



Somerville High School

SHS School Building Committee Meeting



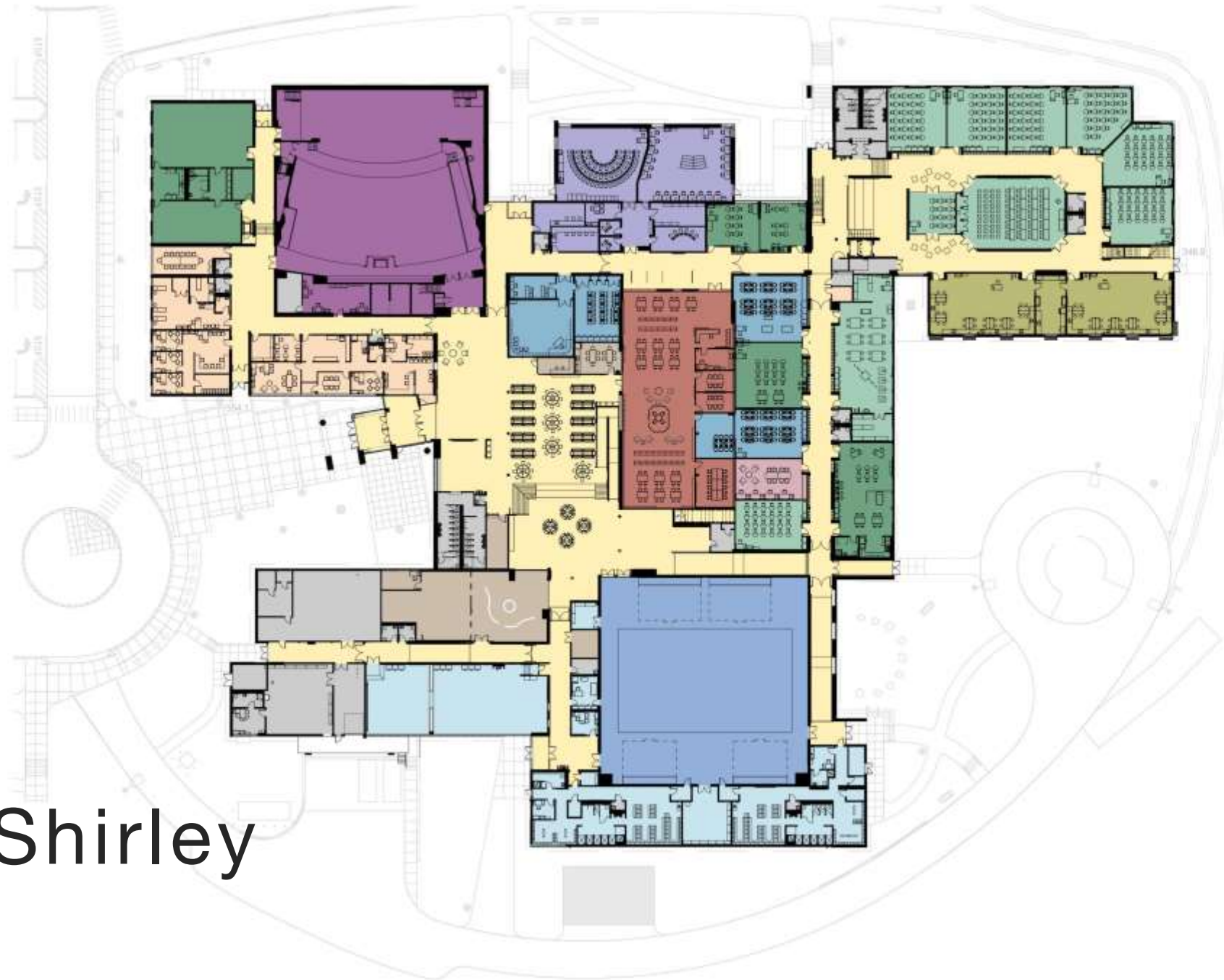
September 13, 2016

Somerville High School

Agenda:

- Mass Historic & Local Historic
- Sustainability & Energy Efficiency
Partial A/C
- Educational Planning Work Group
Schematic Design Program & Plan Design Considerations
- Site Master Planning
GLX Project Updates
- Exteriors Working Group
Virtual Reality Walkabout
- Schedule and Next Steps
- Working Group Schedule for Schematic Design

