

RICHLAND SCHOOL DISTRICT TWO DISTRICT-WIDE EDUCATIONAL FACILITIES ASSESSMENT AND ENHANCEMENT PLAN

FINAL REPORT
8 MARCH 2018

PERKINS+WILL



QUACKENBUSH ARCHITECTS + PLANNERS



CONTENTS

REPORT		
1.0	EXECUTIVE SUMMARY	03
2.0	OVERVIEW: ELEMENTARY SCHOOLS	14
2.0	Model Program, Model Plan	
2.1	Bethel-Hanberry Elementary School	
2.2	Bookman Road Elementary School	
2.3	Bridge Creek Elementary School	
2.4	Catawba Trail Elementary School	
2.5	LW Conder Integrated Arts Magnet Elementary School	
2.6	Forest Lake Elementary School	
2.7	Jackson Creek Elementary School	
2.8	Joseph Keels Elementary School	
2.9	Killian Elementary School	
2.11	Lake Carolina Upper Elementary School	
2.12	Langford Elementary School	
2.13	Lonnie B. Nelson Elementary School	
2.14	North Springs Elementary School	
2.15	Polo Road Elementary School	
2.16	Pontiac Elementary School	
2.17	Rice Creek Elementary School	
2.18	Round Top Elementary School	
2.19	Sandlapper Elementary School	
2.20	Windsor Elementary School	
3.0	OVERVIEW: MIDDLE SCHOOLS	133
3.0	Model Program, Model Plan	
3.1	Blythewood Middle School	
3.2	Dent Middle School	
3.3	E. L. Wright Middle School	
3.4	Kelly Mill Middle School	
3.5	Longleaf Middle School	
3.6	Muller Road Middle School	
3.7	Summit Parkway Middle School	
4.0	OVERVIEW: HIGH SCHOOLS	221
4.0	Model Program, Model Plan	
4.1	Blythewood High School	
4.2	Richland Northeast High School	
4.3	Ridge View High School	
4.4	Spring Valley High School	
4.5	Westwood High School	
5.0	OVERVIEW: CENTERS	282
5.1	Center For Inquiry	
APPENDIX		
6.0	APPENDIX	290
6.1	Meeting Collateral, June 26 2017 Planning Meeting	
	Agenda	
	Attendees	
	Presentation Slides	
6.2	Meeting Collateral, June 27 2017 Planning Meeting	
	Agenda	
	Attendees	
	Presentation Slides	
6.3	Meeting Collateral, June 28 2017 Planning Meeting	
	Agenda	
	Attendees	
	Presentation Slides	



1.0

Executive Summary

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EXECUTIVE SUMMARY:

Introduction:

Located in the Northeast quadrant of the Columbia, South Carolina metropolitan area, the fast-growing Richland School District Two covers over 157 square miles and serves more than 28,500 PreK-12 grade students in 41 schools and centers. As conveyed in the district's mission and vision statements, Richland School District Two offers students a plethora of academic opportunities to explore areas of interest in preparation for successful citizenship.

Mission: In Partnership with our community, Richland School District Two will work to develop the global citizens of tomorrow – citizens who are prepared to lead and excel in their chosen pathway.

Vision: Richland Two strives to be the premier school district – a learning and working environment where all partners are committed to creating, sustaining, and investing in a culture and environment of excellence and where all are afforded the opportunity to maximize their gifts and talents as they pursue their pathway to purpose.

Through an RFP selection process that commenced in late 2016, Richland Two commissioned Perkins+Will in association with Quackenbush Architects & Planners, in the spring of 2017 to “provide architectural space programming and planning services for future and existing elementary, middle, and high schools.” That process (described herein) launched in June of 2017 and concludes with the publication of this report.

Purpose

In 2015, Richland Two's Long-Range Facility Study was updated by MB Kahn. That study offers a ten-year future window into enrollment trends and identifies major repairs and needed renovations to improve facilities. The Long-Range Facility Study, however, did not fully explore the educational adequacy as compared with a current district-wide vision for teaching and learning nor how current schools compare with space programming for a new model school. This current report, the Richland School District Two District-Wide Educational Facilities Assessment and Enhancement Plan, attempts to fill that gap by offering an educational adequacy assessment (methodology described herein) of current schools as compared to Guiding Principles and model school programs for new facilities. This report can and should be viewed as a companion document to the Long-Range Facility Study to provide a comprehensive look at both physical and educational adequacy of Richland Two's school campuses.

General Findings

As with many school districts that have aging facilities, the older portions of Richland School District Two's school campuses were designed and built for a different educational model, a different economy, and different expectations around learning outcomes. Namely, these older school facilities represent a “teacher-centered” model where the teacher was the focus, the “keeper”, of all knowledge and where classrooms were designed for students to learn via direct instruction -- teacher at the front of the classroom transmitting information to students arrayed in tidy rows of desks. Schools of this generation, common throughout the United States, are typified by equally sized classrooms primarily designed for one teacher and approximately 25 students organized on opposite sides of a corridor. This model was efficient and reflected expectations during the decades when the schools were built.

By contrast, today's learners need to prepare for what futurists predict will be relentless change, ferocious competition, unstoppable innovation, and rapid globalization. Therefore, students face an interesting, but uncertain future as the global economy and competitive landscape continue to shift. Some speculate that students today will likely have as many as different 17 jobs in their lifetime and that many of those jobs have yet to be invented. Today and in the future, the competencies and habits-of-mind necessary to successfully navigate and compete in this environment have evolved. While knowledge - the content of learning - is critical, so too are skills and dispositions such as: good interpersonal communication; the ability to collaborate; the capacity to synthesize disparate information into new ideas; adeptness at creative problem solving; demonstrating grit and resilience, to name a few. Traditional “teacher-centered” education was aimed at knowledge transfer and not necessarily at the formation of these other core skills and competencies.

While the average school age in the U.S. is nearly 50 years, Richland Two's portfolio of schools has a distinct advantage of being nearly half that age (27 years). While the older, and some newer buildings do exhibit select negative qualities depicted above, several facilities constructed recently can be viewed as models of future ready learning environments (i.e. Jackson Creek, Muller Road) that support collaboration, interdisciplinary instruction and host of other important characteristics. Contained in this report are ideas as to bring schools into alignment with best practices, the model school space programs and Guiding Principles established via the assessment

process. We encourage readers to peruse the assessment and the pages of this report to discover the findings for individual schools.

The authors of the report would be remiss if we did not congratulate Richland Two's operations and maintenance staff for the dedication and care taken to clean and maintain each individual school campus grounds and building.

Using This Report

The report provides a window into the general process used and the results for each individual campus. Major sections are broken down by school type (elementary, middle, high, centers) where readers will find a summary of major findings by school type and the analysis of each school campus. Information is conveyed throughout the report in bullet form to more quickly convey content. Section 6.0 is an appendix providing further information about the process used and presentations given.

The intent of this report is to convey an understanding of the issues uncovered at each campus and a rational approach to solutions. As the time arrives for a potential project to launch, a qualified team of architects and engineers should use this document as a guide to possible solutions and not the final solution.

As noted herein, the educational adequacy survey lives online providing Richland Two a way to do a deeper dive into any individual school that was surveyed as well as a number of aggregating pages providing comparative data.

Acknowledgements

The Perkins+Will/Quackenbush Architects & Planners team wishes to convey our heartfelt “thank you” to Richland School District Two, it's central administrative leadership team, as well as all school Principals who tirelessly accommodated many meetings and requests for input and feedback. Special acknowledgement is deserved by Superintendent Dr. Baron R. Davis for his vision and leadership throughout the process and to Harry Miley, Chief Financial Officer. This process and results could not have happened without the steadfast support and guidance of Will Anderson (Executive Director of Operations and Logistics), Jack Carter (Chief Operations Officer) and Ed Watson (Director of New Construction) all of whom provided unwavering support to the process sparing numerous hours from their busy schedules.

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1.1 Framework

PROCESS / Methodology

In 2015, Richland Two's Long-Range Facility Study was updated by MB Kahn. That study offers a ten-year future window into enrollment trends and identifies major repairs and needed renovations to improve facilities. The Long-Range Facility Study, however, did not fully explore the educational adequacy as compared with a current district-wide vision for teaching and learning nor how current schools compare with space programming for a new model school. This current report, the Richland School District Two District-Wide Educational Facilities Assessment and Enhancement Plan, attempts to fill that gap by offering an educational adequacy assessment (methodology described herein) of current schools as compared to Guiding Principles and model school programs for new facilities. This report can and should be viewed as a companion document to the Long-Range Facility Study to provide a comprehensive look at both physical and educational adequacy of Richland Two's school campuses.

Through an RFP selection process that commenced in late 2016, Richland Two commissioned Perkins+Will in association with Quackenbush Architects & Planners, in the spring of 2017 to “provide architectural space programming and planning services for future and existing elementary, middle, and high schools.” That process launched in June of 2017 and concludes with the publication of this report.

Richland District Two leadership and staff gathered during June 26-29, 2017 for four days of Programming and Planning Meetings (see Appendix for meeting collateral). Attendees shared their “aspirational objects.” Outcomes from those meetings included Visioning Words, including Flexibility, Passion, Pathways, and Create/ Creativity, which were identified as being most important (see full list on next page).

Facility surveys were conducted September 25-28, 2017. Using aerial photography and site visits, the sites were professionally evaluated against a palette of performance criteria. The survey results were visualized on a website hosted at Richland2assessment.perkinswill.io.

Using existing base floor plans, composite floor plans were assembled to graphically convey the current functional arrangement of each building, by floor level.

Model programs for elementary, middle, and high schools were generated to serve as a baseline and a reference for parity across district campuses.

Site observations, photos, and floor plans were compared to the model programs. Key strengths, key challenges, program deficiencies were noted. Strategies to address gaps were applied to each campus, and recommendations were made for each campus.

The facilitators returned to share first draft of assessment findings November 20-21, 2017.

This final Report was issued in March of 2018.

PROCESS / Assumptions

Plans shown in this Report were provided by Richland District Two and have been compiled to generally represent conditions for visual reference only. Overall plans are archival composites and may comprise various renovation or addition projects completed at different times. Plans in this Report do not constitute “as-built” drawings; Verify in Field all conditions.

Plans in this report are Not To Scale. An approximate scale has been calibrated assuming standard doors 3'-0” in width.

Areas noted in this report are approximate. Grossing factors and field conditions may impact final international areas.

Site visits represent a “moment-in-time” snapshot of conditions as they existed. Physical and operational modifications made after the survey date may impact the findings and recommendations.

PROCESS / Definitions

Area of Concern - Pedestrian

An area where pedestrian safety may be compromised. Critical issues can include intersecting or conflicting pedestrian/vehicular paths, poor pedestrian visibility, unacceptable cross-walk wait times, lack of an accessible (ADA-compliant) route, lack of sidewalks or cross-walks, and unclear wayfinding

Area of Concern - Water

An environmentally sensitive or damaged area. Critical issues can include poor drainage, localized flooding or erosion.

Area of Concern - Vehicular

An area where vehicular circulation may be compromised. Critical issues can include intersecting or conflicting vehicular paths, poor visibility, unacceptable queuing wait times, and unclear wayfinding.

Net Square Feet (NSF)

The total area within the walls of a room, or a series of rooms, including both assignable and non-assignable rooms. NSF excludes wall thicknesses and general circulation areas.

Building Gross Square Feet (BGSF)

The total area of a building, including interior and exterior wall thicknesses and interior circulation areas. “Open to below” areas and outdoor spaces are not included in BGSF.

VISIONING WORDS

FLEXIBILITY * * *

PASSION *

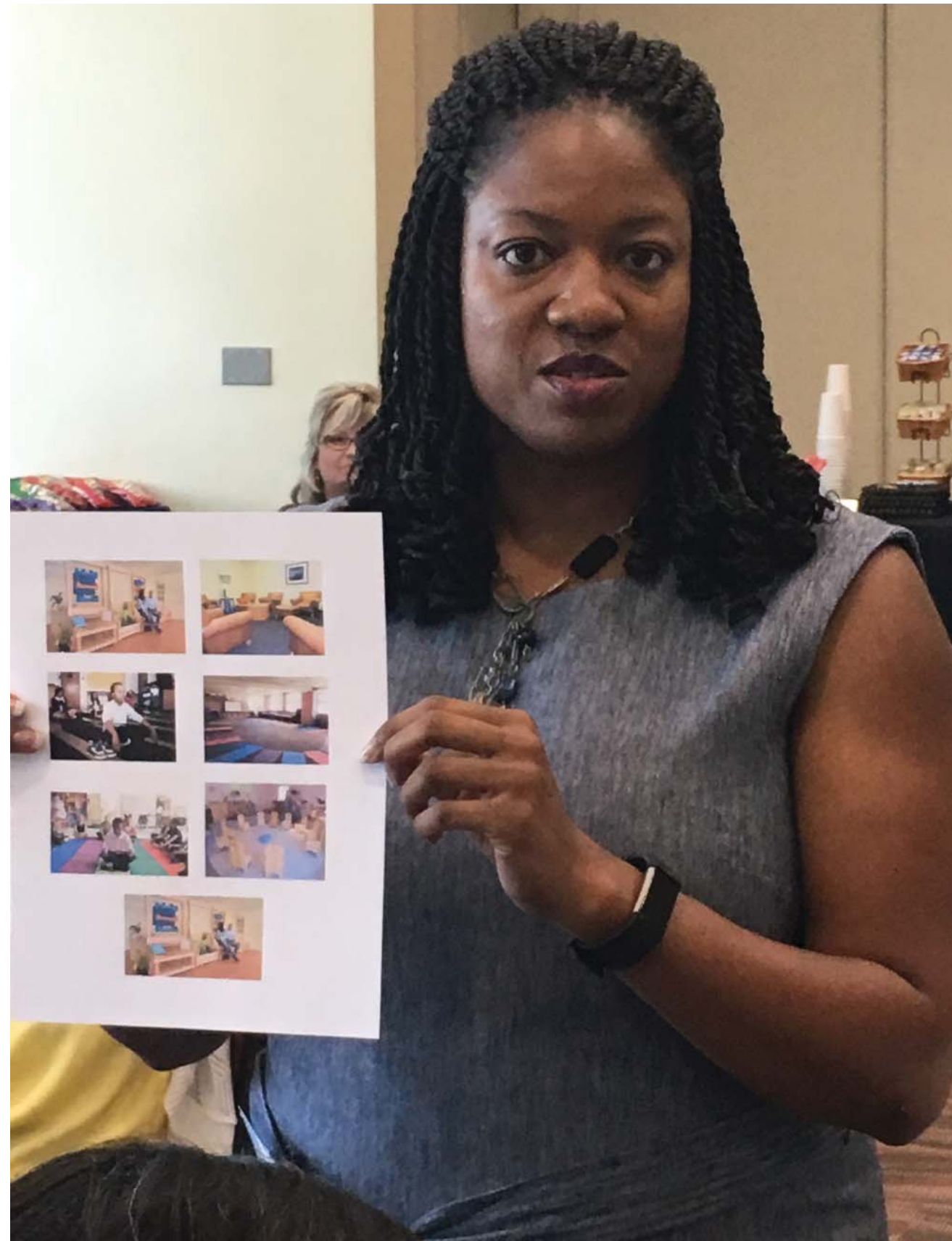
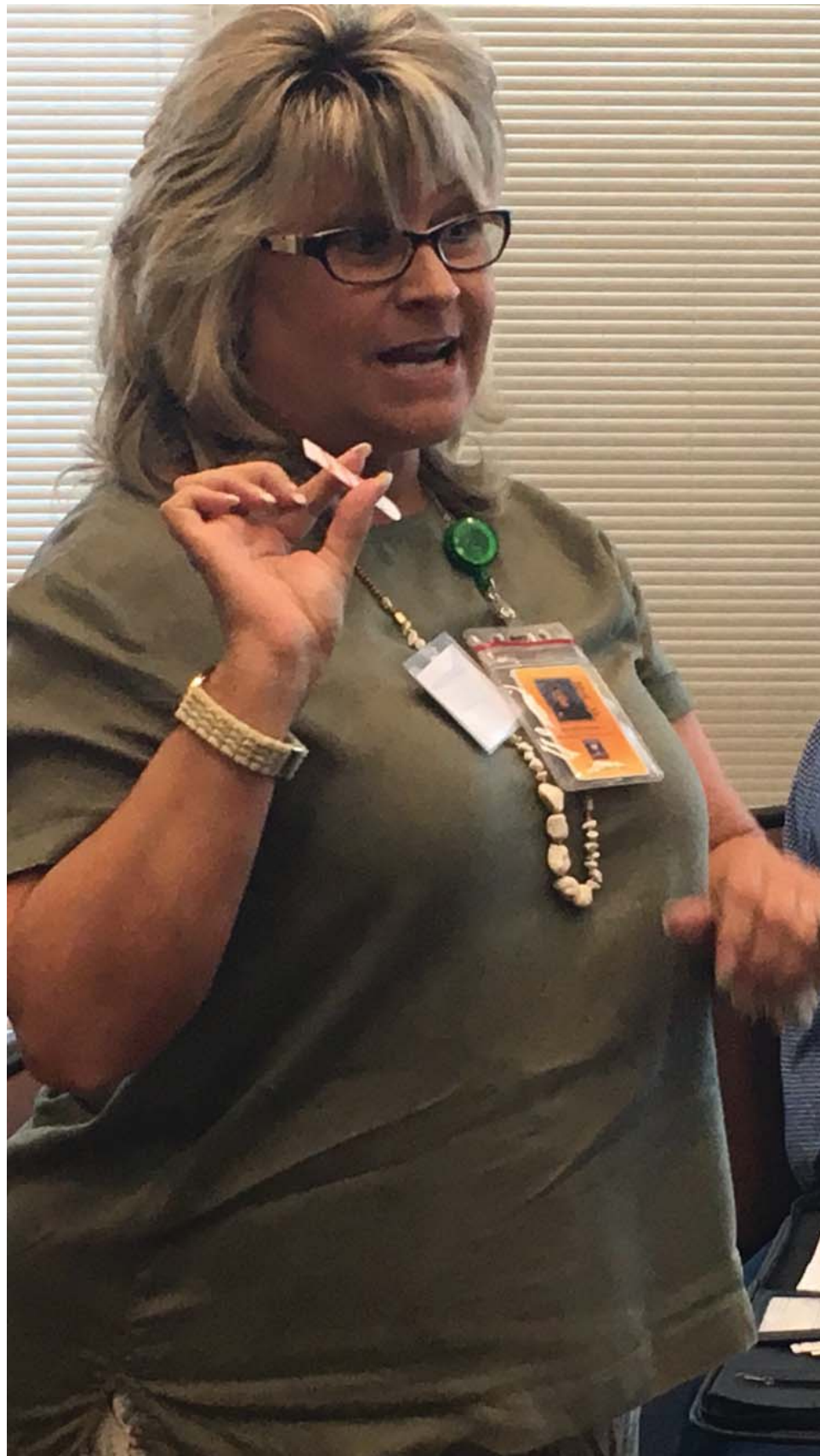
PATHWAYS *

CREATE/CREATIVITY *

KIDS	CHANGE
INCLUSIONARY	CHARGE
EMPATHY	CUTTING EDGE
FAIR	FREEDOM
INSPIRE	MOBILITY
WORK ETHIC	TRANSFORMATION
COMMUNITY	FOUNDATION
ALL	MINDFULNESS
RENAISSANCE	ADAPTABLE
VERSATILITY	ENTHUSIASM
REVOLUTION	INQUIRY/CURIOSITY
INNOVATIVE	CONSTANCY
ATTITUDE	BALANCE
EFFORT	PERSONALIZATION
WHOA	PURPOSE
PEOPLE	COLLABORATION

Photo: June Workshop participants discuss ideas in small groups





Photos: June Workshop participants present their "aspirational objects"

2017-2020 STRATEGIC PLAN:

Mission Statement:

In partnership with our community, Richland School District Two will work to develop the global citizens of tomorrow - citizens who are prepared to lead and excel in their chosen pathway.

Vision Statement:

Richland School District Two strives to be the premier school district - a learning and working environment where all partners are committed to creating, sustaining, and investing in a culture and environment of excellence and where all are afforded the opportunity to maximize their gifts and talents as they pursue their pathways to purpose.

Guiding Principles Statement:

OUR RICHLAND 2 SCHOOL FACILITIES WILL BE:

- Safe and secure
- Student-centered
- Welcoming and supportive to the community
- Flexible and multi-use
- Cutting-edge, innovative and joyful
- Interdisciplinary and collaborative
- Supportive of personal pathways
- Accessible
- Inclusive
- Sustainable
- Reflective of health and wellness



Our Richland Two school facilities will support:

LEARNING

Learning is the cornerstone on which all that we do in Richland Two is built. We strive to provide innovative learning environments in which all partners can acquire knowledge and skills through quality instruction and engaging experiences. Character, community and Joy help to support this key square.

ACHIEVEMENT GOAL	Richland Two will work to ensure success of all partners by preparing them for their futures.
TALENT GOAL	Richland Two will dedicate resources towards the ongoing development of the gifts and talents of all partners.
CULTURE & ENVIRONMENT GOAL	Richland Two will promote collaboration among all partners in order to build and add to our collective knowledge and expertise.

CHARACTER

Character is a building block to a great education. Positive character traits are essential to becoming contributing members of society. Without opportunities to develop and strengthen strong character traits, learning is not complete.

ACHIEVEMENT GOAL	Richland Two will encourage our partners to demonstrate a high level of moral and ethical character within and outside of the Richland Two community.
TALENT GOAL	Richland Two will work to recruit, develop and retain partners who exemplify character that is ideal with the high expectation of the district and the Richland Two community.
CULTURE & ENVIRONMENT GOAL	Richland Two will work to maintain a culture an environment that reinforces positive character traits.

COMMUNITY

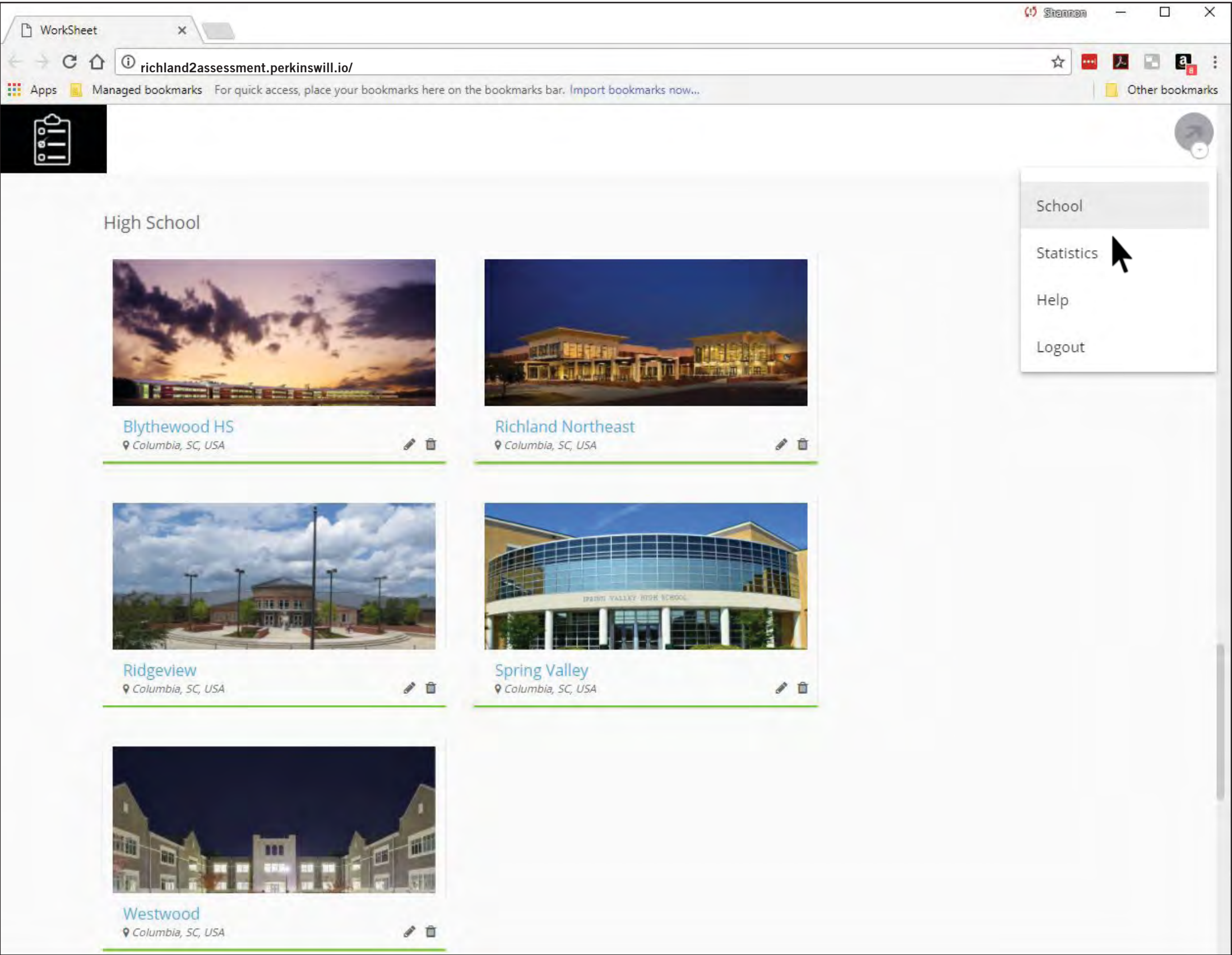
We value the power of working with our entire community - parents, residents, businesses, faith-based organizations, government entities and elected officials (partners). Working together, we strive to continuously improve the Richland Two community and support each other in maximizing our gifts and talents as we pursue our pathways to purpose.

ACHIEVEMENT GOAL	Richland Two will maximize opportunities for partners to collaborate and work together for the greater good.
TALENT GOAL	Richland Two will strive to identify and maximize the collective talent of its partners.
CULTURE & ENVIRONMENT GOAL	Richland Two will work to make the Richland Two community an all-inclusive and desirable place to live, work and play.

JOY

What is success without celebration? We value the practice of honoring our accomplishments. Sharing in the joy of a job well done promotes future success. Just as fans revel in a game won, our Richland Two family should take time to revel in the great achievements made by all of our partners. A joyful environment produces happy and productive people who embrace innovation and learning.

ACHIEVEMENT GOAL	Richland Two will celebrate and recognize the achievement of all partners.
TALENT GOAL	Richland Two will consistently look for ways for our partners to experience joy while learning and working.
CULTURE & ENVIRONMENT GOAL	Richland Two will strive to have a joyful and productive environment for all partners.



Facility Assessment

PURPOSE

The purpose of the facility assessment are to evaluate the suitability of the buildings for their current use, determine suitability for continued investment, and identify strengths, challenges and program deficiencies which inform intervention strategies recommended to achieve the best use of the facilities.

ASSESSMENT PROCESS

The school facilities were surveyed by architects from Perkins+Will and Quackenbush Architects in 2017 and results are hosted on a website located at:

richland2assessment.perkinswill.io/

In the cases of prototypical schools (multiple schools constructed using a prototype floor plan), one campus was surveyed and the results are representative of similar campuses. Prototype school clusters are identified below, with the surveyed campus listed first and identified with an asterisk:

- Bridge Creek* & Lake Carolina Lower Elementary Schools
- Catawba* & Langford Elementary Schools
- Killian* & Bookman Elementary Schools
- Sandpiper*, Polo, & Round Top Elementary Schools
- Blythewood* & Summit Middle Schools
- Kelly Mill* & Longleaf Middle Schools

RATING SYSTEM

Each criteria was rated on a 1-7 scale, with the following scale definitions:

- 1 - Very Unsatisfactory (VU)
- 2 - Unsatisfactory (U)
- 3 - Somewhat Unsatisfactory (SU)
- 4 - Neutral (N)
- 5 - Somewhat Satisfactory (SS)
- 6 - Satisfactory (S)
- 7 - Very Satisfactory (VS)
- N/A - Not Applicable

All criteria were weighted equally (no criteria was deemed to be more important than any other). Findings not captured within this rating system were included as narrative comments.

Photos: Survey outcomes are hosted on a data-based website

CATEGORIES EVALUATED

The facilities were assessed (rated) across the following categories:

Exterior

- Site organization
- Outdoor learning
- Play spaces and play fields
- Building Identity
- ADA-compliance

General Building

- Building arrangement and organization
- Aesthetic appeal
- Accessibility
- Capacity
- Community facilities
- Recycling

Academic and Other spaces

- Ability to support a variety of teaching and learning styles
- Adaptability
- Physical Education and Athletic space location and size
- Performing Arts space location and size
- Performing Arts support space location and size
- Visual Arts space location and size
- Visual Arts support space location and size
- Technical Education space location and size
- Special Education space location and size
- Special Education support space location and size
- Student Dining space location and size
- Extracurricular activity spaces
- Service learning spaces

21st-Century Student Development

- Ability to support a variety of teaching and learning styles
- Display opportunities
- Parity within the district

Library/Media Center

- Location
- Ability to support a variety of teaching and learning styles

Security

- Effectiveness
- Zoning & Location
- Conformity to current standards
- Wayfinding

Adjacencies

- Discipline grouping
- Classroom organization
- Faculty support spaces

Technology

- Classroom technology
- Common facility technology
- Ease of use
- Capacity

Storage

- General storage
- Classroom storage
- Student storage

Furniture, Fixtures & Equipment


- Condition
- Adaptability

Environmental Quality


- Acoustics
- Temperature
- Lighting (natural and artificial)
- Air quality
- Views
- Sustainability

Controllability of Systems

- Temperature controls
- Light controls
- Window shades
- Classroom light switching



Bethel-Hanberry



ADD QUESTION

Does the site permit desirable separation of vehicular, bus and pedestrian traffic?

VU

U

SU



N

SS

S

VS

N/A



Are parking lots adequately sized?

VU

U

SU



N

SS

S

VS

N/A



Are opportunities provided for outdoor learning (outdoor classrooms, gardens, etc.)?

VU

U

SU



N

SS

S

VS

N/A



Are outdoor play spaces and playfields adequate in size and configuration?

VU

U

SU



N

SS

S

VS

N/A



Is the building easily identified with appropriate signage?

VU

U

SU



N

SS

S

VS

N/A



Are there ADA accessible pathways from perimeter sidewalks and parking lots?

VU

U

SU

N

SS

S

VS

N/A





Image: A sample of the survey questions and responses

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2.0

Elementary Schools



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EXECUTIVE SUMMARY:

Elementary Schools

- Consider replacement for elementary schools approaching 70 years old and having programmatic limitations.
- Take classrooms offline to create collaboration space.
- Take classrooms offline to create more small group spaces and storage.
- Provide more flexible furnishings in classrooms and media center (wheels).
- Provide signage to enable first responders to find specific classrooms quickly from the exterior of the building.
- Provide more opportunities for 3D display.
- Locate offline classrooms to be utilized by extra-curriculars or by gym classes (1.5 PE teachers).
- Improve opportunities for outdoor learning and meeting space.

Elementary School Model Program

Richland School District 2

June 28, 2017



Programmed Areas

40 planned students, Pre-K 747 planned students, grades K-5 747 core capacity	CAPACITY students	NET SQUARE FEET total	GROSSING factor	GROSS SQUARE FEET total
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A. Area Summary

1. Total area	94,735 nsf	1.45	137,366 gsf
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B. Capacity Summary

1. Teaching Stations	44	886 students
2. Utilization Factor	100%	
3. Effective Student Capacity	886 students	

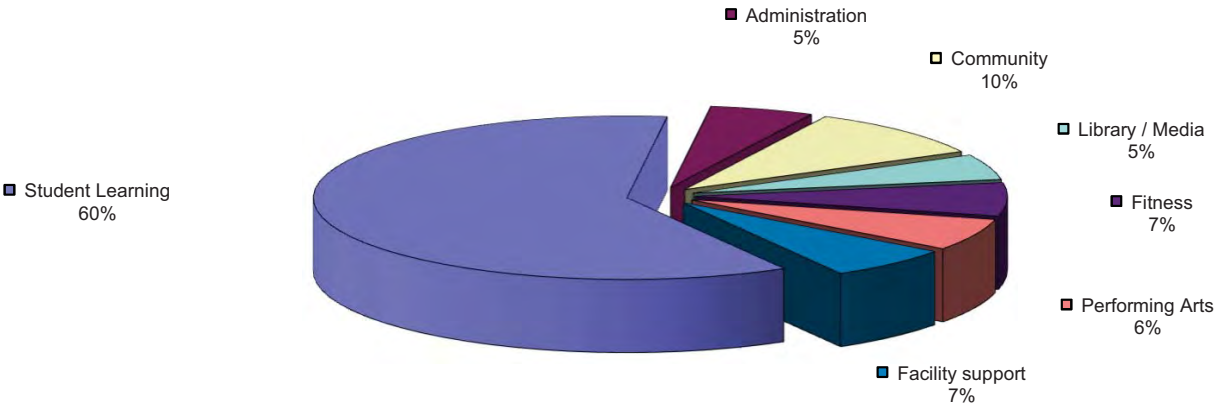
Area Analysis

1. Square feet per student: Planned	747 students	173 gsf
2. Square feet per student: Actual	886 students	155 gsf

D. Area Comparison

1. Student Learning	60%	57,210 nsf	82,955 gsf
2. Administration	5%	5,090 nsf	7,381 gsf
3. Community	10%	9,360 nsf	13,572 gsf
4. Library / Media	5%	4,760 nsf	6,902 gsf
5. Fitness	7%	6,220 nsf	9,019 gsf
6. Performing Arts	6%	5,965 nsf	8,649 gsf
7. Facility support	6%	6,130 nsf	8,889 gsf
Total GSF	100%	94,735 nsf	137,366 gsf

E. Area Chart



Columbia, South Carolina



Actual Areas (Jackson Creek)

100 pre-k 708 planned students, grades K-5 708 core capacity	CAPACITY students	NET SQUARE FEET total	GROSSING factor	GROSS SQUARE FEET total
--	----------------------	--------------------------	--------------------	----------------------------

A. Area Summary

1. Total area	88,528 nsf	1.47	129,716 gsf
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B. Capacity Summary

1. Teaching Stations	40	816 students
2. Utilization Factor	100%	
3. Effective Student Capacity	816 students	

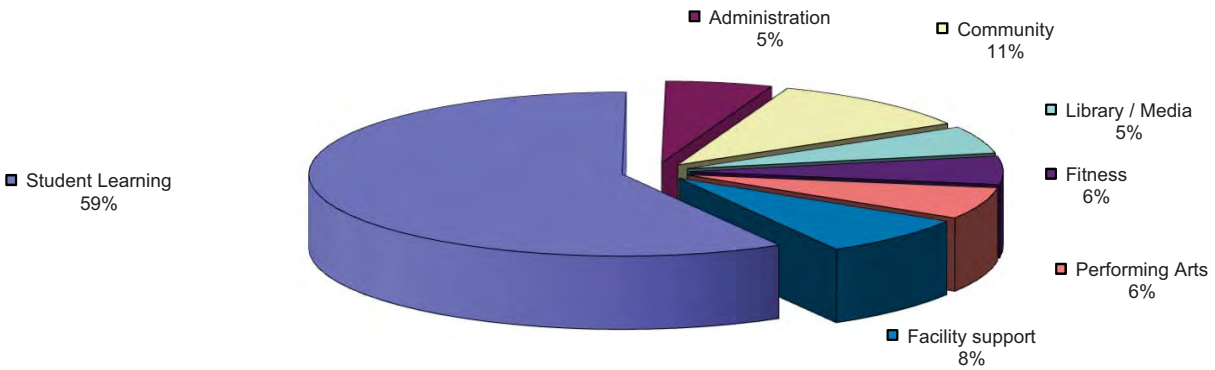
Area Analysis

1. Square feet per student: Planned	708 students	182 gsf
2. Square feet per student: Actual	816 students	159 gsf

D. Area Comparison

1. Student Learning	59%	51,823 nsf	75,934 gsf
2. Administration	6%	4,881 nsf	7,152 gsf
3. Community	11%	9,602 nsf	14,069 gsf
4. Library / Media	5%	4,774 nsf	6,995 gsf
5. Fitness	6%	4,924 nsf	7,215 gsf
6. Performing Arts	6%	5,542 nsf	8,120 gsf
7. Facility support	8%	6,982 nsf	10,230 gsf
Total GSF	100%	88,528 nsf	129,716 gsf

E. Area Chart



SPACE DESCRIPTION	New Program Areas						NOTES	Actual Areas (Jackson Creek ES)						NOTES
40 planned students, Pre-K														
747 planned students, grades K-5														
747 core capacity														
	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
	teaching	total	each	total	each	total		teaching	total	each	total	each	total	

1 STUDENT LEARNING SPACES

A. Academic Areas															
1.	4 year old pre-kindergarten classroom	6	6	20	120	850	5,100	R2 to decide on 2 vs 6 classrooms	5	5	20	100	795	3,974	
2.	4 year old pre-kindergarten toilet		2		-	50	100		-	5	-	-	51	255	
3.	5 year old kindergarten classroom	6	6	20	120	850	5,100		6	6	20	120	796	4,778	
4.	5 year old kindergarten toilet		6		-	50	300		-	6	-	-	53	316	
5.	First grade classroom	6	6	21	126	850	5,100		6	6	21	126	798	4,786	
6.	First grade toilet		6		-	50	300			6		-	52	314	
7.	Second grade classroom	6	6	21	126	850	5,100		6	6	21	126	862	5,169	
8.	Second grade toilet		6		-	50	300			-		-	-	-	
8.	Third grade classroom	6	6	21	126	850	5,100		5	5	21	105	850	4,251	5 built, 6 required
9.	Fourth grade classroom	6	6	21	126	850	5,100		6	6	21	126	856	5,137	
10.	Fifth grade classroom	6	6	21	126	850	5,100	5	5	21	105	853	4,266	5 built, 6 required	
11.	Gender neutral toilet rooms (2nd - 5th grade)		4		-	250	1,000		4		-	255	1,020		
12.	Small group collaboration rooms		7		-	150	1,050		7			122	854	one per grade	
12.	PreK Learning hub / Collab. commons		1		-	350	350	barndoors to classrooms	-			-	-	one per grade	
13.	K-5 Learning hub / Collab. commons		6		-	1,000	6,000	barndoors to classrooms, mobile makers	7			939	6,573	one per grade	
13.	Service Alcove	-	7	-	-	25	175		-	-	-	-	-		
14.	Gifted and talented	-	2	-	-	850	1,700		-	2	-	-	917	1,833	
14.	Play Yard storage (PK-2)		4	-	-	200	800		8			96	768		
15.	Outdoor toilet / drinking fountain		4	-	-	60	240		-			-	-		
15.	Neighborhood Storage		7	-	-	150	1,050		7		-	155	1,086	one per grade	
Sub-Total:		42			870		49,065		39			808		45,380	

SPACE DESCRIPTION		New Program Areas					NOTES	Actual Areas (Jackson Creek ES)					NOTES	
40	planned students, Pre-K													
747	planned students, grades K-5													
747	core capacity	SPACES teaching	total	each	STUDENTS total	NET SQUARE FEET each total		SPACES teaching	total	each	STUDENTS total	NET SQUARE FEET total		
B. Professional Areas														
1.	Teacher Workroom		5		-	230	1,150		5		-	228	1,140	
2.	Copy area / Kitchen		3		-	100	300		3		-	106	318	
3.	Shared Storage		2		-	450	900		11		-	99	1,092	
4.	Staff Toilet		7		-	60	420		7		-	82	572	
Sub-Total:		2,770						3,122						
E. Special Education														
inclusive model														
1.	Special education classroom	2	2	8	16	975	1,950		1	1	8	8	981	981
2.	Toilet w/ changing area & shower		1		-	275	275	shared between classrooms		1		-	275	275
3.	Storage		1		-	100	100			1		-	97	97
4.	Hearing Impaired	-	-	-	-	800	-	only at select schools	-	1	-	-	816	816
5.	Toilet		-		-	60	-			1		-	59	59
6.	Resource Room		2		-	550	1,100			2		-	547	1,093
7.	Tier 2 Classroom		2		-	250	500	1 TA, 5 students		-		-	-	-
8.	Speech Therapy		1		-	500	500	operable wall		-		-	-	-
9.	OT/PT		1		-	400	400			-		-	-	-
10.	OT/PT Storage		1		-	400	400			-		-	-	-
11.	Psychologist Office		1		-	150	150			-		-	-	-
12.	Itinerant Office		-		-	-	-			-		-	-	-
13.	Sensory room		-		-	-	-			-		-	-	-
Sub-Total:		2			16		5,375		1			8		3,321
Total student learning spaces:		44			886		57,210	-	40			816		51,823

Elementary School Model Program

Richland School District 2

June 29, 2017, Edited September 25, 2017

Columbia, South Carolina



SPACE DESCRIPTION	New Program Areas						NOTES	Actual Areas (Jackson Creek ES)						NOTES
40 planned students, Pre-K														
747 planned students, grades K-5														
747 core capacity	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
	teaching	total	each	total	each	total		teaching	total	each	total			

2 ADMINISTRATION AND STAFF SPACES

A. Central Administrative Suite

1.	Reception / waiting area	1	-	550	550	play alcove	1	-	533	533
2.	Principal's Secretary	1	-	150	150		1	-	129	129
3.	Principal's office	1	-	300	300		1	-	237	237
4.	Principal's closet	1	-	25	25		1	-	28	28
5.	Principal's toilet	1	-	60	60		1	-	47	47
6.	Assistant principal's office	2	-	150	300	lockable closet/cabinet	2	-	126	251
7.	Registrar / Attendance office	1	-	150	150		1	-	148	148
8.	Test Material Storage	1	-	50	50		-	-	-	-
9.	PTO Storage	1	-	50	50		1	-	47	47
10.	Resource office	-	-	120	-		1	-	104	104
11.	Conference room - large	1	-	300	300		1	-	290	290
12.	Conference room - small	1	-	150	150		1	-	142	142
13.	Files / Records room / vault	1	-	175	175	adjacent to principal secty	1	-	126	126
14.	Work / supply / copy room	-	-	140	-		1	-	132	132
15.	Administrative supply storage	1	-	50	50		1	-	47	47
16.	Teacher mailboxes	1	-	100	100		1	-	110	110
17.	Faculty Workroom / Copy / Work	1	-	440	440	teacher mailboxes	1	-	525	525
18.	Intercom Charging	1	-	100	100		1		89	89
19.	Staff toilets	4	-	60	240		4	-	72	286
20.	Wellness room	1	-	60	60		-	-	-	-
21.	Storage	1	-	75	75		1		67	67
Sub-Total:			-	3,325				-	3,338	

B. Counseling

1.	Counselor's office	1	-	150	150		1	-	155	155
2.	Conference room / storage	1	-	275	275		1	-	281	281
3.	Flex office space	1	-	250	250		3	-	120	360
4.	Social Work Office	1	-	120	120					
5.	Food Pantry Storage	1	-	120	120					
6.	Psychologist Office	1	-	150	150					
Sub-Total:			-	1,065				-	796	

C. Clinic

1.	Health clinic	1	-	400	400	2 cots with curtain	1	-	464	464
2.	Nurse's office	1	-	120	120		1	-	106	106
3.	Washer / dryer	1	-	75	75		1	-	79	79
4.	Toilet/Shower	1	-	90	90		1	-	88	88
5.	Storage	1	-	15	15		1	-	10	10
Sub-Total:			-	700				-	747	

Total admin. and staff spaces:	-	-		5,090			-	-	4,881	
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Elementary School Model Program

Richland School District 2

June 28, 2017, Edited September 25, 2017

Columbia, South Carolina



SPACE DESCRIPTION	New Program Areas					NOTES	Actual Areas (Jackson Creek ES)					NOTES
	SPACES		STUDENTS		NET SQUARE FEET		SPACES		STUDENTS		NET SQUARE FEET	
40 planned students, Pre-K	teaching	total	each	total	each	total	teaching	total	each	total	each	total
747 planned students, grades K-5												
747 core capacity												

3 COMMUNITY AND STAKEHOLDER SPACES

A. Cafeteria					see section 6 for platform							
1.	Dining - elementary	1	-	5,200	5,200	assumes 3 lunch periods	1	-	5,229	5,229		
2.	Chair Storage	1		300	300		1		208	208		
3.	Public Toilets	2		250	500		2		209	418		
4.	Gender neutral / family toilets	2		60	120		2		68	135		
Sub-Total:			-		6,120			-		5,990		
B. Kitchen / Serving												
1.	Serving	1	-	725	725		1	-	727	727		
2.	Kitchen	1	-	1,000	1,000		1	-	1,369	1,369		
3.	Dish room	1	-	375	375		1	-	376	376		
4.	Cooler / Freezer	1	-	525	525		1	-	520	520		
5.	Dry storage	1	-	300	300		1	-	286	286		
6.	Office	1	-	120	120		1	-	156	156		
7.	Toilet	1	-	60	60		1	-	57	57		
8.	Lockers	1	-	60	60		1	-	57	57		
9.	Washer/Dryer / Custodial	1	-	75	75		1	-	64	64		
Sub-Total:					3,240					3,612		
Total community spaces:			-		9,360			-		9,602		

4 MEDIA CENTER SPACES

A. Library / Media Center												
1.	Reading room - elementary	1	-	2,400	2,400	flexibility is important, bookcases on wheels	1	-	3,564	3,564		
2.	Small group / conference room	2	-	250	500		1		249	249		
3.	Supply storage	1	-	100	100		1	-	101	101		
4.	Studio	1	-	300	300	green screen	1	-	269	269		
5.	Maker space	1	-	900	900		-	-	-	-		
6.	Main data room	1	-	250	250		1	-	230	230		
Sub-Total:		-	-		4,450		-	-		4,413		
B. Professional area												
1.	Office / workroom	1	-	250	250		1	-	272	272		
2.	Toilet	1	-	60	60		1	-	89	89		
Sub-Total:			-		310			-		361		
Total media center spaces:			-	-	4,760		-	-		4,774		

Elementary School Model Program

Richland School District 2

June 28, 2017, Edited September 25, 2017

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas				NOTES	Actual Areas (Jackson Creek ES)				NOTES		
40	planned students, Pre-K												
747	planned students, grades K-5						SPACES		STUDENTS		NET SQUARE FEET		
747	core capacity	teaching	total	each	total		teaching	total	each	total	total		
5 FITNESS AND WELLNESS SPACES													
A. Multi-purpose													
1.	P.E. Gymnasium	1		-	5,000	5,000	50x74 court plus 5' perimeter		1	-	3,607	3,607	
2.	General storage	1		-	300	300			1	-	277	277	
3.	Storage (exterior)	1			200	200			1		199	199	
Sub-Total:		-		-	5,500				-	-	4,083		
D. Offices and support spaces													
consider faculty fitness/toilets/showers													
1.	P.E. Office	1		-	120	120			1	-	133	133	
2.	Gender neutral toilet rooms	2		-	300	600			2	-	354	708	
Sub-Total:				-	720					-	841		
Total fitness and wellness spaces:		-		-	6,220		-		-	-	4,924		
6 PERFORMING AND VISUAL ART SPACES													
A. Music													
Music and Art close to each other													
1.	Music room	1		-	900	900			1	-	894	894	
2.	Storage	1		-	250	250			1	-	237	237	
3.	Performance Platform	1		-	1,100	1,100			1	-	1,120	1,120	
4.	storage	1		-	200	200			1	-	112	112	
5.	Performance Space	1		-	1,400	1,400			1	-	1,411	1,411	
6.	Dressing Rooms	2		-	150	300			2	-	123	245	
7.	Gender neutral toilets	2		-	60	120							
8.	Gender neutral dressing rooms	2		-	60	120							
Sub-Total:		-		-	4,390				-	-	4,019		
B. Art													
1.	Art studio	1		-	1,275	1,275	outdoor patio access		-	1	-	1,275	1,275
2.	Kiln room	1		-	100	100			1	-	100	100	
3.	Material / project storage	1		-	200	200			1	-	148	148	
Sub-Total:		-		-	1,575				-	-	1,523		
Total arts spaces:		-		-	5,965		-		-	-	5,542		

Elementary School Model Program

Richland School District 2

June 28, 2017, Edited September 25, 2017

Columbia, South Carolina

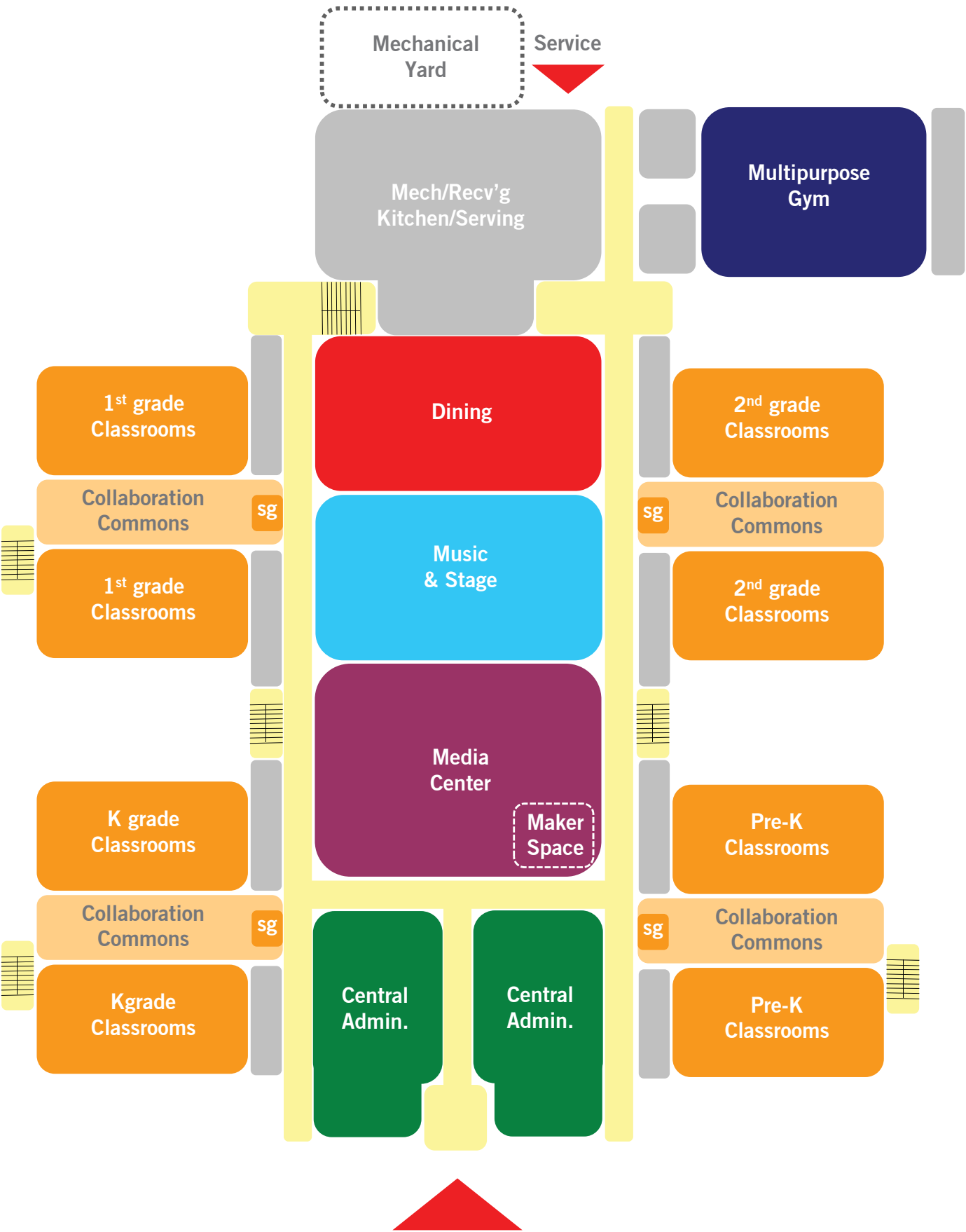


SPACE DESCRIPTION	New Program Areas						NOTES	Actual Areas (Jackson Creek ES)						NOTES
40 planned students, Pre-K														
747 planned students, grades K-5														
747 core capacity	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
	teaching	total	each	total	each	total	teaching	total	each	total	each	total		

7 FACILITY MANAGEMENT AND SUPPORT SPACES

A. Property Control													
1.	Central receiving / office	1		550	550			1		570	570		
2.	Toilet	1		60	60			1		57	57		
3.	Locker area	1		60	60			1		53	53		
4.	Book room / testing storage	1		300	300			1	-	284	284		
5.	General storage	1		240	240			1		240	240		
6.	Fire Pump	1		150	150			1		304	304		
7.	Main Mechanical	1		3,000	3,000			1		3,876	3,876		
8.	Main Electrical	1		500	500			1		316	316		
9.	Main Data	-		-	-			-		-	-		see section 4
10.	Janitorial Closets	5		70	350			5		69	344		
11.	Electrical Closets	4		80	320			4		71	283		
12.	Data Closets	6		70	420			6		75	451		
13.	Water Heater Closets	3		60	180			3		68	204		
Sub-Total:					6,130			6,982					
B. Exterior Facilities													
1.	Separate auto drop off (X% of students)		-		-					-		-	
2.	Separate bus drop off (X% of students)		-		-					-		-	
3.	Staff and visitor parking		-		-					-		-	
Sub-Total:					-					-		-	
Total facility management and support spaces:					6,130			6,982					
TOTAL NSF		44		886	94,735			40		816	88,528		

MODEL PROGRAM: ELEMENTARY SCHOOLS
Option 1: Level 1



MODEL PROGRAM: ELEMENTARY SCHOOLS

Option 1: Level 2

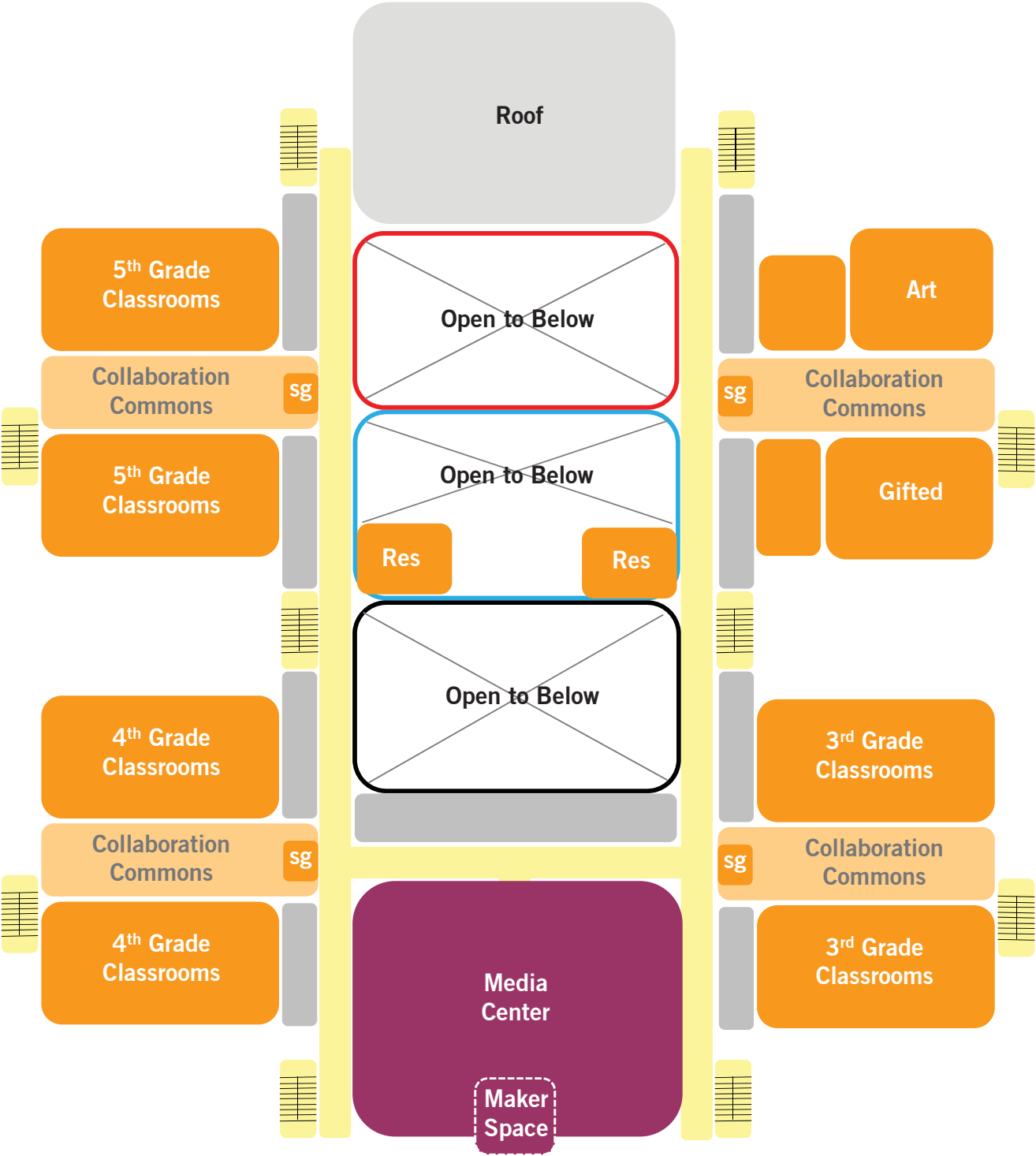


MODEL PROGRAM: ELEMENTARY SCHOOLS
Option 2: Level 1



MODEL PROGRAM: ELEMENTARY SCHOOLS

Option 2: Level 2



2.1

Bethel-Hanberry Elementary School



BACKGROUND INFORMATION:

Address: 125 Boney Road, Blythewood, SC 29016

Principal: Tracey Footman

Built: 1954; Addition: 1990; Addition: 2003

Capacity: 634

Current Enrollment: 715 (over capacity)

KEY STRENGTHS:

- Community history - multiple generations of family attending BHES
- Generously sized art room

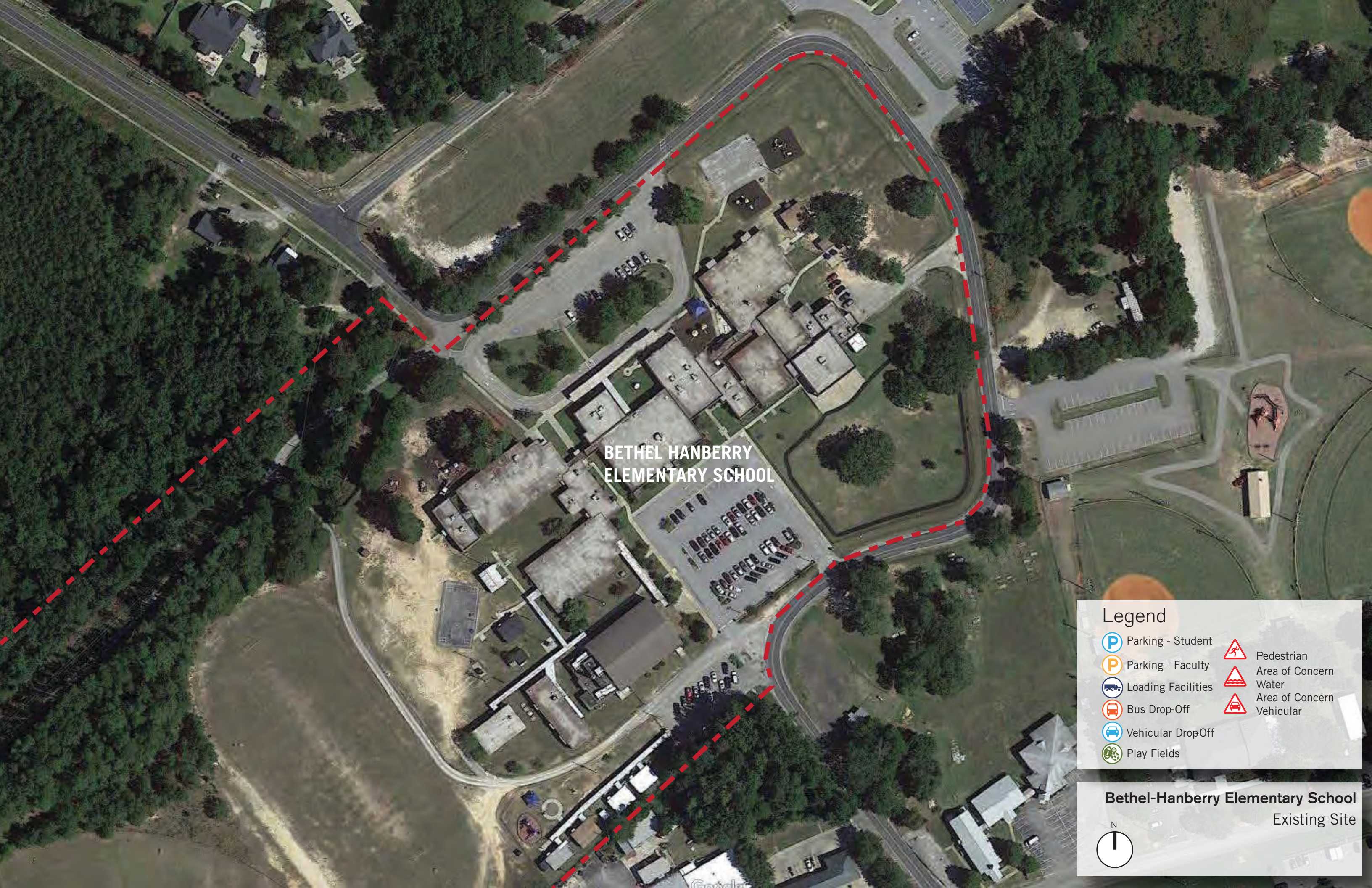
KEY CHALLENGES:

- Security at main entry
- Stand alone buildings (function and security)
- Need for more small rooms
- Functionality of car rider loop

PROGRAM DEFICIENCIES





- Storage
- Music room and performance space
- Media (2600sf+/-)

RECOMMENDATION: REPLACE



BETHEL HANBERRY
ELEMENTARY SCHOOL

Legend

- | | |
|--|---|
|  Parking - Student |  Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular DropOff | |
|  Play Fields | |

Bethel-Hanberry Elementary School
Existing Site







Curb cuts for ADA access from parking lot are inconveniently located, require travel through vehicular circulation.

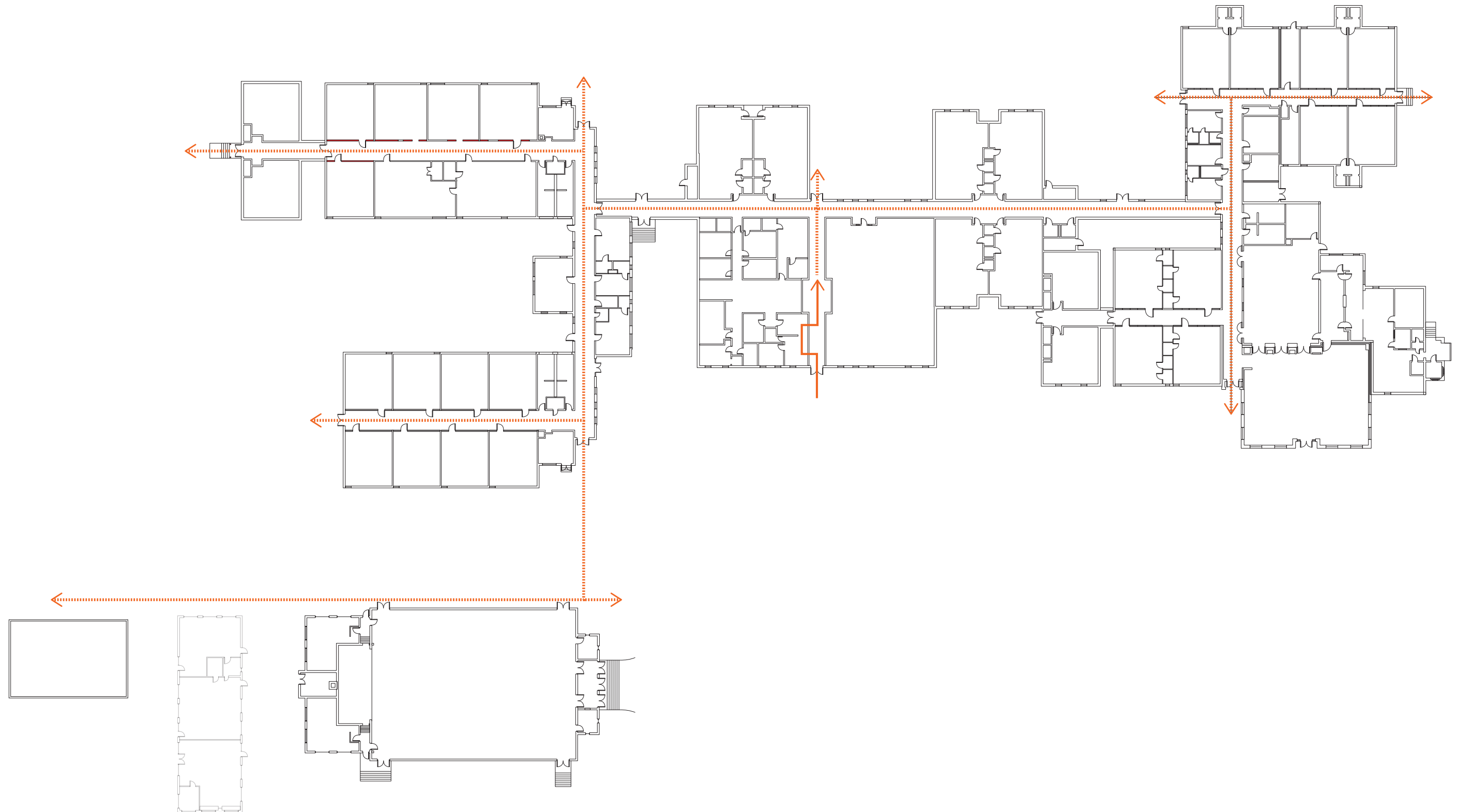
Car rider loop is inefficient and circuitous.

Legend

- | | |
|--|---|
|  Parking - Student |  Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |

Bethel-Hanberry Elementary School
Site Analysis



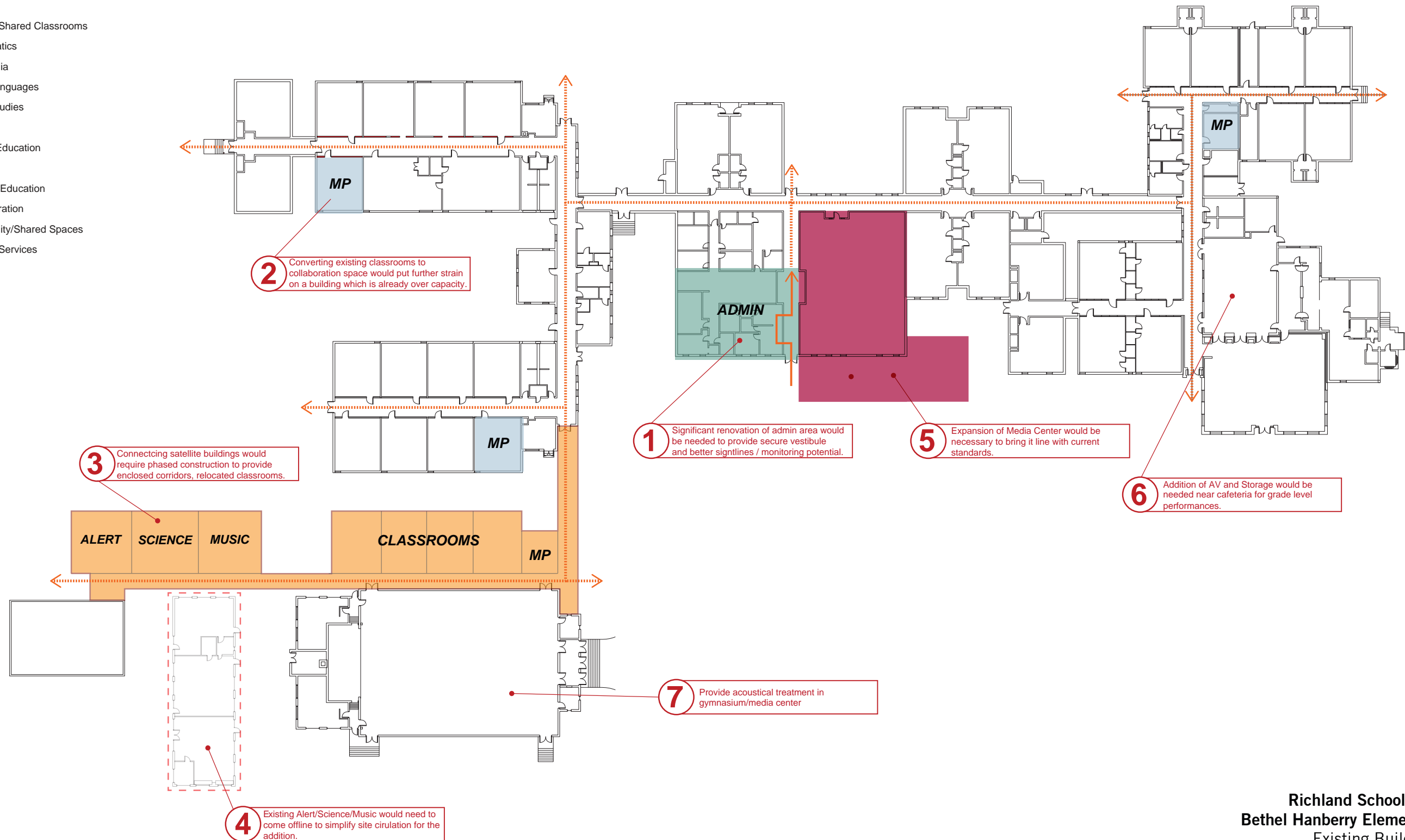


Richland School District Two
Bethel Hanberry Elementary School
Existing Conditions
Organizational Plan

Capacity: 643
Current Enrollment: 715

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

Full replacement is recommended



Richland School District Two
Bethel Hanberry Elementary School
Existing Building Analysis
(Full replacement is recommended)

Capacity: 643
Current Enrollment: 715

2.2

Bookman Road Elementary School



BACKGROUND INFORMATION:

Address: 1245 Bookman Road, Elgin, SC 29045

Principal: Dr. Kendra Hill

Built: 1998; Addition: 2011

Capacity: 699

Current Enrollment: 461

KEY STRENGTHS:

- Building is well-maintained by teachers and staff
- Being under capacity allows “starfish” configuration to work well for organizing grade levels

KEY CHALLENGES:

- Car loop impacts street traffic
- Parking conflicts with busses
- Inadequate Storage
- Acoustically-separate areas needed for children who need to verbally problem-solve

PROGRAM DEFICIENCIES

- Gym (3000sf+/-)

RECOMMENDATION: RENOVATE; SMALL ENTRY ADDITION; REDUCE CAPACITY

Photo Source: <https://www.richland2.org>





BOOKMAN ROAD
ELEMENTARY SCHOOL


KELLY MILL ROAD

BOOKMAN ROAD


Legend

 Parking - Student

 Parking - Faculty

 Loading Facilities


 Bus Drop-Off

 Vehicular Drop-Off


 Play Fields

 Area of Concern
Pedestrian

 Area of Concern
Water

 Area of Concern
Vehicular

Bookman Road Elementary School
Existing Site





Expand parking and queuing north of building.

Car line backs up on road.

Erosion at field.

School address is Bookman Road, but main entrance is on Kelly Mill, resulting in some confusion with wayfinding.

Parking lot introduces potential for cars to mix with busses.

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

Bookman Elementary School
Site Analysis










Expand parking and queueing north of building

Address erosion

Provide marquee signage on brick base reading "Bookman Elementary School" along Bookman Rd


Gate parking lot to control access.

