

Somerville High School

MSBA Facility Advisory Sub-Committee

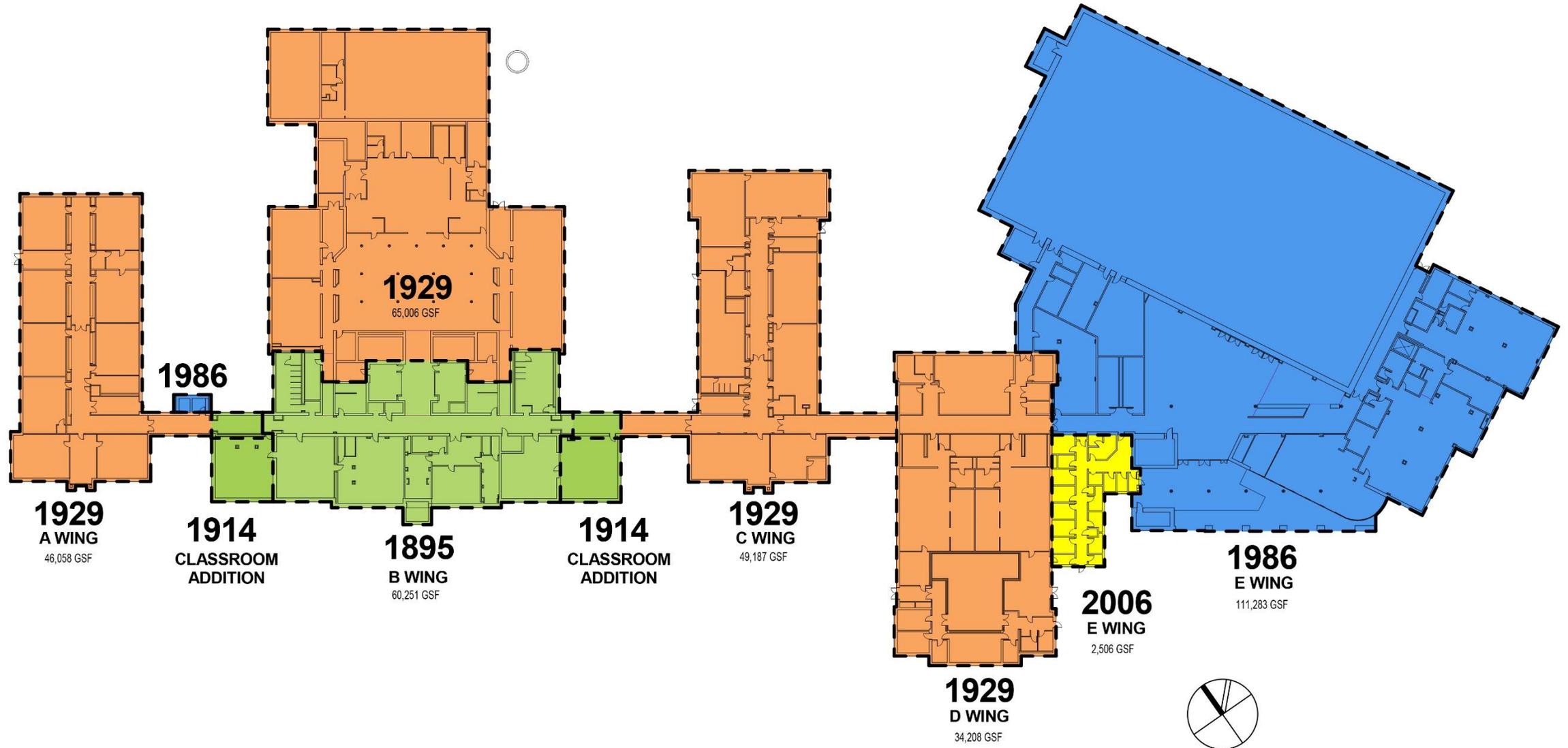


Symmes Maini & McKee
Associates

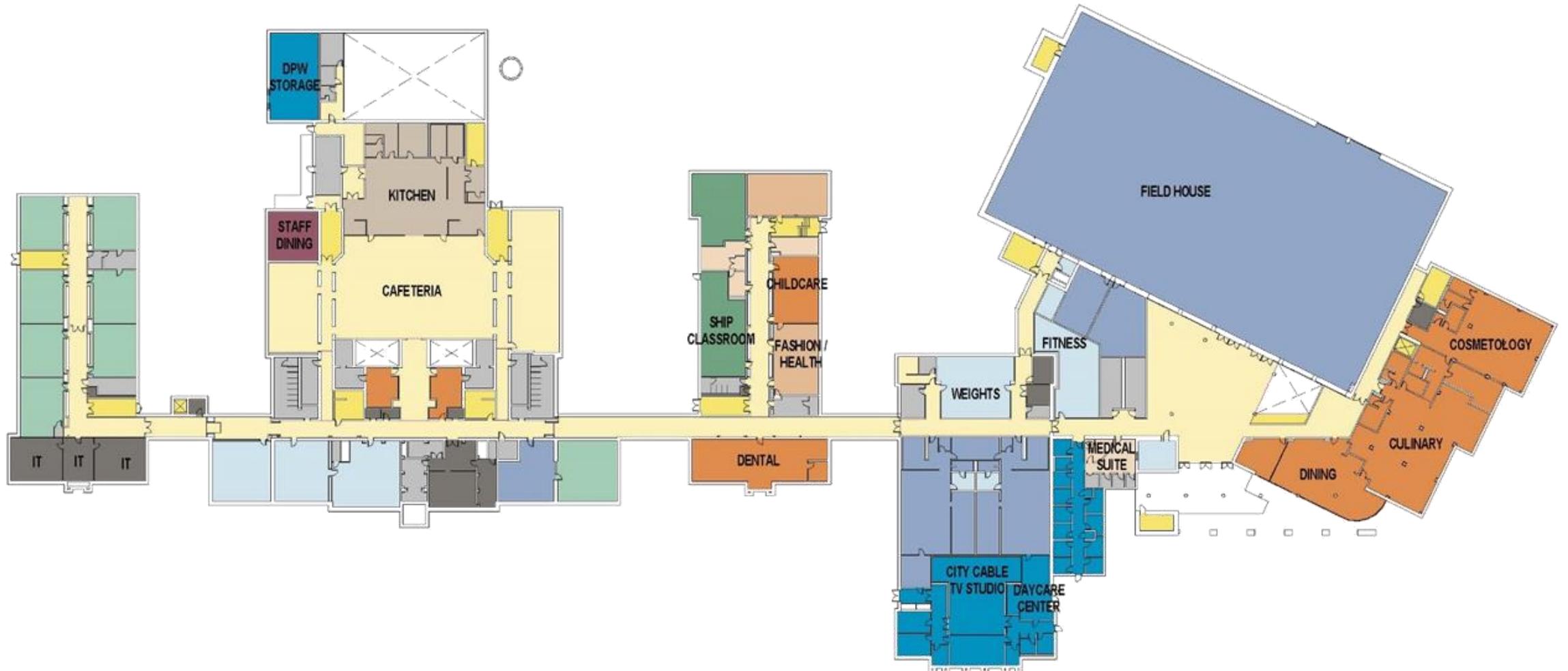
SMMA

June 15, 2016

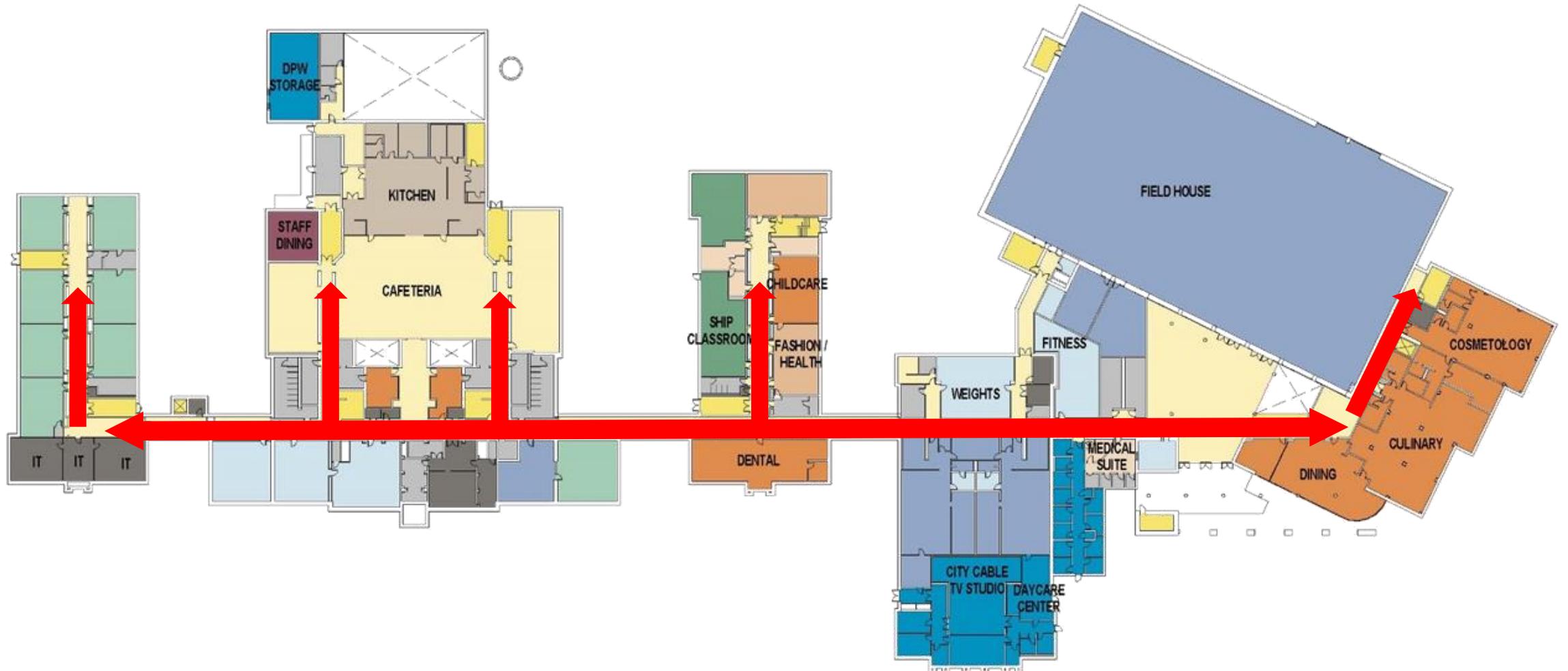
Building History of Construction



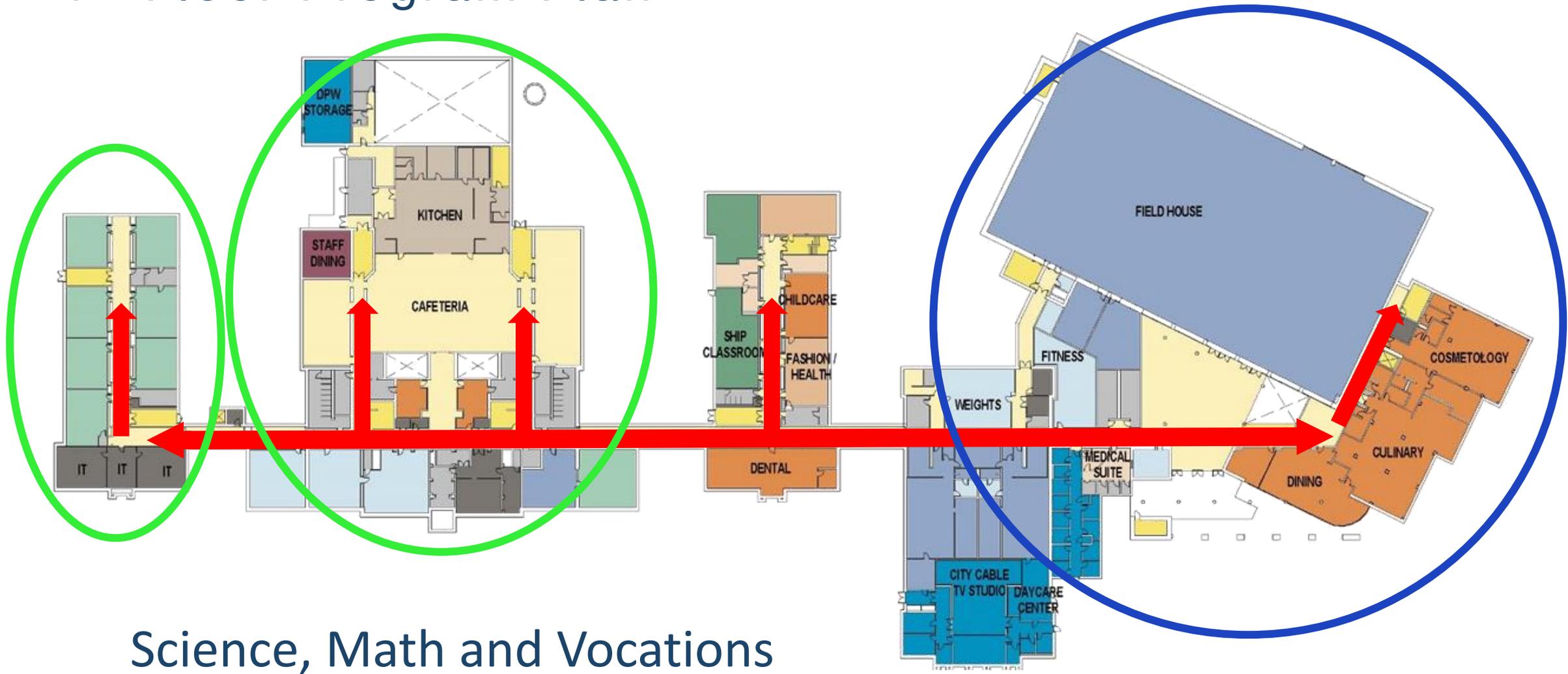
Existing High School: 1st Floor Program Plan



