

# Springfield High School

Springfield School District  
Delaware County - Pennsylvania

## Master Plan Presentation Town Hall Meeting 4

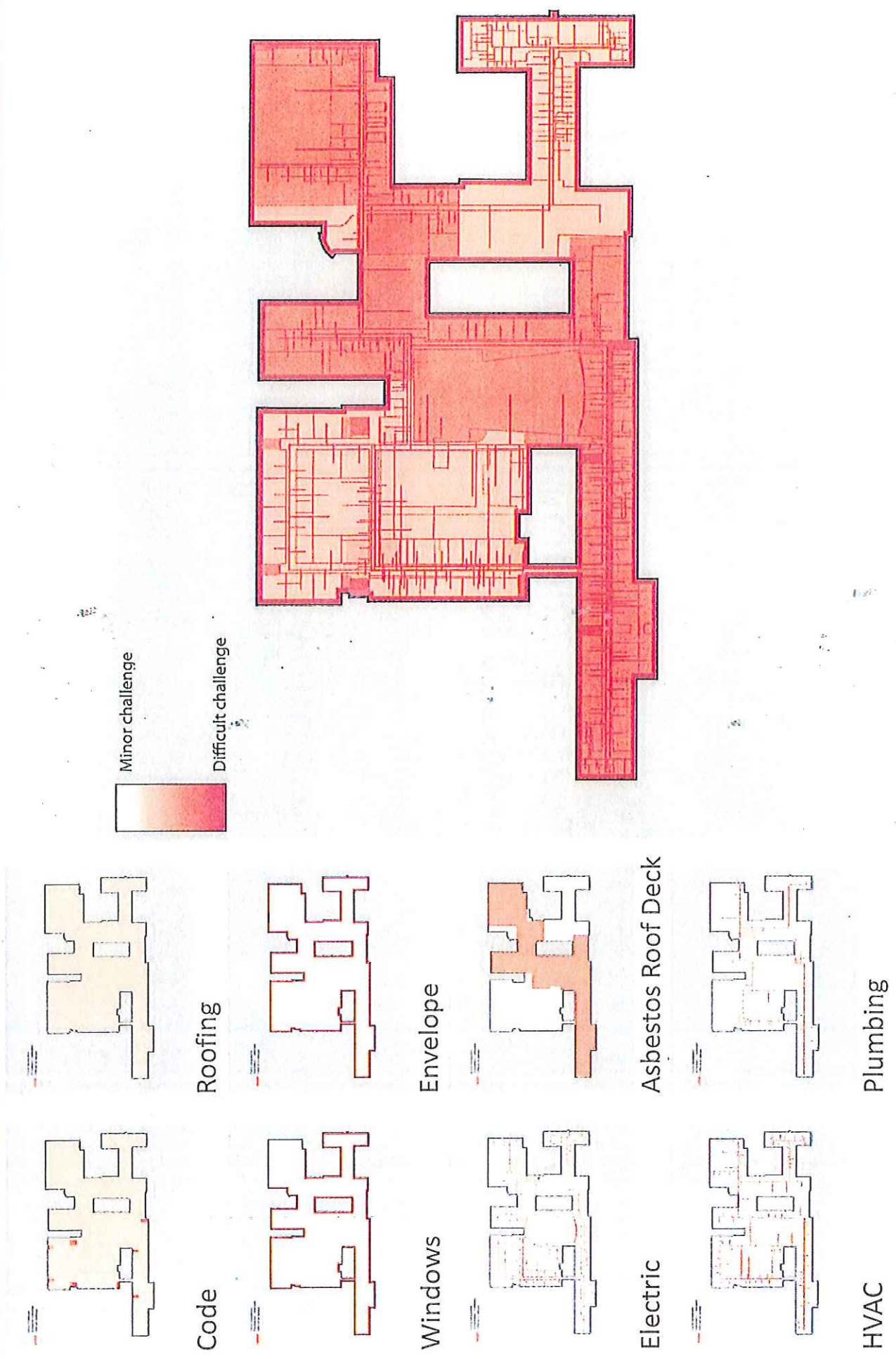
Community / Academic / Athletics and Recreation / Sustainability

January 14th, 2015

43

## Town Hall Meetings

- **Town Hall Meeting 1 (October 16<sup>th</sup>, 2014)**  
Repeat Presentation of May 22, 2014 Board Meeting
- **Town Hall Meeting 2 (November 13<sup>th</sup>, 2014)**  
Existing Building / Right-Sizing / Education Model
- **Town Hall Meeting 3 (December 11<sup>th</sup>, 2014)**  
Phasing / Traffic and Parking
- **Town Hall Meeting 4 (January 14<sup>th</sup>, 2015)**  
Community/ Academic / Athletics and Recreation / Sustainability
- **Town Hall Meeting 5 (February 4<sup>th</sup>, 2015)**  
Financial Options / Cost Options / Tax Impact
- **Town Hall Meeting 6 (March 19<sup>th</sup>, 2015)**  
Recap / Summary / Options for Moving Forward



