21st Century School Buildings Plan

SCHOOL Robert Colemen Elementary School

COMMUNITY MEETING Orientation| October 25, 2017

Introductions and Agenda

Introductions

Nicole Price
Community & Public Relations Director
21st Century School Buildings Program

Emily Sherman
Transition Support Coordinator
21st Century School Buildings Program

Agenda

Introductions

21st Century Buildings Overview
- History & Funding
- Partnership & Responsibilities
- Terminology

Feasibility Study Overview
- Walter P. Carter Example
- Timeline

Community/Partnership Space

Next Steps

21st Century School Buildings Vision

- Invest to support academic success for all students
- Maximize fiscal responsibility and stewardship of resources
- Engage school communities to inform the creation of excellent school buildings for their students
- Align school buildings with demographics trends, enrollment trends, and parent and student choices
- Invest to have maximum impact on community stability, growth, or development
- Provide diverse options in every geographic area of the city
- Create school buildings on the cutting edge of technology and environmental sustainability

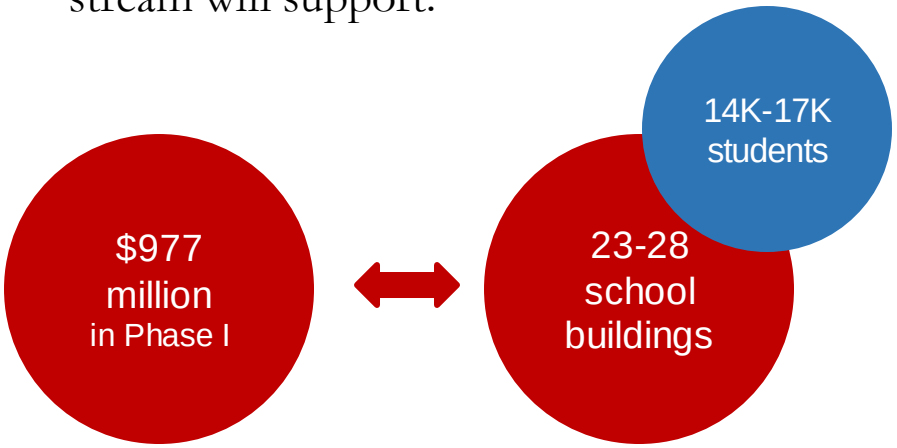
21st Century School Buildings Program Update

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.

Overview:
Partnership Structure

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.

Sample:
Educational Specification

Sample Classrooms and Space Summary

(4) classrooms for PreK and K	(1) Technology Lab
(4) classrooms for grades 1 and 2	Gym
(6) classrooms for grades 3, 4 and 5	Café
(6) classrooms for grades 6, 7, and 8	Media Center
(5) collaborative learning areas	Administrative, Health Suite
(1) art room	Student Services
(1) music room	Community Spaces

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

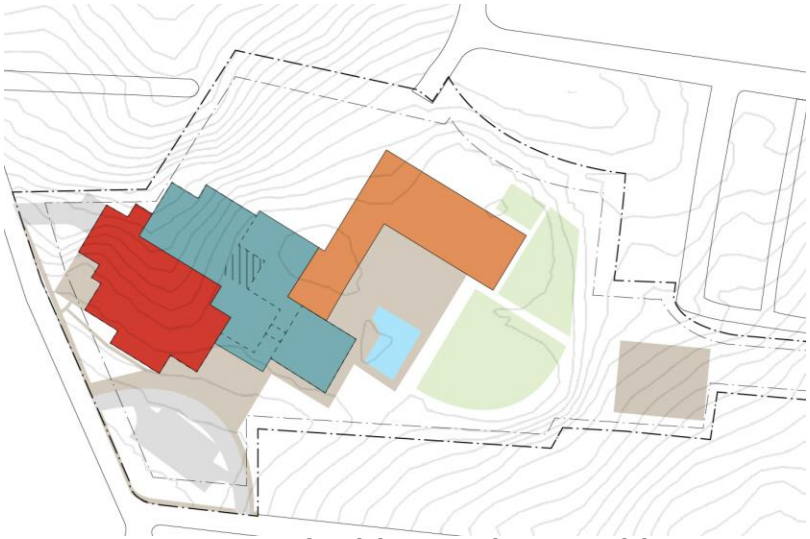
Budgets, including Forty-Year Life Cycle, and schedule for all options

Sample: Feasibility Study

Option 1: Existing building upgrades with new addition. Pool remains.