Existing High School: 1st Floor Program Plan



Existing High School: 1st Floor Program Plan



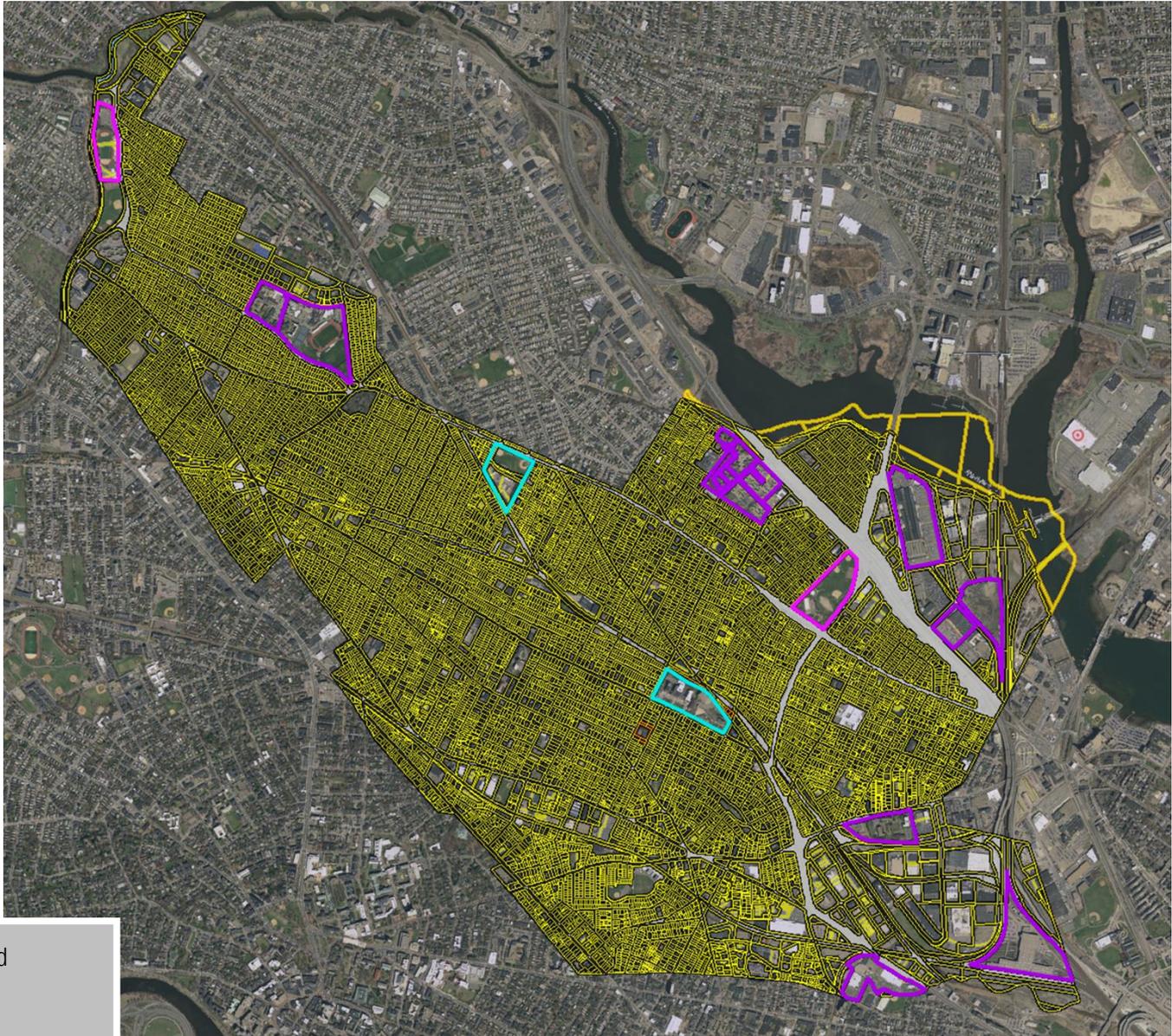
Science, Math and Vocations

EVALUATION CRITERIA

Existing Educational Building Deficiencies

- Lacking Spaces for 21ST CENTURY TEACHING & LEARNING
 - Differentiated Learning
 - Comprehensive School w/o Proper Adjacencies
 - None/Poor Common Areas
- Sustainability and Poor Building Performance
- Long Term Viability of 1929 Classroom Wings
- Substantial Additions and Renovations Required
- School Safety & Security
- Science Facilities
- Building Organization & Travel Distances

City of Somerville: Parcels Greater Than 10 Acres



- Commonwealth Owned
- Privately Owned
- City Owned



Somerville Free High School - 1852



The Latin High School - 1872



Public Library- 1880



English High School - 1895



City Hall - 1910



Additions to English High School – est. 1914



Somerville High School - 1929



Somerville High School – 1956 (Fire)



Somerville High School - 1957



Somerville High School - 1976



Somerville High School – 1986 to 2015



Somerville High School – Existing Circulation



Somerville High School

Somerville Historic Preservation Commission Primary Assets



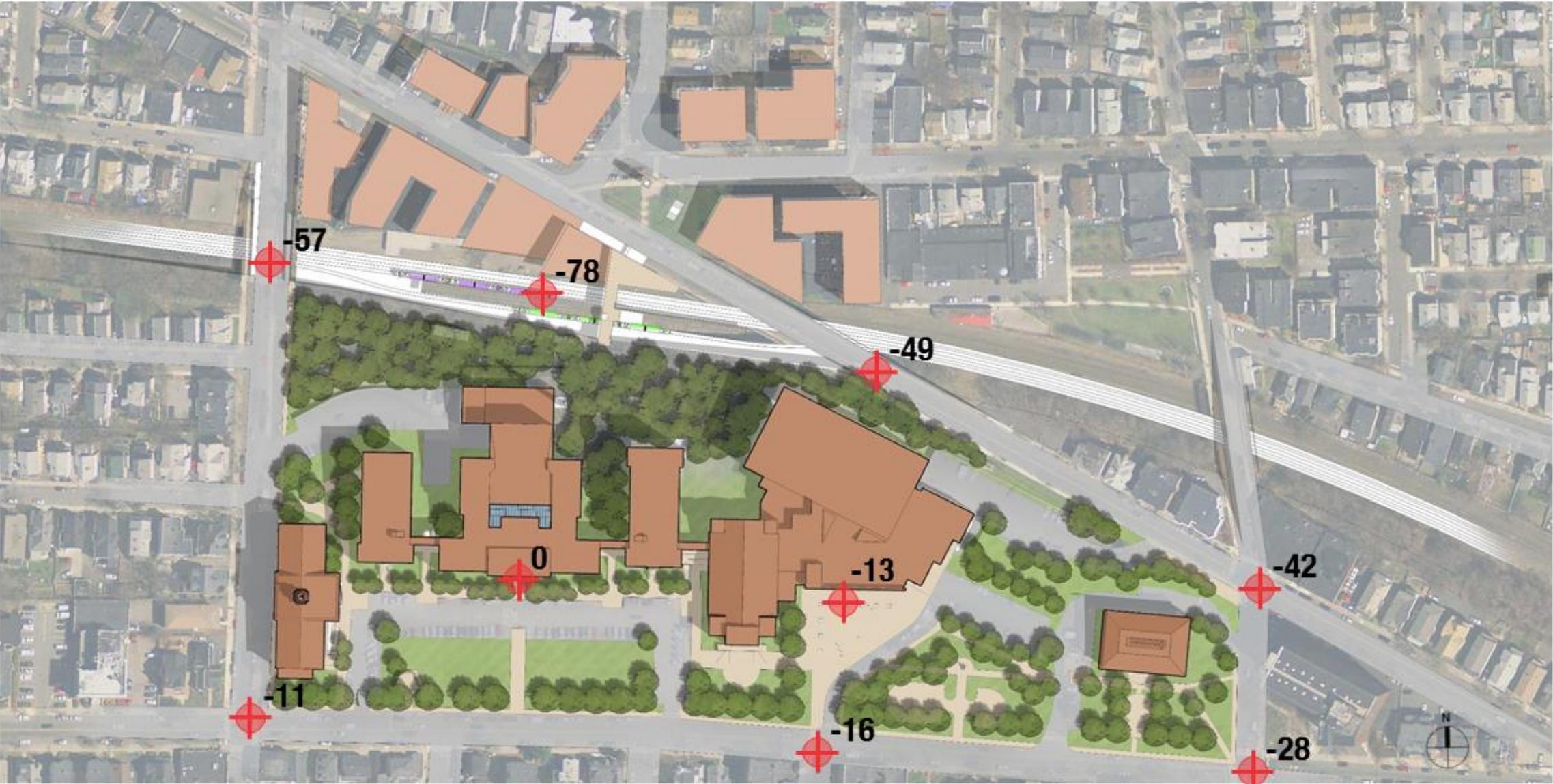
Somerville High School – Cost Effective High School Assets



Somerville High School – “Poor Quality” High School Assets



Somerville High School - Spot Grades



Porter Square Steps – 116 steps to first platform



EVALUATION CRITERIA: ALTERNATIVE 4b

STRENGTHS

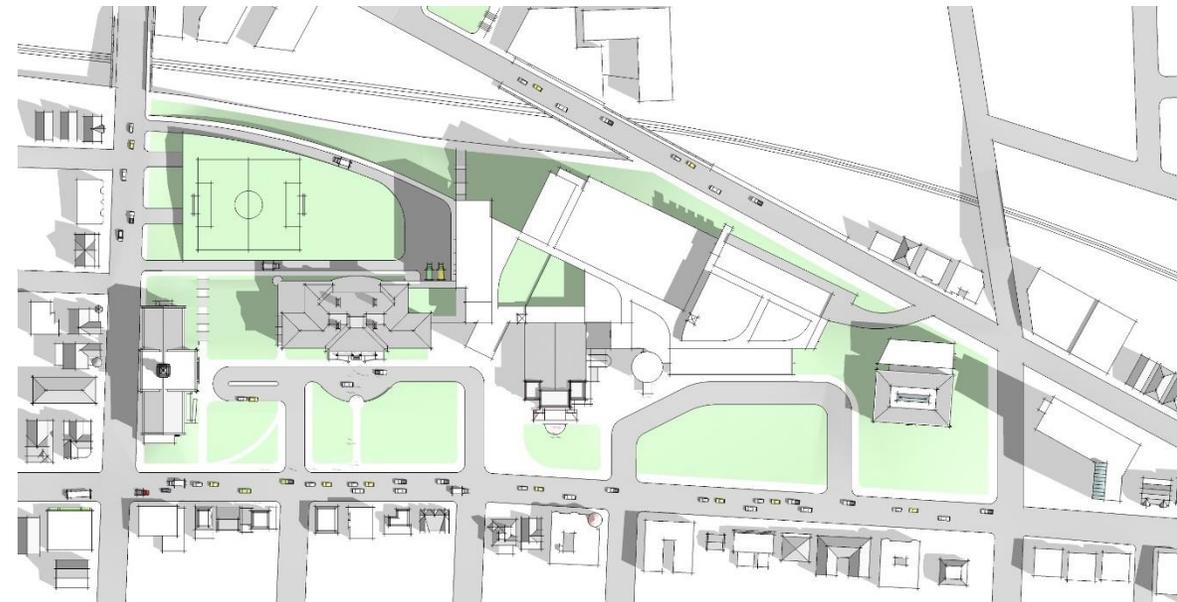
- Organizational Plan for STEM and STEAM
- Use of Site & Hillside
- Arts Integration
- Preserves Critical Historic structures
- Community Relationships & Uses
- Usable field Space
- Indoor/outdoor connectivity