## Town Hall Meeting 4

Community / Academic / Athletics and Recreation / Sustainability

### Presentation Outline

- **Community Benefits**

Access to Shared Spaces as Community Resource

Town Green / Athletics and Recreation

- **Academic Impacts**

Disruption

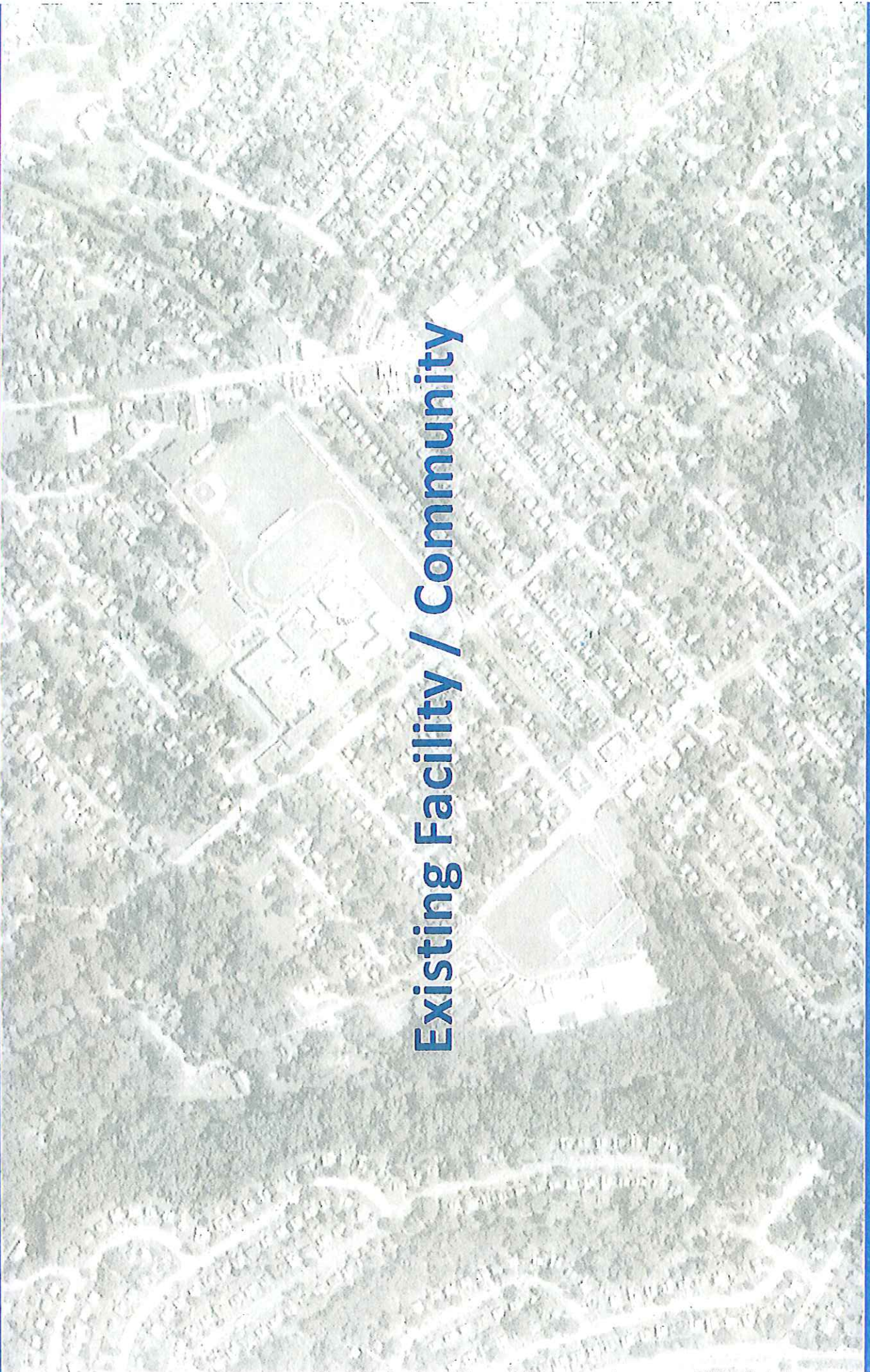
- **Regulatory / Sustainability**

Zoning

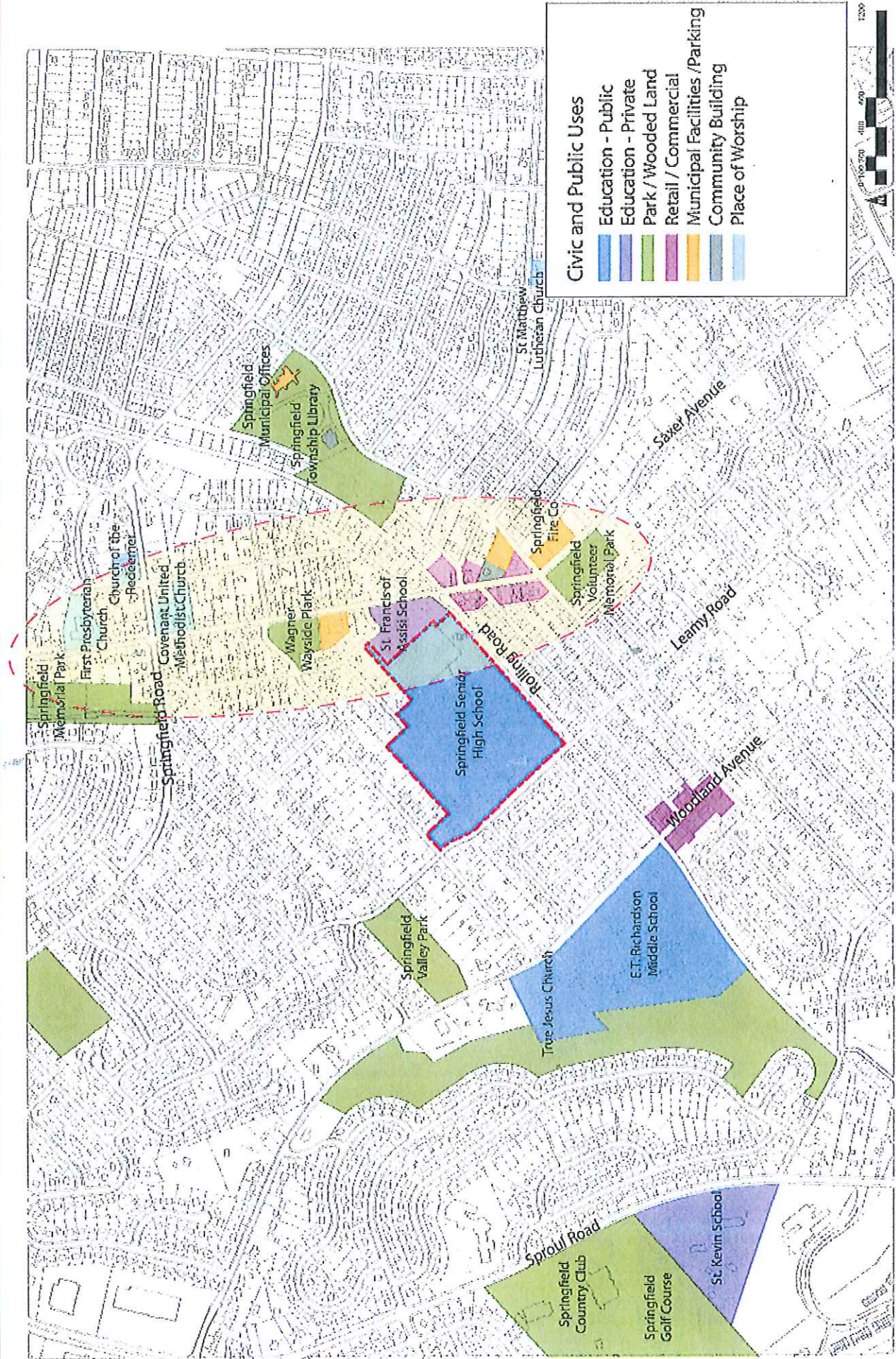