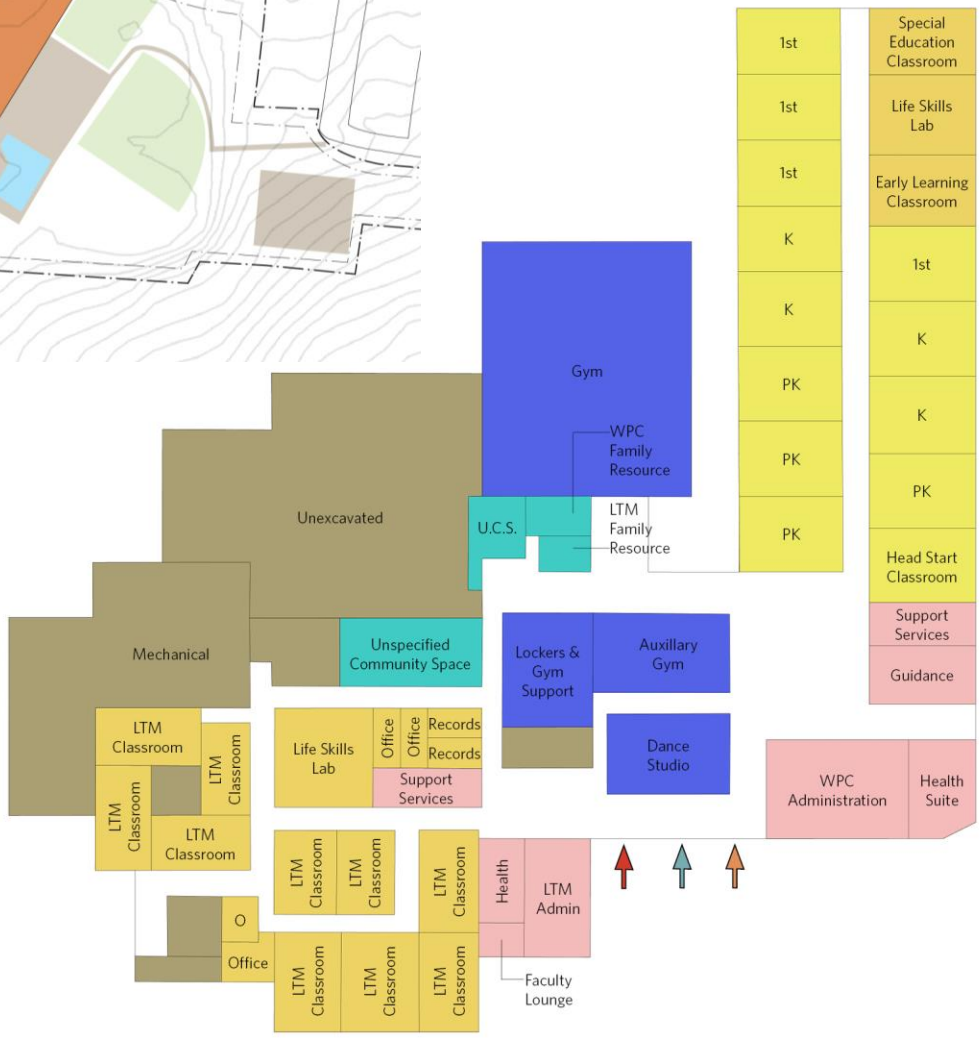
Option 2: Existing building with new addition. Pool remains.

Option 3: New school building. Pool remains.



Option 4: Existing building with new addition. Pool and Rec Center remain.

Sample:
Feasibility Study



Feasibility Study Timeline

BALTIMORE

21st Century School Buildings Program
Feasibility Study Process

PLANNING 8 months | **PRE-DESIGN** 2-4 months | **DESIGN** 12-18 months | **CONSTRUCTION - OCCUPANCY** 18-24 months

1 2 3 4 5 6 7 **8** 9 10 11 **12** 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 **30** 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 **54**

PLANNING MONTHS

1st Month | 2nd Month | 3rd Month | 4th Month | 5th Month | 6th Month | 7th Month | 8th Month

PRE-PLANNING

Development of Site-Specific Educational Specifications (Ed Specs)
- Summary of spaces developed
- Enrollment projections determine capacity
- Ed Spec prototype is chosen based on capacity
- Special programs are incorporated
- Grade structures are considered
- Portfolio Review Board actions are considered

Request for Proposals
RFP containing summary of spaces from Site Specific Ed Specs goes out to identify feasibility study architect