OPPORTUNITY

- Potential to expand City/Civic programs
- Urban Relationships Connecting Gilman & Union Squares
- Outdoor learning spaces & environments
- Field opportunity
- Parking Opportunity

CHALLENGES

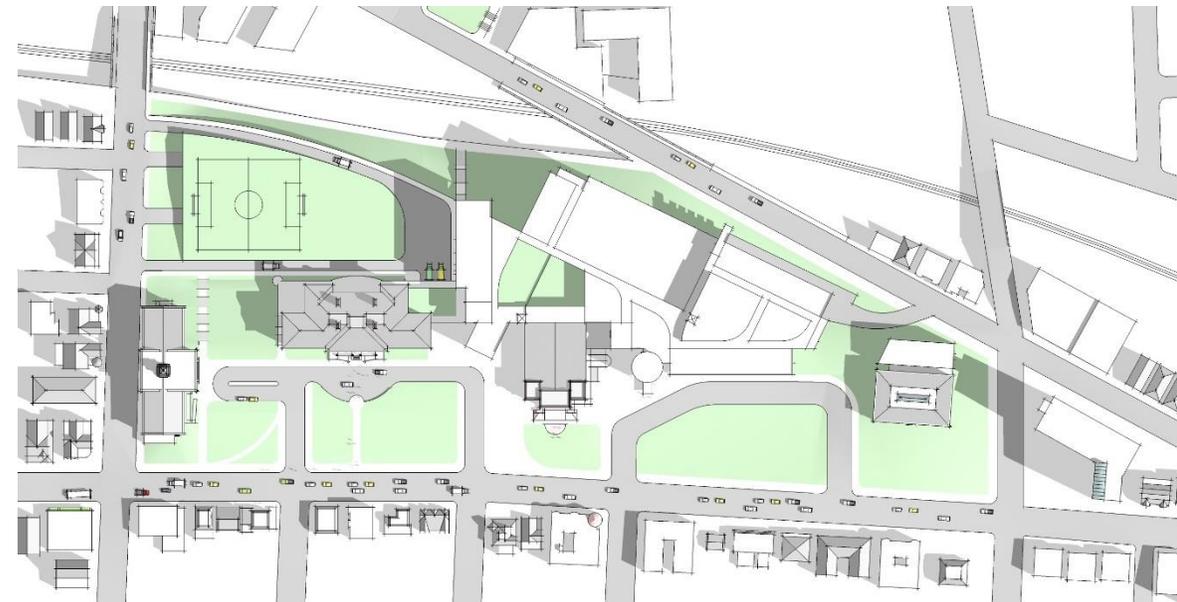
- Phasing
- Working Around Existing Buildings
- Building Height
- Concentrates Students on Tight Site
- Physical Relationship to Historic Central Library
- Relationship to Highland Ave
- Service access
- Project Cost



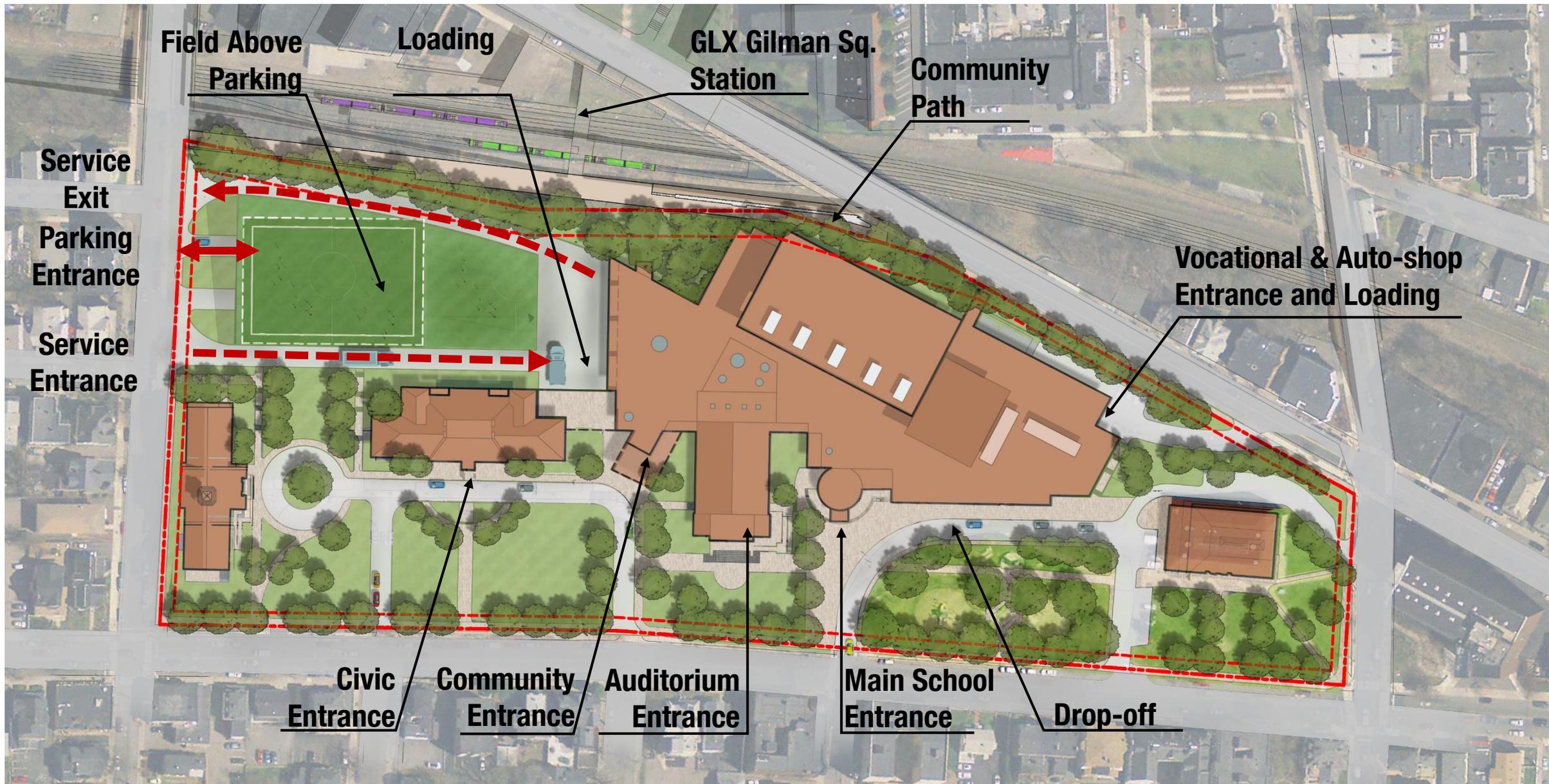
EVALUATION CRITERIA

Distinguishing Principle Criteria For Option 4b

- Academic/Vocational integration
- Easy recognition of commons areas – creates identity/place for students
- Arts integration
- Project based learning configurations/environments
- Clarity of circulation & entrances
- Accommodates alternative school (Next Wave/Full Circle)
- Strengthens community/relationships
- Usable field space
- Accommodates urban campus
- Indoor/outdoor connectivity
- Operational efficiency