Sustainability / Stormwater Management

- **Discussion**

# Existing Facility / Community









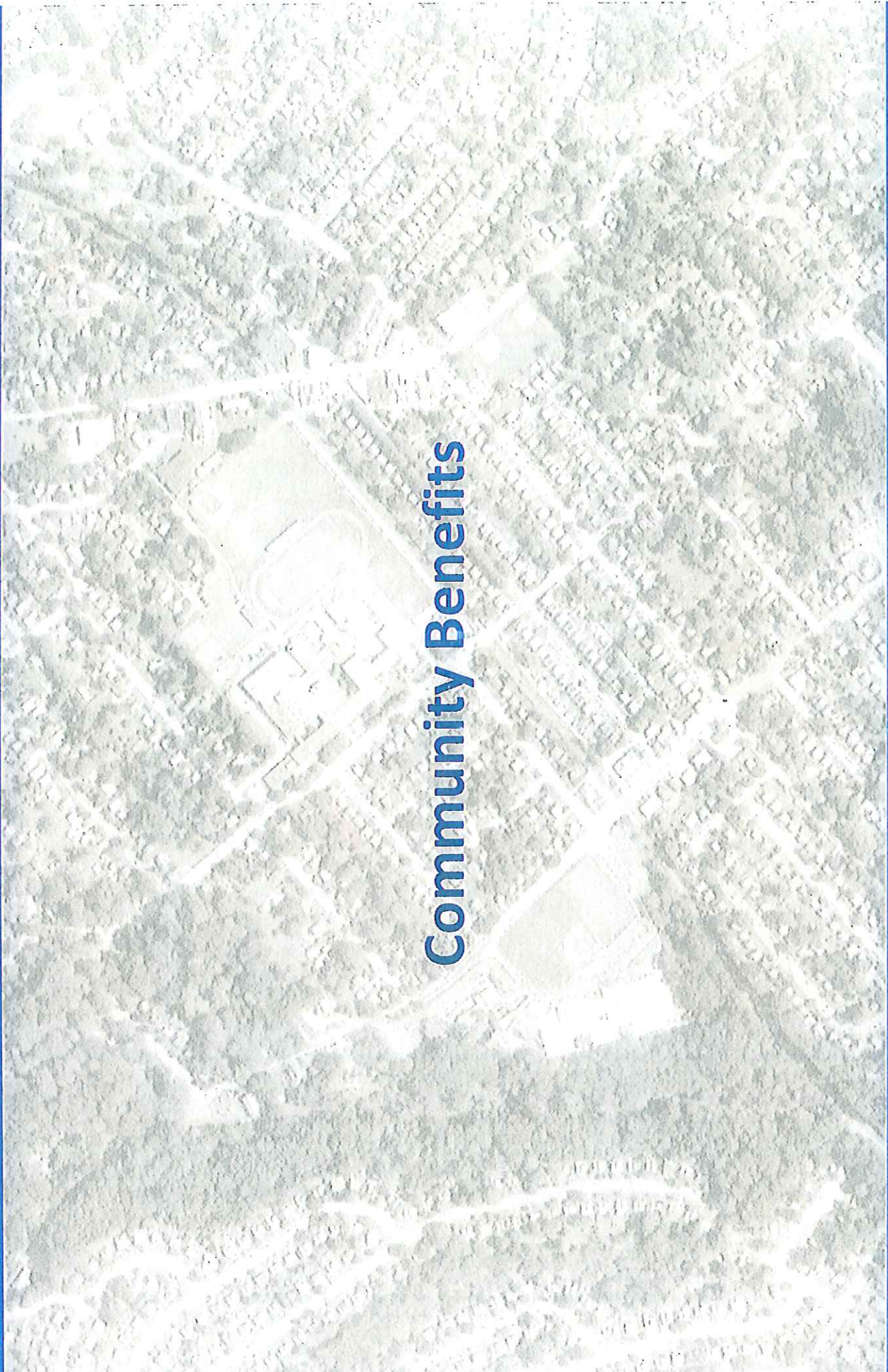
## Four Options Compared

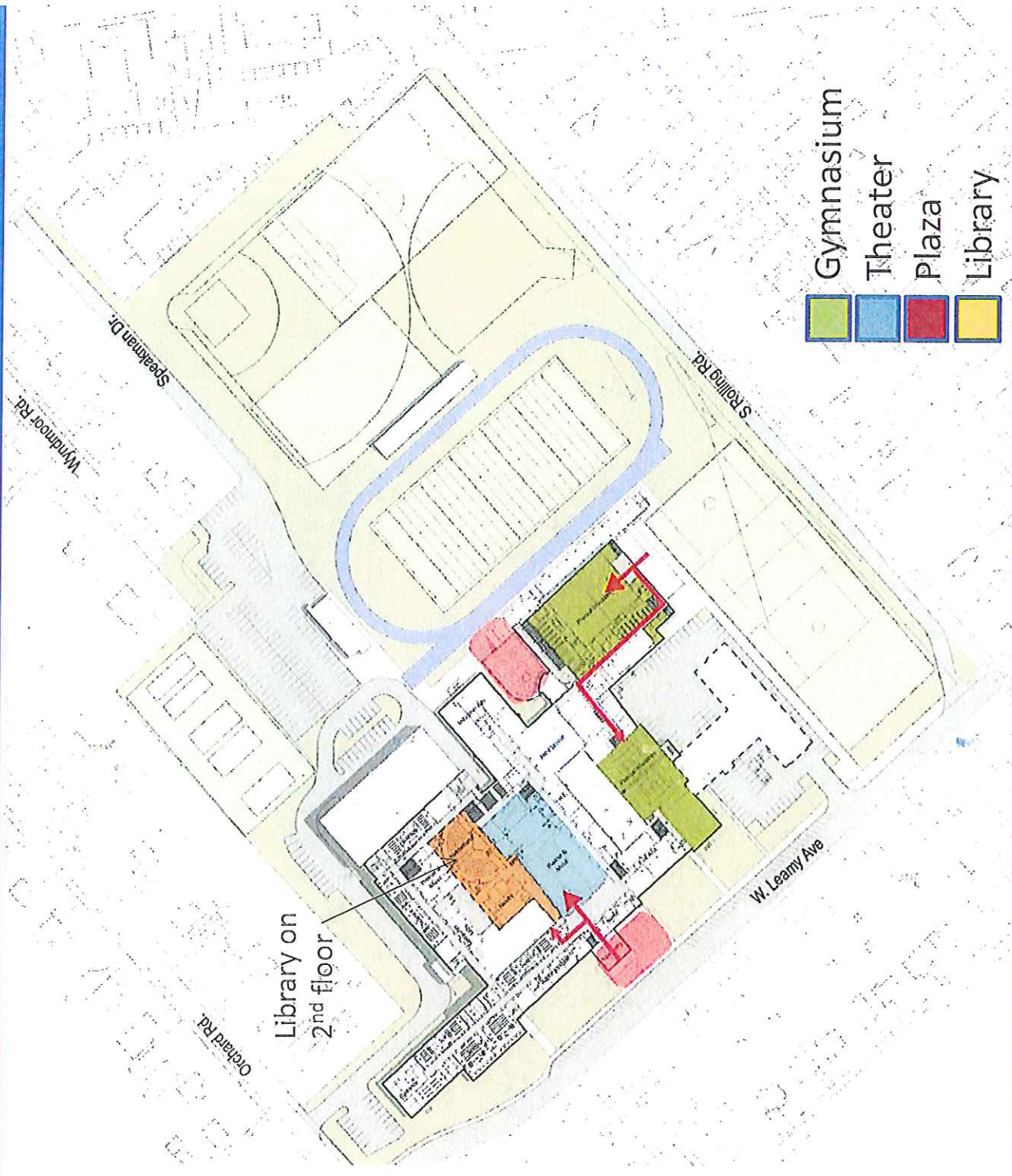
### Detailed Review for Phasing / Cost

- Maintain Existing Building – (Service Life Extension)
- Renovate Existing Building
- Leamy Ave. New Building
- Saxer Ave. New Building