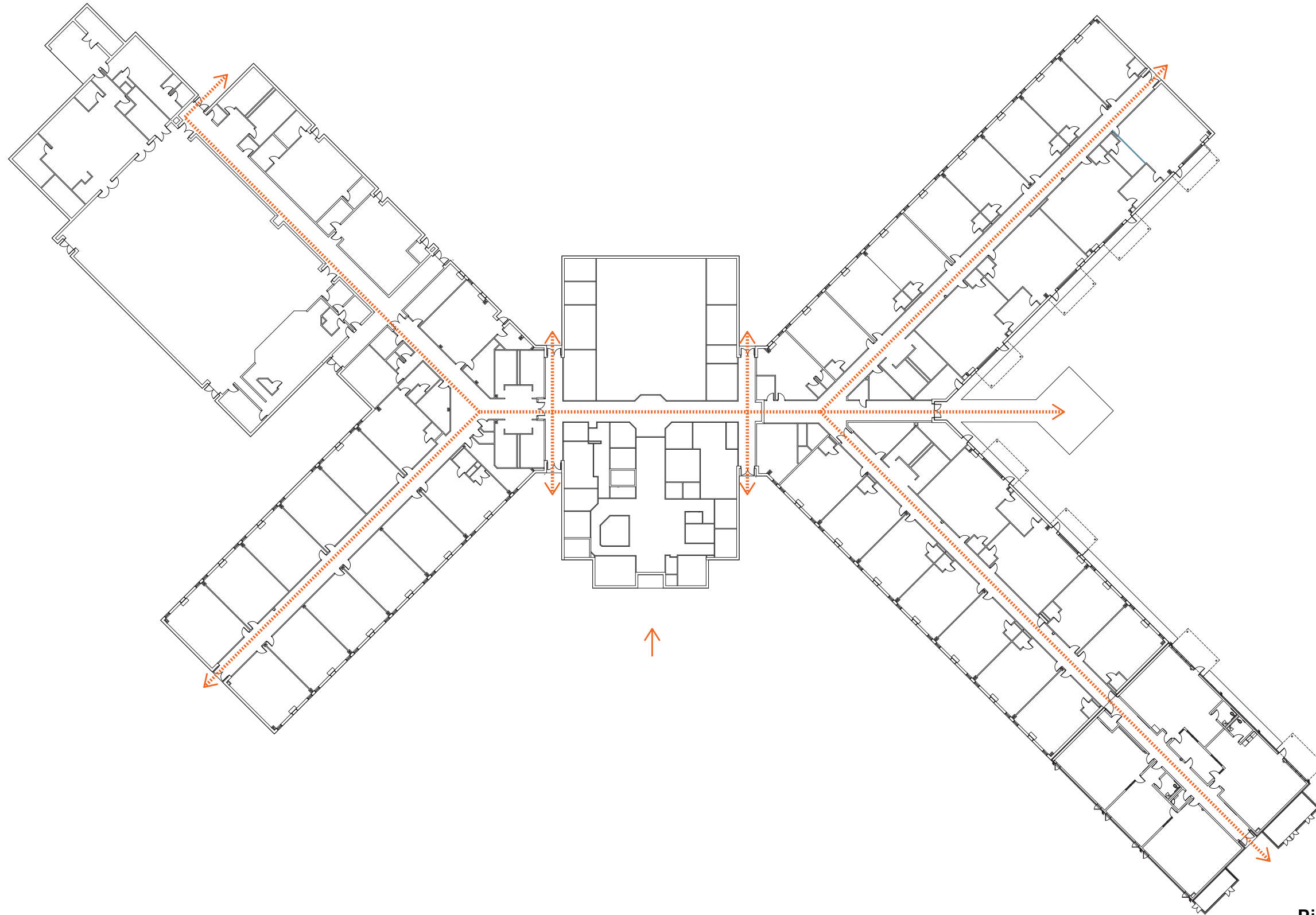
Legend

	Parking - Student		Area of Concern Pedestrian
	Parking - Faculty		Area of Concern Water
	Loading Facilities		Area of Concern Vehicular
	Bus Drop-Off		
	Vehicular Drop-Off		
	Play Fields		

Bookman Elementary School

Proposed Site





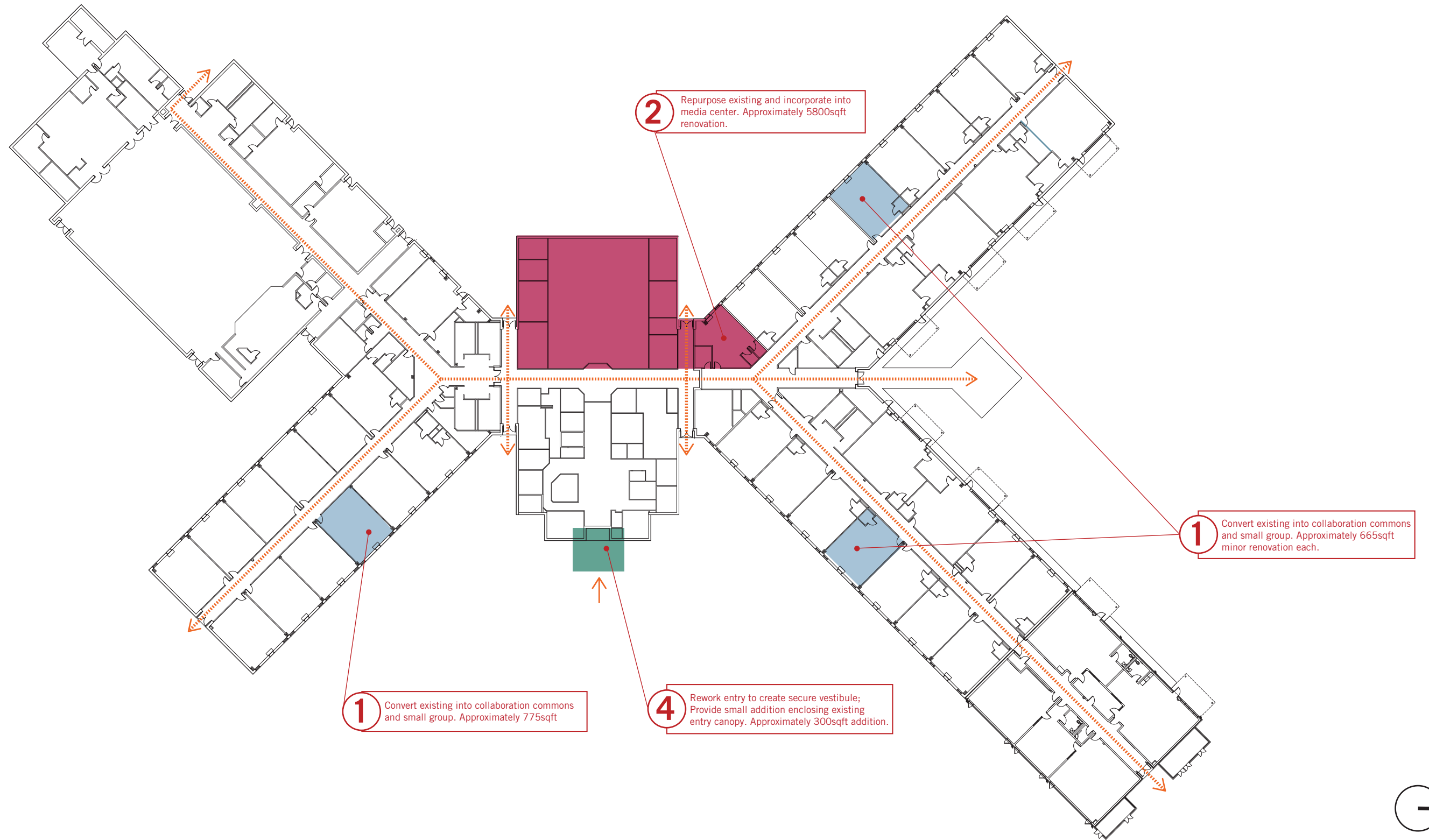
Richland School District Two

Bookman Road Elementary School

Existing Conditions - Organizational Floor Plan

Capacity:	669
Current Enrollment:	461
Proposed Capacity Reduction:	66

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Richland School District Two
Bookman Road Elementary School
Proposed Master Plan Diagram

Capacity: 669
Current Enrollment: 461
Proposed Capacity Reduction: 66

2.3

Bridge Creek Elementary School



BACKGROUND INFORMATION:

Address: 7121 Bombing Range Road, Elgin, SC 29045

Principal: Kristen Eubanks

Built: 2008

Capacity: 667

Current Enrollment: 556

KEY STRENGTHS:

- Building layout is working well
- Instructional technology in the classroom is very satisfactory.

KEY CHALLENGES:

- Pedestrian / Car Conflict
- Lack of multipurpose spaces
- Lack of assembly space

PROGRAM DEFICIENCIES










- Kitchen / serving (2300sf +/-)
- Media (3800sf +/-)
- Gym (3000sf +/-)

RECOMMENDATION: OPTION 1: REDUCE CAPACITY AND MODEST RENOVATIONS OR, OPTION 2: RENOVATE AND PROVIDE ADDITIONS TO MAINTAIN CAPACITY.



BRIDGE CREEK
ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |












Bridge Creek Elementary School
Existing Site




Existing retaining walls

Existing basketball court

Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

 **Bridge Creek Elementary School**
Site Analysis



Existing retaining walls

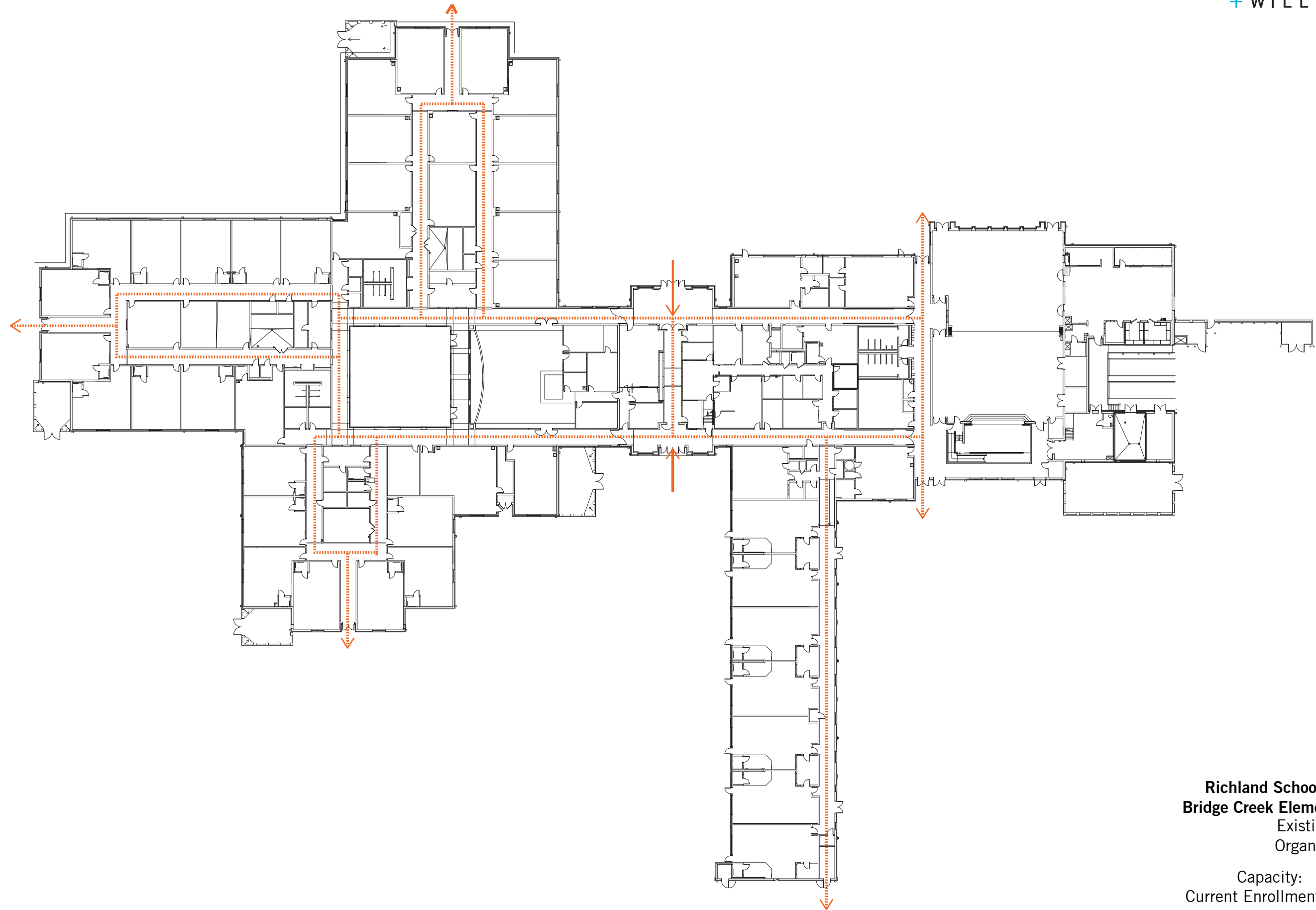
Potential classroom addition

Replace basketball court in new orientation if necessary to provide clearance from new addition.

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

Bridge Creek Elementary School
Proposed Site



Richland School District Two
Bridge Creek Elementary School
Existing Conditions
Organizational Plan

Capacity: 667
Current Enrollment: 556
Proposed Capacity Reduction: 0



Capacity:	667
Current Enrollment:	556
Proposed Capacity Reduction:	0

2.4

Catawba Trail Elementary School



BACKGROUND INFORMATION:

Address: 1080 Old National Highway, Elgin, SC 29045

Principal: Denise Barth

Built: 2011

Capacity: 708

Current Enrollment: 610

KEY STRENGTHS:

- Building is in good condition and programmed spaces adequately sized.
- Ample natural light and outdoor learning areas

KEY CHALLENGES:

- Collaboration space
- Small group / flex space
- Grade-level meeting space
- Special Ed Resources

PROGRAM DEFICIENCIES









- NA

RECOMMENDATION: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS



CATAWBA TRAIL
ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Catawba Trail Elementary School
Site Analysis



entry.

Busses and cars share entry.

Parking is located in daycare bus loop.

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	










Catawba Trail Elementary School
Site Analysis



Expand Parking; Provide navigational signage to front entry.


Relocate parking to avoid mixing car and bus traffic.

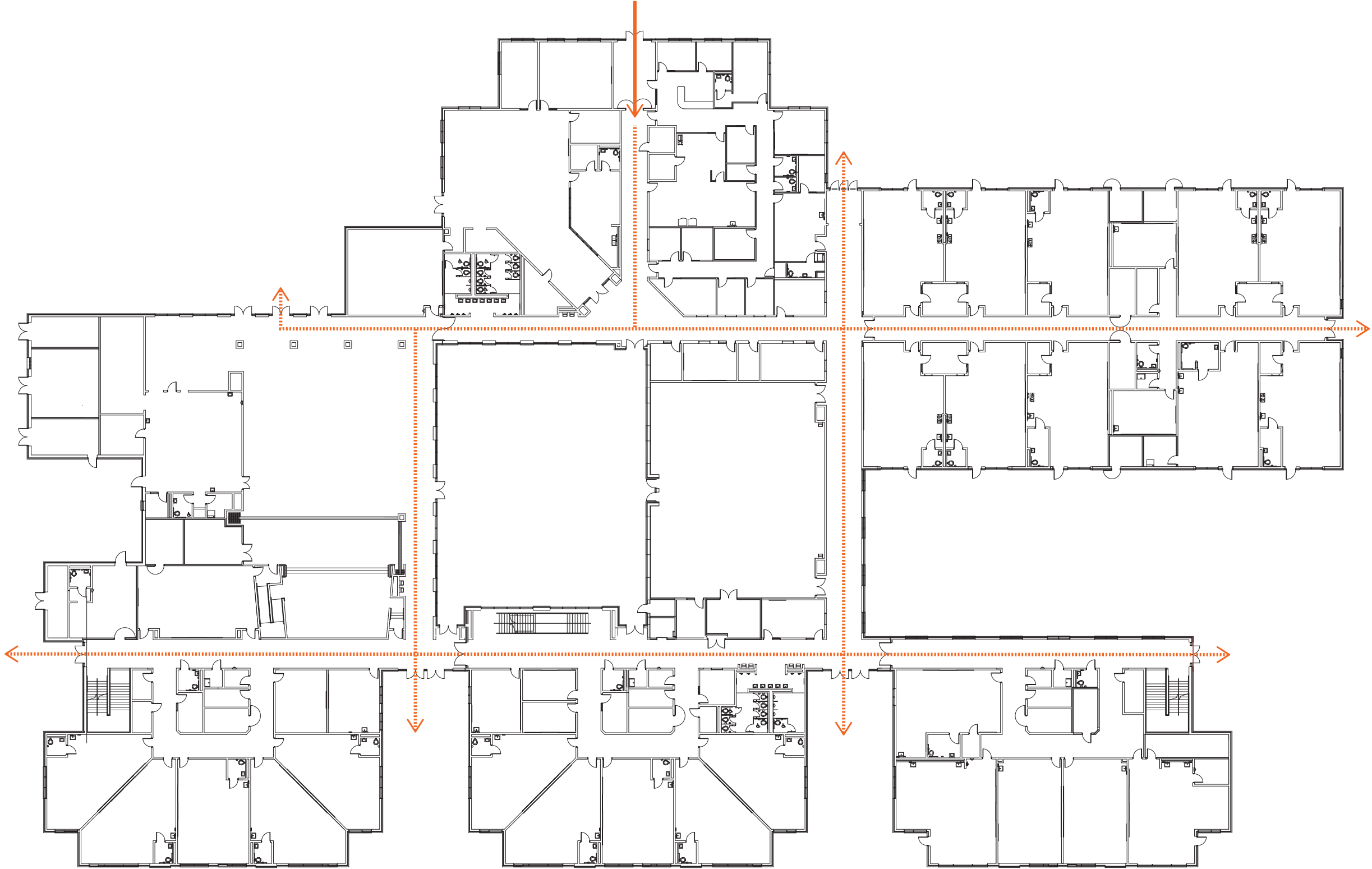
Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

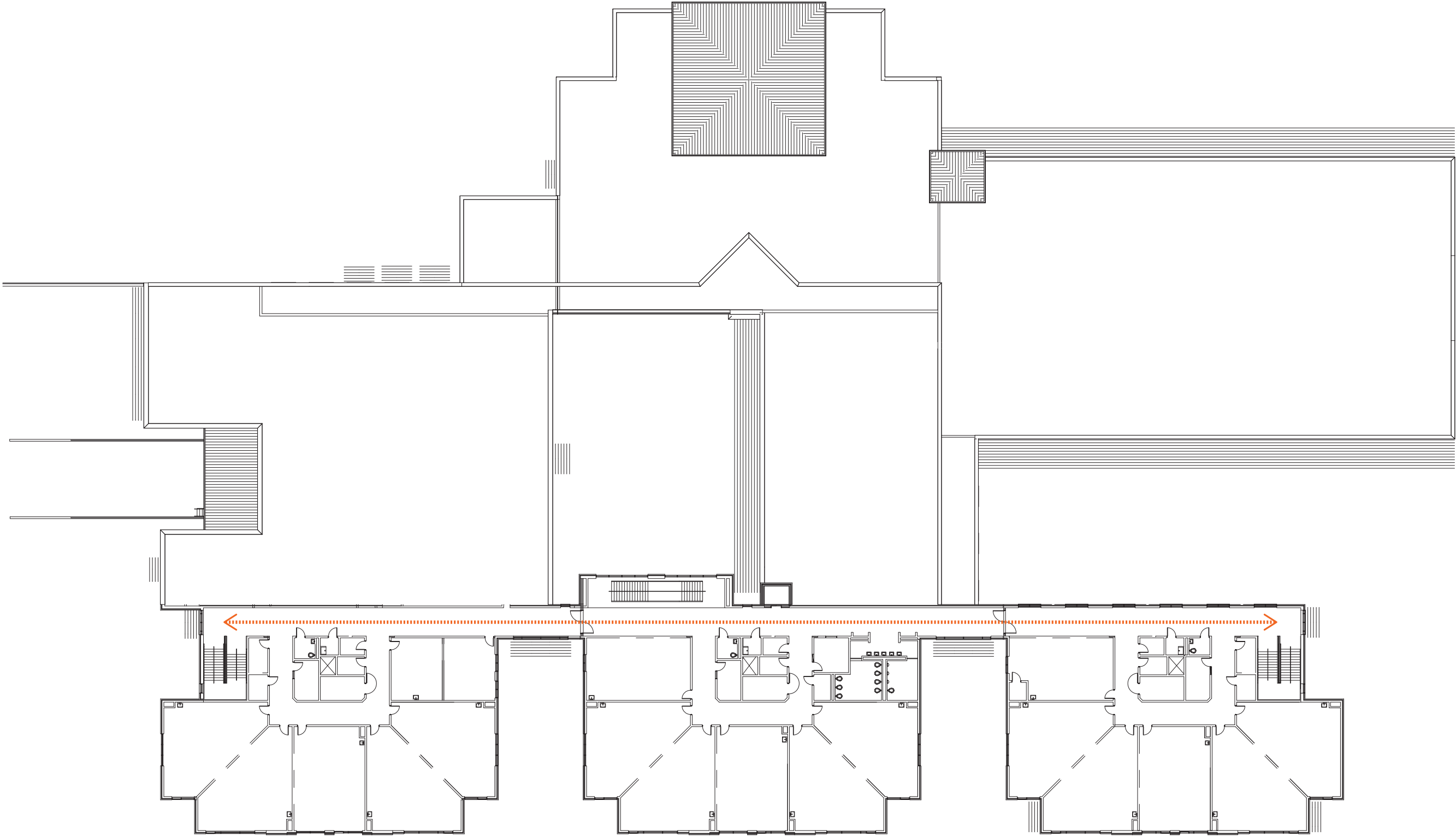
**Catawba Trail Elementary School
Proposed Site**

N



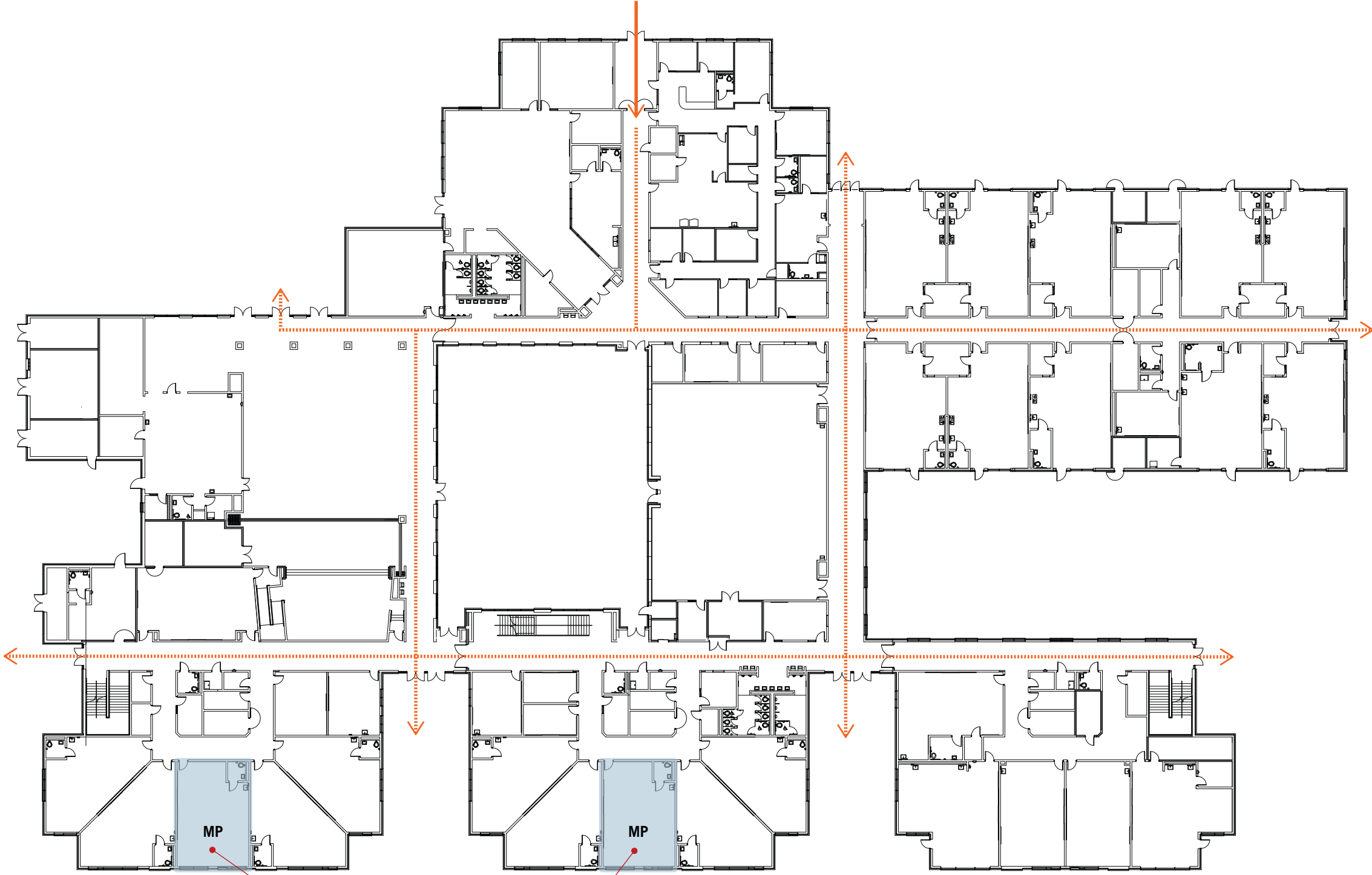


Catawba Trail Elementary School First Floor
Existing Plan Diagram



Catawba Trail Elementary School Second Floor
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

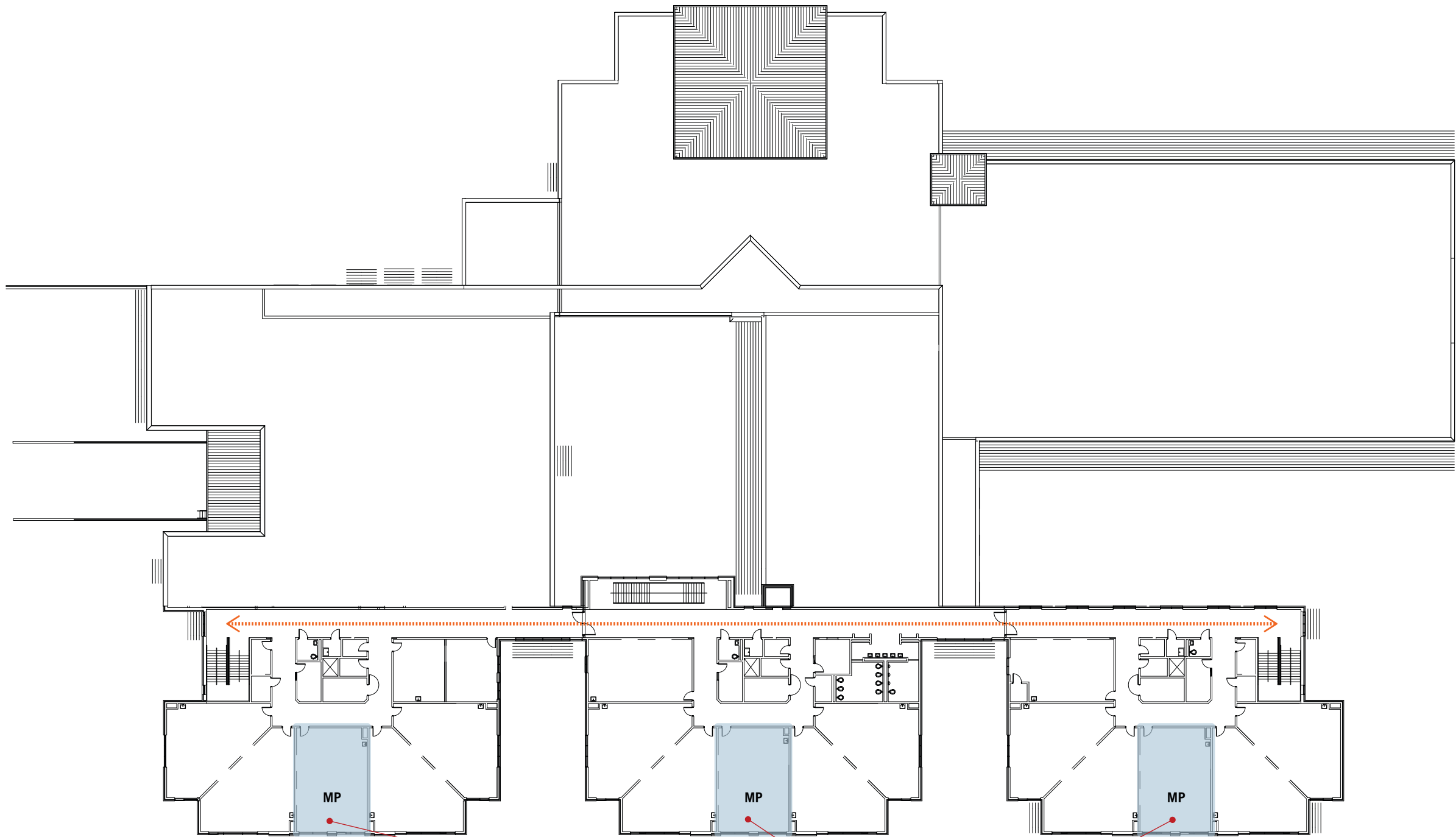


1 Convert one classroom to multi-purpose collaboration space at each grade. Approximately 900sqft renovation each.

Richland School District Two
Catawba Trail Elementary School
Proposed Master Plan Diagram - First Floor

Capacity:	708
Current Enrollment:	610
Proposed Capacity Reduction:	110

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



1 Convert one classroom to multi-purpose collaboration space at each grade. Approximately 900sqft renovation each.

**Richland School District Two
Catawba Trail Elementary School**
Proposed Master Plan Diagram - Second Floor

Capacity:	708
Current Enrollment:	610
Proposed Capacity Reduction:	110

2.5

LW Conder Arts Integrated Magnet Elementary School



BACKGROUND INFORMATION:

Address: 8040 Hunt Club Road, Columbia, SC 29223

Principal: Paula China

Built: 1958; Addition: 1989; Addition: 2003; Addition (Cafeteria): 2007

Capacity: 611

Current Enrollment: 562

KEY STRENGTHS:

- Staff takes great care with the facility resources they have.
- Existing outdoor pavilion has potential to be developed into an amenity for the school.
- On-site art installations by students and resident artists.

KEY CHALLENGES:

- Lack of arts spaces suitable for an arts magnet
- Building is landlocked, an obstacle to expansion
- Pedestrian and vehicular circulation

PROGRAM DEFICIENCIES

- Storage
- Kitchen (1,500sf+/-)
- Gym (1,600sf+/-)
- Media (3,000sf+/-)

RECOMMENDATION: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS (IF LAND BECOMES AVAILABLE, RECOMMENDATION BECOMES FULL REPLACEMENT)



LW CONDER INTEGRATED ARTS MAGNET

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |

L.W. Conder Arts Integrated Magnet
Existing Site














Playground lacks amenities .

Outdoor pavilion is provided on site but seldom used

Site constraints do not allow for efficient building expansion.


Walkers are in conflict with traffic; busses and cars enter at same curb cut. Site does not allow reconfiguration of traffic flow

Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

L.W. Conder Arts Integrated Magnet
Site Analysis

N





Provide tech and furniture to make covered pavilion more usable


Improve amenities at southwest play area.

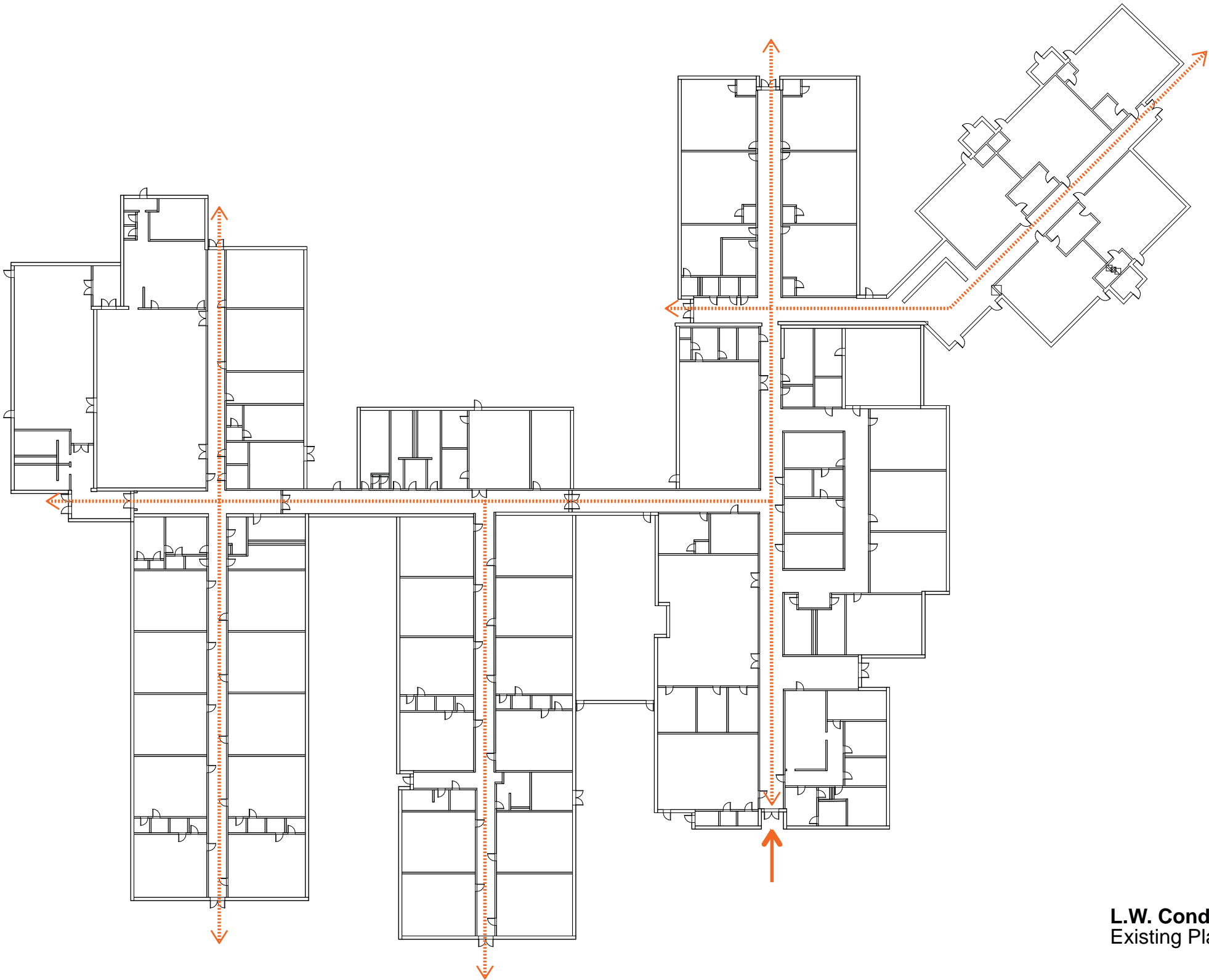
Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

**L.W. Conder Arts Integrated Magnet
Proposed Site**

N

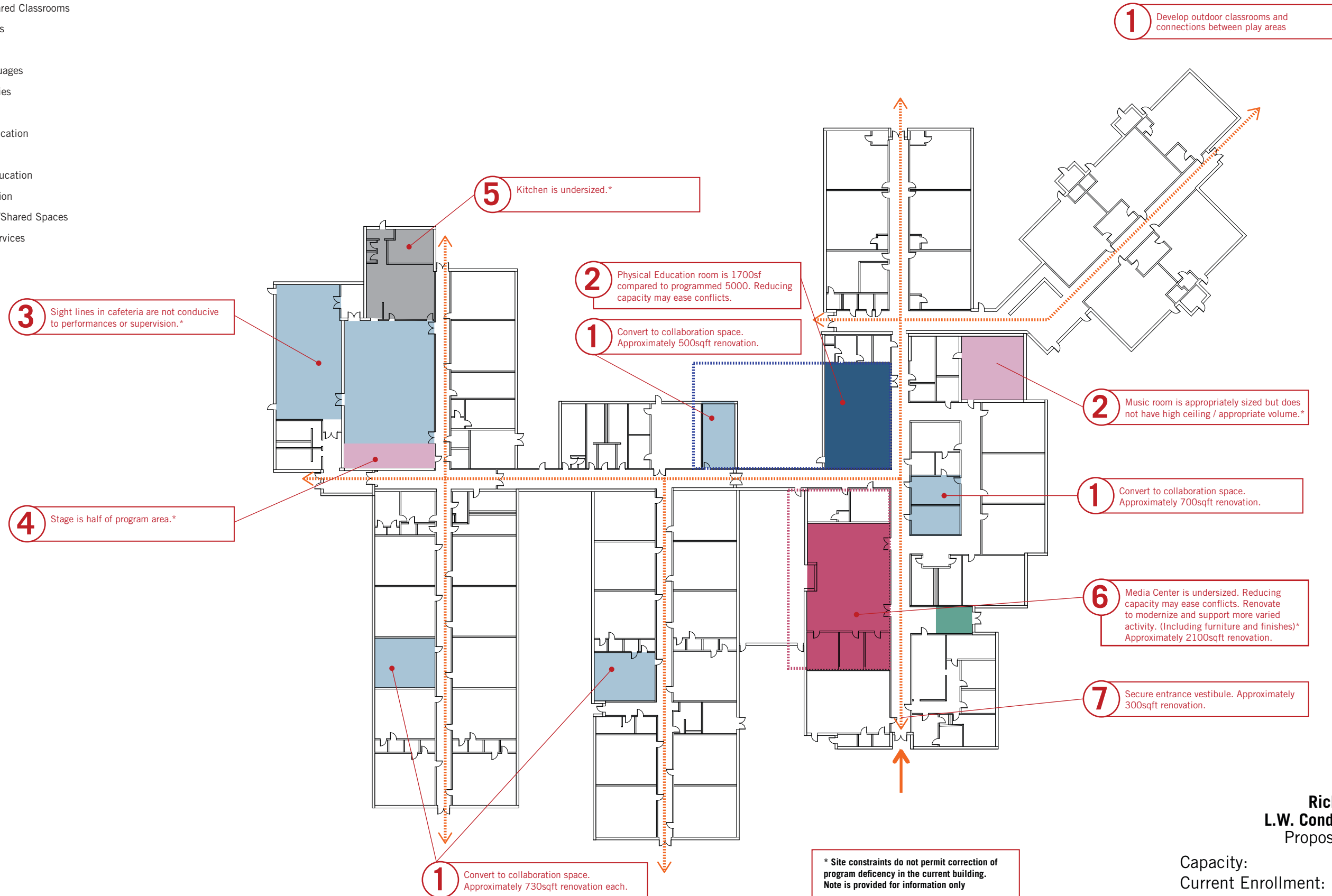




L.W. Conder Arts Integrated Magnet
Existing Plan Diagram



- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Richland School District Two
L.W. Condor Arts Integrated Magnet
Proposed Master Plan Diagram

Capacity:	611
Current Enrollment:	562
Proposed Capacity Reduction:	44

2.6

Forest Lake Elementary School



BACKGROUND INFORMATION:

Address: 6801 Brookfield Road, Columbia, SC 29206

Principal: Dr. Kappy Steck

Built: 1957; Addition: 1989; Addition: 2003; Addition (Media Center): 2006

Capacity: 584

Current Enrollment: 594 (over capacity)

KEY STRENGTHS:

- Staff takes great care with the facility resources they have.
- Adjacency and shared resources with Richland County.

KEY CHALLENGES:

- Acoustics in Classrooms
- Faculty Restrooms
- Special Ed Support

PROGRAM DEFICIENCIES







- Storage
- Special Ed
- Dining, Kitchen, and Serving Line
- No Gym

RECOMMENDATION: OPTION 1: REPLACE; OPTION 2: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS



FOREST LAKE
ELEMENTARY
SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |












Forest Lake
Existing Site

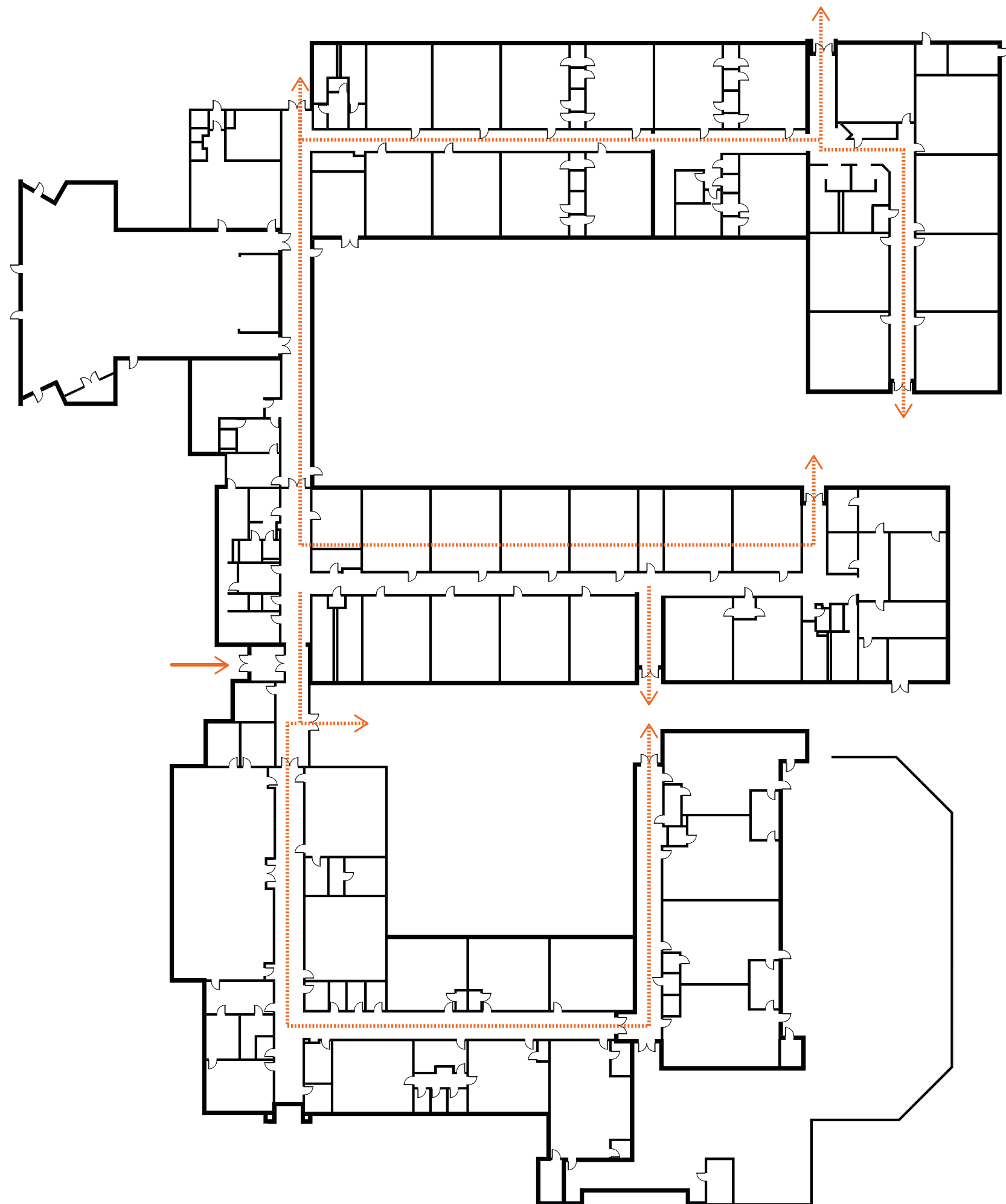
Site constraints do not allow for building expansion, expansion of fields, parking, or site circulation. However, the adjacent site occupied by the former District Office could be utilized for construction of a new replacement school, with demolition of the existing Forest Lake ES building to follow.



Legend

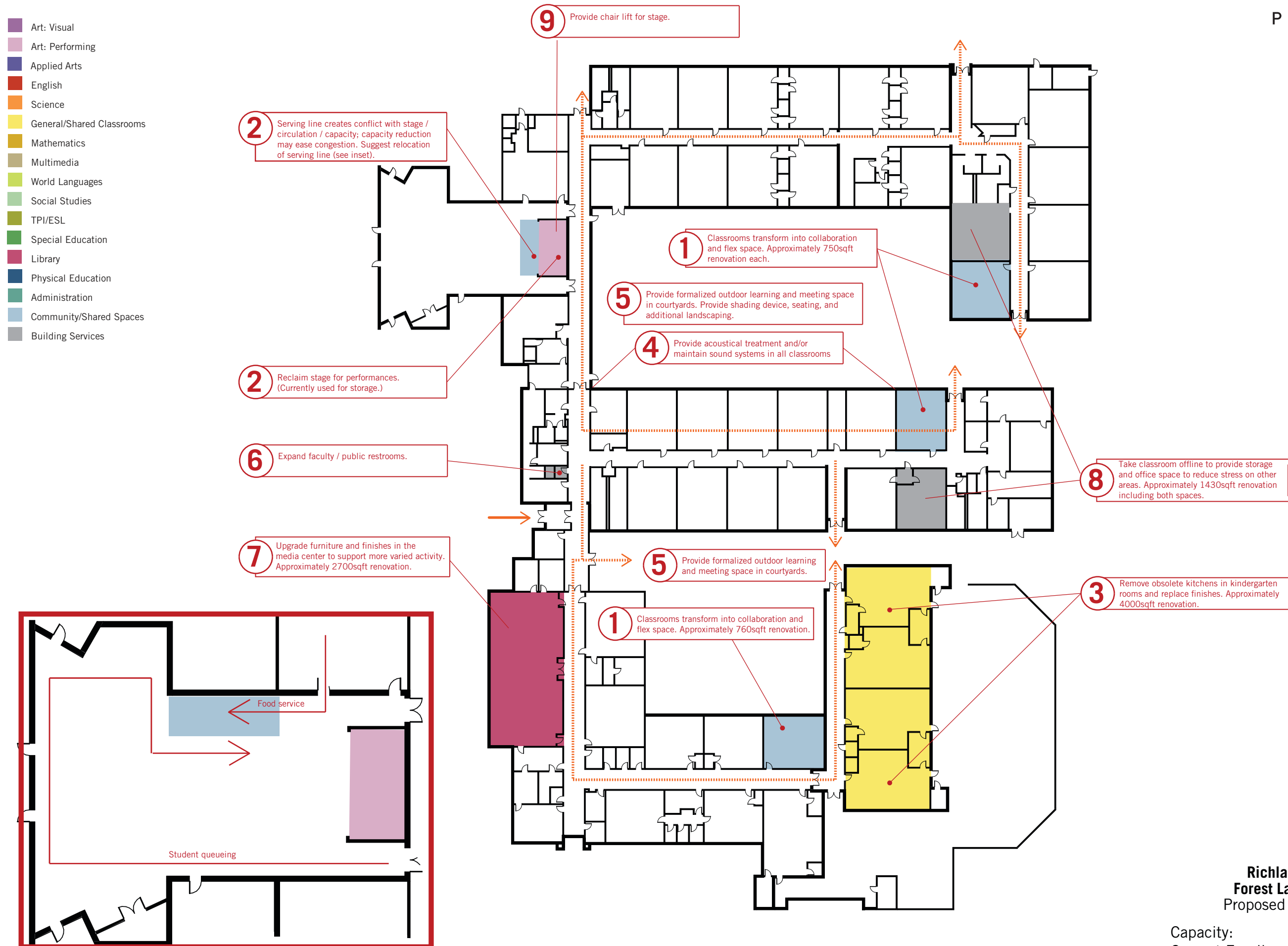
 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

 **Forest Lake Elementary School**
Site Analysis



Forest Lake Elementary School
Existing Plan Diagram





**Richland School District Two
Forest Lake Elementary School**
Proposed Master Plan Diagram

Capacity: 584
Current Enrollment: 594
Proposed Capacity Reduction: 110

2.7

Jackson Creek Elementary School



BACKGROUND INFORMATION:

Address: 7150 Trenholm Road Extension, Columbia, SC 29223

Principal: Dr. Sabina Mosso-Taylor

Built: 2017

Capacity: 762

Current Enrollment: 650

KEY STRENGTHS:

- Neighborhood configuration with a variety of collaborative spaces
- Ample daylighting
- Most closely resembles ideal program

KEY CHALLENGES:

- Parking
- Small Flex Spaces (Work rooms already being converted for these types of spaces)
- Decentralized / floating admin to cover second level

PROGRAM DEFICIENCIES

- NA

RECOMMENDATION: NO CHANGES AT THIS TIME

2.8

Joseph Keels Elementary School



BACKGROUND INFORMATION:

Address: 7500 Springcrest Drive, Columbia, SC 29223

Principal: Alvera Butler

Built: 1959; Addition: 1989; Addition: 2001; Addition (Cafeteria): 2007

Capacity: 651

Current Enrollment: 551

KEY STRENGTHS:

- Existing building is well maintained by staff and teachers.
- Media center is recently renovated.

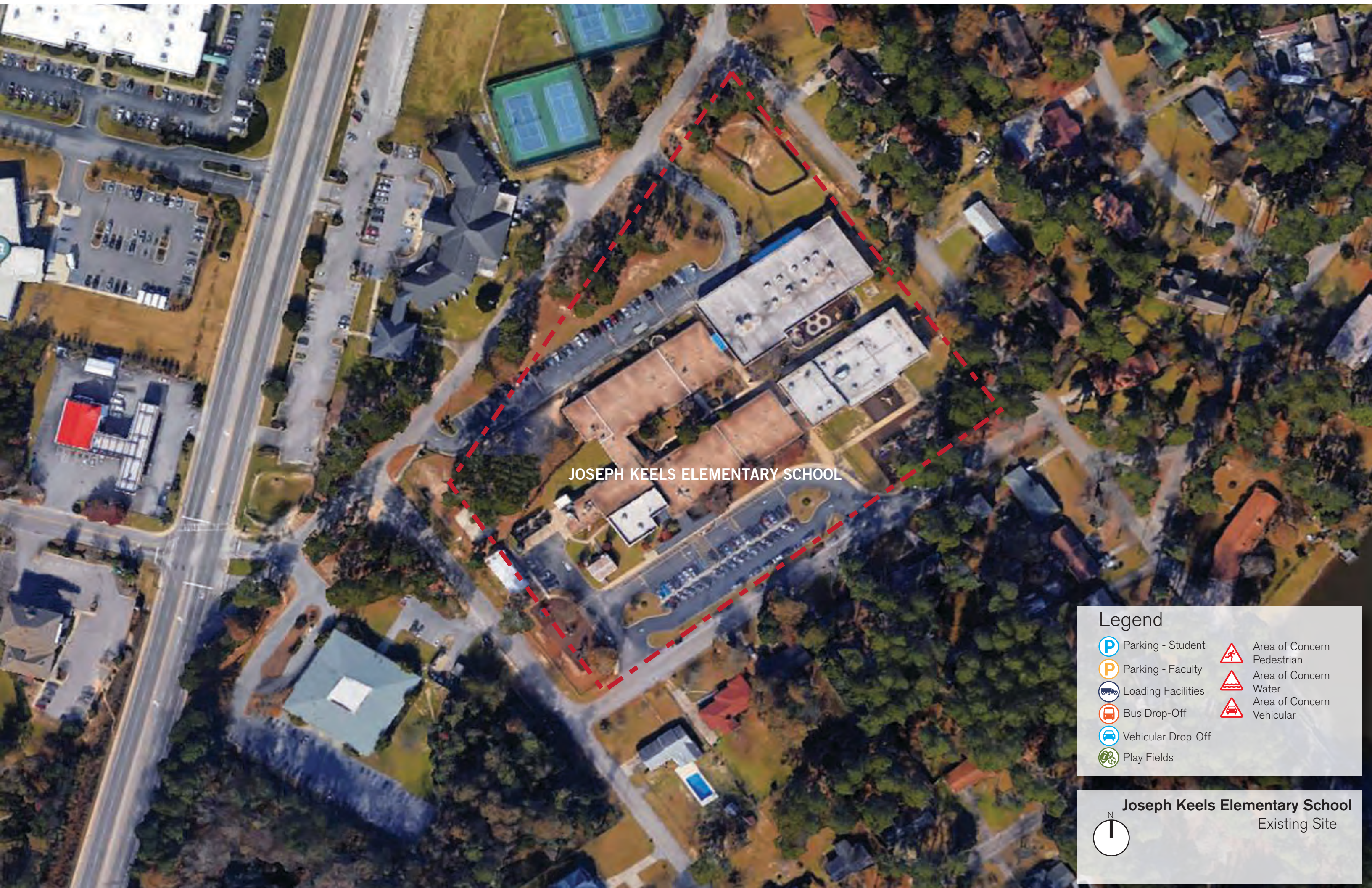
KEY CHALLENGES:

- Assembly and meeting space for students, staff
- Limitations of core spaces due to size: Media Center, Cafeteria, PE, e.g.
- Limitations of special ed spaces
- Constriction of site for outdoor activities, parking, expansion, etc.

PROGRAM DEFICIENCIES










- Typical classroom size
- Storage
- Kitchen and serving (1,500sf+/-)
- Media Center (3,000sf+/-)
- Gym (1,600sf+/- with no access to the outdoors)

RECOMMENDATION: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS (IF LAND BECOMES AVAILABLE, RECOMMENDATION BECOMES FULL REPLACEMENT)



JOSEPH KEELS ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Joseph Keels Elementary School
Existing Site



Site does not allow for building expansion.

Event parking limited; site does not allow expansion

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	










Joseph Keels Elementary School
Site Analysis

N



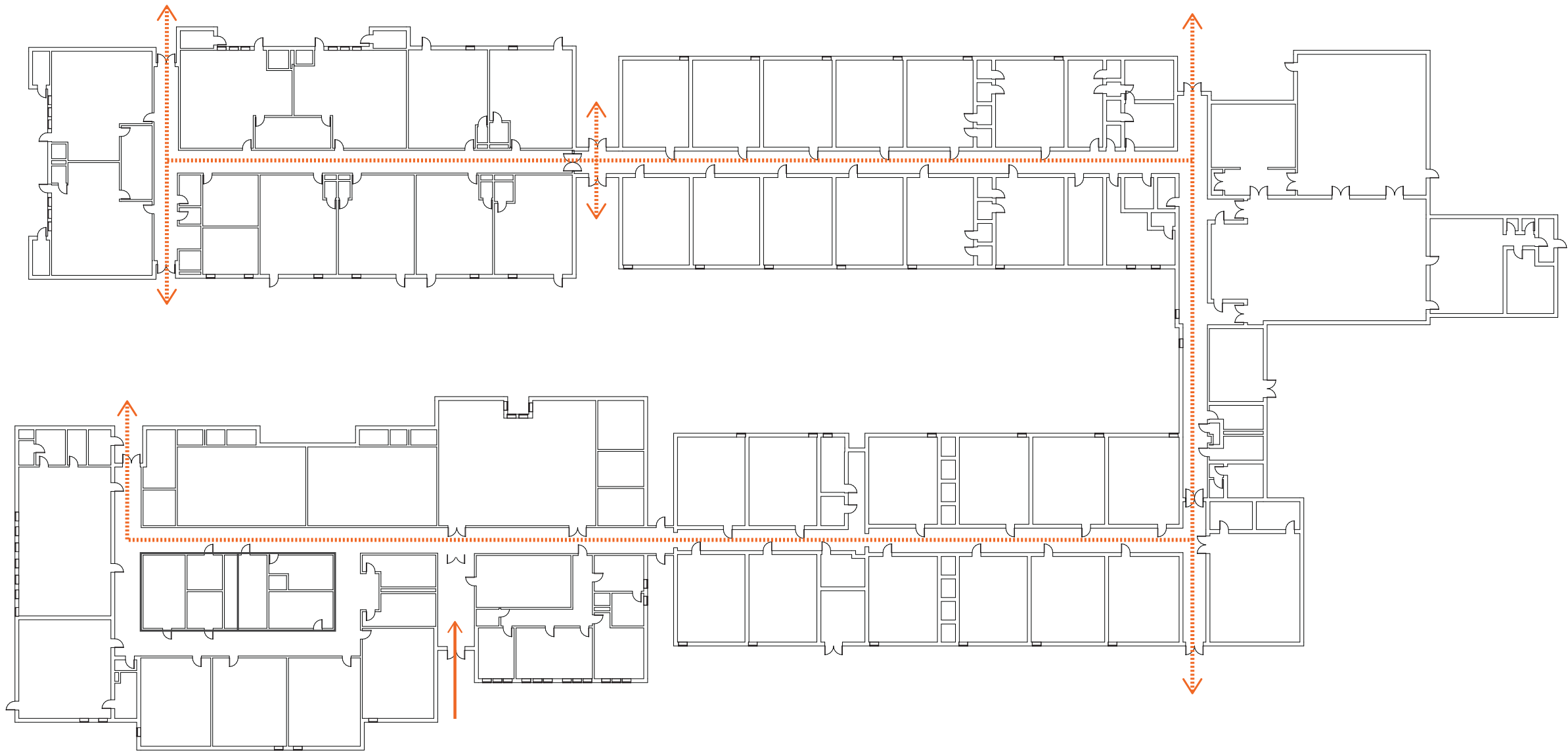
No site changes proposed
due to restrictions.

Legend

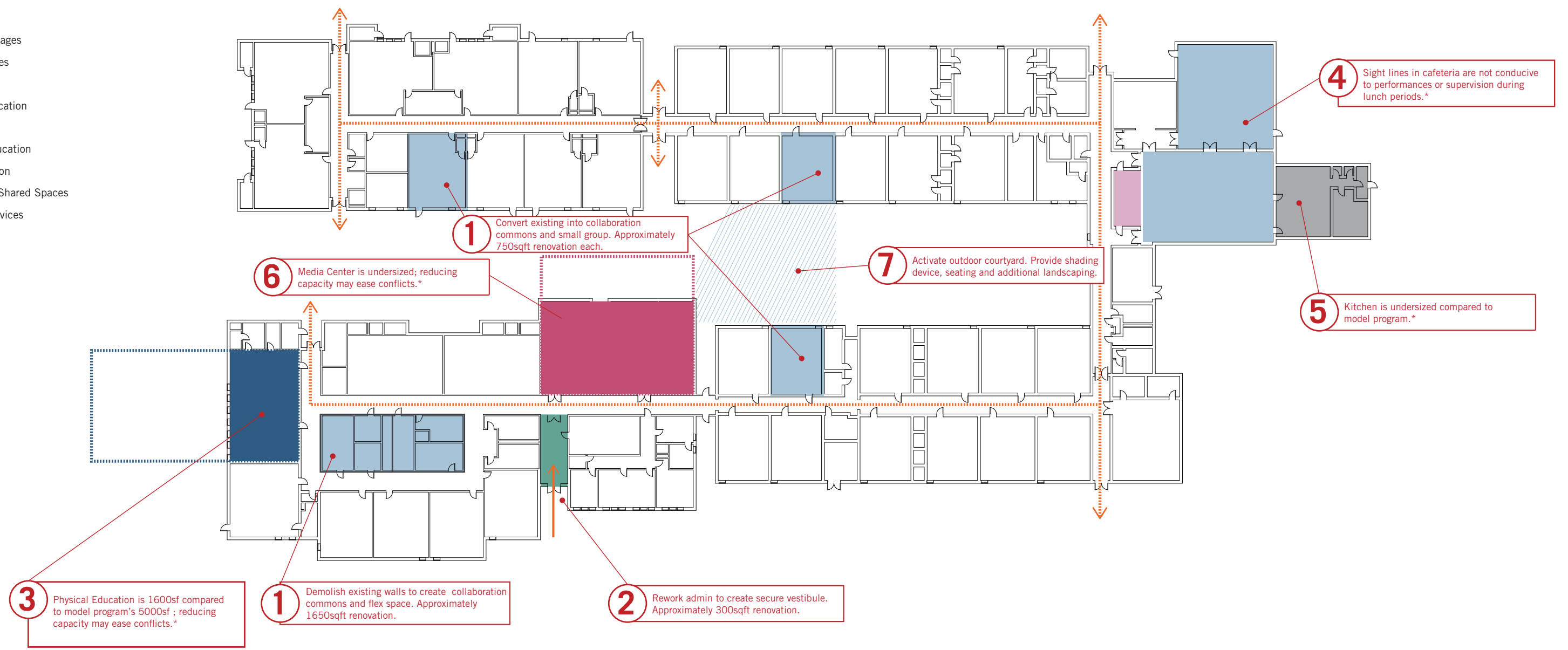
- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |

Joseph Keels Elementary School
Proposed Site





- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



* Site constraints do not permit correction of program deficiency in the current building. Note is provided for information only



Richland School District Two
Joseph Keels Elementary School
Proposed Master Plan Diagram

Capacity:	651
Current Enrollment:	551
Proposed Capacity Reduction:	66
	2.1-71

2.9 Killian Elementary School



BACKGROUND INFORMATION:

Address: 2621 Clemson Road, Columbia, SC 29229

Principal: Stacey Franklin

Built: 1998; Addition: 2011

Capacity: 702

Current Enrollment: 733 (over capacity)

KEY STRENGTHS:

- Core spaces are sized similarly to the ideal program

KEY CHALLENGES:

- Capacity
- Whole School Meeting Space
- Capacity

PROGRAM DEFICIENCIES


- NA

RECOMMENDATION: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS



KILLIAN
ELEMENTARY
SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Killian Elementary School
Existing Site



Daycare dismissal occurs in the bus loop.

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	










Killian Elementary School
Site Analysis




Provide shading (landscape or fabric shade) for portions of play area.

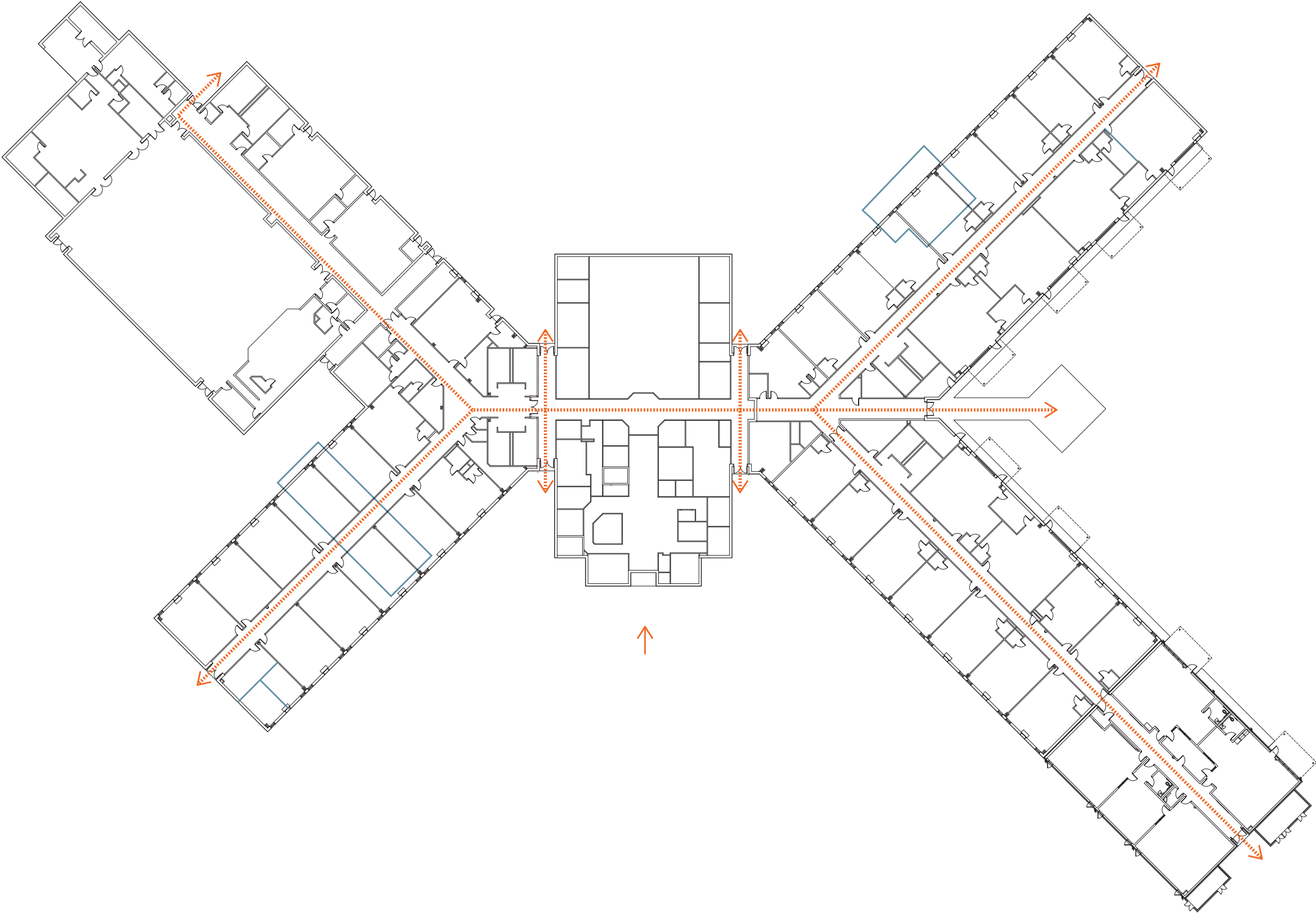
Maintain schedule which avoids mixing of cars and busses, or dismiss daycare at car loop.

Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

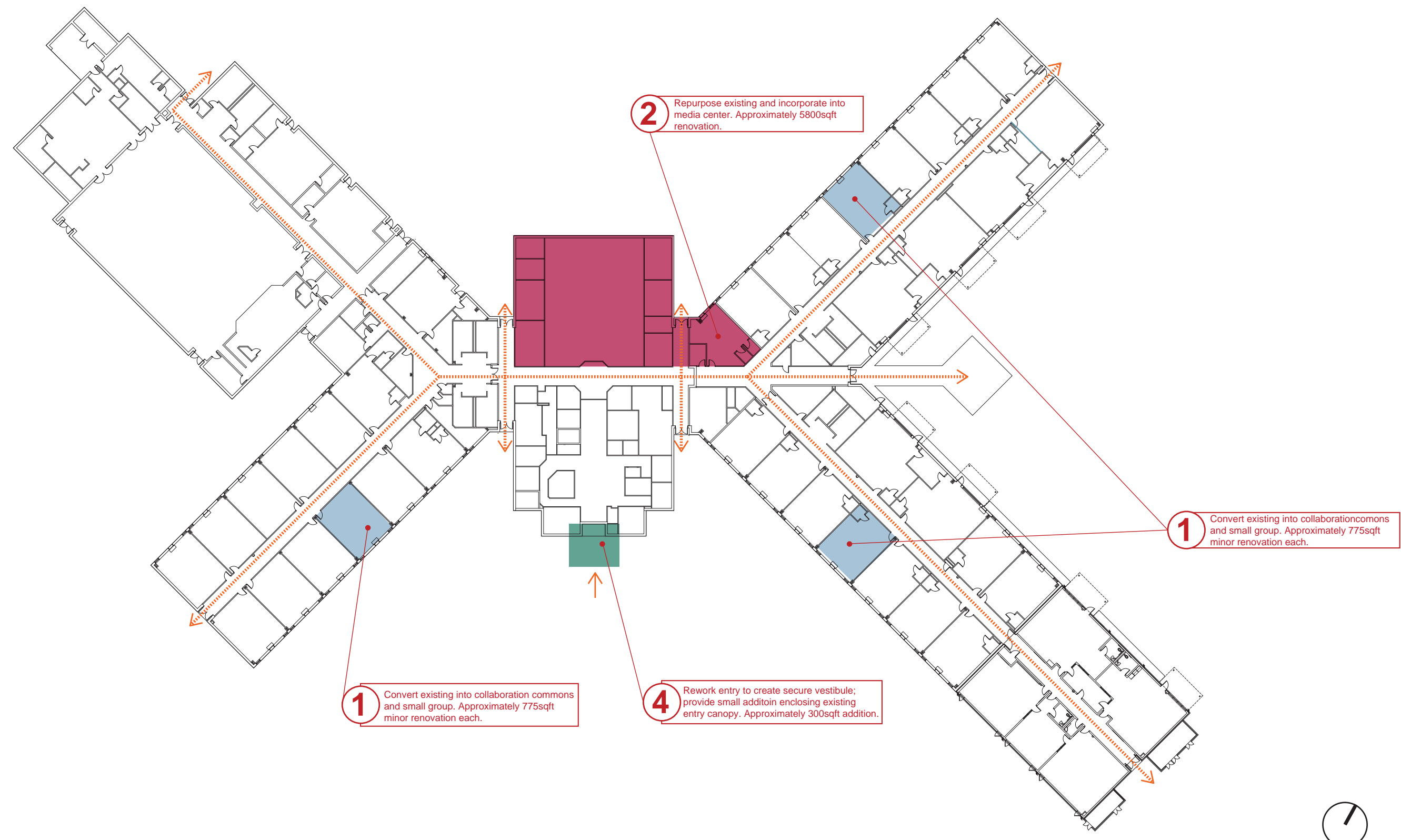
 **Killian Elementary School**
Proposed Site

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Killian Elementary School
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Richland School District Two

Killian Elementary School

Proposed Master Plan Diagram

Capacity:	702
Current Enrollment:	773
Proposed Capacity Reduction:	66

2.10

Lake Carolina Lower Elementary School



BACKGROUND INFORMATION:

Address: 1151 Kelly Mill Road, Blythewood, SC 29016

Principal: Dr. Andrea Berry

Built: 2002

Capacity: 594

Current Enrollment: 475

KEY STRENGTHS:

- Near neighborhoods, allowing a high proportion of walkers
- Classroom size and most core spaces are in-line with ideal program

KEY CHALLENGES:

- Pedestrian conflicts with cars
- Security at vestibules
- Performance spaces

PROGRAM DEFICIENCIES

- Kitchen and Serving (2,300sf+/-)







RECOMMENDATION: PROVIDE MODEST RENOVATIONS AND ADDITIONS TO MAINTAIN CAPACITY.

Photo Source: <http://richland2.org>

**LAKE CAROLINA
LOWER
ELEMENTARY
SCHOOL**

**KELLY MILL
MIDDLE SCHOOL**

Legend

- | | |
|--|---|
|  Parking - Student |  Area of Concern
Pedestrian |
|  Parking - Faculty |  Area of Concern
Water |
|  Loading Facilities |  Area of Concern
Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Lake Carolina Lower Elementary School
Existing Site



Visitors sometimes confuse
Lake Carolina Upper and Lower

Pedestrians conflict with cars.

Pedestrians conflict with cars.

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

**Lake Carolina Lower Elementary School
Site Analysis**

N



**LAKE CAROLINA
LOWER
ELEMENTARY SCHOOL**

**KELLY MILL
MIDDLE SCHOOL**

Provide additional signage
to aid wayfinding

Provide cross walk.

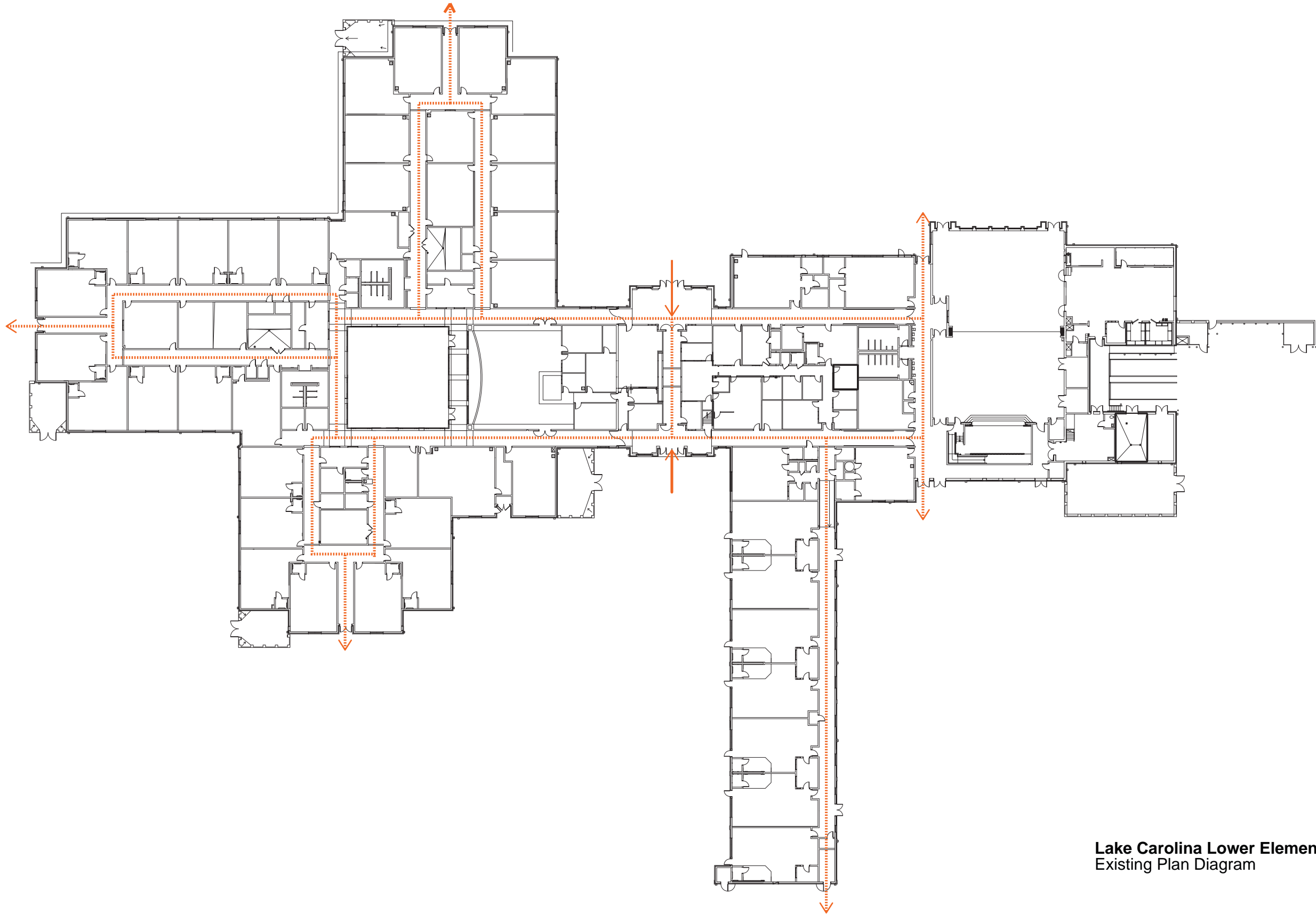
Provide internal sidewalks.

Legend

- | | |
|--------------------|----------------------------|
| Parking - Student | Area of Concern Pedestrian |
| Parking - Faculty | Area of Concern Water |
| Loading Facilities | Area of Concern Vehicular |
| Bus Drop-Off | |
| Vehicular Drop-Off | |
| Play Fields | |

**Lake Carolina Lower Elementary School
Proposed Site**





Lake Carolina Lower Elementary School
Existing Plan Diagram



2.1-83

2.11

Lake Carolina Upper Elementary School



BACKGROUND INFORMATION:

Address: 1261 Kelly Mill Road, Blythewood, SC 29016

Principal: Jeff Williams

Built: 2014

Capacity: 747

Current Enrollment: 479

KEY STRENGTHS:

- Building spaces are in line with ideal program.
- Building is comparatively new.
- Ample daylight.