Alternative 4b: Site Plan



Somerville High School – Spot Grades

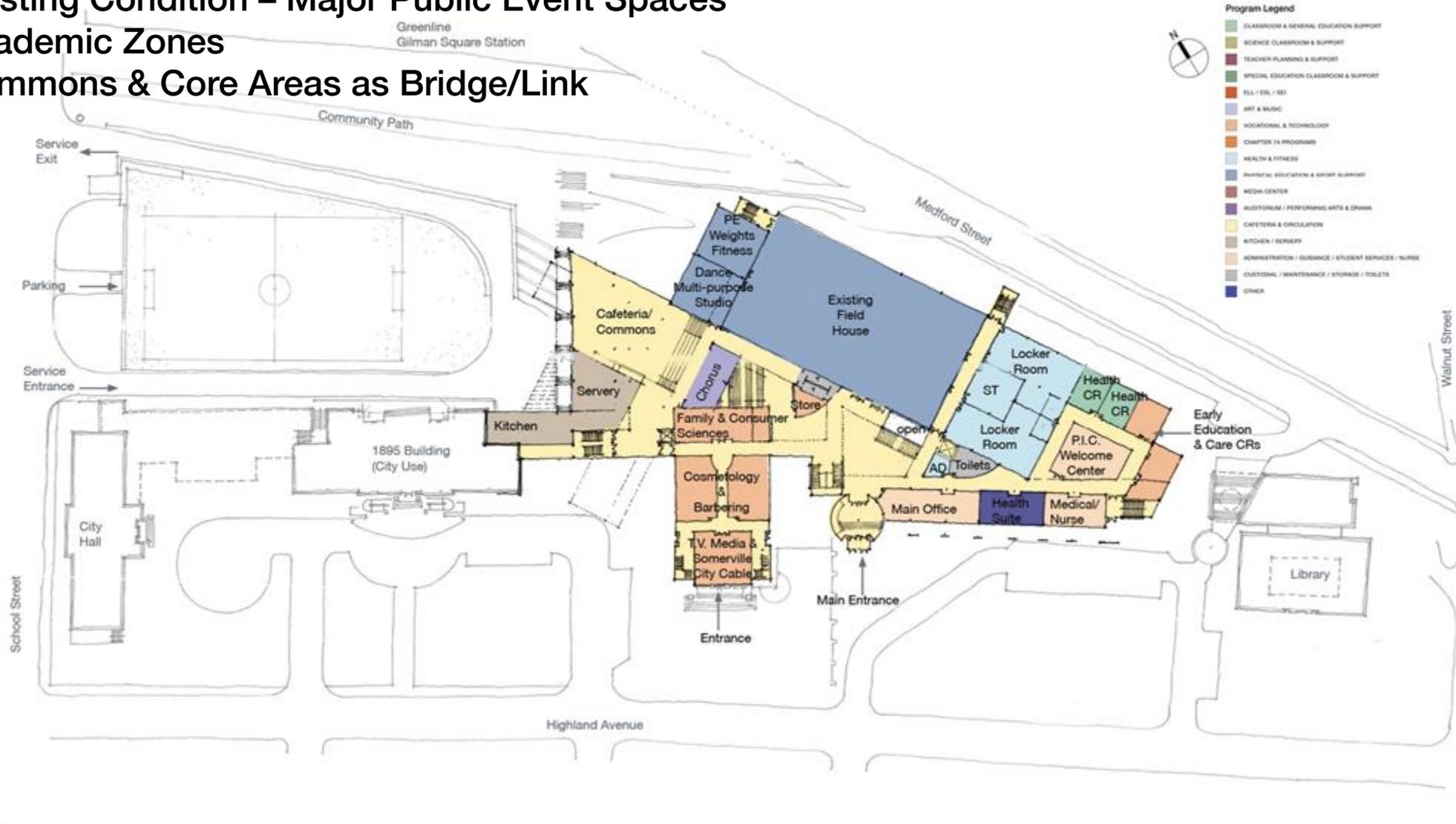


Somerville High School – Spot Grades



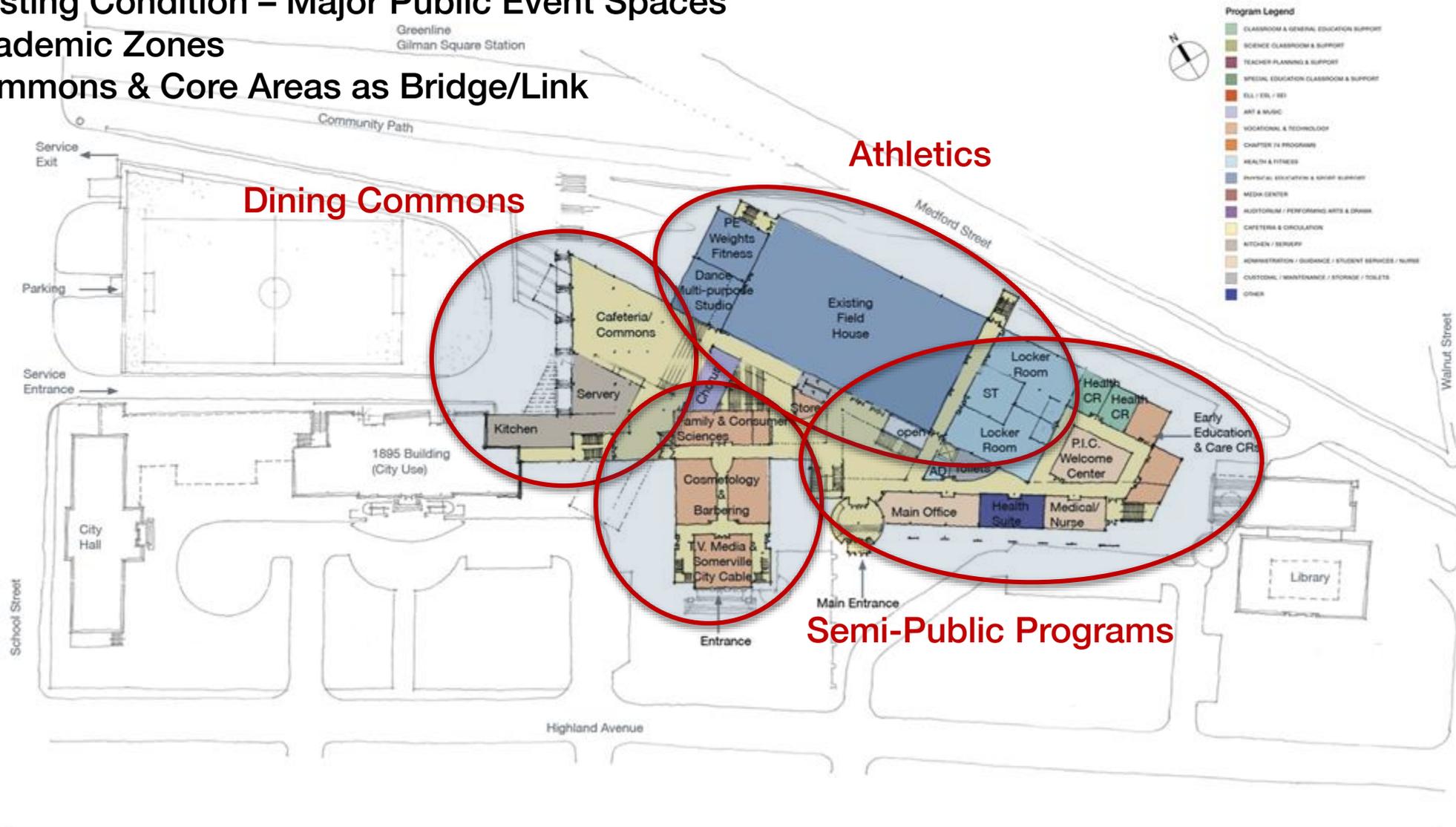
Alternative 4b: 1st Floor

1. Existing Condition – Major Public Event Spaces
2. Academic Zones
3. Commons & Core Areas as Bridge/Link

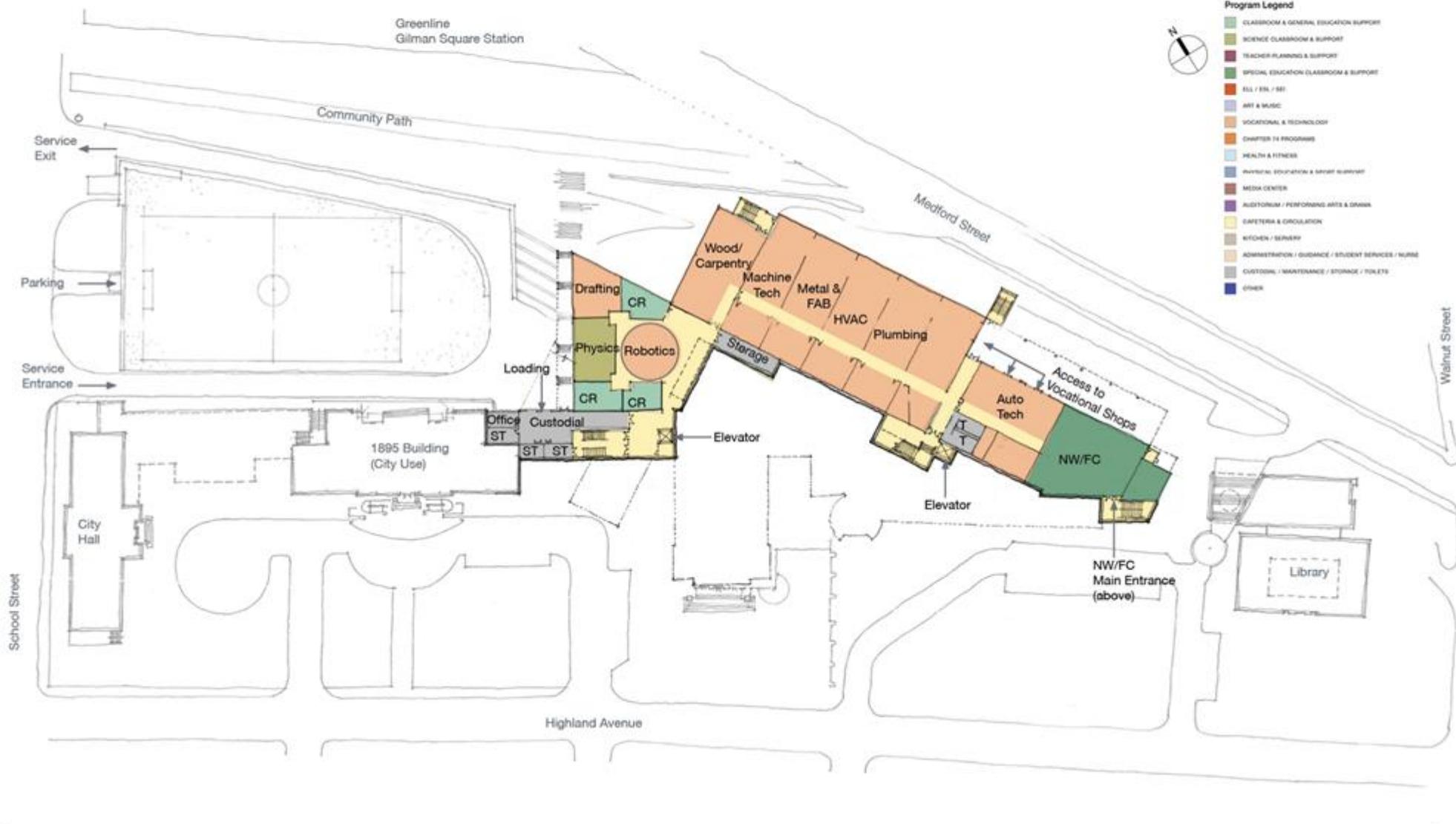


Alternative 4b: 1st Floor

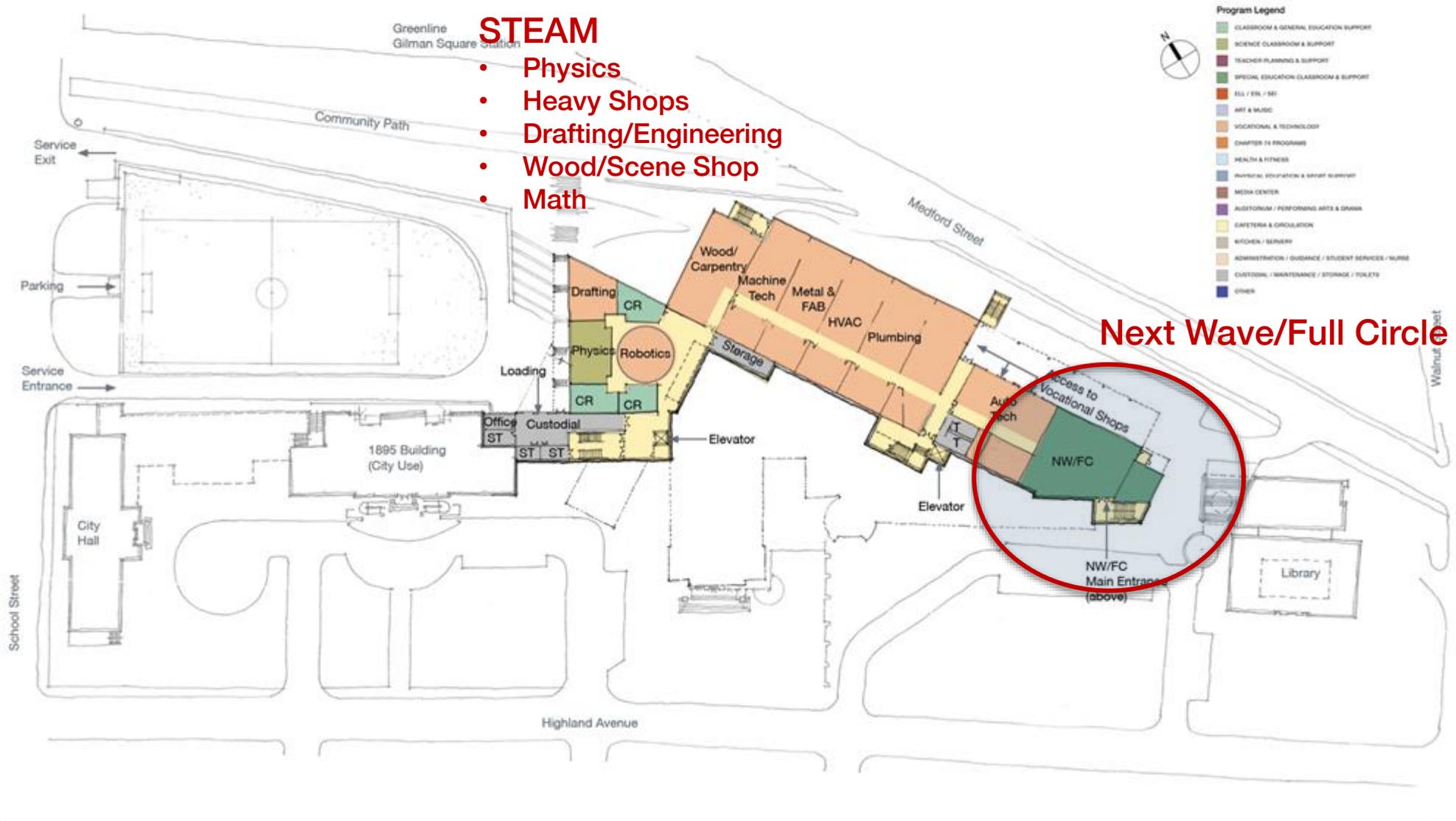
1. Existing Condition – Major Public Event Spaces
2. Academic Zones
3. Commons & Core Areas as Bridge/Link



