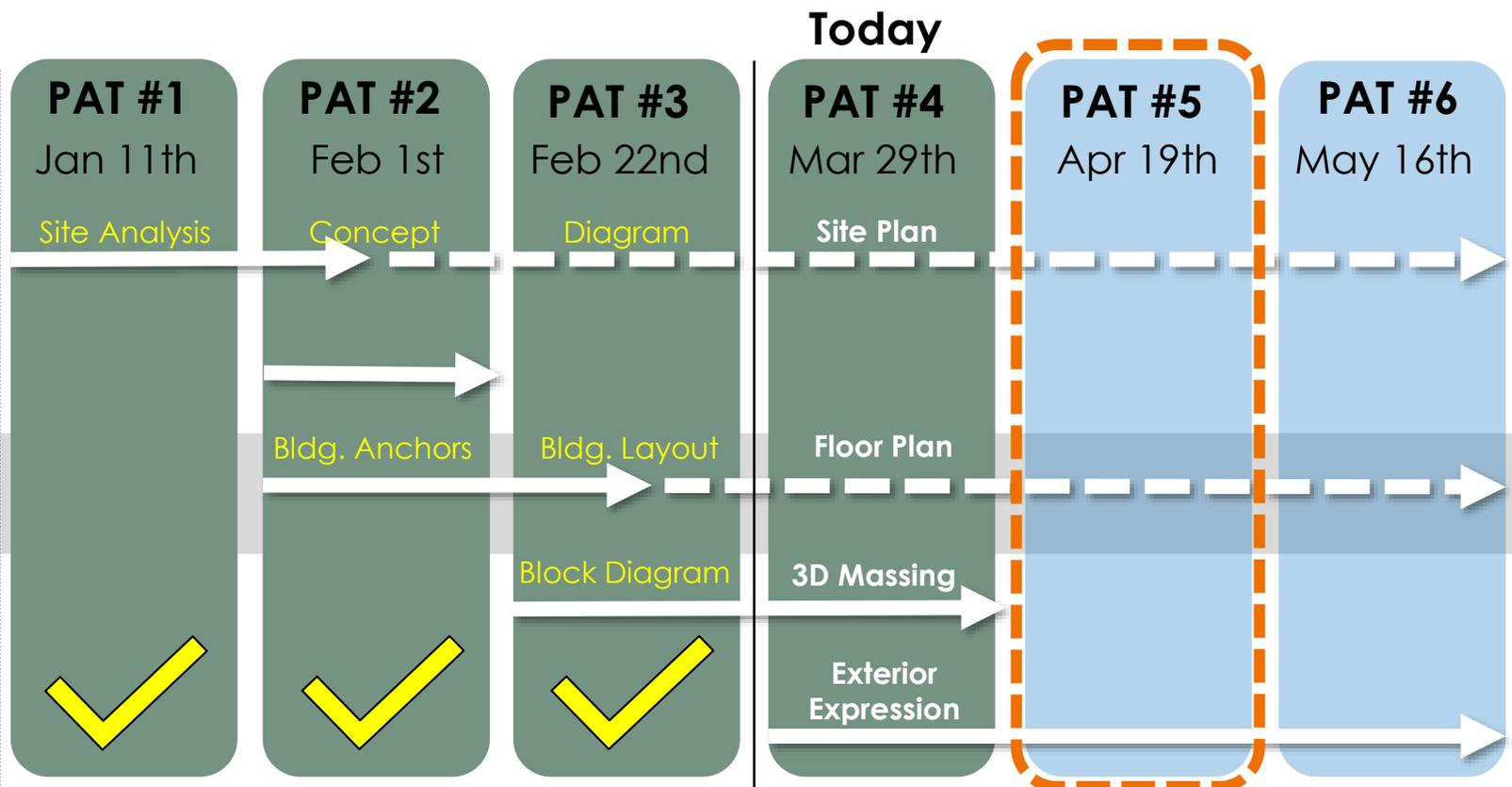




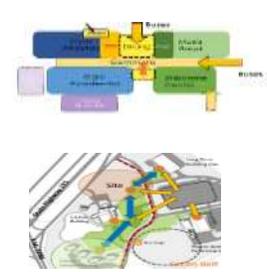
Next Steps – PAT Engagement Process

- 1 Site Influences
- 2 Program Space Types
- 3 Functional Relationships
- 4 Space Type Attributes
- 5 Architectural Expression