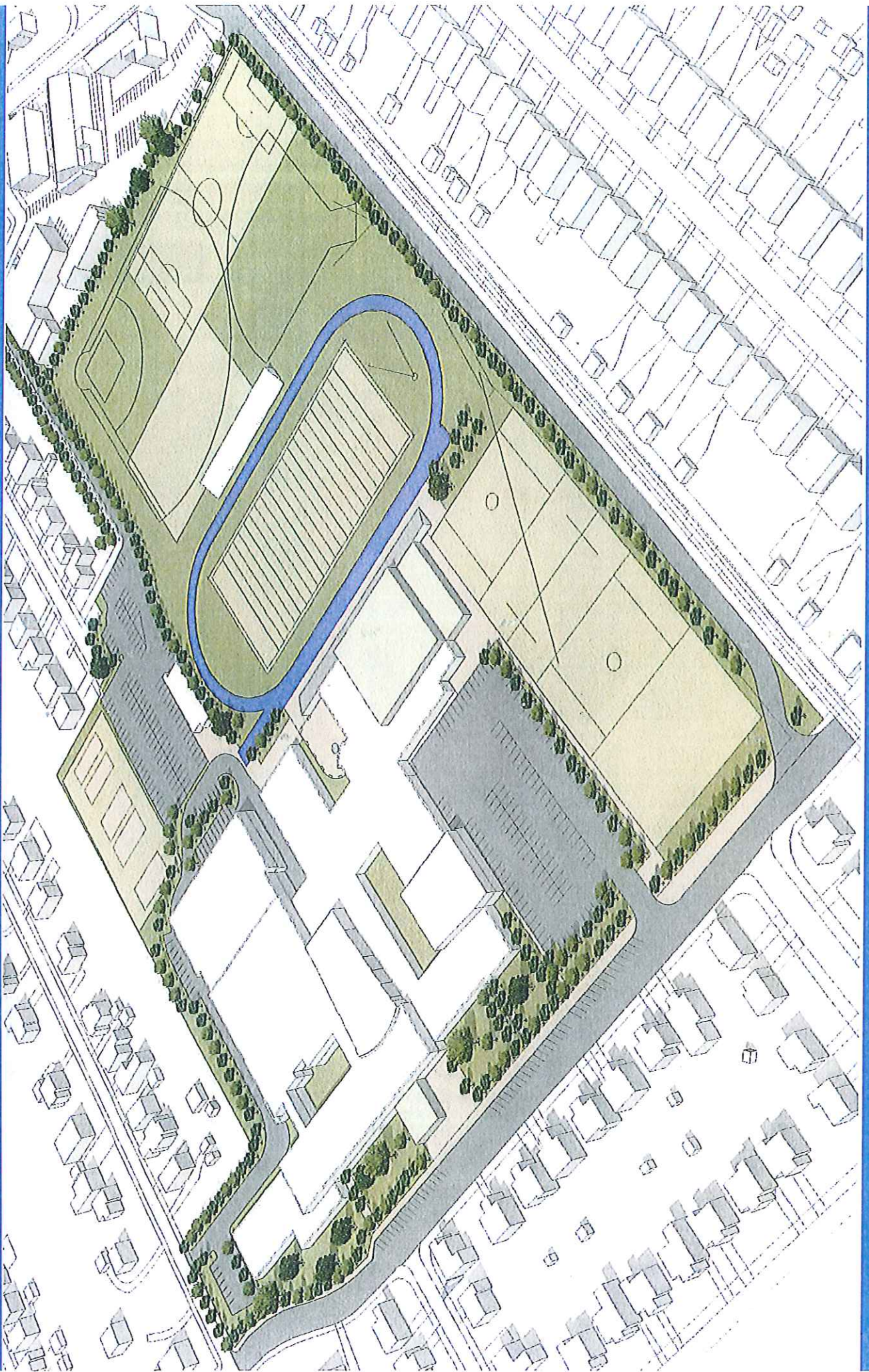


# Community Benefits

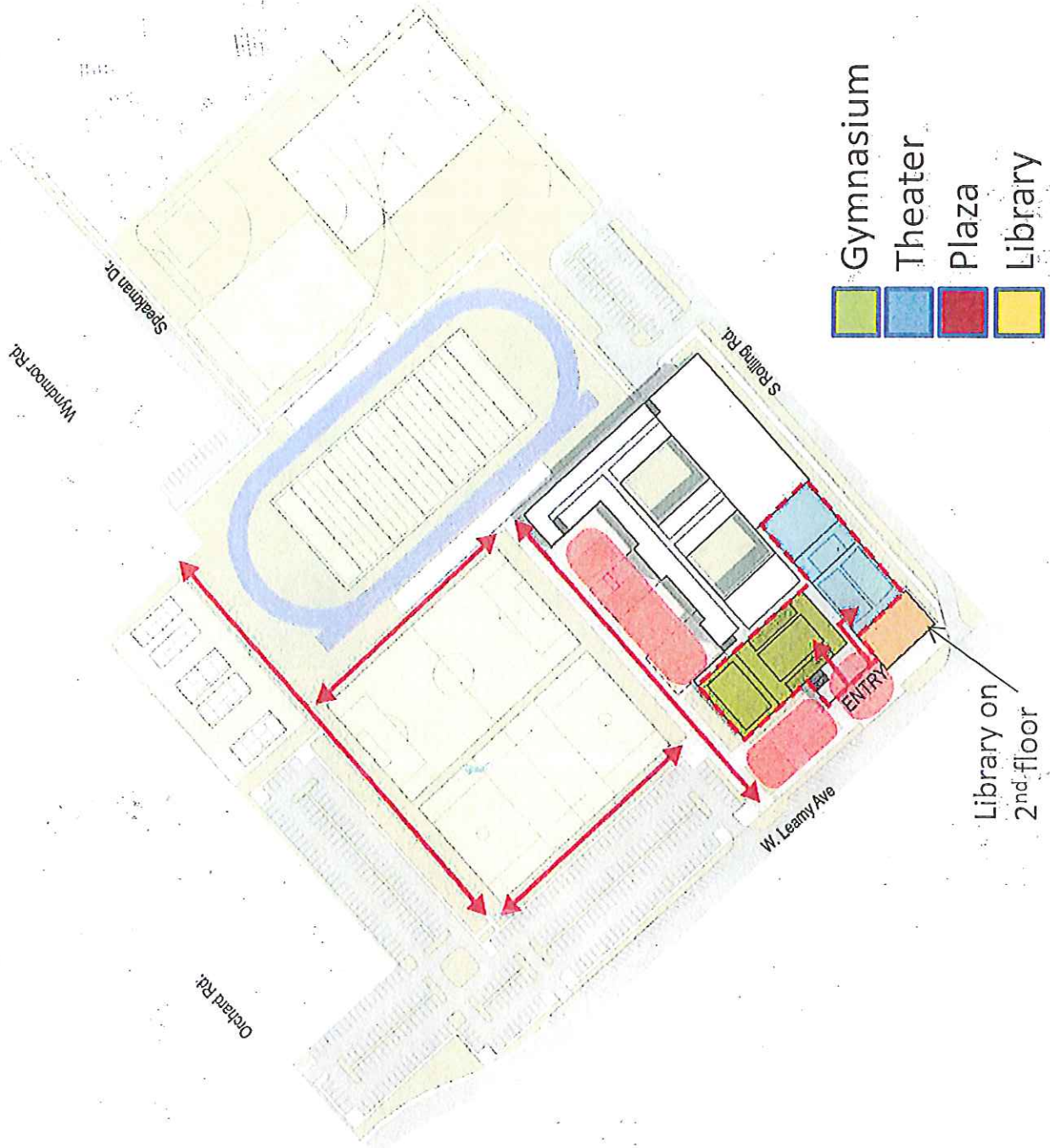




- Gymnasium
- Theater
- Plaza
- Library

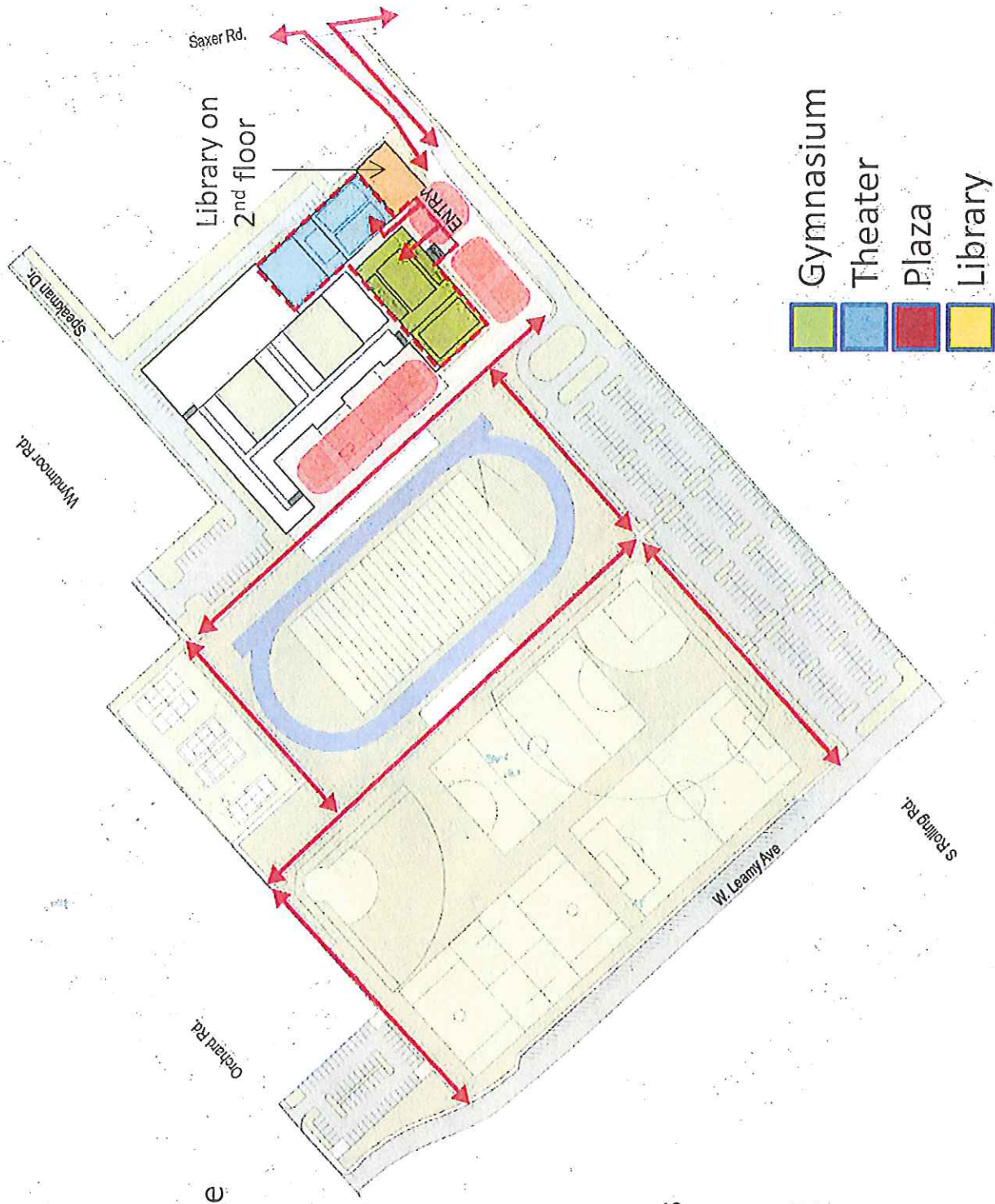


- Public Facilities such as Gym, Theatre and Library are grouped near entry.
  - Ease of entry for large events
  - Allows public functions to be secured from classrooms
- New Public Plazas create social spaces for community and places to gather during large events
- Paths throughout the site connect fields with school and neighborhood.