ESSENTIAL ELEMENTS: Meeting #2

- Learn process and timeline
- Gain understanding of Site Specific Ed Specs
- Prioritizes needs through interactive activities

Architect is Awarded

KICK-OFF MEETING

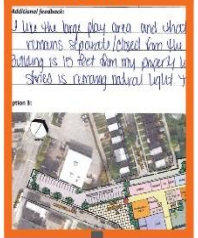
Architect Reviews
- Ed Specs
- Enrollment
- Conducts Site Visit

Architect produces 50% Feasibility Study

50% FEASIBILITY STUDY: Meeting #3

95% FEASIBILITY STUDY: Meeting #4

School Community provides feedback on all options



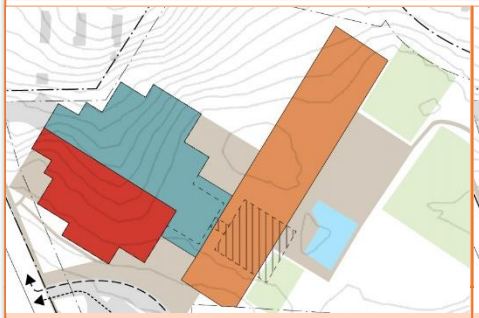
Feedback is shared with the Architect

Architect considers feedback to develop 95% Feasibility Study

STUDY SELECTION

Vetted internally:
- School Community Feedback is considered
- Architect's Pros and Cons are considered

Option 1



Building

- Separate entrances for each school
- L.T. Murray & W.P. Carter populations separated

Site

- Existing fields are mostly retained

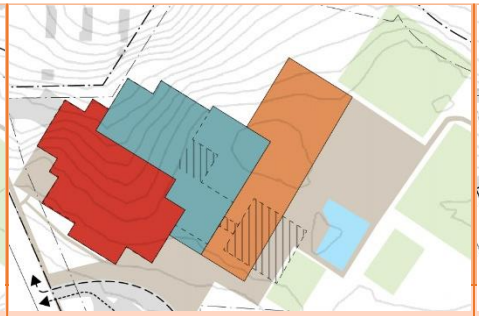
Cons
Building

- Some classrooms are undersized
- Some classrooms have no natural light
- Second floor Cafeteria and Loading

Site

- No expansion of existing drop-off and parking area
- Sense of open green space is diminished

Option 2



Building

- Separate entrances for each school
- Natural light in all classrooms

Site

- Existing fields are mostly retained
- Retains sense of open green space

Cons
Building

- Second floor Cafeteria and Loading
- Natural light can not be added to some spaces without the addition of atriums or skylights

Site

- No expansion of existing drop-off and parking area

Option 3

Building

- All classrooms have natural light
- All spaces meet education size requirements
- L.T. Murray & W.P. Carter populations fully separated
- Separate entrances for each school and Community use
- Clear demarcation between Community/Shared zone and school areas for afterhours uses

Site

- Retains sense of open space
- Existing fields are mostly retained
- Extended bus drop-off lane and separate parent drop-off & parking
- Enhanced pedestrian access

Cons
Building

- Second floor Cafeteria and Loading (same as existing)

Option 4

Building

- Separate entrances for each school
- Natural light in all classrooms

Cons
Building

- Second floor Cafeteria and Loading
- Natural light can not be added to some spaces without the addition of atriums or skylights
- Long travel distance for some students to cafeteria
- 3 story WPC addition closer to neighborhood houses

Site

- No expansion of existing drop-off and parking area
- Some existing fields are removed
- Sense of open green space is diminished

