21st Century School Buildings Plan

SCHOOL James Mosher Elementary School

COMMUNITY MEETING Feasibility Study | May 22, 2018

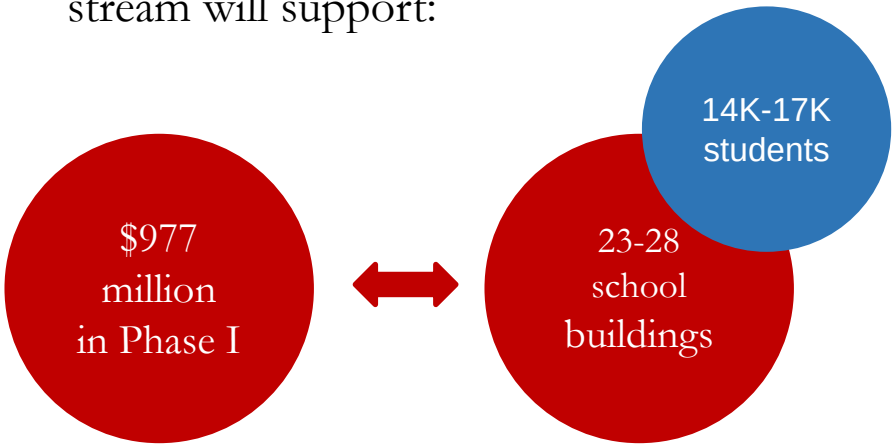
21st Century School Buildings Program Update

The Baltimore City Public School System (City Schools) Construction and Revitalization Act of 2013 resulted in a partnership between:

- The State of Maryland
- Baltimore City
- City Schools

Each contribute $20 million annually towards the plan.

Current estimates suggest the funding stream will support:



City Schools' Plan is one of the largest public works project in Baltimore City to date.

What is an Educational Specification?

Educational Specification (Ed Spec)

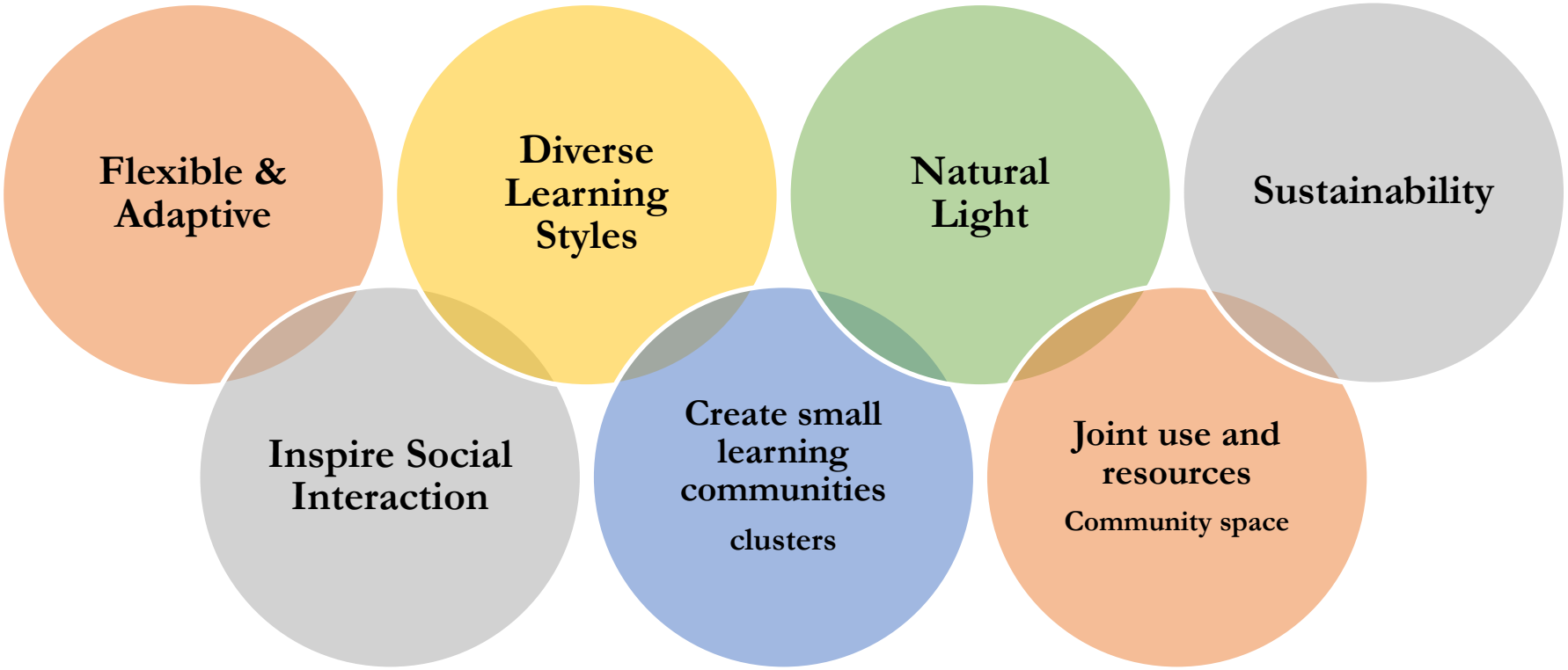
- include the ***essential elements of design*** or required learning environment features, characteristics and overall design goal for ***21st Century schools.***

- general guidelines, options and considerations that will guide each school-level planning process.

The site specific Ed Specs take into consideration:

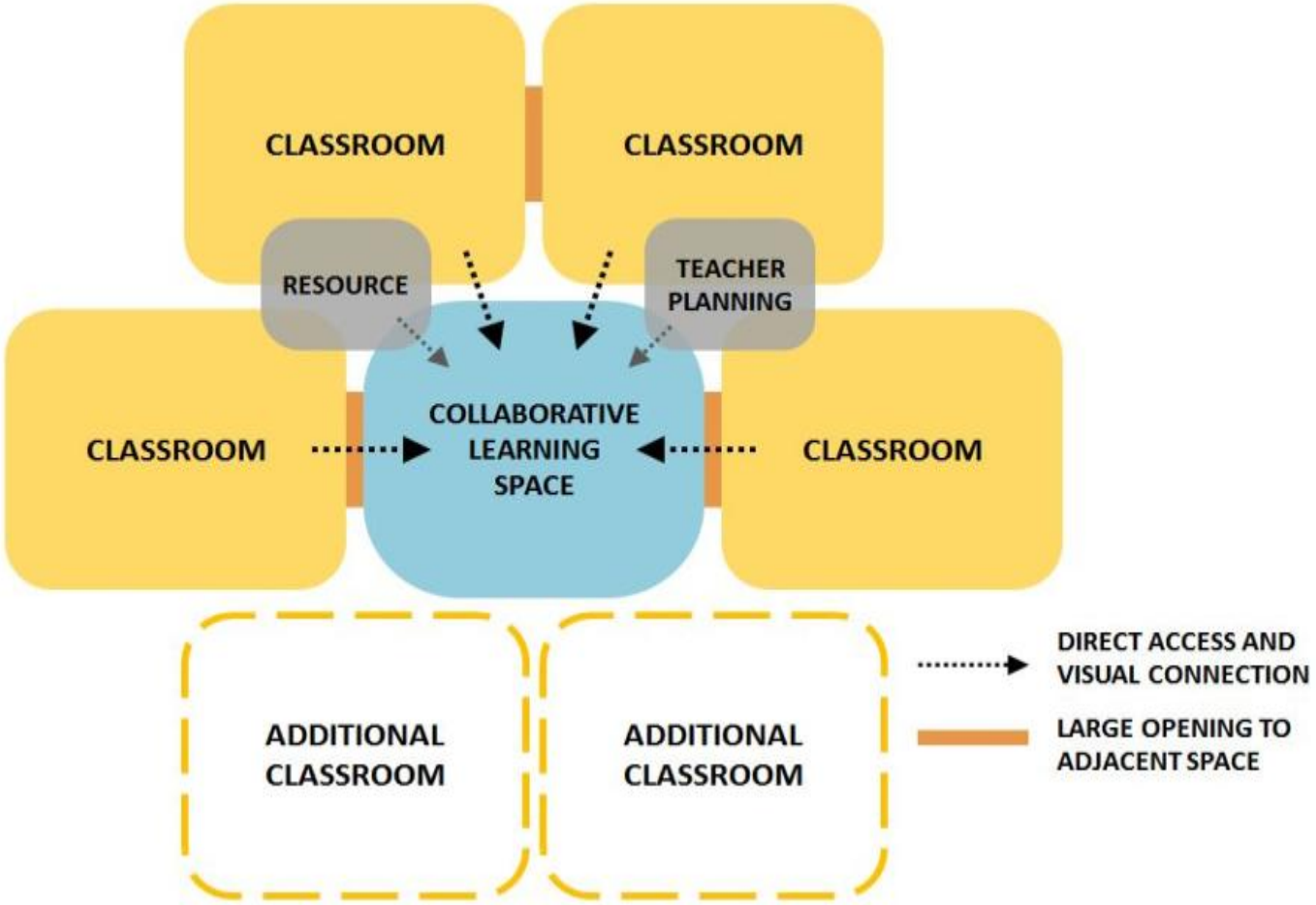
- Decisions regarding the number of classrooms by grade, for certain subjects, the relationship of one space to another, special built-in equipment, and a host of physical features.

Educational specifications that support innovative, high-quality teaching and learning…



21st Century Learning Spaces: *Cluster Approach*

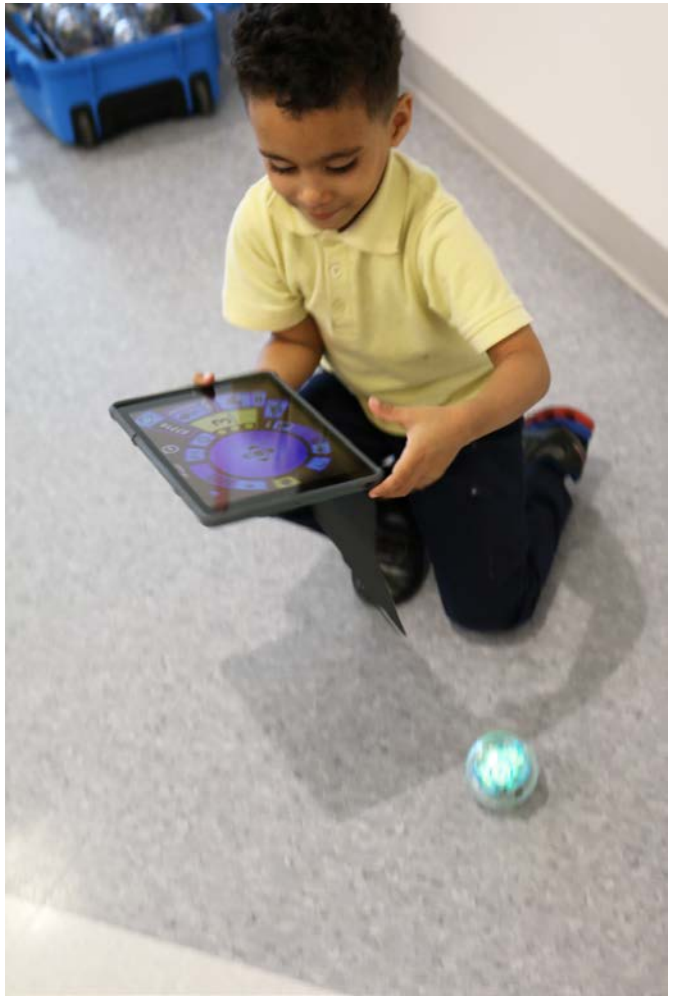
Flexible and adaptive space **so learning can happen anywhere:**
collaborative spaces, movable walls, display boards



Planning:
21st Century Characteristics

…so learning can happen anywhere:
collaborative spaces, movable walls, display boards

Planning
Existing Conditions



Feasibility Study

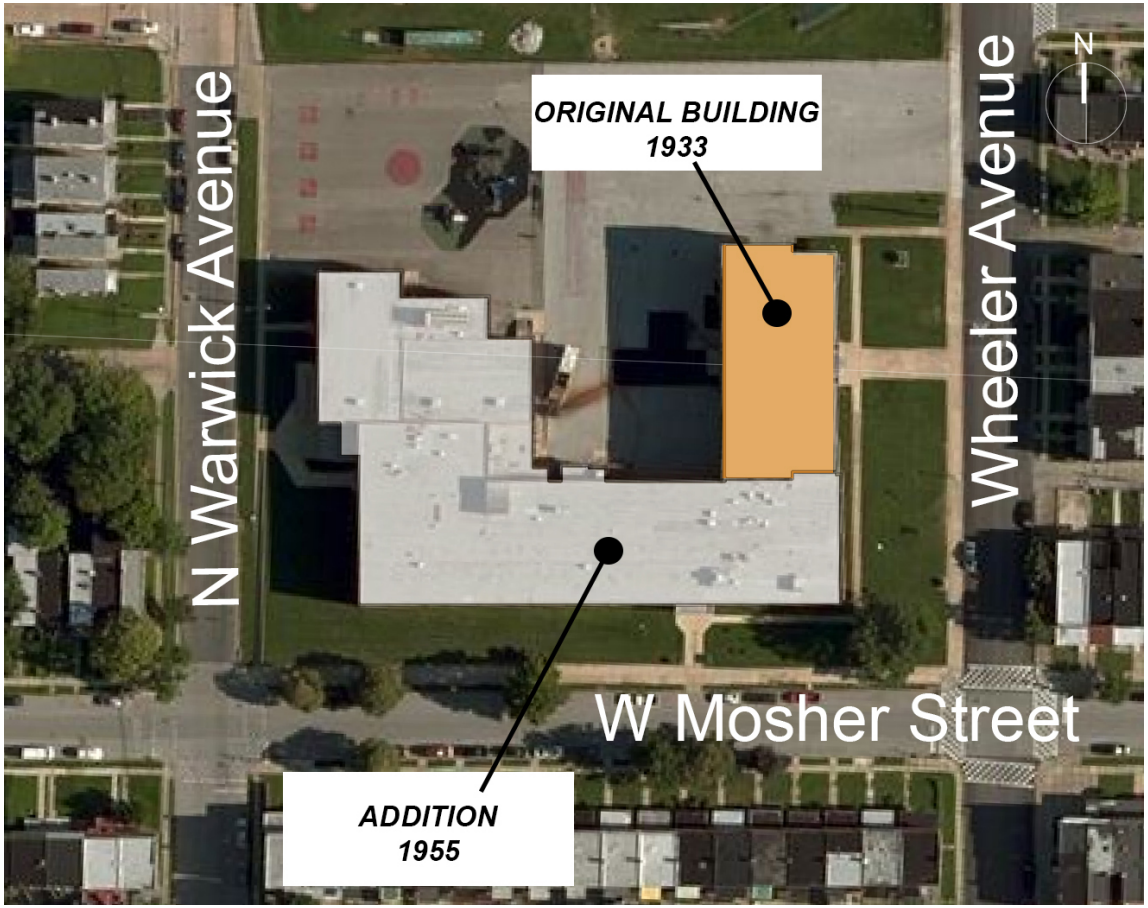
A Feasibility Study is an analysis of the existing condition of site and building components to include systems, elevations, other planning and design considerations.