Ayer Shirley





Ayer Shirley

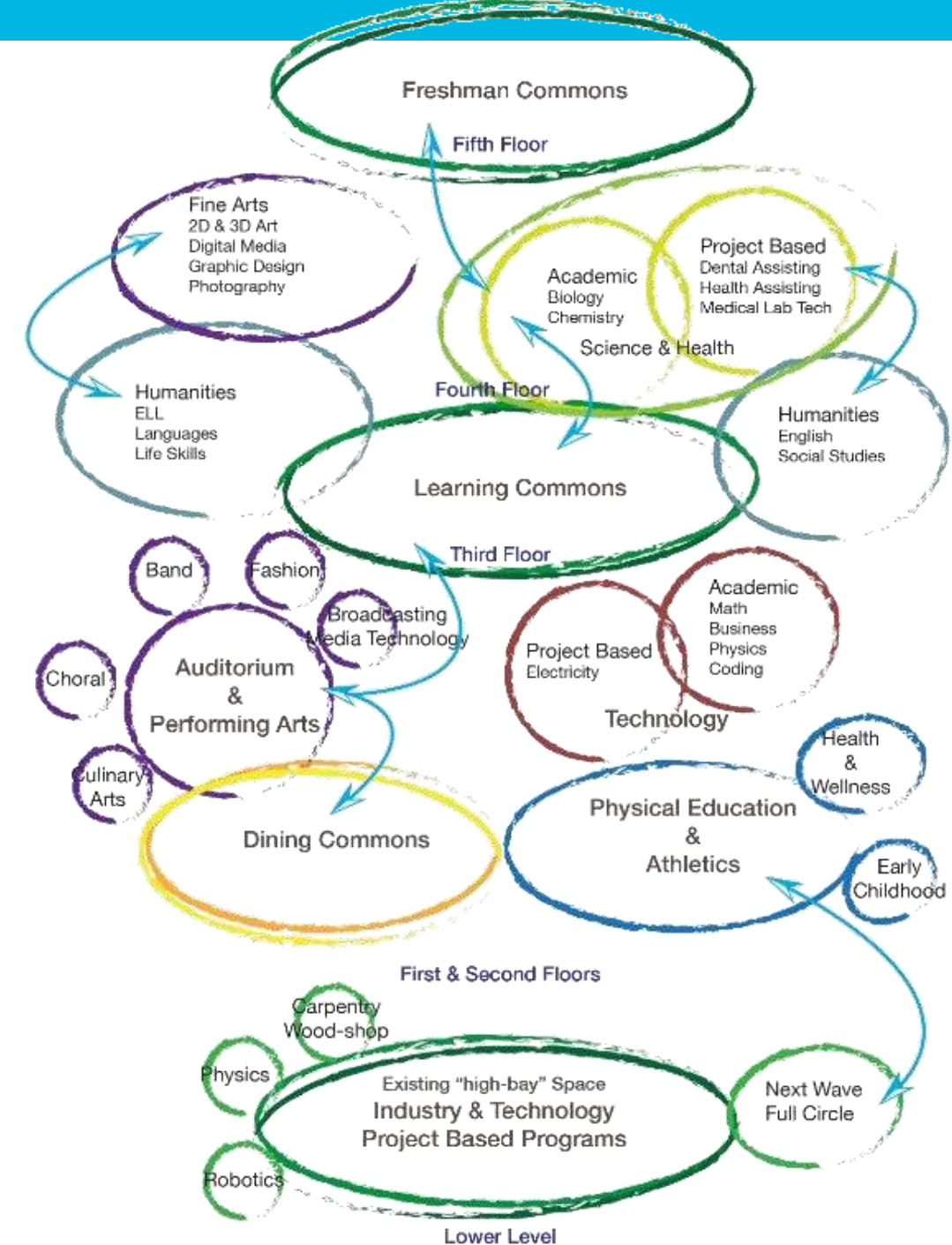


Ayer Shirley



Educational Planning Updates

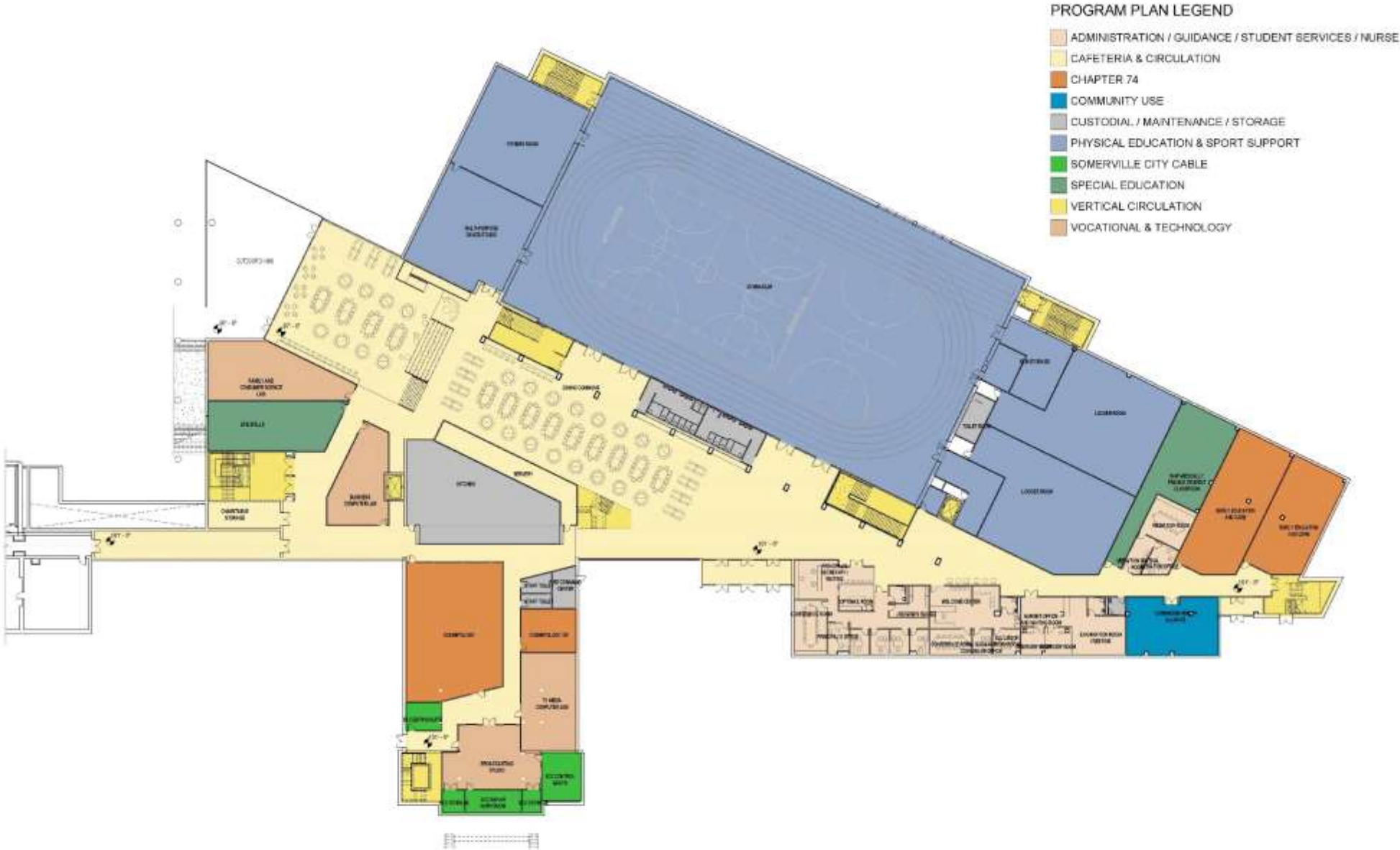
- 21st Century Teaching & Learning
 - Differentiated Learning
- Building & Program Organization
- Space Verification
- Phasing Considerations