Overview: Community Partnership Space

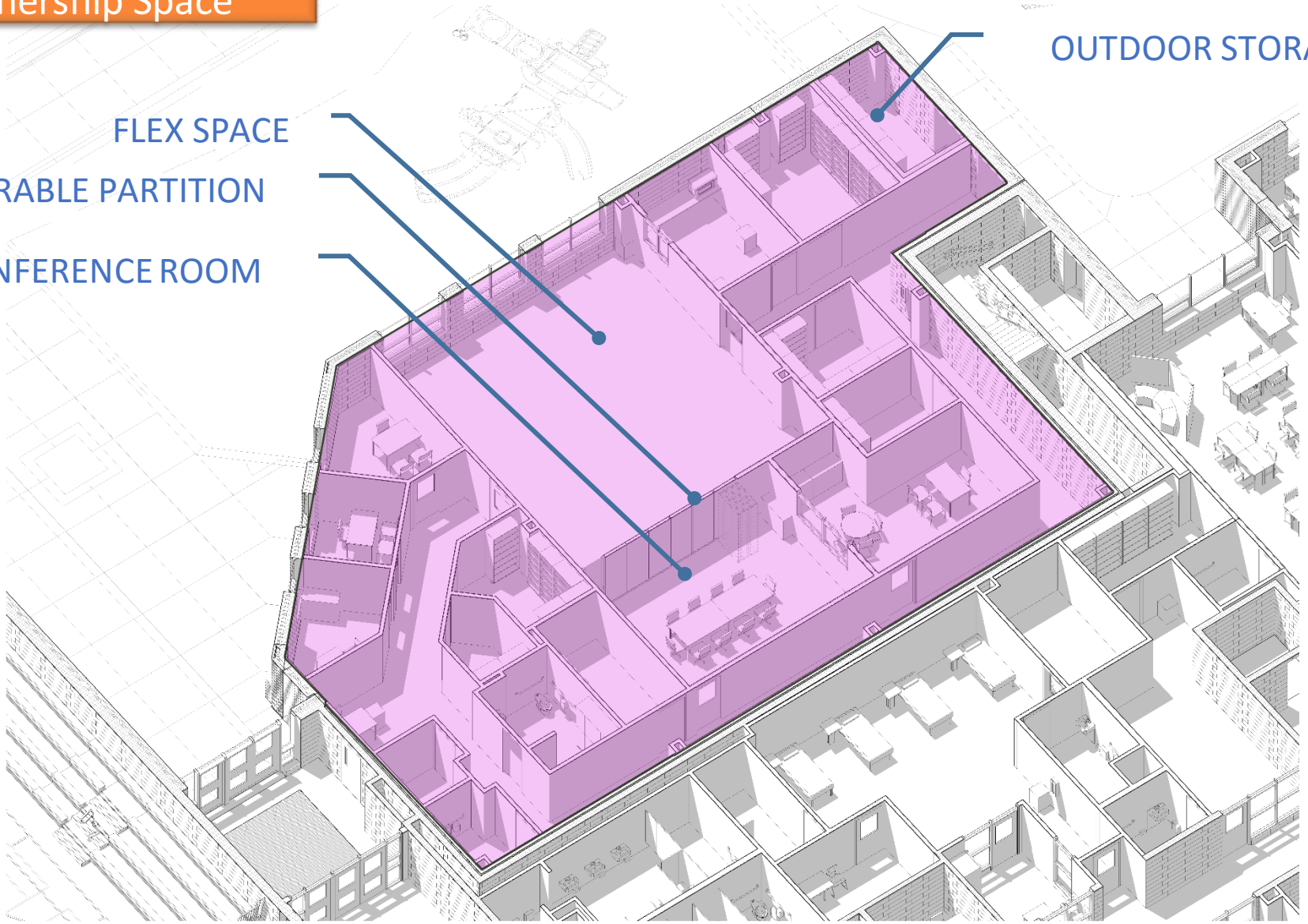
City Schools holds as a core belief that …

"Spaces in the school should be designed to support community partnering and involvement. After-hours use should be both a goal and a reality for each building, as the resources community institutions bring to students after school hours can support school success and the school can provide much needed space for community programs that help build community success."