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  - Ease of entry for large events
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- Paths throughout the site connect fields with school and neighborhood.
- Connection to Downtown

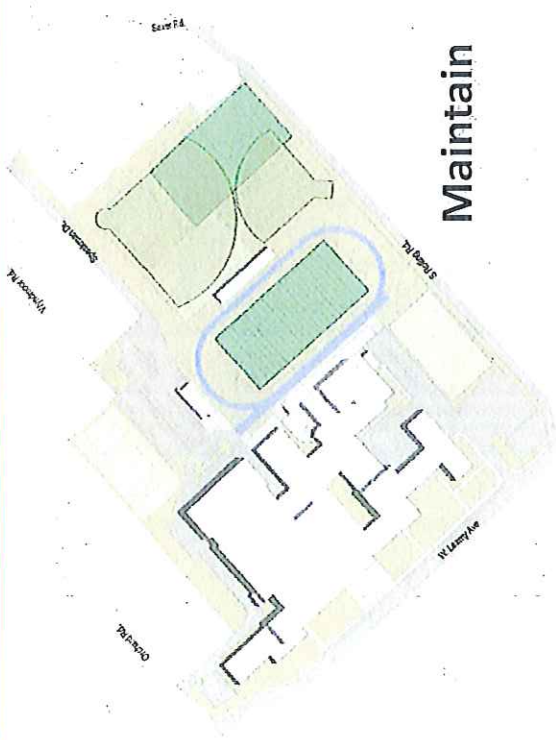




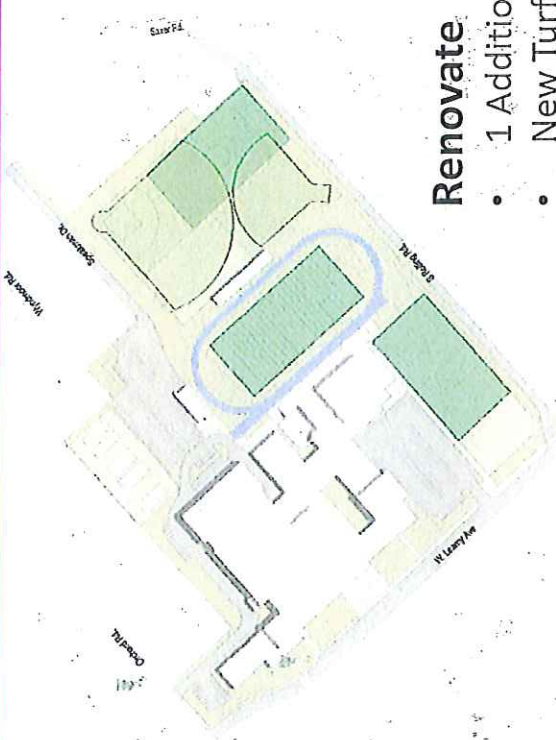


District / Community Field	# of Teams	# of Participants
High School Stadium Field	13	500
High School Baseball Field	4	68
High School Field Hockey Field	4	116
High School Bus Lot Field	2	167
ETR - Baseball Field	3	113
ETR - Lower Soccer/Lacrosse Field	5	138
ETR - Upper Soccer Field	2	33
Sabold - Back Field Multi Use	20	325
Scenic - Softball / Soccer Field	9	115
Halderman Front Field	13	193
Halderman Back Field	8	182
Old Central	10	160
Veterans Memorial Park	1	18
Crowell Park	1	16
<b>Totals</b>	<b>95</b>	<b>2,144</b>



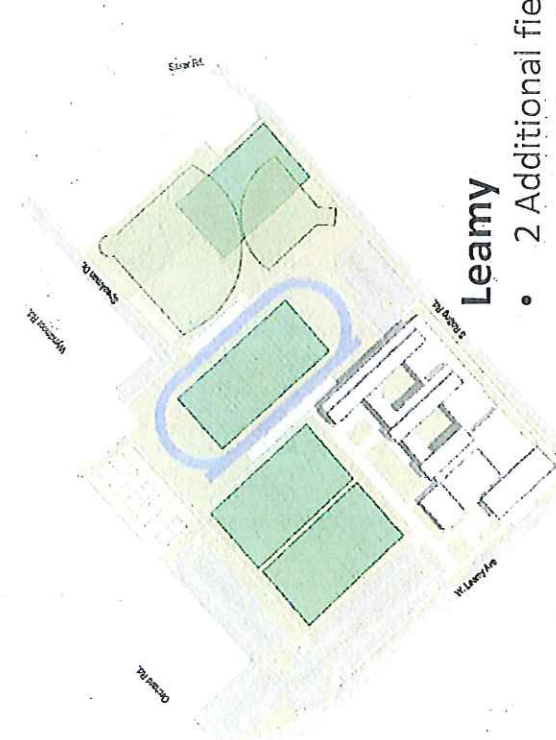


**Maintain**



**Renovate**

- 1 Additional field
- New Turf Football field
- New 8 Lane Track



**Leamy**

- 2 Additional fields
- New Turf Football field
- New 8 Lane Track



**Saxer**

- 2 Additional fields
- New Turf Football field
- New 8 Lane Track

# Academic Impact / Disruption





	Maintain Exstg	Renovate Exstg	New Leamy Ave.	New Saxer Ave.
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	Maintain Current Facility	New Gym Relocate Admin	All New	All New
Estimated Base Construction Duration	3.2 yrs. (38 months)	3.25 yrs. (39 months)	3.25 yrs. (39 months)	1.75 yrs. (21 months)
Estimated Overall Project Duration (incl. phasing)	3.7 yrs. (44 months)	4.7 yrs. (56 months)	5 yrs. (60 months)	3 yrs. (36 months)

**TEMPORARY SPACE**

Temporary Classrooms, etc. required	Yes	Yes	No	No
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**Maintain/Renovation**

- Possible multiple re-locations of program spaces during phased renovation
- Construction activities next to active program spaces (noise)
- Multiple interior circulation changes around construction areas
- Multiple exterior circulation changes around construction areas (vehicular and pedestrian)
- Possible temporary heating and ventilation systems during phased system replacements
- Reduction in program spaces during construction?