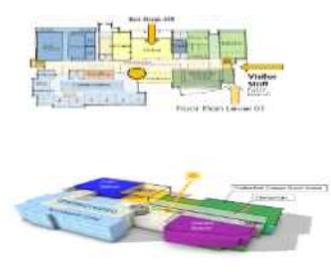
January 2022



CONCEPTUALIZE



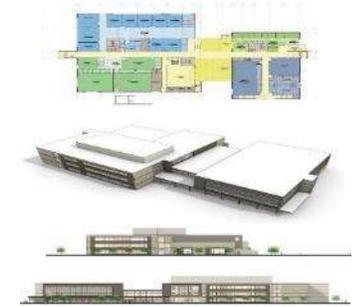
EXPLORE



DEVELOP



REFINE



PAT Consensus
May 2022



PAT Meeting #5 – What's Happening Next?

MEMORIAL DRIVE ELEMENTARY SCHOOL

PAT Mtg#4 Engagement: Facilitated Group Discussion

PAT Mtg#4 Information:

Does the Schematic Design Respond to Guiding Principles?

MDE DESIGN - GUIDING PRINCIPLES

Engage the Intrinsic Natural Setting
Maximize the visual and experiential character that engages the natural setting with views and access to outdoor spaces.

Celebrate our MDE Community
Support and promote a strong sense of family and community that builds connections among students, staff, and parents during and after school.

Perpetuate Our Traditions
Keep the qualities of tradition, continuity and history in the new design with using a family or learning and learning space tradition of the building.

Demonstrate Our Values
Focus on building student character and establishing the design practices of the school as a MDE.

1	Site & Context Engage Natural Setting Perpetuate Traditions	YES	NO
2	Building Organization Fosters MDE Connection Indoor / Outdoor Learning	YES	NO

Review Progress of Proposed Design

Updated Plan Layout + 3D Exterior Expression

PAT Mtg#4 Engagement: Individual Response Worksheet

PAT Input

Architectural Expression

Engagement Activity:
10-15 min Individual Input

Select **YOUR** Preferred Choice for each of the 6 Architectural Expression Design Elements:

- Composition
- Tone & Tenor
- Shape
- Scale
- Materiality

Provide Comments on what you like the most about the image(s) you have seen.

We will collect these worksheets and see where we have consensus from the PAT.

THANK YOU for your feedback in shaping the design of the New Memorial Drive ESI!

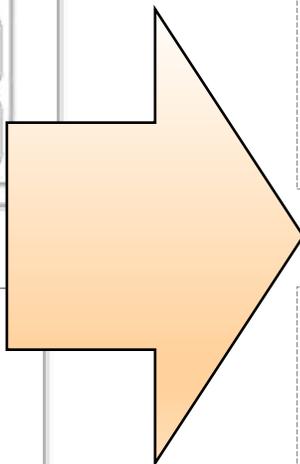
PAT Mtg #4 – Exterior Architectural Expression Worksheet

Name: _____

Exterior Design Element	Select Your Individual Preference	Comments on Images
1 Composition: As viewed from the street, what does the building communicate?	<input type="checkbox"/> Favor <input type="checkbox"/> Mixed <input type="checkbox"/> In-favor	What do you like best? What do you like least?
2 Tone & Tenor: How does composition of the building materials look/feel?	<input type="checkbox"/> Warm <input type="checkbox"/> Mixed <input type="checkbox"/> Cool	What do you like best? What do you like least?
3 Shape: How does building piece relate to the surrounding context?	<input type="checkbox"/> Distinctive & Unique <input type="checkbox"/> Subtle <input type="checkbox"/> Blends In	What do you like best? What do you like least?
4 Scale: Identify statements that represent scale.	<input type="checkbox"/> Favor <input type="checkbox"/> Mixed <input type="checkbox"/> In-favor	What do you like best? What do you like least?
5 Materiality: How does the building material (texture, color, composition) read when the sun hits?	<input type="checkbox"/> Warm <input type="checkbox"/> Mixed <input type="checkbox"/> Cool	What do you like best? What do you like least?

Explore Interior Expression "Elements"

Color | Shape | Pattern | Materiality





See you at PAT Mtg #5

**April 19, 2022
3:45 PM**

Memorial Drive ES

THANK YOU!