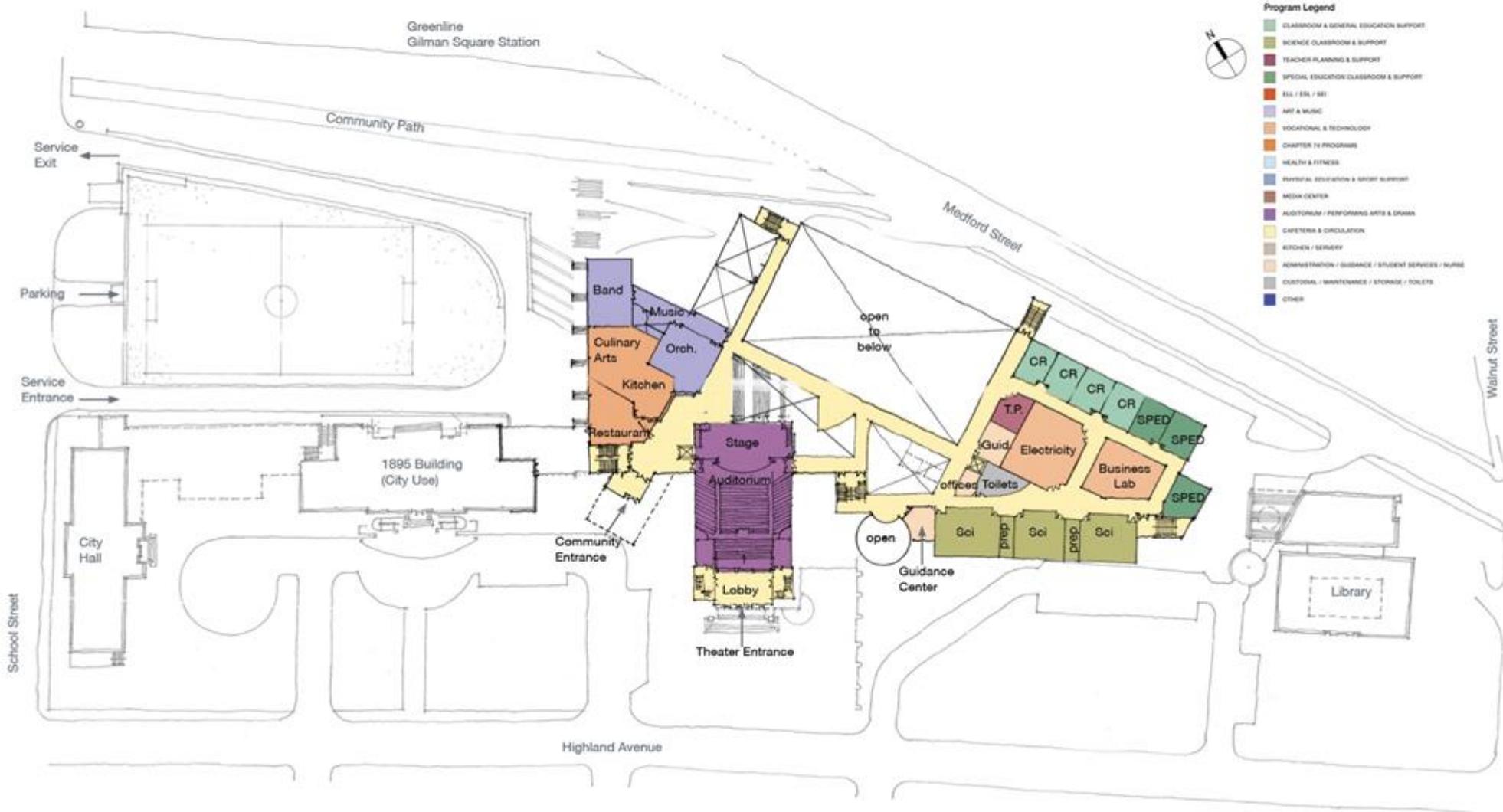
Alternative 4b: Lower Level Plan



Alternative 4b: Lower Level Plan



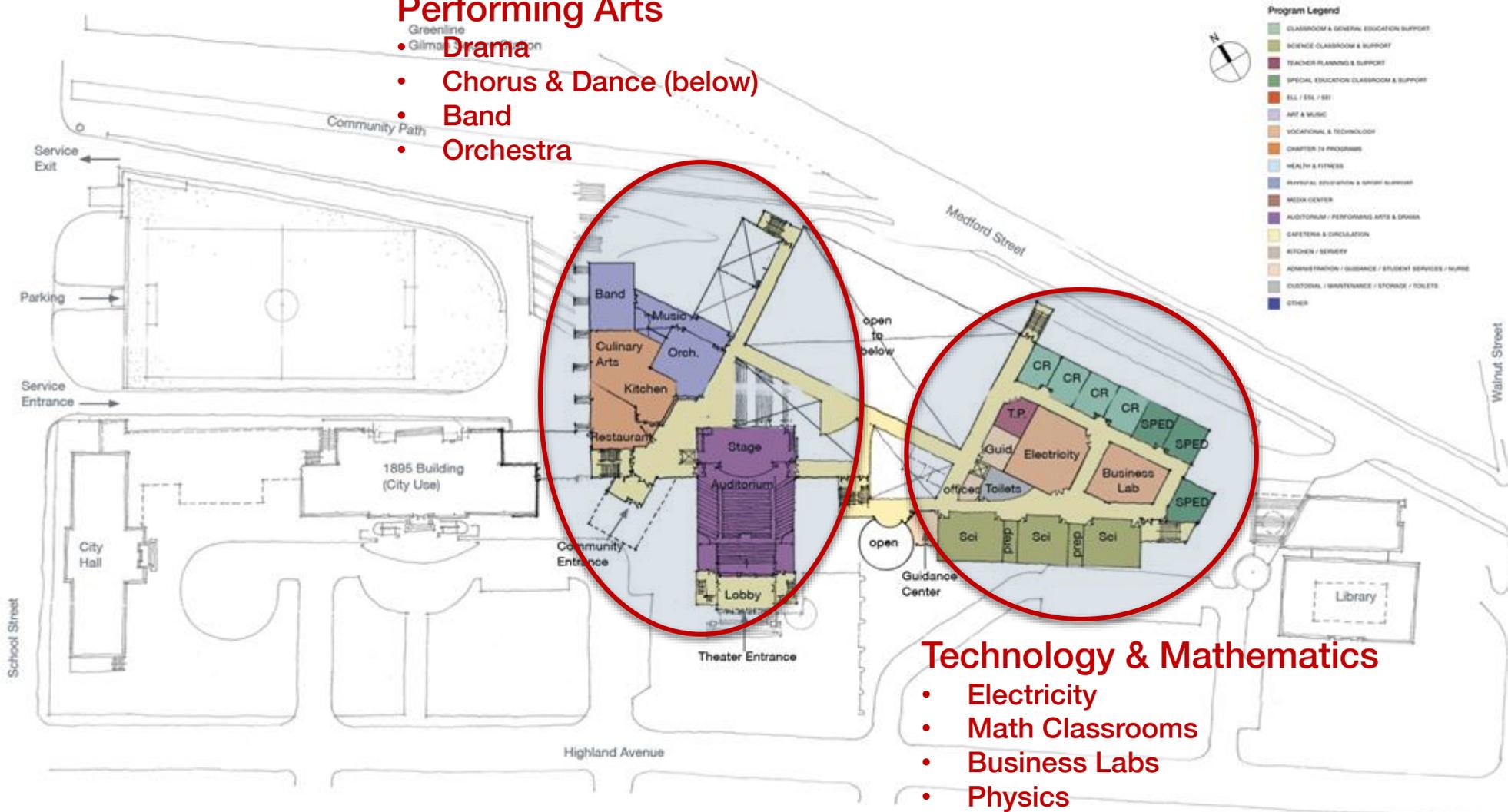
Alternative 4b: 2nd Floor



Alternative 4b: 2nd Floor

Performing Arts

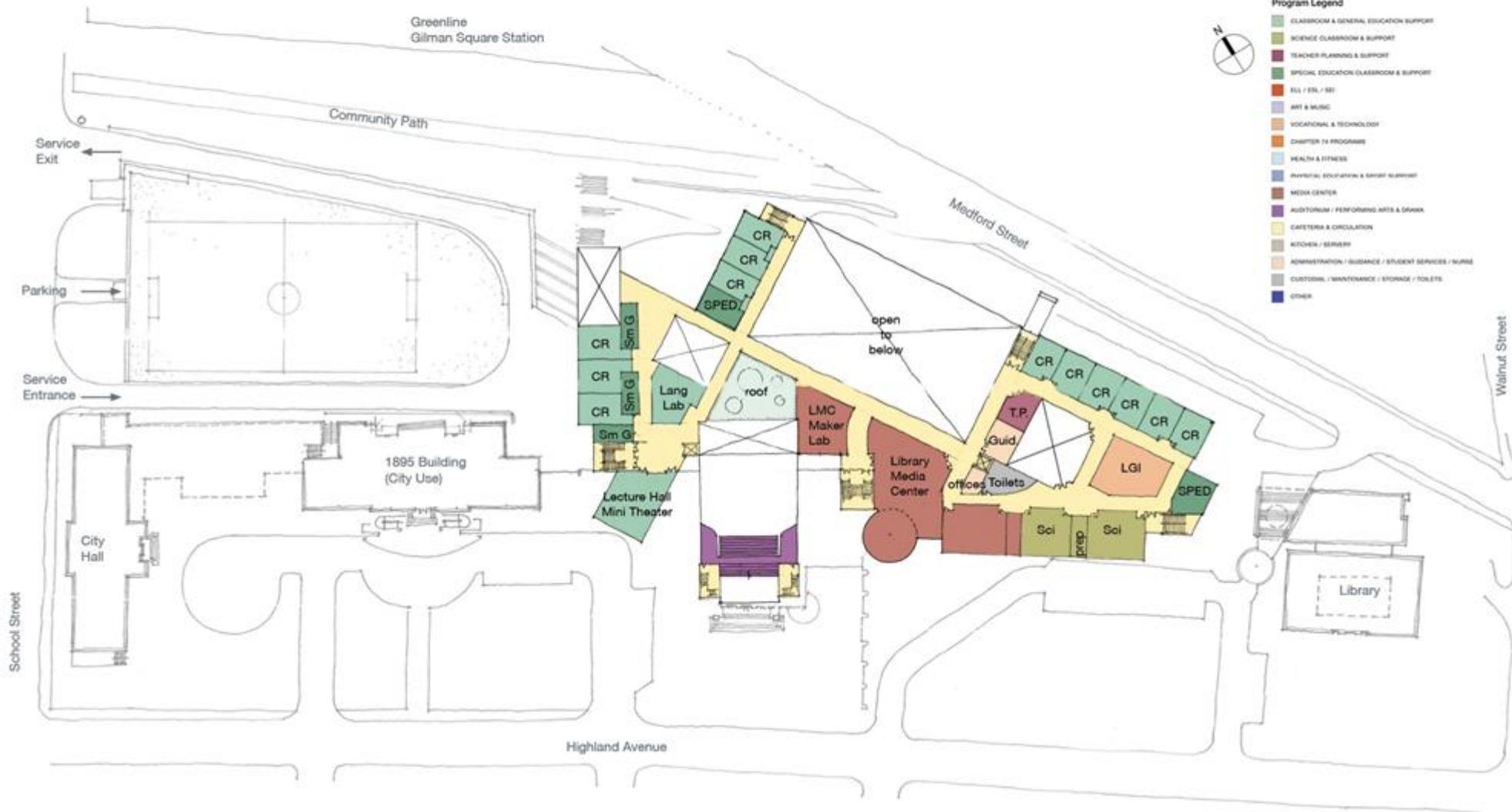
- Drama
- Chorus & Dance (below)
- Band
- Orchestra