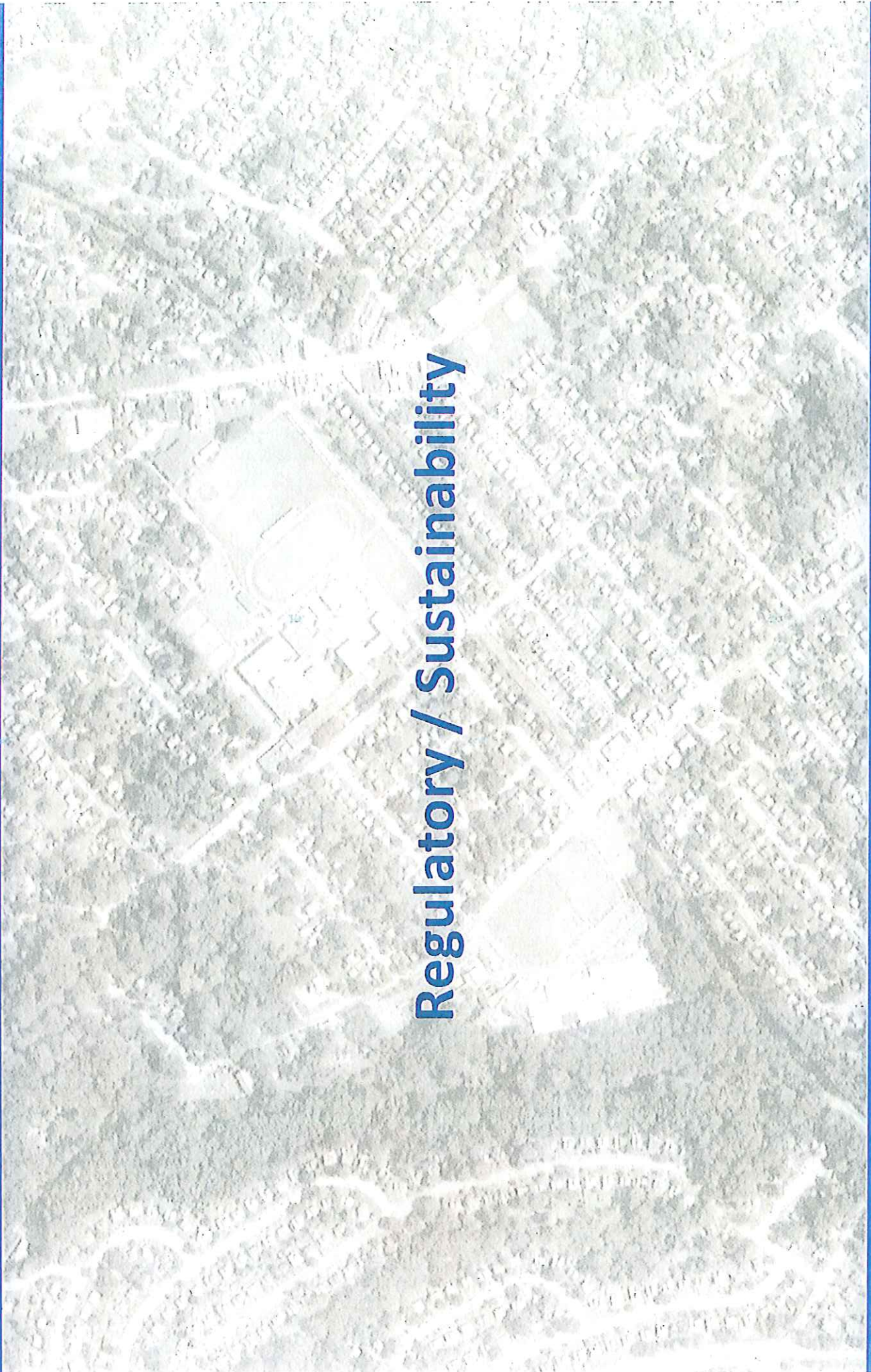
**Leamy Ave Scheme**

- High noise levels since new building is being constructed next to existing
- During phase 2 (20 months) there will be 2 separate entrances to existing building and phase 1 of new building. Staff and students will need to walk outside to travel between buildings
- Limited field space available during construction (construction and laydown area)
- Select parking areas / roads may be impacted by construction

**Saxer Ave Scheme**

- Limited field space available during construction (construction and laydown area)
- Select parking areas / roads may be impacted by construction