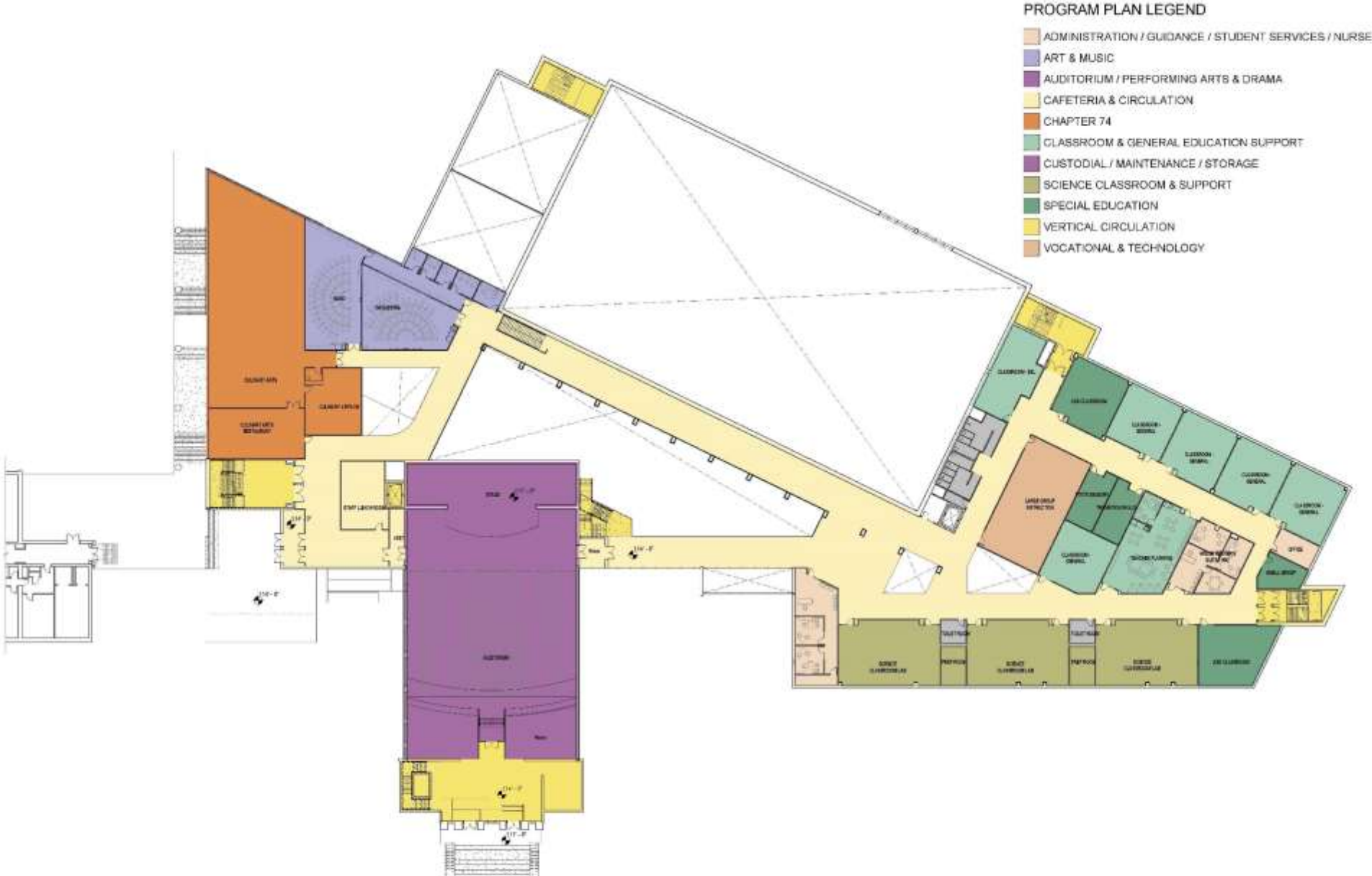
Floor Plans - Lower Level



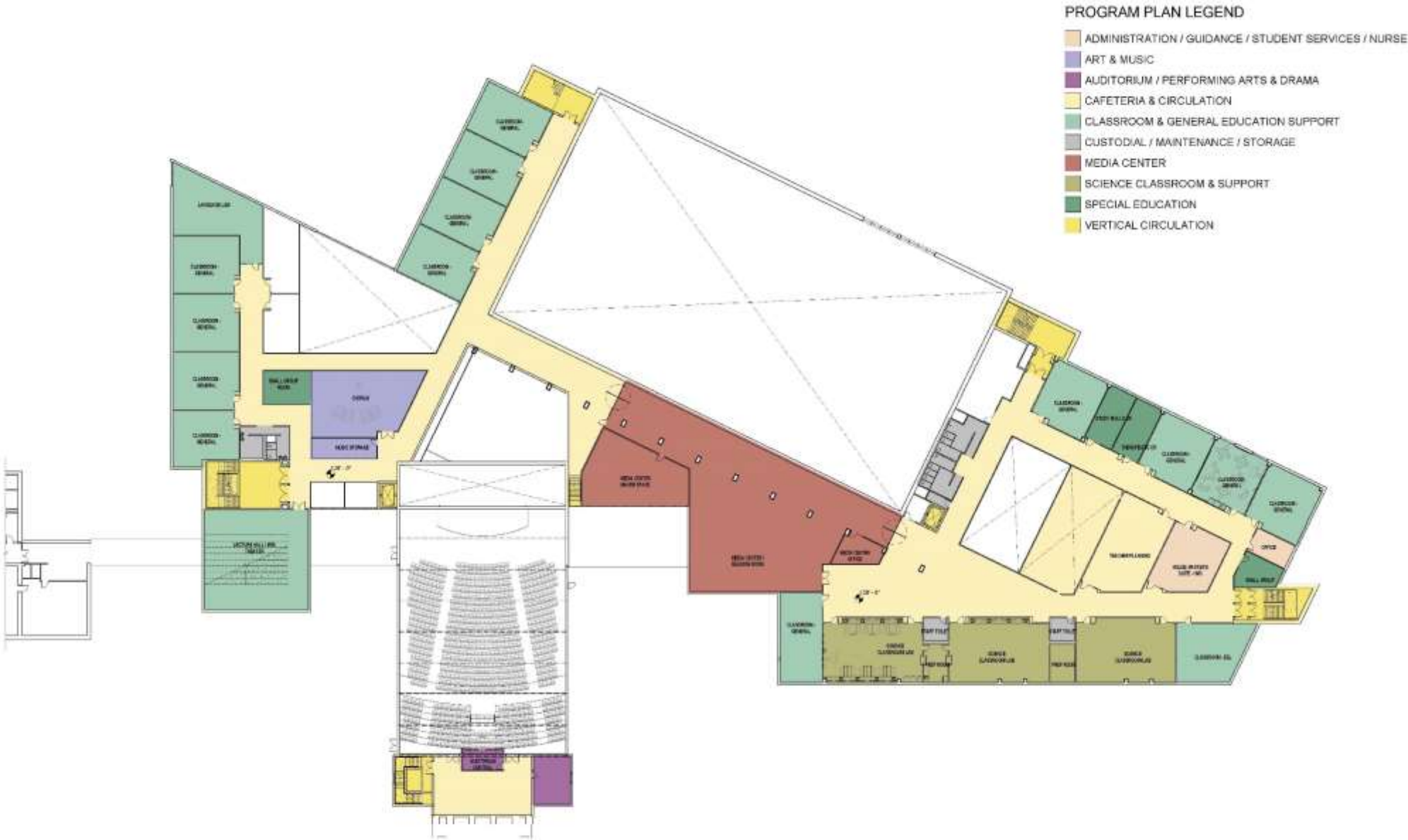
Floor Plans – Level 1



Floor Plans – Level 2



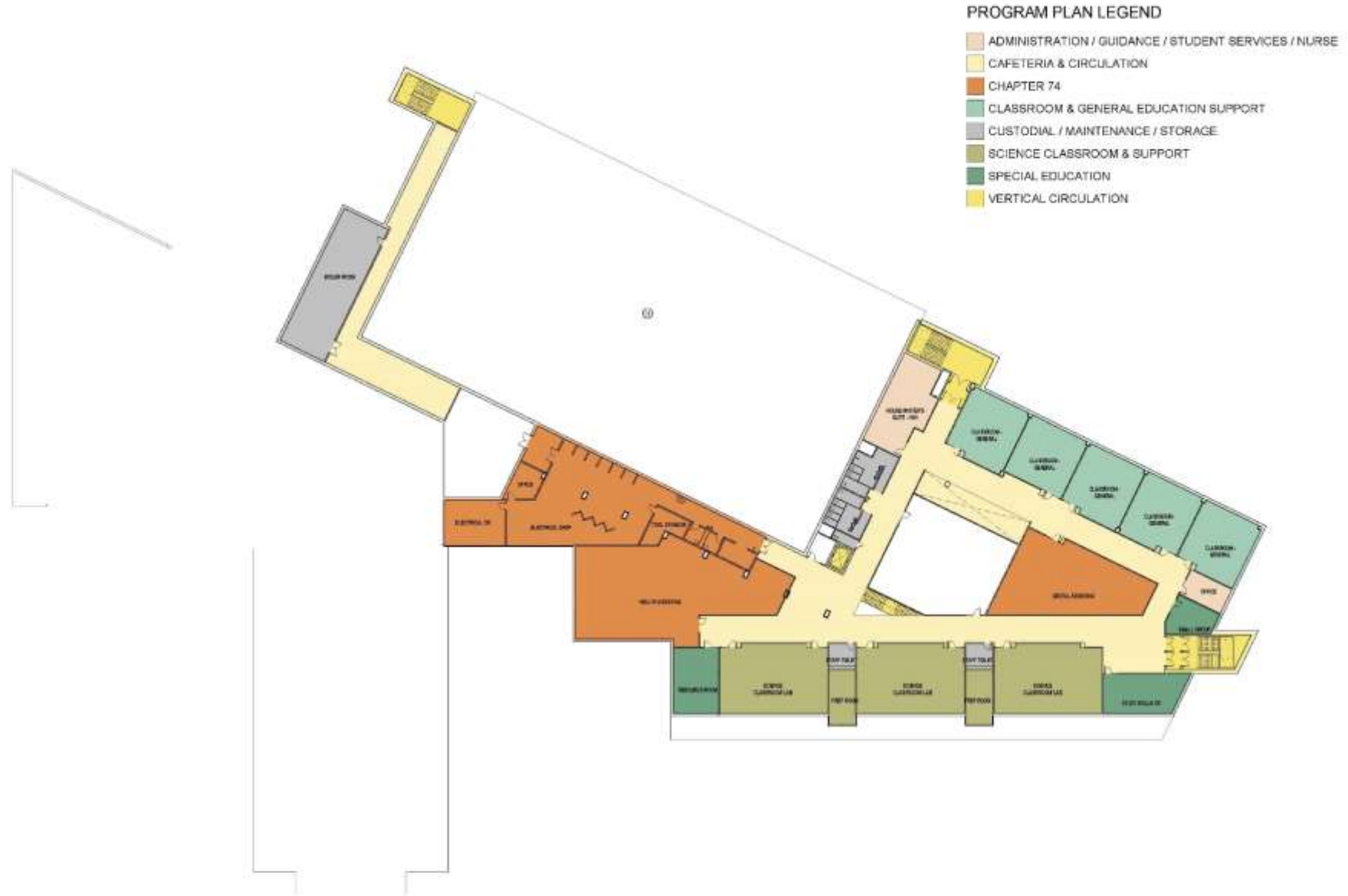