The study will produce a minimum of three possible solutions (renovation & replacement options) that address:

Educational Specifications, determine building deficiencies or ability to accomplish goals of the project

Budgets, including Forty-Year Life Cycle, and schedule for all options

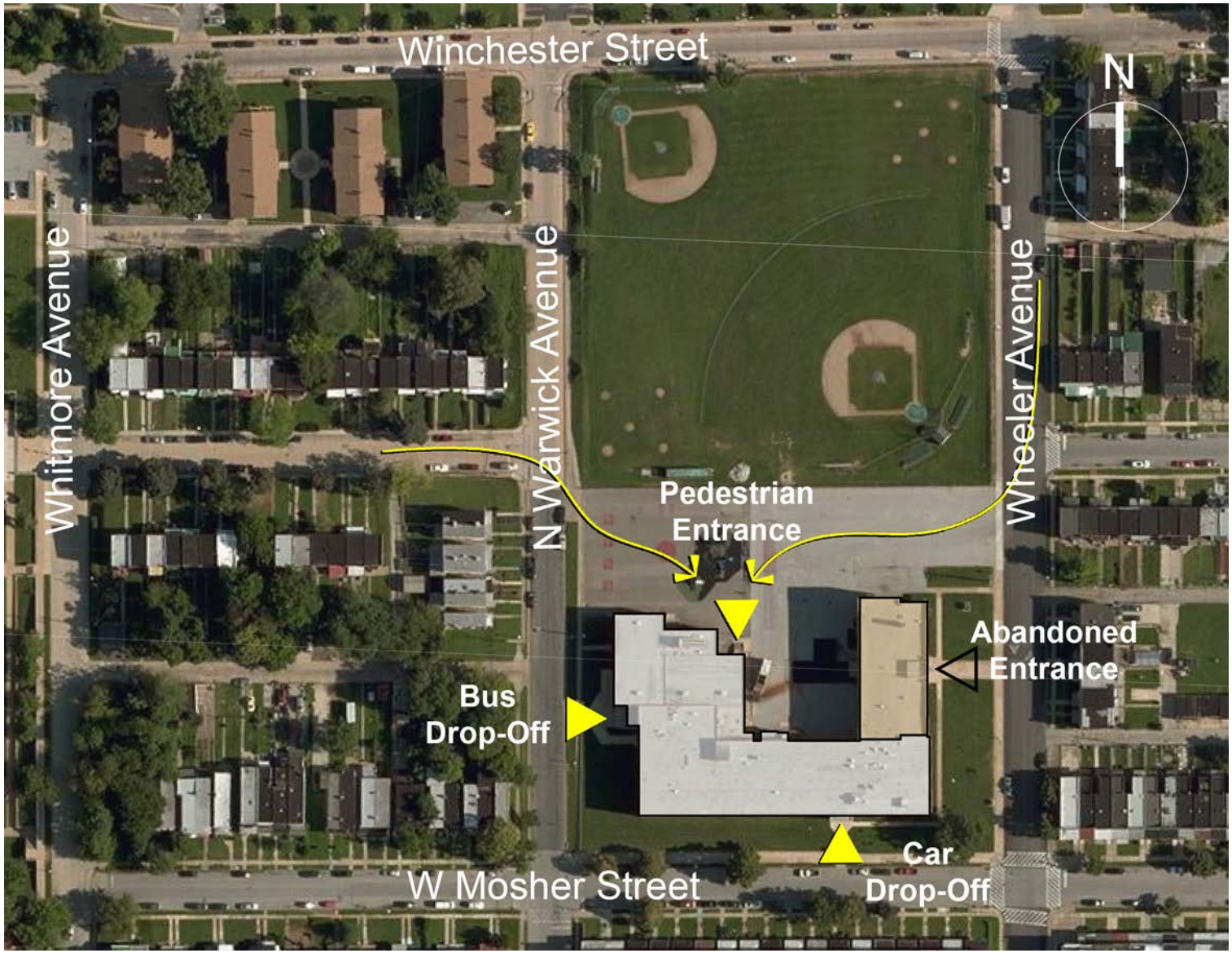
Planning:
Existing Conditions



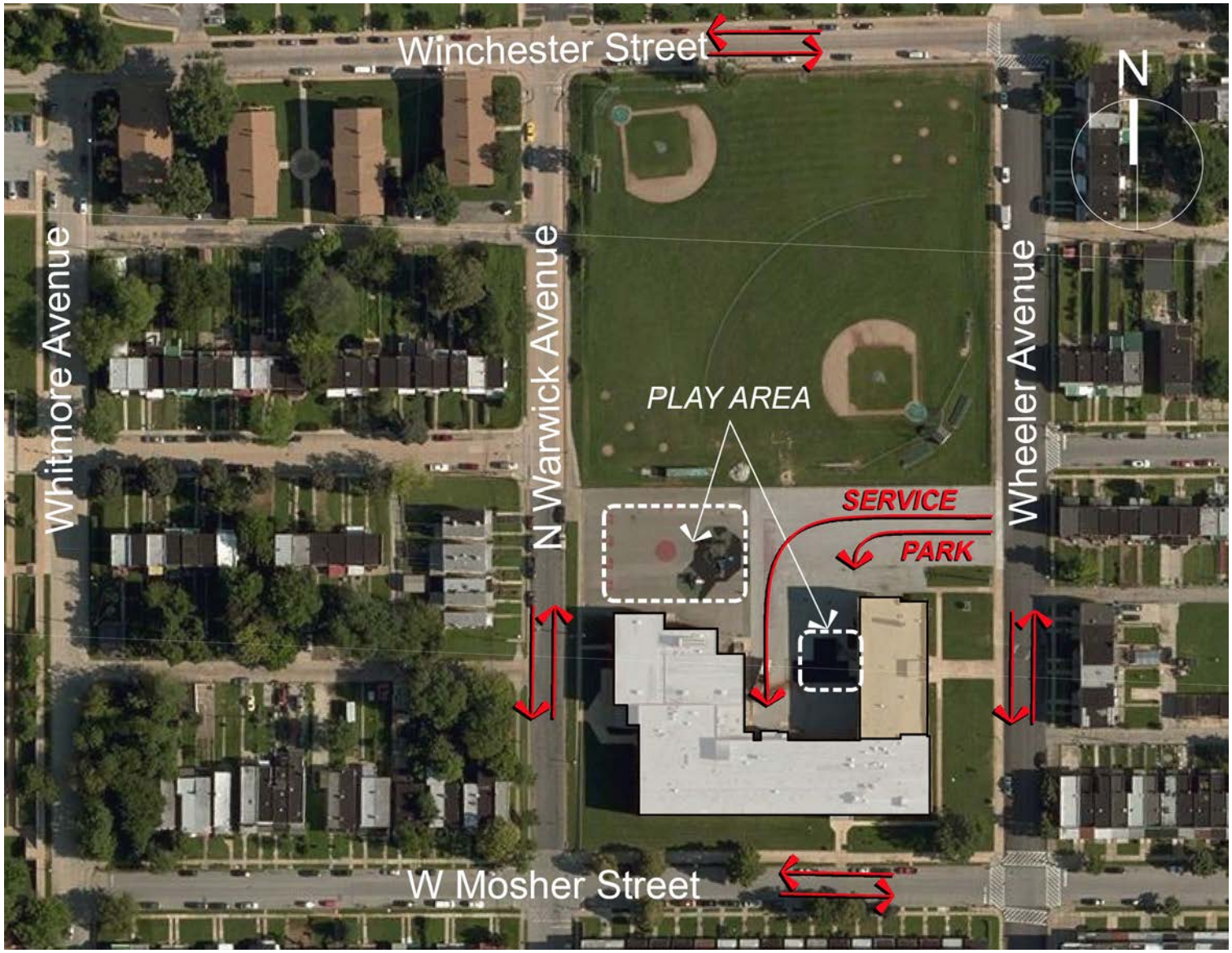
Original Building

- The original building was constructed in 1933 with a substantial addition in 1955.
- The square footage of the existing building is 65,854 SF

Pedestrian Circulation



Vehicular Circulation



Goals