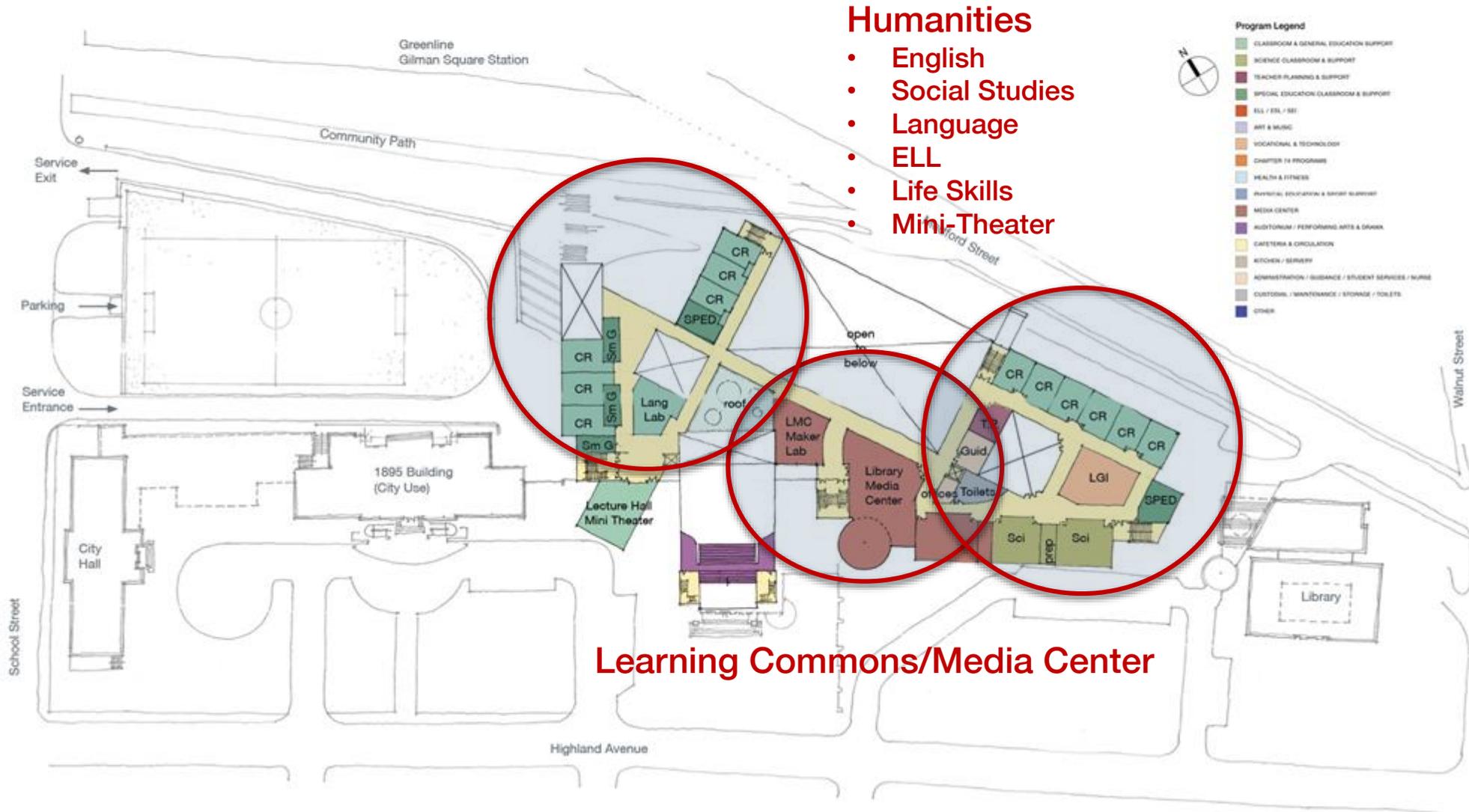
Technology & Mathematics

- Electricity
- Math Classrooms
- Business Labs
- Physics

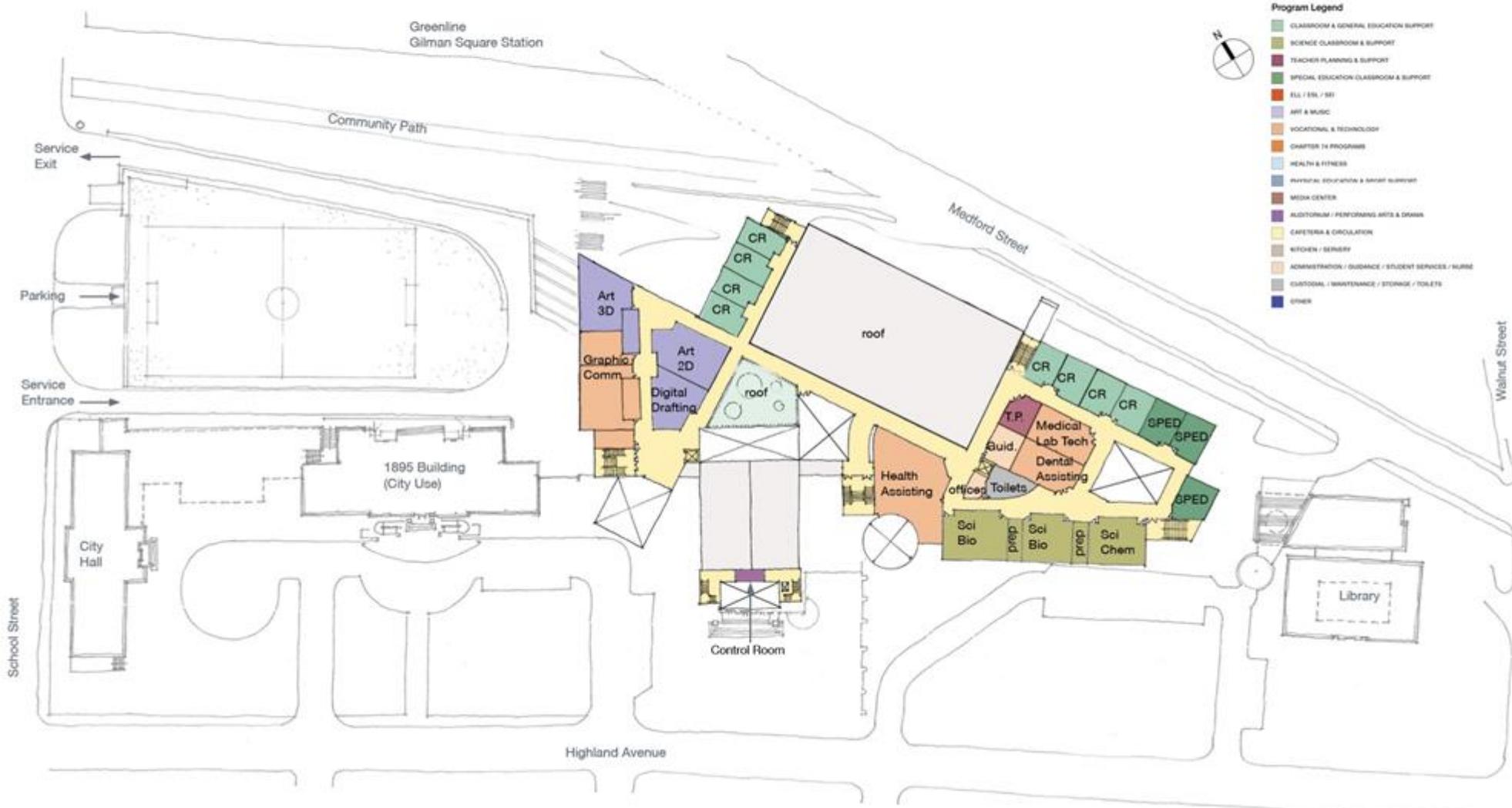
Alternative 4b: 3rd Floor



Alternative 4b: 3rd Floor



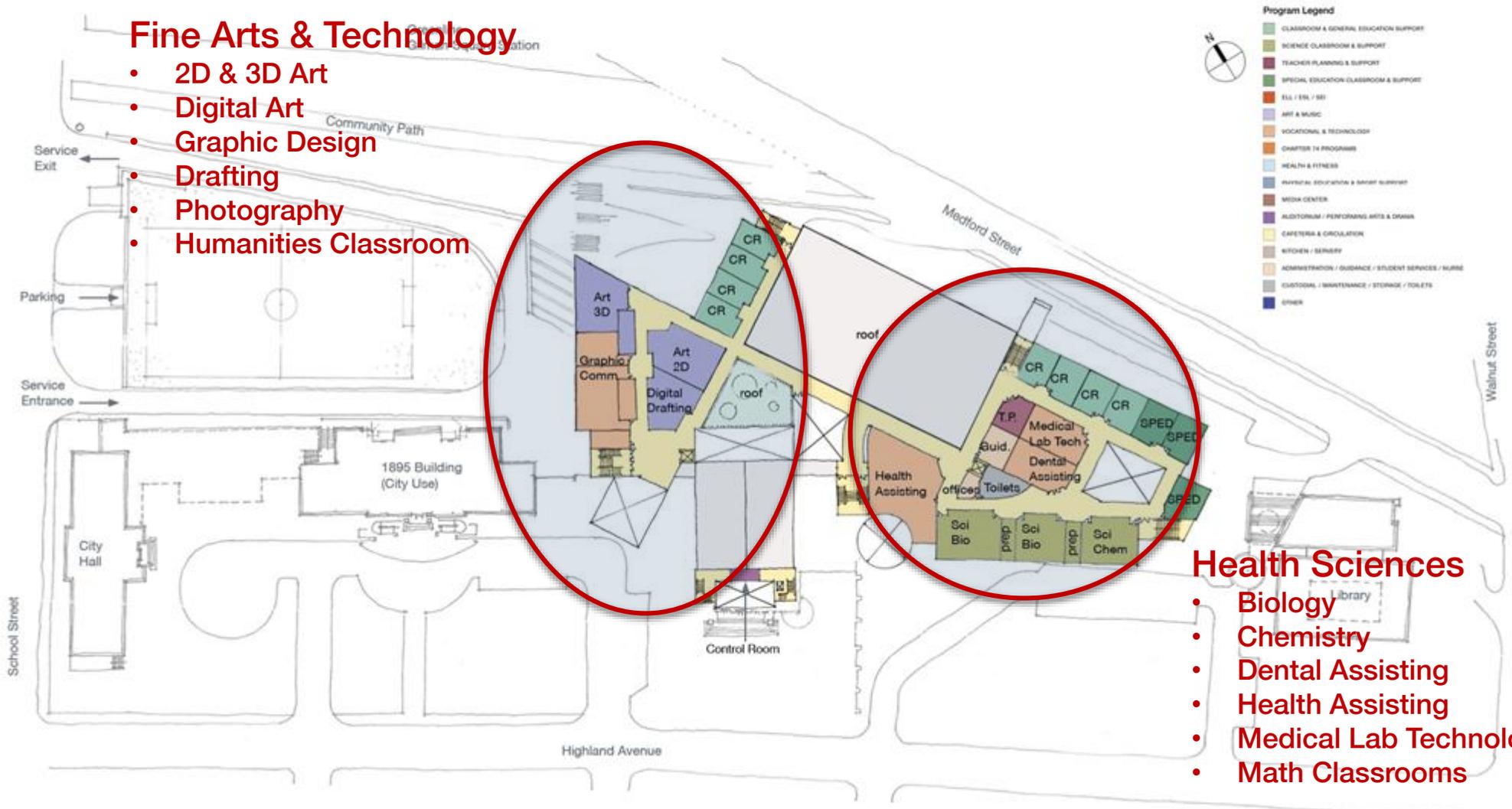
Alternative 4b: 4th Floor



Alternative 4b: 4th Floor

Fine Arts & Technology

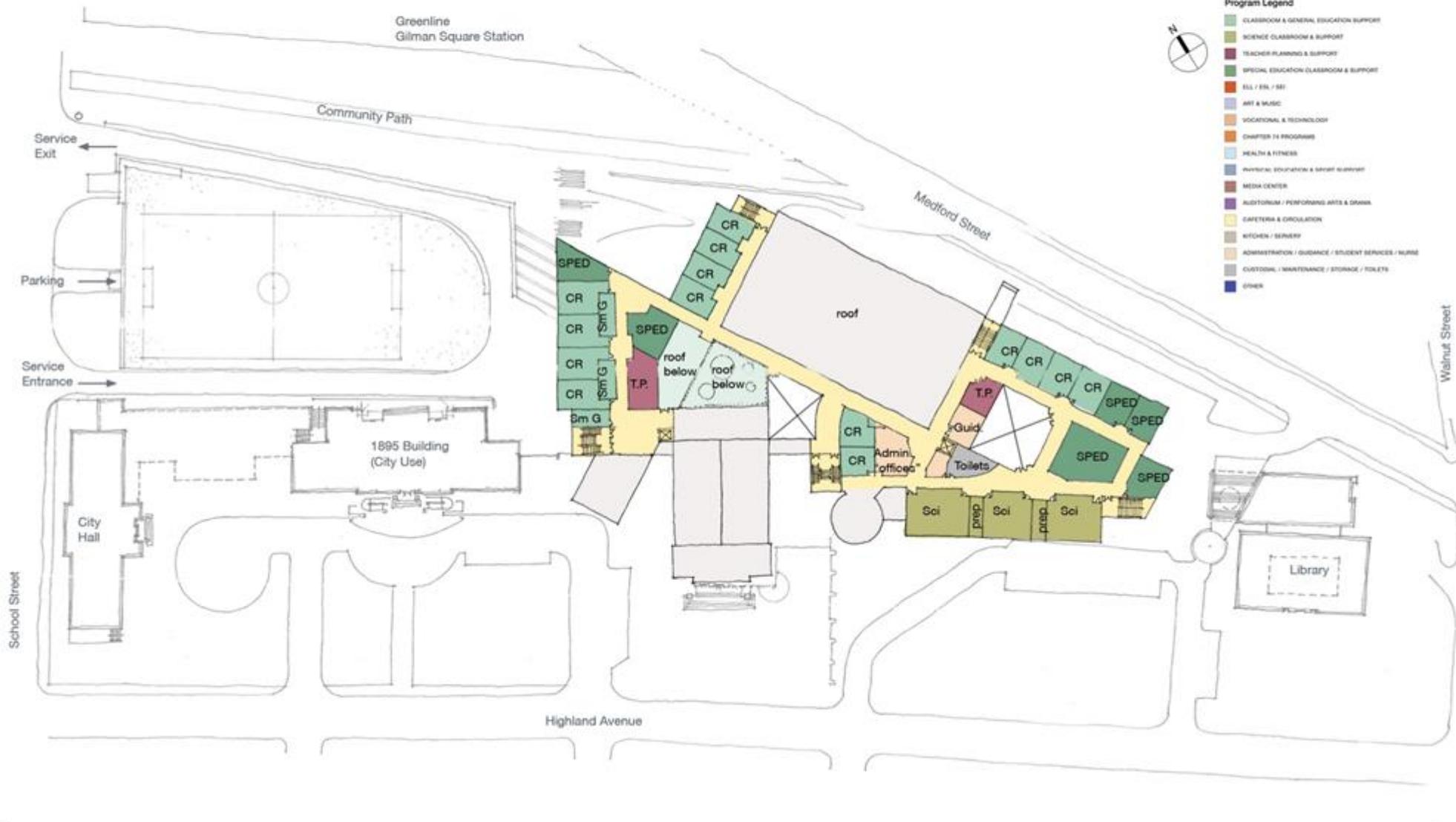
- 2D & 3D Art
- Digital Art
- Graphic Design
- Drafting
- Photography
- Humanities Classroom



Health Sciences

- Biology
- Chemistry
- Dental Assisting