Floor Plans – Level 3



Floor Plans – Level 4



Floor Plans – Level 5



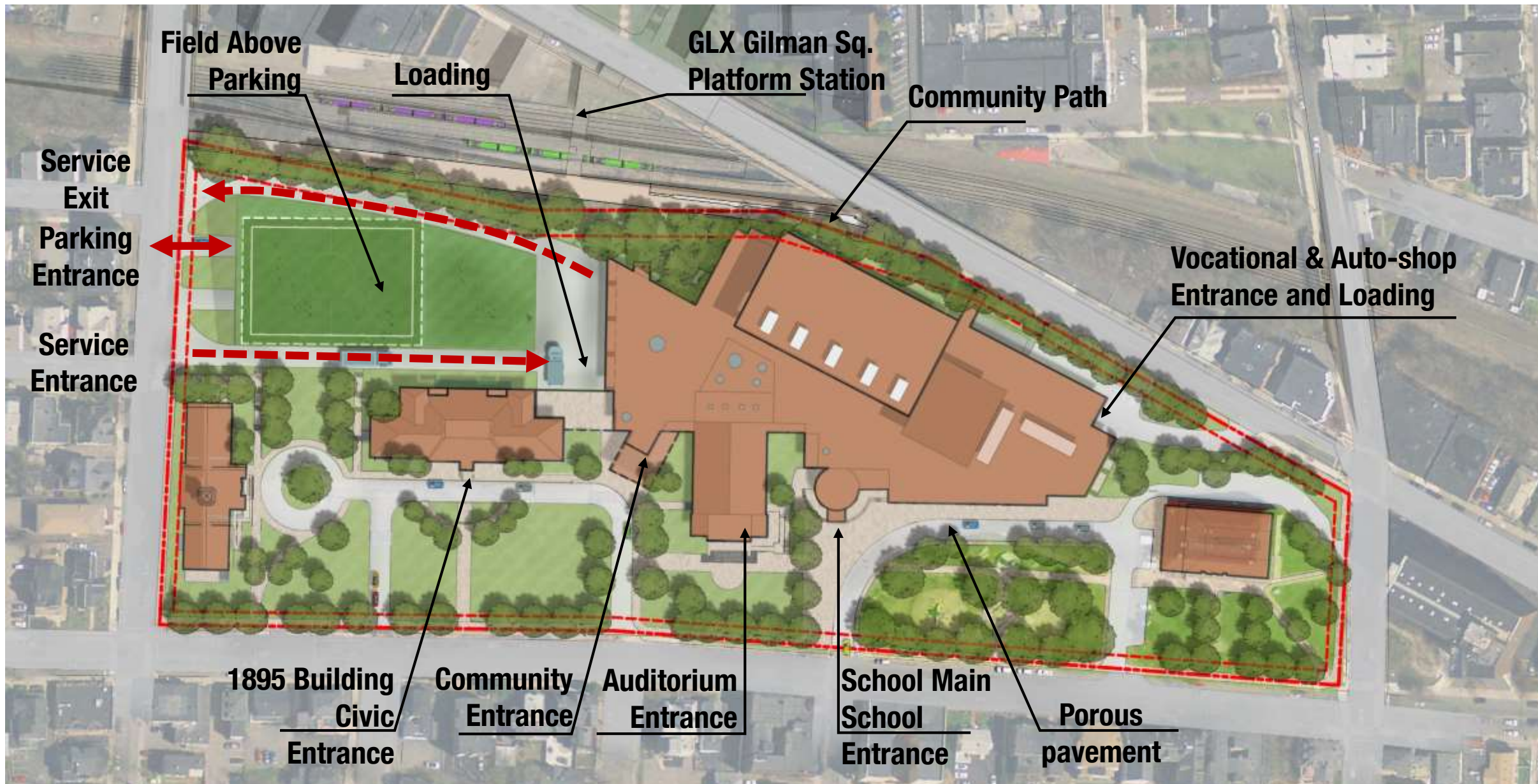
Building Connections: Linking Gilman Square to Union Square via the Central Hill Civic Campus