- Provide a safe drop-off area.
- Accentuate the main entrance.
- Accommodate the program as per the Education Specifications.
- Separate the service drive from the children's play area.
- Enhance community access and use.

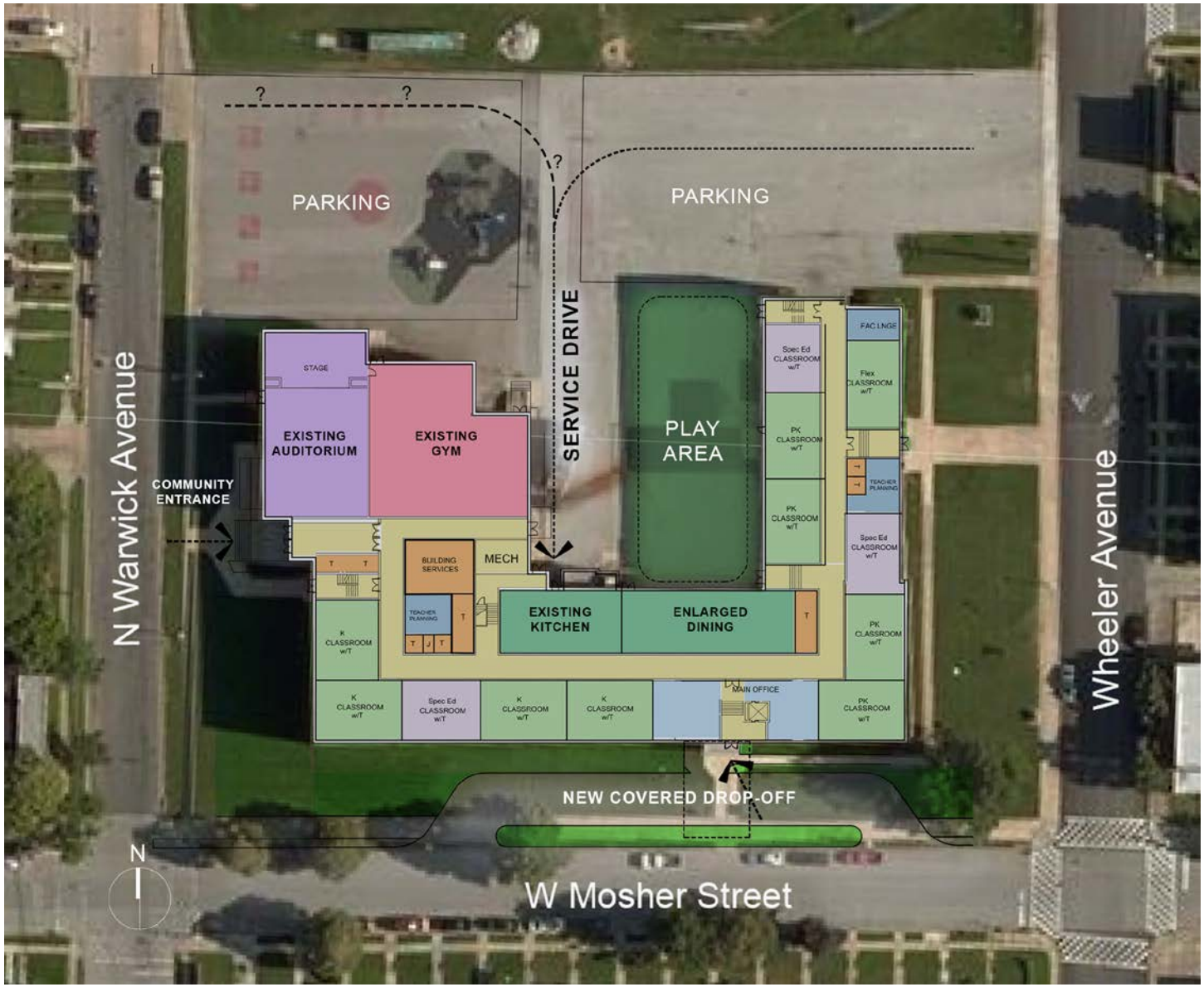
Challenges

- Existing space inadequate for the required program.
- The first floor is raised 3 feet above sidewalk level.
- Existing dining and kitchen facilities undersized and locked in the central area of the plan.
- The existing gym is undersized and cannot readily be expanded.
- The existing auditorium cannot readily be converted to a cafetorium.