- Health Assisting
- Medical Lab Technology
- Math Classrooms

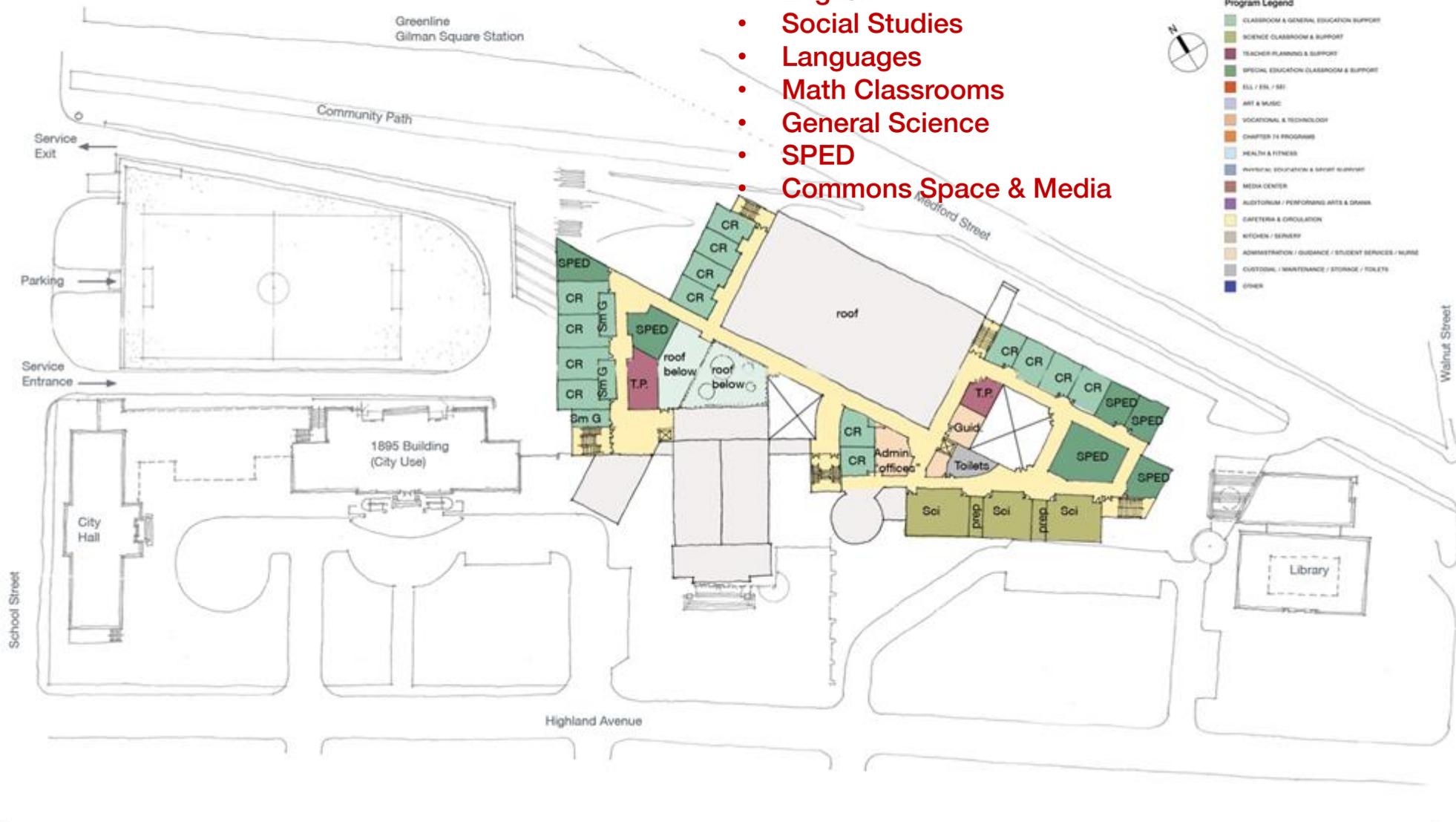
Alternative 4b: 5th Floor Plan



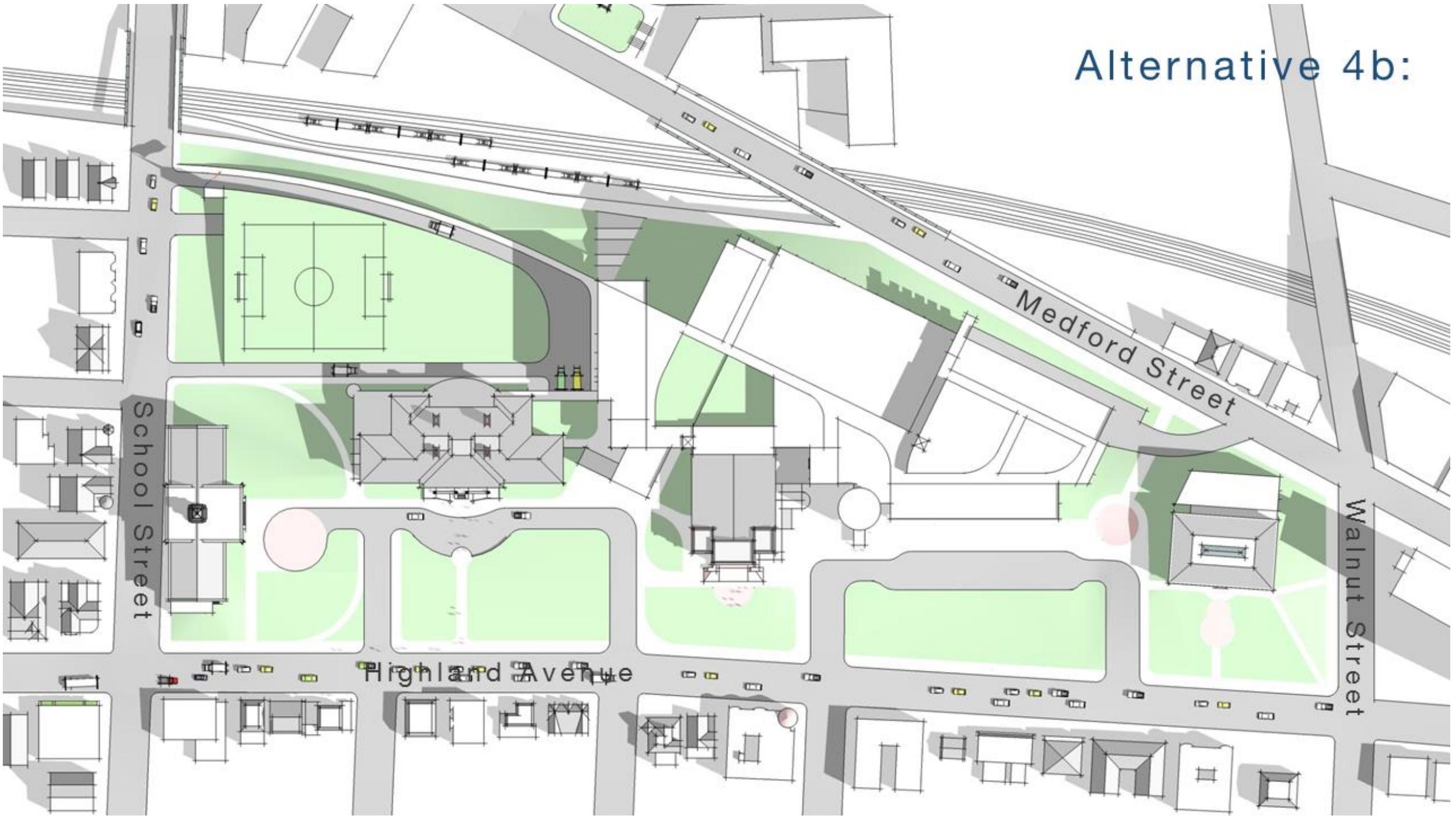
Alternative 4b: 5th Floor Plan

Freshman Experience

- English
- Social Studies
- Languages
- Math Classrooms
- General Science
- SPED
- Commons Space & Media



Alternative 4b:



Alternative 4b:



Alternative 4b:



Alternative 4b:



Alternative 4b:



Alternative 4b:



Existing Conditions



Planning for the Community Path & Gilman Square





Thank you!