KEY CHALLENGES:

- Ability to secure the building quickly
- Size and configuration of outdoor play fields
- Storage

PROGRAM DEFICIENCIES

- NA

RECOMMENDATION: NO CHANGES AT THIS TIME

2.12

Langford Elementary School



BACKGROUND INFORMATION:

Address: 480 Langford Road, Blythewood, SC 29016

Principal: Kaseena Jackson

Built: 2010

Capacity: 747

Current Enrollment: 461

KEY STRENGTHS:

- Building is in good condition and programmed spaces adequately sized.
- Ample natural light and outdoor learning areas

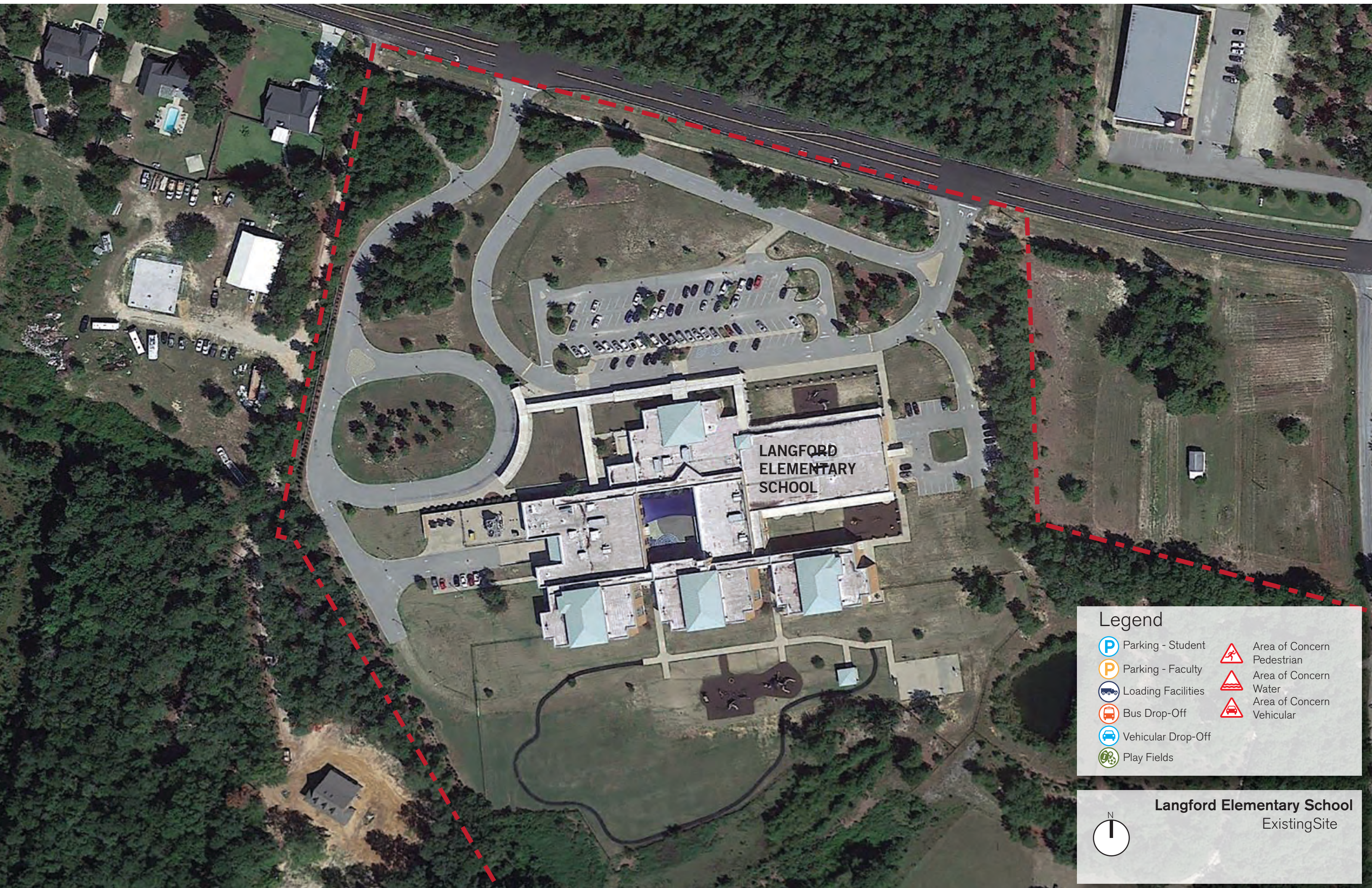
KEY CHALLENGES:

- Collaboration space
- Small group / flex spaces
- Grade-level meeting spaces
- Special Ed

PROGRAM DEFICIENCIES

- NA

RECOMMENDATION: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS



LANGFORD
ELEMENTARY
SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Langford Elementary School
ExistingSite



Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Langford Elementary School
Site Analysis

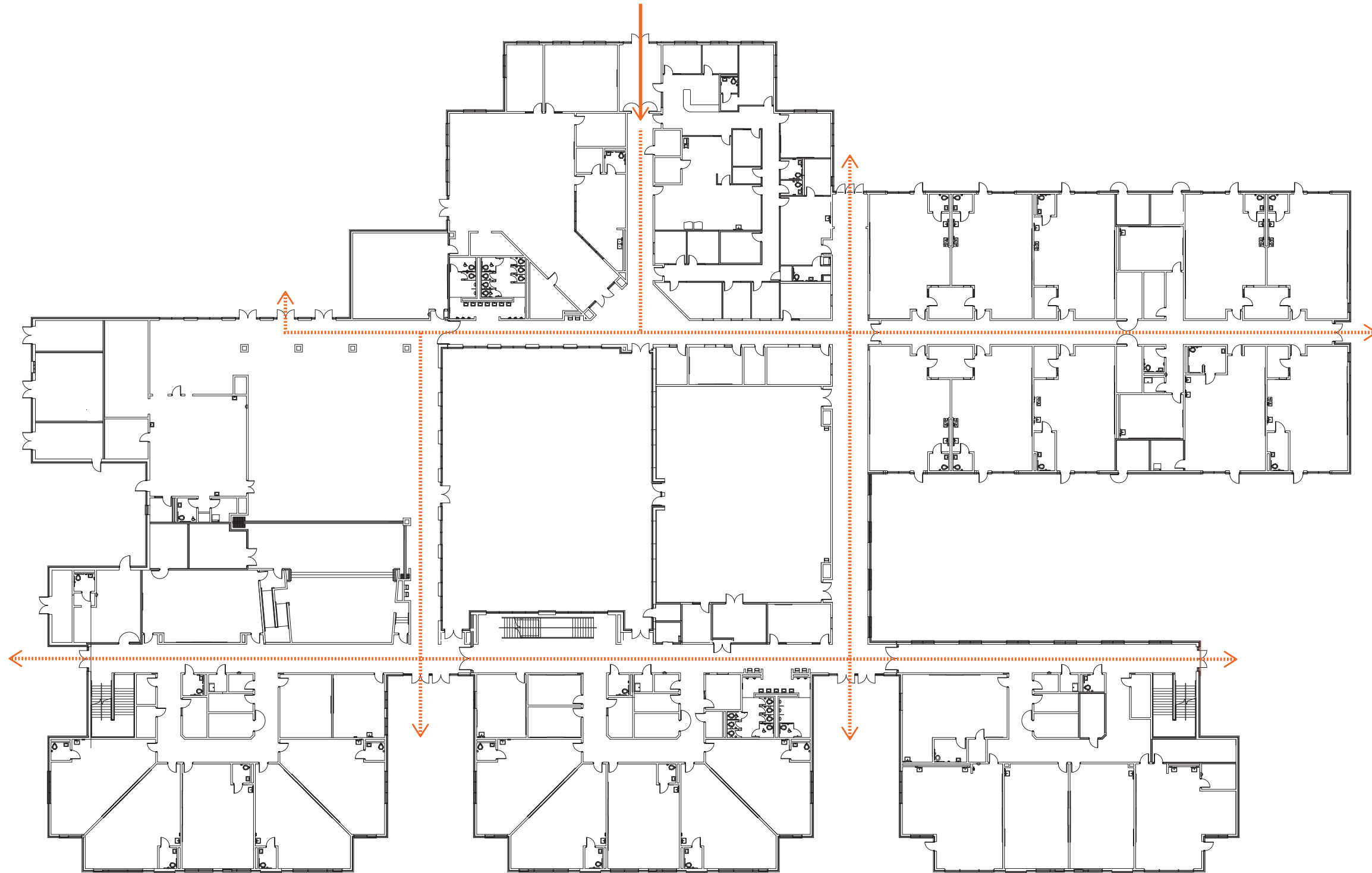


Legend

- | | |
|--------------------|----------------------------|
| Parking - Student | Area of Concern Pedestrian |
| Parking - Faculty | Area of Concern Water |
| Loading Facilities | Area of Concern Vehicular |
| Bus Drop-Off | |
| Vehicular Drop-Off | |
| Play Fields | |

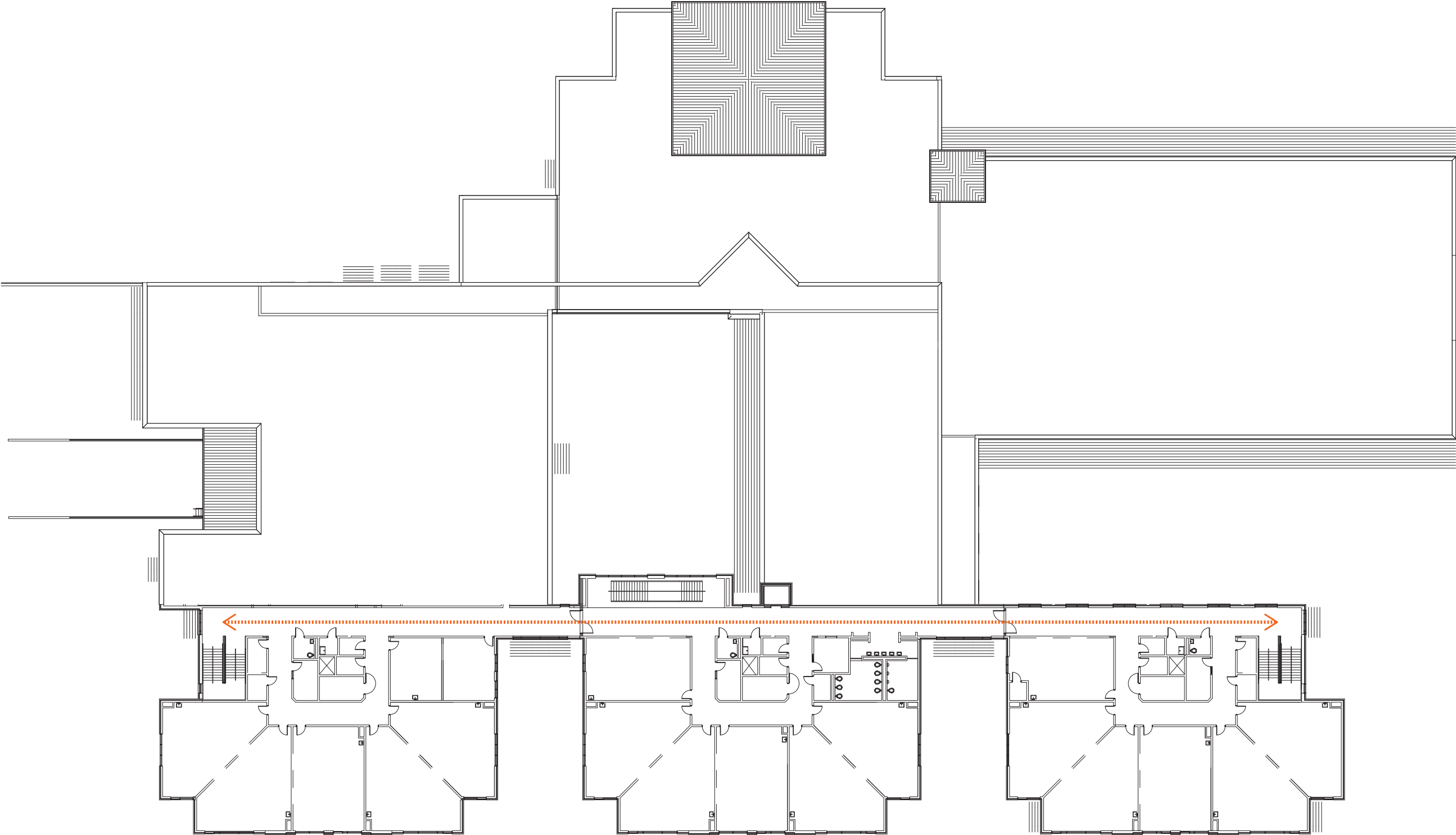


Langford Elementary School
Proposed Site



Langford Elementary School
Existing Plan Diagram

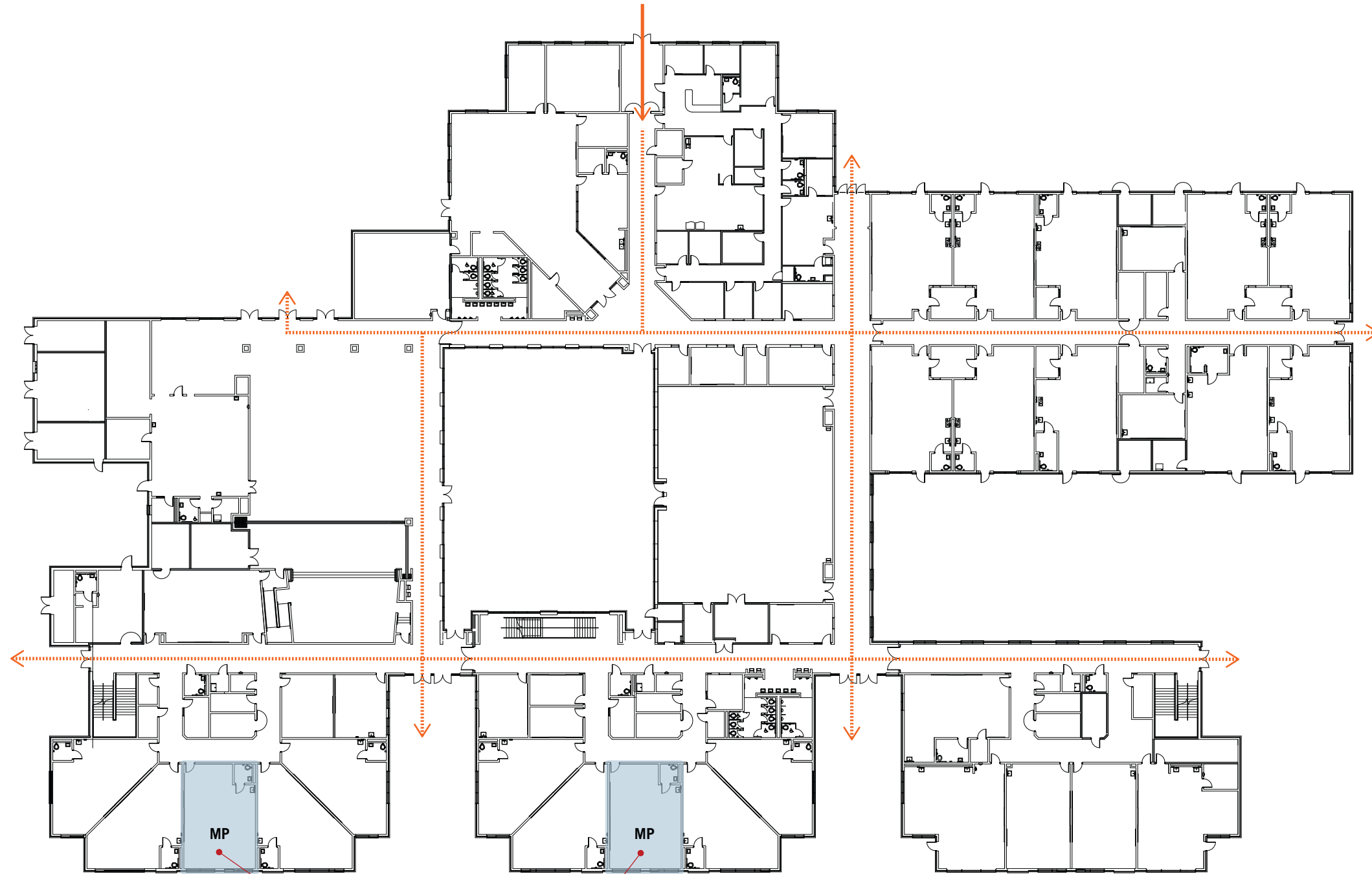
First Floor



Langford Elementary School
Existing Plan Diagram

Second Floor

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



1 Convert one classroom to multi-purpose collaboration space at each grade. Approximately 900sqft renovation each.

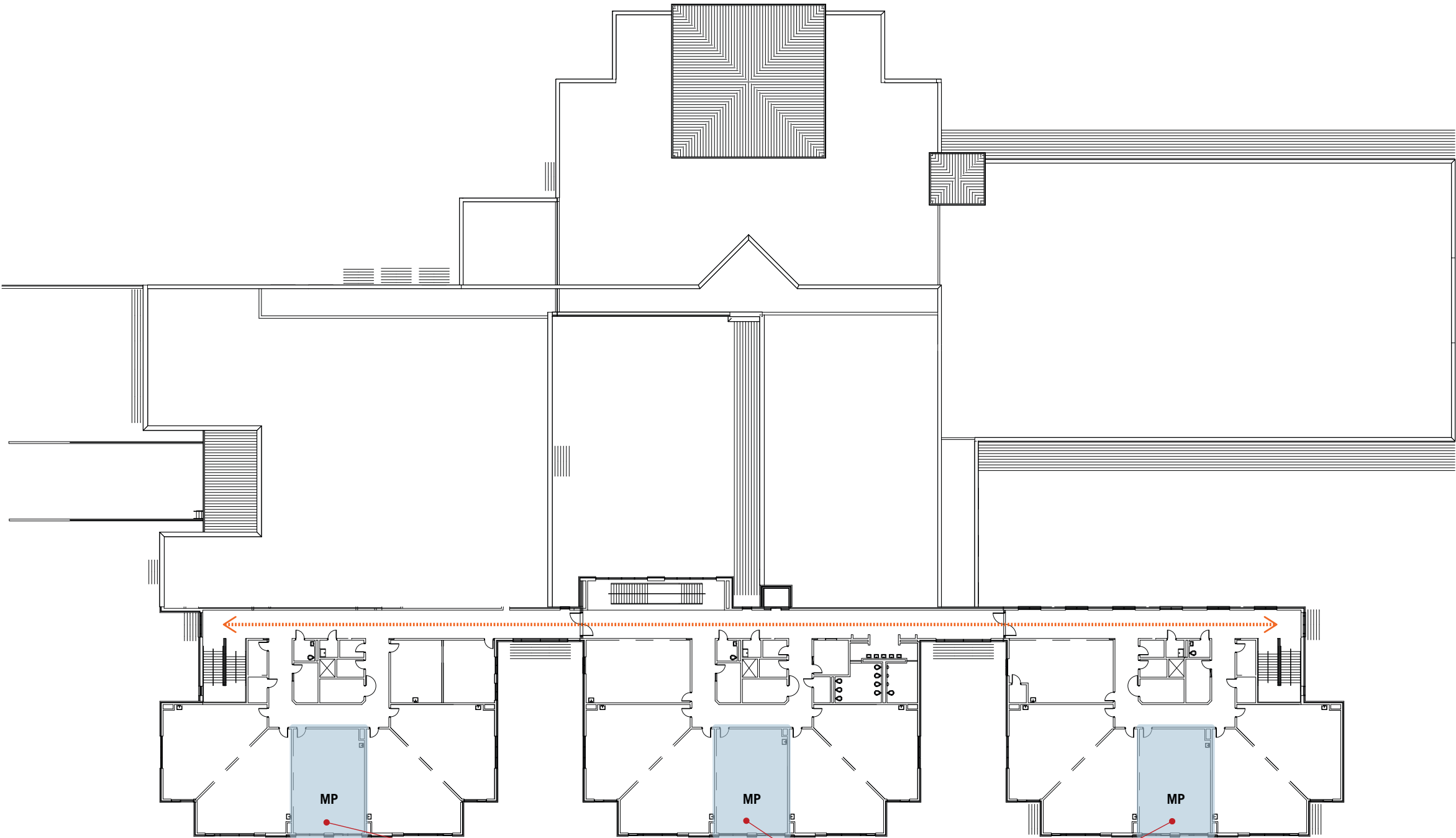


**Richland School District Two
Langford Elementary School**

Proposed Master Plan Diagram - First Floor

Capacity:	747
Current Enrollment:	461
Proposed Capacity Reduction:	110

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



1 Convert one classroom to multi-purpose collaboration space at each grade. Approximately 900sqft renovation each.



**Richland School District Two
Langford Elementary School**
Proposed Master Plan Diagram - Second Floor

Capacity:	747
Current Enrollment:	461
Proposed Capacity Reduction:	110

2.13

Lonnie B. Nelson Elementary School



BACKGROUND INFORMATION:

Address: 7500 Brookfield Road, Columbia SC 29223

Principal: Sabrina Suber

Built: 1962; Addition: 1989; Addition: 2001; Addition (Cafeteria): 2007

Capacity: 569

Current Enrollment: 588 (over capacity)

KEY STRENGTHS:

- Building is well maintained and cared for
- Outdoor areas are working well

KEY CHALLENGES:

- Bathrooms
- Storage
- Small group spaces
- Cafeteria

PROGRAM DEFICIENCIES

- Typical classroom size
- Storage
- Kitchen (1,300sf+/-)
- Media Center (2,700sf+/-)
- Gym (1,600sf+/- with no access to the outdoors)

RECOMMENDATION: OPTION 1: REPLACE; OPTION 2: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS



LONNIE B. NELSON
ELEMENTARY SCHOOL

Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields

-  Area of Concern
Pedestrian
-  Area of Concern
Water
-  Area of Concern
Vehicular

Lonnie B. Nelson Elementary School
Existing Site





Car rider line bottlenecks;
Parents use faculty parking



Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

Lonnie B. Nelson Elementary School
Site Analysis

N




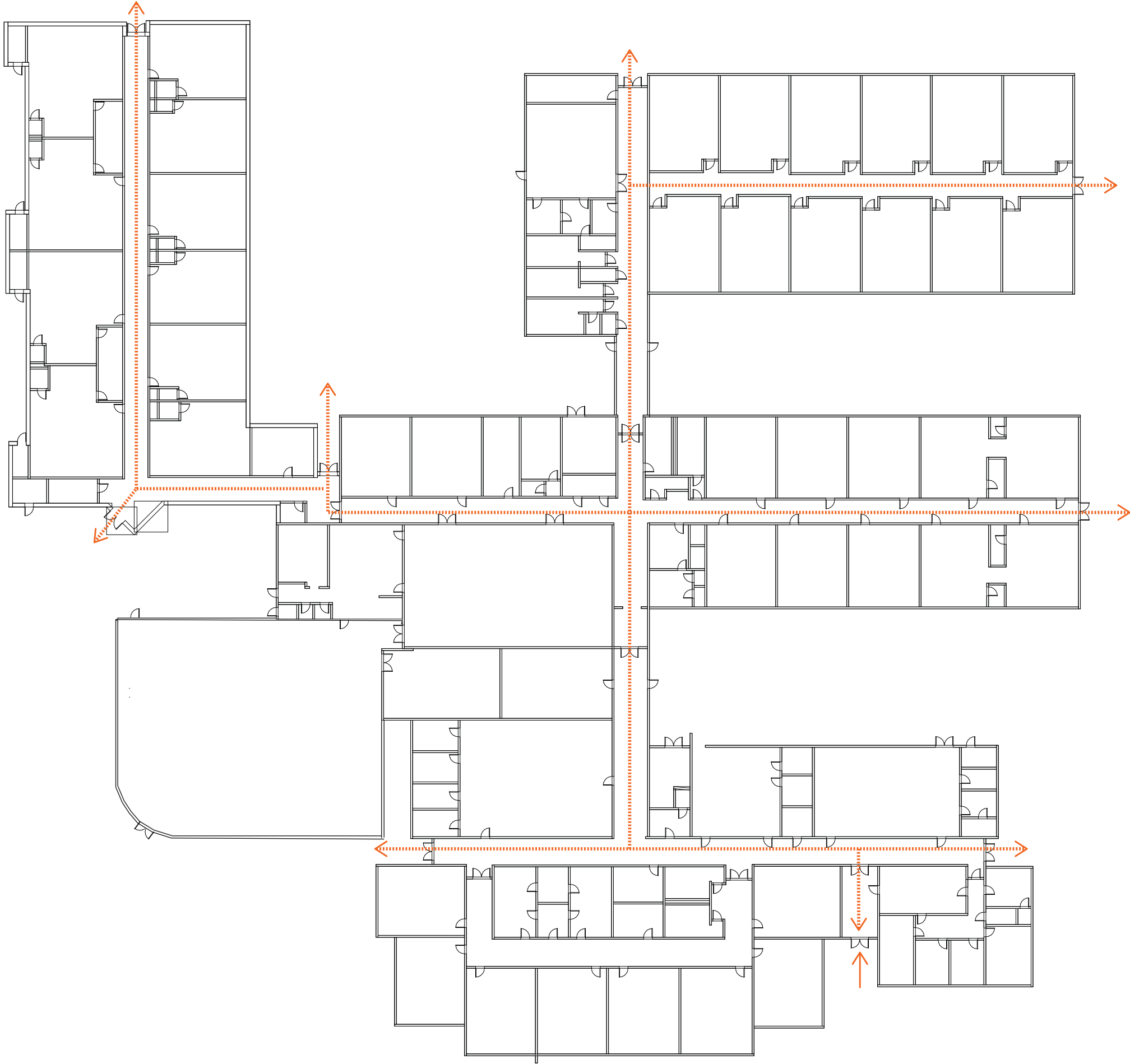
Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

Lonnie B. Nelson Elementary School
Proposed Site

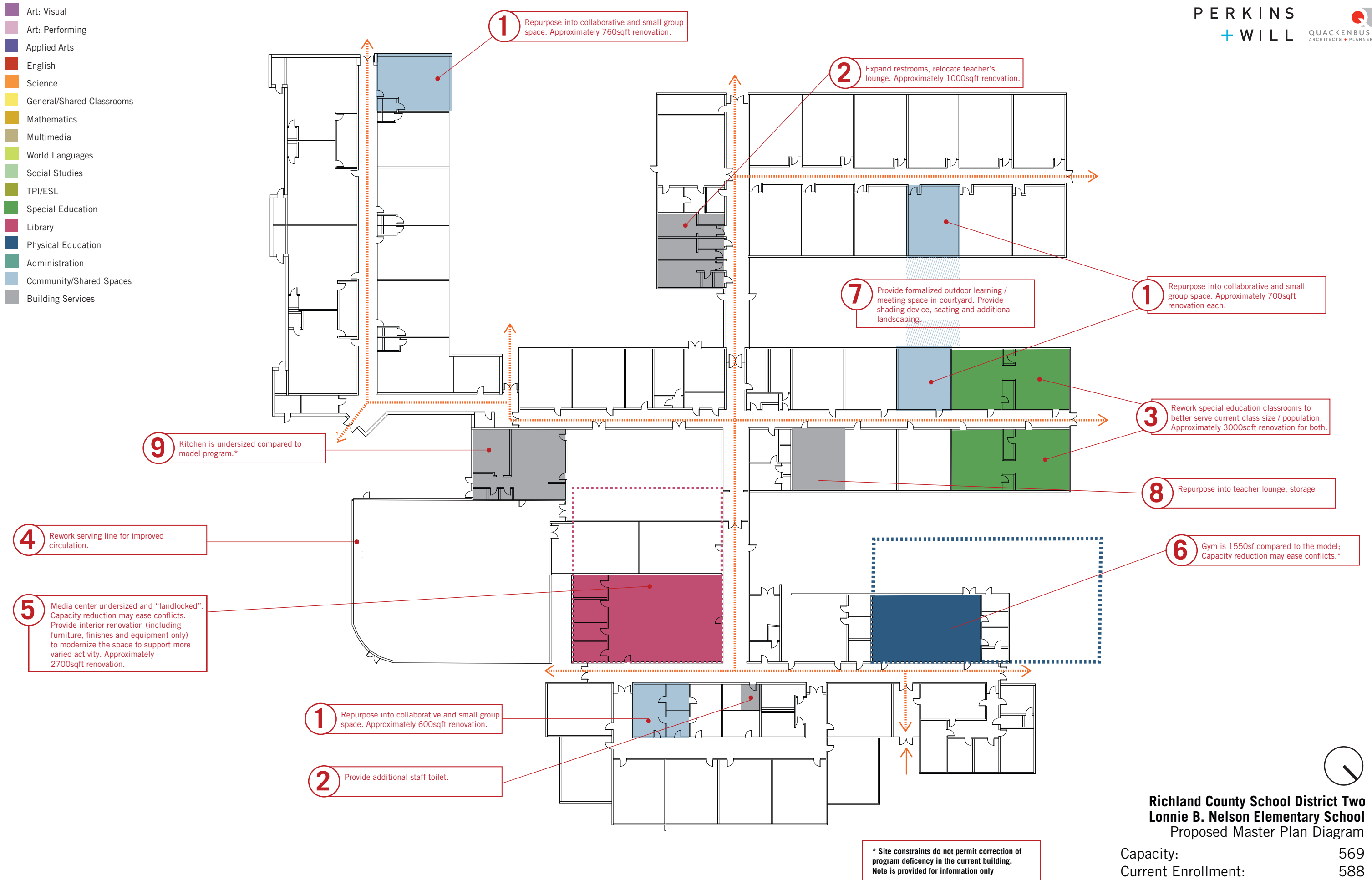
N





Lonnie B. Nelson Elementary School
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Richland County School District Two
Lonnie B. Nelson Elementary School
Proposed Master Plan Diagram

Capacity:	569
Current Enrollment:	588
Proposed Capacity Reduction:	88

2.14

North Springs Elementary School

BACKGROUND INFORMATION:

Address: 1300 Clemson Road, Columbia, SC 29229

Principal: Dr. David Holzendorf

Built: 1982; Addition: 2007

Capacity: 795

Current Enrollment: 760

KEY STRENGTHS:

- Area is available on site for outdoor learning
- Area is available for building expansion

KEY CHALLENGES:

- Storage for PBL
- Keeping grade levels together
- Furniture
- Site - car and bus loops
- Whole-group meetings

PROGRAM DEFICIENCIES

- Typical Classroom Size
- Storage
- Dining (*4,200sf+/-)
- Media Center (3,500sf+/-)
- Gym (1,200sf+/-)

RECOMMENDATION: OPTION 1: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS; OPTIONS 2: PROVIDE RENOVATIONS PLUS AN ADDITION TO MAINTAIN CAPACITY





Legend



Parking - Student



Parking - Faculty



Loading Facilities



Bus Drop-Off



Vehicular Drop-Off



Play Fields



Area of Concern
Pedestrian



Area of Concern
Water



Area of Concern
Vehicular

North Springs Elementary School

Existing Site





Daycare dismissal occurs in the bus loop, creating potential for cars and busses to mix.

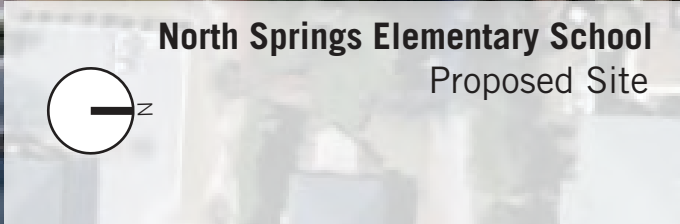
Signage can be hard to read from Clemson Road due to traffic speed and size/orientation of sign.

Eliminate parking on loop to alleviate congestion

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

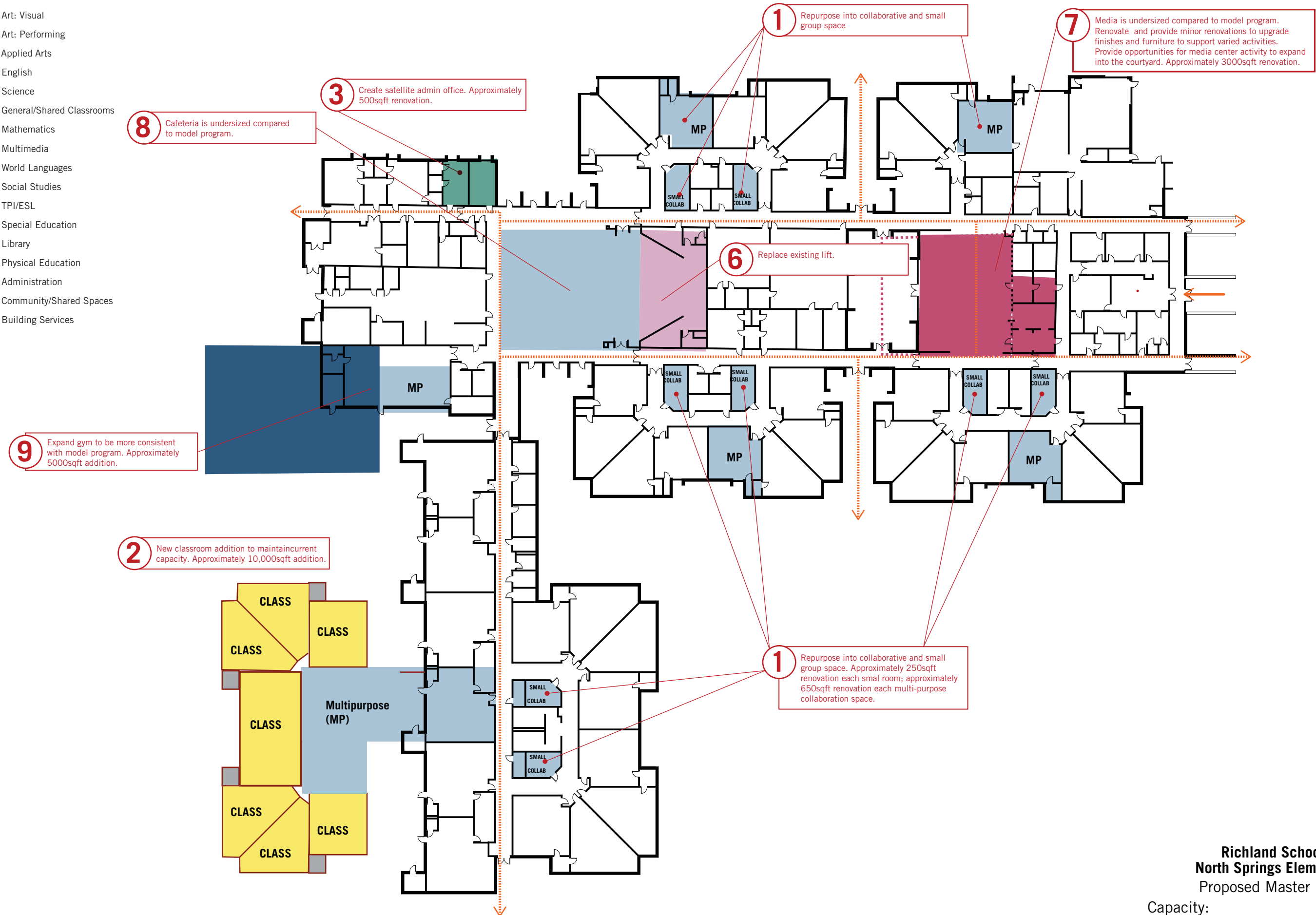
North Springs Elementary School
Site Analysis





North Springs Elementary School
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



**Richland School District Two
North Springs Elementary School**
Proposed Master Plan Diagram

Capacity: 795
Current Enrollment: 760
Proposed Capacity Reduction: 0

2.15

Polo Road Elementary School



BACKGROUND INFORMATION:

Address: 1250 Polo Road, Columbia, SC 29223

Principal: Dr. Cassandra S. Bosier

Built: 2006

Capacity: 700

Current Enrollment: 684

KEY STRENGTHS:

- Building is comparatively new and in good condition
- General academic and core spaces are mostly in line with the ideal program.

KEY CHALLENGES:

- Grade level community spaces
- Small flex spaces / small group spaces

PROGRAM DEFICIENCIES

- NA

RECOMMENDATION: OPTION 1: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS; OPTION 2: PROVIDE RENOVATIONS PLUS AN ADDITION TO MAINTAIN CAPACITY.

Photo Source: <http://richland2.org>




Potential
flooded
adjacent
area

POLO ROAD
ELEMENTARY
SCHOOL

Legend




 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

 Polo Road Elementary School
Site Analysis



Potential
playground
adjacent to
school

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |




Polo Road Elementary School
Site Analysis

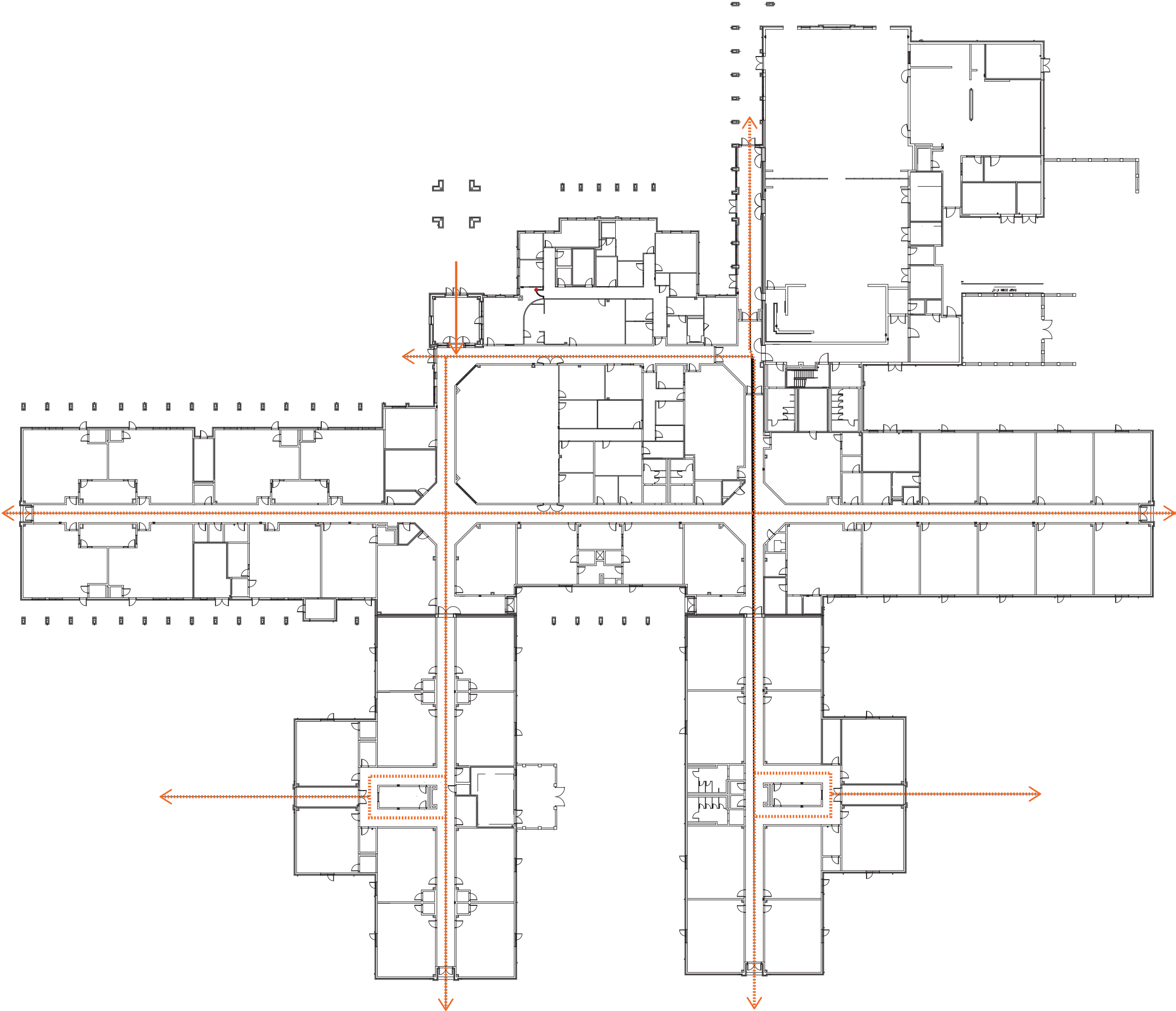


Potential classroom additions

Legend

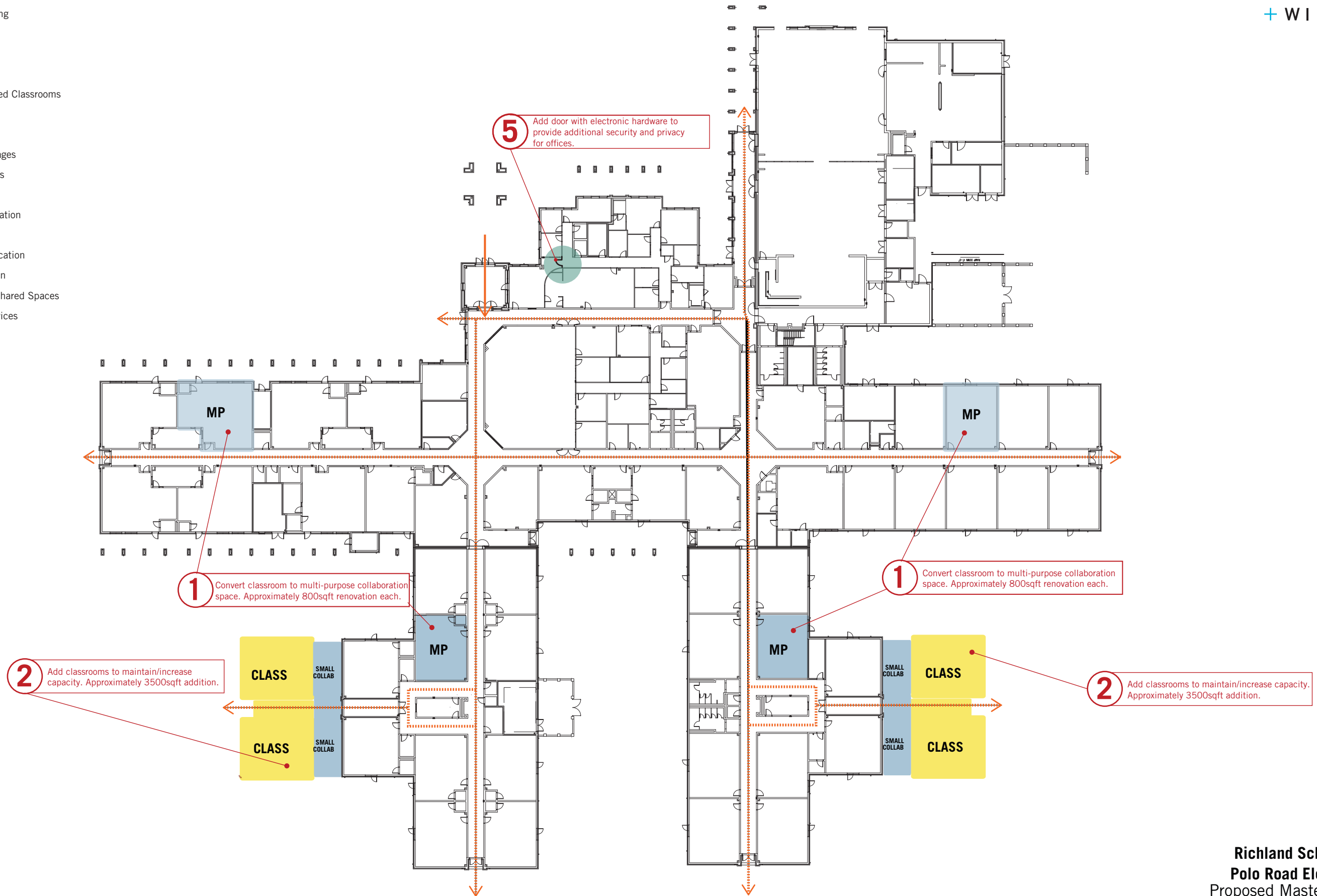
Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

 **Polo Road Elementary School**
Proposed Site



Polo Road Elementary School
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Richland School District Two
Polo Road Elementary School
Proposed Master Plan Diagram

Capacity: 700
Current Enrollment: 684
Proposed Capacity Reduction: 0

2.16

Pontiac Elementary School



BACKGROUND INFORMATION:

Address: 500 Spears Creek Church Road, Columbia SC 29223

Principal: Dr. Katie Barber

Built: 1990; Addition: 2001

Capacity: 757

Current Enrollment: 714

KEY STRENGTHS:

- Layout of the building is working well
- Site has area available for use

KEY CHALLENGES:

- Parking and Traffic
- Storage for Montessori and Science
- Lock down at front door

PROGRAM DEFICIENCIES




- Dining (3,000sf+/-)
- Gym (2,000sf+/-)
- Media (3,400sf+/-)
- Storage

RECOMMENDATION: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS

PONTIAC
ELEMENTARY
SCHOOL

Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields










-  Area of Concern
Pedestrian
-  Area of Concern
Water
-  Area of Concern
Vehicular




Pontiac Elementary School
Existing Site

Car line backs up on
Spears Creek Church Road

Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields
-  Area of Concern Pedestrian
-  Area of Concern Water
-  Area of Concern Vehicular

Pontiac Elementary School
Site Analysis





Additional parking and improved queueing may alleviate traffic congestion on Spears Creek Road.

Cafeteria expansion

Provide additional parking and improve queueing

Divide playground to separate age groups

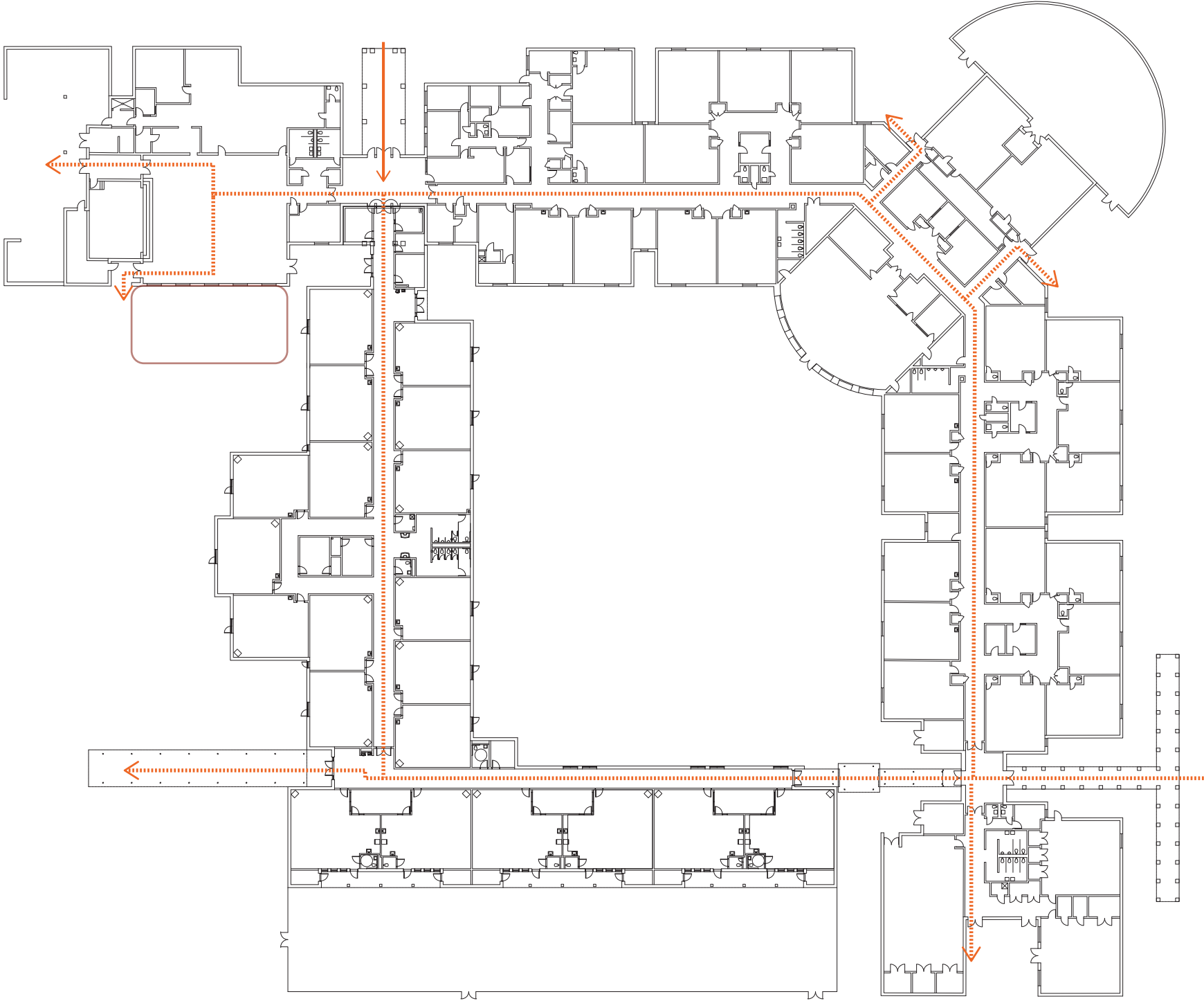
Providing additional parking and improved queueing may alleviate improper parking at local businesses during drop off

Gym expansion

Legend

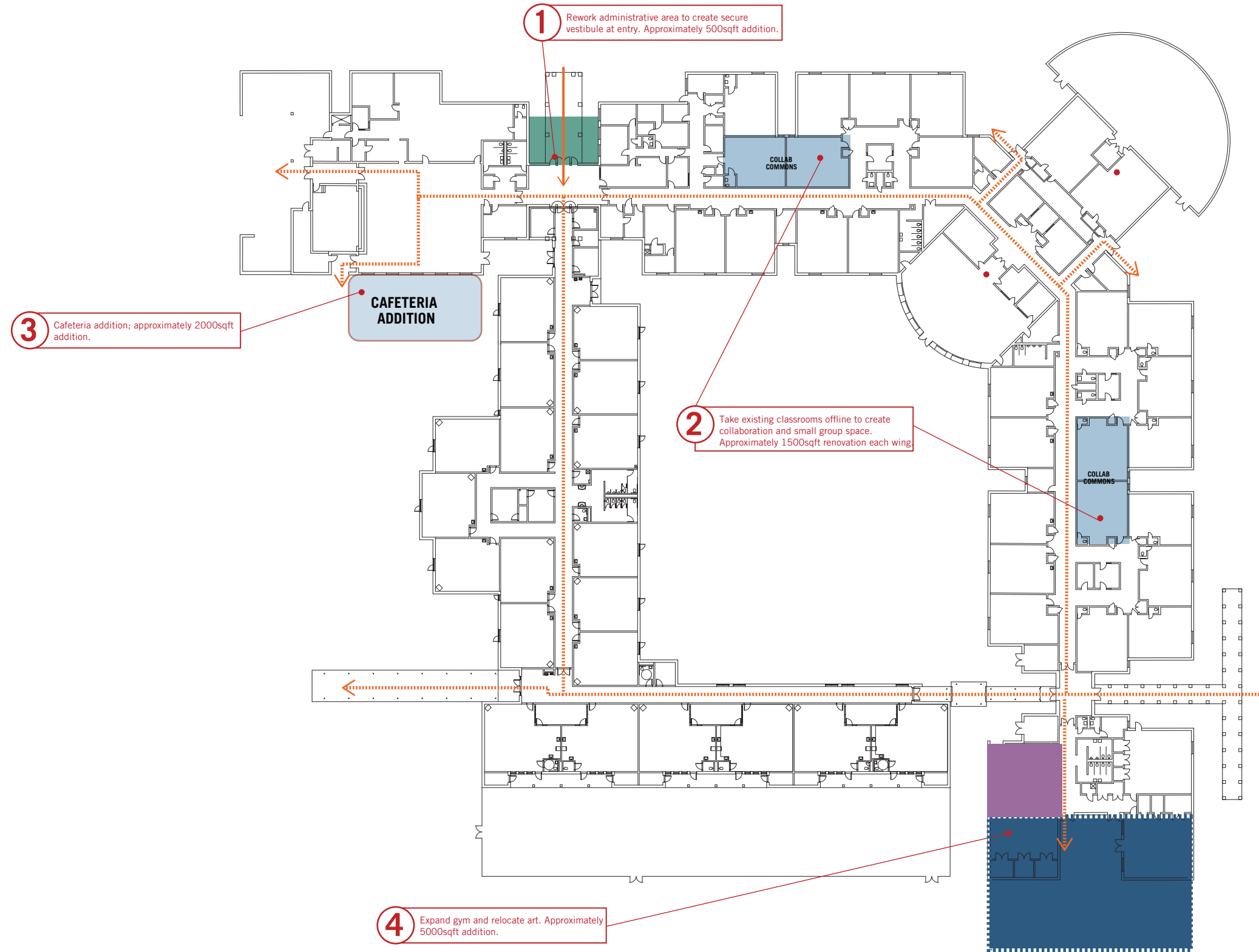
Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

Pontiac Elementary School
Proposed Site



Pontiac Elementary School
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



**Richland School District Two
Pontiac Elementary School**
Proposed Master Plan Diagram

Capacity:	757
Current Enrollment:	714
Proposed Capacity Reduction:	88

2.17

Rice Creek Elementary School



BACKGROUND INFORMATION:

Address: 4751 Hardscrabble Road, Columbia SC 29229
Principal: Stacey Gadson
Built: 1993; Addition: 2003
Capacity: 757
Current Enrollment: 744

KEY STRENGTHS:

- Layout of the building is working well
- Building is well maintained and cared for

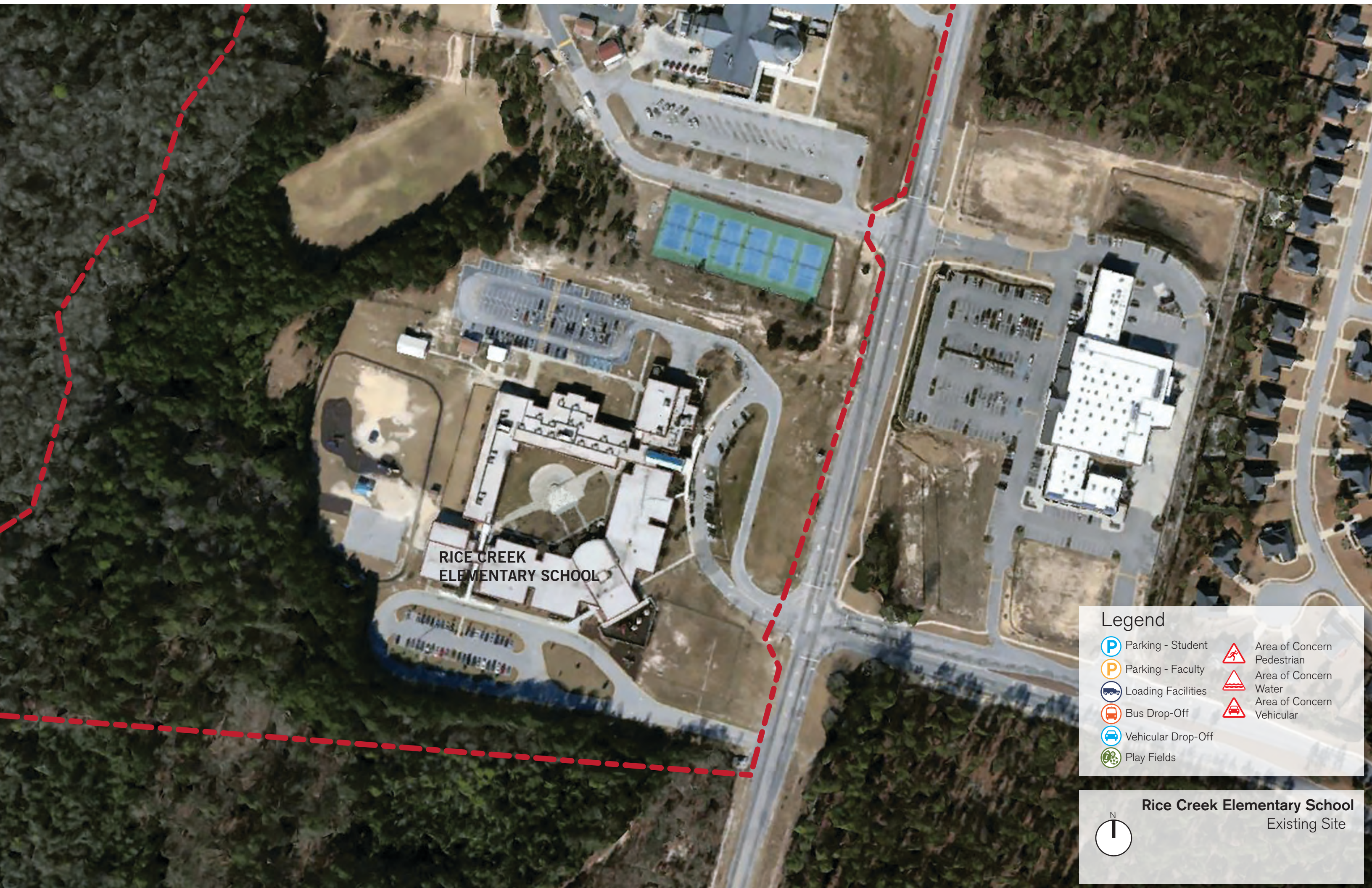
KEY CHALLENGES:

- Security at front entrance
- Whole-school meeting space
- Parking

PROGRAM DEFICIENCIES

- Storage
- Dining (3,000sf+/-)
- Gym (2,000sf+/-)
- Media (3,400sf+/-)

RECOMMENDATION: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS



RICE CREEK
ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Rice Creek Elementary School
Existing Site







Remove portable and expand car loop


Wetlands

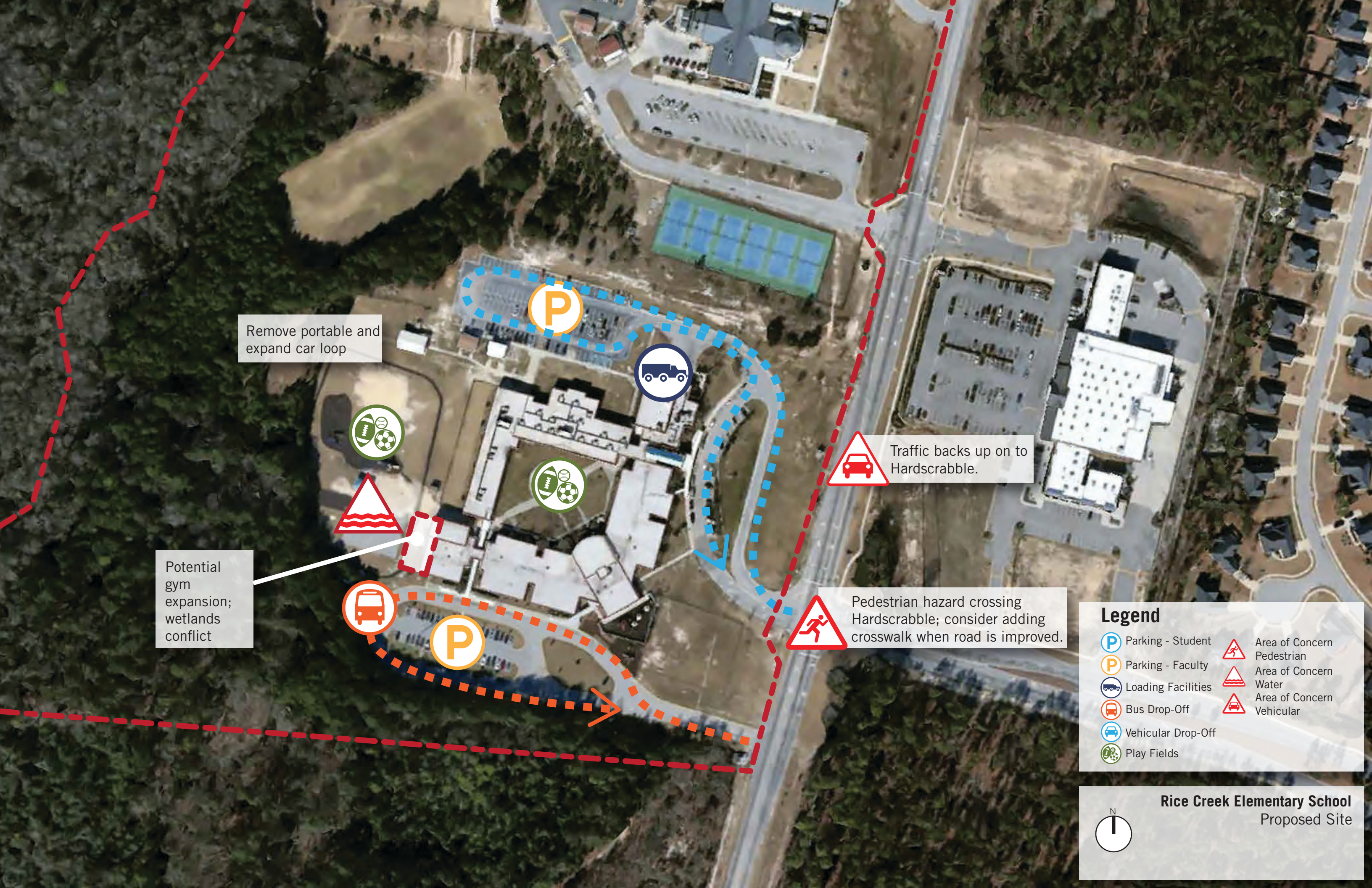
Traffic backs up on to Hardscrabble.

Pedestrian hazard crossing Hardscrabble

Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

**Rice Creek Elementary School**
Site Analysis



Remove portable and expand car loop

Potential gym expansion; wetlands conflict

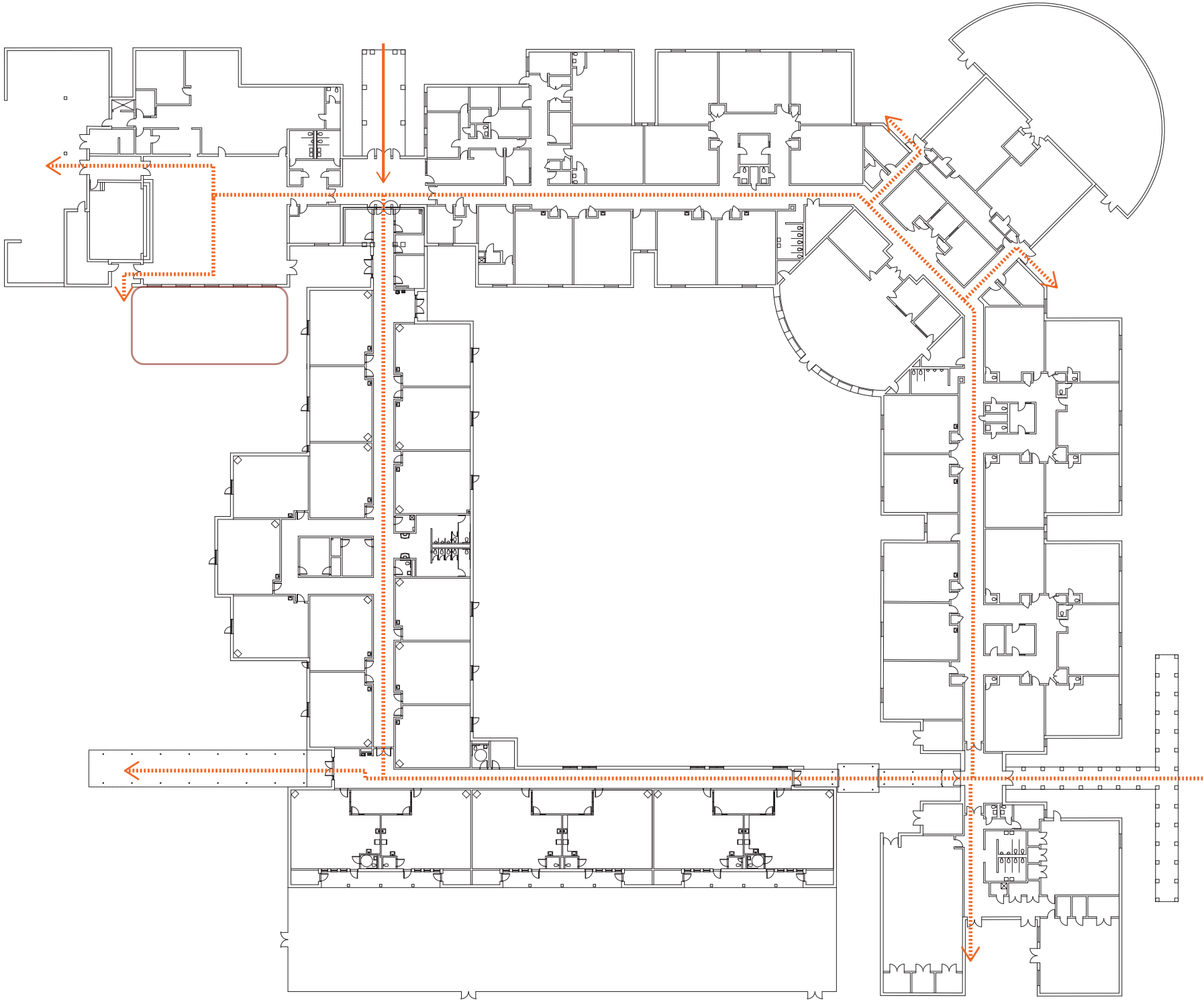
Traffic backs up on to Hardscrabble.

Pedestrian hazard crossing Hardscrabble; consider adding crosswalk when road is improved.

Legend

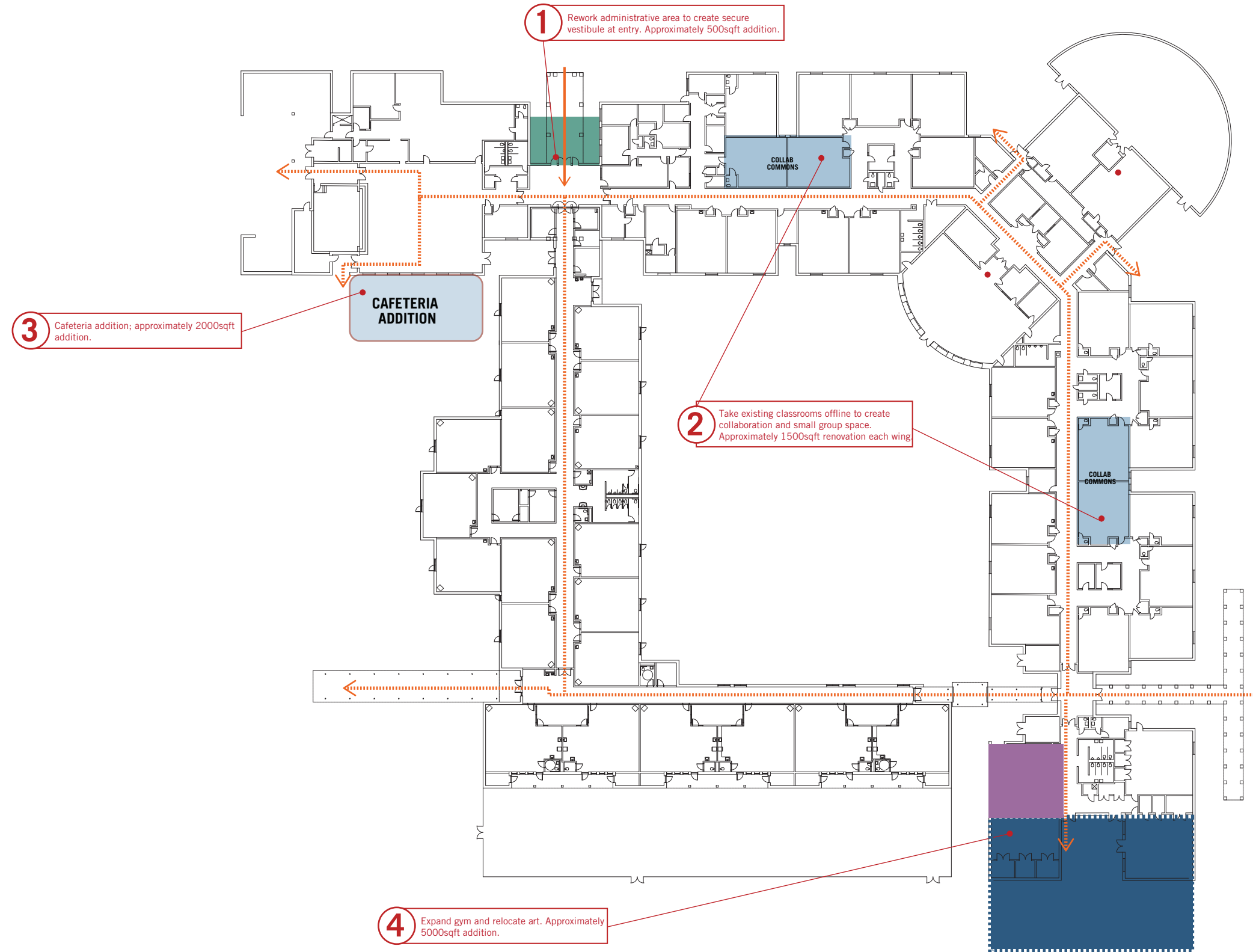
Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

Rice Creek Elementary School
Proposed Site



Rice Creek Elementary School
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



**Richland School District Two
Rice Creek Elementary School**
Proposed Master Plan Diagram

Capacity:	757
Current Enrollment:	744
Proposed Capacity Reduction:	88

2.18

Round Top Elementary School



BACKGROUND INFORMATION:

Address: 449 Rimer Pond Road, Blythewood, SC 29016

Principal: Jeaneen M. Tucker

Built: 2003; Addition 2011

Capacity: 700

Current Enrollment: 563

KEY STRENGTHS:

- Building is comparatively new and in good condition
- General academic and core spaces are mostly in line with the ideal program.

KEY CHALLENGES:

- Traffic, car loop, site circulation
- Grade-level community spaces
- Small flex spaces / small group spaces

PROGRAM DEFICIENCIES










- NA

RECOMMENDATION: OPTION 1: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS; OPTION 2: PROVIDE RENOVATIONS PLUS AN ADDITION TO MAINTAIN CAPACITY.



ROUND TOP ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Round Top
Existing Site












Kindergarten playground is not ADA accessible.

Site does not provide enough parking or queueing

Curb cuts are not optimally located for accessibility

Concern for pedestrians crossing Rimer Pond Rd.

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Round Top Elementary School
Site Analysis



Potential classroom additions

Potential purchase of adjacent property to improve stacking.

Relocate play equipment to accommodate addition.










Add provisions for accessibility at kindergarten playground

Expand parking and provide additional queueing

Provide additional curb cuts for accessibility

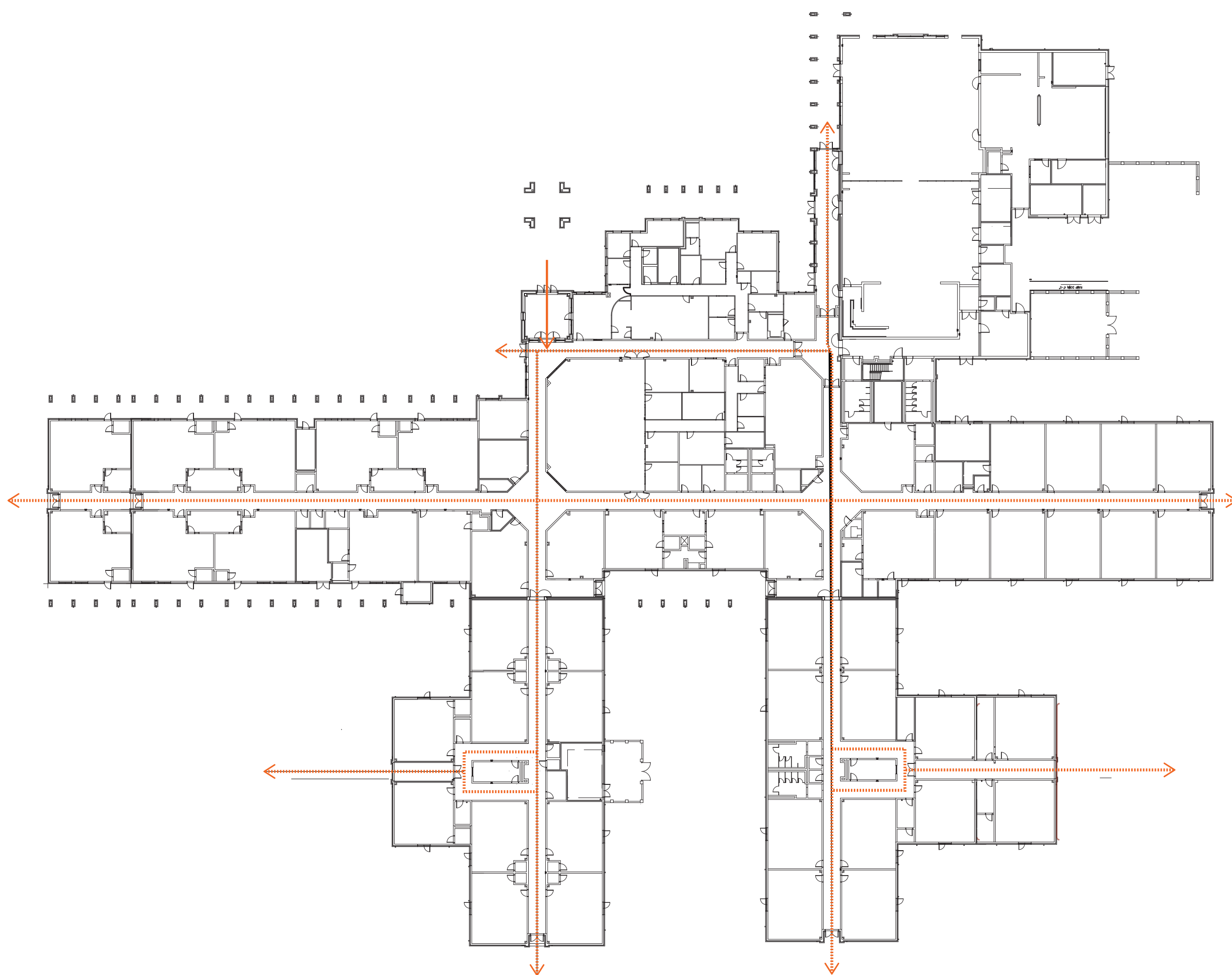
Provide crosswalks and internal sidewalks for walkers.

Legend

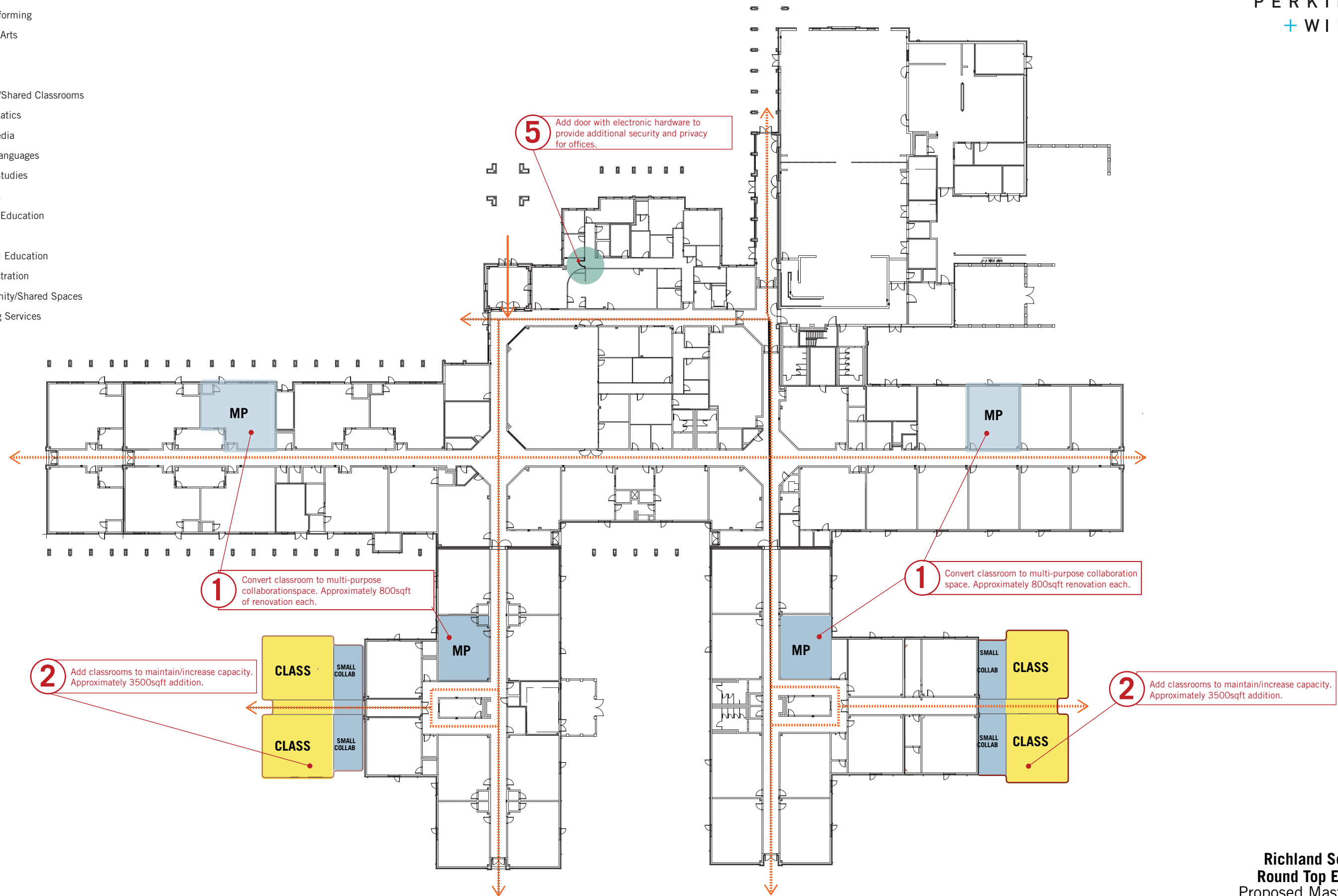
- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Round Top Elementary School
Proposed Site



- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Richland School District Two
Round Top Elementary School
Proposed Master Plan Diagram

Capacity: 700
Current Enrollment: 563
Proposed Capacity Reduction: 0

2.19

Sandlapper Elementary School



BACKGROUND INFORMATION:

Address: 1001 Longtown Road, Columbia, SC 29229

Principal: Connie May

Built: 2006

Capacity: 666

Current Enrollment: 661

KEY STRENGTHS:

- Building is comparatively new and in good condition
- General academic and core spaces are mostly in line with the ideal program.