Planning:
Potential Drop-Off

…giving the main entrance the prominence it deserves

Planning
Option 1: First Floor

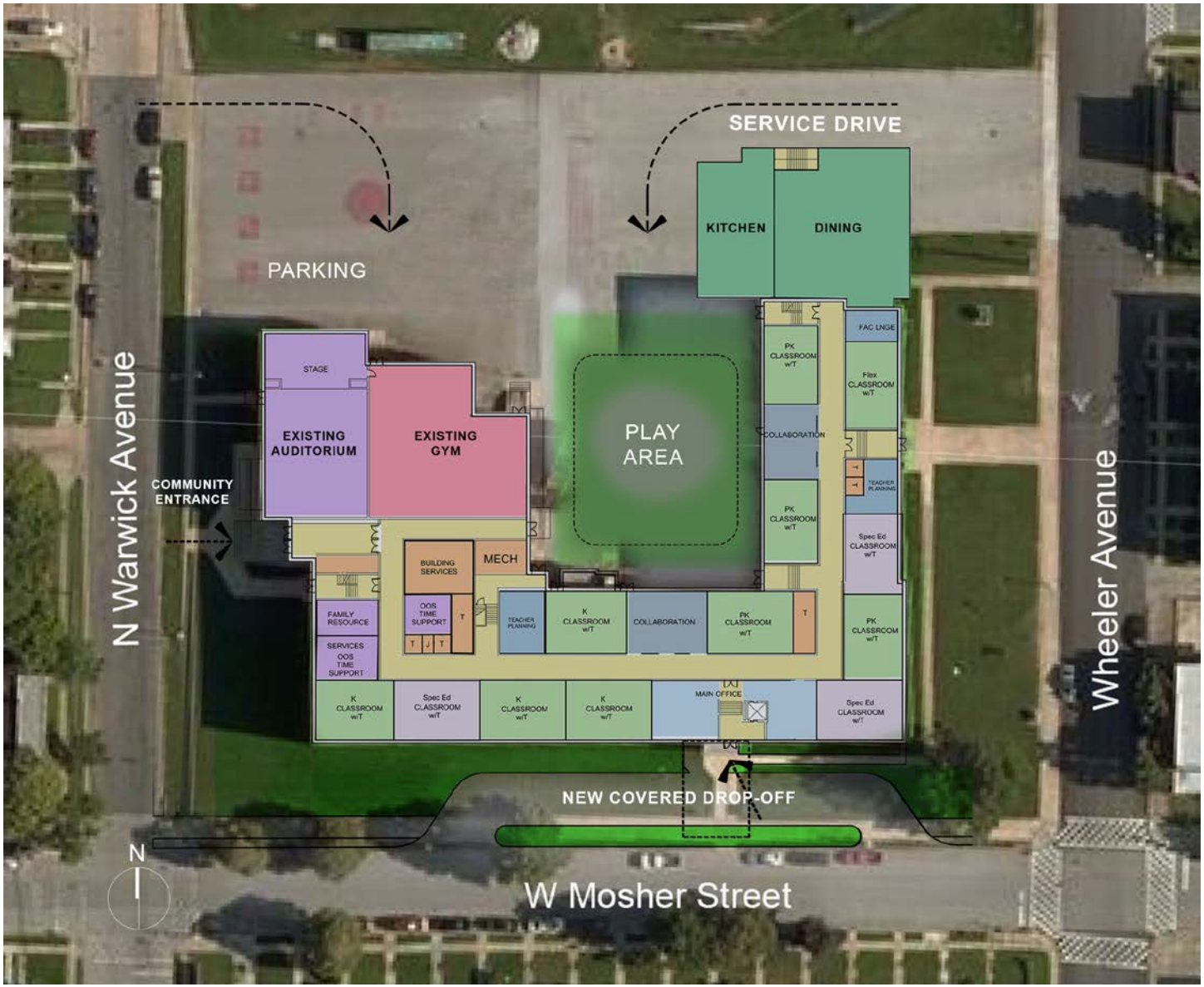


Planning
Option 1: Second Floor

Planning: Pros & Cons

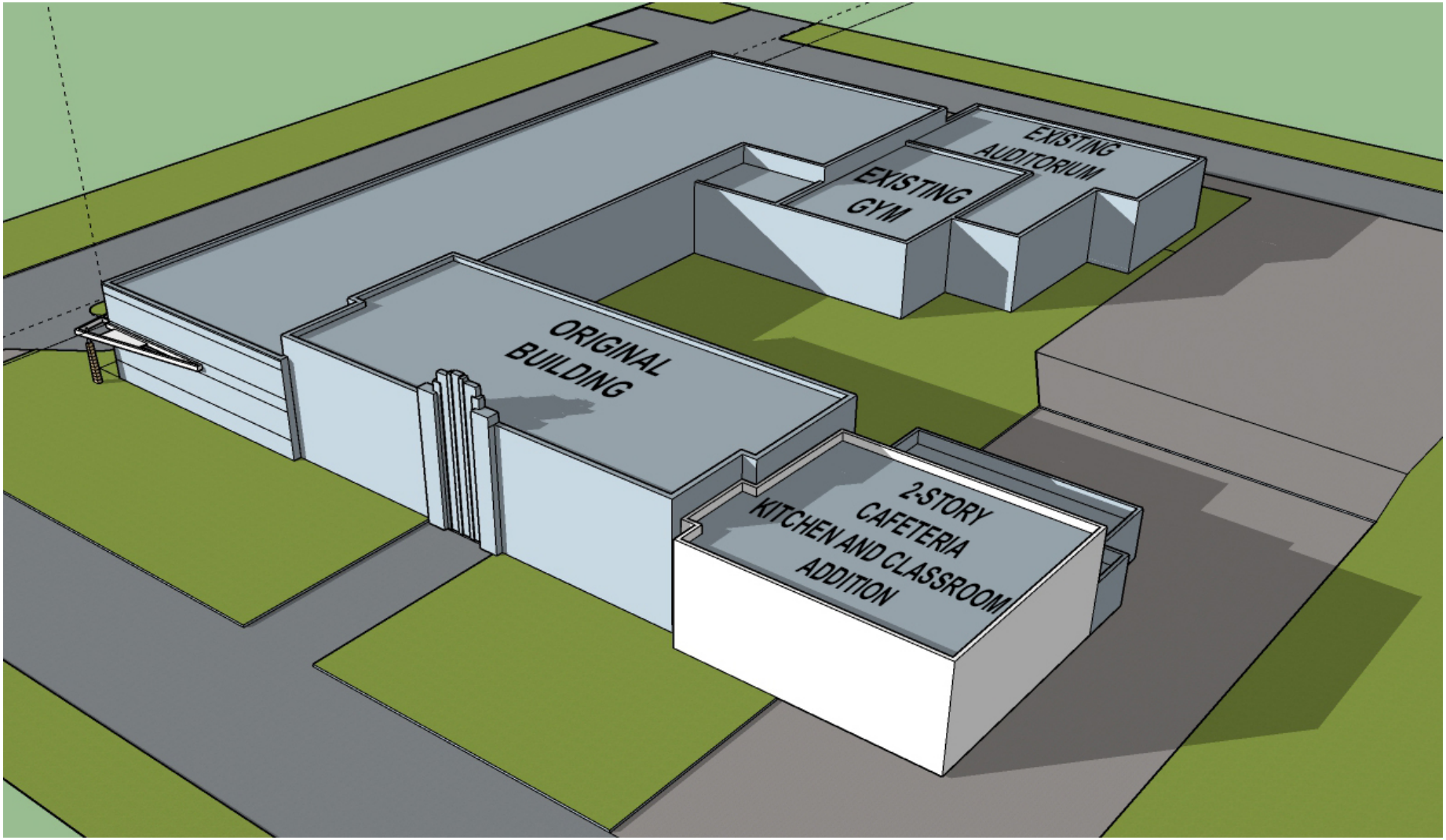
PROS	CONS
• Minimal demolition and new work – least expensive. • Provides protected drop-off and secure entry. • Provides separate community entrance. • Maintains existing auditorium.	• Does not separate service drive from playground. • Keeps undersized cafeteria – (-1,359 sf). • Keeps undersized kitchen – (-1,339 sf). • Keeps undersized gym (-1,120 sf). • Does not accommodate collaboration spaces. • No dedicated community /partner space