Examples of community resources and partnerships in schools…

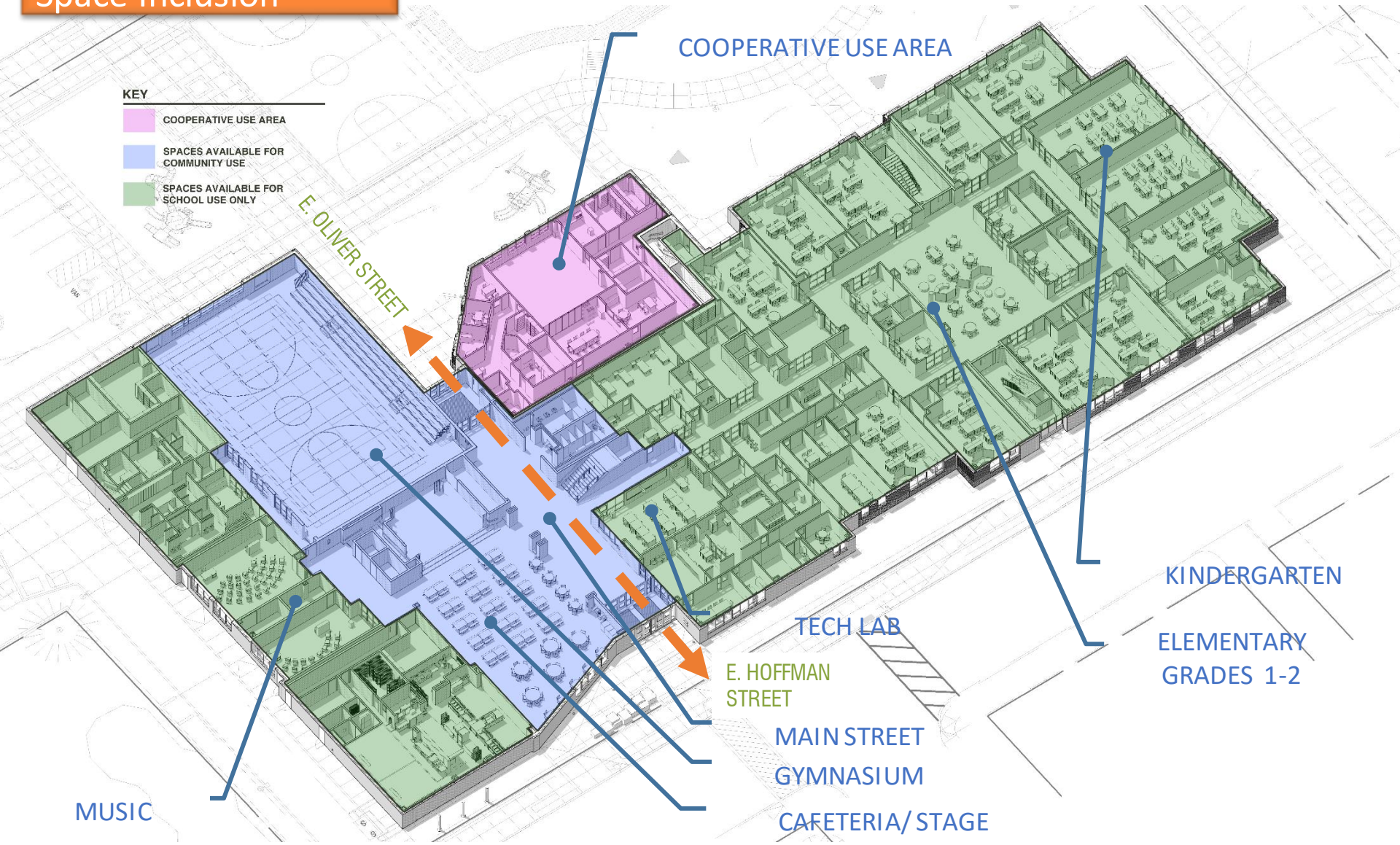
Non-City run Daycare or Pre-School Programs	**Health Suites**	**Food Pantry**	**Mental Health Services**	**Family Support Services**

Sample: Community Partnership Space



Fort Worthington Sample Community/Partnership Space

Sample: Shared Space Inclusion



Overview: Pre Design

Dates subject to change

Planning : 6-8 months → Pre-Design: 2-4 months

(8-12 months)

Feasibility Review

- School stakeholders provide feedback on building recommendation, January
- 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, February
- Notification to Maryland Stadium Authority
- Interagency on School Construction Approval
- Design Architect/Engineer Request for Proposal
- Award A/E and construction managers

Overview: Design

Dates subject to change

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

18-24 months

Summer/Fall 2018

Design: 10-12 Months

Meeting #5

Concept

Meeting #6

Schematic

Meeting #7

Design Development

Meeting #8

Final Drawings

Next Steps
Planning Process:

Dates subject to change

Educational Specification & Feasibility Study

Planning: 6-8 Months
August 2017 – February 2017

Dates subject to change

Meeting #1
Orientation

1. Review process
2. Learn key terms
3. Interactive activity

October 25, 2017

Meeting #2
Essential Elements

1. Explore essential elements of design

November 8, 2017

Meeting #3
50% Feasibility Study

1. Review site & building options
2. Provide feedback

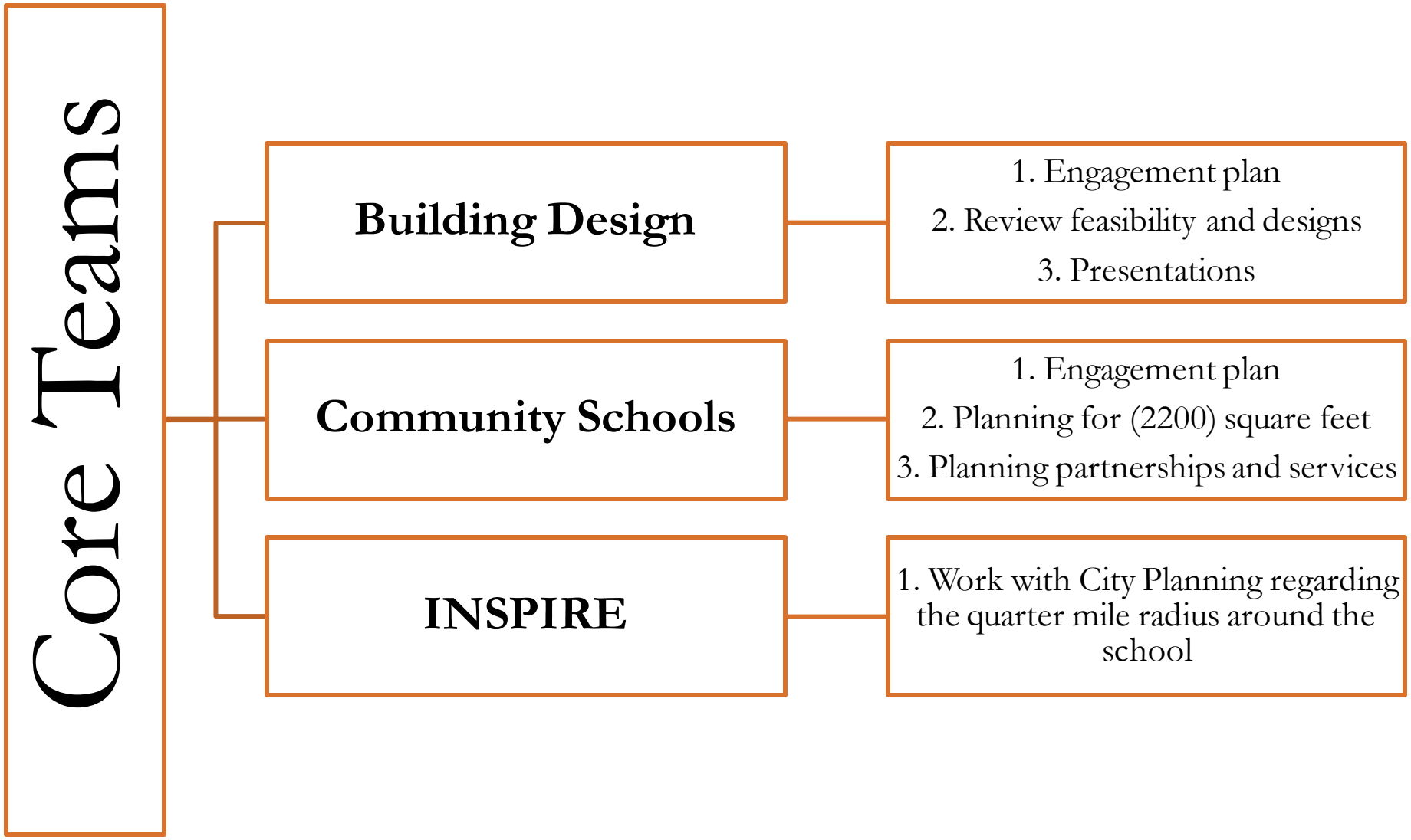
December 20, 2017

Meeting #4
Feasibility Review

1. Make recommendation on building option

January 2017

Next Steps: Engagement



Questions?

CONTACTS

Nicole Price
nprice@bcps.k12.md.us

Emily Sherman
esherman@bcps.k12.md.us

21st Century School Buildings Program Office
(443) 642-4600

www.baltimore21stcenturyschools.org

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21st Century School Buildings Program
Baltimore City Public Schools
200 East North Avenue Room 407-B
Baltimore MD 21202
(443) 642-4600

Mignon R. Anthony
Executive Director, 21st Century Buildings Program
Baltimore City Public Schools

Gary McGuigan
Senior Vice President, Capital Development Division
Maryland Stadium Authority

James T. Smith, Jr.
Chief of Strategic Alliances
City of Baltimore

Robert Gorrell
Executive Director, Public School Construction Program
State of Maryland