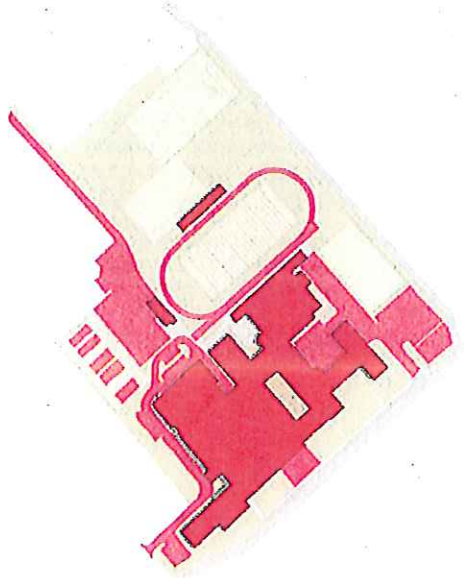
# Regulatory / Sustainability



**Regulations**

Max Building Coverage Permitted = 30%

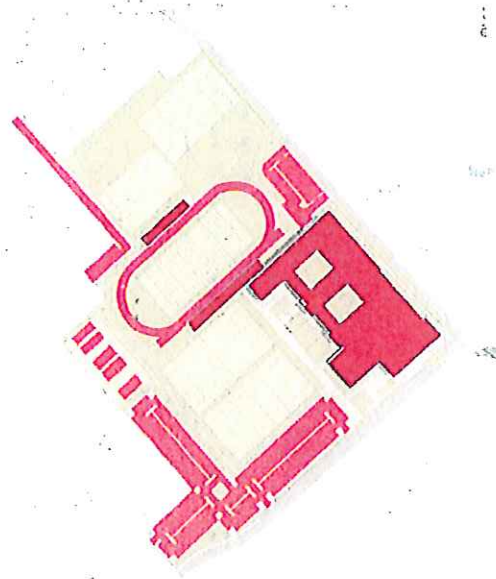
Max Impervious Coverage Permitted = 40%



**Maintain & Renovate Schemes**

Building Coverage = 20% +/-

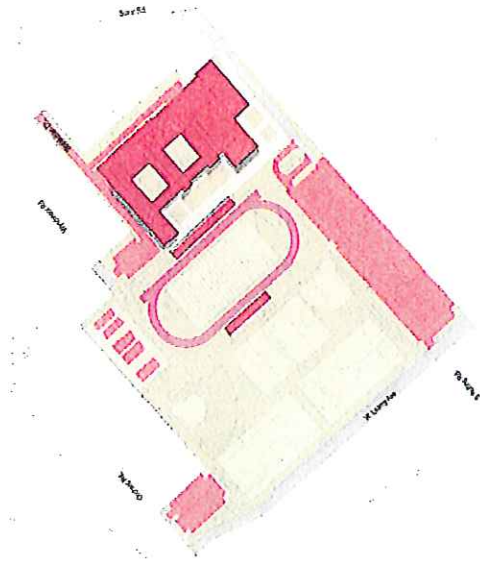
Total Impervious = 43% +/-



**Leamy Scheme**

Building Coverage = 11% +/-

Total Impervious = 40% +/-

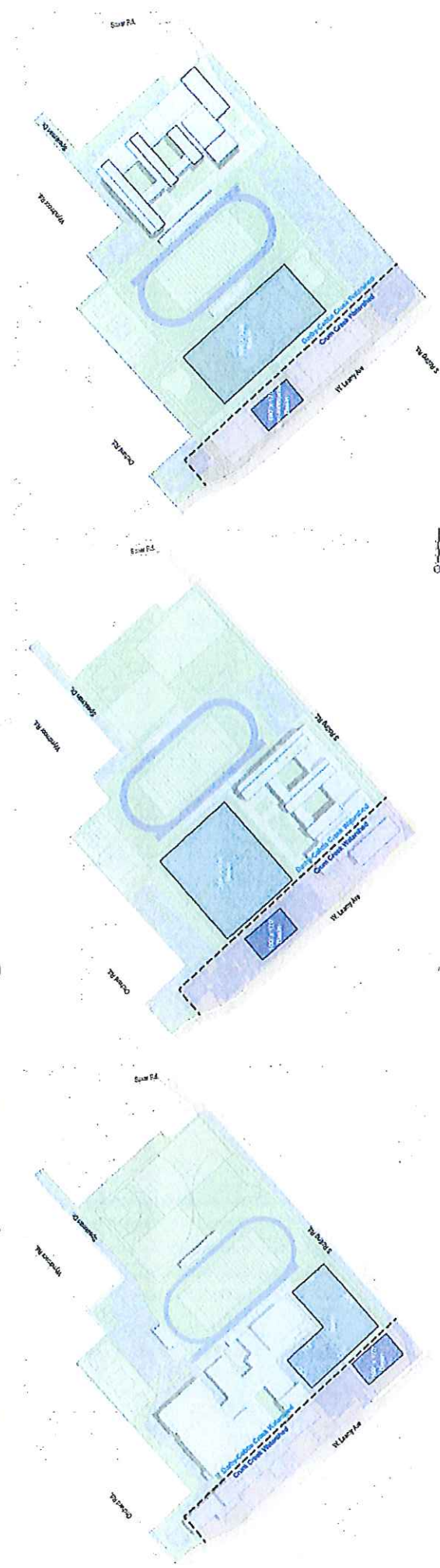


**Saxer Scheme**

Building Coverage = 11% +/-

Total Impervious = 40% +/-

- Site Drains to two watersheds – **Crum Creek** and **Darby-Cobbs Creek**
- Crum Creek stormwater requirements for rate control are more restrictive than Darby-Cobbs Creek.
- Required stormwater volume control and proposed infiltration basin size is dictated based on PADEP allowable loading ratios.
  - 8:1 Max. Total Loading Ratio
  - 5:1 Max. Impervious Loading Ratio



### Renovate

Infiltration basins required in both watersheds

### Leamy

Infiltration basins required in both watersheds

### Saxer

Infiltration basins required in Darby-Cobbs.  
Rate control basin required in Crum Creek

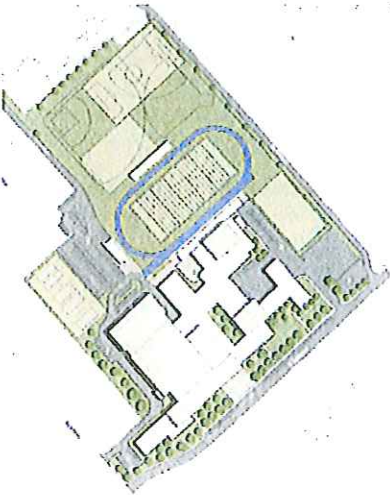
### Site

- Rain gardens
- Permeable paving
- Student gardens (science and arts programming)
- Outdoor classrooms
- Native plant materials

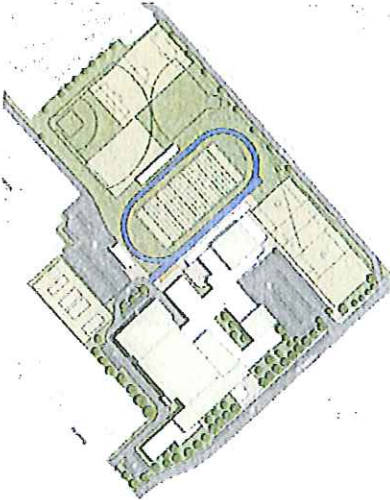
### Building

- Improved daylighting and views to outside and campus
- Renewable energy integration
- Rainwater harvesting (connection to educational programming)
- Energy efficient (and improved air quality) building systems
- Energy monitoring systems (connection to educational programming)
- Sustainable materials and finishes
- High performance building envelope (exterior walls, windows, etc.)

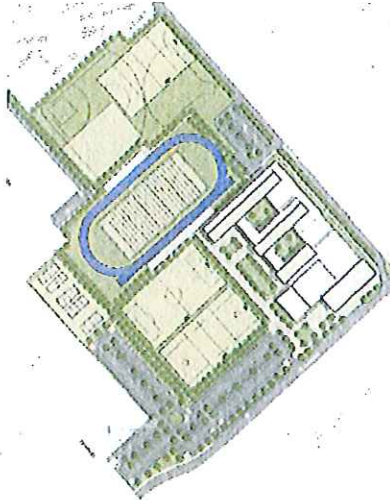




**Maintain Existing**



**Renovate Existing**



**New Leamy**



**New Saxer**

# Discussion

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