Planning
Option 2: First Floor



Planning
Option 2: Second Floor

Option 2:
Building Massing

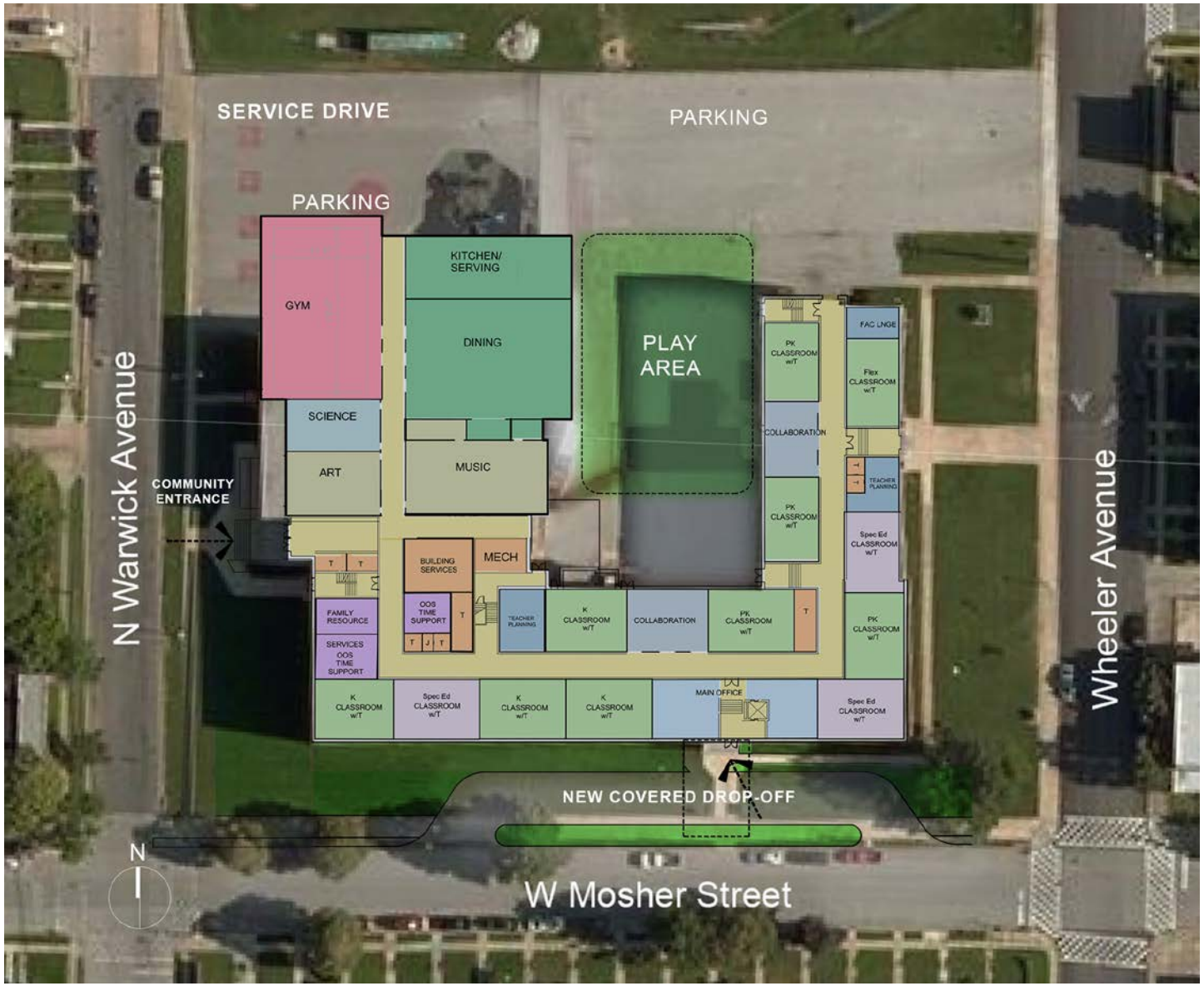


Option 2:
Pros & Cons

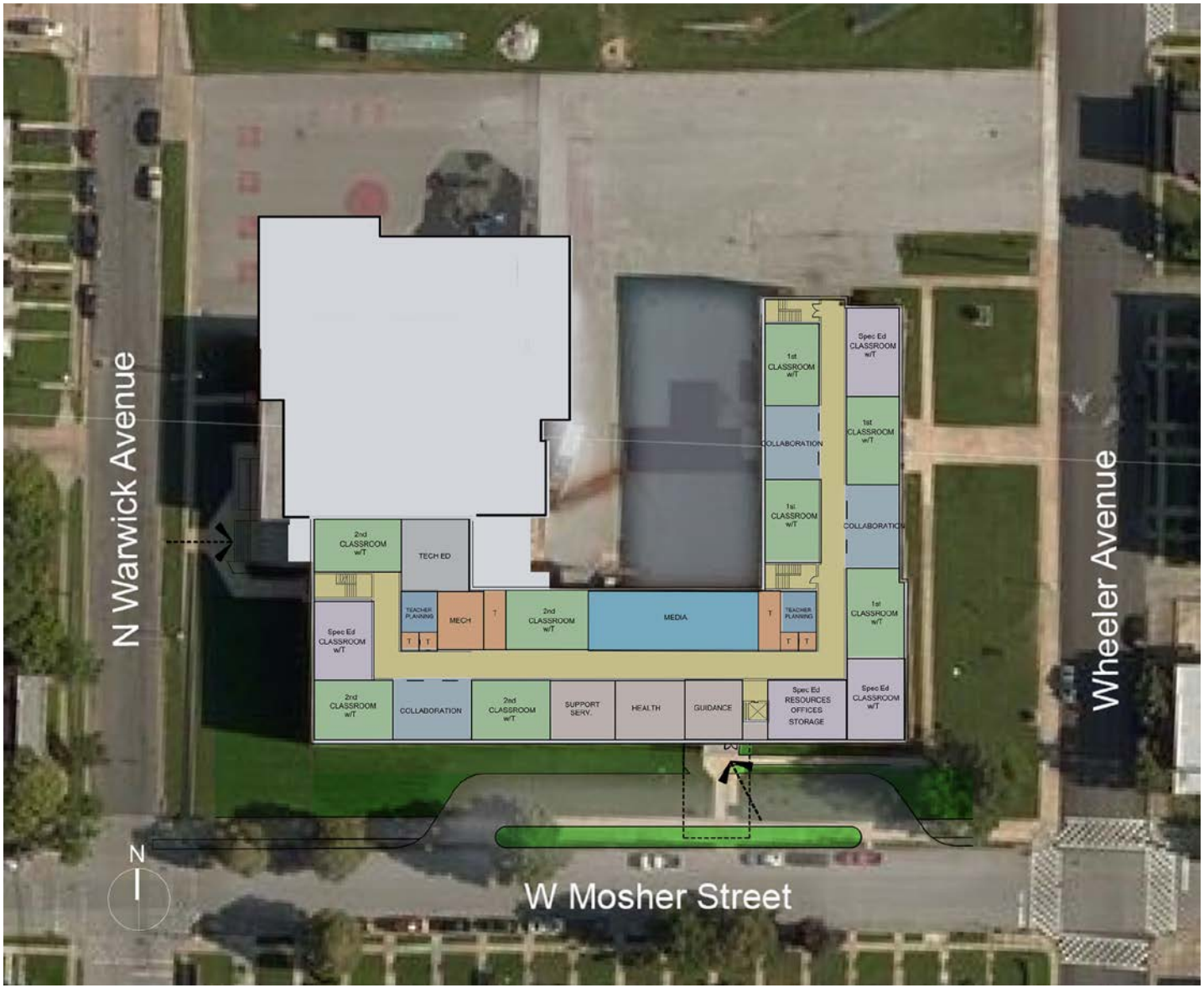
PROS	CONS
• Keeps the existing auditorium. • Separates service drive from playground. • Provides properly sized dining room and kitchen. • Incorporates collaboration spaces. • Allows for an expanded and secure outdoor play area in courtyard.	• Keeps undersized gym – (1,120 sf). • Requires a two-story addition.