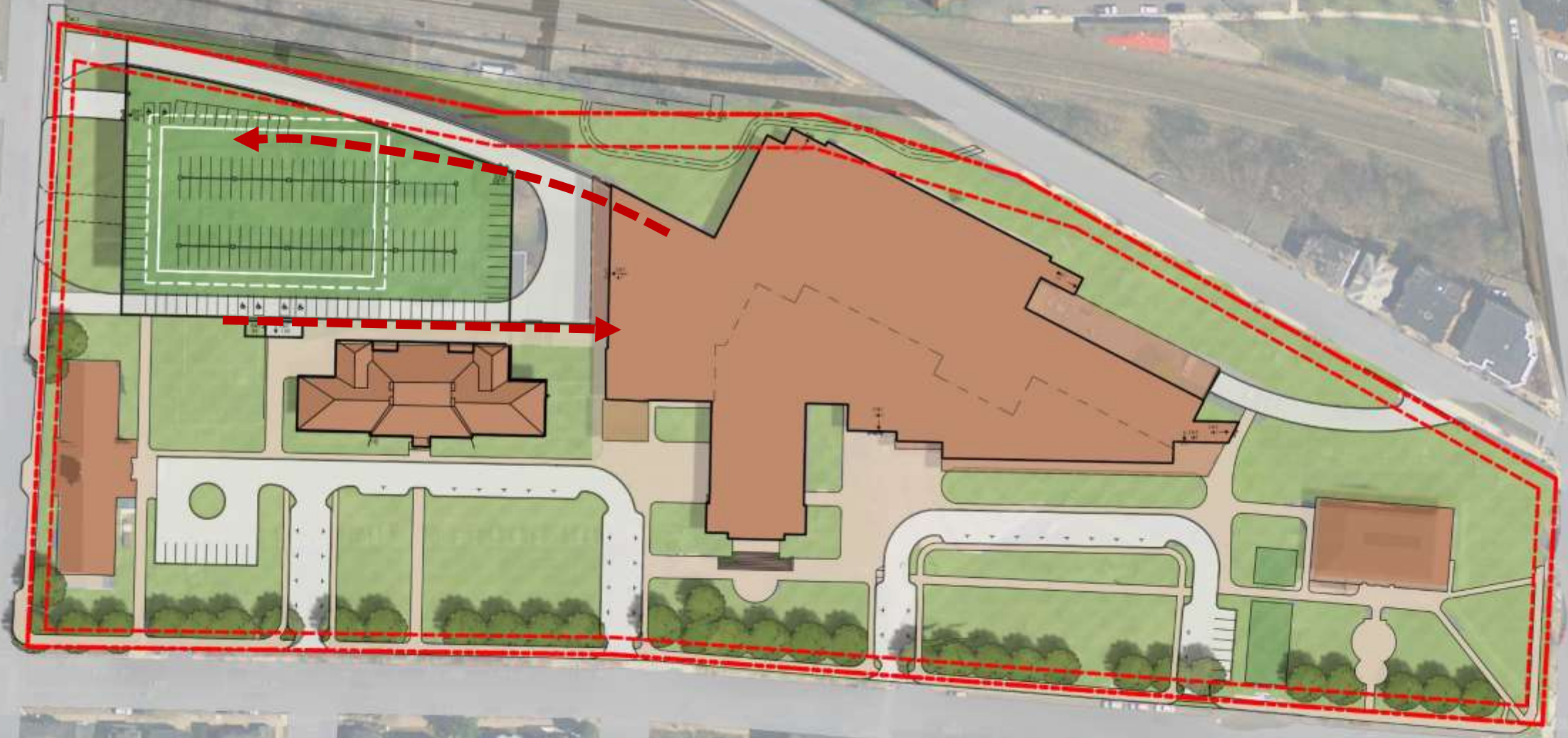
Somerville *by*
DESIGN



Site Plan



Site Plan



Site Plan Working Group

Stormwater Management

- Meet City Guidelines and strategies
- “Continental Divide”: Union Sq. and Mystic River Watershed
 - Underground and above ground storage tanks:
 - Irrigation for landscape & potentially for “lawns”
 - Educational and program (Bio & Plumbing)
 - Bio retention (landscape/ raingardens)
 - Porous pavement
 - Circulations and parking zones – cobbles and/or asphalt