Field and Venue Inventory

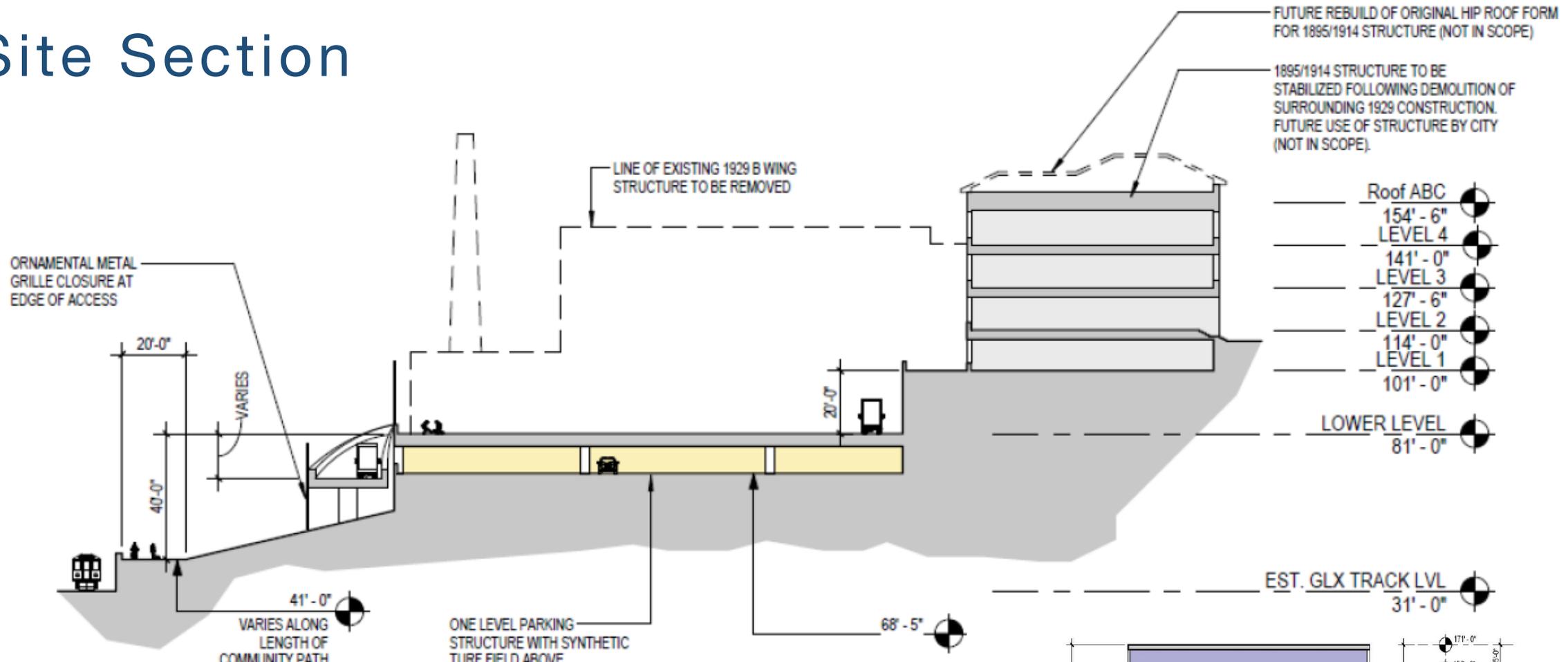


- Somerville High School Field House ●
- Veterans Memorial Hockey Rink ●
- Conway Park ●
- Fall: Football Practice ●
- Spring: Little League ●
- Dilboy Stadium ●
- Fall: Football ●
- Spring: Track ●
- Trum Field ●
- Spring: Baseball & Softball ●
- Foss Park (DCR) ●
- Fall: Soccer Practice ●
- Spring: Softball, Ultimate Frisbee ●

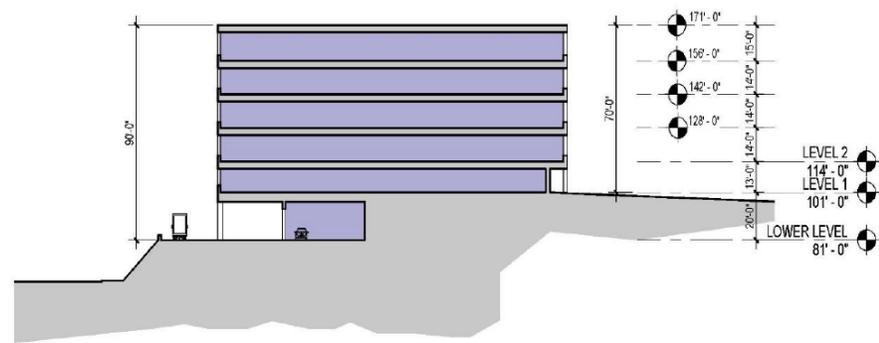
- Blessing of the Bay Boathouse ○
- Crew ○
- Kennedy School ○
- J.V. Basketball ○
- Argenziano School Field ○
- Girl's Soccer Practice ○
- Ultimate Frisbee ○
- East Somerville Community School ○
- Freshman Basketball ○
- Soccer Practice ○
- Capuano Early Education center ○
- Soccer Practice ○
- Draw Seven ○
- Soccer Field ○



Site Section



Alternative 4B – Site Section at 1895/1914 Building

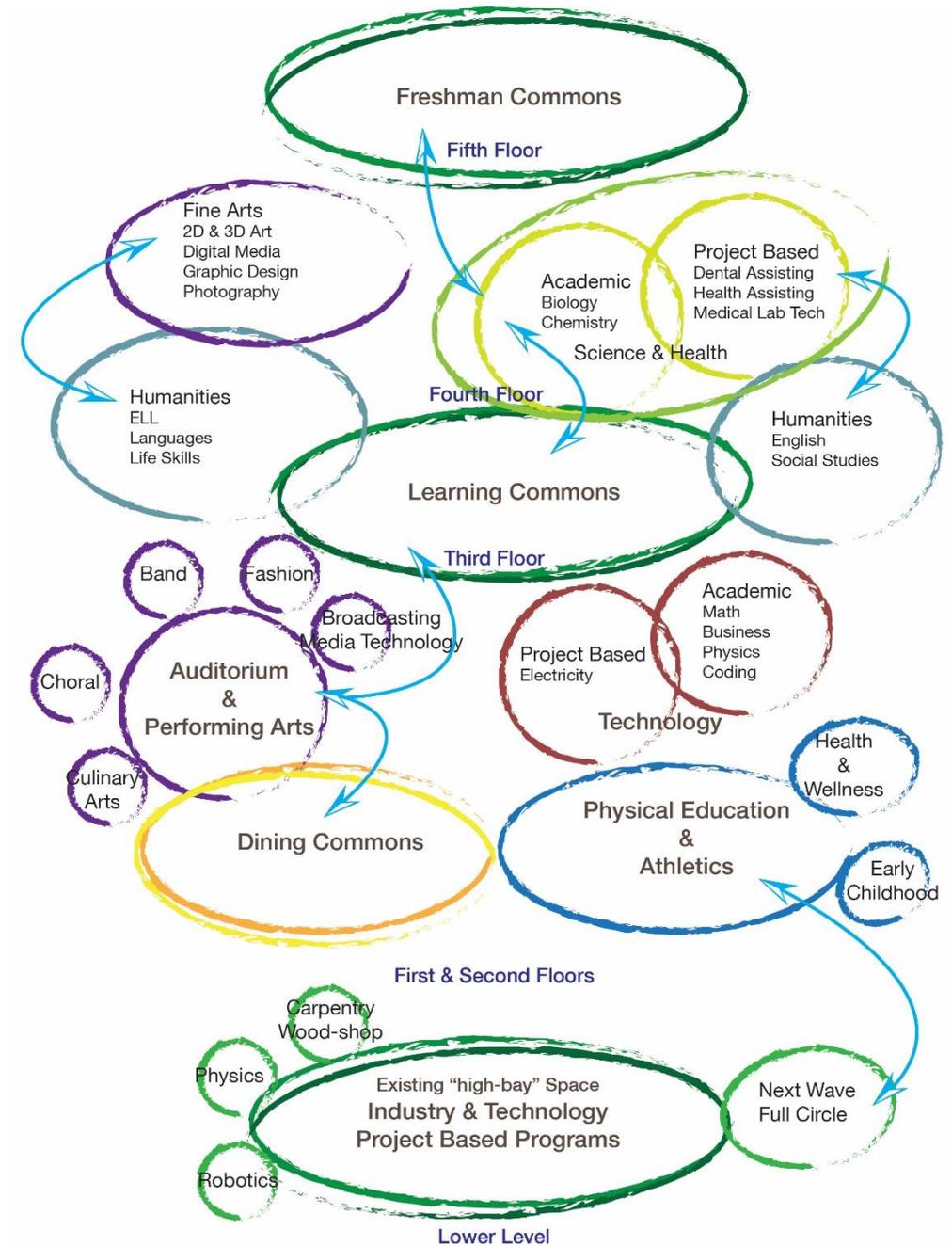


Alternative 4B – Site Section at New Construction

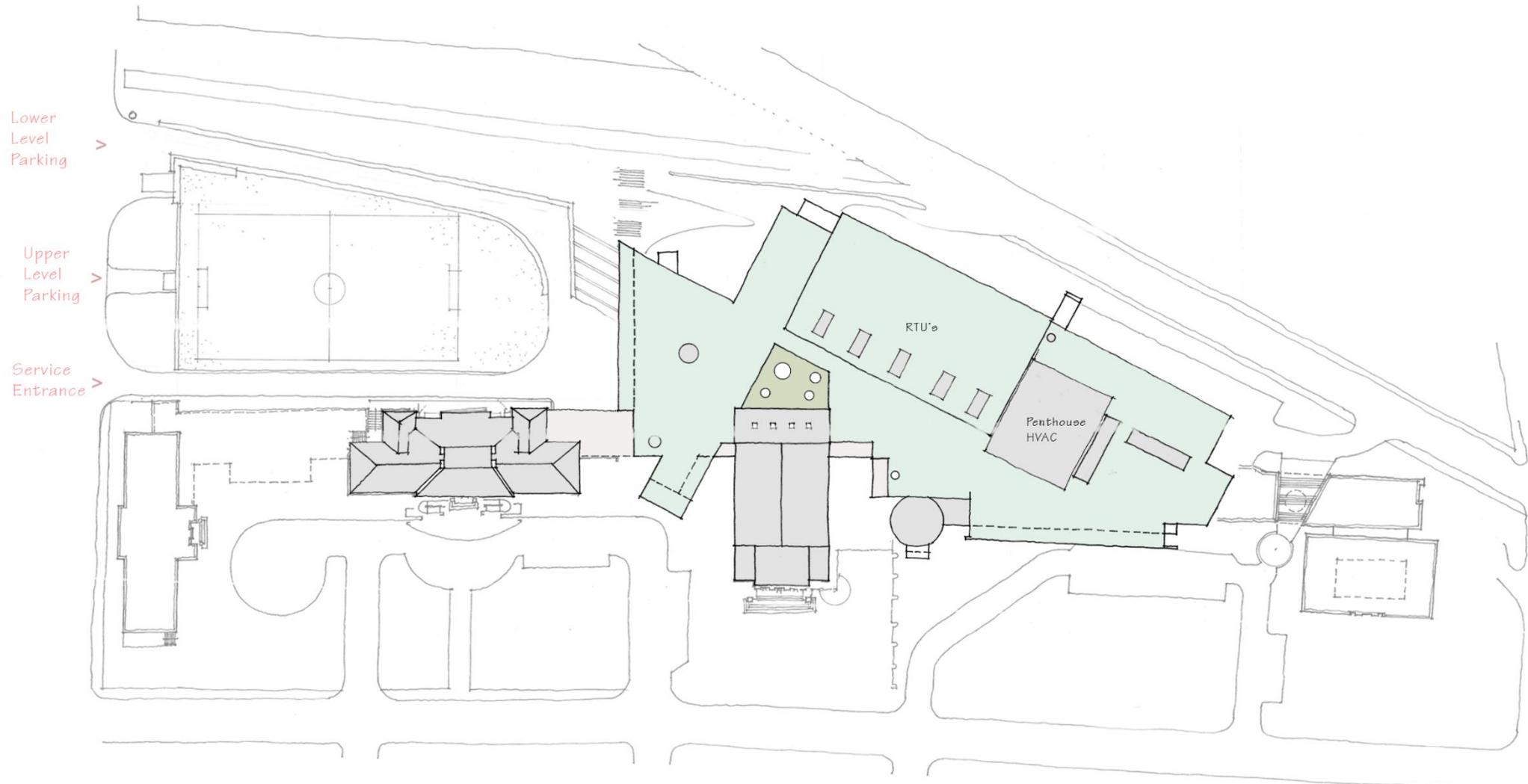
EDUCATIONAL PROGRAM DIAGRAM

Educational Visioning 21st C. Design Patterns

- 1 Varied and Flexible Spaces
- 2 Greeting and Gatekeeping
- 3 Clusters of Learning ➤
- 4 Community Access
- 5 Collaborative Spaces for Learning
- 6 Seamless Technology
- 7 Visible Learning and Transparency
- 8 Athletic Facilities
- 9 Outdoor Spaces
- 10 Sustainability
- 11 Effective Classrooms
- 12 Campus Feel



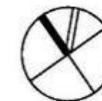
Alternative 4b Roof Plan



Existing High School: MSBA Program Recommendations Plan



- Square Footage Meets MSBA Requirements
- Not Within a Typical MSBA High School Program
- 10% or More < MSBA Space Standards
- Not Part of MSBA Program



Somerville High School GSF	
LEVEL	AREA
SHOP LEVEL	50470 SF
RED PLANS	
1ST FLOOR	129100 SF
2ND FLOOR	90200 SF
3RD FLOOR	63710 SF
4TH FLOOR	55030 SF
TOTAL GSF	388520 SF