KEY CHALLENGES:

- Grade-level community spaces
- Small flex spaces / small group spaces

PROGRAM DEFICIENCIES






- NA

RECOMMENDATION: OPTION 1: REDUCE CAPACITY AND PROVIDE MODEST RENOVATIONS; OPTION 2: PROVIDE RENOVATIONS PLUS AN ADDITION TO MAINTAIN CAPACITY.



SANDLAPPER ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Sandlapper Elementary School
Existing Site



SANDLAPPER ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



Sandlapper Elementary School
Site Analysis



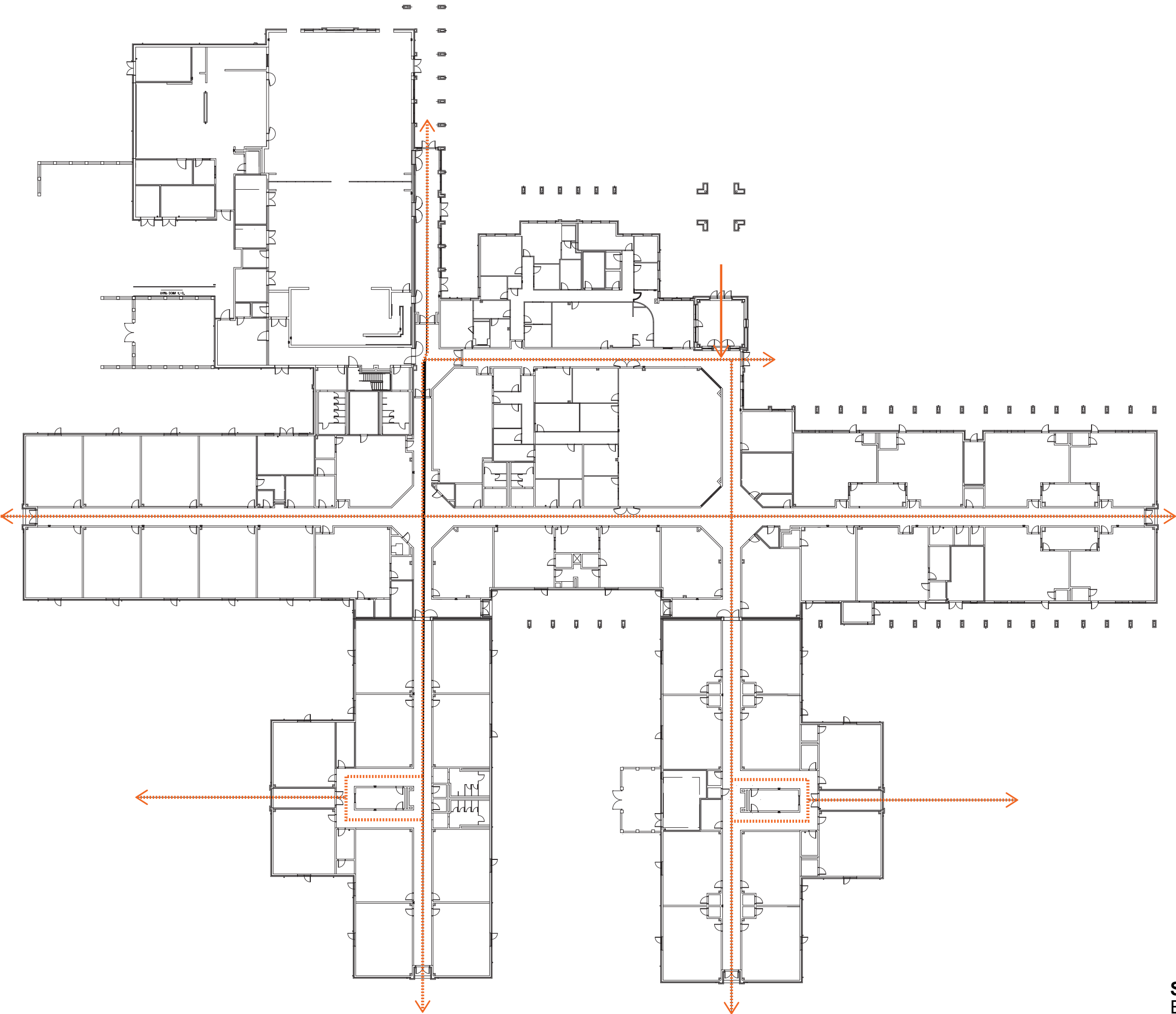
Potential
classroom
additions

SANDLAPPER ELEMENTARY SCHOOL

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

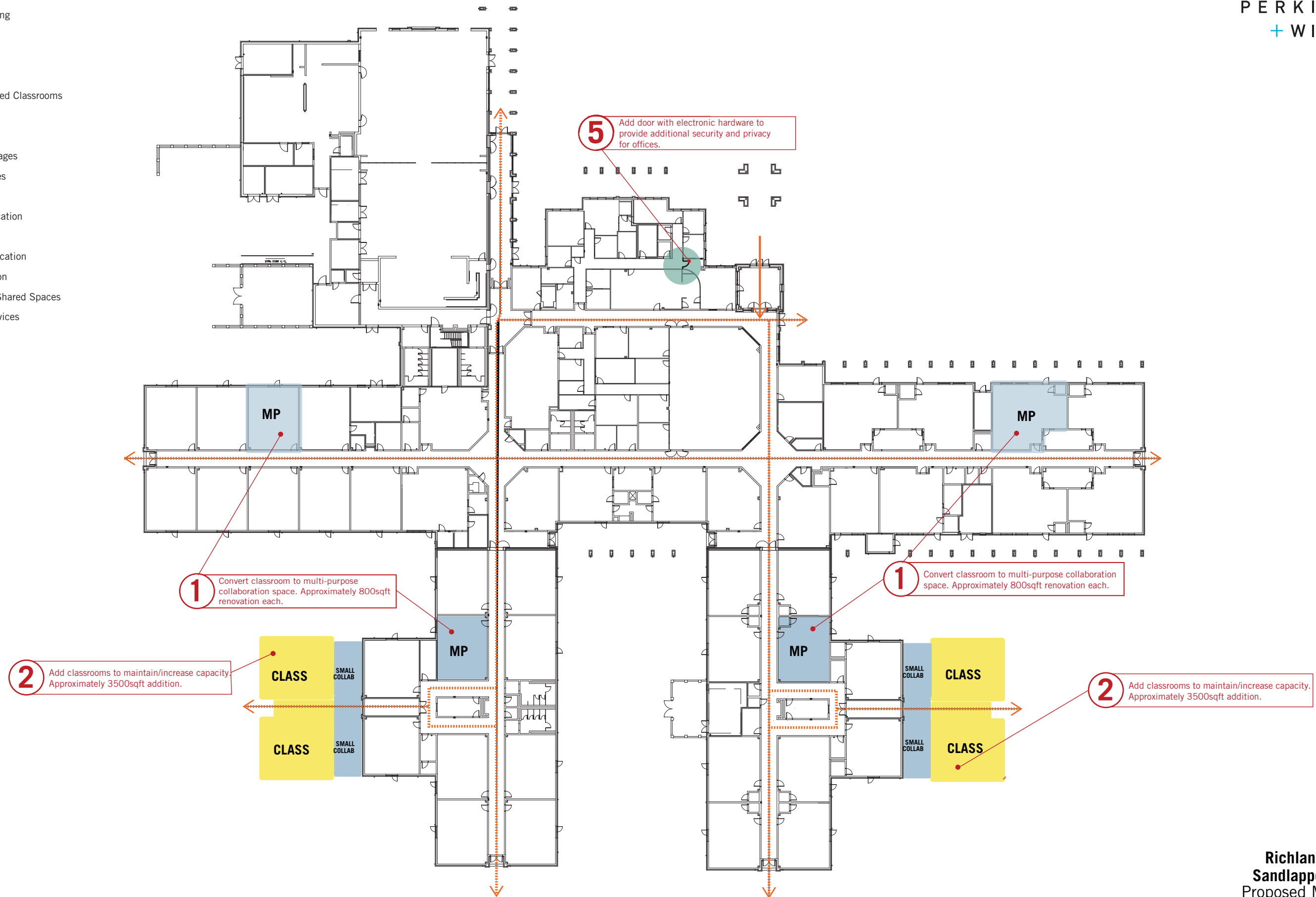
Sandlapper Elementary School
Proposed Site



Sandlapper Elementary School
Existing Plan Diagram



- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Richland School District Two
Sandlapper Elementary School
Proposed Master Plan Diagram

Capacity: 666
Current Enrollment: 661
Proposed Capacity Reduction: 0

2.20

Windsor Elementary School



BACKGROUND INFORMATION:

Address: 9800 Dunbarton Drive, Columbia SC 29223

Principal: Beth Elliot

Built: 1966; Addition: 1989; Addition: 2001; Addition (cafeteria): 2008

Capacity: 762

Current Enrollment: 620

KEY STRENGTHS:

- Academic spaces are adequately sized
- Site has room for expansion

KEY CHALLENGES:

- Need more small rooms for small-group and flex space
- Special Ed
- Collaboration Space

PROGRAM DEFICIENCIES


- Gym (2,300sf+/-)
- Art (1,000sf+/-)

RECOMMENDATION: PROVIDE RENOVATIONS PLUS AN ADDITION TO MAINTAIN CAPACITY.



WINDSOR
ELEMENTARY SCHOOL

Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |





Windsor Elementary School
Existing Site




ADA access from parking to building is not direct.

Speical Ed. dismissal

Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

 **Windsor Elementary School**
Site Analysis



Assess and improve
ADA access.



Special Ed. dismissal.

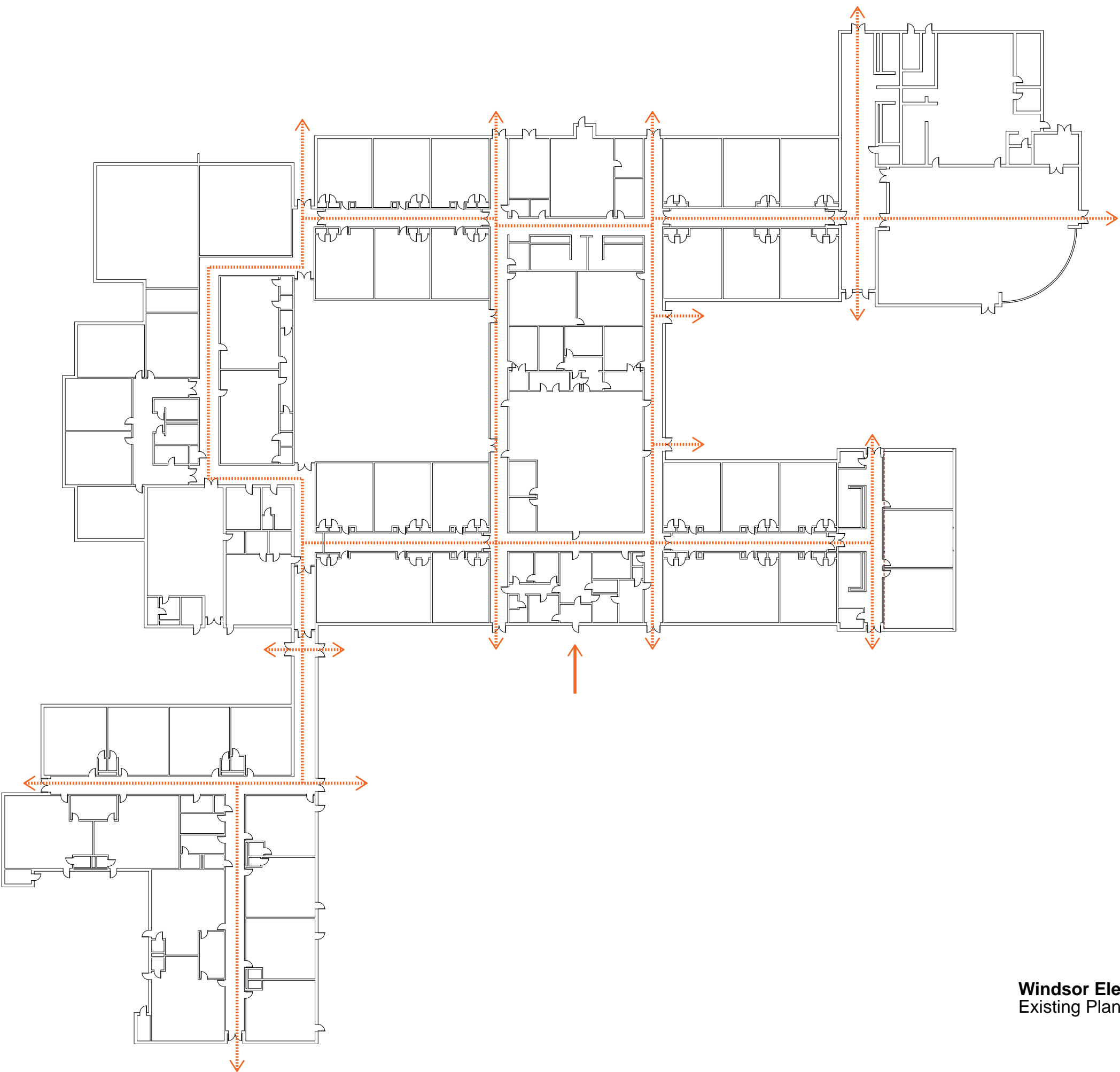


Potential classroom
addition; rework sidewalk

Legend

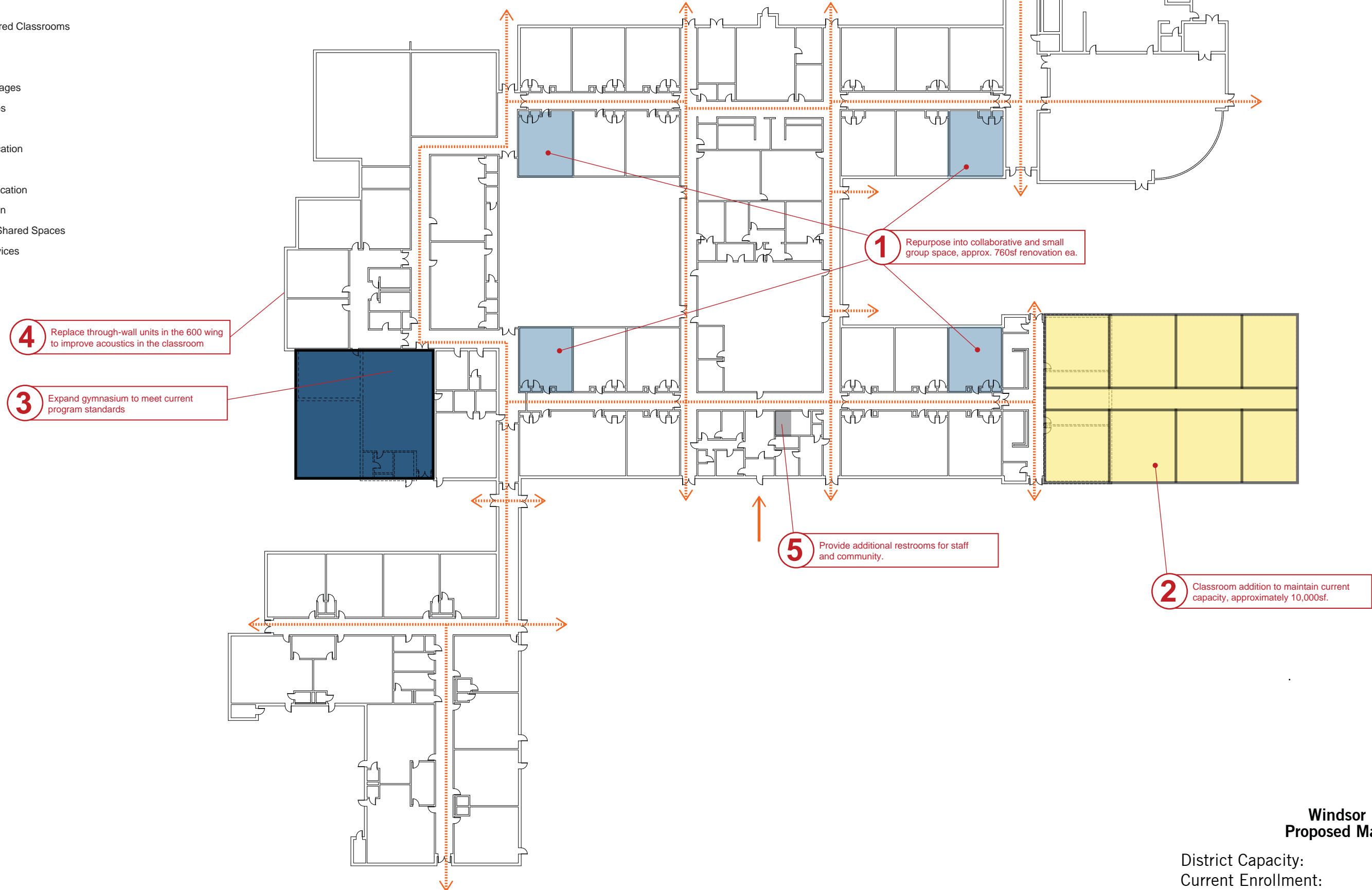
Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

Windsor Elementary School
Proposed Site



Windsor Elementary School
Existing Plan Diagram

- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services



Windsor Elementary School
Proposed Master Plan Diagram

District Capacity:	762
Current Enrollment:	620
Proposed Capacity Reduction	0

3.0

Middle Schools



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EXECUTIVE SUMMARY:

Middle Schools

- The middle school sites are generally well maintained. There is good site circulation and parking is adequate.
- The athletic fields would benefit from program enhancements. There is a need for exterior athletic storage as well as toilets and concessions.
- Capacity reductions are recommended to create new program spaces in alignment with enrollment trends.
- To support contemporary teaching practices, more flexibility is needed in both the architecture and furnishings. There is a need to create commons spaces and collaborative , flexible areas. These would enhance operational flexibility. The current furniture choices limit flexibility. More flexible furniture selections would increase adaptability and collaboration opportunities.
- As a next step, a discussion about safety and security on all campuses is recommended.
- The middle school campuses have addressed capacity issues in the lunchroom by scheduling multiple lunch periods (up to 6).
- There is a need for space for support staff.
- There is a desire for Maker spaces and/or green screen rooms.
- At many campuses, the window treatments are integral blinds.
- There is limited outdoor classroom space. In the outdoor learning spaces, utilization would be improved with the addition of shade protection and outdoor furniture.

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Middle School Model Progam

Richland School District 2

June 26, 2017, Edited February 14, 2018



Programmed Areas

1050 planned students, grades 6-8 1300 core capacity	CAPACITY students	NET SQUARE FEET total	GROSSING factor	GROSS SQUARE FEET total
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A. Area Summary

1. Total area	130,355 nsf	1.45	189,015 gsf
---------------	-------------	------	-------------

B. Capacity Summary

1. Teaching Stations	53	1,275 students	1280.49	-5.49
2. Utilization Factor	82%			
3. Effective Student Capacity		1,046 students	1050	

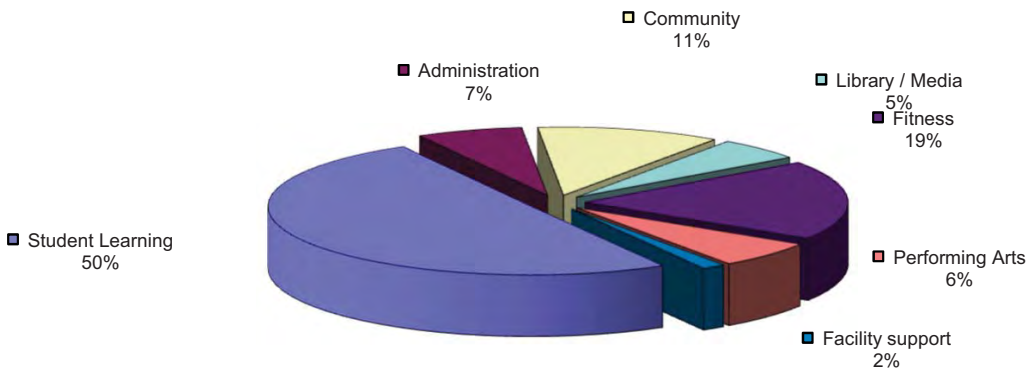
Area Analysis

1. Square feet per student: Planned	1,050 students	166 gsf
2. Square feet per student: Actual	1,046 students	181 gsf

D. Area Comparison

1. Student Learning	50%	65,490 nsf	94,961 gsf
2. Administration	7%	8,505 nsf	12,332 gsf
3. Community	11%	14,770 nsf	21,417 gsf
4. Library / Media	5%	6,900 nsf	10,005 gsf
5. Fitness	19%	24,620 nsf	35,699 gsf
6. Performing Arts	6%	8,190 nsf	11,876 gsf
7. Facility support	1%	1,880 nsf	2,726 gsf
Total GSF	100%	130,355 nsf	189,015 gsf

E. Area Chart



Columbia, South Carolina



Actual Areas (Muller Road Middle School)

1050 planned students, grades 6-8 1300 core capacity	CAPACITY students	NET SQUARE FEET total	GROSSING factor	ACTUAL GROSS SQUARE FEET total	ACTUAL GROSS SQUARE FEET total	ACTUAL APPROX. GROSS SQUARE FEET total
---	----------------------	--------------------------	--------------------	--------------------------------------	--------------------------------------	--

A. Area Summary

1. Total area	122,107 nsf	1.43	174,300 gsf
---------------	-------------	------	-------------

B. Capacity Summary

1. Teaching Stations	57	1,337 students	1280.49	56.51
2. Utilization Factor	82%			
3. Effective Student Capacity		1,096 students	1050	

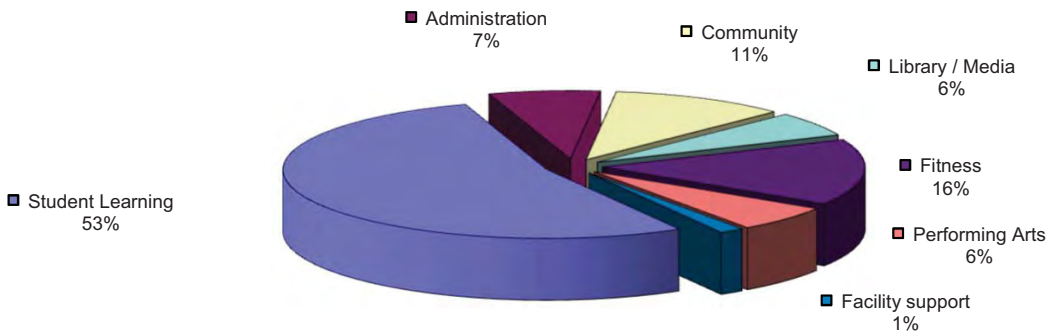
Area Analysis

1. Square feet per student: Planned	1,050 students	166 gsf
2. Square feet per student: Actual	1,096 students	159 gsf

D. Area Comparison

1. Student Learning	53%	65,120 nsf	92,955 gsf
2. Administration	7%	8,349 nsf	11,918 gsf
3. Community	11%	13,230 nsf	18,885 gsf
4. Library / Media	6%	7,045 nsf	10,056 gsf
5. Fitness	16%	19,069 nsf	27,220 gsf
6. Performing Arts	6%	7,453 nsf	10,639 gsf
7. Facility support	2%	1,841 nsf	2,628 gsf
Total GSF	100%	122,107 nsf	174,300 gsf

E. Area Chart



Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



PERKINS

+ WILL

SPACE DESCRIPTION		Programmed Area						NOTES	Actual Area (Muller Road MS)						NOTES
1050	planned students, grades 6-8	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
1300	core capacity	teaching	total	each	total	each	total		teaching	total	each	total	each	total	

1 STUDENT LEARNING SPACES

		Student capacity per typical CR =						25	Student capacity per typical CR :						25
A.	Academic Areas	3 grade level teams													
1.	6th grade general classroom	11	11	25	275	800	8,800	air one classroom with science via movable wall	11	11	25	275	804	8,844	
2.	6th grade flex classroom	-	2	-	-	975	1,950		-	2	-	-	971	1,942	
3.	6th grade collaboration commons	-	1	-	-	1,100	1,100		-	1	-	-	1,087	1,087	
4.	7th grade general classroom	11	11	25	275	800	8,800		11	11	25	275	809	8,899	
5.	7th grade flex classroom	-	2	-	-	975	1,950		-	2	-	-	971	1,942	
6.	7th grade collaboration commons	-	1	-	-	1,100	1,100		-	1	-	-	1,087	1,087	
7.	8th grade general classroom	11	11	25	275	800	8,800		11	11	25	275	804	8,844	
8.	8th grade flex classroom	-	2	-	-	975	1,950		-	2	-	-	971	1,942	
9.	8th grade collaboration commons	-	1	-	-	1,100	1,100		-	1	-	-	1,087	1,087	
10.	Resource Room	-	3	-	-	800	2,400		-	3	-	-	585	1,755	
11.	ESOL	1	1	25	25	800	800		1	1	25	25	803	803	
12.	Small group rooms		6	-	-	150	900			6	-	-	150	900	
13.	Student Lockers		-			-	-			6			105	630	
14.	Gender neutral toilets		6			300	1,800			6			378	2,268	
Sub-Total:		34			850		41,450		34			850		42,030	
B.	Professional Areas														
1.	Planning / workroom		3		-	1,000	3,000	up to 20 teachers per grade		3		-	459	1,377	professional library
2.	Storage		3		-	150	450			4		-	117	468	
3.	Toilet		6		-	50	300			4		-	72	288	
Sub-Total:							3,750							2,133	
C.	Science and Technology														
1.	6th grade science / project lab	3	3	25	75	1,200	3,600		3	3	25	75	1,207	3,621	
2.	Prep / storage			1		200	200				2		129	258	
3.	7th grade science / project lab	3	3	25	75	1,200	3,600		3	3	25	75	1,201	3,603	
4.	Prep / storage			1		200	200				2		129	258	
5.	8th grade science / project lab	3	3	25	75	1,200	3,600		3	3	25	75	1,201	3,603	
6.	Prep / storage			1		200	200				2		129	258	
7.	Technology Lab / Maker space / Fab L	-	3	-	-	950	2,850		3	3	25	75	936	2,808	
Sub-Total:		9			225		14,250		12			300		14,409	

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



PERKINS
+ WILL

SPACE DESCRIPTION		Programmed Area						NOTES	Actual Area (Muller Road MS)						NOTES
1050	planned students, grades 6-8	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
1300	core capacity	teaching	total	each	total	each	total		teaching	total	each	total	each	total	
D. Practical Arts								near art							
1.	Teams / multi-purpose	-	-	-	-	-	-	plumbing/utilities	1	1	25	25	1,396	1,396	
2.	Storage		-		-	-	-			1		-	104	104	
3.	Outdoor work area														
	Sub-Total:	-			-		-		1		25		1,500		
E. Special Education								inclusive model							
1.	BSP classroom	1	1	10	10	850	850		1	1	10	10	857	857	
2.	Time out		-		-	-	-			1		-	61	61	
3.	Moderate disability classroom	1	1	10	10	1,200	1,200		1	1	10	10	1,182	1,182	
4.	Toilet/Shower		1		-	150	150	changing table, share		1		-	95	95	
5.	Special education classroom	2	2	10	20	800	1,600	(multi-categorical)	1	1	10	10	802	802	
.		-	-	-	-	-	-		1	1	10	10	802	802	
6.	Speech		1	-	-	200	200			1	-	-	120	120	
7.	OT/PT		1	-	-	400	400	itinerant space and therapy room		-	-	-	-	-	
8.	Storage	-	1	-	-	200	200		-	-	-	-	-	-	
9.	LIS Classroom	1	1	10	10	1,100	1,100		1	1	10	10	1,129	1,129	
10.	Toilet/Shower		1	-	-	220	220	(see Jackson Creek)	-	-	-	-	-	-	
11.	Sensory room		1	-	-	120	120		-	-	-	-	-	-	
	Sub-Total:	5			50		6,040		5		50		5,048		
Total student learning spaces:		48			1,125		65,490		52		1,225		65,120		

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		Programmed Area				NOTES		Actual Area (Muller Road MS)				NOTES	
1050	planned students, grades 6-8	SPACES		STUDENTS		NET SQUARE FEET		SPACES		STUDENTS		NET SQUARE FEET	
1300	core capacity	teaching	total	each	total	each	total	teaching	total	each	total	each	total

2 ADMINISTRATION AND STAFF SPACES

A. Central Administrative Suite

1.	Waiting and reception area	1	-	500	500			1	-	494	494		
2.	Reception / attendance	-	-	-	-		moved to guidance	-	-	-	-		
3.	Secretarial office / work area	1	-	150	150			1	-	145	145		
4.	Principal's office	1	-	300	300			1	-	259	259		
5.	Toilet	1	-	50	50			2	-	55	110		
6.	Principal's closet	1	-	25	25			1	-	16	16		
7.	Bookkeeper's office	1	-	150	150			1	-	150	150		
8.	Bookkeeper's closet	1	-	25	25			1	-	13	13		
9.	Itinerant office	2	-	120	240			1	-	150	150		
11.	Resource officer	1	-	140	140			1	-	121	121		
12.	Supply storage	1	-	200	200			1	-	201	201		
13.	Teacher workroom / vending	1	-	300	300		incl. mailboxes	1	-	302	302		
14.	Recycling	1	-	75	75			1	-	74	74		
15.	Conference room	1	-	250	250			1	-	261	261		
16.	Wellness/ quiet room	1	-	80	80			-	-	-	-		
17.	Toilet	2	-	50	100		close to reception	2	-	55	110		
Sub-Total:			-		2,585				-		2,406		

B Counseling

1.	Counseling office / small group	1	-	120	120			3	-	130	390		
2.	Attendance	1	-	150	150			1	-	151	151		
3.	Guidance Secretary/Recep	1	-	350	350			1	-	340	340		
4.	Career Development	2	-	150	300			2	-	128	256		
5.	Social Worker Office	1	-	150	150			1	-	150	150		
6.	Social Worker Storage	1	-	150	150			-	-	-	-		
7.	Psychologist office	1	-	200	200			1	-	321	321		
8.	Conference / small group room	2	-	200	400			2	-	206	412		
9.	Vault	1	-	100	100			1	-	208	208		
10.	Curriculum Resource Room	1	-	140	140		or located in media center, near test stor	1	-	121	121		
11.	Test storage room	1	-	250	250			1	-	237	237		
12.	Supply storage	1	-	100	100			-	-	-	-		
13.	Toilet	1	-	50	50			1	-	58	58		
Sub-Total:			-		2,460				-		2,644		

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		Programmed Area				NOTES	Actual Area (Muller Road MS)				NOTES		
1050 1300	planned students, grades 6-8 core capacity	SPACES teaching total		STUDENTS each total			NET SQUARE FEET each total		NET SQUARE FEET each total				
C Clinic													
1.	Clinic		1		-	280	280		1		-	279	279
2.	Cot area		2		-	90	180		2		-	92	184
3.	Toilet		1		-	60	60		1		-	61	61
4.	Nurse's office		1		-	110	110		1		-	107	107
5.	Storage		1		-	20	20		1		-	20	20
Sub-Total:				-		650				-		651	
D Distributed Administrative Suites													
1.	Assistant principal's office		3		-	140	420	1 per team	3		-	120	360
2.	Observation / office		-		-	-	-		-		-	-	-
3.	Discipline Secretary		1		-	140	140		1		-	120	120
4.	Counselor's office		3		-	150	450	per grade level	3		-	130	390
5.	Speech		-		-	-	-	see special ed	-		-	-	-
6.	Resource		-		-	-	-	see special ed	-		-	-	-
7.	Floater office		3		-	140	420	1 per team	3		-	121	363
8.	Curriculum Resource Room		-		-	-	-		1		-	121	121
9.	Conference room		1		-	500	500		1		-	478	478
10.	Lead Teacher Office		2		-	140	280		2		-	120	240
11.	Shared Itinerant Office		1		-	600	600		1		-	576	576
12.	Workroom		-		-	-	-		-		-	-	-
13.	Storage		-		-	-	-		-		-	-	-
Sub-Total:				-		2,810				-		2,648	
Total admin. and staff spaces:				-		8,505				-		8,349	

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



PERKINS

+ WILL

SPACE DESCRIPTION		Programmed Area					NOTES	Actual Area (Muller Road MS)					NOTES		
1050	planned students, grades 6-8	SPACES		STUDENTS		NET SQUARE FEET		SPACES		STUDENTS		NET SQUARE FEET			
1300	core capacity	teaching	total	each	total	each	total	teaching	total	each	total	each	total		
3 COMMUNITY AND STAKEHOLDER SPACES															
A. Cafeteria															
1.	Commons cafeteria / multi-purpose room	1		-		8,000	8,000			1		-	6,225	6,225	includes retractable seating below
2.	Canteen	-		-		-	-			-		-	-	-	removed from program
3.	Student store	-		-		-	-			-		-	-	-	removed from program
4.	Chair storage	1		-		500	500	store chairs/portable stage portable stage		1		-	494	494	
5.	Platform	-				-	-			-			-	-	-
6.	Retractable seating	1				250	250		1			-	-	-	included in commons sf above
7.	Outdoor dining / performance / community	-				-	-		-			-	-	-	
Sub-Total:				-			8,750					-		6,719	
B. Lobby and Community															
1.	Lobby		1		-	2,000	2,000			1		-	1,956	1,956	area not in original program
2.	Vestibule		-			-	-			1			588	588	area not in original program
3.	Public / student toilets		2			300	600			2			378	756	
4.	Gender neutral / family toilets		2			60	120			-			-	-	
5.	Multi-purpose room	-	1		-	1,200	1,200	up to 100 people, close to main entry				-	-	-	
6.	Kitchenette		1		-	25	25			-		-	-	-	
7.	Storage		1		-	50	50			-		-	-	-	
8.	Outdoor dining / performance / community		-			-	-			-		-	-	-	
Sub-Total:				-			2,720					-		3,300	
C. Kitchen															
1.	Kitchen & serving		-		-	-	-			1		-	3,211	3,211	area to be div. by food service consultant
a.	Kitchen		1		-	1,300	1,300			1		-	-	-	
b.	Serving		1		-	1,000	1,000			1		-	-	-	
c.	Dish room		1		-	150	150			1		-	-	-	
d.	Dry storage		1		-	300	300			1		-	-	-	
e.	Cooler		1		-	150	150			1		-	-	-	
f.	Freezer		1		-	150	150			1		-	-	-	
g.	Office		1		-	100	100			1		-	-	-	
h.	Toilet		1		-	50	50			1		-	-	-	
	Chemical Storage / Wash/Dry		1		-	100	100			1		-	-	-	
Sub-Total:							3,300							3,211	
Total community spaces:			-		-		14,770			-		-		13,230	

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		Programmed Area				NOTES	Actual Area (Muller Road MS)				NOTES			
1050 1300	planned students, grades 6-8 core capacity	SPACES		STUDENTS			NET SQUARE FEET		SPACES			STUDENTS		NET SQUARE FEET
		teaching	total	each	total	each	total		teaching	total	each	total	each	total
4 MEDIA CENTER SPACES														
A.	Library / Media Center													
1.	Reading room		1		-	3,000	3,000	flexible furniture		1		-	4,210	4,210
2.	Makerspace (dirty)		1		-	800	800			-		-	-	-
3.	Design and Experimentation Studio (clean)		-		-	-	-	see art		-		-	-	-
4.	"Me" space		4		-	50	200			-		-	-	-
5.	Collaboration space		1		-	800	800	25-30 person room		-		-	-	-
6.	Office		1		-	150	150			1		-	137	137
7.	Supply storage		-		-	-	-			1		-	193	193
8.	Display (2D/3D/digital)													
	Sub-Total:		-		-		4,950			-		-		4,540
B.	Professional area													
1.	Journalism work / storage area		1		-	300	300			1		-	266	266
2.	Small group / conference		1		-	150	150			1		-	134	134
3.	ITS Office		1		-	150	150			1		-	143	143
4.	Studio		1		-	800	800			1		-	485	485
5.	Control room		1		-	150	150			1		-	485	485
6.	Copy room		1		-	50	50			1		-	227	225
7.	Resource center / faculty workroom		-		-	-	-			1		-	375	375
8.	Toilet		1		-	50	50			-		-	-	-
	Sub-Total:				-		1,650					-		2,113
C.	Media Technology													
1.	Central media storage		1		-	100	100			1		-	202	202
2.	Head-in room / MDF		1		-	200	200	centrally located		1		-	190	190
	Sub-Total:				-		300					-		392
Total media center spaces:			-		-		6,900			-		-		7,045

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



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SPACE DESCRIPTION		Programmed Area				NOTES		Actual Area (Muller Road MS)						NOTES	
1050	planned students, grades 6-8	SPACES		STUDENTS		NET SQUARE FEET		SPACES		STUDENTS		NET SQUARE FEET			
1300	core capacity	teaching	total	each	total	each	total	teaching	total	each	total	each	total		

6 FITNESS AND WELLNESS SPACES

A. Gymnasiums

1100 bleachers plus floor seating to meet core capacity

1.	Gymnasium	-	1	-	-	11,100	11,100	like the Westwood model (top-loaded)	-	1	-	-	11,071	11,071	
2.	P.E. equipment storage		1		-	1,100	1,100	cages to divide storage		1		-	1,075	1,075	all stor. combined into one room
3.	Athletic equipment storage	-			-	-	-		-		-	-	-	-	all stor. combined into one room
4.	Storage room	-			-	-	-		-		-	-	-	-	all stor. combined into one room
5.	Public toilets (share with café)		2		-	350	700			2		-	338	676	
Sub-Total:		-			-		12,900		-		-		12,822		

B. Gymnasium support

1.	Lobby		1		-	1,500	1,500			1		-	1,575	1,575	
2.	Concessions/Canteen		1		-	250	250			1		-	284	284	storage included
3.	Concessions storage		1		-	50	50			1		-	-	-	incl in concessions
Sub-Total:					-		1,800					-		1,859	

C. Locker facilities

1.	Lockers : Boys		1		-	800	800			1		-	765	765	
2.	Lockers : Football		2		-	500	1,000			1		-	478	478	
3.	Lockers : Girls		1		-	800	800			1		-	765	765	
4.	Showers / toilets : Boys		1		-	500	500			1		-	454	454	
5.	Showers / toilets : Girls		1		-	500	500			1		-	415	415	
6.	Football lockers	-			-	-	-			-		-	-	-	
7.	Locker room storage	-			-	-	-			-		-	-	-	
8.	Student activities lockers	-			-	-	-	30 lockers							
9.	Gender neutral lockers		2		-	80	160								
Sub-Total:					-		3,760					-		2,877	

D. Offices and support spaces

1.	P.E. office		2		-	125	250			2		-	131	262	
2.	Laundry room		1		-	200	200			1		-	184	184	
3.	P.E. office toilets / shower / lockers		2		-	100	200			2		-	104	208	
Sub-Total:					-		650					-		654	

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



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SPACE DESCRIPTION		Programmed Area					NOTES	Actual Area (Muller Road MS)					NOTES								
1050 1300	planned students, grades 6-8 core capacity	SPACES		STUDENTS		NET SQUARE FEET		SPACES		STUDENTS		NET SQUARE FEET									
		teaching	total	each	total	each	total		teaching	total	each	total	each	total							
E. Fitness and Wellness																					
1.	Fitness room		1		-	1,000	1,000	mezzanine level		-		-		-							
2.	Dance / multi-purpose / health / team r	1	1	25	25	1,000	1,000	mezzanine level		-		-		-							
Sub-Total:																25	2,000		-		-
G In - school suspension																					
1.	In - school suspension		1		-	800	800			1		-	857	857	no toilet						
Sub-Total:																-	800		-		857
H. Exterior Facilities																					
1.	Competition Football/Soccer		1		-	-	-	1000 seats home, 350 visitor		1		-	-	-							
2.	P.E. field		2		-	-	-			2		-	-	-							
3.	Hard surface activity area		1		-	-	-			1		-	-	-							
4.	Hard surface basketball courts		2		-	-	-			3		-	-	-							
5.	Concessions		1		-	200	200	stand alone building near competition field		-		-	-	-							
6.	Toilet rooms		2		-	250	500	stand alone building near competition field		-		-	-	-							
7.	Gender neutral/family toilet		1		-	60	60	stand alone building near competition field		-		-	-	-							
8.	Athletic equipment storage		1		-	500	500	stand alone building near competition field		-		-	-	-							
9.	Staff Parking							see standards							240 to						
10.	Visitor Parking							see standards							240 to						
11.	Parent Queing Length														i						
12.	Buses														i						
Sub-Total:																-	1,260		-		-
I. Fieldhouse																					
1.	Equipment Storage		1			500	500			1		-	1,575	1,575							
2.	Concessions		1			250	250	includes 50 SF storage		1		-	284	284	storage included						
3.	Public Toilets		2			300	600			1		-	-	-	incl in concessions						
4.	Mechanical		1			100	100														
Sub-Total:																	1,450		-		1,859
Total fitness and wellness spaces:		-		25		24,620			-		-		19,069								

Middle School Model Progam

Richland School District 2

June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



PERKINS

+ WILL

SPACE DESCRIPTION		Programmed Area						NOTES	Actual Area (Muller Road MS)						NOTES
1050	planned students, grades 6-8	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
1300	core capacity	teaching	total	each	total	each	total		teaching	total	each	total	each	total	
6 PERFORMING AND VISUAL ART SPACES															
A. Music															
1.	Choral rehearsal room	1	1	25	25	1,200	1,200		1	1	25	25	1,210	1,210	
2.	Choral office / library / storage		-		-	-	-			-		-	-	-	
	a. Office / practice room		1		-	120	120			1		-	100	100	
	b. Practice room		1		-	60	60			1		-	53	53	
	c. Storage		1		-	150	150	music library/equip		1		-	156	156	
	c. Riser Storage		-		-	-	-			-		-	-	-	
3.	Band rehearsal room	1	1	25	25	1,800	1,800	includes some instrument storage	1	1	25	25	1,799	1,799	
4.	Band office / library / repair		-		-	-	-			-		-	-	-	
	a. Office / practice room		1		-	120	120			1		-	94	94	
	b. Practice room		1		-	60	60			1		-	53	53	
5.	Band instrument storage		1		-	500	500			1		-	500	500	
6.	Orchestra rehearsal room	1	1	25	25	1,000	1,000		1	1	25	25	1,045	1,045	
7.	Orchestra office / library / repair		-		-	-	-			-		-	-	-	
	a. Office		1		-	120	120			1		-	94	94	
	b. Practice room		1		-	60	60			1		-	53	53	
8.	Orchestra instrument storage		1		-	250	250			1		-	240	240	
	Sub-Total:	3			75		5,440		3			75		5,397	
B. Art															
1.	Art studio	1	1	25	25	1,250	1,250		1	1	25	25	1,236	1,236	
2.	Digital art	1	1	25	25	1,000	1,000		1	1	12	12	298	298	
3.	Material storage		1		-	200	200			1		-	428	428	
4.	Project storage		1		-	200	200			-		-	-	-	
5.	Kiln room		1		-	100	100			1		-	94	94	
6.	Art office		1		-	-	-			1		-	-	-	
	Sub-Total:	2			50		2,750		2			37		2,056	
Total arts spaces:		5			125		8,190		5			112		7,453	

Middle School Model Progam

Richland School District 2

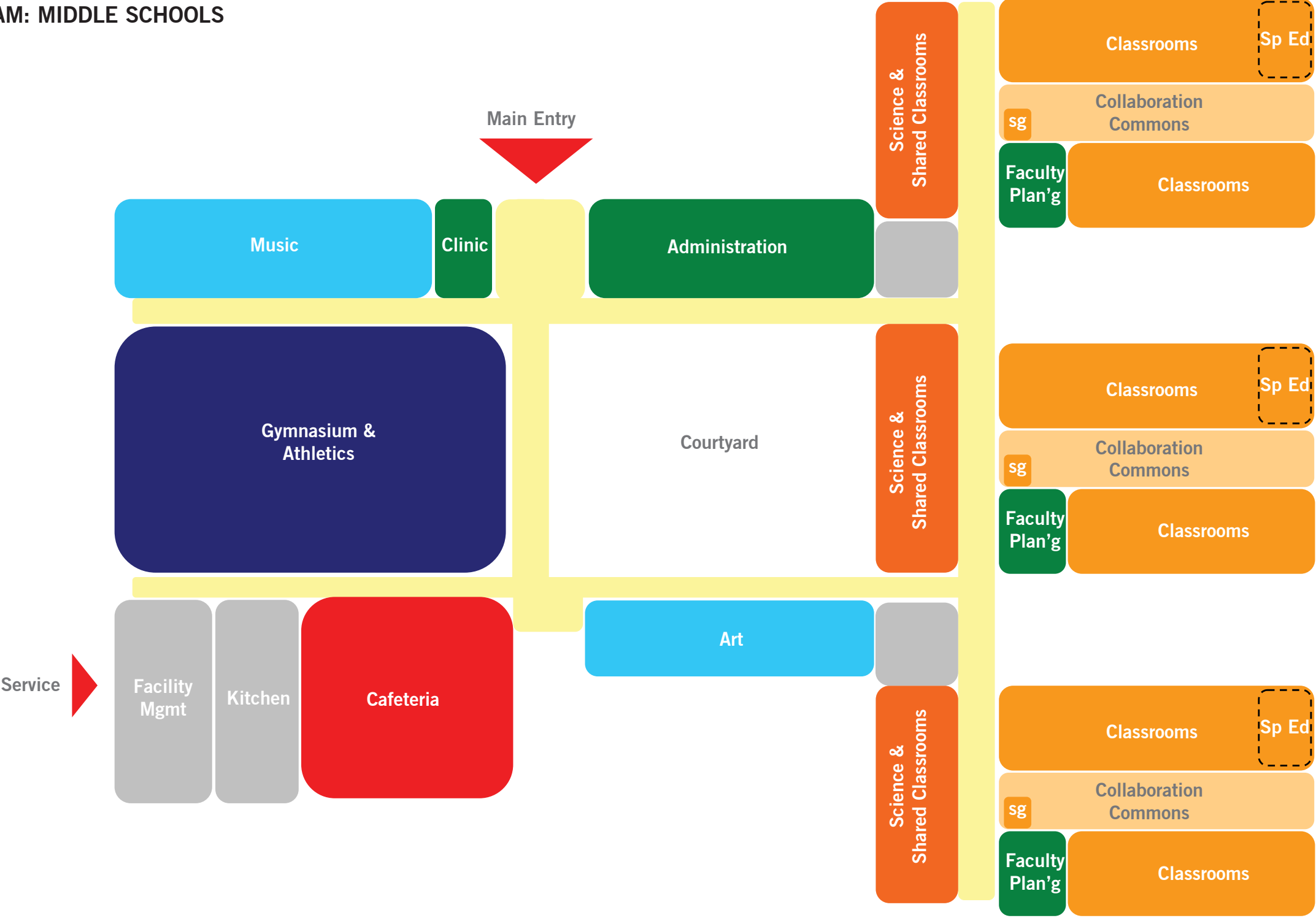
June 26, 2017 Edited February 14, 2018

Columbia, South Carolina



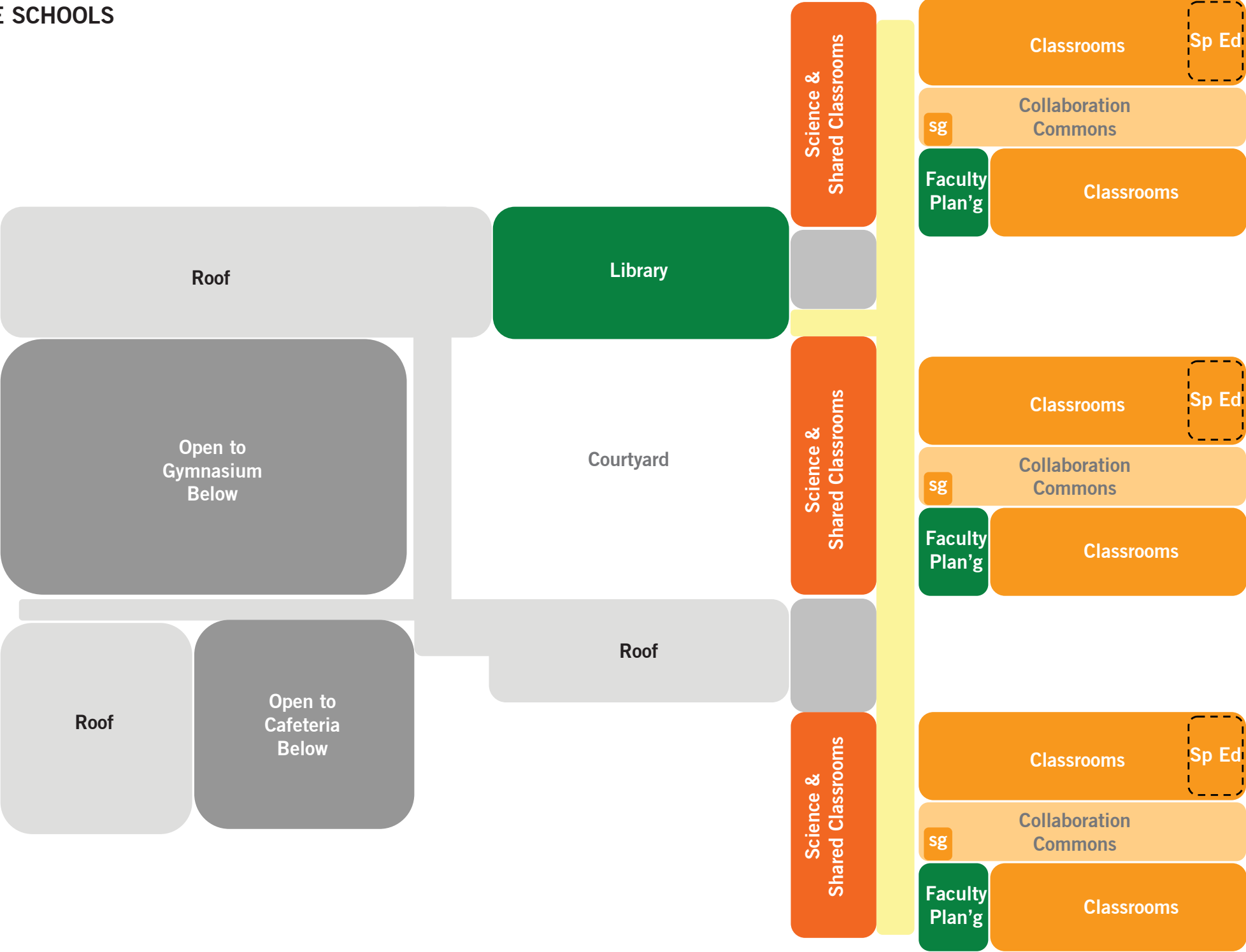
SPACE DESCRIPTION		Programmed Area				NOTES	Actual Area (Muller Road MS)				NOTES			
1050 1300	planned students, grades 6-8 core capacity	SPACES		STUDENTS			NET SQUARE FEET		SPACES			STUDENTS		NET SQUARE FEET
		teaching	total	each	total	each	total		teaching	total	each	total	each	total
7 FACILITY MANAGEMENT AND SUPPORT SPACES														
A. Property Control														
1.	Exterior custodial storage		1			225	225	1 per grade			1		219	219
2.	Book storage		3			275	825				3		267	801
3.	Central receiving / office		1			750	750				1		758	758
4.	Toilet / locker		1			80	80			1		63	63	
5.	General Storage		1			200	200	Attic stock, etc.						
Sub-Total:						1,880							1,841	
B. Mechanical Spaces														
1.	Mechanical Rooms		1			3,000	3,000				7		452	3,164
2.	Chiller Room		1			1,500	1,500				1		1,534	1,534
3.	Main Elec		1			600	600				1		588	588
4.	Demark		1			75	75				1		76	76
5.	Water Heater		1			300	300				1		312	312
6.	Fire Pump		1			300	300				1		281	281
7.	Data		7			80	560				7		71	497
8.	Elec		7			80	560				4		215	860
9.	Custodial Closets		7			60	420				4		69	276
Sub-Total:						7,315							7,588	
Total facility management and support spaces:						1,880							1,841	
TOTAL NSF		53	25	1,275	130,355			57	25	1,337	122,107			

MODEL PROGRAM: MIDDLE SCHOOLS
Level 1



MODEL PROGRAM: MIDDLE SCHOOLS

Level 2



3.2

Blythewood Middle School



BACKGROUND INFORMATION:

Address: 2351 Longtown Road East, Blythewood SC 29016

Principal: Karis Mazyck

Built: 1996; Addition: 2007; Renovation (Media Center): date unknown

Capacity: 1,000

Current Enrollment: 829

KEY STRENGTHS:

- Well organized plan based on middle school teams
- Centrally-located shared programs

KEY CHALLENGES:

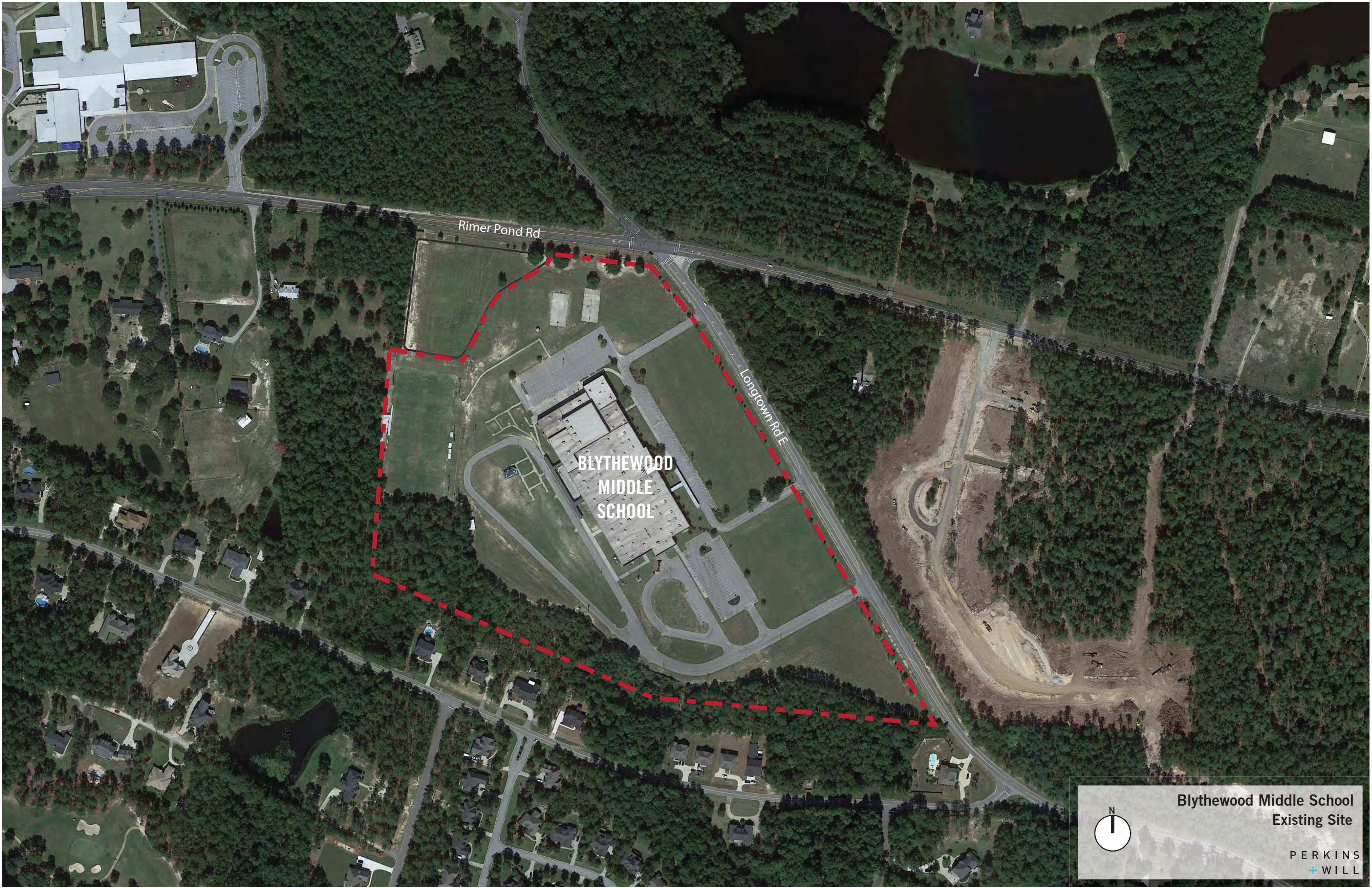
- Limited daylight in many spaces: the interior brick is dark; there is no daylight in art classrooms, special education classrooms
- Brick walls limit display opportunities
- Six lunch periods
- Poor acoustics between classrooms (demountable walls don't extend to the floor deck and provide poor acoustic performance)

PROGRAM DEFICIENCIES

- Lack of flexible collaboration space
- No maker space
- Need for more flexible furniture

RECOMMENDATION: RENOVATION AND TARGETED ADDITIONS

Photo Source: https://www.youtube.com/channel/UCx5yCfqquXeX9Uj16Rde4_Q



Rimer Pond Rd

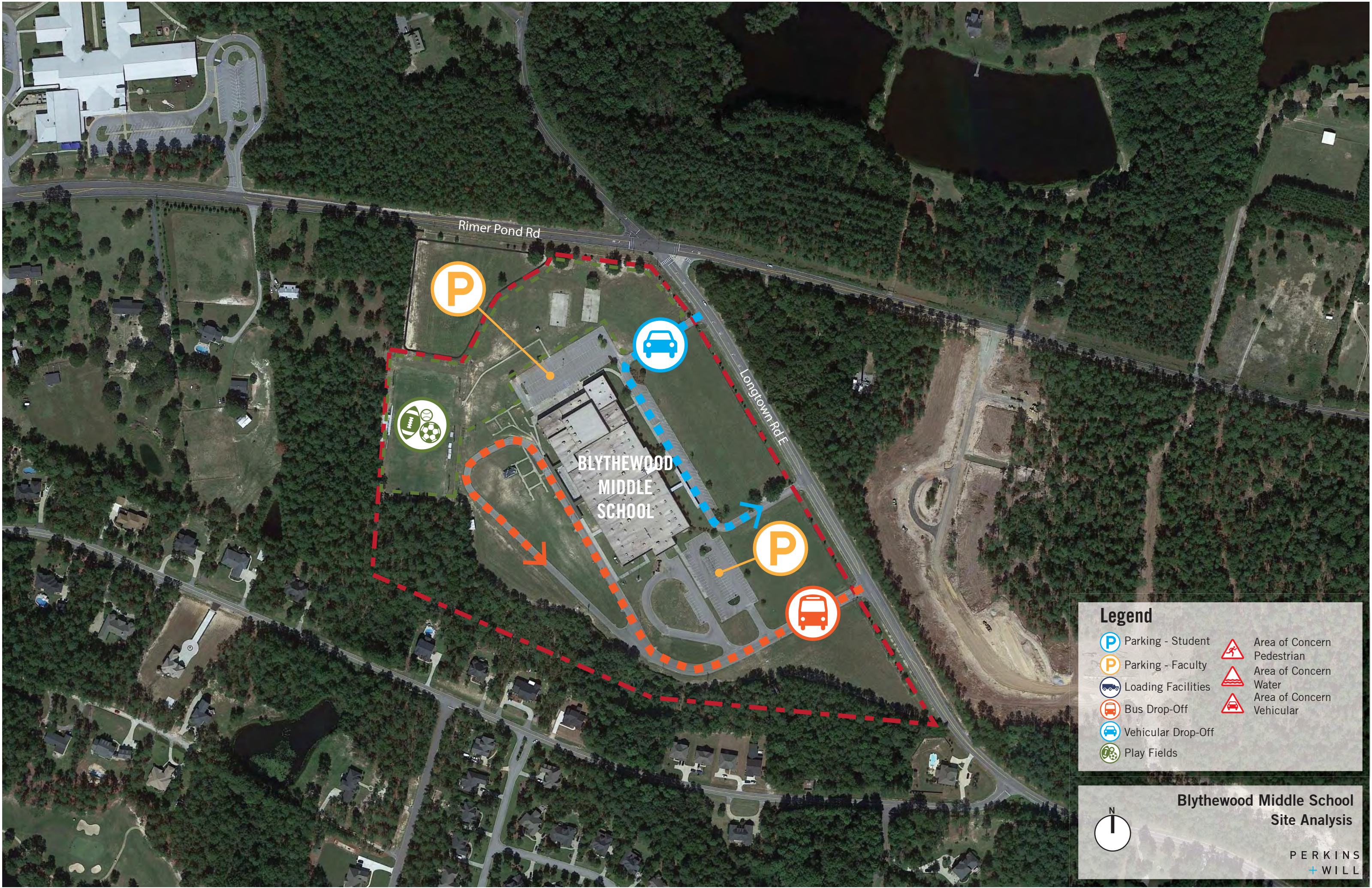
Longtown Rd E

BLYTHEWOOD
MIDDLE
SCHOOL





Blythewood Middle School
Existing Site


PERKINS
+ WILL





Legend


 Parking - Student


 Parking - Faculty


 Loading Facilities


 Bus Drop-Off


 Vehicular Drop-Off

 Play Fields

 Area of Concern Pedestrian

 Area of Concern Water

 Area of Concern Vehicular



**Blythewood Middle School
Site Analysis**










PERKINS
+ WILL



Field House
Addition: 1,600 sf

If addition is built, replace parking if needed

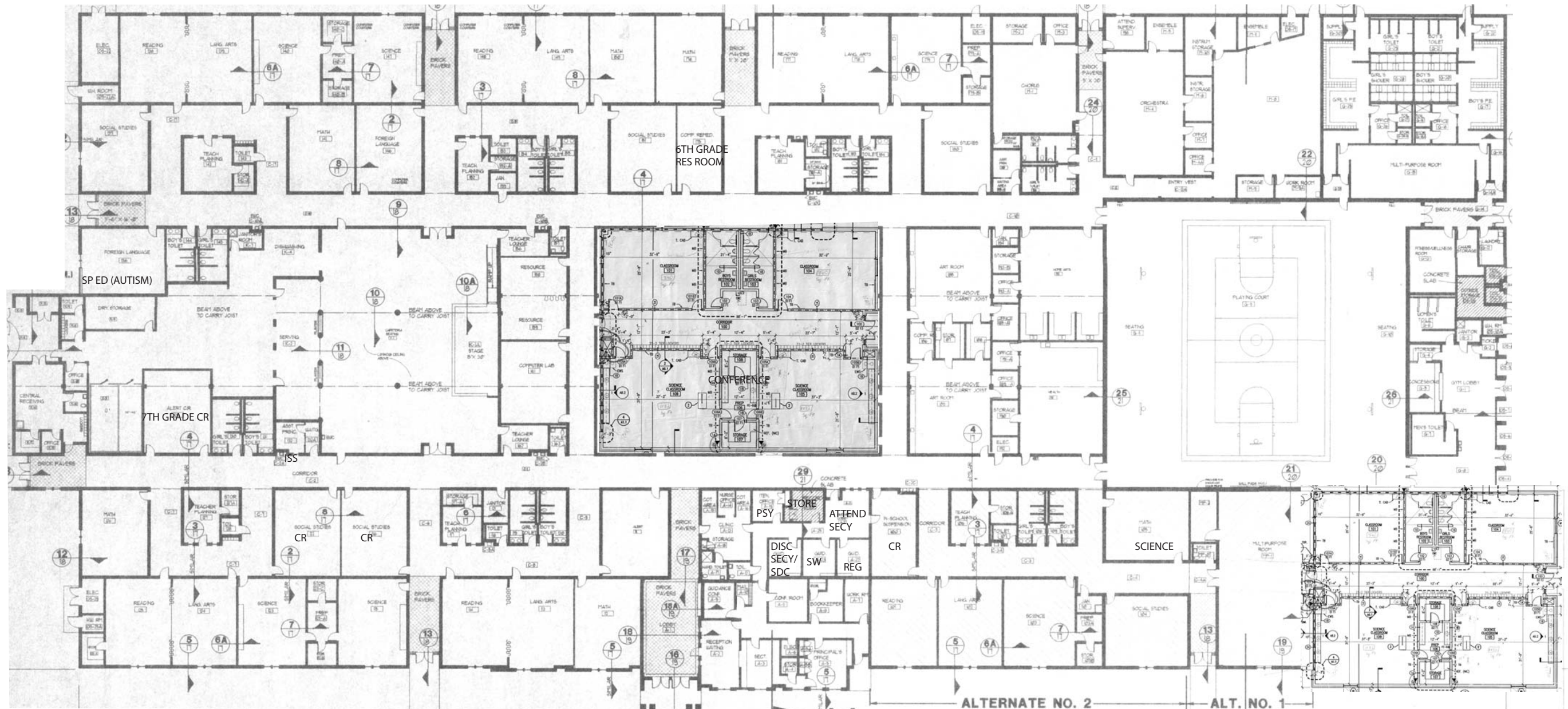
Legend

 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

**Blythewood Middle School
Proposed Site**

 N

PERKINS
+ WILL



Add windows to corridors from classroom ③

Addition to Science Labs
Renovation of Science Labs
Addition: (6)@250 sf, Renovation: (6)@950 sf ①

Create commons with generous skylights
Addition: (4)@700 sf, Renovation: (4)@500 sf ②

Create flex classrooms next to cafe to
allow cafe expansion when needed.
Renovation: 2,000 sf ④

Add windows from classroom to corridor,
and/or add skylights (recommend both) ⑤

If addition is required,
move buried Classrooms /
Offices near Cafe to new
addition with windows.
Addition: 4,500 sf ⑫

Create football locker room
Renovation: 900 sf ⑥

Enlarge MPR
Renovation: 2,400 sf ⑦

If no reduction in capacity, build
replacement classrooms.
Addition: 1,500 sf ⑩

If addition is required, move
Art to new addition with
windows ⑪

Add windows from classroom to corridor,
and/or add skylights (recommend both) ⑨

Office / Small Group / Support as required
Renovation: 3,000 sf ⑧

- | | |
|---------------------------|-------------------------|
| Art: Visual | Social Studies |
| Art: Performing | TPI/ESL |
| Applied Arts | Special Education |
| English | Library |
| Science | Physical Education |
| General/Shared Classrooms | Administration |
| Mathematics | Community/Shared Spaces |
| Multimedia | Building Services |
| World Languages | |

Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate

3.2

Dent Middle School



BACKGROUND INFORMATION:

Address: 2721 Decker Boulevard, Columbia SC 29206

Principal: Tamala Ashford

Built: 1998; Major Addition: 2007

Capacity: 1,250

Current Enrollment: 1,258 (over capacity)

KEY STRENGTHS:

- Interior graphics support a culture of pride

KEY CHALLENGES:

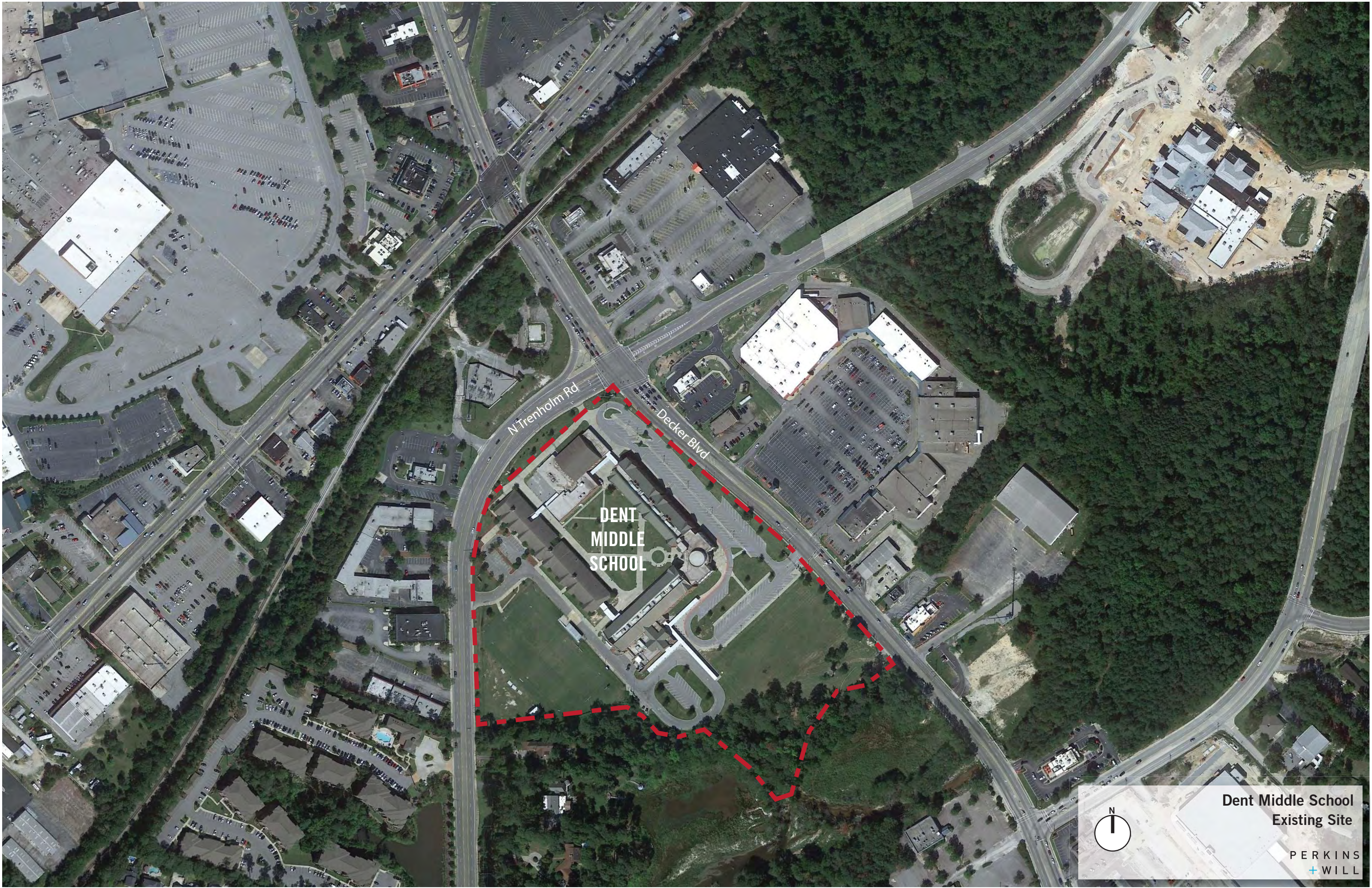
- Improvements are needed at entries such as key card/access control for ease of getting in from parking
- Gym ceiling height at 20'-0"
- Capacity: some hallways with lockers can get congested
- There is a need for more flexible furniture

PROGRAM DEFICIENCIES

- Capacity: Population means some spaces are crowded; Cafeteria operating with 6 lunch periods
- Arts: Chorus and dance are not co-located with other performing arts spaces; More band storage is needed
- Limited flexible collaboration space (staff would like to meet as a MS team)
- Lack of a maker space (yes, green screen)
- Medica center needs new furniture, shades, and acoustic treatments

RECOMMENDATION: TARGETED RENOVATION

Photo Source: <http://taylorbrotherssc.com/?p=134>



DENT
MIDDLE
SCHOOL

N Trenholm Rd

Decker Blvd



Dent Middle School
Existing Site

PERKINS
+ WILL



7/8th grade drop off, short queuing

N Trenholm Rd










Decker Blvd

DENT MIDDLE SCHOOL

6th grade drop off

Staggered drop off times for cars and buses

Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields
-  Area of Concern Pedestrian
-  Area of Concern Water
-  Area of Concern Vehicular



Dent Middle School
Site Analysis


PERKINS
+ WILL



Legend

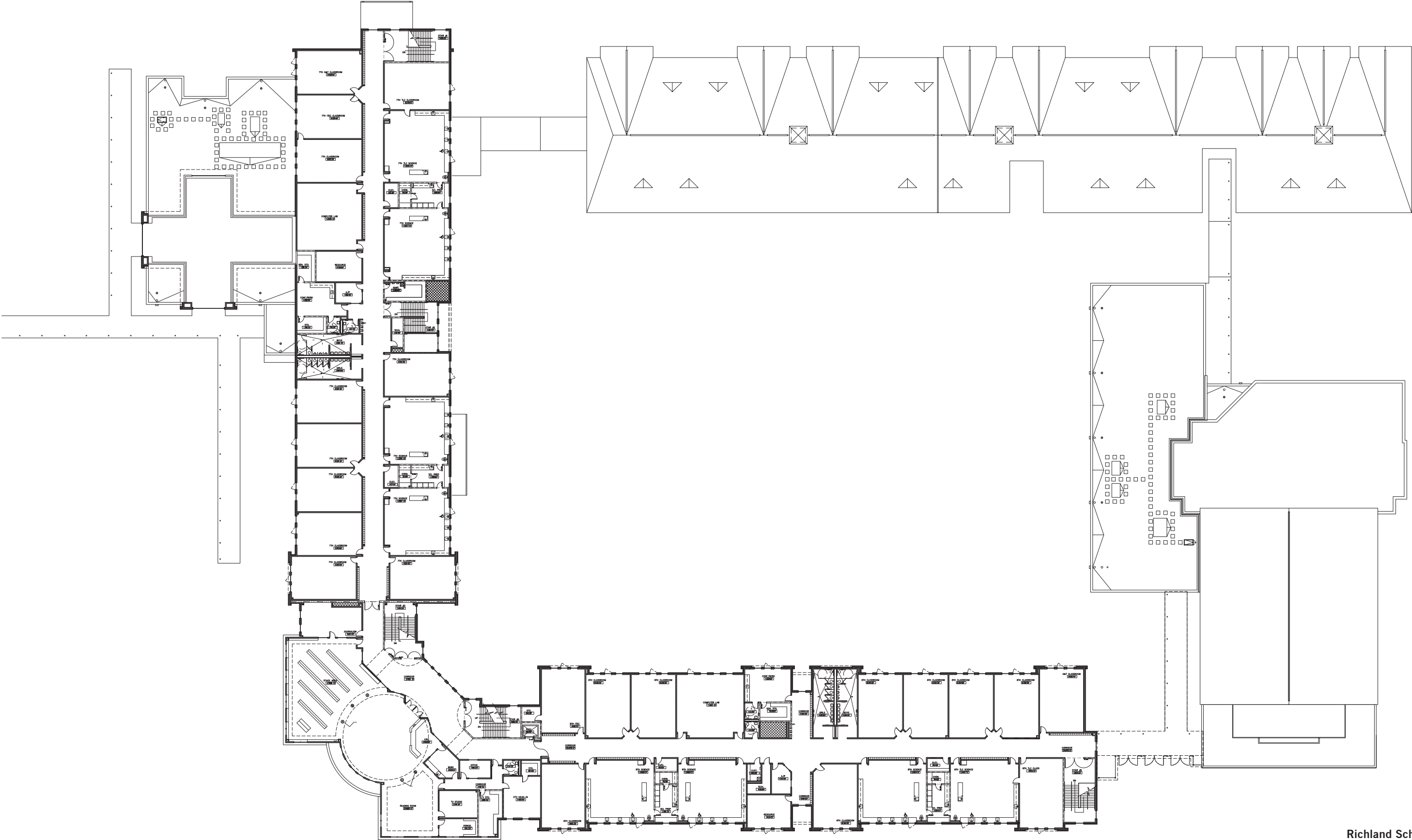
 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