Power

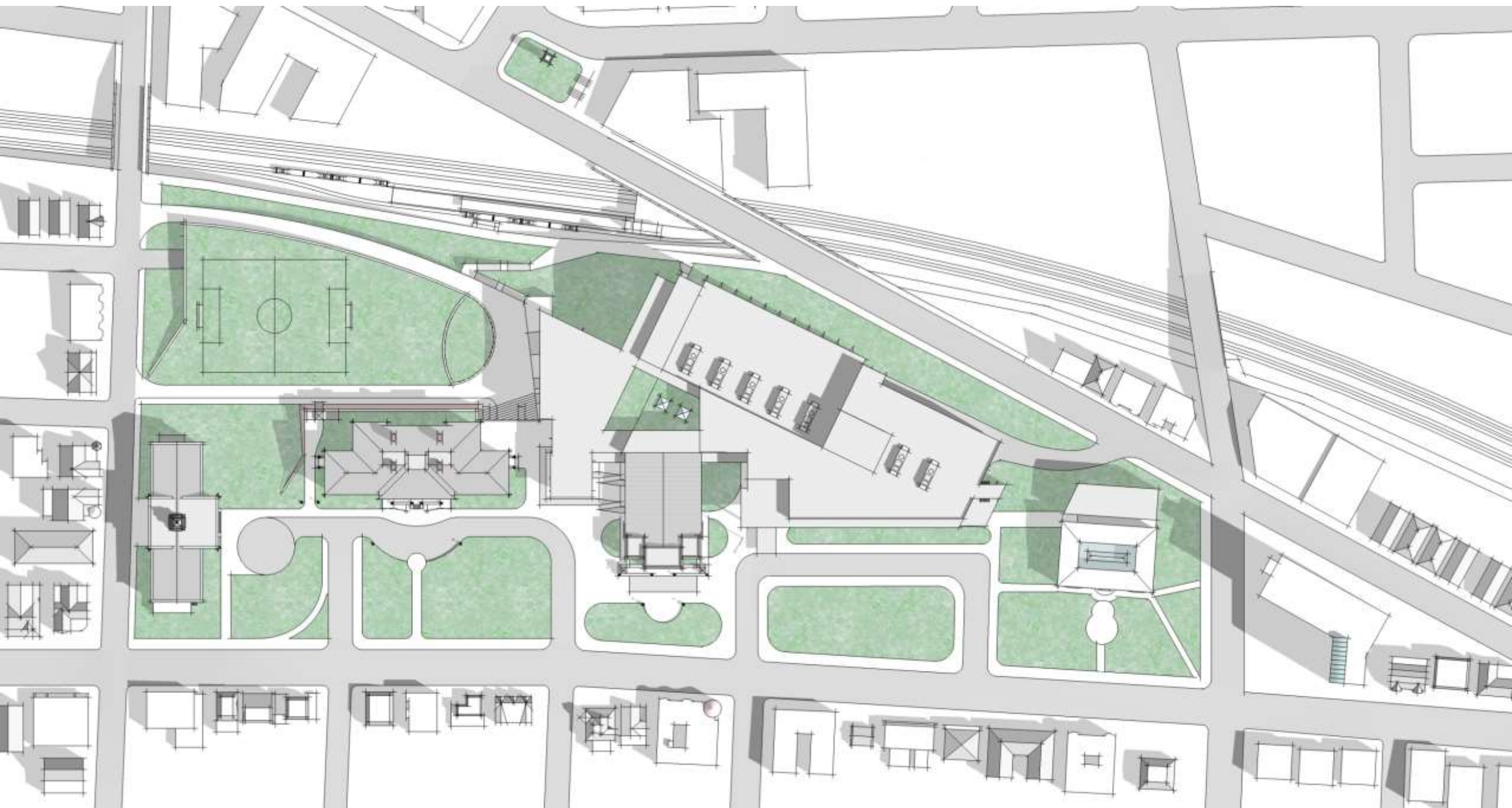
- Building requires two transformers
 - Location(s) TBD – at front

Water and Sewer

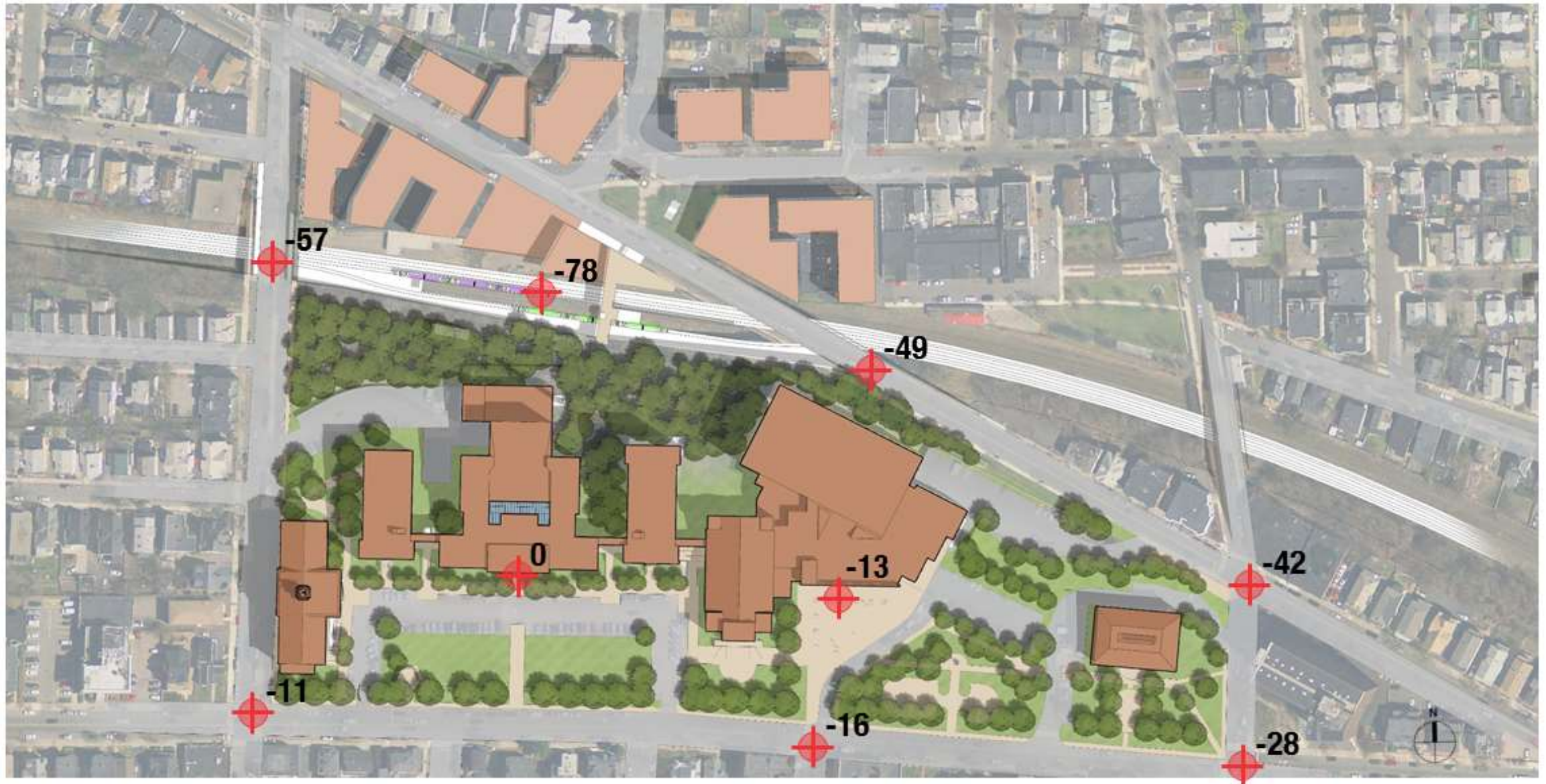
- Test conducted for hydrant flow
- Fire pump required
- “Loop” for fire protection TBD