Option 3:
Required Demolition

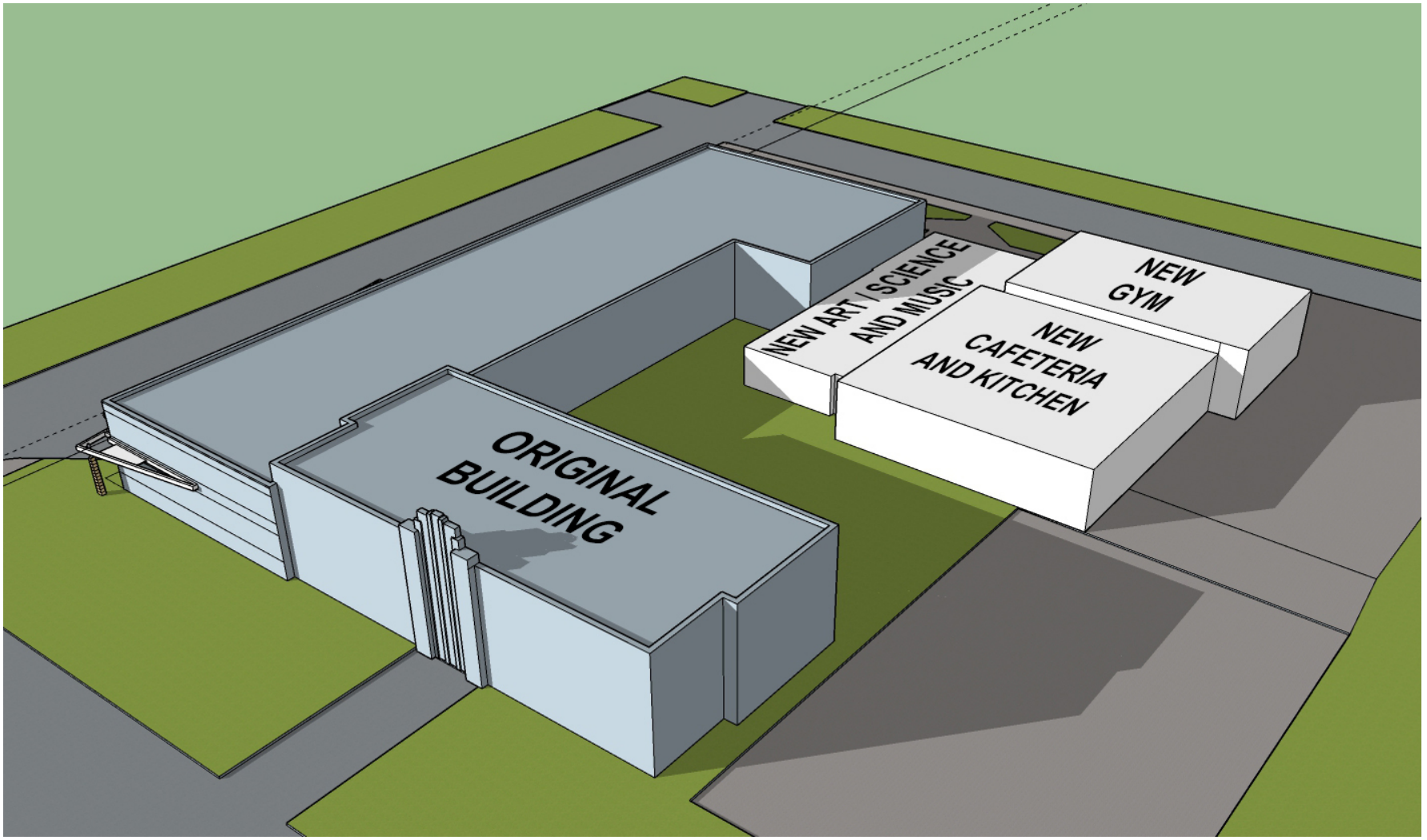
Planning
Option 3: First Floor



Planning
Option 3: Second Floor



Option 3:
Building Massing

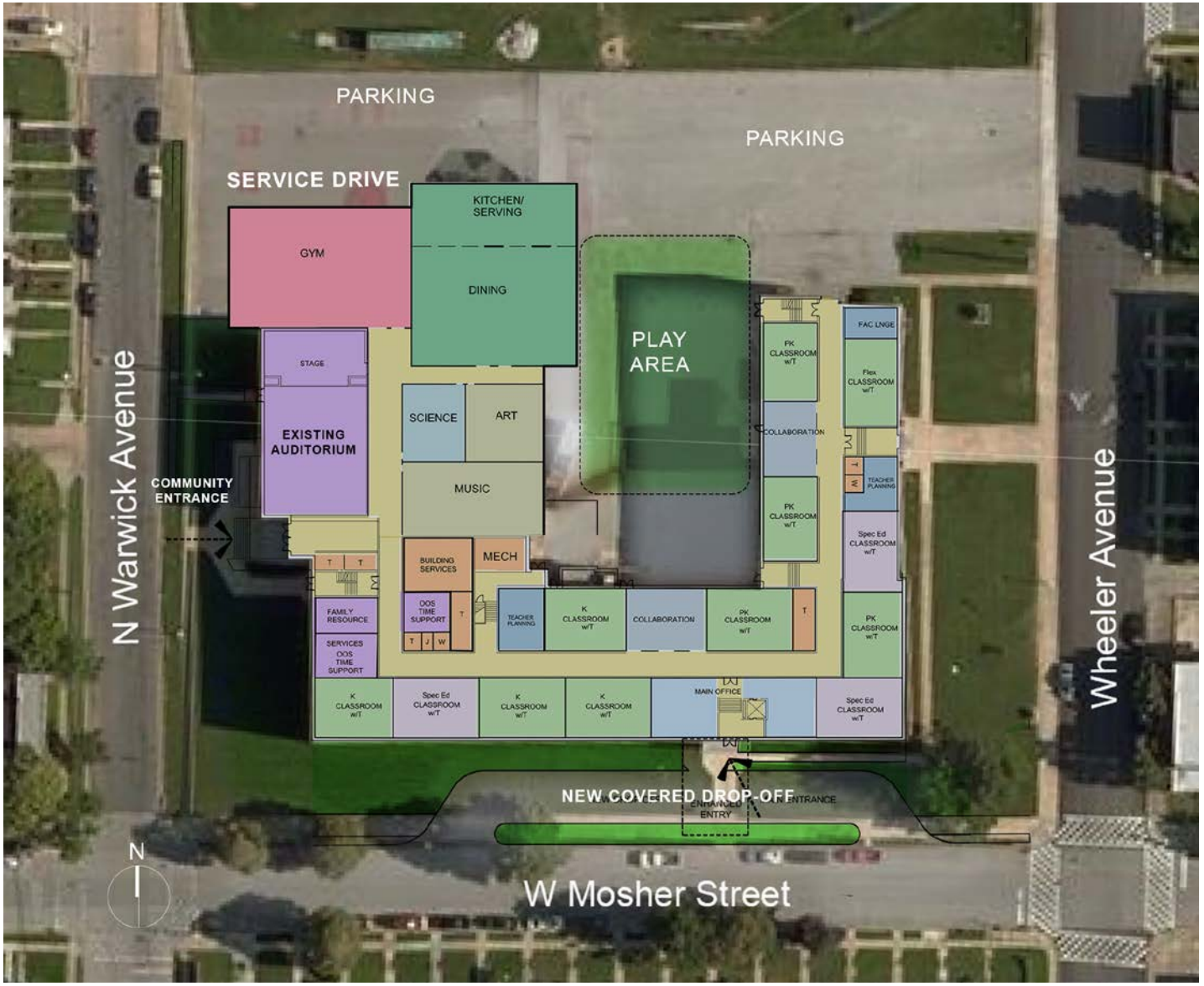


Option 3: Pros & Cons

PROS	CONS
• Separates service drive from playground. • Allows for an expanded outdoor play area in courtyard. • Provides easily serviceable kitchen, properly sized. • Provides properly sized gym. • Views to courtyard from dining. • Meets all space requirements of specifications. • Clusters community spaces together with easy access. • Single story additions.	• Maximum demolition required.

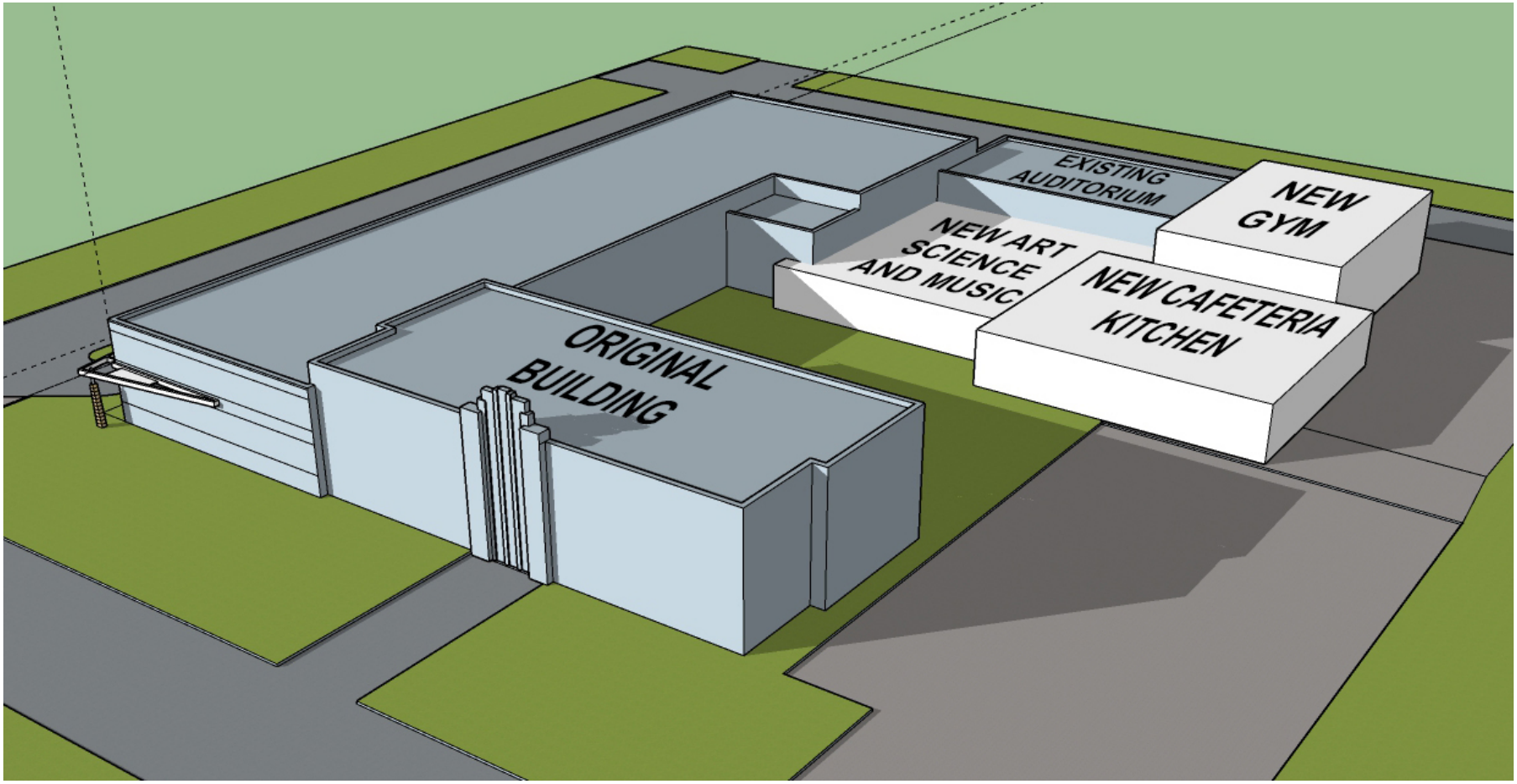
Option 4:
Required Demolition

Planning
Option 4: First Floor



Planning
Option 4: Second Floor

Option 4:
Building Massing



Option 4: Pros & Cons

PROS	CONS
• Separates service drive from playground. • Keeps the existing auditorium. • Allows for an expanded outdoor play area in courtyard. • Provides easily serviceable kitchen, properly sized. • Provides properly sized gym. • Easy access between gym and outdoor play area. • Meets all space requirements of specifications. • Clusters community spaces together with easy access. • Single story additions.	• Maximum demolition required.

Pre Design

Dates subject to change*

Planning : 6-8 months (8-12 months) → Pre-Design: 2-4 months Winter 2018

Feasibility Review

- School stakeholders provide feedback on building recommendation, June*
- City Schools staff review stakeholder recommendation and other criteria
- 21st Century staff work with MOU partners to finalize recommendation

Selection

- Board of School Commissioners Approval, June*
- Notification to Maryland Stadium Authority
- Interagency on School Construction Approval
- Design Architect/Engineer Request for Proposal
- Award A/E and construction managers

Design

Dates subject to change*

Planning : 6-8 months | Pre-Design: 2-4 months | Design: 10-12 months

18-24 months

Winter 2018

Design: 10-12 Months

Meeting #5

Concept

Meeting #6

Schematic

Meeting #7

Design Development

Meeting #8

Final Drawings

Questions

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Thank You!

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