**Dent Middle School
Proposed Site**

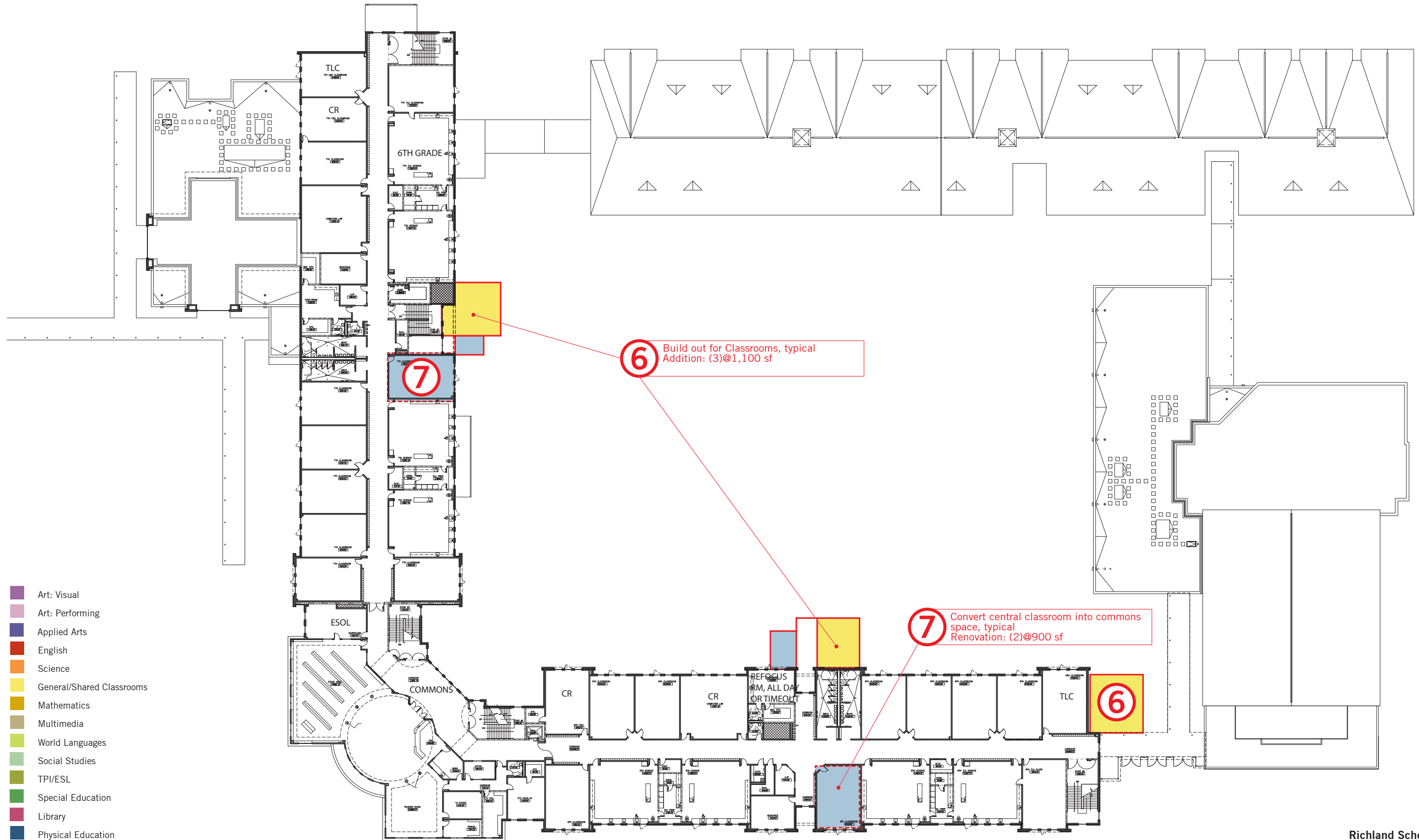
 N

PERKINS
+ WILL









Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate

3.3

EL Wright Middle School



BACKGROUND INFORMATION:

Address: 2740 Alpine Road, Columbia SC 29223

Principal: Malinda Taylor

Built: 1961; Addition (Cafeteria): 1990; Addition: 2004

Capacity: 1,225

Current Enrollment: 1,096

KEY STRENGTHS:

- Replace

KEY CHALLENGES:

- Site topography is challenging; landlocked for play space
- Age of buildings; single-story buildings occupy much of the available site
- Site traffic - 2 lines of cars
- Multiple buildings introduce safety and accessibility challenges

PROGRAM DEFICIENCIES

- No flexible collaboration space
- No maker space
- Need for more flexible furniture

RECOMMENDATION: RE-BUILD EXCEPT FOR LATEST 3-STORY BUILDING (LIMITED RENOVATION)

Photo Source: <https://elwvisualarts.weebly.com/>



Prestwick Cir

Appleby Ln

Aintree Dr

Alpine Rd

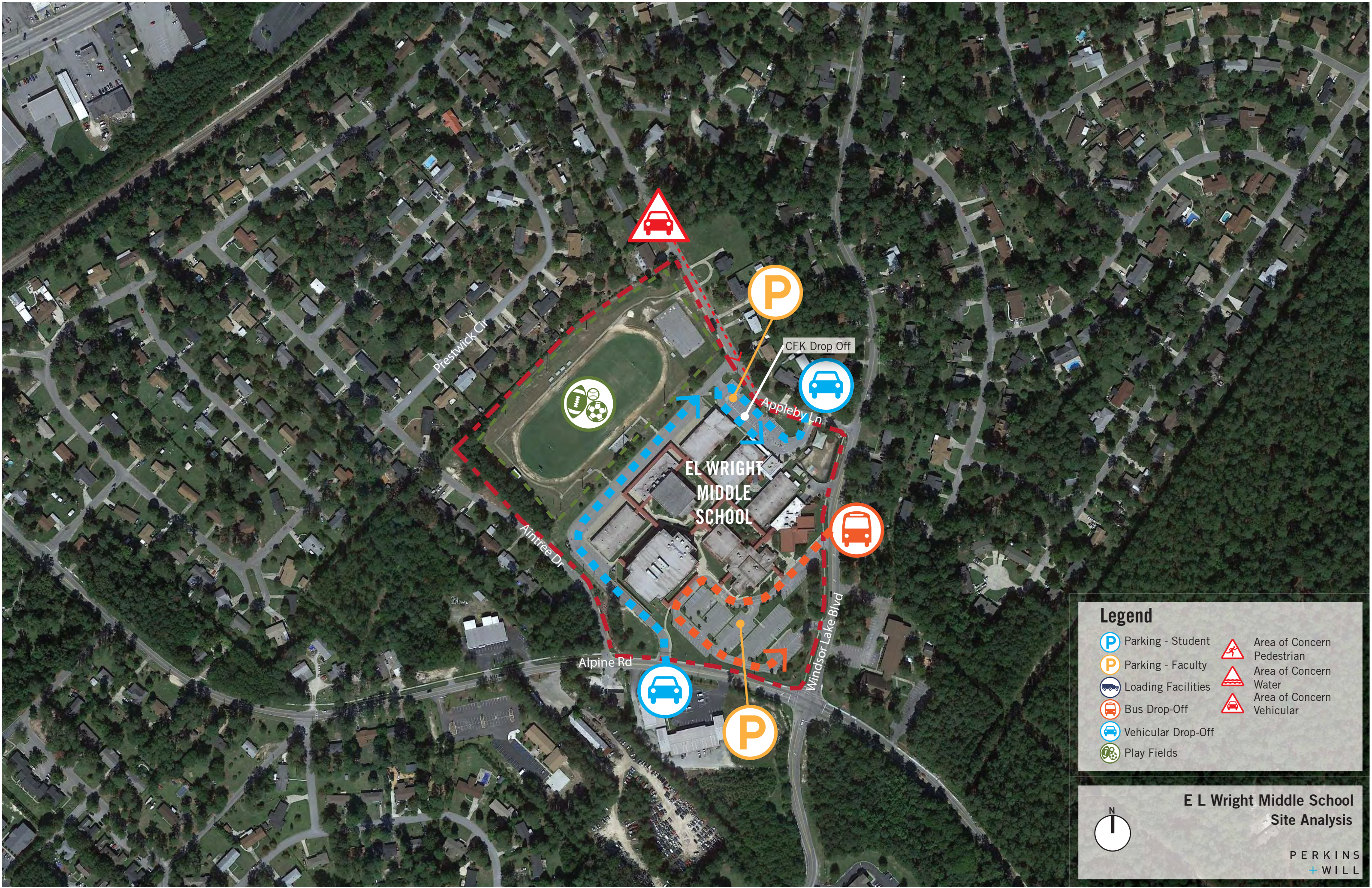
Windsor Lake Blvd

EL WRIGHT
MIDDLE
SCHOOL



E L Wright Middle School
Existing Site

PERKINS
+ WILL



Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

 **E L Wright Middle School
Site Analysis**

PERKINS
+ WILL



EL WRIGHT
MIDDLE
SCHOOL

Bus drop off and new
parking










New car drop off and
parking - long queuing

Field House
Addition: 16,000 sf

Repurpose for CFK/LAW
program

CFK/LAW Drop off

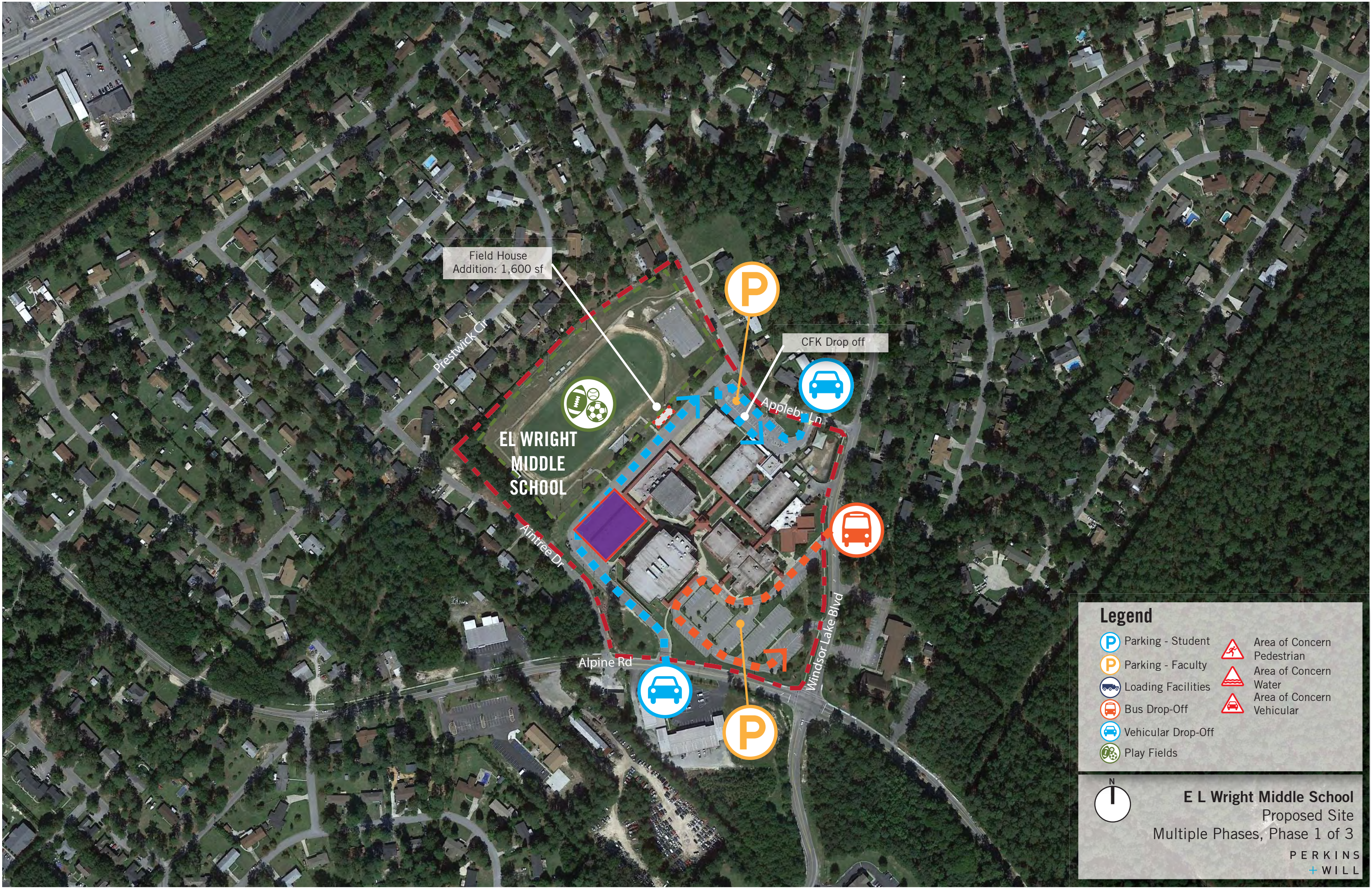
Legend

- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



E L Wright Middle School
Proposed Site
Rebuilding Option, Limited Phasing

PERKINS
+ WILL



Field House
Addition: 1,600 sf

Prestwick Cir

EL WRIGHT
MIDDLE
SCHOOL

Aintree Dr







Alpine Rd




Appleb Ln

Windsor Lake Blvd

CFK Drop off

Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields

-  Area of Concern Pedestrian
-  Area of Concern Water
-  Area of Concern Vehicular



E L Wright Middle School
Proposed Site
Multiple Phases, Phase 1 of 3



Field House
Addition: 1,600 sf

Prestwick Cir

EL WRIGHT
MIDDLE
SCHOOL

Aintree Dr







Alpine Rd




Appleb Ln

Windsor Lake Blvd

CFK Drop off

Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields

-  Area of Concern Pedestrian
-  Area of Concern Water
-  Area of Concern Vehicular



E L Wright Middle School
Proposed Site
Multiple Phases, Phase 2 of 3



Field House
Addition: 1,600 sf

Prestwick Cir

EL WRIGHT
MIDDLE
SCHOOL

Aintree Dr

Repurpose for CFK/LAW
program







Alpine Rd




CFK/LAW Drop off

Appleb Ln

Windsor Lake Blvd

Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields

-  Area of Concern
Pedestrian
-  Area of Concern
Water
-  Area of Concern
Vehicular





















E L Wright Middle School
Proposed Site
Multiple Phases, Phase 3 of 3



- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

Phase 1:
Demolish existing building (9,000 sf)
Rebuild Fitness (35,700 sf)

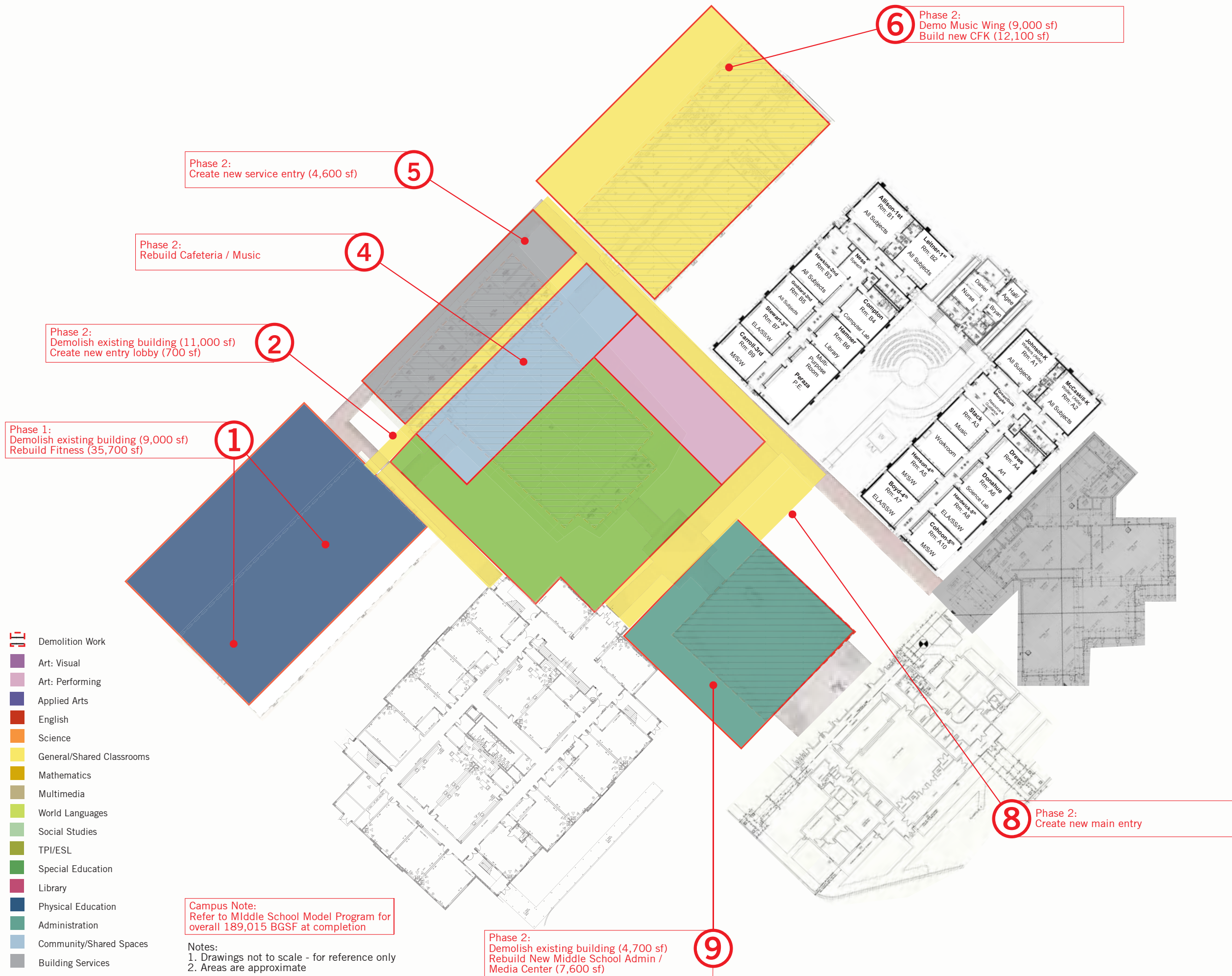
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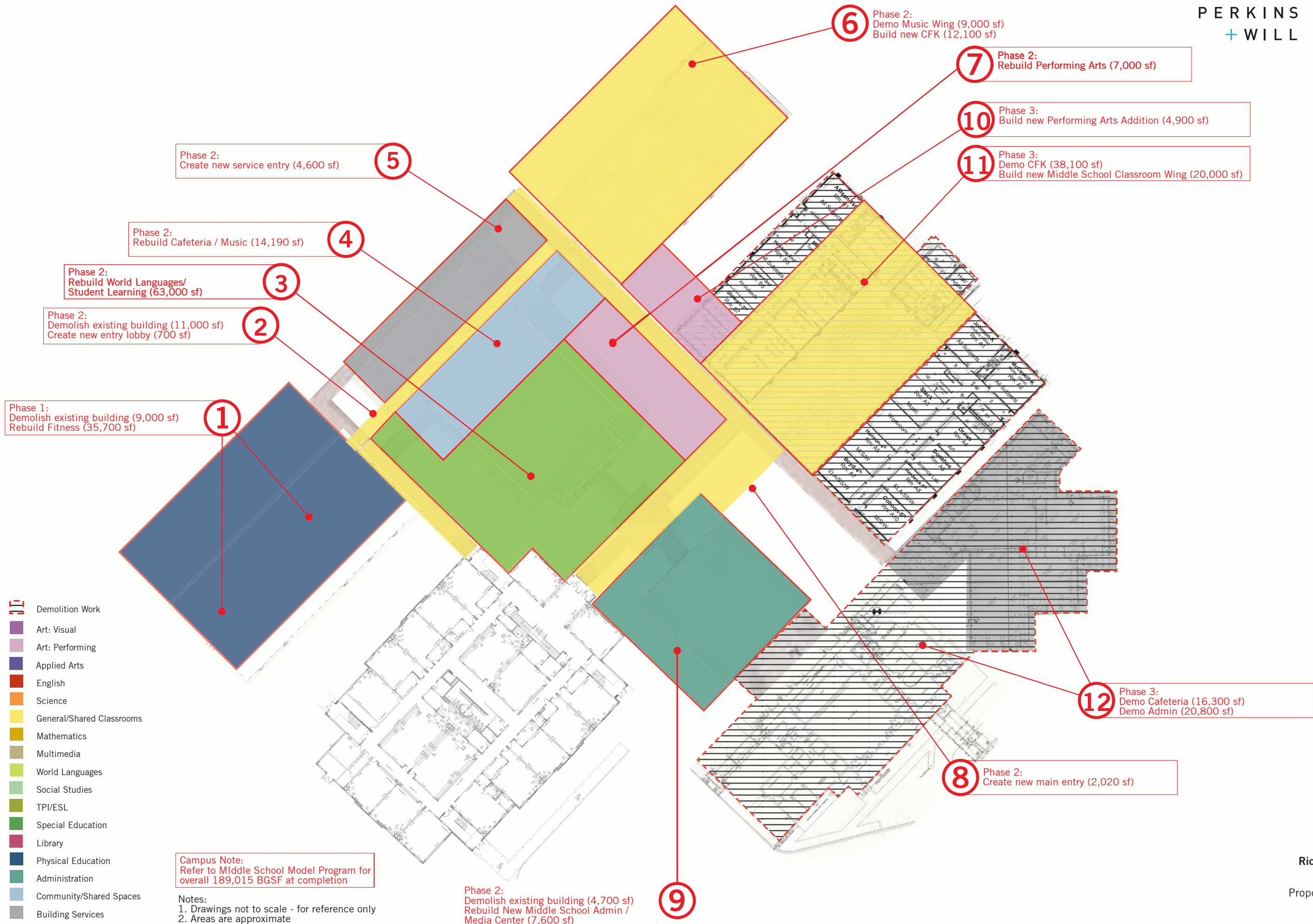
-  Demolition Work
-  Art: Visual
-  Art: Performing
-  Applied Arts
-  English
-  Science
-  General/Shared Classrooms
-  Mathematics
-  Multimedia
-  World Languages
-  Social Studies
-  TPI/ESL
-  Special Education
-  Library
-  Physical Education
-  Administration
-  Community/Shared Spaces
-  Building Services

Campus Note:
Refer to Middle School Model Program for
overall 189,015 BGSF at completion

Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate









3.4

Kelly Mill Middle School

BACKGROUND INFORMATION:

Address: 1141 Kelly Mill Road, Blythewood SC 29016

Principal: Mark Sims

Built: 2004

Capacity: 1,000

Current Enrollment: 875

KEY STRENGTHS:

- Well organized plan based on middle school teams
- Centrally-located shared programs

KEY CHALLENGES:

- Capacity - no room on site for logical addition; Some tight corridors when lockers are in use; cafeteria operating with six lunch periods and tech in cafeteria
- Need for more flexible furniture

PROGRAM DEFICIENCIES

- Limited flexible collaboration space
- Desire to locate health classrooms closer to gym
- Locker rooms are under-sized
- Desire for additional gym storage
- Want maker space/green screen room and a media center renovation

RECOMMENDATION: TARGETED RENOVATION

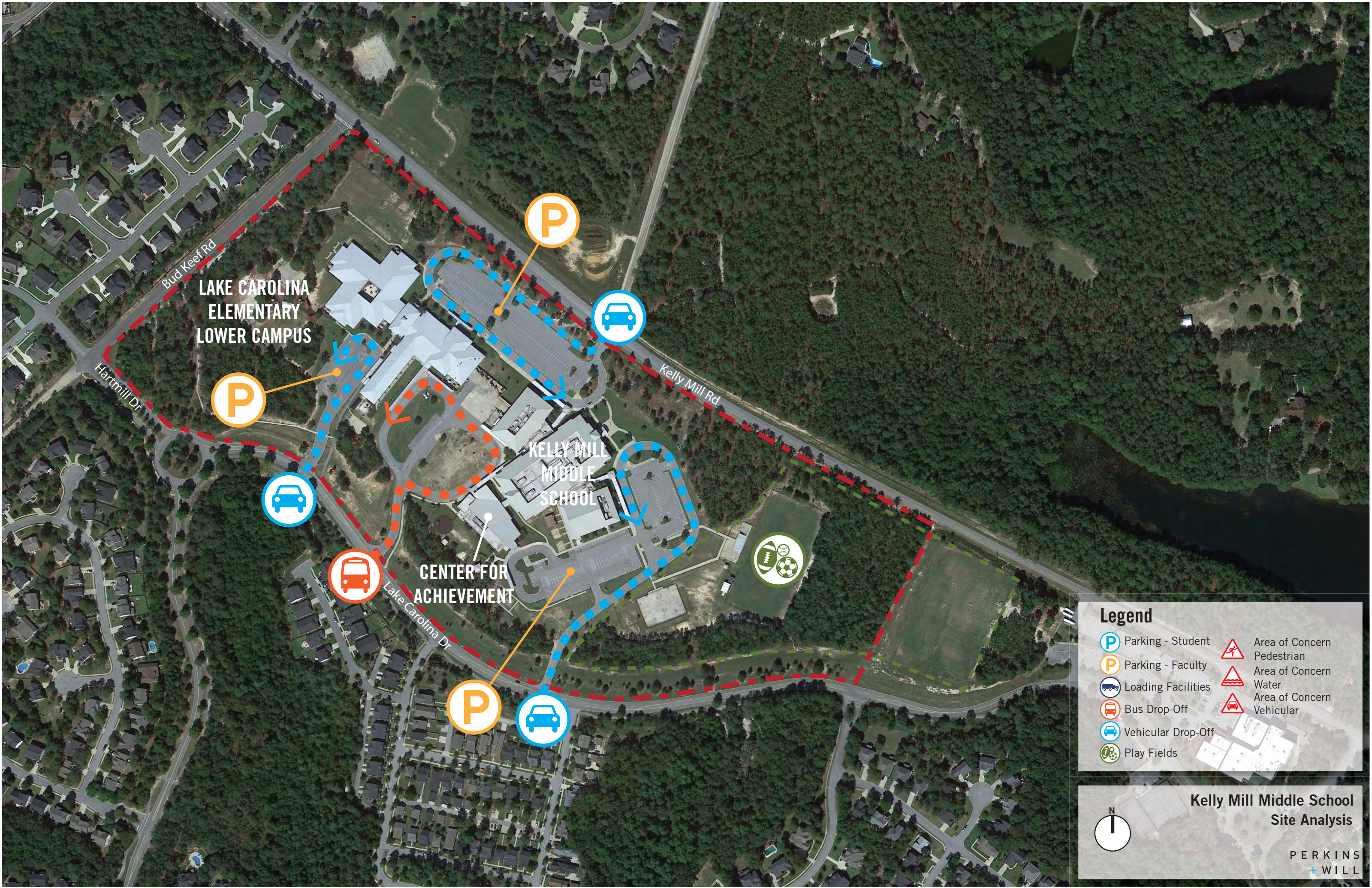
Photo Source: <http://www.ls3p.com/portfolio-item/kelly-mill-middle-school/>





Kelly Mill Middle School
Existing Site

PERKINS
+ WILL



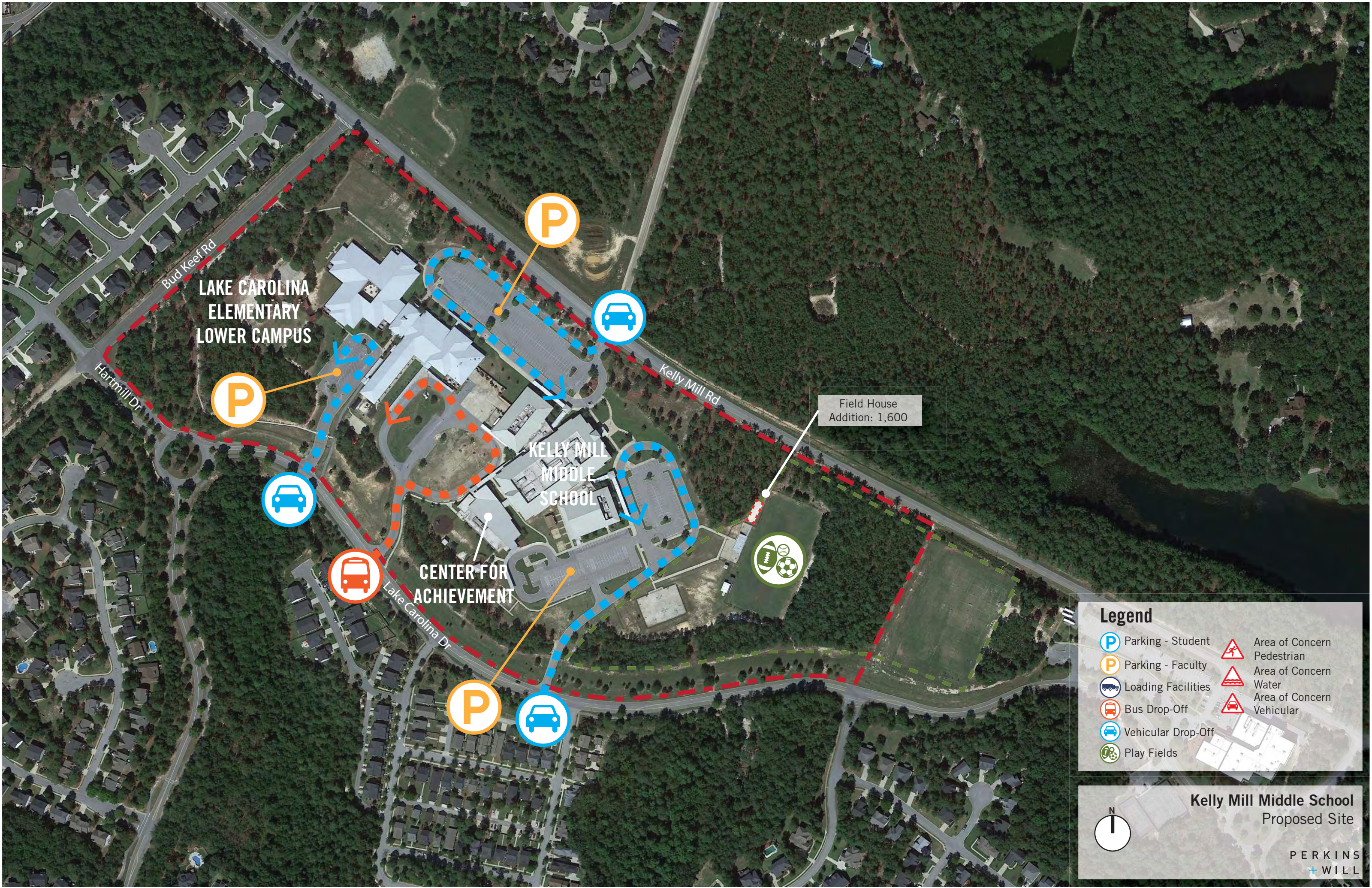
LAKE CAROLINA
ELEMENTARY
LOWER CAMPUS

KELLY MILL
MIDDLE
SCHOOL










CENTER FOR
ACHIEVEMENT

Legend


- | | |
|--------------------|----------------------------|
| Parking - Student | Area of Concern Pedestrian |
| Parking - Faculty | Area of Concern Water |
| Loading Facilities | Area of Concern Vehicular |
| Bus Drop-Off | |
| Vehicular Drop-Off | |
| Play Fields | |



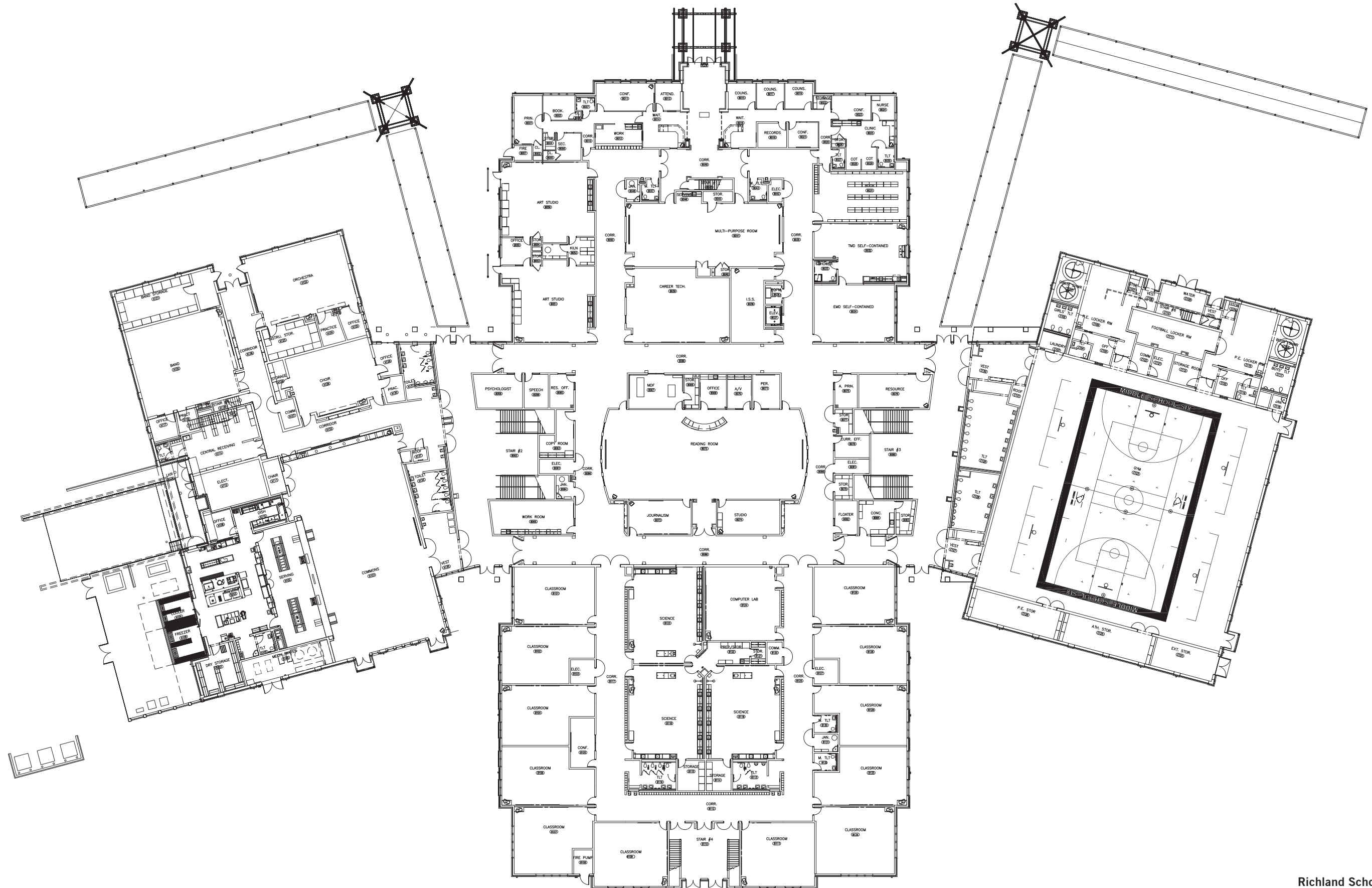
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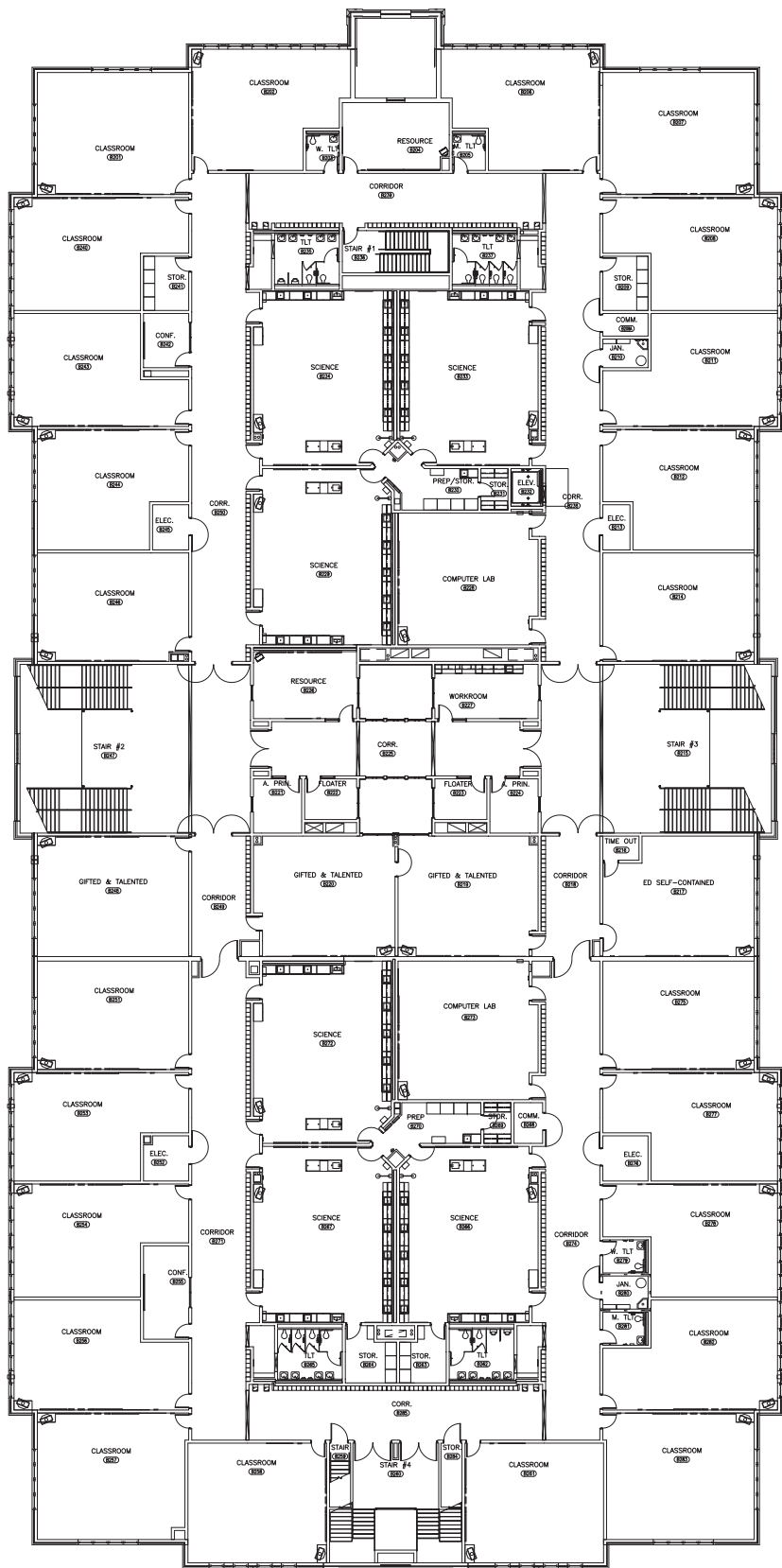
 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

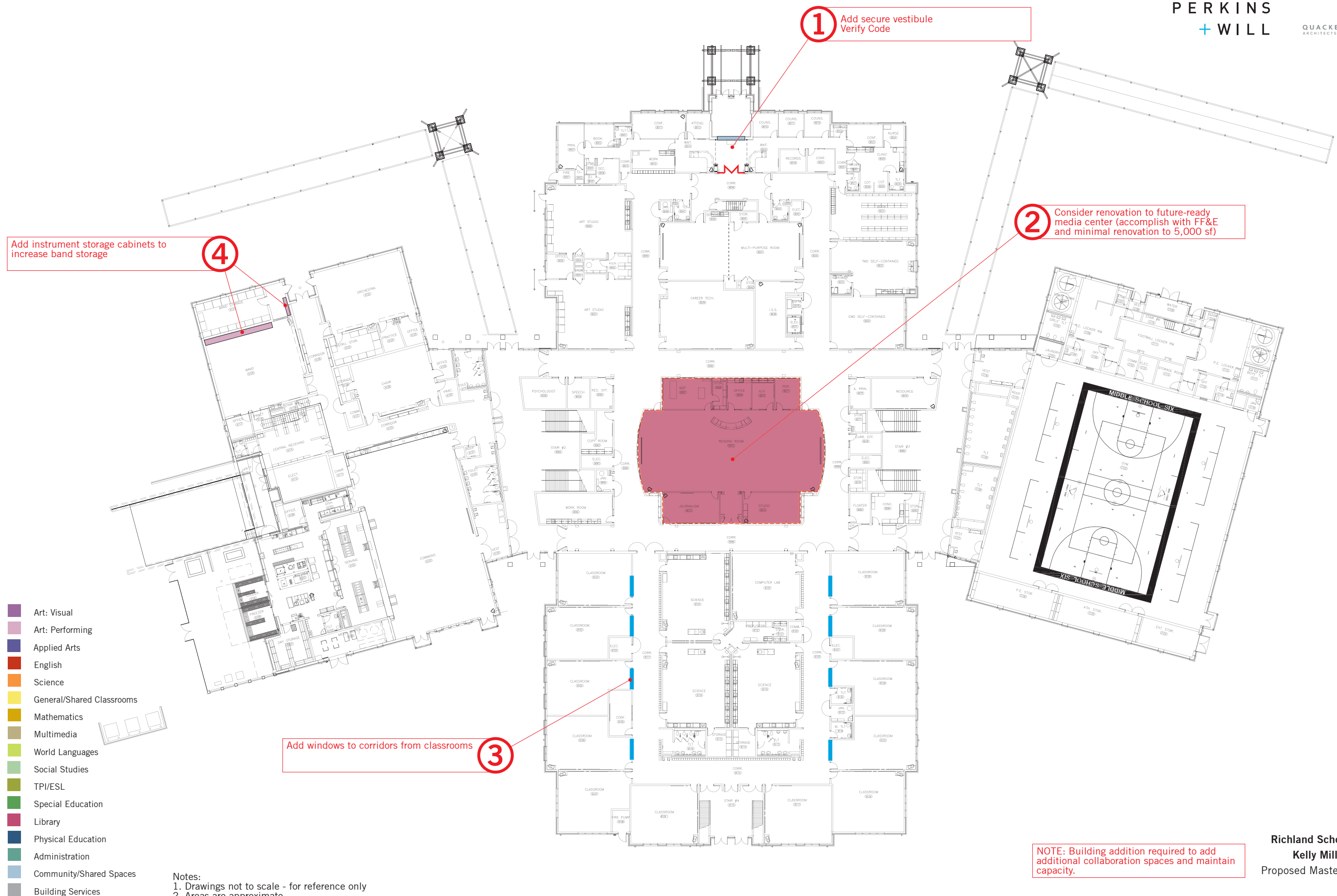
**Kelly Mill Middle School
Proposed Site**

 N

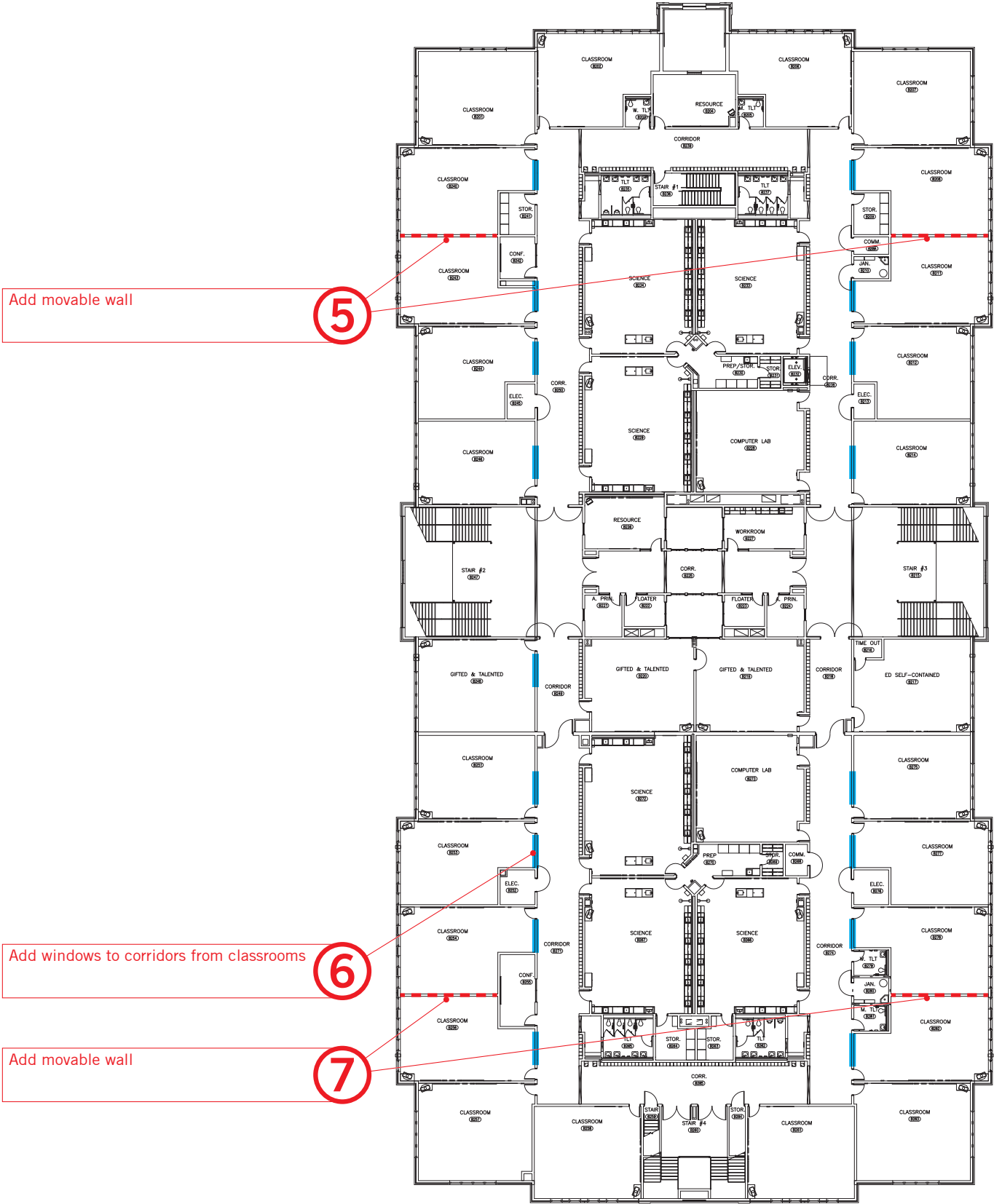
PERKINS
+ WILL







Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate



- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate

NOTE: Building addition required to add additional collaboration spaces and maintain capacity.

Richland School District Two
Kelly Mill Middle School
Proposed Master Plan Diagram
Second Floor



3.5

Longleaf Middle School

BACKGROUND INFORMATION:

Address: 1160 Longreen Pkwy, Columbia, SC 29229

Principal: Robert Jackson

Built: 2007

Capacity: 1,000

Current Enrollment: 772

KEY STRENGTHS:

- Well organized plan based on middle school teams
- Centrally-located shared programs

KEY CHALLENGES:

- Traffic backs up
- Capacity: Some tight corridors when lockers are in use; cafeteria operating with three lunch periods and tech in cafeteria
- Need for more flexible furniture

PROGRAM DEFICIENCIES

- Limited flexible collaboration space
- Desire to locate health classrooms closer to gym
- Locker rooms are under-sized
- Desire for more gym storage
- Want maker space/green screen room and a media center renovation

RECOMMENDATION: TARGETED RENOVATION

Photo Source: <http://www.ls3p.com/firm/recognitions/cefpi-south-carolina-awards-2/>



LONGLEAF
MIDDLE
SCHOOL

Longgreen Pkwy

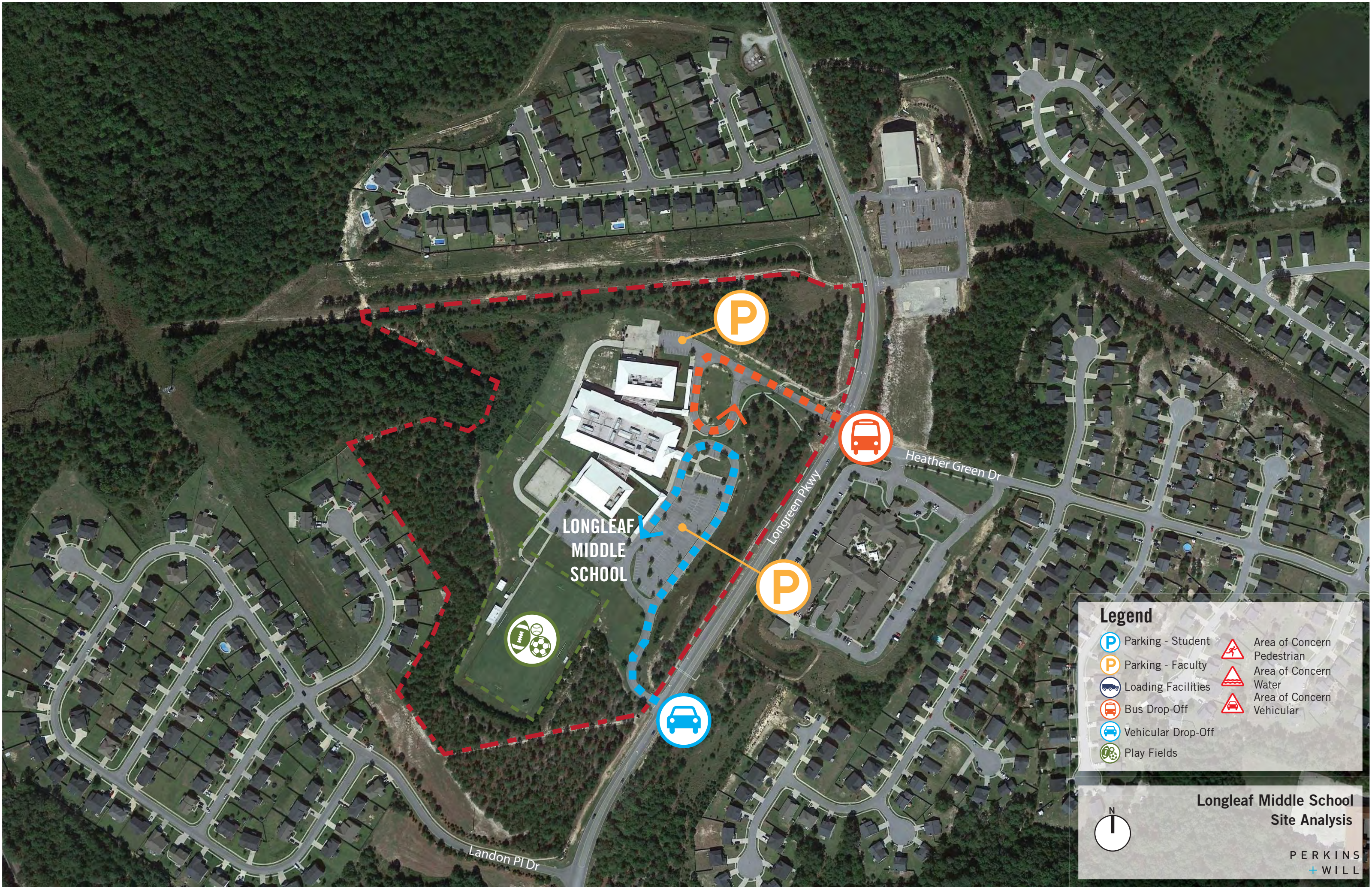
Heather Green Dr

Landon Pl Dr







Longleaf Middle School
Existing Site

PERKINS
+ WILL



Legend

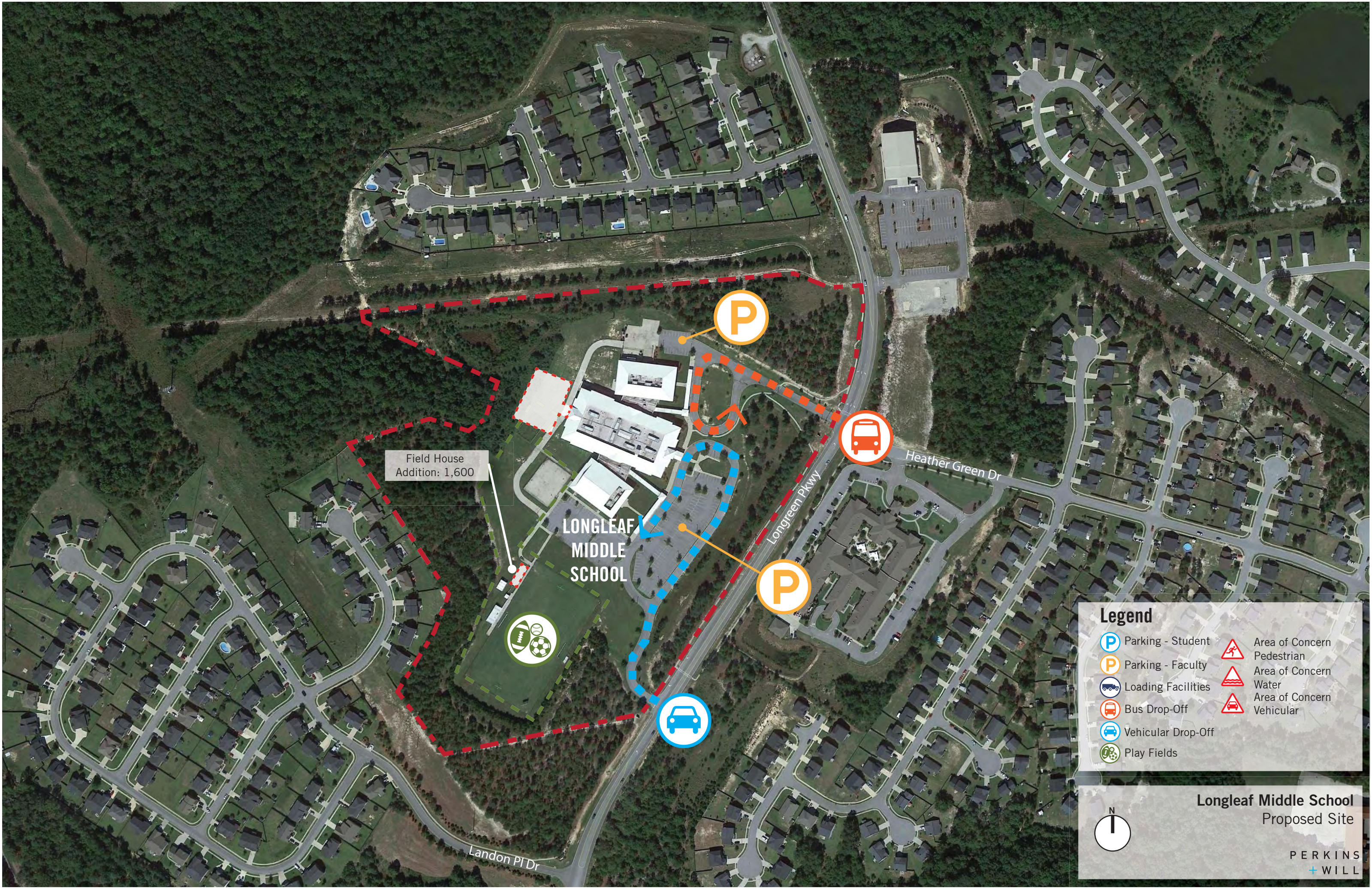
 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	



N

**Longleaf Middle School
Site Analysis**

PERKINS
+ WILL



Field House
Addition: 1,600

LONGLEAF
MIDDLE
SCHOOL

Longgreen Pkwy

Heather Green Dr

Landon Pl Dr

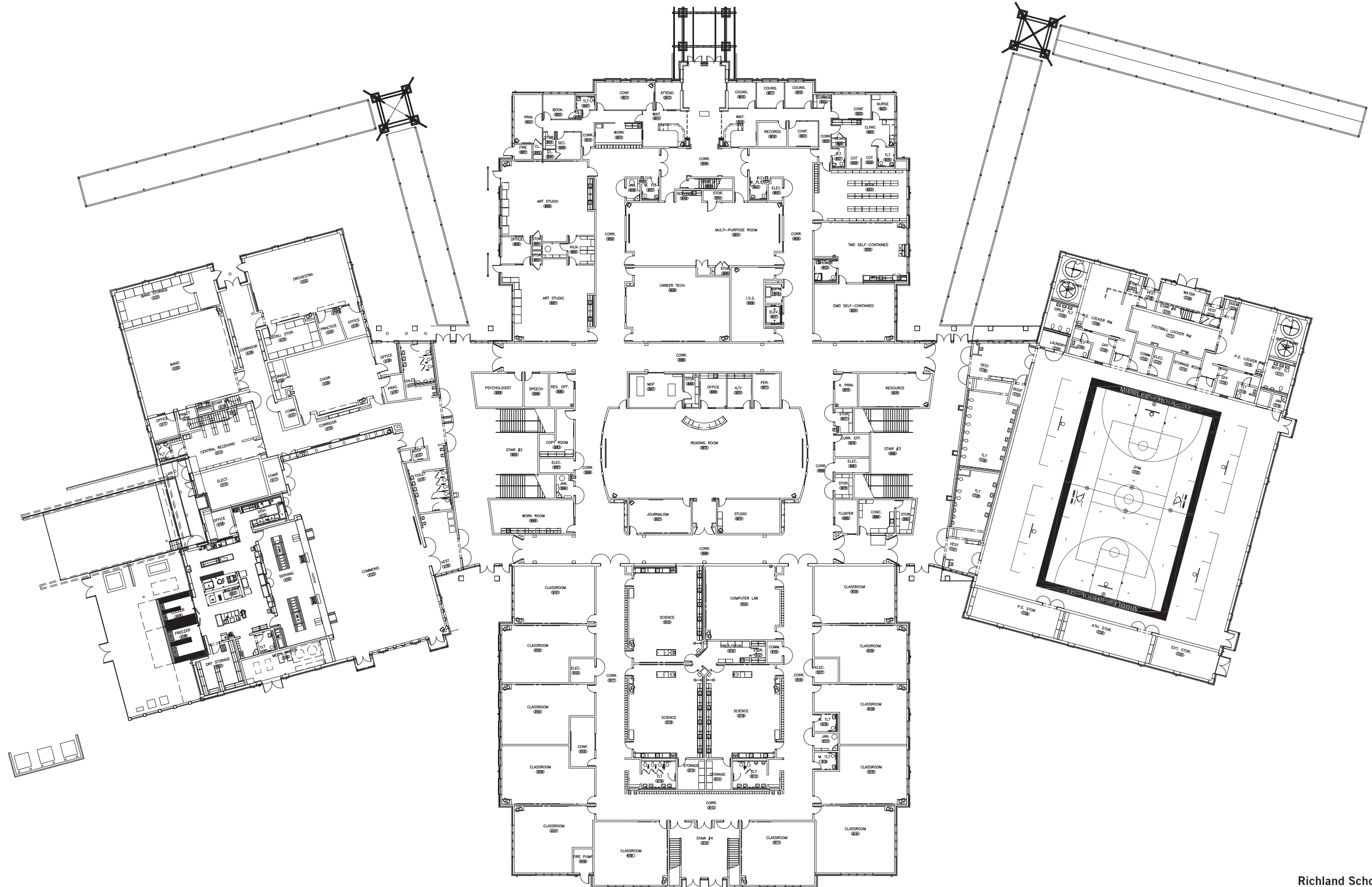
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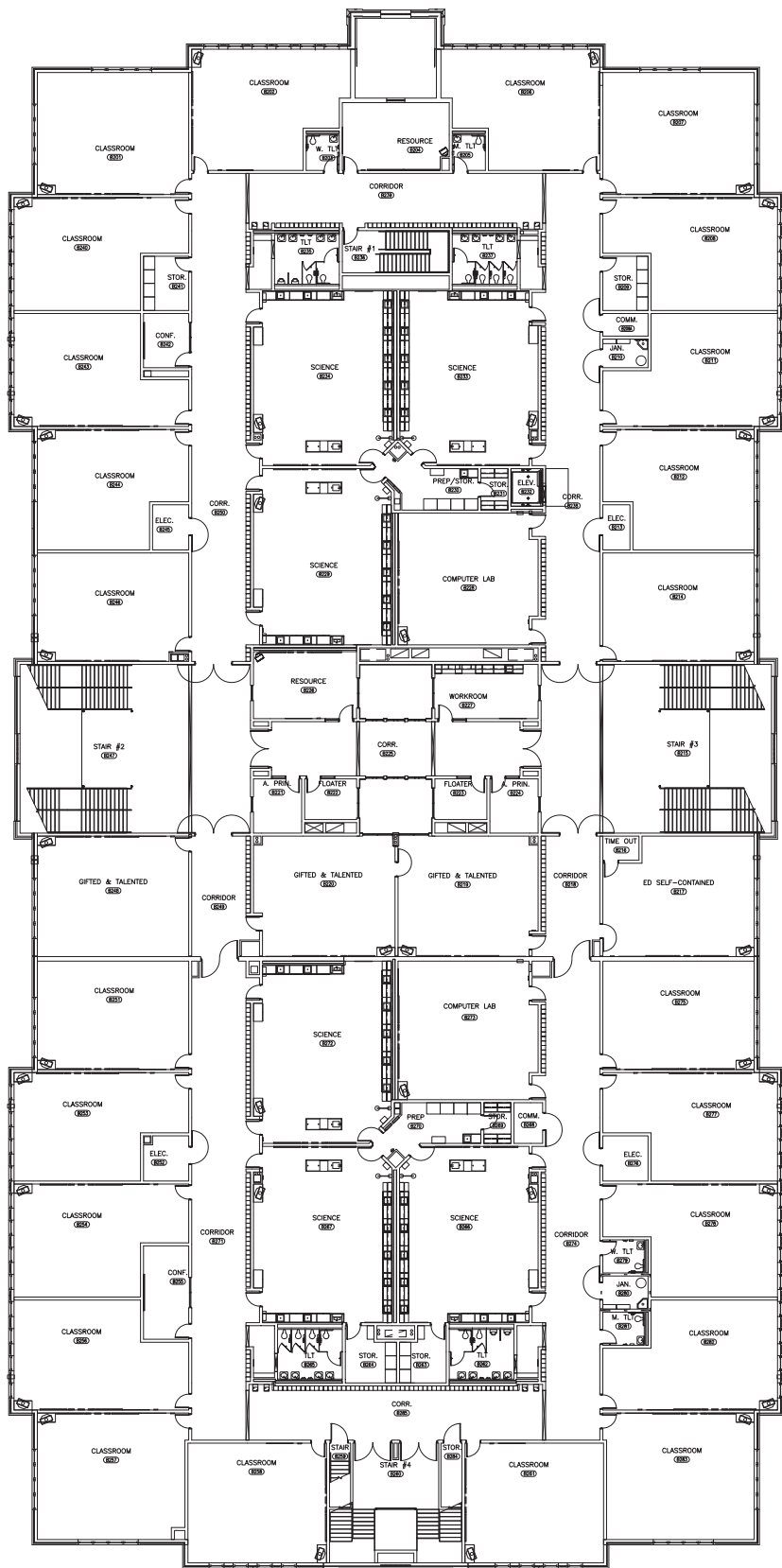
- | | |
|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |

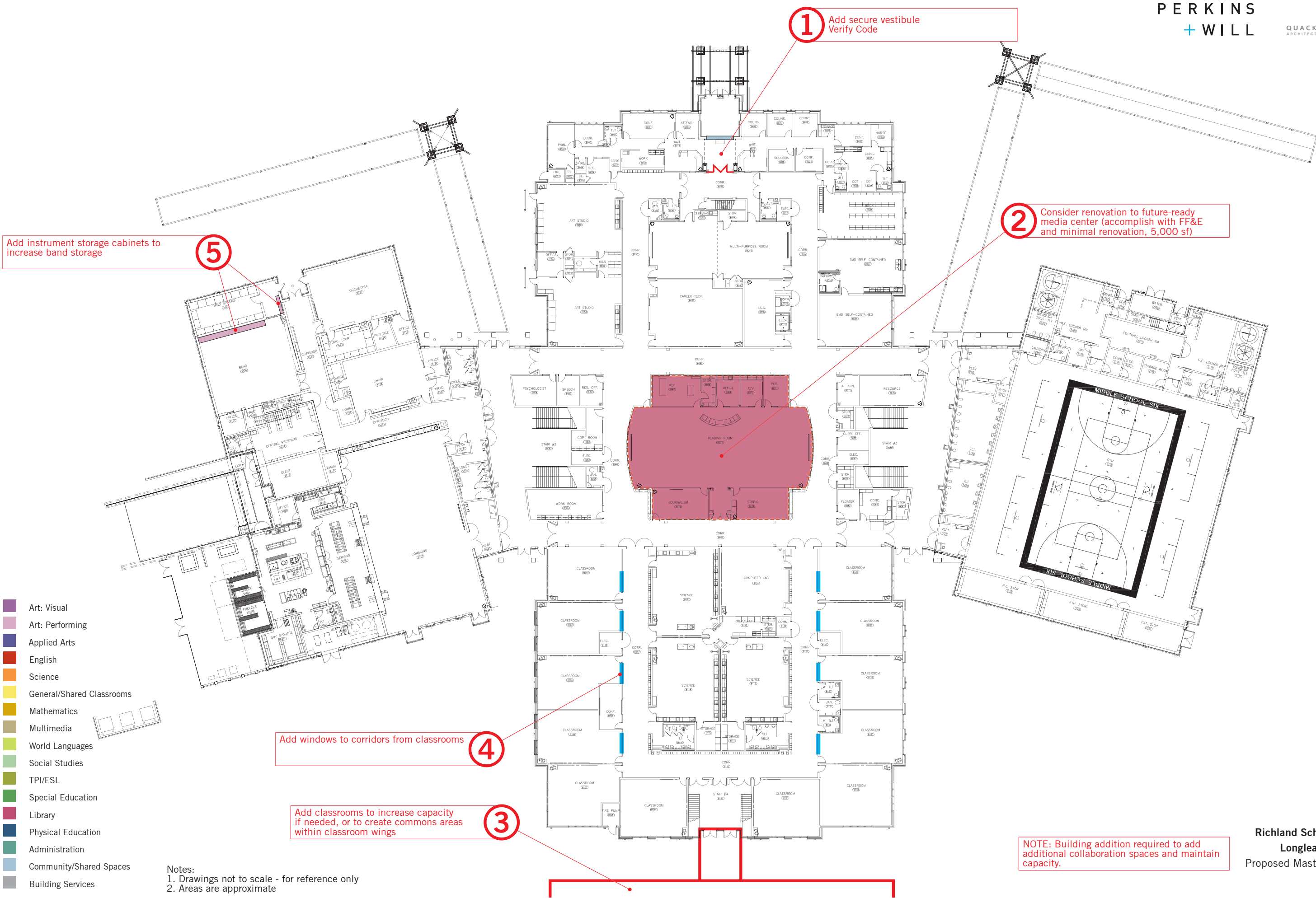


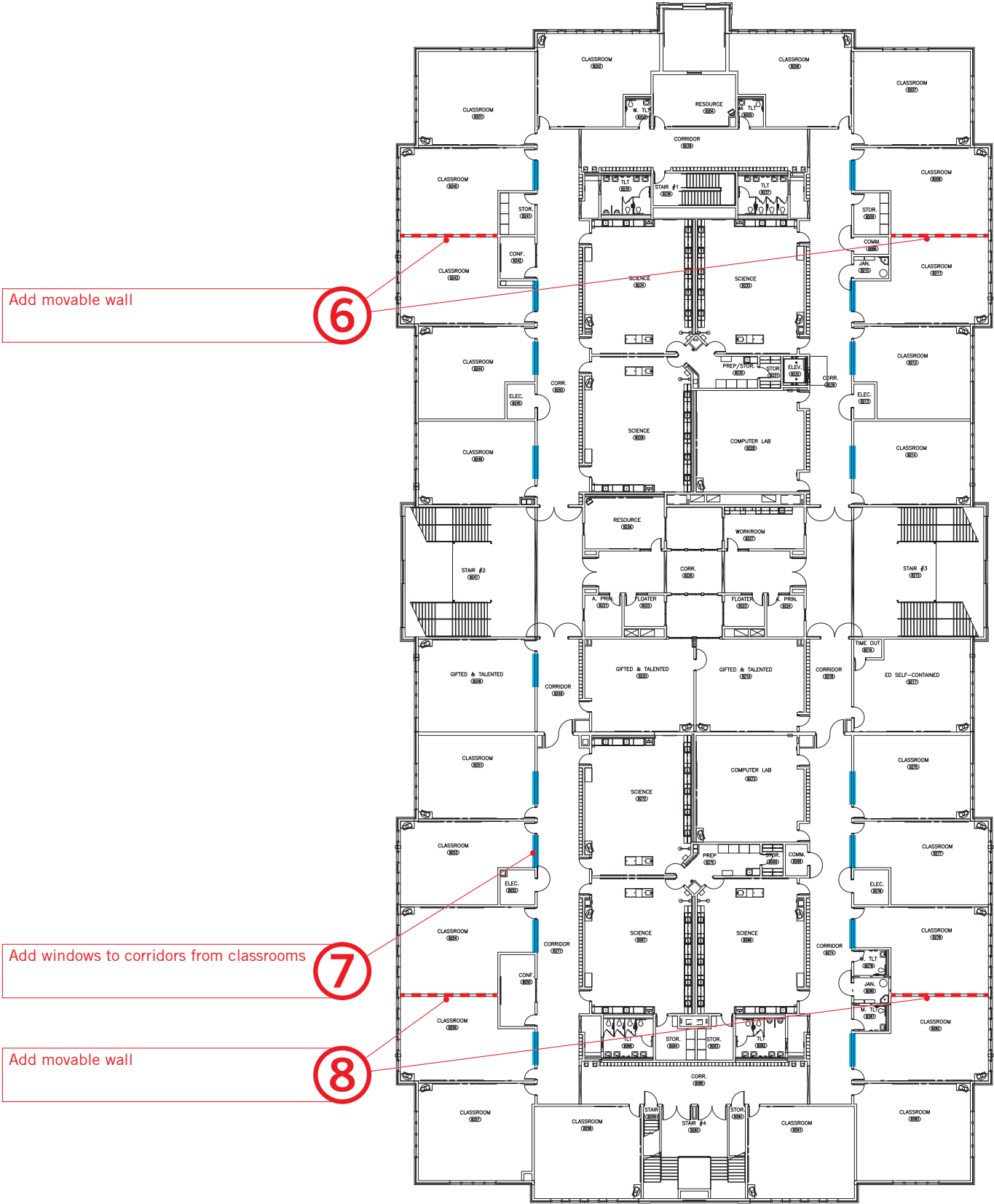
Longleaf Middle School
Proposed Site

PERKINS
+ WILL









- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate

NOTE: Building addition required to add additional collaboration spaces and maintain capacity.