Gas Service

- In process
- Service off Medford due to capacity
- Highland Ave also discussed
- Gas “train” visual impact & location



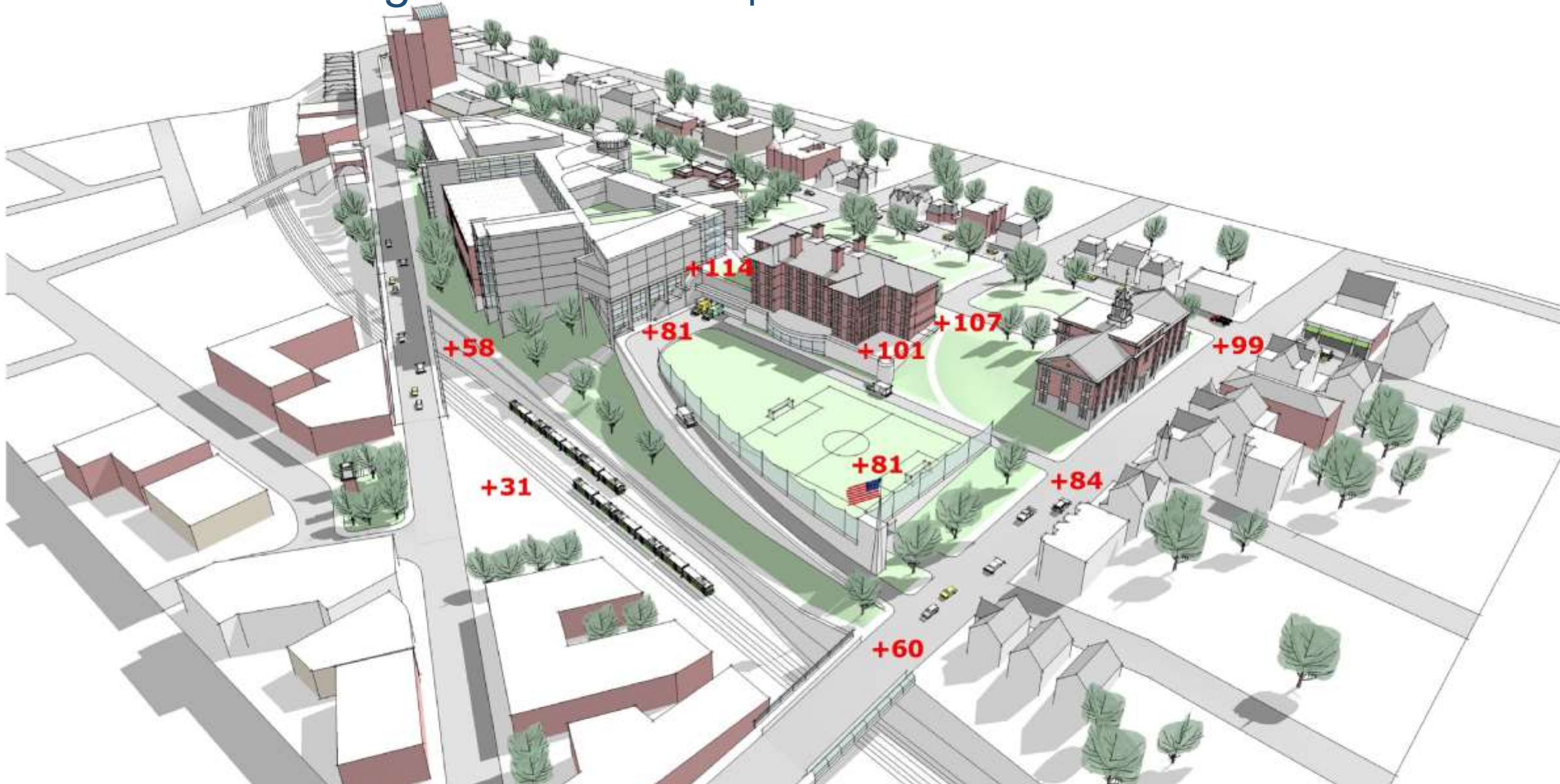
Somerville High School - Spot Grades



Existing Conditions

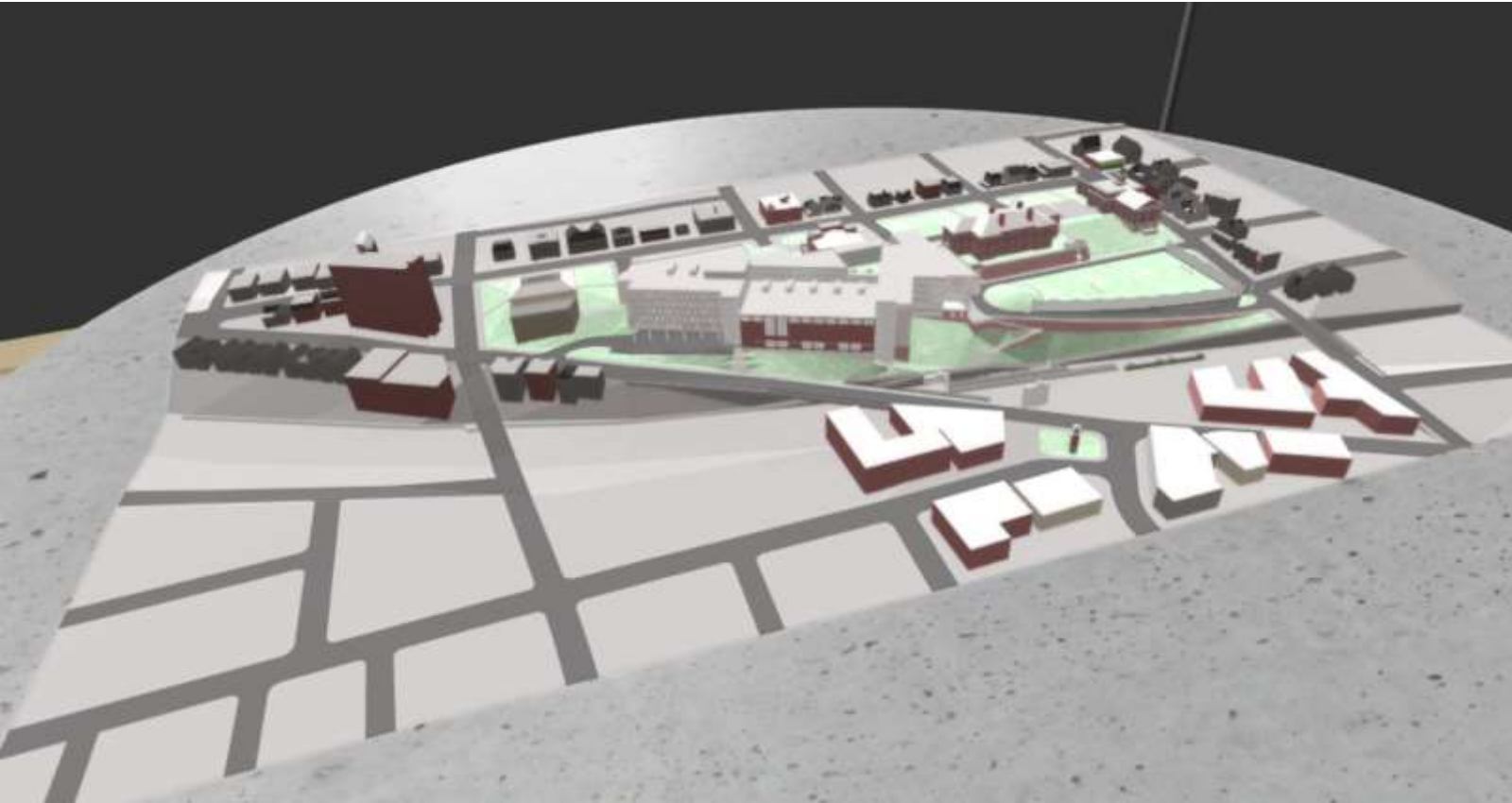


Somerville High School – Spot Grades

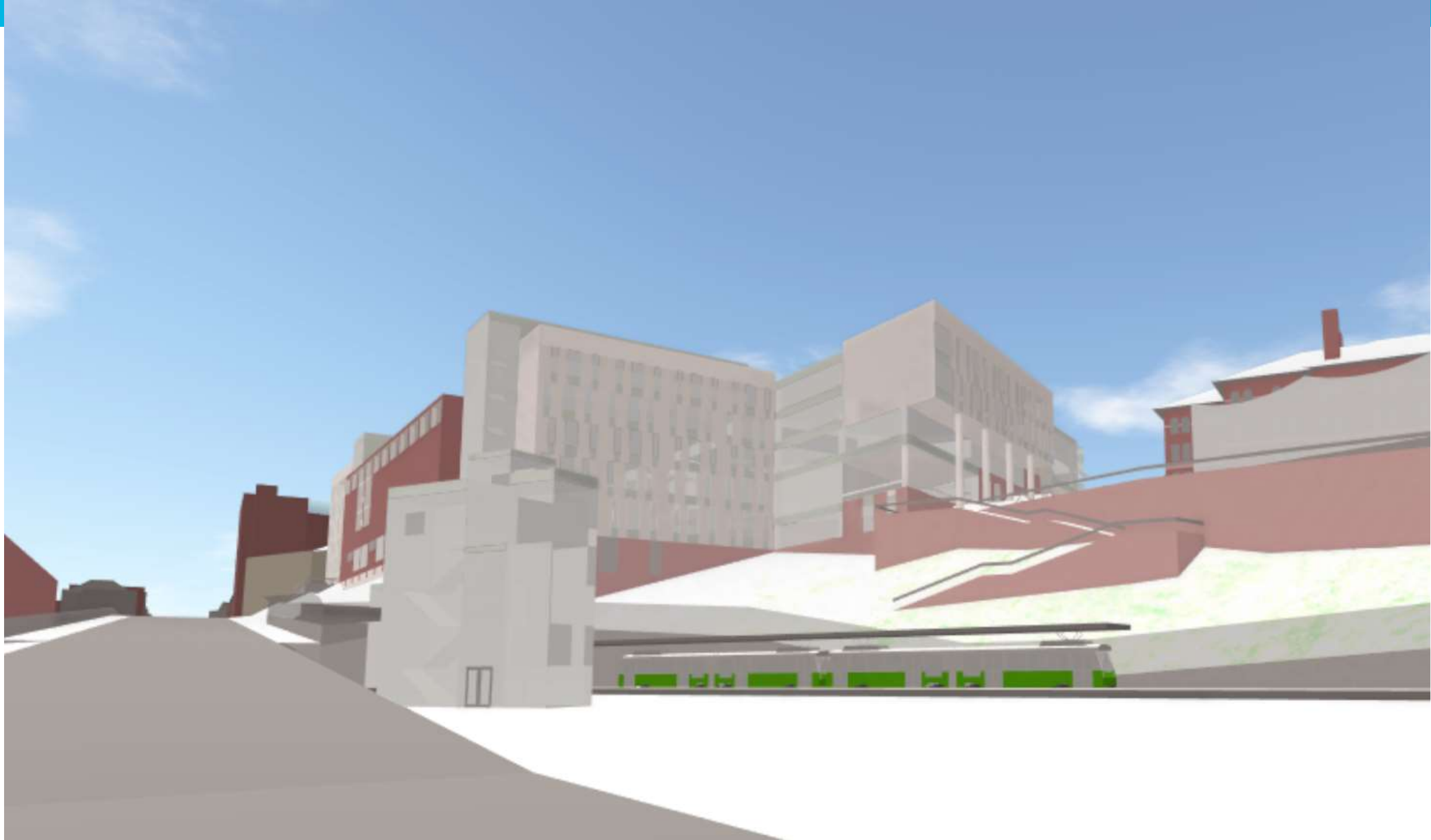




Virtual Reality (VR)



























Existing



Existing

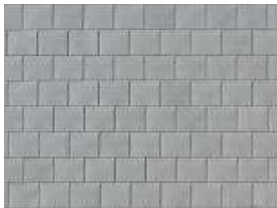




Existing

CMU Brick /Stone	Arriscraft (Thin set MFD stone)	Metal Tiles Metal Panels	Porcelain Panels Phenolic Panels	Terracotta Channel Glass
---------------------	------------------------------------	-----------------------------	-------------------------------------	-----------------------------

Low	\$/sf	\$/sf	\$/sf	\$\$/sf	\$/sf
High	\$\$\$ /sf	\$\$/sf	\$\$/sf	\$\$\$ /sf	\$\$\$ /sf



Exterior Closure Materials



Textures



Materials: Porcelain Tile Rainscreen



Building for our time



Building for our time



Screening



Screening





Screening



Materials and Textures



Thank you