3.6

Muller Road Middle School

BACKGROUND INFORMATION:

Address: 1031 Muller Road, Blythewood SC 29016

Principal: Sean Biston

Built: 2011

Capacity: 1,050

Current Enrollment: 819

KEY STRENGTHS:

- Well-organized plan based on middle school teams
- Occupied spaces benefit from natural light

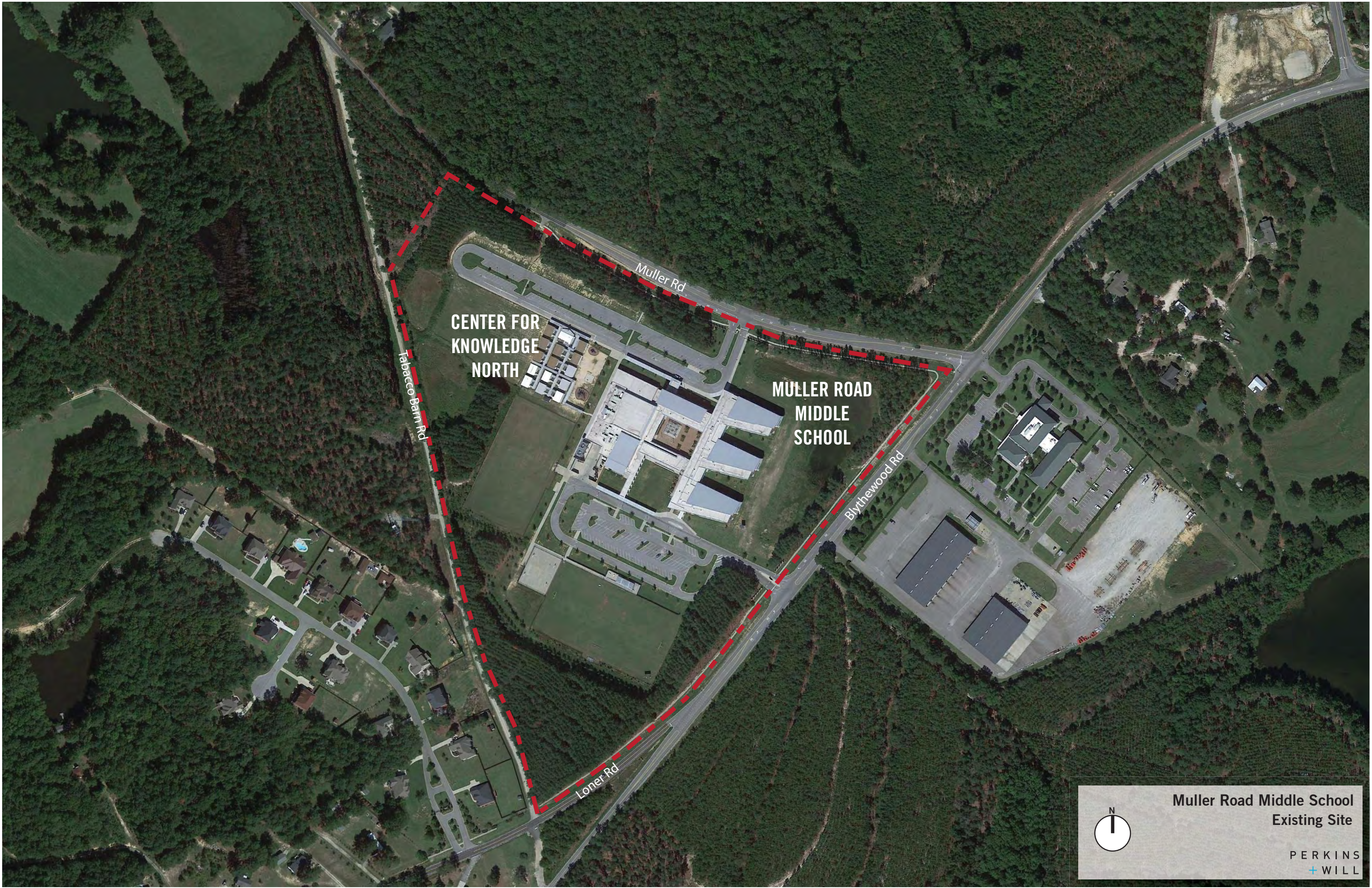
KEY CHALLENGES:


- Potential for overhead door replacement at art/former teams room
- Desire for additional furniture at cafeteria

PROGRAM DEFICIENCIES:

- None

RECOMMENDATION: NO RENOVATION

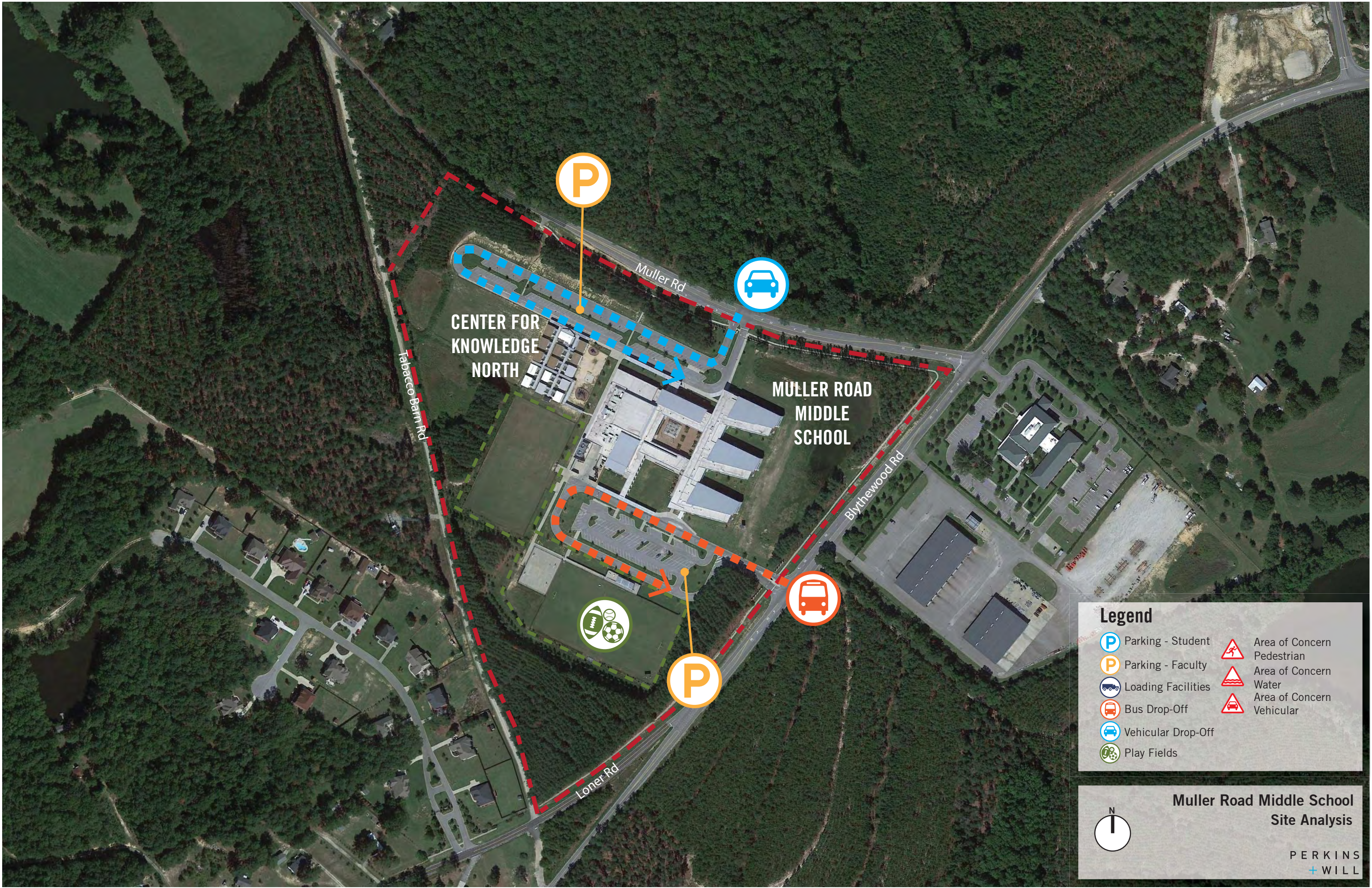




N

Muller Road Middle School
Existing Site

PERKINS
+ WILL



Legend



Parking - Student



Parking - Faculty



Loading Facilities



Bus Drop-Off



Vehicular Drop-Off



Play Fields



Area of Concern Pedestrian



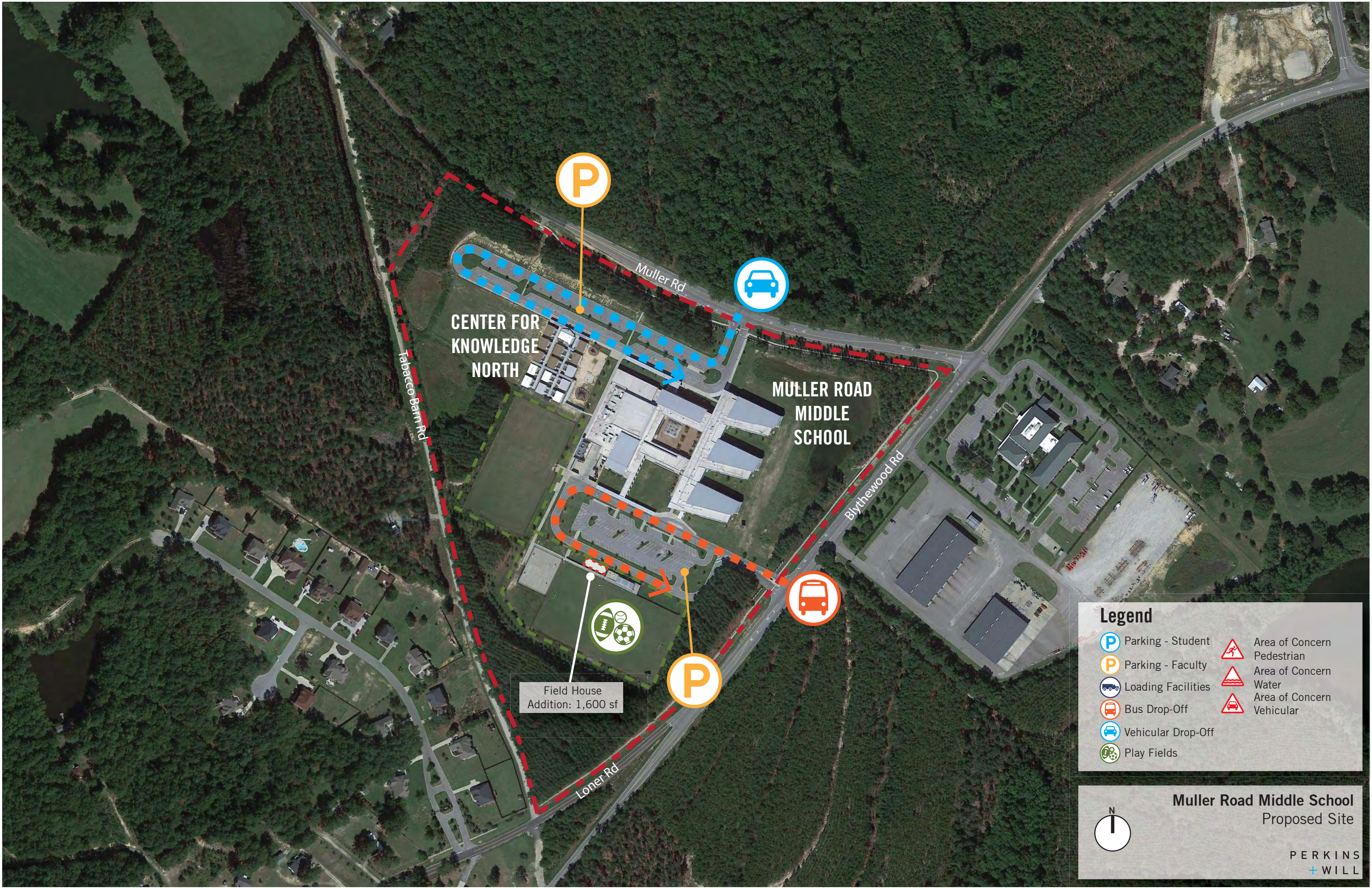
Area of Concern Water



Area of Concern Vehicular



**Muller Road Middle School
Site Analysis**












CENTER FOR
KNOWLEDGE
NORTH

MULLER ROAD
MIDDLE
SCHOOL

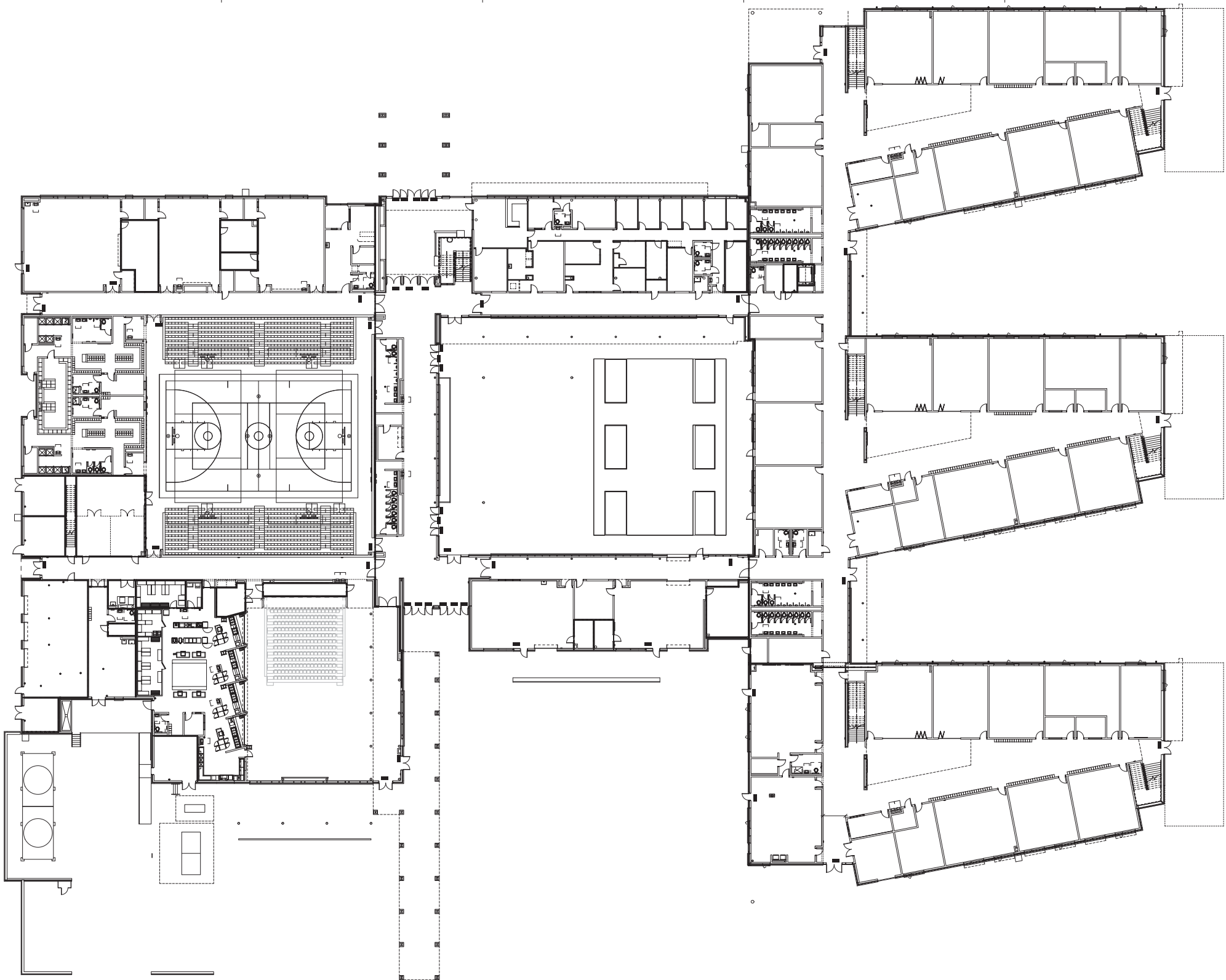
Field House
Addition: 1,600 sf

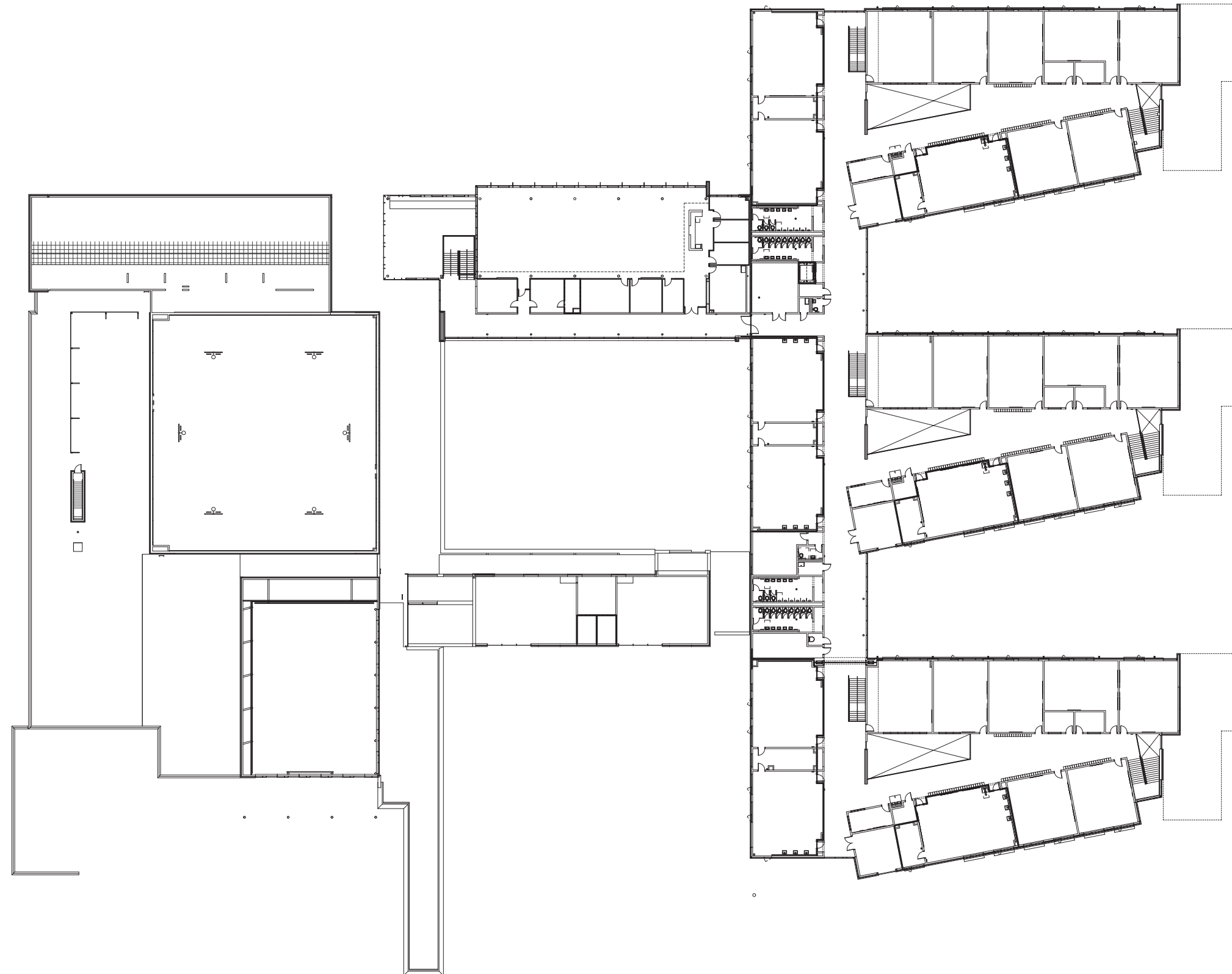
Legend

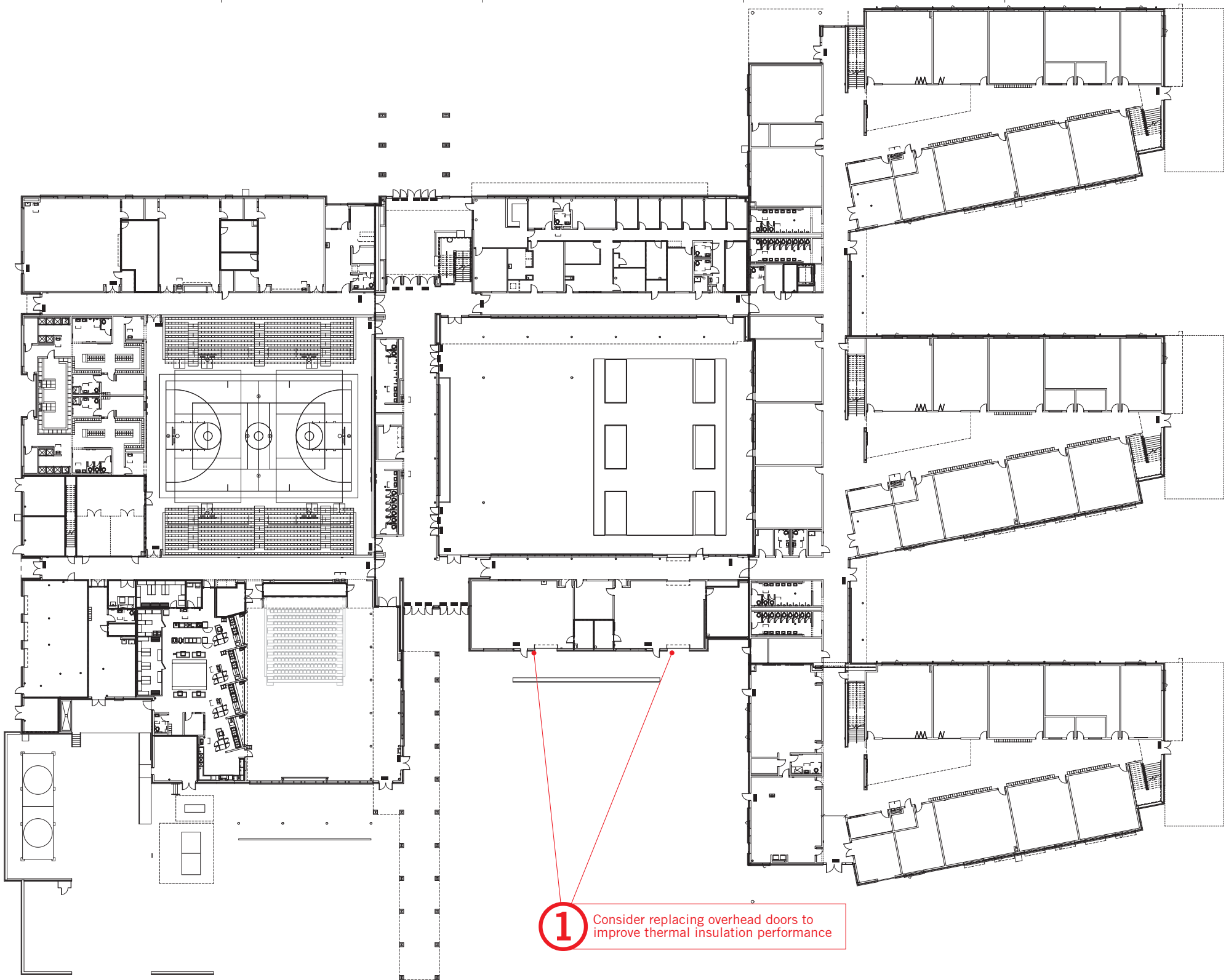
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|--|--|
|  Parking - Student |  Area of Concern Pedestrian |
|  Parking - Faculty |  Area of Concern Water |
|  Loading Facilities |  Area of Concern Vehicular |
|  Bus Drop-Off | |
|  Vehicular Drop-Off | |
|  Play Fields | |



**Muller Road Middle School
Proposed Site**







- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate





- Art: Visual
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- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate



3.7

Summit Parkway Middle School



BACKGROUND INFORMATION:

Address: 2740 Alpine Road, Columbia SC 29223

Principal: Malinda Taylor

Built: 1990; Addition: 1992; Renovation (Media Center): date unknown

Capacity: 986

Current Enrollment: 982

KEY STRENGTHS:

- Well organized plan based on middle school teams
- Centrally-located shared programs

KEY CHALLENGES:

- Traffic regulation is poor: there is extensive vehicular queuing. Consider swapping bus and car traffic routes and connecting front and back parking lots
- Limited daylight in many occupied spaces: the interior brick is dark; There is no daylight in art classrooms or special education classrooms
- Brick walls limit display opportunities
- Six lunch periods + Center For Inquiry
- Poor acoustics between classrooms (dismountable walls don't extend to the floor deck, providing poor acoustical performance)

PROGRAM DEFICIENCIES

- Need for an appropriately-sized fitness room
- Lack of flexible collaboration space; Need for more flexible furniture
- No maker space

RECOMMENDATION: RENOVATION AND TARGETED ADDITIONS

Photo Source: <https://www.facebook.com/spmeagles/>



SUMMIT
PARKWAY
MIDDLE
SCHOOL

CENTER FOR
INQUIRY

Rhame Rd

Summit Pkwy

Summit Center Dr



Summit Parkway Middle School
Existing Site

PERKINS
+ WILL





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4.0 High Schools



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EXECUTIVE SUMMARY:

High Schools

- The high school sites and buildings are well cared for and maintained.
- Generally, there is good site circulation and parking is adequate.
- With the exception of Blythewood High School, all schools can adequately house their current enrollments.
- Blythewood High School is over enrolled, therefore, if current attendance boundaries to remain, an addition to adequately house all students in purpose-built space and allow removal of portable classrooms.
- With the exception of Blythewood High School, all schools can utilize excess capacity to creatively convert existing spaces/ functions to support contemporary teaching practices including the creation of small group spaces, more flexible/collaborative spaces
- More flexibility in both interior spaces and furnishings would benefit learning and enhance operational flexibility.
- High Schools have elected to have one lunch period which puts pressure on sufficient locations for dining.
- Schools without a stadium (Richland Northeast, Ridge View, Spring Valley) would like those facilities constructed.
- As a next step, a discussion about safety and security on all campuses is recommended.
- Refer to individual school sections for more detailed recommendations.

High School Model Program

Richland School District 2
June 26, 2017, Edited February 14, 2018

Programmed Areas

1700 planned students, grades 9-12 2100 core capacity	CAPACITY students	NET SQUARE FEET total	GROSSING factor	GROSS SQUARE FEET total
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A. Area Summary

1. Total area		254,375 nsf	1.45	368,844 gsf
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B. Capacity Summary

1. Teaching Stations	95	2,188 students		
2. Utilization Factor	82%			
3. Effective Student Capacity		1,794 students		

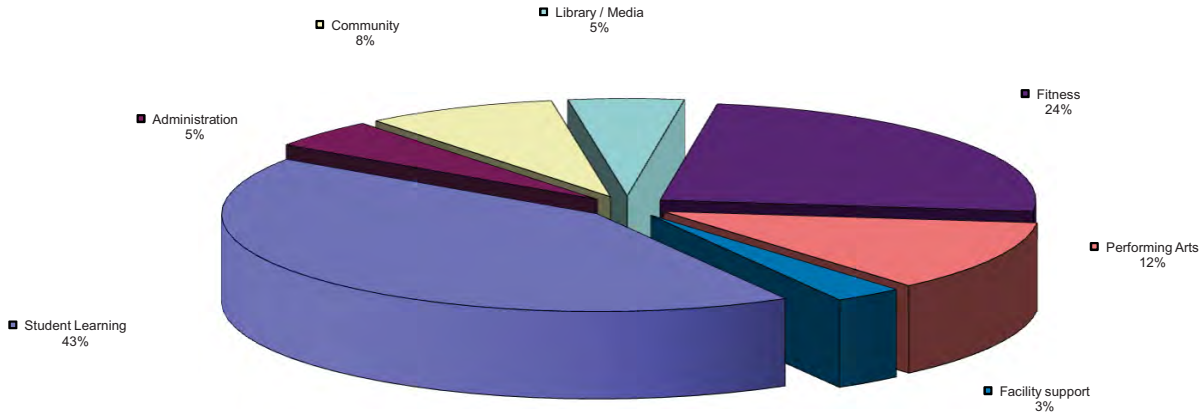
Area Analysis

1. Square feet per student: Planned	1,700 students	198 gsf
2. Square feet per student: Actual	1,794 students	206 gsf

D. Area Comparison

1. Student Learning	43%	108,850 nsf	157,833 gsf
2. Administration	5%	12,160 nsf	17,632 gsf
3. Community	8%	20,935 nsf	30,356 gsf
4. Library / Media	5%	12,650 nsf	18,343 gsf
5. Fitness	24%	62,090 nsf	90,031 gsf
6. Performing Arts	12%	30,155 nsf	43,725 gsf
7. Facility support	3%	7,535 nsf	10,926 gsf
Total GSF	100%	254,375 nsf	368,844 gsf

E. Area Chart



Columbia, South Carolina



Actual Areas (Westwood HS)

1700 planned students, grades 9-12 2100 core capacity	CAPACITY students	NET SQUARE FEET total	GROSSING factor	GROSS SQUARE FEET total
--	----------------------	--------------------------	--------------------	----------------------------

A. Area Summary

1. Total area		232,478 nsf	1.52	352,406 gsf
---------------	--	-------------	------	-------------

B. Capacity Summary

1. Teaching Stations	95	2,238 students		
2. Utilization Factor	82%			
3. Effective Student Capacity		1,835 students		

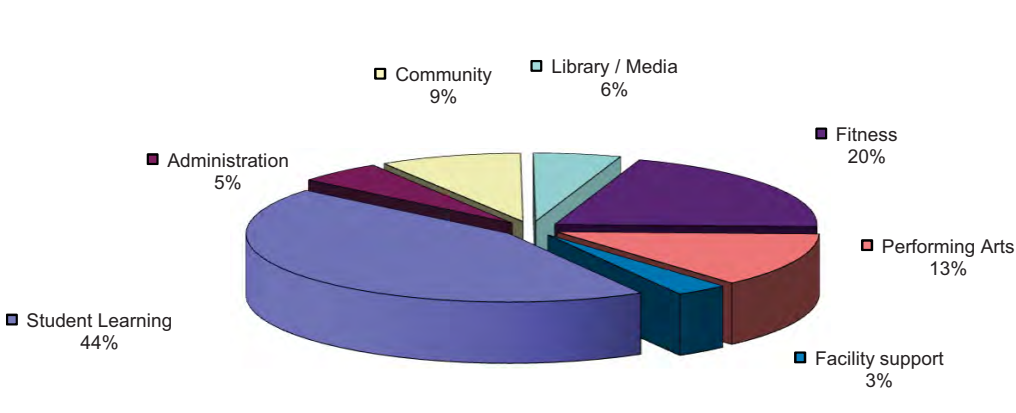
Area Analysis

1. Square feet per student: Planned	1,700 students	0 gsf
2. Square feet per student: Actual	1,835 students	192 gsf

D. Area Comparison

1. Student Learning	44%	102,845 nsf	155,899 gsf
2. Administration	5%	12,149 nsf	18,416 gsf
3. Community	9%	20,273 nsf	30,731 gsf
4. Library / Media	5%	12,508 nsf	18,960 gsf
5. Fitness	20%	47,113 nsf	71,416 gsf
6. Performing Arts	13%	30,090 nsf	45,612 gsf
7. Facility support	3%	7,501 nsf	11,371 gsf
Total GSF	100%	232,478 nsf	352,406 gsf

E. Area Chart



High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



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SPACE DESCRIPTION		New Program Areas						NOTES	Actual Areas (Westwood)						NOTES
		SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
		teaching	total	each	total	each	total		teaching	total	each	total	each	total	
1	STUDENT LEARNING SPACES														
A.	Academic Teams														
1.	Classrooms	28	28	25	700	800	22,400	movable wall between accessible to/ located near students, visibilty	36	36	25	900	799	28,769	4 pairs of classrooms with moveable walls
2.	Flex Classrooms	16	16	25	400	800	12,800		8	8	25	200	786	6,288	
3.	Small group rooms		8		-	200	1,600			8			157	1,252	
4.	Resource room	4	4	8	32	600	2,400		4	4	8	32	597	2,388	
5.	Self-contained special ed classroom	2	2	8	16	750	1,500		2	2	8	16	726	1,452	
6.	Toilet		2	-	-	50	100		-	2	-	-	56	112	
7.	Team storage		8		-	250	2,000			8		-	131	1,045	
8.	Team commons / collaboration areas		4	-	-	1,600	6,400		-	4	-	-	583	2,332	
9.	Locker commons		-	-	-	600	-			4		-	583	2,332	
10.	Toilet facilities		8	-	-	250	2,000		gender neutral	-	8	-	-	390	
11.	Outdoor learning areas / classroom														
Sub-Total:		50		1,148		51,200			50		1,148		49,086		
B.	Team Professional Areas														
1.	Teacher Work Room / team area		6	-	-	800	4,800	copy, toilet, kitchenette, dist offices, team area (30 teachers per house - 4 houses=120)	-	4	-	-	504	2,016	includes kitchenette
2.	Kitchenette/copy area		6	-	-	100	600		-	1	-	-	971	971	
3.	Teacher / student conference room		6	-	-	150	900		-	1	-	-	971	971	
4.	Storage		6		-	50	300			4		-	61	244	
5.	Toilets		12		-	50	600			4			65	260	
Sub-Total:						7,200							4,462		
C.	Science														
1.	Science lecture/lab	14	14	25	350	1,400	19,600		16	16	25	400	1,502	24,032	11 currently used as labs
2.	Science prep		7		-	260	1,820			8		-	260	2,080	
3.	Science storage		7		-	180	1,260			8		-	183	1,464	
4.	Greenhouse		1		-	200	200					-	-	-	
Sub-Total:		14		350		22,880			16		400		27,576		

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas						NOTES	Actual Areas (Westwood)						NOTES
		SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
		teaching	total	each	total	each	total		teaching	total	each	total	each	total	
D. Career and Tech Ed															
1.	CTE Flex Lab	6	6	25	150	1,400	8,400	on level 1 - big doors, outdoor space / storage			-	-	-	-	
2.	Project storage		6		-	220	1,320				-	-	-	-	
3.	Material storage		6		-	220	1,320				-	-	-	-	
4.	Outdoor storage		6		-	220	1,320				-	-	-	-	
5.	Think tank	-	2	-	-	1,000	2,000		-	2	-	-	982	1,963	
7.	Studio / Video Production	-	1	-	-	1,000	1,000		-	1	-	-	971	971	
8.	CTE lab	-	-	-	-	1,200	-		1	1	25	25	1,220	1,220	
9.	Storage	-	-	-	-	100	-		-	1	-	-	97	97	
10.	CATE	-	-	-	-	800	-		1	1	25	25	800	800	
11.	GEAR UP	-	-	-	-	800	-		1	1	25	25	827	827	
12.	Health science	-	-	-	-	1,200	-		1	1	25	25	1,220	1,220	
13.	Storage	-	-	-	-	100	-		-	1	-	-	103	103	
14.	Lockers	-	-	-	-	100	-		-	1	-	-	97	97	
15.	Sports medicine	-	-	-	-	1,000	-		1	1	25	25	992	992	
16.	Engineering technologies	-	-	-	-	1,200	-		1	1	25	25	1,216	1,216	
17.	Storage	-	-	-	-	100	-		-	2	-	-	100	200	
18.	Business marketing	3	3	25	75	1,000	3,000		3	3	25	75	1,067	3,200	
19.	Storage	-	3	-	-	100	300		-	1	-	-	97	97	
											-	-	-	-	
Sub-Total:		9			225		18,660		9			225		13,003	
E. Special Education															
								inclusive model							
1.	SSP classroom	2	2	8	16	1,000	2,000	specialized support program	2	2	8	16	958	1,916	
2.	Changing room		1			220	220	\	-	1	-	-	220	220	shared between TMD rooms
3.	BSP classroom	1	1	8	8	750	750	behavioral support program	1	1	8	8	749	749	
4.	Toilet		1		-	60	60		-	1	-	-	56	56	
5.	Isolation room		-		-	60	-		-	1	-	-	59	59	
6.	Teaching Kitchen		1			750	750		-	1	-	-	728	728	
7.	LIS Classroom	1	1	8	8	1,200	1,200	low incidence support	1	1	8	8	1,207	1,207	
8.	Storage		1			200	200	equipment storage	-	1	-	-	70	70	
9.	Changing room		1			220	220		-	1	-	-	224	224	shared with Multi-disability
10.	Multi-Categorical (Mulit-Cat)	1	1	8	8	850	850		1	1	8	8	834	834	
11.	Isolation room		-		-	60	-		-	2	-	-	61	122	
12.	Sensory room		1		-	150	150		-	-	-	-	-	-	
Sub-Total:		5			40		6,400		5			40		6,185	

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas				NOTES	Actual Areas (Westwood)				NOTES
1700	planned students, grades 9-12	SPACES		STUDENTS			SPACES		STUDENTS		
		teaching	total	each	total		teaching	total	each	total	
2100	core capacity										
F. Special Ed Professional Area											
1.	Waiting Area	1		-	200	200	1		-	183	183
2.	School Psychologist's office	1		-	150	150	1		-	148	148
3.	Itinerant Office	1		-	150	150	1		-	152	152
4.	Conference room	1		-	250	250	1		-	259	259
5.	Records	1		-	160	160	1		-	166	166
6.	Therapy	1		-	400	400	1		-	148	148
7.	Sp Ed Storage	1		-	400	400	1		-	383	383
8.	Speech	1		-	150	150	1		-	148	148
9.	Teacher Workroom	1		-	450	450	1		-	445	445
10.	Transition specialist	1		-	150	150	1		-	445	445
11.	Toilet	1		-	50	50	1		-	56	56
									-	-	
	Sub-Total:	11		-	2,510				-	2,533	
Total student learning spaces:		78		1,763	108,850		80		1,813	102,845	

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas				NOTES	Actual Areas (Westwood)				NOTES				
1700	planned students, grades 9-12	SPACES		STUDENTS		NET SQUARE FEET	SPACES		STUDENTS		NET SQUARE FEET				
2100	core capacity	teaching	total	each	total		teaching	total	each	total					
2 ADMINISTRATION AND STAFF SPACES															
A. Central Administrative Suite															
1.	Waiting and reception area	1		-		525	525			1	-	528	528		
2.	Administrative assistant	1		-		225	225			1	-	230	230		
3.	File storage	1		-		125	125			1	-	133	133		
4.	Principal's office	1		-		300	300			1	-	236	236		
5.	Principal's toilet	1		-		50	50			-	-	-	-		
6.	Conference room	1		-		325	325			1	-	318	318		
7.	Book keeper	1		-		225	225			1	-	213	213		
8.	Safe	1		-		90	90			1	-	87	87		
9.	Fee Clerk	1		-		100	100			1	-	100	100		
10.	Attendance office	1		-		225	225			1	-	232	232		
11.	Kitchen / vending / break room	1		-		250	250			1	-	230	230		
12.	Mail / copy room	1		-		250	250			1		277	277		
13.	Toilets	2		-		50	100			2	-	80	160		
14.	Wellness room	1		-		60	60			-		-	-		
15.	Assistant Administrator	-		-		-	-			-		-	-	distributed	
16.	Testing workroom / storage	1		-		300	300	no windows, sep locks		-	1	-	304	304	
17.	In - school suspension	1		-		800	800			1		800	800		
18.	Toilet	1		-		50	50			1		56	56	with ISS	
												-			
Sub-Total:		18		-		4,000				16	-	3,904			
B Central Counseling Suite															
1.	Waiting and reception / display	1		-		300	300			-	1	-	317	317	
2.	Secretary Office	1		-		120	120			-	1	-	148	148	
3.	College Info Office	1		-		700	700			-	1	-	726	726	
4.	Shared conference room	3		-		200	600			-	3	-	193	580	
5.	SDC (Student Data Coordinator)	1		-		120	120			-	1	-	153	153	
6.	Social Work	1		-		120	120			-	2	-	152	303	
7.	Social Work Storage	1		-		100	100	pantry storage, clothing storage		-	2	-	152	303	
8.	Social Work Shared Office	1		-		250	250	4 people							
9.	Storage	1		-		200	200			-	1	-	203	203	
10.	Toilet	2		-		50	100			-		-	-	0	
												-			
Sub-Total:		13		-		2,610				12	-	2,733			

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



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SPACE DESCRIPTION		New Program Areas				NOTES	Actual Areas (Westwood)				NOTES
1700	planned students, grades 9-12	SPACES		STUDENTS			SPACES		STUDENTS		
		teaching	total	each	total		teaching	total	each	total	
2100	core capacity										
C Clinic											
1.	Waiting area/info display	1		-	175	175	1			175	175
2.	Office (nurse)	1		-	200	200	1			271	271
3.	Exam - treatment rooms	2		-	80	160	2			80	160
4.	Cot room	1		-	300	300	1			441	441
5.	Storage -supplies	1		-	75	75	1			75	75
6.	Toilet	2		-	60	120	2			63	126
Sub-Total:		8		-	1,030		8		-	1,248	
D Distributed Administration											
1.	Waiting / informal area	4		-	150	600	4		-	135	540
2.	Secretary	1		-	120	120	1		-	152	152
3.	Assistant principal's office	4		-	120	480	1		-	203	203
4.	Counselor's office	5		-	120	600	5		-	145	727
4.	CDF Specialist	3		-	120	360	2		-	152	304
5.	Work based --- office	1		-	120	120	2		-	152	304
6.	Itinerant Office	6		-	120	720	-		-	-	-
7.	Offices	5		-	120	600	5			171	854
8.	Assistant Administrator Office	4		-	120	480	4		-	122	488
9.	SRO Office	2		-	120	240	3		-	139	417
10.	SRO Waiting area	-		-	-	-	1		-	72	72
11.	Sp Ed testing room	1		-	200	200	-	1	-	-	203
Sub-Total:		36		-	4,520		29		-	4,264	
Total admin. and staff spaces:				-	12,160		-				12,149

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas					NOTES	Actual Areas (Westwood)						NOTES	
		SPACES		STUDENTS		NET SQUARE FEET		SPACES		STUDENTS		NET SQUARE FEET			
		teaching	total	each	total	each		total	teaching	total	each	total	each		total
1700	planned students, grades 9-12														
2100	core capacity														

3

COMMUNITY AND STAKEHOLDER SPACES

A. Public areas													
1.	Lobby	1		-	3,000	3,000			1		3,118	3,118	
2.	Vending	1			175	175			1		176	176	
3.	Book store	1		-	300	300			1	-	299	299	
Sub-Total:				-	3,475				-		3,593		
B. Student services													
1.	Student activities office	1		-	1,000	1,000		-	1	-	984	984	
2.	Offices (director/student officer)	2		-	150	300		2		-	140	280	
3.	Storage	1		-	850	850		1		-	841	841	
Sub-Total:				-	2,150				-		2,105		
C. Cafeteria													
also serves as bus loading area (800-900 students)													
1.	Commons cafeteria / MPR	1		-	10,500	10,500	1 lunch period but students 2/3 eat elsewhere	1			9,861	9,861	
2.	Outdoor dining	-		-	-	-	partially covered, equal indoor size						
Sub-Total:				-	10,500				-		9,861		
D. Kitchen													
1.	Serving area	1		-	1,400	1,400	4 serving lines + concession + mobile kiosk	1			1,375	1,375	
2.	Mobile Kiosk	1		-	-	-	quantity TBD based on school design	-	-	-	-	-	
3.	Kitchen	1		-	2,000	2,000		-	1	-	1,961	1,961	
4.	Cafeteria director's office	1		-	120	120		-	1		130	130	
5.	Storage	2		-	150	300		-	2	-	146	292	includes dry storage
6.	Cooler	1		-	150	150		-	1	-	154	154	
7.	Freezer	1		-	350	350		-	1	-	338	338	
8.	Washing and tray return	1		-	300	300		-	1	-	293	293	
9.	Staff toilets	1		-	60	60		-	1	-	56	56	
10.	Lockers	1		-	50	50		-	1	-	35	35	
11.	Custodial	1		-	80	80		-	1	-	80	80	
12.	Receiving and storage	-		-	-	-		-	-	-	-	-	see section 7
Sub-Total:					4,810						4,714		
Total community spaces:		-		-	20,935			-		-	20,273		

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas						NOTES	Actual Areas (Westwood)						NOTES
1700	planned students, grades 9-12	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
2100	core capacity	teaching	total	each	total	each	total		teaching	total	each	total	each	total	
4 MEDIA CENTER SPACES															
A. Library / Media Center		creation, collaboration, community													
1.	General collection	1		-		1,800	1,800	reduce area for books, "bookbot", distribute collaboration areas (verify area) 6000 volumes	1				7,759	7,759	
2.	Table seating	1		-		2,400	2,400	mobile furniture						-	
3.	Soft seating / café	1		-		2,400	2,400	mobile furniture						-	
4.	Small group collaboration rooms	4		-		150	600							-	
5.	Individual study area	8		-		50	400	"me" spaces, accommodate with furniture?						-	
6.	Circulation and reference desk	1		-		200	200							-	
7.	Office	1		-		200	200		1				228	228	
8.	Workroom	1		-		350	350	include high density book storage "bookbot"	1				357	357	
9.	Toilet	1		-		50	50	group toilets nearby	-	1	-	-	56	56	
Sub-Total:		-		-		8,400			-		-		8,400		
B. Media Technology															
1.	Journalism Classroom	1	1	25	25	800	800		1	1	25	25	672	672	
2.	Media Classroom	1	1	25	25	800	800		1	1	25	25	756	756	
3.	TV Studio		1		-	800	800		-	1	-	-	784	784	
4.	Pre-Production Room		1		-	500	500		-	1	-	-	476	476	
5.	control room		1		-	150	150			1		-	133	133	between TV studio and pre production
6.	Makerspace	-	1	-	-	1,000	1,000		-	1	-	-	992	992	
7.	Storage		1		-	200	200			1		-	295	295	
8.	File server room		-		-	-	-					-	-	-	see section 7
Sub-Total:		2		50		4,250					50		4,108		
Total media center spaces:		2		50		12,650			-		50		12,508		

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas						NOTES	Actual Areas (Westwood)						NOTES
1700 2100	planned students, grades 9-12 core capacity	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
		teaching	total	each	total	each	total		teaching	total	each	total	each	total	
6 FITNESS AND WELLNESS SPACES															
A. Gymnasiums															
1.	Main Gymnasium	2	1	50	50	15,500	15,500	top loaded gym is preferred - 2500 seats, multi-media capability, high quality sound system 250-300 seats include bleacher seating mats on surrounding walls, mat hoist	2	1	50	50	15,182	15,182	1582 on floor + mezzanine seating
2.	Auxiliary Gymnasium	1	1	25	25	6,800	6,800		1	1	25	25	6,826	6,826	
3.	Gym Mezzanine / Track	-	1	-	-	3,000	3,000			1	-	-	3,142	3,142	
4.	Wrestling/ Multi-purpose room	1	1	25	25	1,800	1,800		1	1	25	25	1,869	1,869	
5.	Storage: main gymnasium		1		-	1,000	1,000			8		-	141	1,128	
6.	Storage: auxiliary gymnasium		1		-	200	200			1		-	96	96	
7.	Storage: wrestling room		1		-	200	200			1		-	197	197	
Sub-Total:		4				100			4				100		28,440
B. Gymnasium support															
1.	Lobby		1		-	1,200	1,200			1		-	1,286	1,286	
2.	Toilets		2		-	300	600		-	2	-	-	304	608	
3.	Concessions		1		-	200	200			1		-	188	188	
4.	Tickets		1		-	75	75			1		-	71	71	
														-	
Sub-Total:						-	2,075						-	2,153	
C. Locker facilities															
1.	Wellness lockers : Boys		1		-	1,300	1,300		-	1	-	-	1,302	1,302	
2.	Toilets: Boys		1		-	160	160		-	1	-	-	158	158	
3.	Showers: Boys		1		-	220	220		-	1	-	-	215	215	
4.	Office		1		-	90	90			1		-	87	87	
5.	Wellness lockers : Girls		1		-	1,300	1,300		-	1	-	-	1,302	1,302	
6.	Toilets: Girls		1		-	160	160		-	1	-	-	160	160	
7.	Showers: Girls		1		-	220	220		-	1	-	-	232	232	
8.	Office		1		-	90	90			1		-	87	87	
9.	Team lockers : Boys		1		-	2,150	2,150		-	1	-	-	2,147	2,147	
10.	Toilets: Boys		1		-	200	200		-	1	-	-	192	192	
11.	Showers: Boys		1		-	240	240		-	1	-	-	240	240	
12.	Office		1		-	100	100			1		-	100	100	
13.	Team lockers : Girls		1		-	2,150	2,150		-	1	-	-	2,081	2,081	
14.	Toilets: Girls		1		-	200	200		-	1	-	-	192	192	
15.	Showers: Girls		1		-	240	240		-	1	-	-	240	240	
16.	Office		1		-	100	100			1		-	100	100	
17.	Team meeting area		2	-	-	600	1,200								
18.	Gender neutral facilities		2	-	-	100	200	investigate		-	-	-	-	-	
Sub-Total:						-	10,320						-	8,835	

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



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SPACE DESCRIPTION		New Program Areas					NOTES	Actual Areas (Westwood)					NOTES		
1700	planned students, grades 9-12	SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
2100	core capacity	teaching	total	each	total	each	total		teaching	total	each	total	each	total	
D. Coaches and support spaces															
1.	Athletic director's office	1		-		200	200	includes safe with shower	1		-		381	381	
	Storage	1		-		30	30								
	Toilet	1		-		70	70								
2.	Coach's office	1		-		800	800	base on RNE high school, 6 tapping tables	1		-		776	776	
3.	Lockers	2		-		80	160		2				91	182	
4.	Toilet / shower	2		-		80	160		2				85	170	
5.	Trainer's room	1				1,000	1,000		1				542	542	
6.	Laundry	1		-		200	200		1		-		233	233	
7.	Uniform and equipment storage	1		-		1,200	1,200		1		-		1,212	1,212	
	Sub-Total:			-		3,820						-		3,496	
E. Fitness and Wellness															
1.	Weight room	1		-		3,500	3,500		1				2,054	2,054	
2.		-	-	-		-	-		-	-	-	-	-	-	
	Sub-Total:			-		3,500					-		2,054		
F. JROTC															
								trophy display							
1.	Classroom	2	2	25	50	800	1,600	dedicated outdoor space (see Ridgeview) 25' range	2	2	25	50	786	1,572	
2.	Firing Range		1			1,000	1,000								
3.	Armory		1			150	150								
4.	Office		1		-	225	225		1				234	234	
5.	Storage		1		-	200	200		1				329	329	
	Sub-Total:	2			50		3,175		2			50		2,135	
G Exterior Facilities															
1.	Football / soccer stadium	1						See item H below			-		-	-	
2.	400 meter track	1									-		-	-	
3.	Field house	1									-		-	-	
4.	Football grandstands	1						pre-manufactured metal building			-		-	-	
5.	Exterior Storage Building	1				1,400	1,400								
6.	Baseball/Softball Concessions/Toilets/Storage	1				1,000	1,000								
7.	Softball field	1									-		-	-	
8.	Baseball field	1									-		-	-	
9.	Batting cage	2													
10.	Tennis	6						Lights			-		-	-	
11.	Practice fields	2						Light one field			-		-	-	
12.	Shot Put	1													
13.	Discus	1													
14.	High jump, pole vault, long jump, triple jump	1						one each, off of main field							
15.	Bus parking / queuing	1									-		-	-	

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas				NOTES	Actual Areas (Westwood)				NOTES		
1700	planned students, grades 9-12	SPACES		STUDENTS			SPACES		STUDENTS		NET SQUARE FEET		
2100	core capacity	teaching	total	each	total		each	total	each	total			
16.	Student parking		1						-	-	-		
17.	Faculty parking		1						-	-	-		
18.													
	Sub-Total:			-	2,400				-		-		
H. Fieldhouse													
1.	Weight Room		1		2,500	2,500							
2.	Team Lockers		2		1,200	2,400						includes toilets/showers	
3.	Training Room		1		800	800							
4.	Office		2		150	300							
5.	Equipment Storage		1		1,000	1,000							
6.	Concessions		1		300	300						includes storage @ 100 SF	
7.	Public Toilets		2		300	600							
8.	Mechanical Room		1		400	400							
	Sub-Total:					8,300							
Total fitness and wellness spaces:		6		150		62,090			6	150	47,113		

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas						NOTES	Actual Areas (Westwood)						NOTES	
		SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET			
1700	planned students, grades 9-12	teaching	total	each	total	each	total		teaching	total	each	total	each	total		
2100	core capacity															
6 PERFORMING AND VISUAL ART SPACES																
A. Performing Arts																
1.	Performance band room	1	1	25	25	2,300	2,300	proximity to outdoor practice, loading area	1	1	25	25	2,265	2,265		
2.	Instrument storage room		1			500	500		-	1	-	-	-	397	397	
3.	Uniform storage		1			175	175		-	1	-	-	-	170	170	
4.	Orchestra room	1	1	25	25	1,700	1,700		1	1	25	25	1,688	1,688		
5.	Instrument storage room		1			350	350		-	1	-	-	-	351	351	
6.	Choir room	1	1	25	25	1,400	1,400		1	1	25	25	1,352	1,352		
7.	Uniform storage		1			150	150		-	1	-	-	-	145	145	
8.	Music Office	-	3	-	-	100	300		-	3	-	-	-	165	495	
9.	Music library: sheet music		1			125	125		-	1	-	-	-	112	112	
10.	Practice room : ensemble		1			350	350		-	1	-	-	-	341	341	
11.	Practice room : small		4			90	360		window for supervision	-	4	-	-	92	369	
12.	Dance Studio	1	1	25	25	2,000	2,000			1	1	25	25	1,939	1,939	
13.	closets/storage	-	4	-	-	25	100	-		4	-	-	-	25	98	
14.	Drama	1	1	25	25	1,200	1,200	1		1	25	25	1,192	1,192		
15.	closets/storage		7	-	-	25	175	-		7	-	-	-	26	183	
16.	Toilet Rooms		2	-	-	200	400		2		-	-	238	475		
Sub-Total:		5			125		11,585		5			125		11,572		
B. Visual Arts																
display cases																
1.	Art Classroom	4	4	25	100	1,200	4,800		4	4	25	100	1,181	4,725	includes digital design	
2.	Art storage		3			200	600		-	3	-	-	-	197	592	
3.	Kiln room		1			100	100		-	1	-	-	-	91	91	
4.	Clay room		1			100	100		-	1	-	-	-	113	113	
Sub-Total:		4			100		5,600		4			100		5,521		
C. Arts Professional Areas																
1.	Teacher workroom		-			500	-		locate a distributed teacher workroom from section 1 in this area	1		-	-	483	483	
2.	Storage		-			25	-	3			-	-	25	75		
3.	Toilet		-			50	-	1			-	-	56	56		
Sub-Total:			-		-	-	-					-		614		

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

Columbia, South Carolina



SPACE DESCRIPTION		New Program Areas						NOTES	Actual Areas (Westwood)						NOTES
		SPACES		STUDENTS		NET SQUARE FEET			SPACES		STUDENTS		NET SQUARE FEET		
		teaching	total	each	total	each	total		teaching	total	each	total	each	total	
1700	planned students, grades 9-12														
2100	core capacity														
D. Theater															
1.	Lobby	1	-	-	-	1,200	1,200		-	1	-	-	1,286	1,286	
2.	Toilets	2	-	-	-	350	700		-	2	-	-	382	764	
3.	Ticket booth	1	-	-	-	70	70		-	1	-	-	71	71	
4.	Theater house	1	-	-	-	4,600	4,600		-	1	-	-	4,576	4,576	
5.	Stage	1	-	-	-	2,700	2,700		-	1	-	-	2,712	2,712	
6.	Control Room	1	-	-	-	225	225		-	1	-	-	224	224	
7.	Follow spot room	1	-	-	-	225	225		-	1	-	-	224	224	
8.	Scene shop / storage	1	-	-	-	1,000	1,000		-	1	-	-	982	982	
9.	Prop storage	1	-	-	-	500	500		-	-	-	-	-	-	
9.	Piano storage	1	-	-	-	125	125			1	-	-	126	126	
10.	Acoustical shell/ riser storage	1	-	-	-	200	200			-	-	-	-	-	
11.	Dimmer room	1	-	-	-	125	125			1	-	-	124	124	
12.	Dressing rooms	2	-	-	-	550	1,100	near backstage and drama/dance classroom	-	2	-	-	548	1,095	
13.	Toilets	2	-	-	-	100	200		-	2	-	-	100	200	
14.	Gender neutral facilities														
	Sub-Total:	-		-		12,970			-		-		12,383		
Total arts spaces:															
		9		225		30,155			9		225		30,090		

High School Model Program

Richland School District 2

June 26, 2017 Revised February 14, 2018

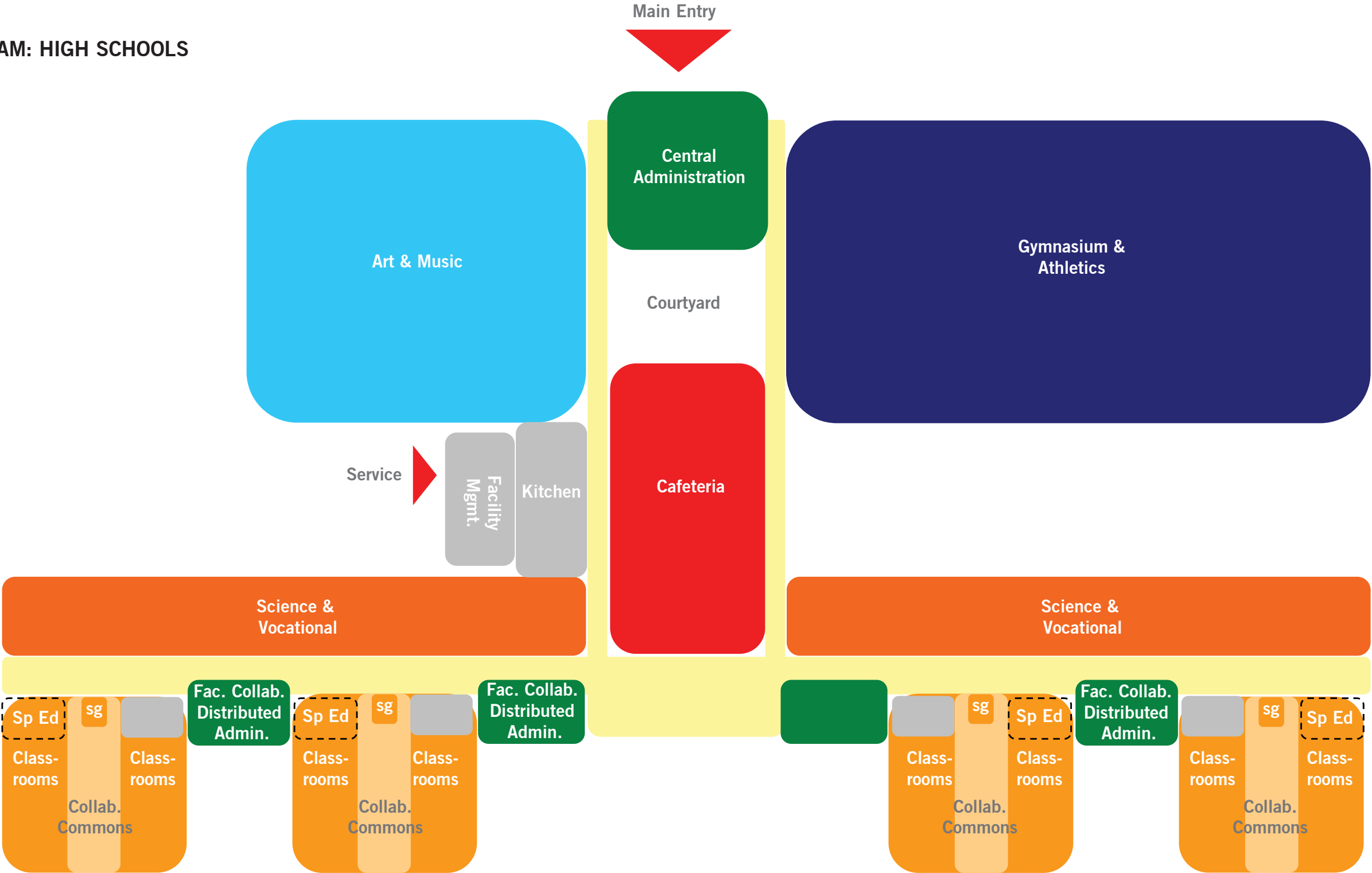
Columbia, South Carolina



PERKINS
+ WILL

SPACE DESCRIPTION		New Program Areas				NOTES	Actual Areas (Westwood)				NOTES		
1700	planned students, grades 9-12	SPACES		STUDENTS			SPACES		STUDENTS			NET SQUARE FEET	
2100	core capacity	teaching	total	each	total	each	total	teaching	total	each	total		
7 FACILITY MANAGEMENT AND SUPPORT SPACES													
A. Mechanical and Custodial													
1.	Central mechanical room		1		1,000	1,000		1		1,010	1,010		
2.	Main Electrical Room		1		450	450		1		467	467		
3.	Main Data Room		1		300	300		1		306	306		
4.	Fire Pump Room		1		175	175		1		175	175		
5.	IT Closets		12		80	960		8		110	882		
6.	Electrical Closets		12		100	1,200		12		118	1,421		
7.	Custodial closets/supplies		8		100	800		5		92	460		
8.	Custodial office		1		150	150		1		147	147		
9.	Maintenance workroom		-		225	-		1		230	230		
10.	Toilet / Lockers		1		100	100		-		-	-		
Sub-Total:		5,135				5,098							
B. Property Control													
1.	Shipping and receiving		1		450	450	1000 chromebooks plus books		1		442	442	provide receiving / dumpster yard
2.	Central book / chromebook storage		1		750	750		-	1		728	728	
3.	Building maintenance - supplies		1		350	350			1		365	365	
4.	Secured staging - storage		1		400	400			1		408	408	
5.	Exterior storage		1		450	450			1		460	460	
Sub-Total:		2,400				2,403							
C. Exterior Facilities													
1.			1		-	-				-	-	-	see section 3
2.			1		-	-				-	-	-	
3.			1		-	-				-	-	-	
Sub-Total:		-				-							excluded from building area
Total facility management and support spaces:		7,535				7,501							
TOTAL NSF													
		95	25	2,188	254,375		95	25	2,238	232,478			

MODEL PROGRAM: HIGH SCHOOLS
Level 1



MODEL PROGRAM: HIGH SCHOOLS

Level 2





4.1

Blythewood High School

BACKGROUND INFORMATION:

Address: 10901 Wilson Boulevard, Blythewood, SC 29016

Principal: Brenda Hafner

Built: 2005

Capacity: 1,700

Current Enrollment: 1,979 (over capacity)

KEY STRENGTHS:

- Beautiful natural setting
- Building organization supports interdisciplinary instruction
- Well maintained and cared for

KEY CHALLENGES:

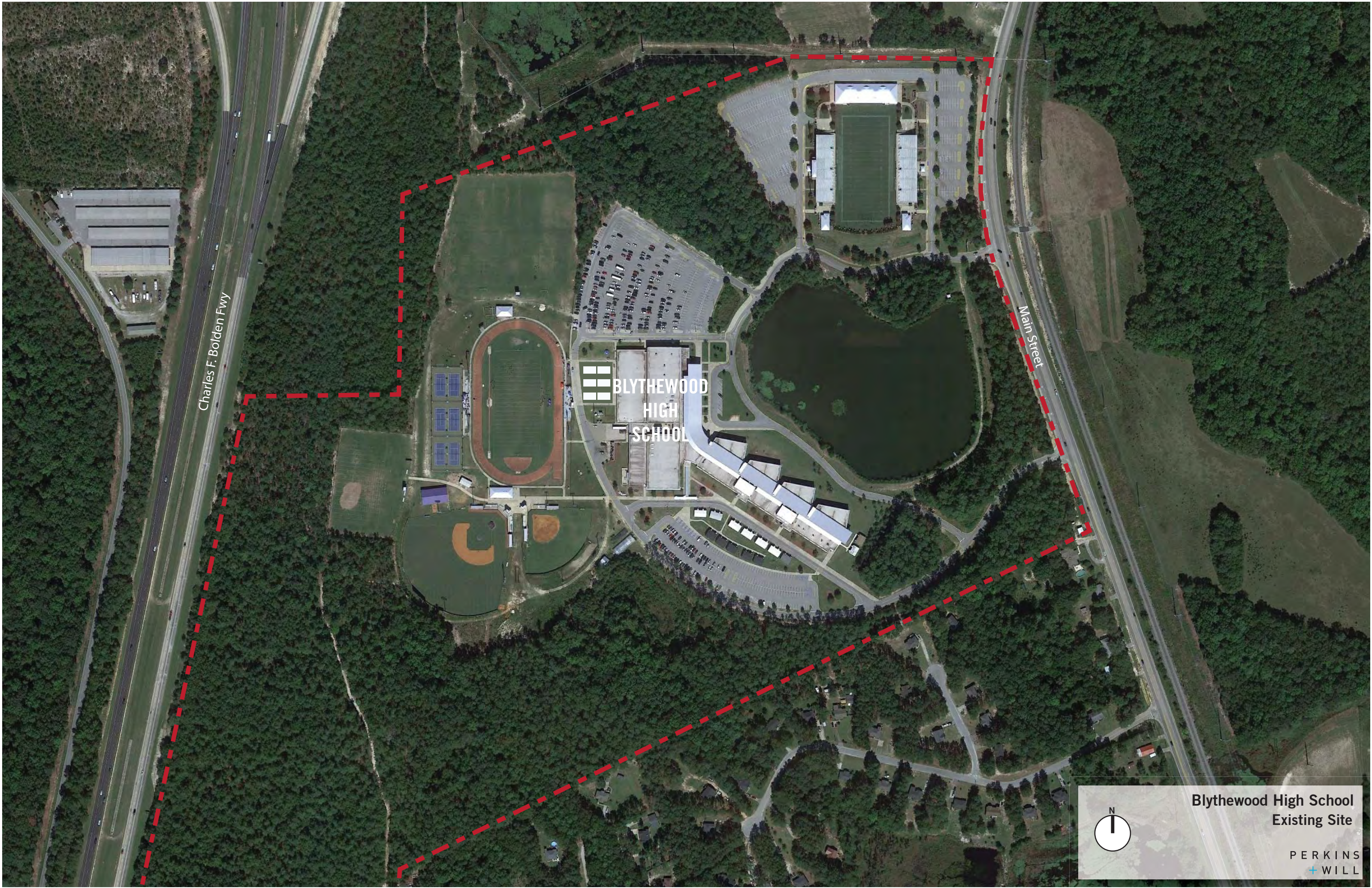
- Current enrollment larger than building capacity stresses building functions

PROGRAM DEFICIENCIES

- Core and academic spaces in building insufficient for current enrollment
- Reported vehicular queuing issues
- Would like more intentional outdoor learning venues
- Select site surface water drainage issues
- Dining area too small
- Entry security needs improvement
- Small group spaces have been coopted as offices
- Limited group collaboration spaces
- Insufficient art and music space and storage
- Weight room undersized
- Building Construction room undersized
- Athletic functions tight on space

RECOMMENDATION: ADDITION; TARGETED RENOVATION


Photo Source: <http://www.quackenbusharchitects.com/projects/blythewood-high-school/>



Charles F. Bolden Fwy

Main Street

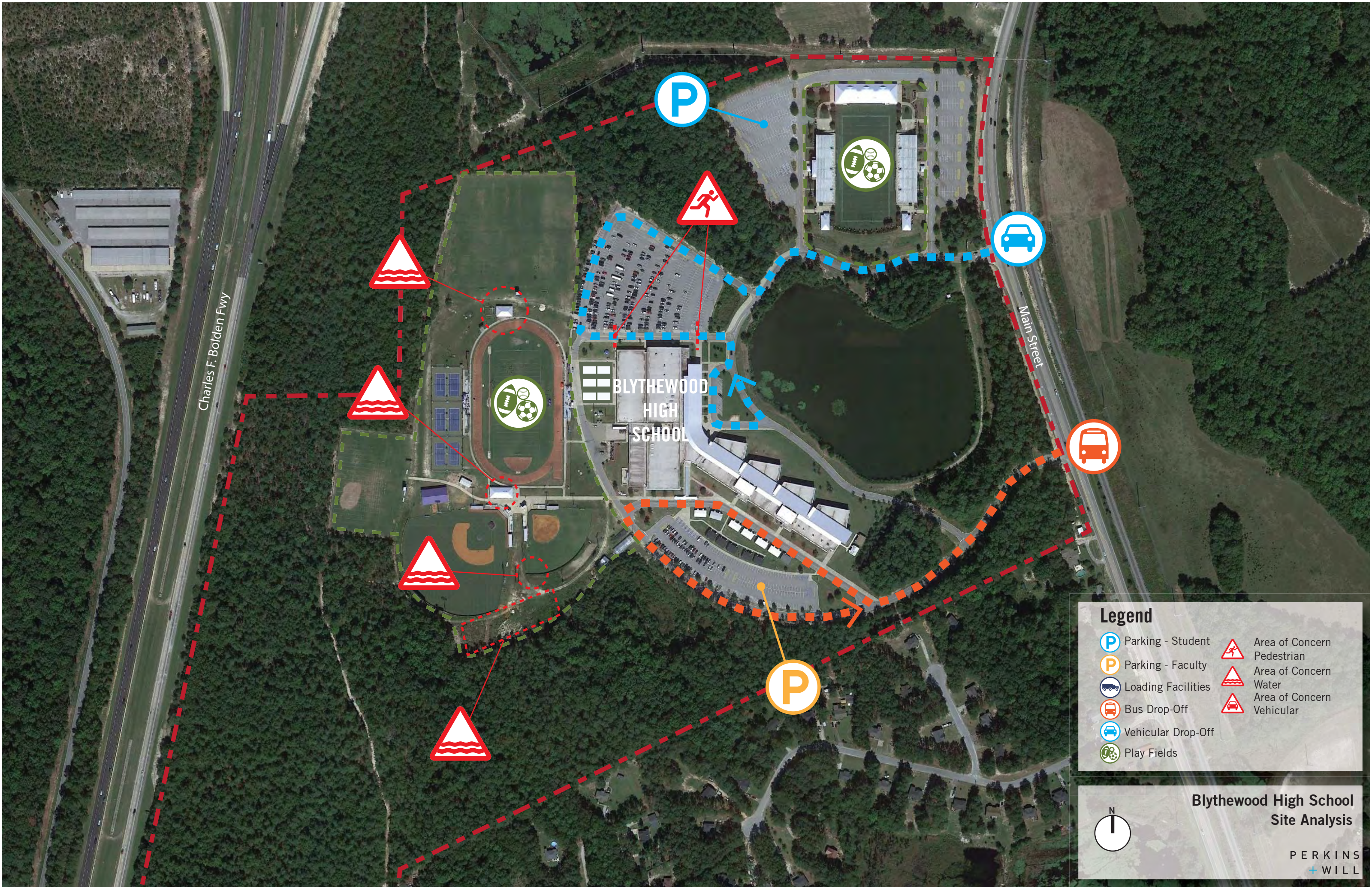
 BLYTHEWOOD
HIGH
SCHOOL



N

Blythewood High School
Existing Site

PERKINS
+ WILL



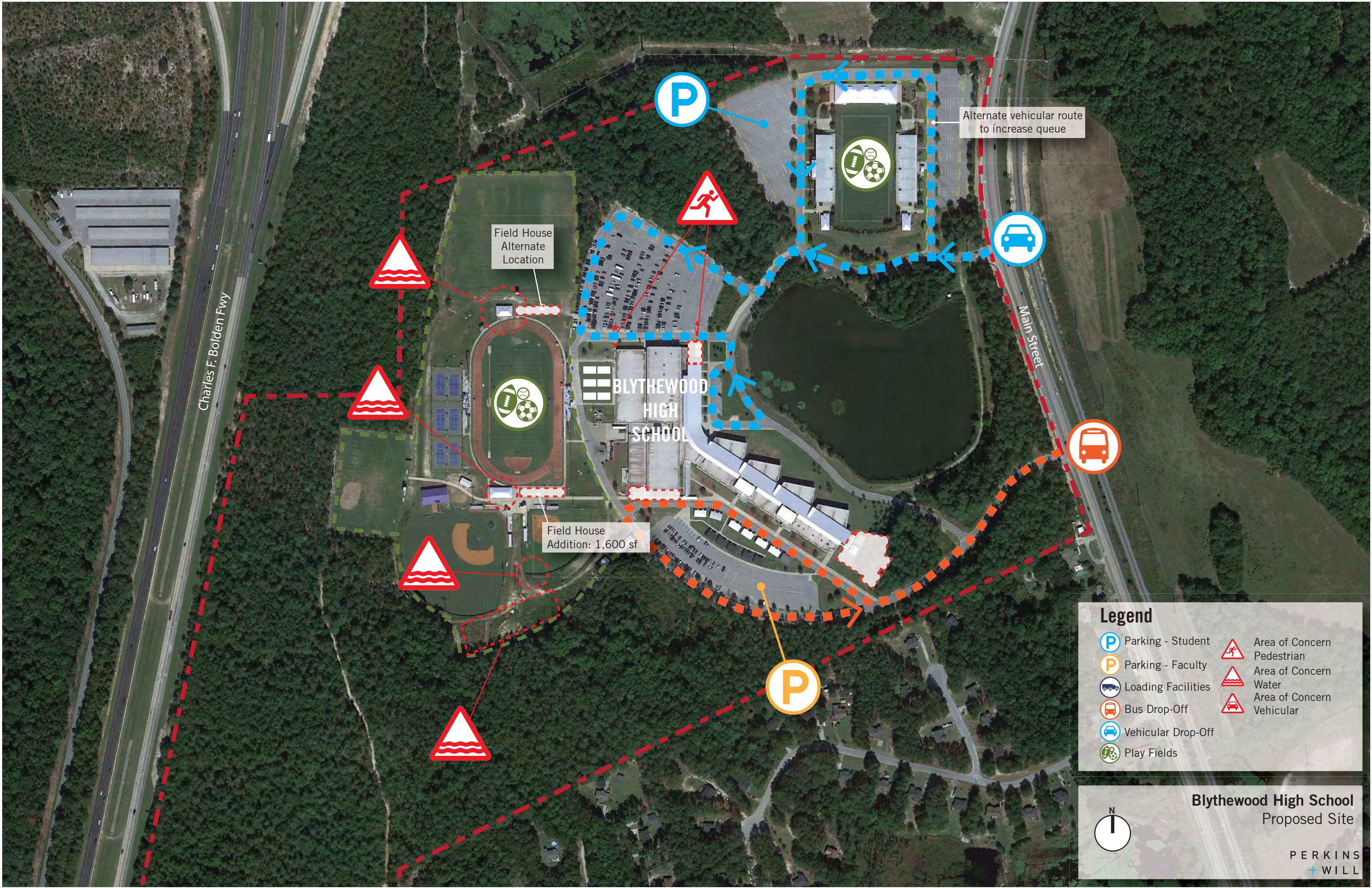
Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	










N


**Blythewood High School
Site Analysis**

PERKINS
+ WILL

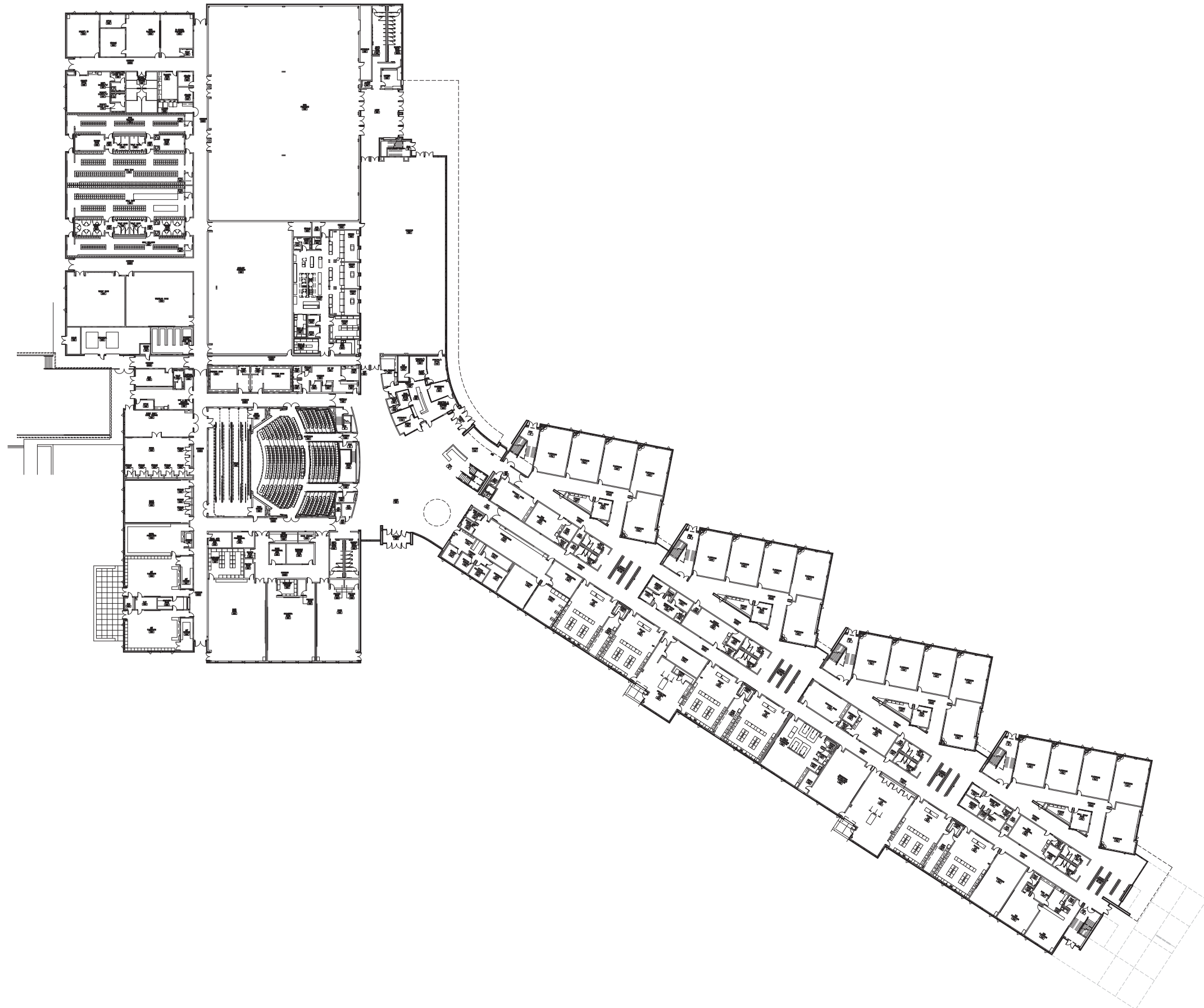


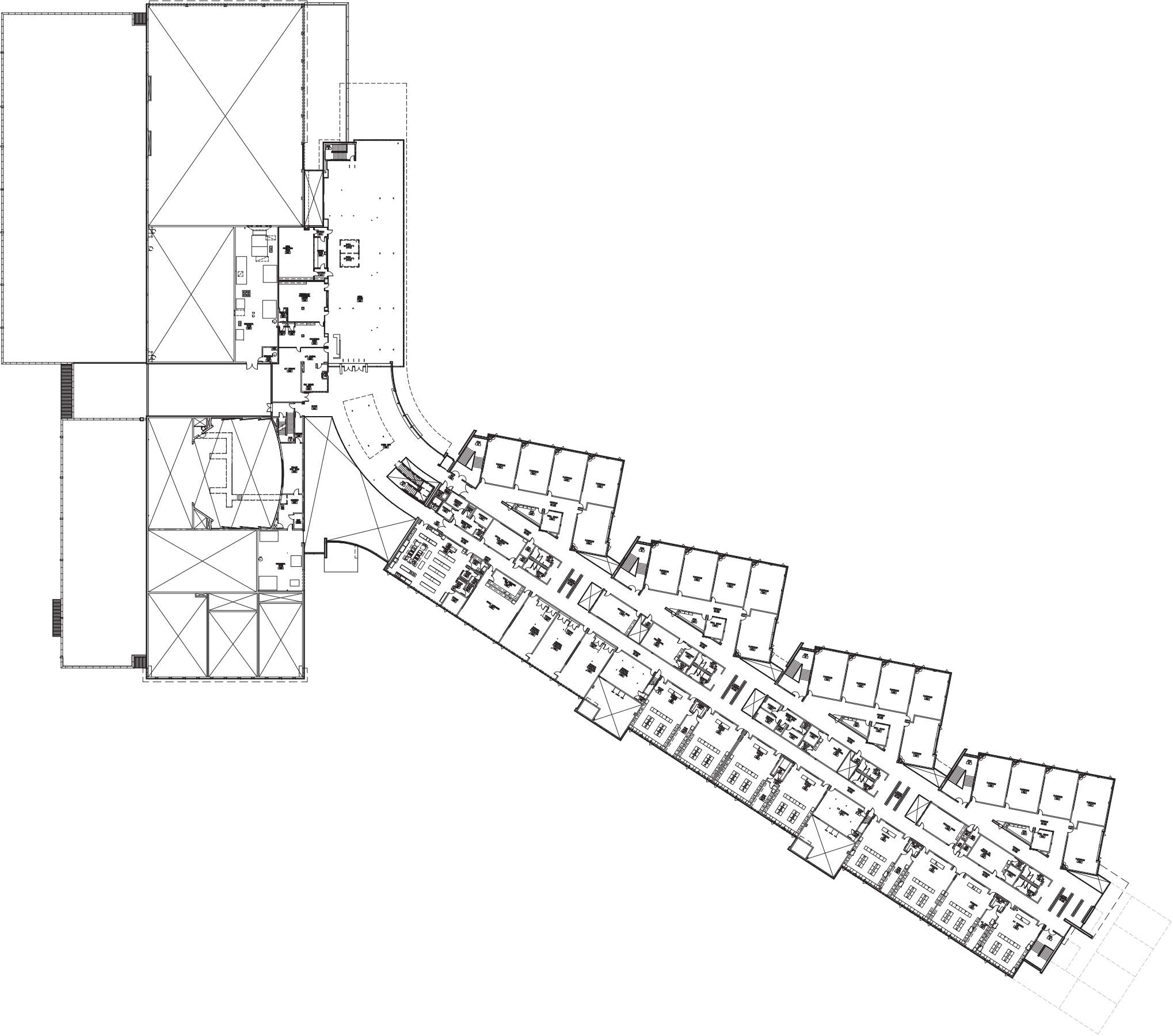
Legend

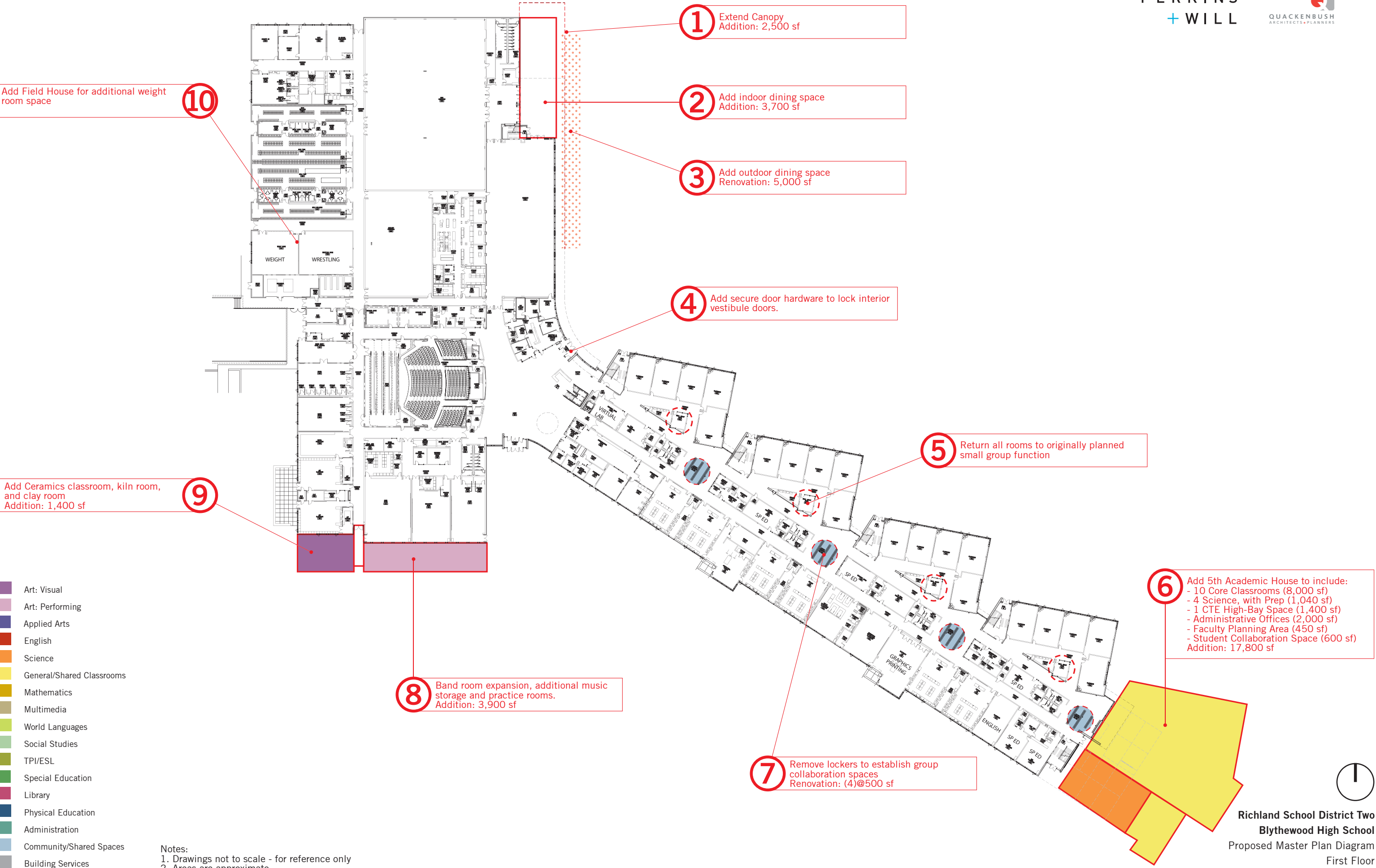
 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

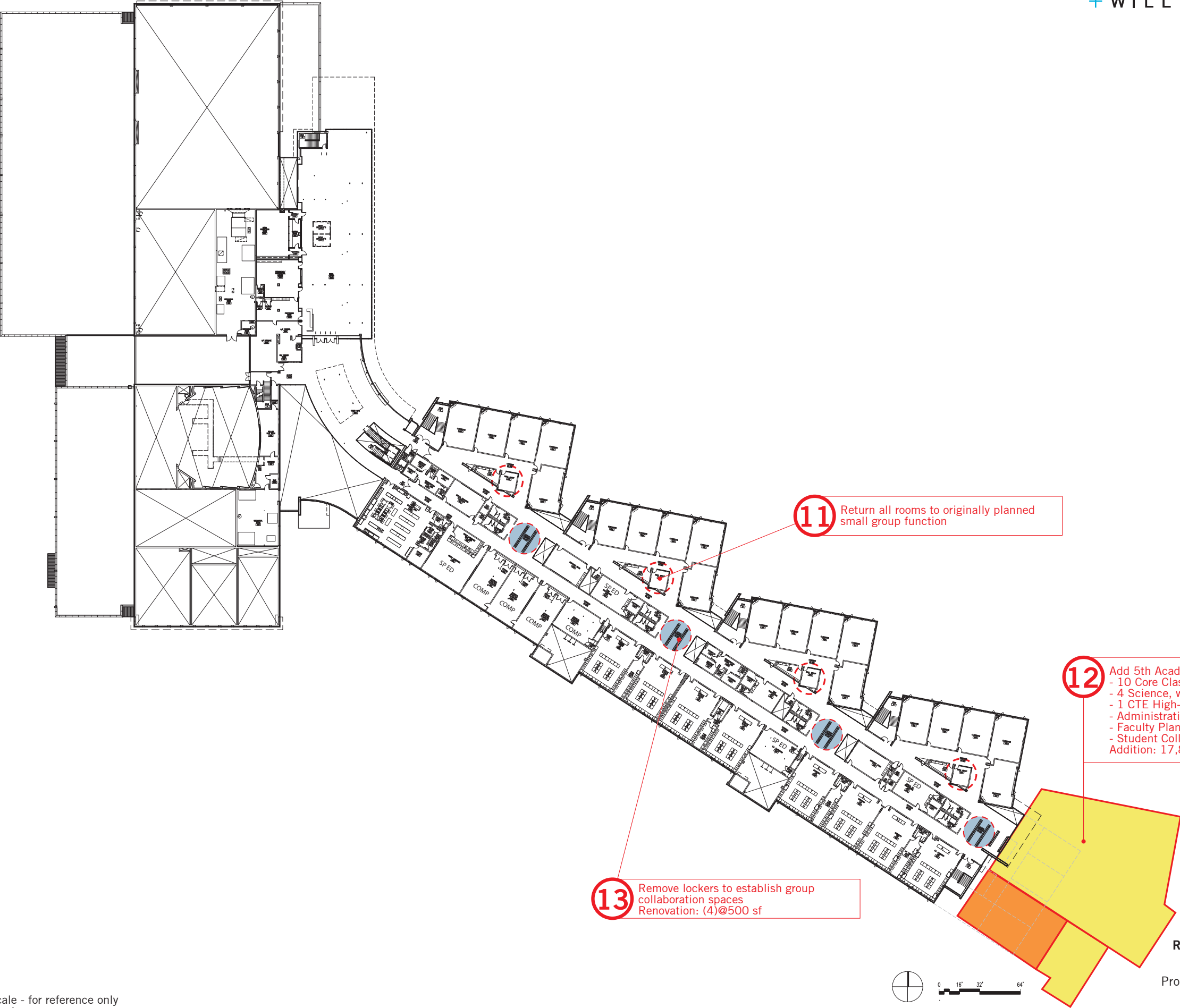
**Blythewood High School
Proposed Site**

PERKINS
+ WILL









- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
- Administration
- Community/Shared Spaces
- Building Services

Notes:
1. Drawings not to scale - for reference only
2. Areas are approximate

4.2

Richland Northeast High

BACKGROUND INFORMATION:

Address: 7500 Brookfield Road, Columbia SC 29223

Principal: Sabrina Suber

Built: 1978; Addition (Science Bldg): 2004; Addition (Auxiliary Gym): 2011; Renovation (Culinary & Health Sciences): date unknown; Renovation (Media Center): date unknown

Capacity: 1,750

Current Enrollment: 1,374

KEY STRENGTHS:

- Campus of buildings feels like a community college
- Current enrollment allows for some flexibility in future space use
- Well maintained and cared for

KEY CHALLENGES:

- Disparate buildings creates challenges for fostering interdisciplinary instruction
- ADA issues in E Building
- Lack of intentional collaboration areas

PROGRAM DEFICIENCIES

- Current multi-sport (football, soccer, track) venue is not a full stadium
- A Building – possible breaches in lobby security, lacks collaboration space
- B Building – maker space location distant from library
- C Building – lacks collaboration space, Art spaces cramped
- E Building – ADA issues, Student Activities cramped, Special Education spaces make-shift and in need of updating, lacks collaboration space, cosmetology in need of updating
- F Building – dining undersized
- Performing Arts Center – no lobby ADA access to stage, production/storage deficiencies
- Some classroom furniture replaced, continue program

RECOMMENDATION: RENOVATION/STADIUM ADDITION/F BUILDING AND THEATER ADDITION

Photo Source: <http://burkwoodconstruction.com/project/richland-ne-high-school/>





Brookfield Rd

RICHLAND NE
HIGH
SCHOOL

Faraway Dr

Nearview Ave






Richland Northeast High School
Existing Site


PERKINS
+ WILL



Legend

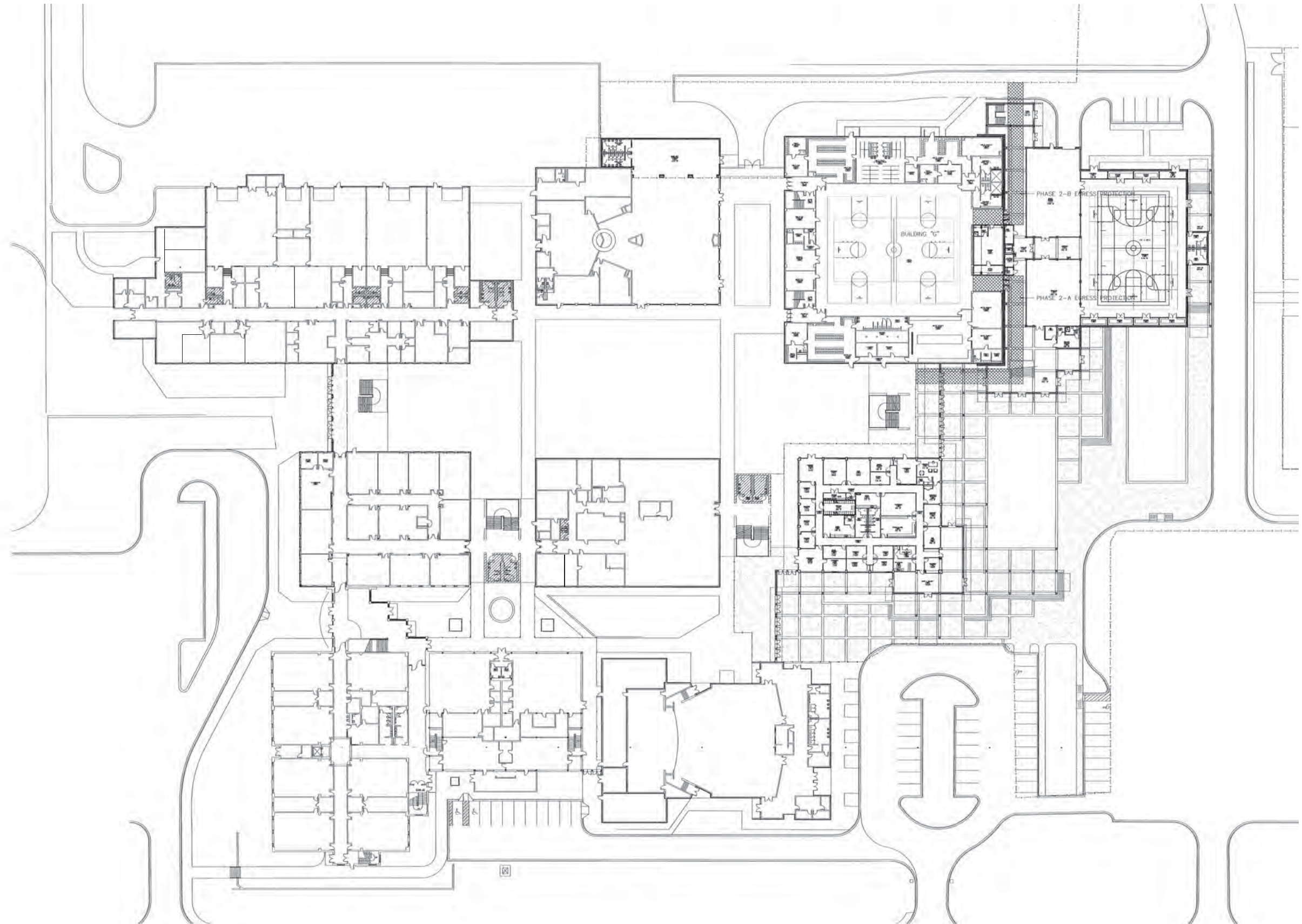
 Parking - Student	 Area of Concern Pedestrian
 Parking - Faculty	 Area of Concern Water
 Loading Facilities	 Area of Concern Vehicular
 Bus Drop-Off	
 Vehicular Drop-Off	
 Play Fields	

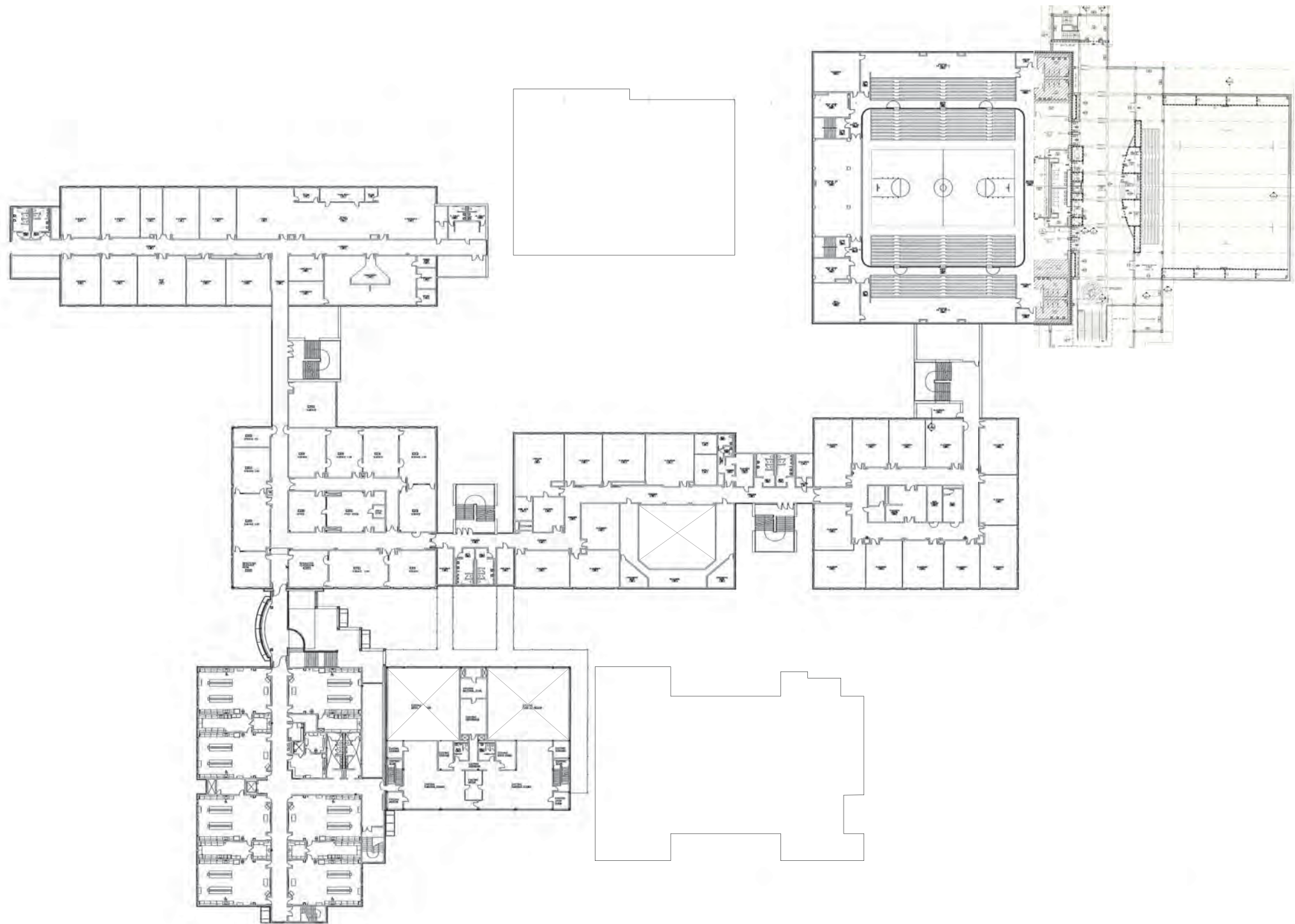
**Richland Northeast High School
Site Analysis**

 N

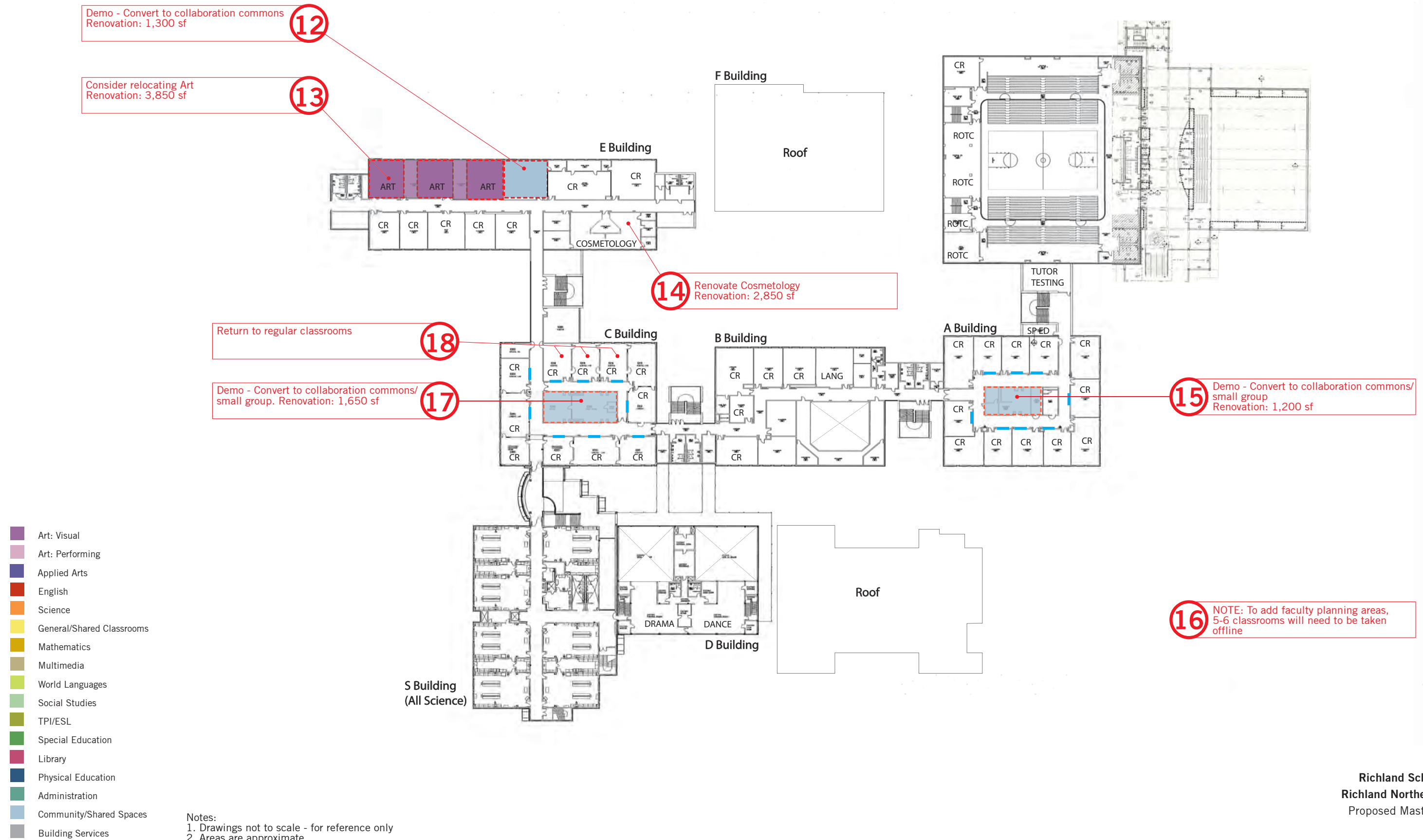
PERKINS
+ WILL











4.3

Ridge View High School

BACKGROUND INFORMATION:

Address: 4801 HardScrabble Rd, Columbia, SC 29229

Principal: Brenda Mack-Foxworth

Built: 1995; Addition (Science Bldg and Cafeteria): 2011; Renovation: (Media Center & Auditorium): 2015

Capacity: 1,700

Current Enrollment: 1,450

KEY STRENGTHS:

- Current enrollment allows for some flexibility in future space use
- Well maintained and cared for

KEY CHALLENGES:

- Lack of intentional collaboration spaces
- Theater lacks proper back-of-house functions
- Classroom furniture limits flexibility; replacement recommended
- Program deficiencies

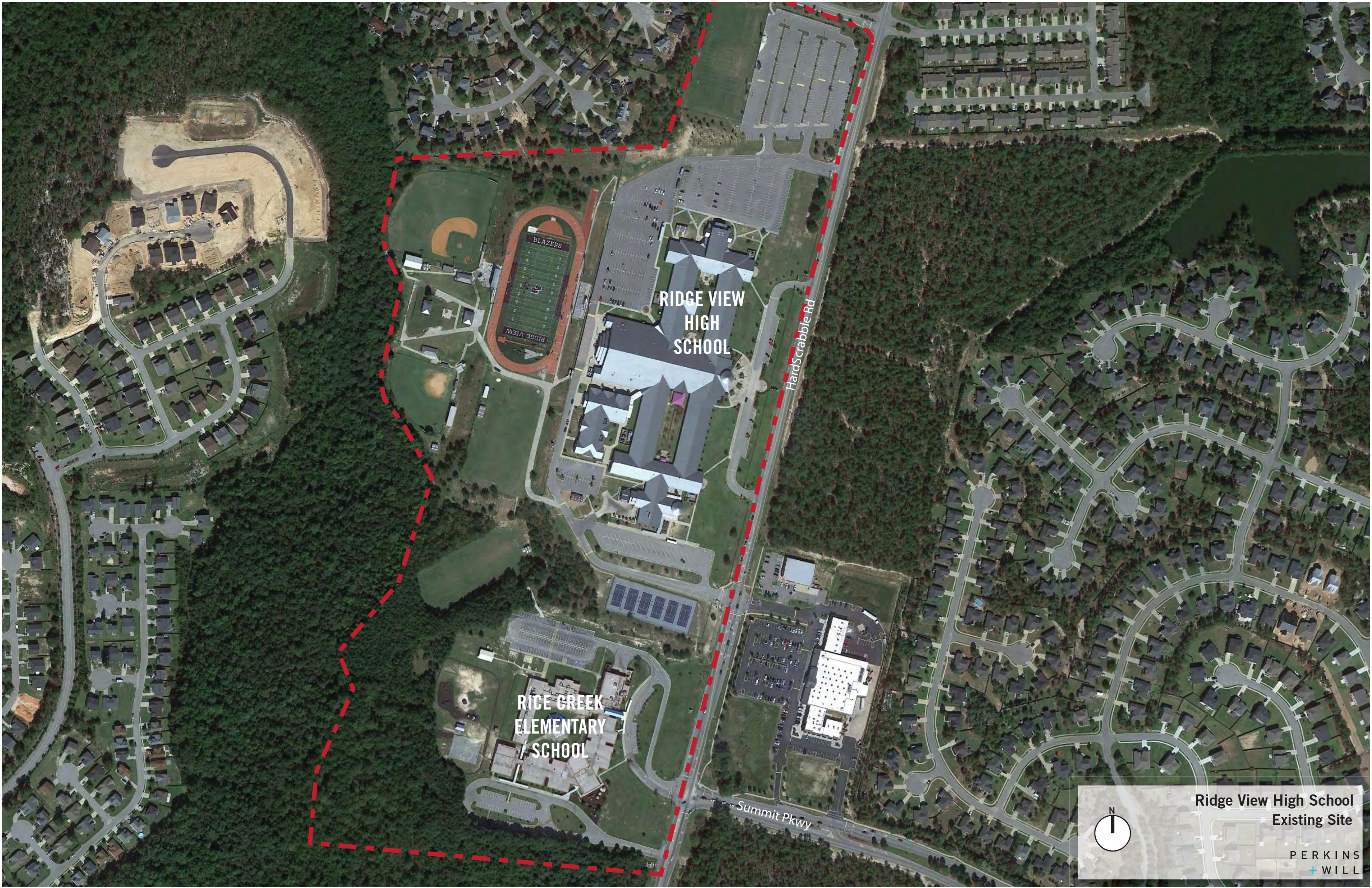
PROGRAM DEFICIENCIES:

- Current multi-sport (football, soccer, track) venue is not a full stadium
- Select site surface water drainage issues
- Limited intentional outdoor learning areas
- Lack of intentional collaboration spaces
- Weight room distant from other PE/Athletic functions
- Theater lacks proper back-of-house functions
- Music storage inadequate
- CTE spaces in need of renovation to better suit function

RECOMMENDATION: RENOVATION/STADIUM ADDITION/PERFORMING ARTS ADDITION

Photo Source: <http://wach.com/news/local/ridge-view-high-school-wins-national-public-relations-award>





RIDGE VIEW
HIGH
SCHOOL

RICE CREEK
ELEMENTARY
/ SCHOOL

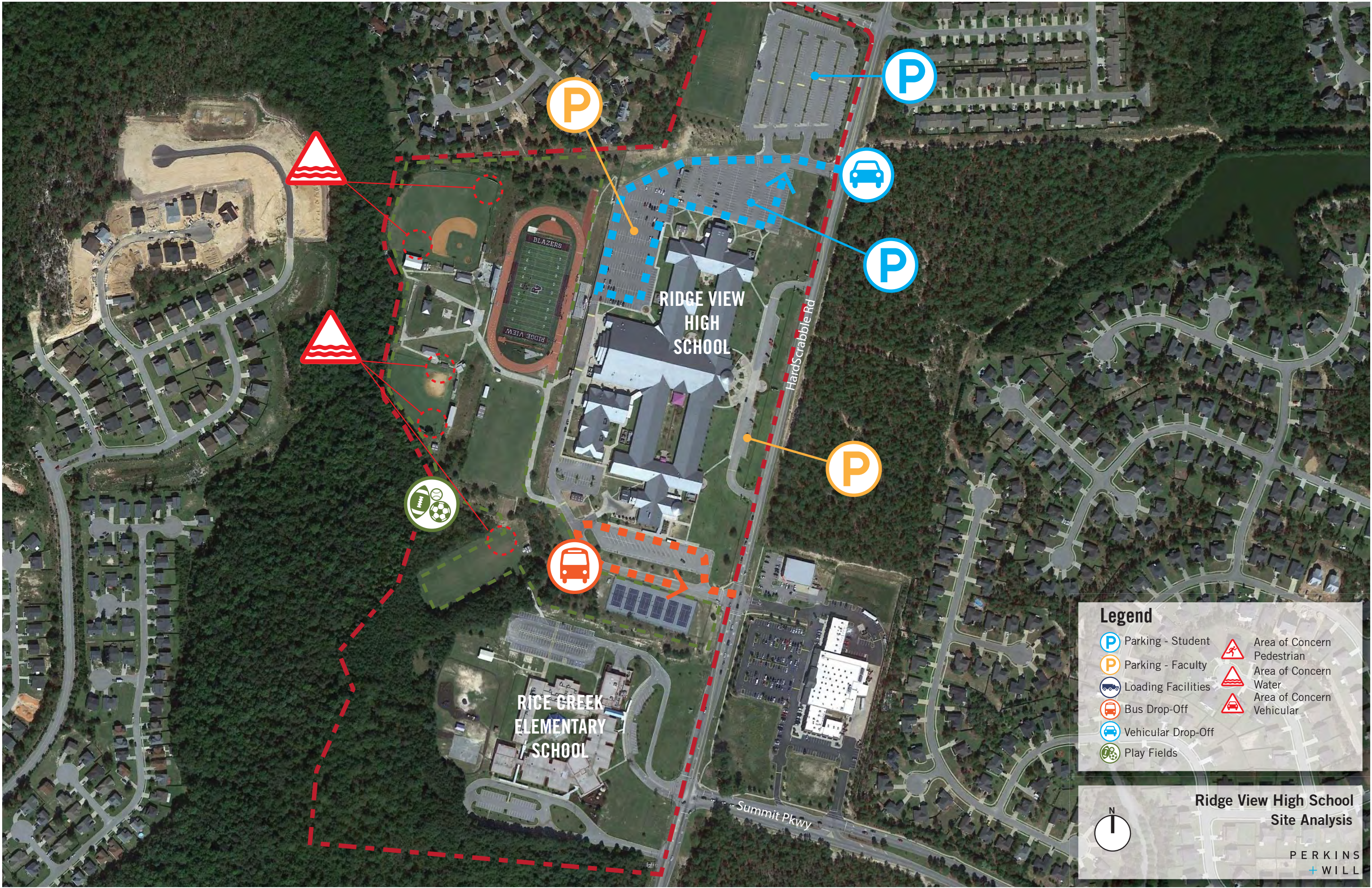
HardScrabble Rd

Summit Pkwy



Ridge View High School
Existing Site

PERKINS
+ WILL

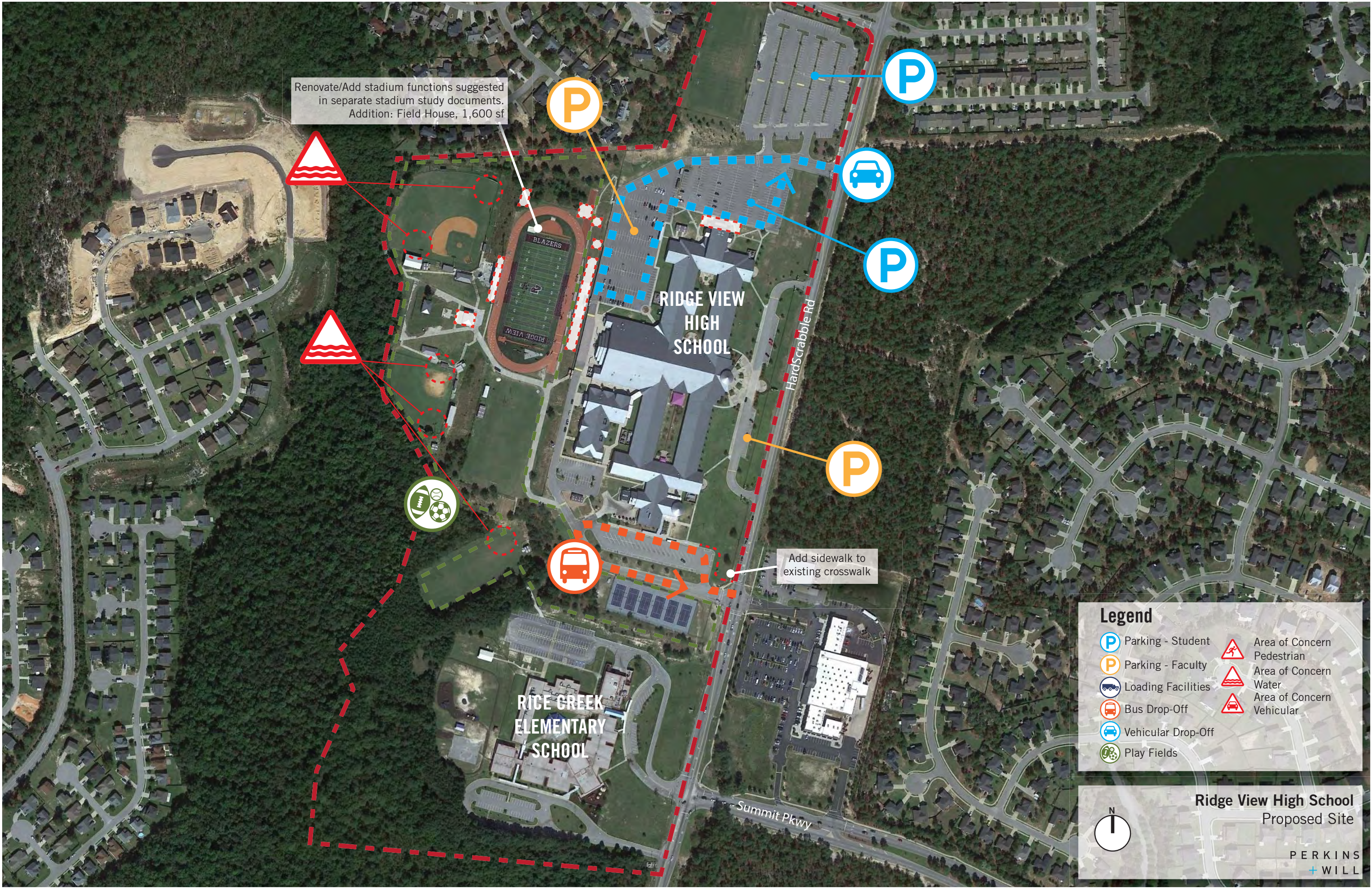


Legend

	Parking - Student		Area of Concern Pedestrian
	Parking - Faculty		Area of Concern Water
	Loading Facilities		Area of Concern Vehicular
	Bus Drop-Off		
	Vehicular Drop-Off		
	Play Fields		

Ridge View High School Site Analysis

PERKINS + WILL



Renovate/Add stadium functions suggested
in separate stadium study documents.
Addition: Field House, 1,600 sf

RIDGE VIEW
HIGH
SCHOOL

RICE CREEK
ELEMENTARY
SCHOOL

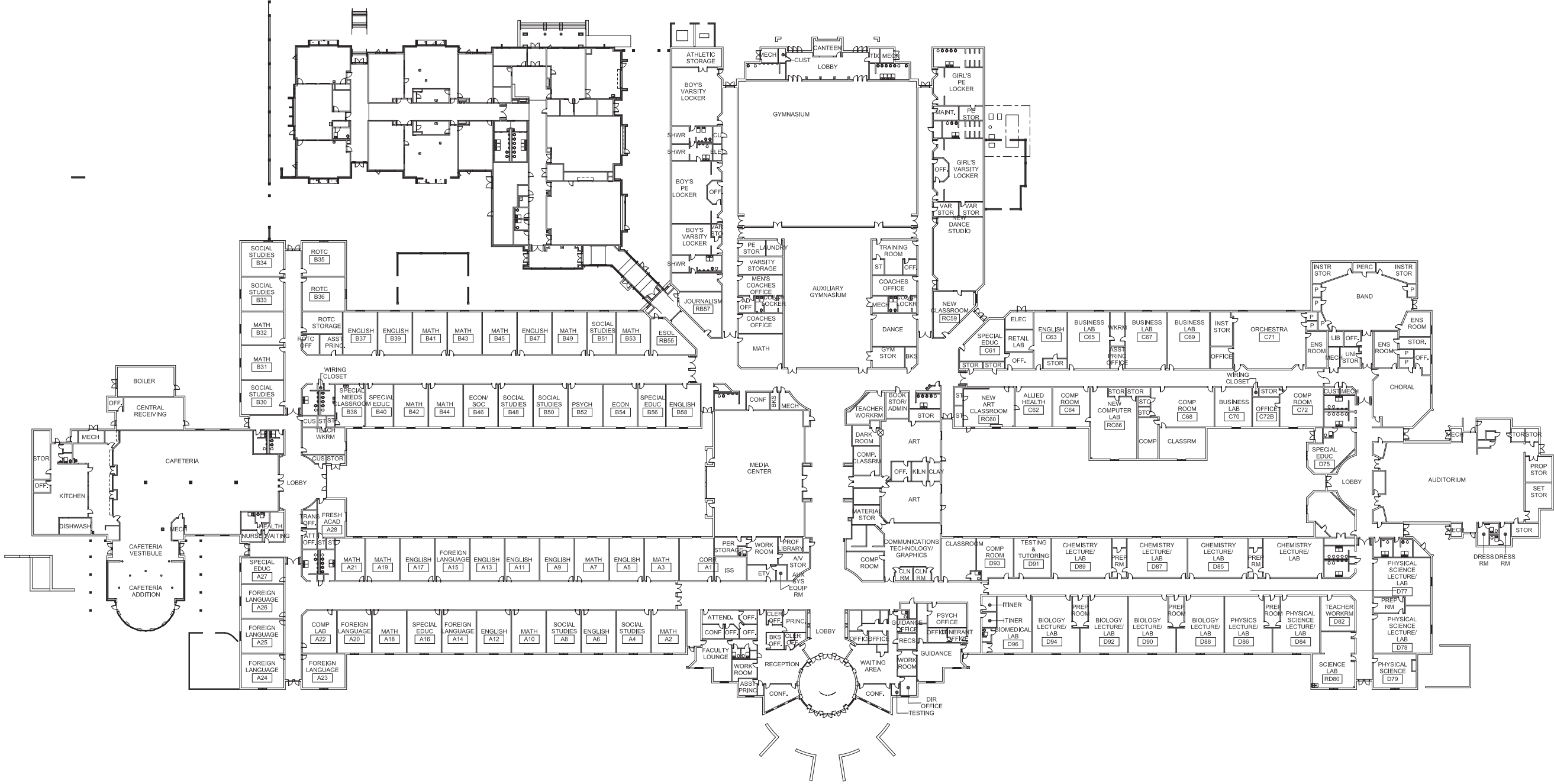
Add sidewalk to
existing crosswalk

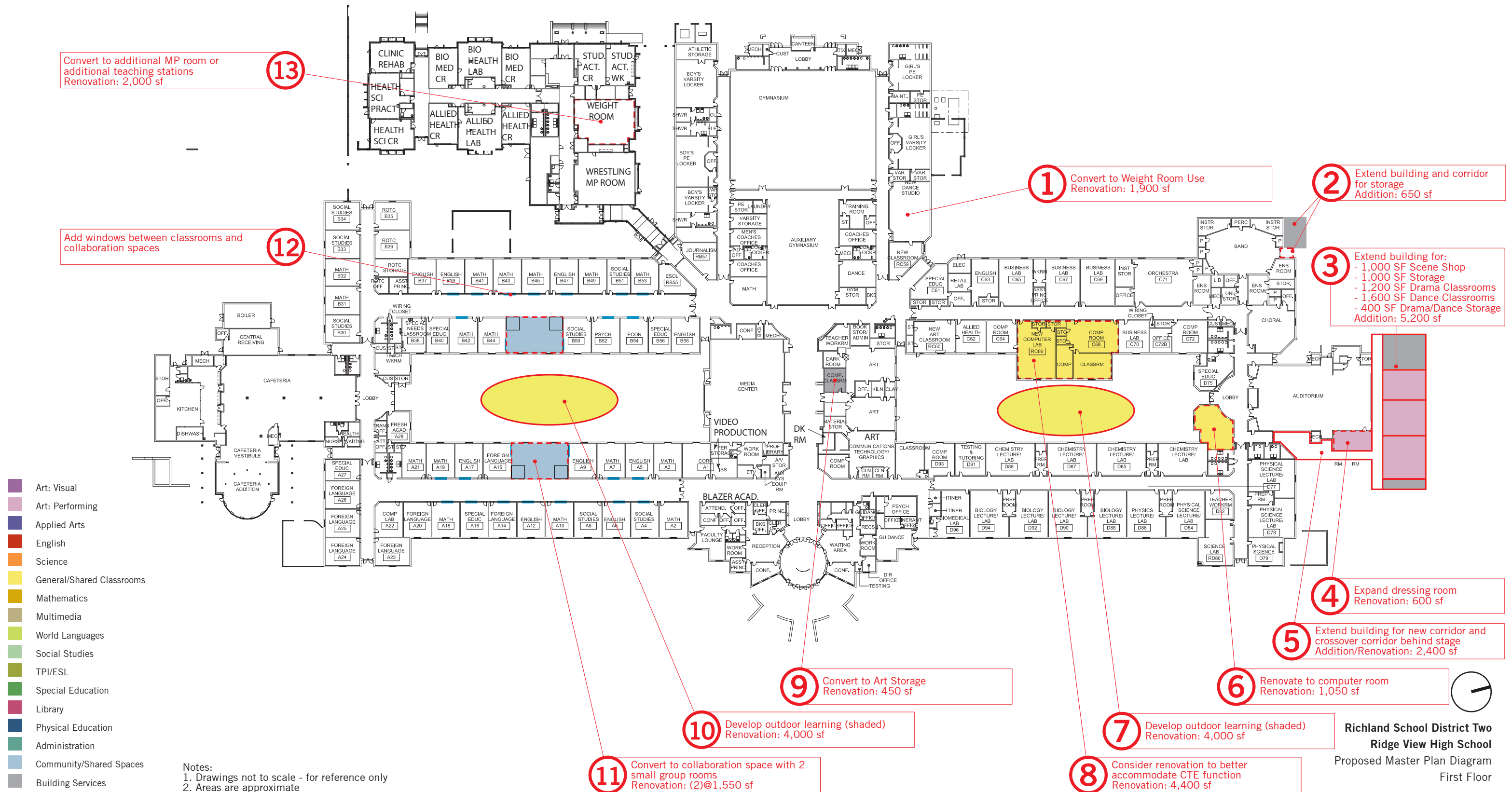
Legend

-  Parking - Student
-  Parking - Faculty
-  Loading Facilities
-  Bus Drop-Off
-  Vehicular Drop-Off
-  Play Fields
-  Area of Concern Pedestrian
-  Area of Concern Water
-  Area of Concern Vehicular



Ridge View High School
Proposed Site





4.4

Spring Valley High School



BACKGROUND INFORMATION:

Address: 120 Sparkleberry Ln, Columbia, SC 29229

Principal: Jeff Temoney

Built: 2008; Renovation (Science Bldg, Bates Hall): 2008; Addition (Fine Arts): 1983; Renovation (Gymnasium): date unknown

Capacity: 2,000

Current Enrollment: 2,088 (over capacity)

KEY STRENGTHS:

- Large lobby with abundant daylight
- New media center
- Large locker commons that are centrally located

KEY CHALLENGES:

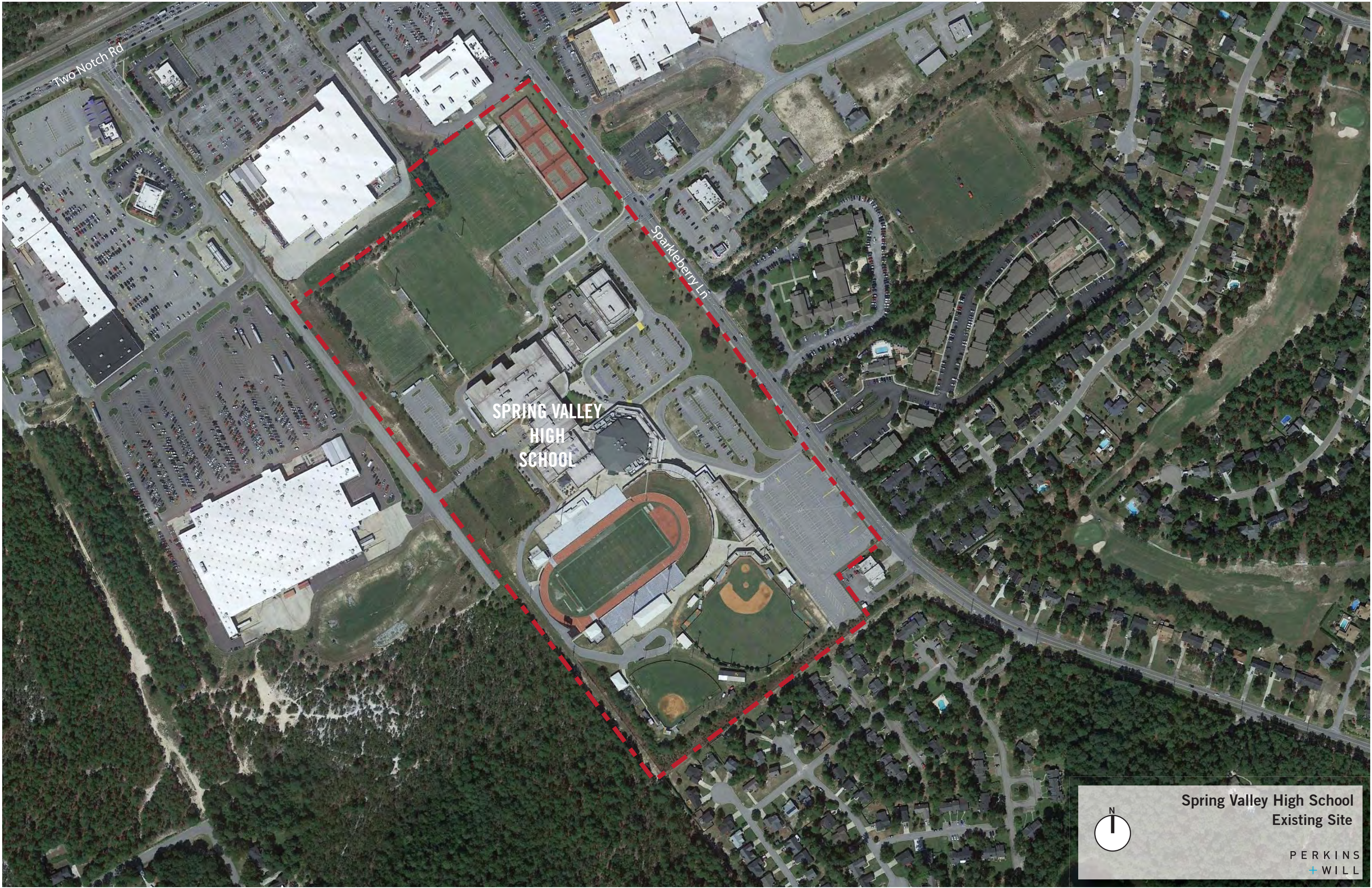
- ADA Accessibility, specifically of the auditorium control room, lower level of gym building (many ramps, some non-compliant thresholds), and gymnasium seating (no designated spots; obstructed views)
- Entrances: Need for secure entry; Bates Hall access/JROTC access
- Finding a new use for the former media center
- Athletics support: Right-sizing PE/visitor lockers, consolidating weight rooms, lack of team meeting space
- Desire for more flexibility in furnishings


PROGRAM DEFICIENCIES

- Need for space for more support staff such as social worker and ESOL
- Size of culinary arts, lack of maker space, storage for large athletics equipment
- Need storage for building construction projects

RECOMMENDATION: TARGETED RENOVATION

Photo Source: <http://www.quackenbusharchitects.com/projects/middle-school-seven/>





Spring Valley High School
Existing Site

PERKINS
+ WILL



ADA spectator issues

SPRING VALLEY
HIGH SCHOOL

Sparkleberry Ln

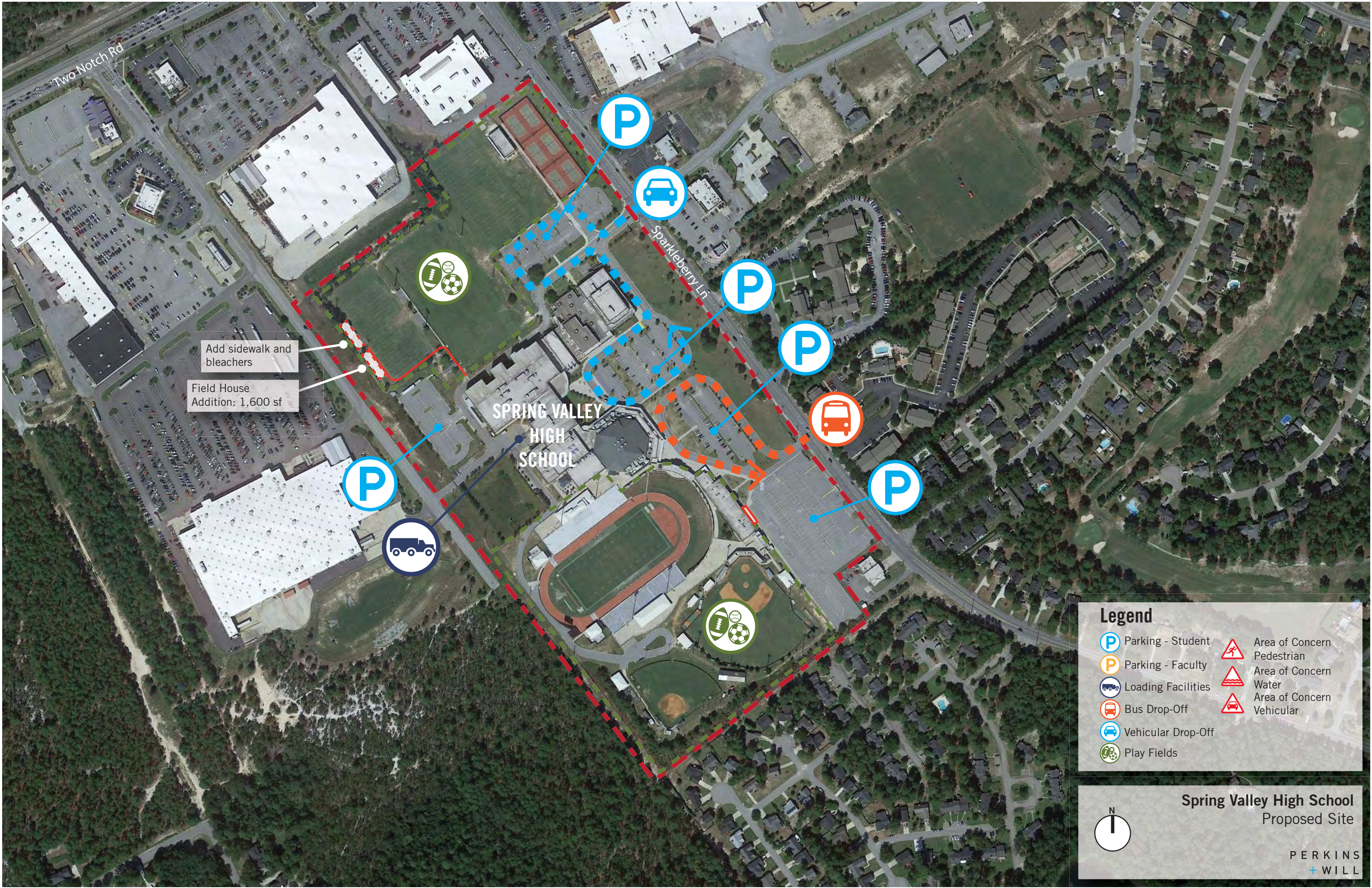
Two Notch Rd

Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

**Spring Valley High School
Site Analysis**

PERKINS
+ WILL



Add sidewalk and bleachers

Field House Addition: 1,600 sf

SPRING VALLEY
HIGH SCHOOL

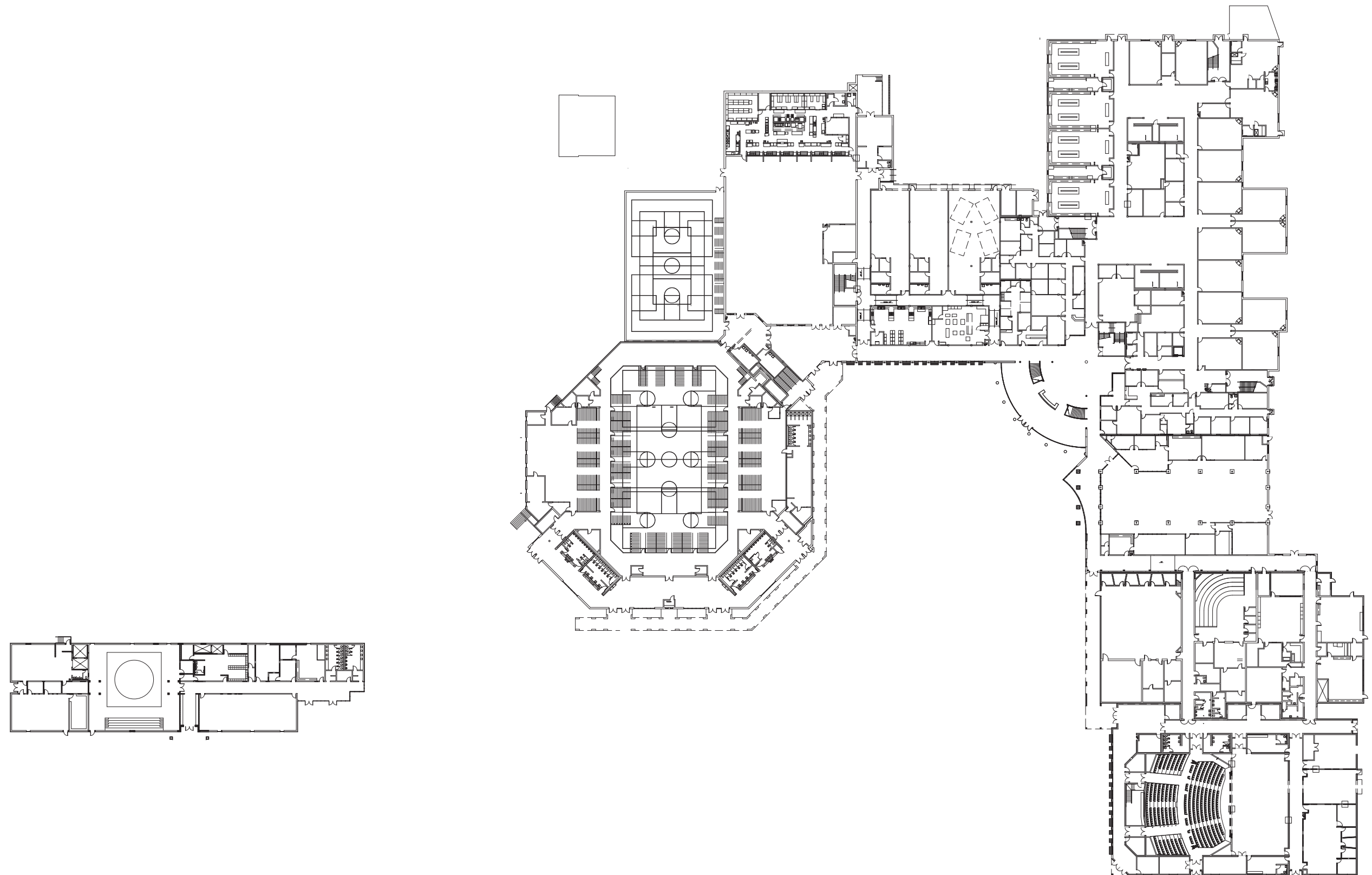
Legend

Parking - Student	Area of Concern Pedestrian
Parking - Faculty	Area of Concern Water
Loading Facilities	Area of Concern Vehicular
Bus Drop-Off	
Vehicular Drop-Off	
Play Fields	

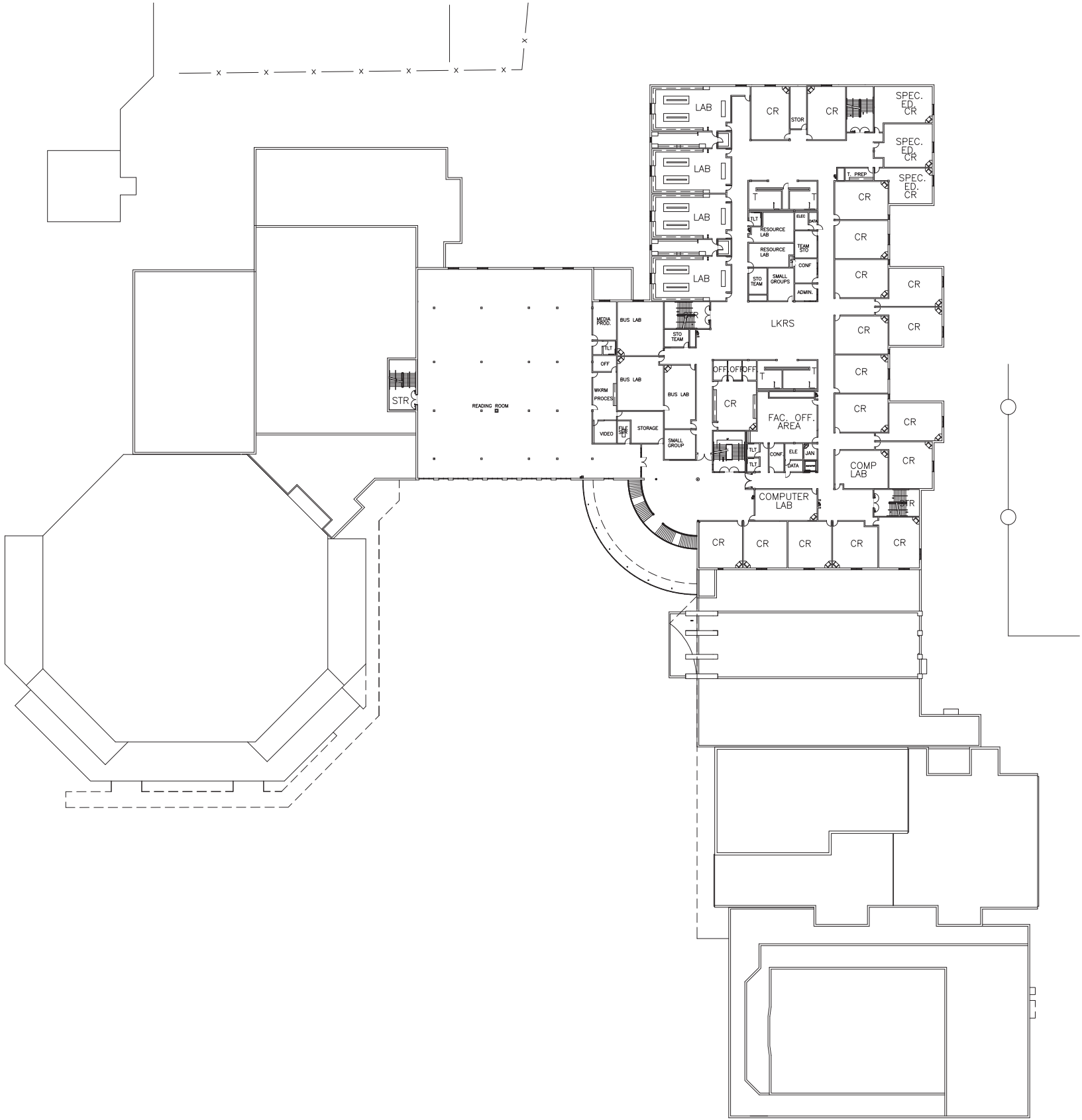
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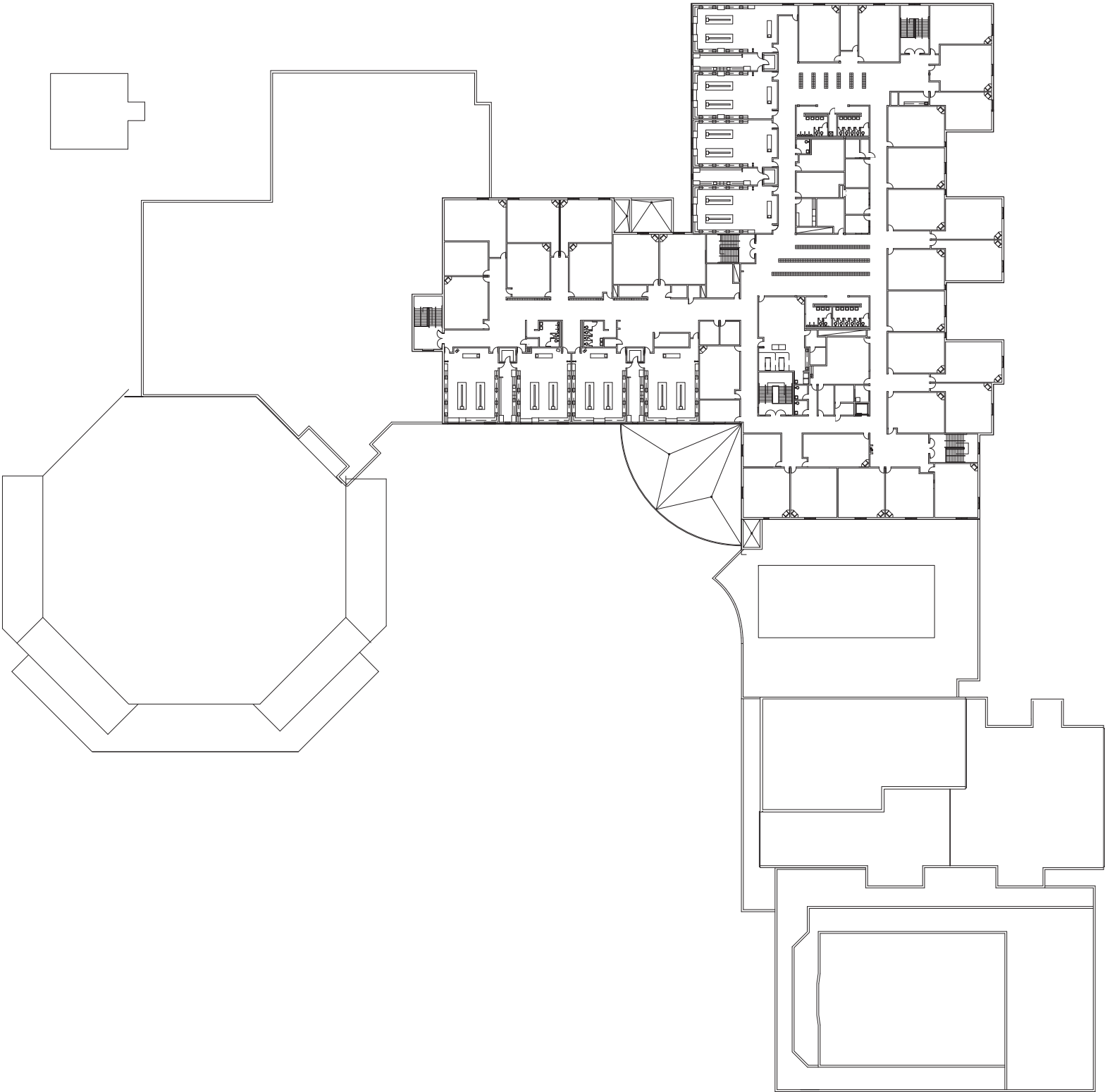
Spring Valley High School
Proposed Site

PERKINS
+ WILL



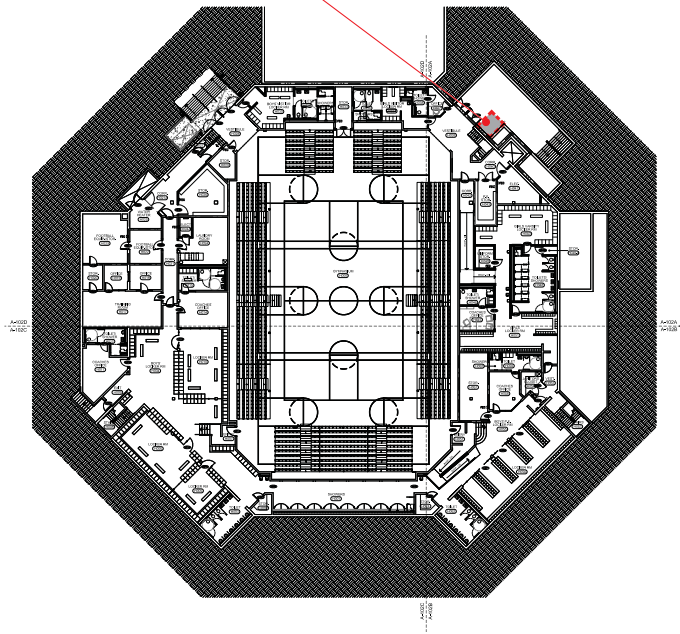
Richland School District Two
Spring Valley High School
Existing Conditions
Organizational Plan - First Floor





Add Storage Room if allowable by code
Renovation: 100 sf

1

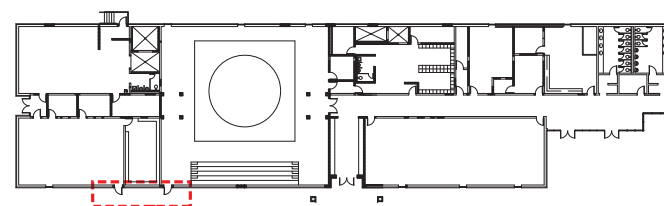


- Art: Visual
- Art: Performing
- Applied Arts
- English
- Science
- General/Shared Classrooms
- Mathematics
- Multimedia
- World Languages
- Social Studies
- TPI/ESL
- Special Education
- Library
- Physical Education
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- Building Services

Notes:
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7 Add covered entry
Addition: 450 sf

Add door to stair from cafe to upstairs to expand cafeteria capacity, if possible with existing floor elevations

8

Add windows from classrooms to commons

2

3 Remove lockers to create commons
Renovation: 1,000 sf

4 Remove lockers to create commons
Renovation: 1,000 sf

5 Add secure vestibule
Renovation: 2,200 sf

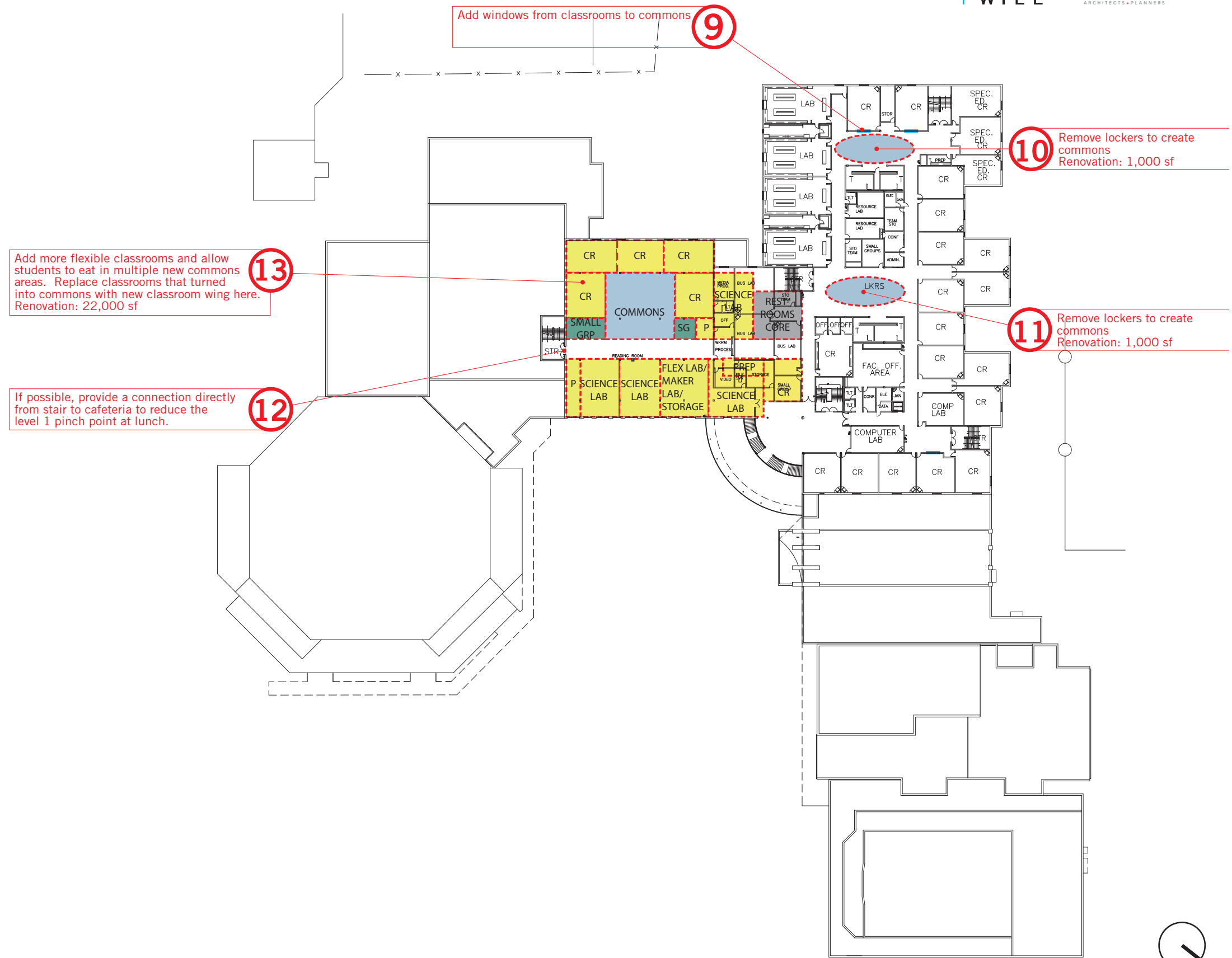
This area is currently outdoor space. If possible, create lockable storage with low ceiling to allow clerestory windows.
Renovation: 650 sf

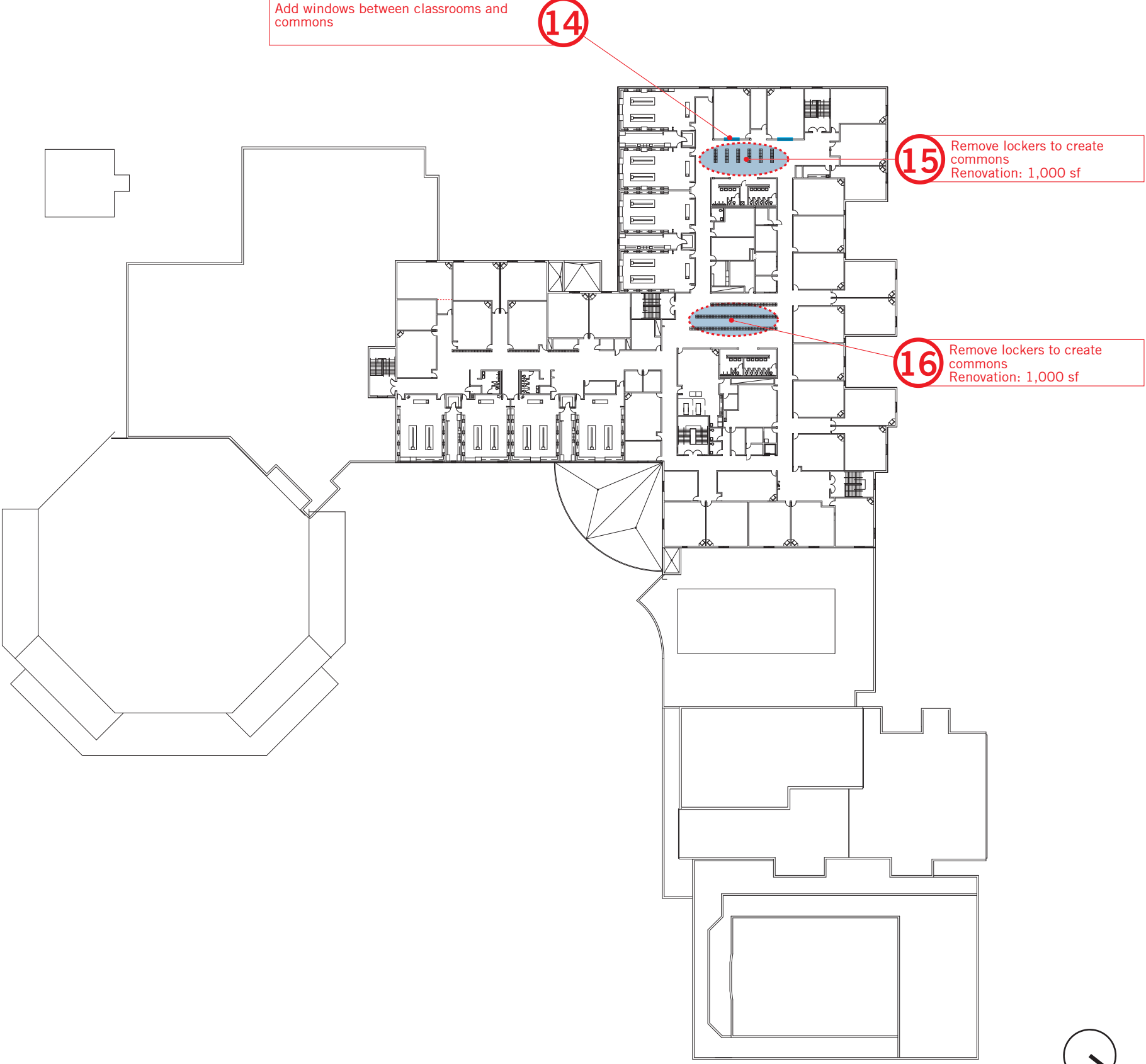
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4.5

Westwood High School



BACKGROUND INFORMATION:

Address: 180 Turkey Farm Road, Blythewood SC 29016

Principal: Cheryl Guy

Built: 2012

Capacity: 1,700

Current Enrollment: 1,473

KEY STRENGTHS:

- Newest high school, beautiful natural setting
- Current enrollment allows for some flexibility in future space use
- Well maintained and cared for

KEY CHALLENGES:

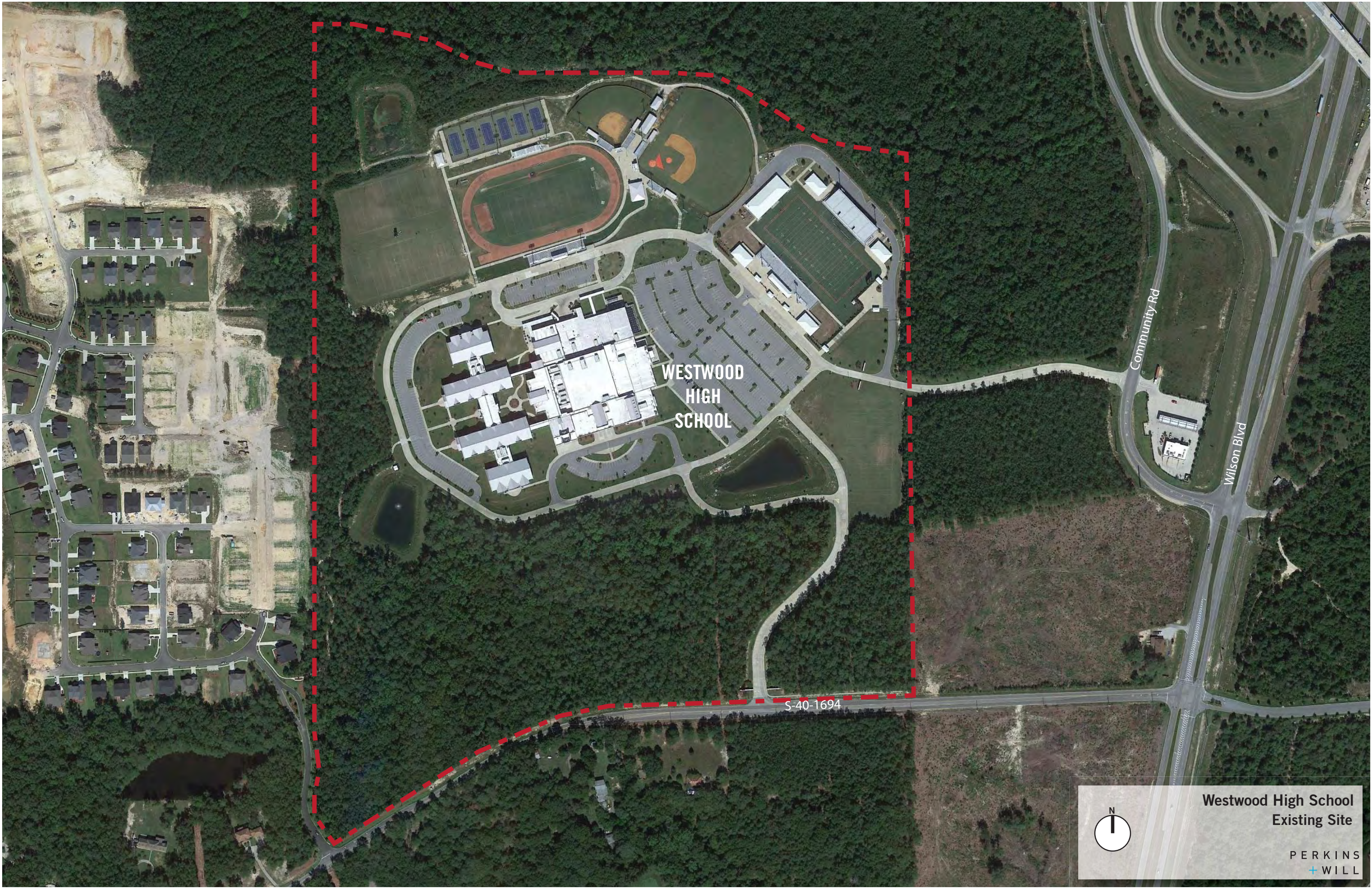
- None

PROGRAM DEFICIENCIES

- Athletic training room is too small
- Outdoor dining insufficient
- Intentional collaboration spaces could be increased
- Performing Arts has insufficient storage
- Small group spaces have been co-opted as offices
- Media Center lacks quiet study rooms

RECOMMENDATION: VERY MINOR RENOVATION/FIELDHOUSE ADDITION

Photo Source: <http://accessaag.com/project/westwood-high-school/>

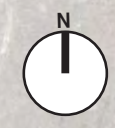


WESTWOOD
HIGH
SCHOOL

Community Rd

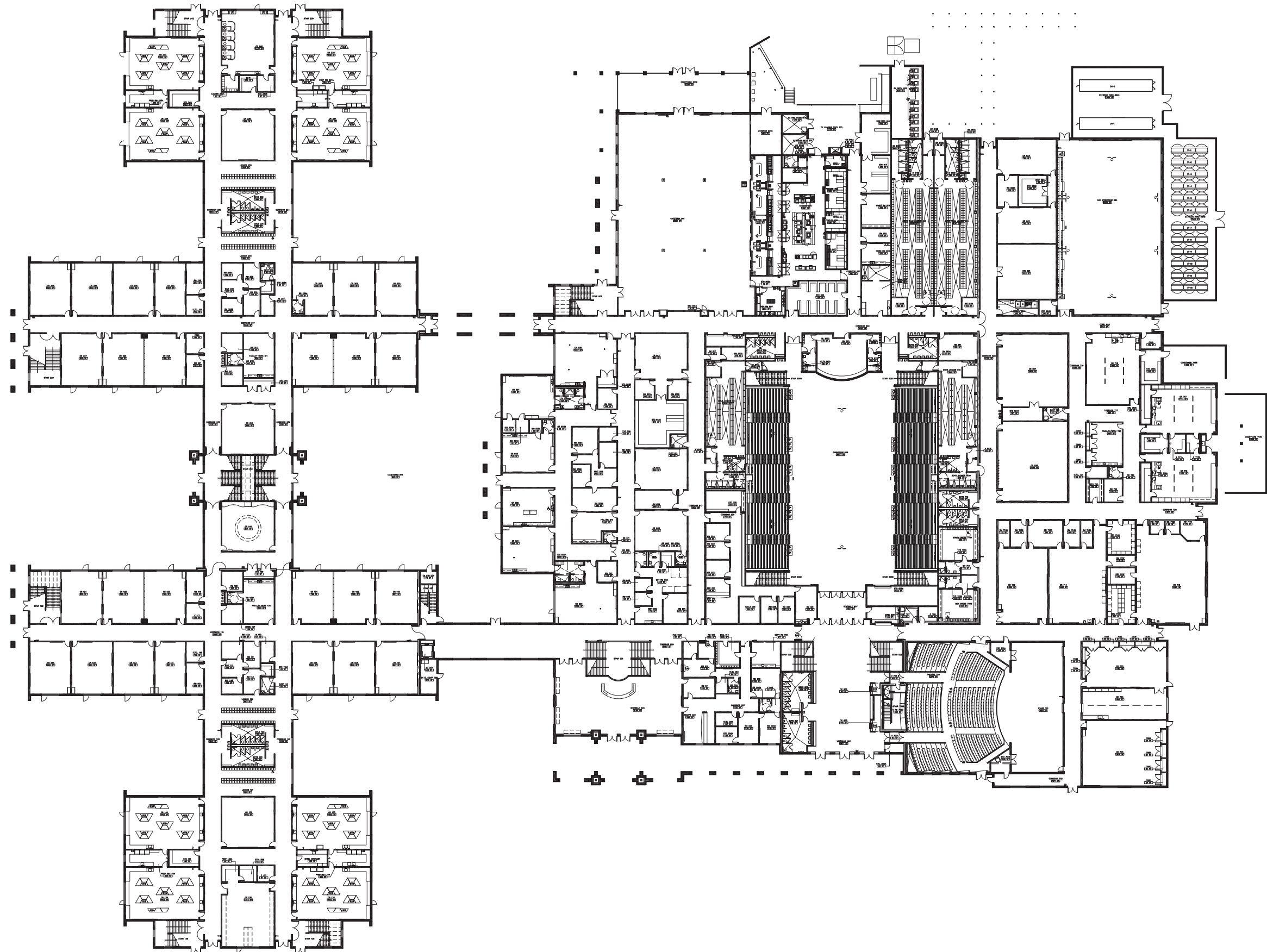
Wilson Blvd

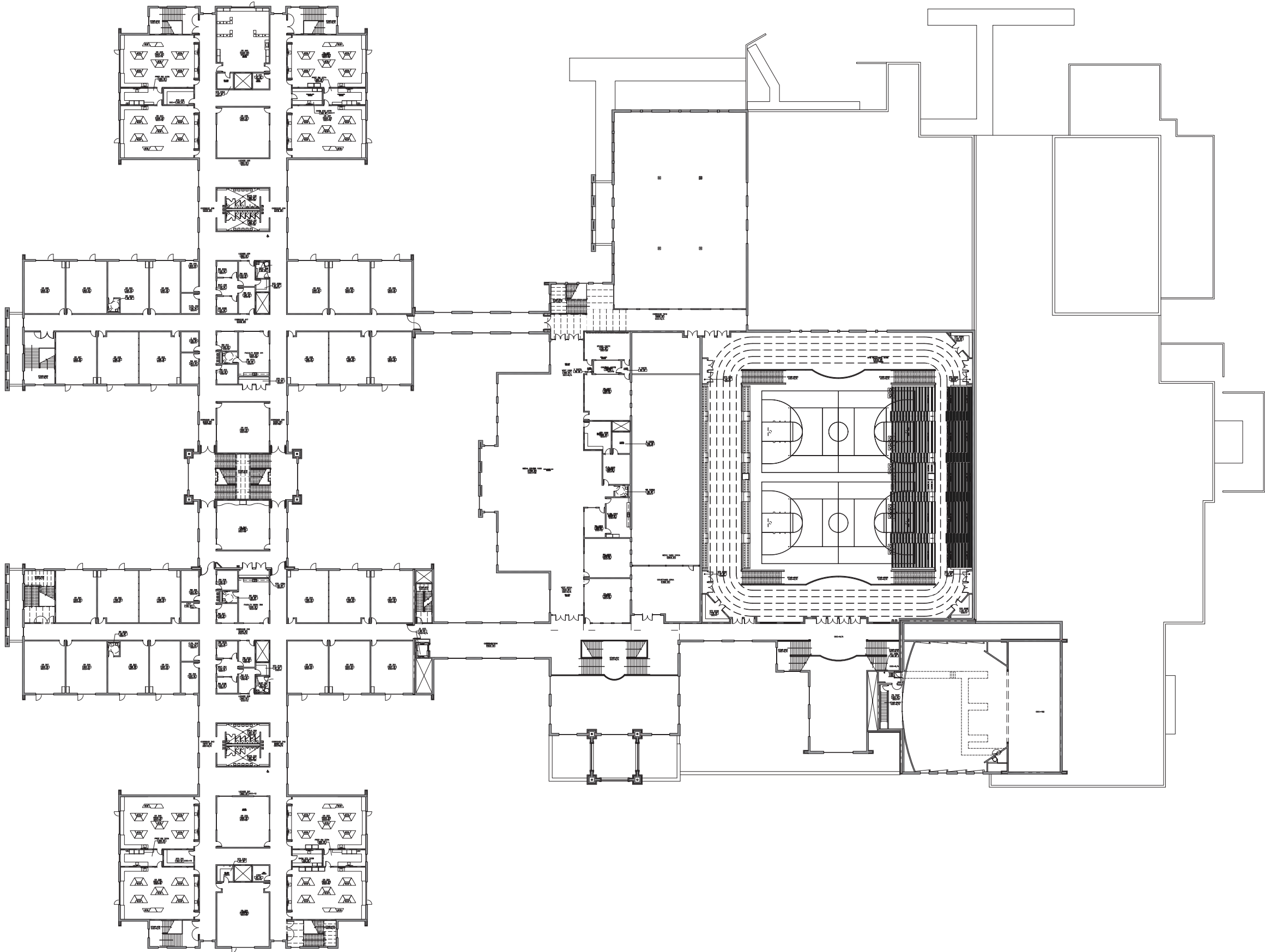
S-40-1694



Westwood High School
Existing Site

PERKINS
+ WILL





Expand outdoor dining
Renovation: 5,600 sf

1

Consider expanding storage
Renovation: 250 sf

4

Convert to collaboration spaces - Typical
Renovation: (2)@450 sf

3

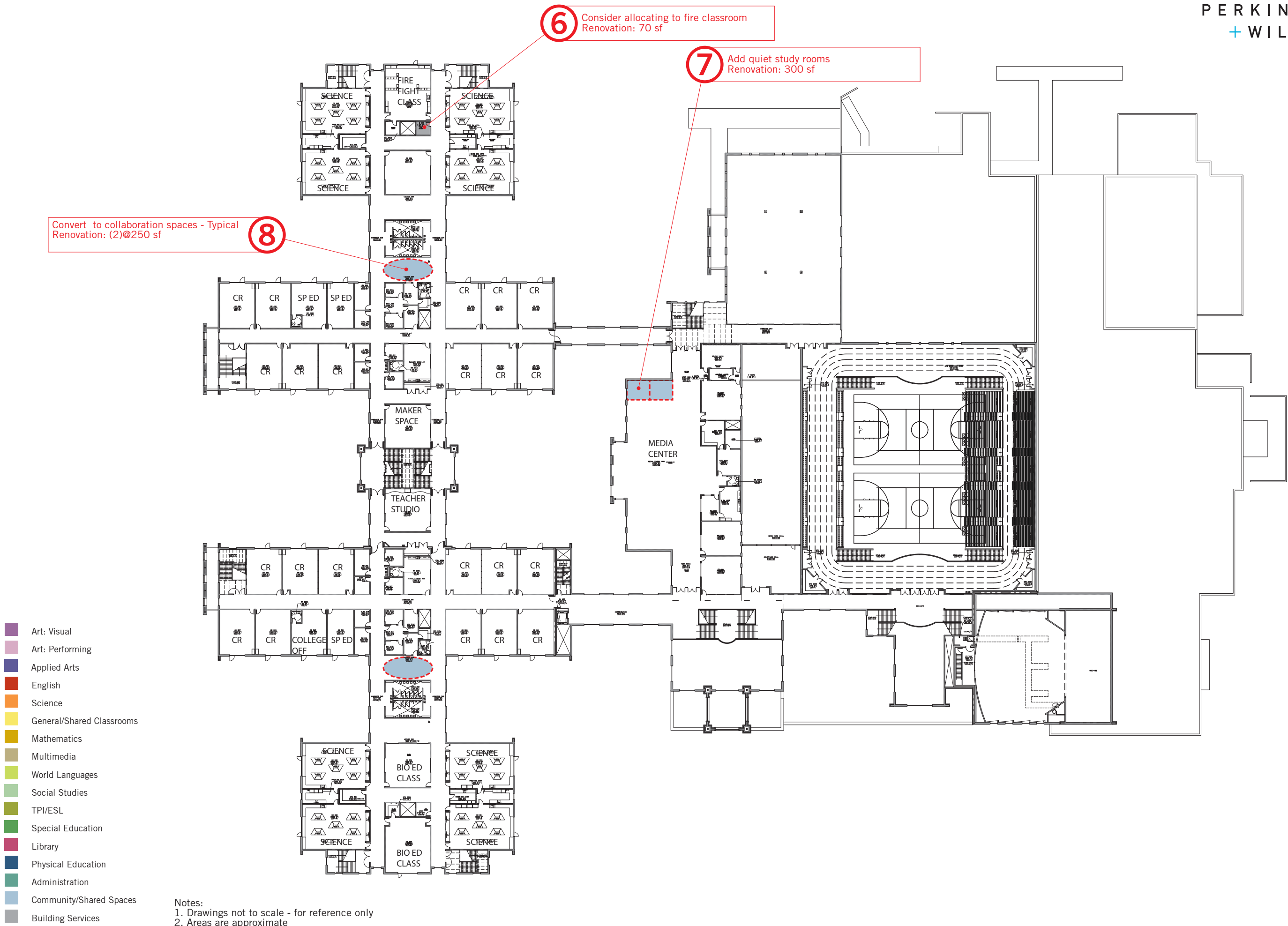
5 Consider relocating storage
to bring natural light into
room (add windows)
Renovation: 1,750 sf

2 Expand to add storage
Renovation: 1,500 sf

ISSUE: Small Group Rooms are
currently being used as Offices

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5.0 CENTERS

Note on scoping:

This scope of this Report concerning Centers is limited to the **Center for Inquiry** located at the Summit Parkway Middle School campus. The rationale for this approach is as follows:

Center for Knowledge (E.L. Wright Middle School campus): is indicated to be rebuilt or relocated as a part of the E.L. Wright campus improvements.

Center for Knowledge North (Muller Road Middle School campus): is currently located in portable classrooms and should find a home in permanent construction.

Center for Achievement (Kelly Mill Middle School campus) is relatively newly constructed (2010) and is in good condition.



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5.1

Center for Inquiry



BACKGROUND INFORMATION:

Address: 200 1/2 Summit Parkway Drive Columbia, SC 29229

Lead Teacher: Dr. Lyn Mueller

Built: 2008

Capacity: 264

Current Enrollment: 259

KEY STRENGTHS:

- Well-organized plan with central multi-purpose room
- Occupied spaces benefit from natural light

KEY CHALLENGES:

- Multi-purpose room is over-scheduled
- Main entry vestibule would benefit from security enhancements

PROGRAM DEFICIENCIES:

- 2 classrooms are housed in portable structures
- Office space is limited

RECOMMENDATION: ADDITIONS TO REPLACE MOBILE CLASSROOMS

Photo Source: <http://www.quackenbusharchitects.com/projects/center-inquiry/>



SUMMIT
PARKWAY
MIDDLE
SCHOOL

CENTER FOR
INQUIRY

Summit Center Dr

Summit Pkwy

Rhame Rd



Center for Inquiry
Existing Site

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SUMMIT PARKWAY MIDDLE SCHOOL

CENTER FOR INQUIRY

Stagger start of CFI
Field House
Addition: 1,600 sf

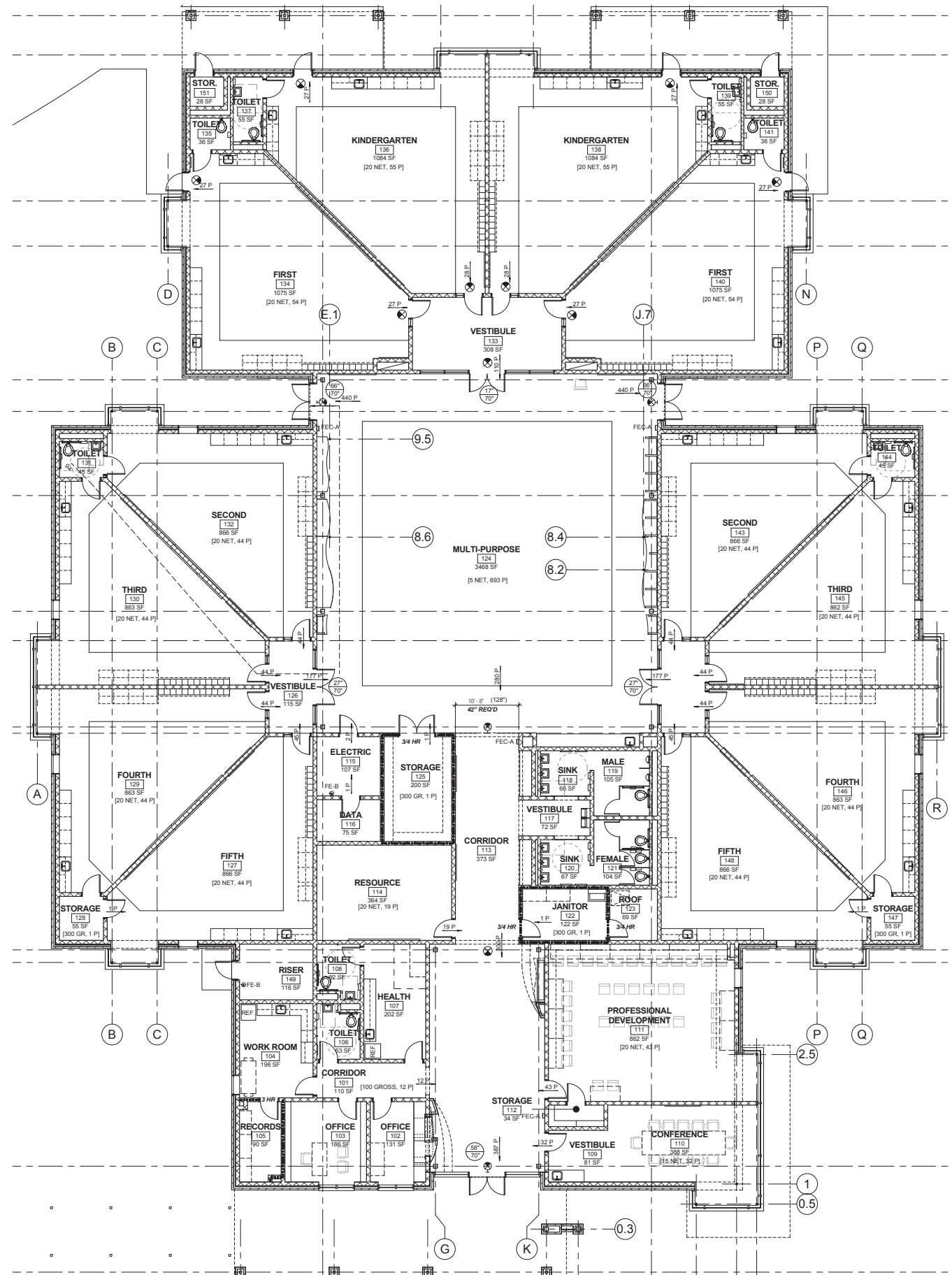
Legend

	Parking - Student		Area of Concern Pedestrian
	Parking - Faculty		Area of Concern Water
	Loading Facilities		Area of Concern Vehicular
	Bus Drop-Off		
	Vehicular Drop-Off		
	Play Fields		

 N

**Center for Inquiry
Proposed Site**

PERKINS
+ WILL



Extend canopy to the school
Addition: 1,100 sf

Small group meeting or office space with
glass walls for borrowed light
Addition: 150 sf

New exit
Addition: 450 sf

Replace portable classrooms
Addition: 1,200 sf

Small group meeting or office space with
glass walls for borrowed light
Addition: 150 sf

New exit
Addition: 450 sf

Replace portable classrooms
Addition: 1,200 sf

Add secure vestibule
Renovation: 450 sf

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Richland School District Two
Center for Inquiry
Proposed Master Plan Diagram
First Floor

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6.0

APPENDIX

TABLE OF CONTENTS:

JUNE 2017 WORKSHOP COLLATERAL

June 26, 2017
Agenda
Attendees
Presentation Slides
June 27, 2017
Agenda
Attendees
Presentation Slides
June 28, 2017
Agenda
Attendees
Presentation Slides
June 29, 2017
Agenda
Attendees
Presentation Slides



agenda - day one

RSD2

26 June 2017

Richland School District Two
District-wide Programming/Planning Workshop Day 1
Elementary, Middle and High Schools

12:30	Greetings and informal interaction
12:45	Welcome - <i>Dr. Debbie Hamm / Dr. Baron Davis</i>
12:50	Introductions Goals / Objectives / Process Aspirational Object
1:30	Presentation - Richland 2 Curricular Direction <i>Nancy Gregory</i>
2:00	Presentation / Discussion - Living in Beta: The Landscape for Future Ready Schools <i>Steve Turckes / Aimee Eckmann</i>
3:00	Break
3:15	Small Group Discussions <i>What guiding principles should guide our work?</i>
4:00	Small Group Reports <i>Small groups report out - 5-6 minutes each</i>
4:45	Wrap-up, closing remarks, next steps

DISTRICT-WIDE PROGRAMMING/Planning Workshop
Day 1 - Elementary, Middle and High Schools

FACILITATORS:

Steve Turckes, *Architect, Perkins+Will*
Aimee Eckmann, *Architect, Perkins+Will*
Doug Quackenbush, *Architect, Quackenbush Architects*

ATTENDEES:

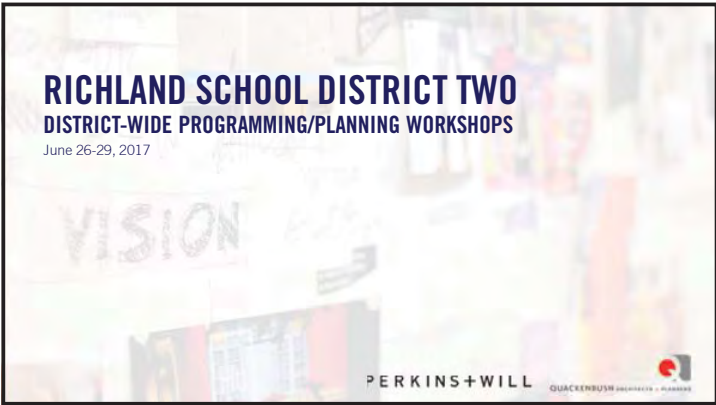
Janie Kronk, *Architect, Quackenbush Architects*
Shelley Allen, *Executive Director of Finance*
Jack Carter, *Chief Operations Officer*
Tom Cranmer, *Chief of IT*
Baron Davis, *Superintendent - Elect*
Katinia Davis, *Chief Instructional Support Officer*
Marshalynn Franklin, *Asst. Superintendent*
Helen Grant, *Chief Diversity and Multicultural Inclusion Officer*
Nancy Gregory, *Chief Instructional Officer*
Debbie Hamm, *Superintendent*
Harry Miley, *Chief Financial Officer*
Libby Roof, *Chief Communications Officer*
Shawn Suber, *Special Projects*
Ed Watson, *Manger of New Construction and Design*
Dawn Whitley, *Director of Academic Initiatives*
Shawn Williams, *Chief Human Resources Officer*
Arthur Newton, *Director of Elementary Education*
Jim Childers, *AP, Spring Valley High School*
David Gordon, *AP, Ridge View High School*
Cheryl Guy, *Principal, Westwood High School*
Brenda Mack Foxworth, *Principal, Ridge View High School*
Barry Mizell, *Athletic Director, Blythewood High School*
Joe Paschal, *AP, Spring Valley High School*
Marriah Schwallier, *High School Lead*
Matt Sherman, *AP, Blythewood High School*
Sabrina Suber, *Principal, Richland Northeast High School*
Joe Watson, *AP, Richland Northeast High School*
Catherine Campbell, *Visual Arts, Dent Middle School*
Grady Haltiwanger
Vincent McClinton, *AP, Summit Parkway Middle School*
April Shell, *Principal, Summit Parkway Middle School*
Janice Wylie, *TLC, Summit Parkway Middle School*
LeCinda Jennings
Shane Bagwell, *Asst. Principal, Lake Carolina Lower Elementary School*
Alvera Butler, *Principal, Joseph Keels Elementary School*
Laurie Cannon, *Administrative Assistant Lake Carolina Lower Elementary School*
Tracy Footman, *Principal, Bethel-Hanberry Elementary School*
Jennifer Germann, *Asst. Principal, North Springs Elementary School*
David Holzendorf, *Principal, North Springs Elementary School*
Arthur Newton, *Director of Elementary Education*
Jessie Williams, *Asst. Principal, Bethel-Hanberry Elementary School*

WORKSHOP COLLATERAL: JUNE 26, 2017


RICHLAND SCHOOL DISTRICT TWO

DISTRICT-WIDE PROGRAMMING/PLANNING WORKSHOPS

June 26-29, 2017

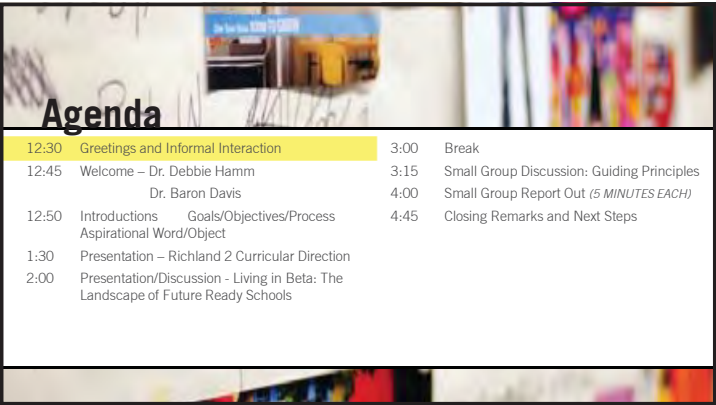


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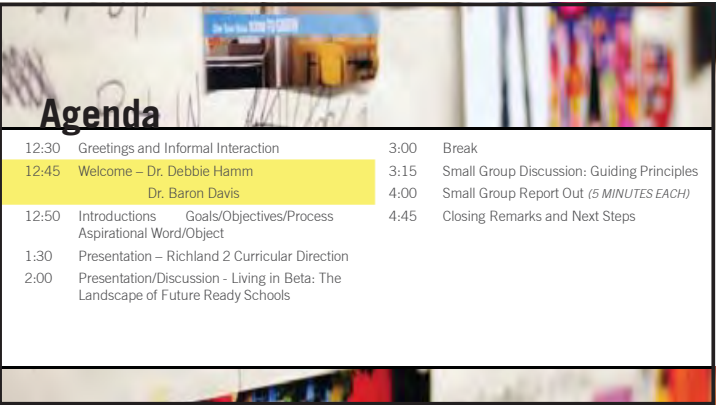
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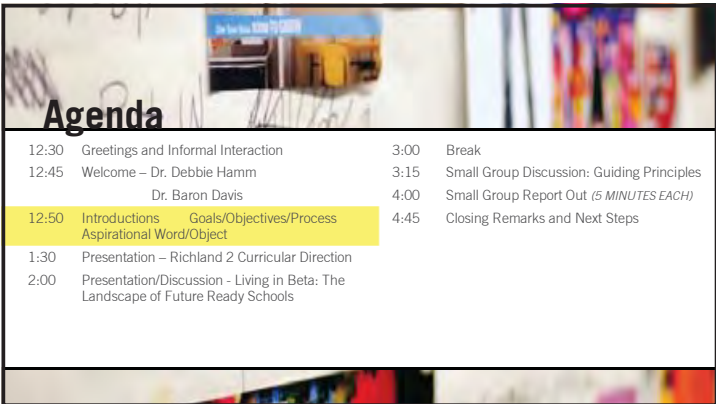
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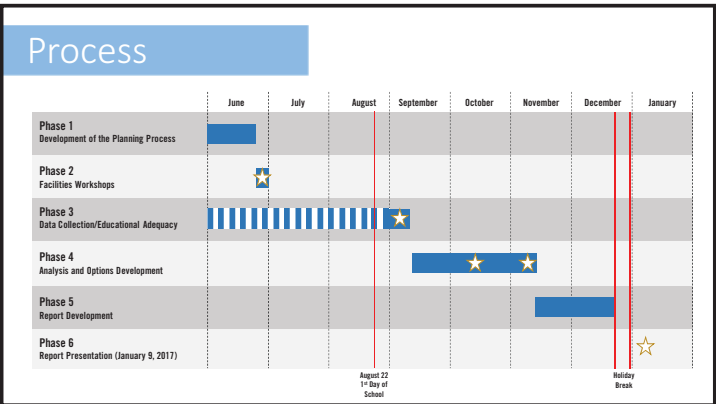


Process

	June	July	August	September	October	November	December	January
Phase 1 Development of the Planning Process								
Phase 2 Facilities Workshops								
Phase 3 Data Collection/Educational Adequacy								
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Phase 5 Report Development								
Phase 6 Report Presentation (January 9, 2017)								

August 22
1st Day of School

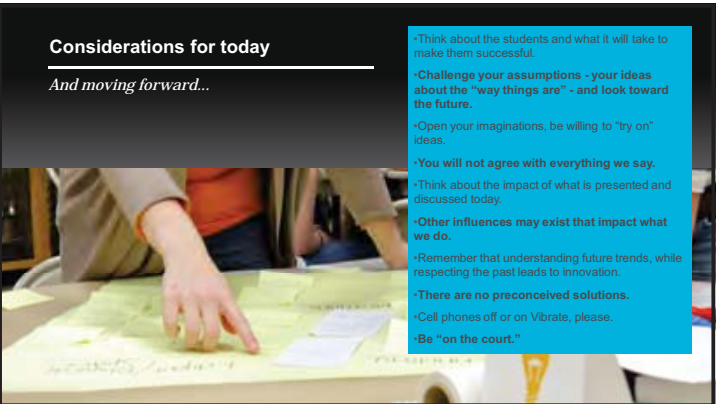
Holiday
Break



Considerations for today

And moving forward...

- Think about the students and what it will take to make them successful.
- Challenge your assumptions - your ideas about the "way things are" - and look toward the future.
- Open your imaginations, be willing to "try on" ideas.
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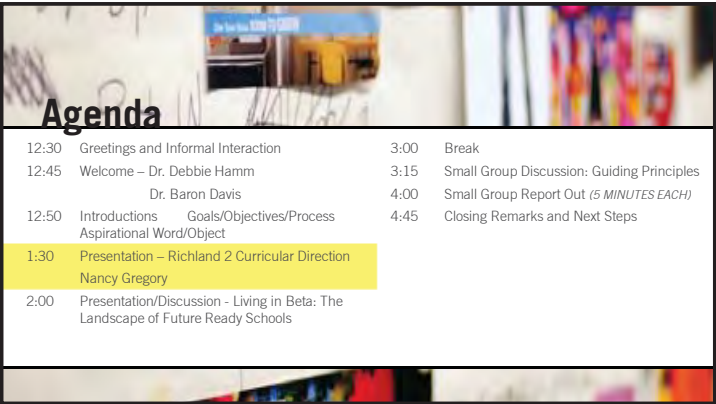
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Aspirational Object

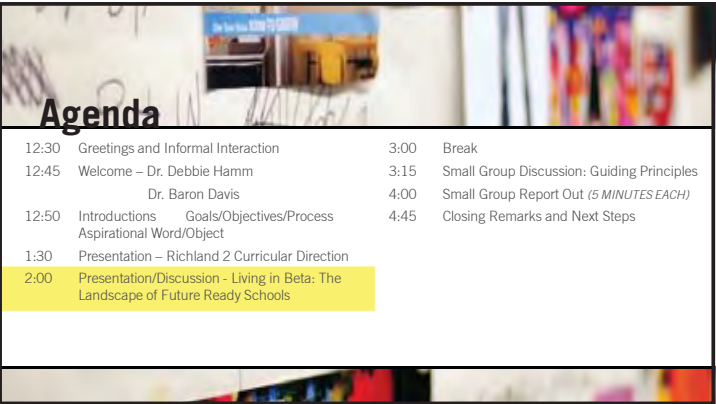
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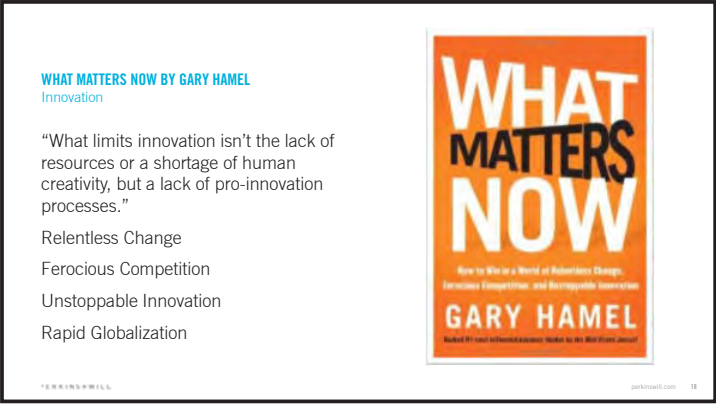
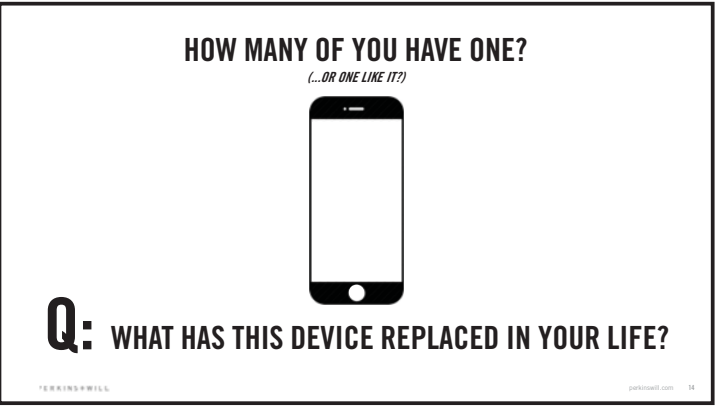
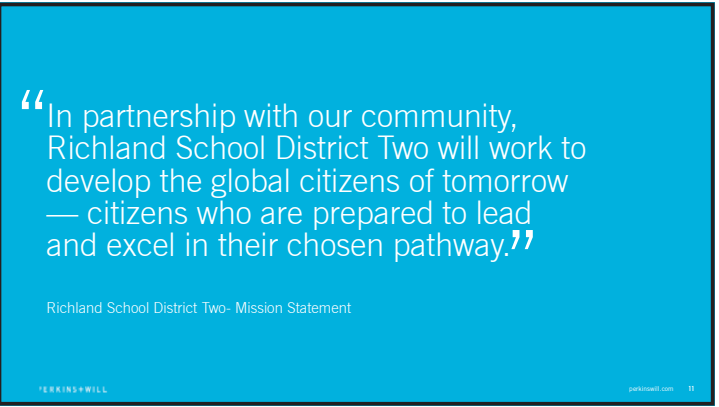
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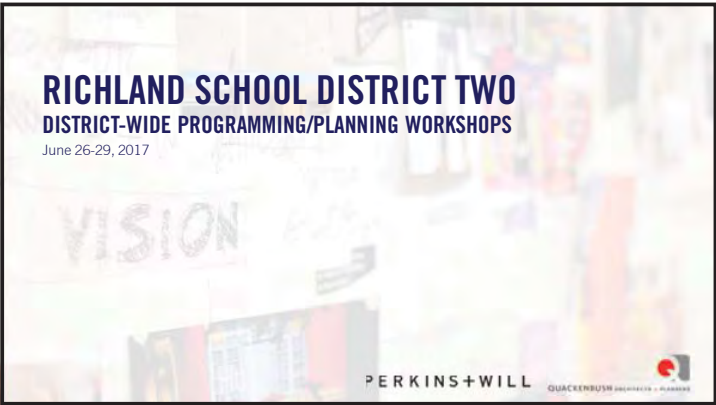


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RICHLAND SCHOOL DISTRICT TWO

DISTRICT-WIDE PROGRAMMING/PLANNING WORKSHOPS

June 26-29, 2017



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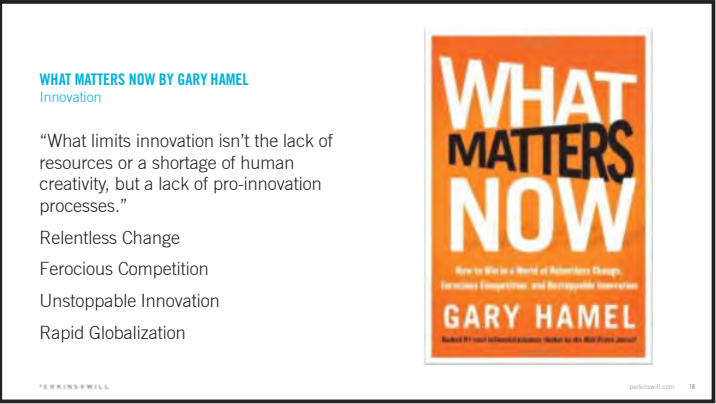
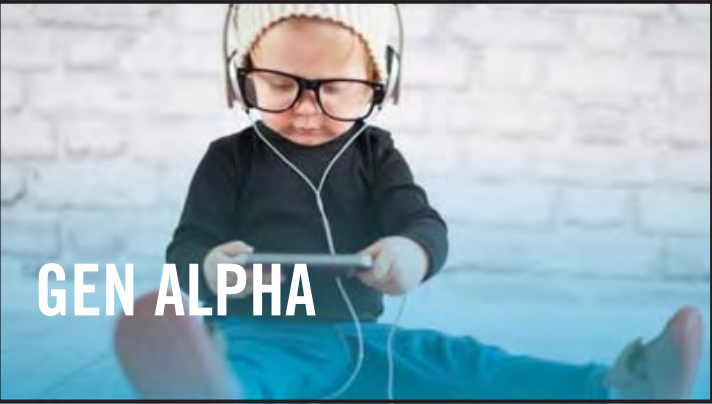
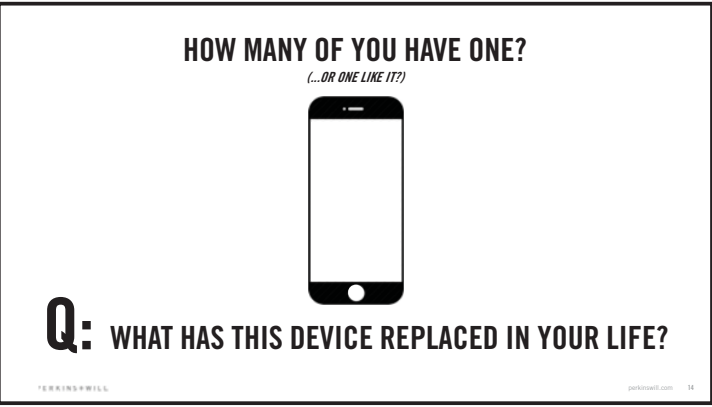
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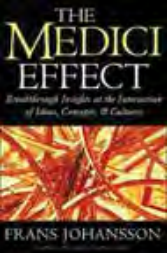
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“In a time of drastic change it is the *learner* who inherits the future. The *learned* usually find themselves equipped to live in a world that no longer exists.”

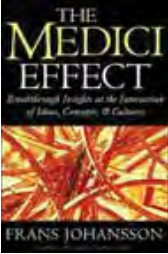
- Eric Hoffer, Philosopher

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“When you step into an intersection of fields, disciplines, or cultures, you can combine existing concepts in to a large number of extraordinary new ones”

20



“Disciplinary science is dead . . . most major advancements involve multiple disciplines”

Alan Leshner, CEO
American Association for the Advancement of Science


21



	INDIVIDUAL	NETWORK
MARKET	1 MARKET/INDIVIDUAL	2 MARKET/NETWORK
NON-MARKET	3 NON-MARKET/INDIVIDUAL	4 NON-MARKET/NETWORK


Source: Johnson, Steven. Where Good Ideas Come From: The Natural History of Innovation. New York: Riverhead Books, 2010.

Quadrant 1



Archimedes

Quadrant 4



Drawing entitled "Cafe Marouxy" - Paris



"Education is now the number one economic priority in today's global economy."

- John Naisbitt, Author of Megatrends

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KnowledgeWorks Forecast 3.0

A Glimpse into the Future of Learning

WHY DO WE NEED FUTURE READY LEARNING NOW? A Shift in Context

Strategizing education is no longer about figuring out what the next trend is; now it is about preparing students for the unfamiliar – educating students to become responsive so that they have the skills to adapt.

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KnowledgeWorks Forecast 3.0

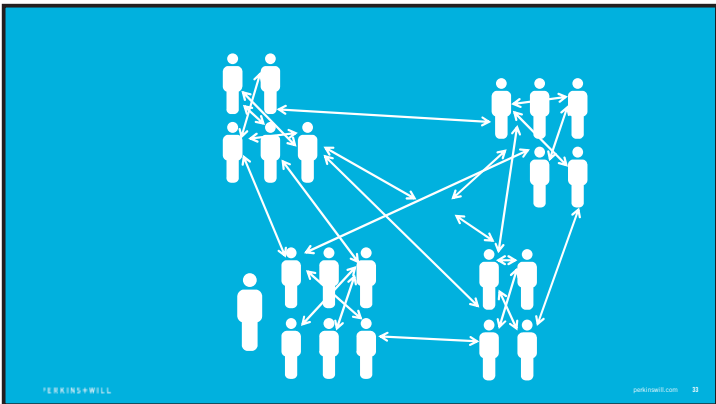
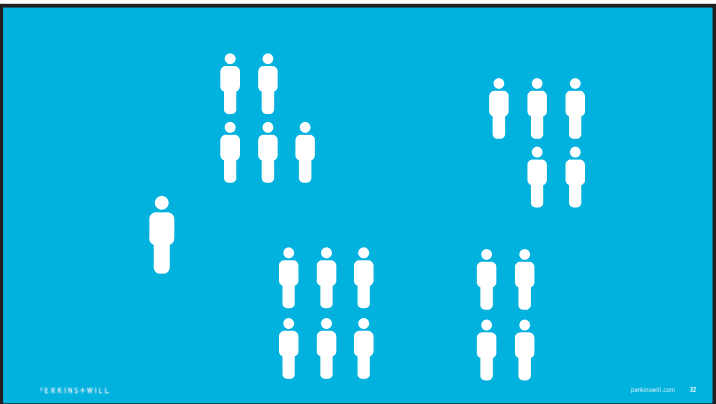
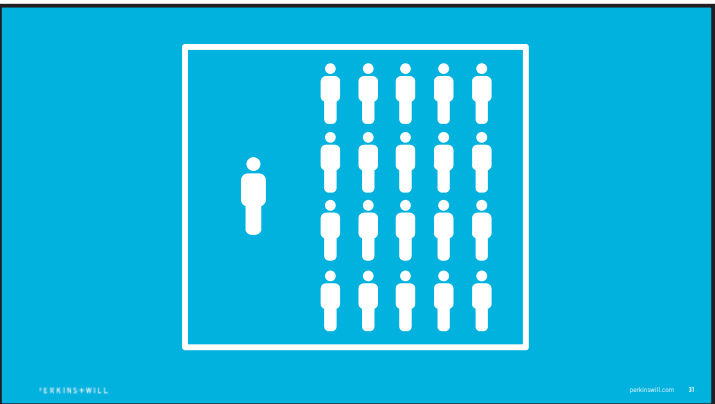
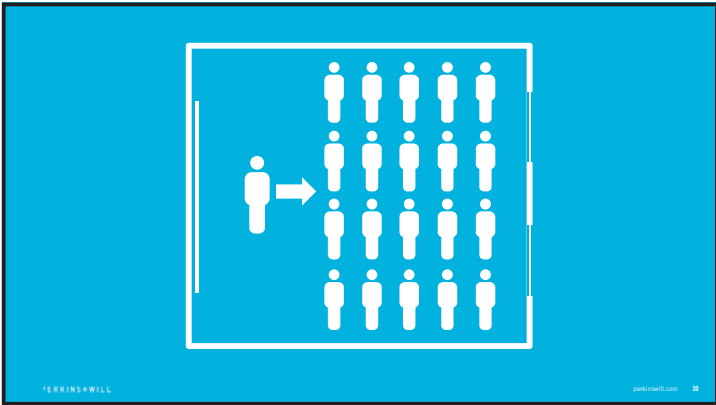
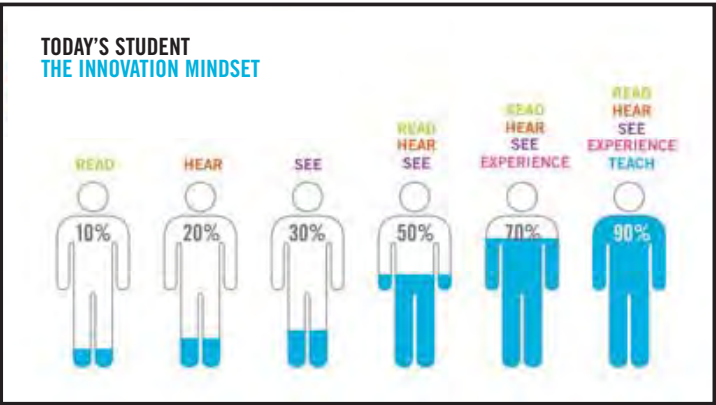
A Glimpse into the Future of Learning

These changes point the way toward a diverse learning ecosystem in which learning adapts to each child instead of each child trying to adapt to school.

“WHAT MATTERS MOST IN OUR INCREASINGLY INNOVATION-DRIVEN ECONOMY IS NOT WHAT YOU KNOW, **BUT WHAT YOU CAN DO WITH WHAT YOU KNOW**”

Most Likely to Succeed, Preparing our Kids for the Innovation Era
Tony Wagner, Ted Dintersmith

PERKINS+WILL



Change...

20th Century

- Teacher-centered
- Passive learning
- Organized by age/subject
- Rote memorization
- Industrial efficiency

21st Century

- Student-centered
- Active learning
- Multi-age learning communities
- Project based and experiential
- Students not tied to fixed location

PERKINS+WILL

WE CANNOT SOLVE OUR PROBLEMS WITH THE SAME THINKING WE USED WHEN WE CREATED THEM

- Albert Einstein

FUTURE READY LEARNING

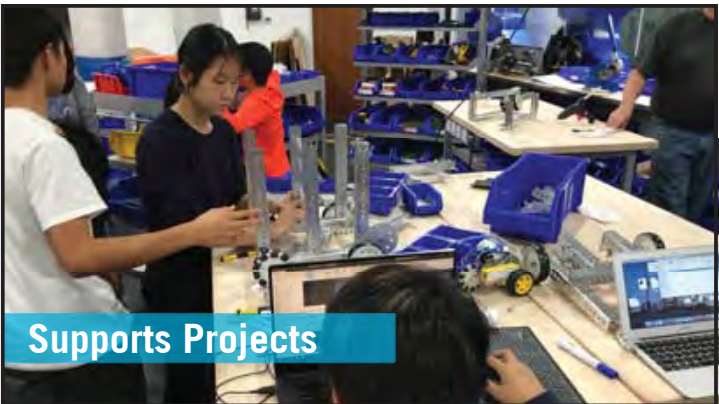
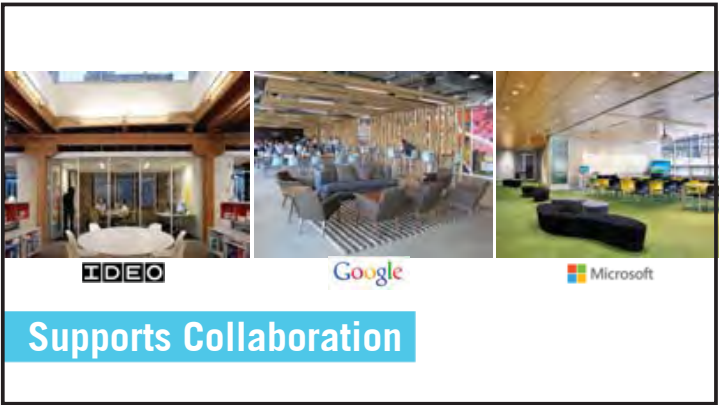
PERKINS+WILL

- Are **student-centered**
- Adapt to **change**
- Support **21st Century skills**
- Are **safe & secure**
- Support **community use**
- Are **flexible**...at many levels
 - Curricular
 - Spatially
 - Group size
 - Furniture
- Are **sustainable**
- Support **interdisciplinary projects**
- Are **connected**...at many levels
- Encourage **exploration**
- Support **collaboration & innovation**
- Improve **student performance**

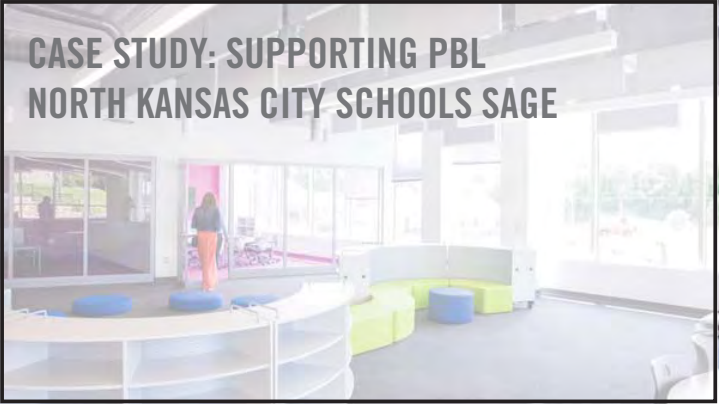
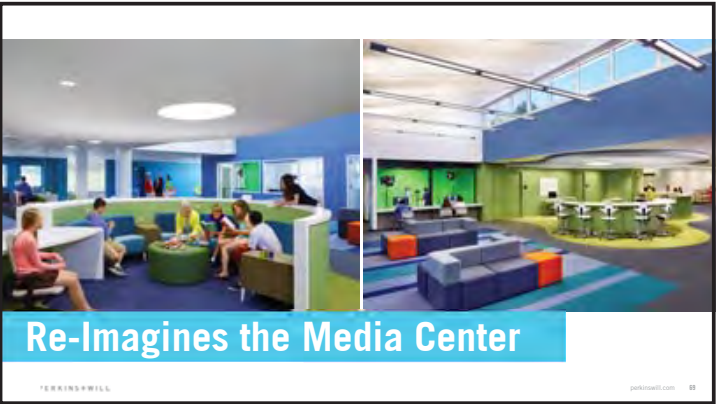
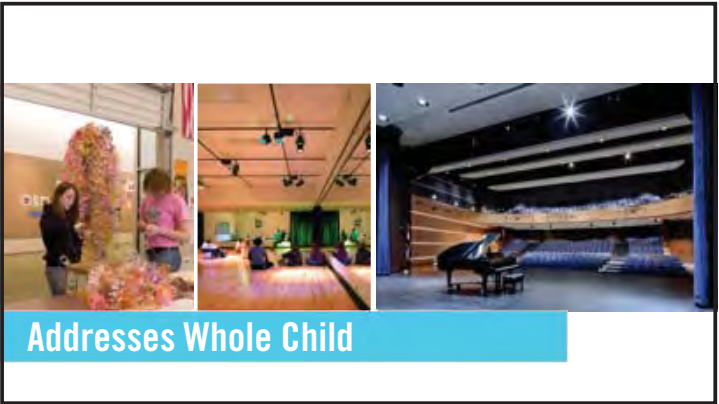
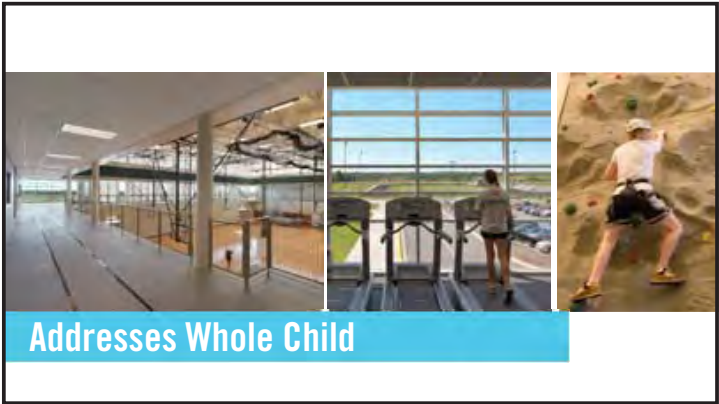
Future Ready Schools

PERKINS+WILL



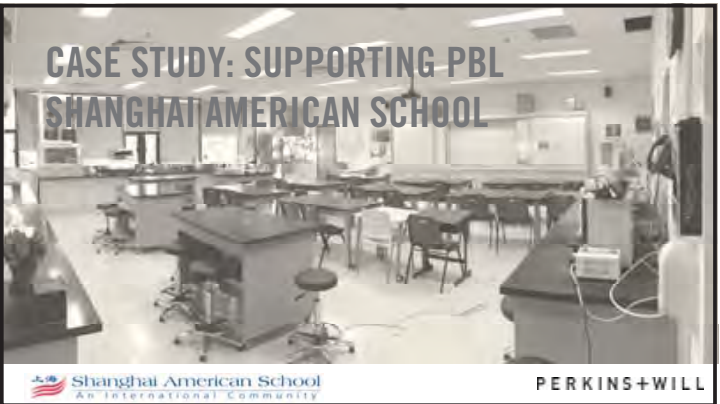
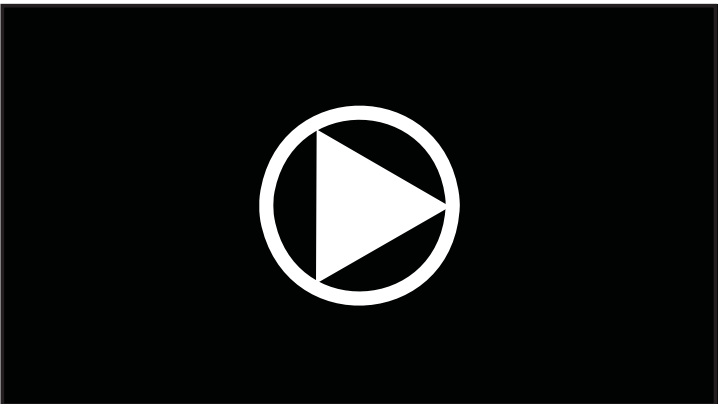


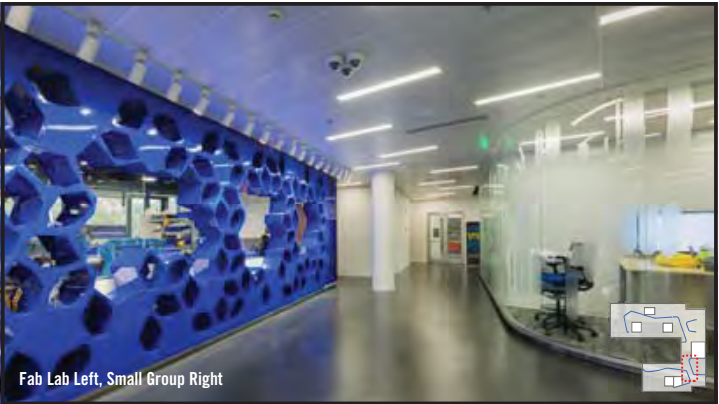
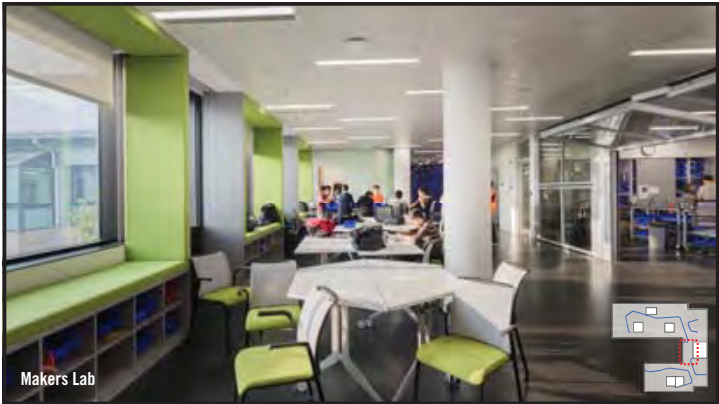


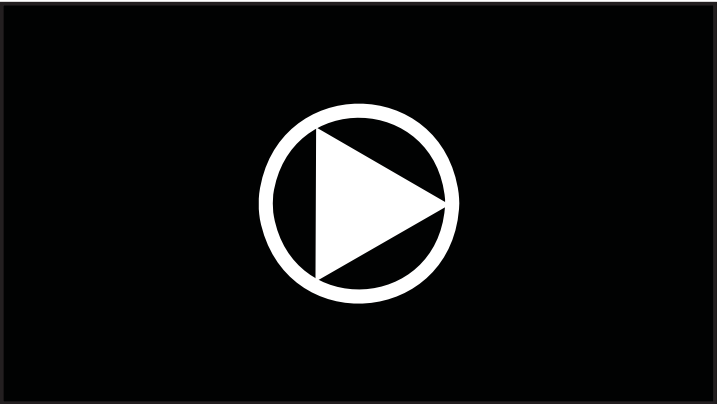
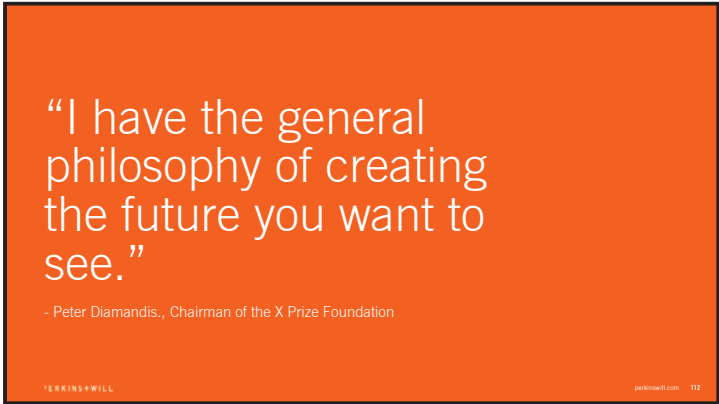


WORKSHOP COLLATERAL: JUNE 26, 2017



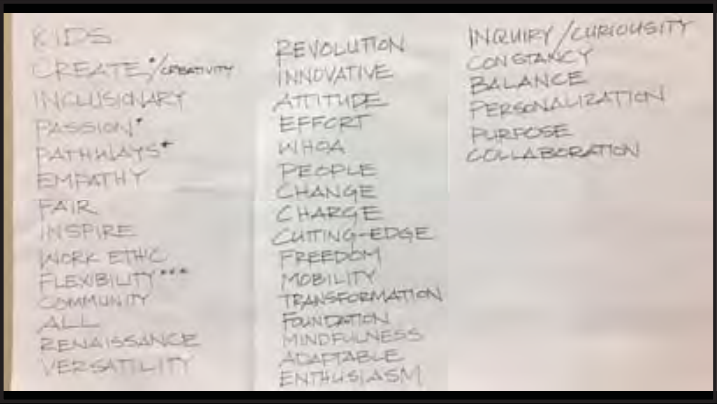






Agenda			
12:30	Greetings and Informal Interaction	3:00	Break
12:45	Welcome – Dr. Debbie Hamm Dr. Baron Davis	3:15	Small Group Discussion: Guiding Principles
12:50	Introductions Goals/Objectives/Process Aspirational Word/Object	4:00	Small Group Report Out (5 MINUTES EACH)
1:30	Presentation – Richland 2 Curricular Direction	4:45	Closing Remarks and Next Steps
2:00	Presentation/Discussion - Living in Beta: The Landscape of Future Ready Schools		

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WORKSHOP COLLATERAL: JUNE 26, 2017

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agenda - day two

RSD2

27 June 2007

	Richland School District Two District-wide Programming Workshop Day 2 High School Programming
8:00	Continental Breakfast
8:15	Greetings and informal interaction
8:30	Welcome and Review of Agenda - Steve Turckes
8:45	Presentation - Steve Turckes and Aimee Eckmann Current RSD2 High School Program Seven Planning Areas
9:30	Small Group Discussions <i>Each group will review the existing space program for a planning area and discuss a series of questions relative to that area.</i>
10:30	Break
10:45	Small Group Reports <i>Small groups report out - 7-8 minutes each</i>
11:45	Lunch (on your own)
12:45	Presentation - Aimee Eckmann Bubble Diagramming 101
1:00	Small Group Discussions <i>Each group will conceptualize ideal planning diagrams for their planning area as well as how that area relates to the other planning areas.</i>
2:00	Small Group Reports <i>Small groups report out - 7-8 minutes each</i>
3:00	Break
3:15	Large Group Discussion <i>Common threads from small group discussions and finalization of total building diagram</i>
3:45	Closing Remarks

DISTRICT-WIDE PROGRAMMING/Planning Workshop
Day 2 - High Schools

FACILITATORS:
Steve Turckes, *Architect, Perkins+Will*
Aimee Eckmann, *Architect, Perkins+Will*
Doug Quackenbush, *Architect, Quackenbush Architects*

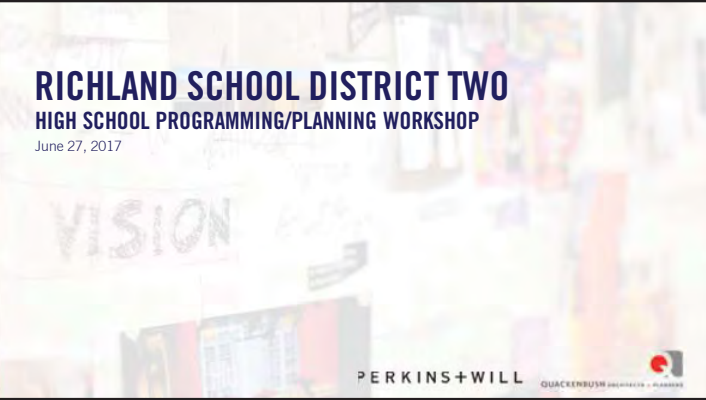
ATTENDEES:
Janie Kronk, *Architect, Quackenbush Architects*
Shelley Allen, *Executive Director of Finance*
Will Anderson, *Director of Planning*
Mary Paige Boyce, *Team Leader for CATE*
Jack Carter, *Chief Operations Officer*
Tom Cranmer, *Chief of IT*
Marshallynn Franklin, *Asst. Superintendent*
Helen Grant, *Chief Diversity and Multicultural Inclusion Officer*
Nancy Gregory, *Chief Instructional Officer*
Debbie Hamm, *Superintendent*
Libby Roof, *Chief Communications Officer*
James Ann Sheley, *Asst. Superintendent*
Shawn Suber, *Special Projects*
Ed Watson, *Manger of New Construction and Design*
Cleveland Smith, *Administrative Services*
Kelli Johnson, *ISS/R2i2*
Shawn Williams, *Chief Human Resources Officer*
Kevin Alberse, *Director, R2i2*
Jim Childers, *AP, Spring Valley High School*
David Gordon, *AP, Ridge View High School*
Cheryl Guy, *Principal, Westwood High School*
Barry Mizell, *Athletic Director, Blythewood High School*
Marriah Schwallier, *High School Lead*
Matt Sherman, *AP, Blythewood High School*
Joe Watson, *AP, Richland Northeast High School*

WORKSHOP COLLATERAL: JUNE 27, 2017


RICHLAND SCHOOL DISTRICT TWO

HIGH SCHOOL PROGRAMMING/PLANNING WORKSHOP

June 27, 2017

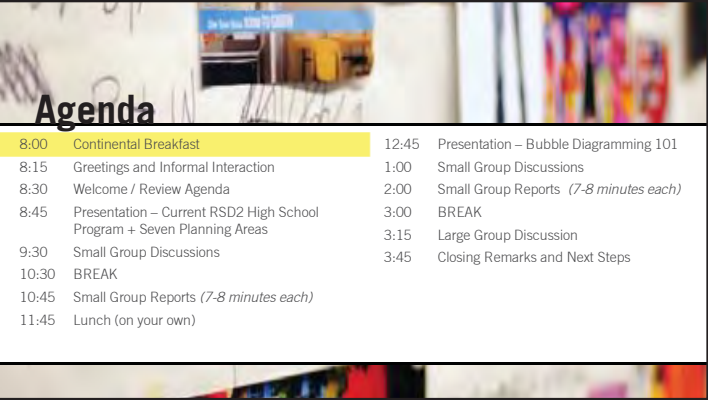


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Agenda

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11:45	Lunch (on your own)		



GUIDING PRINCIPLES - OUR RICHLAND 2 SCHOOL FACILITIES WILL BE:

- Safe and secure
- Student-centered
- Welcoming and supportive to the community
- Flexible and multi-use
- Cutting-edge, innovative and joyful
- Interdisciplinary and collaborative
- Supportive of personal pathways
- Accessible
- Inclusive
- Sustainable
- Reflective of health and wellness
- Cost-effective and efficient



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GUIDING PRINCIPLES - OUR RICHLAND 2 SCHOOLS WILL SUPPORT:

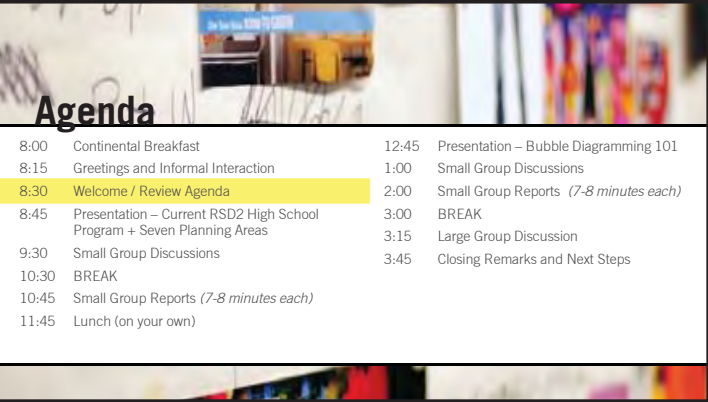
Learning Learning is the foundation of all that we do at Richland Two schools. We believe in a student-centered learning environment that is safe, secure, and supportive to the community. We believe in a learning environment that is flexible, multi-use, and joyful. We believe in a learning environment that is cutting-edge, innovative, and collaborative. We believe in a learning environment that is supportive of personal pathways. We believe in a learning environment that is accessible, inclusive, and sustainable. We believe in a learning environment that is reflective of health and wellness. We believe in a learning environment that is cost-effective and efficient.	Character Character is a building block in a great education. Positive character traits are essential to a student's success in school and in life. We believe in a character education program that is safe, secure, and supportive to the community. We believe in a character education program that is flexible, multi-use, and joyful. We believe in a character education program that is cutting-edge, innovative, and collaborative. We believe in a character education program that is supportive of personal pathways. We believe in a character education program that is accessible, inclusive, and sustainable. We believe in a character education program that is reflective of health and wellness. We believe in a character education program that is cost-effective and efficient.
Community The school is a place of learning and growth. We believe in a community that is safe, secure, and supportive to the community. We believe in a community that is flexible, multi-use, and joyful. We believe in a community that is cutting-edge, innovative, and collaborative. We believe in a community that is supportive of personal pathways. We believe in a community that is accessible, inclusive, and sustainable. We believe in a community that is reflective of health and wellness. We believe in a community that is cost-effective and efficient.	Partnership Partnership is a key to success. We believe in a partnership that is safe, secure, and supportive to the community. We believe in a partnership that is flexible, multi-use, and joyful. We believe in a partnership that is cutting-edge, innovative, and collaborative. We believe in a partnership that is supportive of personal pathways. We believe in a partnership that is accessible, inclusive, and sustainable. We believe in a partnership that is reflective of health and wellness. We believe in a partnership that is cost-effective and efficient.

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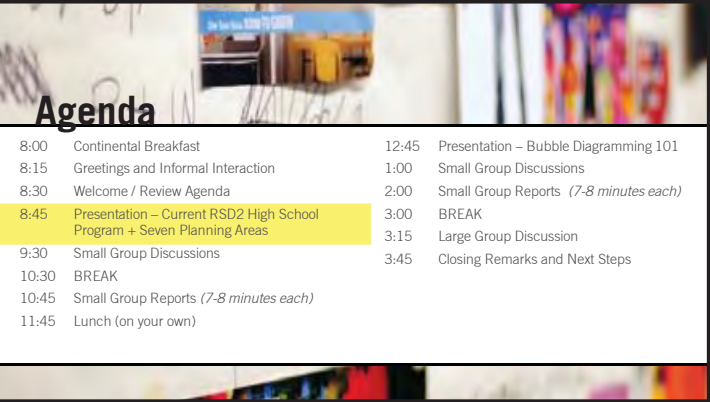
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PLANNING AREAS

1. Student Learning Spaces
2. Professional Spaces
3. Community & Stakeholder Spaces
4. Media Spaces
5. Fitness and Wellness Spaces
6. Visual and Performing Arts Spaces
7. Facility Support Spaces




PLANNING AREAS

1. Student Learning Spaces

Typical Spaces

- Core Academic Classrooms
- Special Education
- Informal Teaching and Learning
- Small Group
- Student Storage (lockers? Cubbies?)
- Student Toilets
- Faculty Planning (overlap with Area 2)




PLANNING AREAS


1. Student Learning Spaces

Important Concepts / Considerations

- Student-centered
- Flexibility and Agility
- Variety (size + type)
- Transparency
- Collaboration
- Display of Student Work (analogue and digital)
- Shared Use
- Integration of Teacher Planning

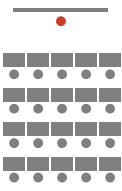


PLANNING AREAS



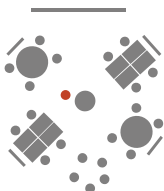
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Change...



20th Century

- Teacher-centered
- Passive learning
- Organized by age/subject
- Rote memorization
- Industrial efficiency



21st Century

- Student-centered
- Active learning
- Multi-age learning communities
- Project based and experiential
- Students not tied to fixed location

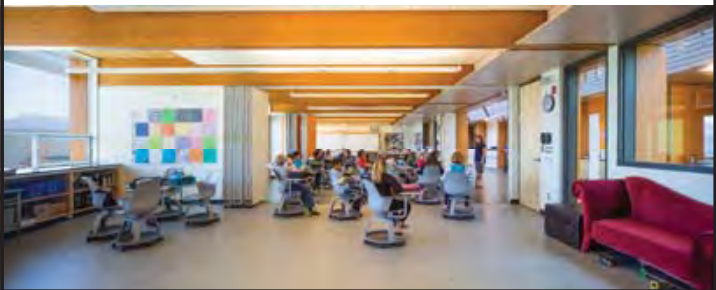
PROVIDES FLEXIBILITY



PROVIDES FLEXIBILITY



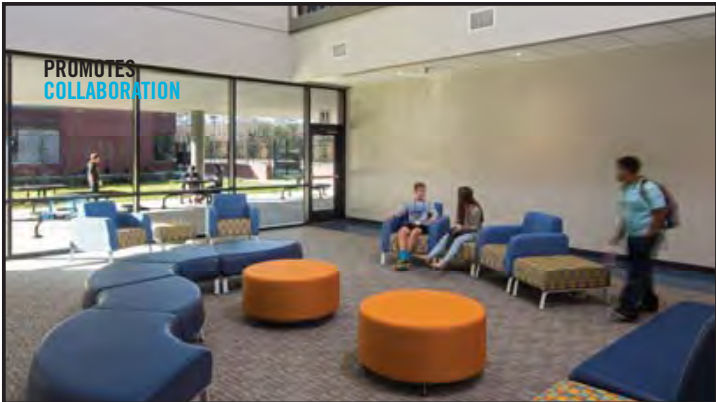
PROVIDES FLEXIBILITY




PROMOTES COLLABORATION



PROMOTES COLLABORATION



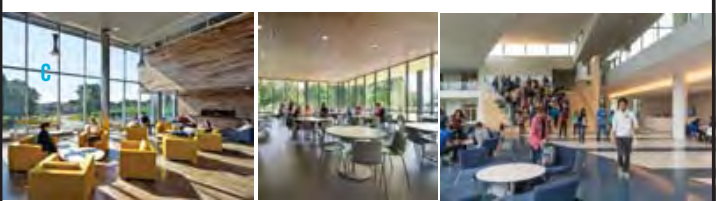
PROMOTES COLLABORATION



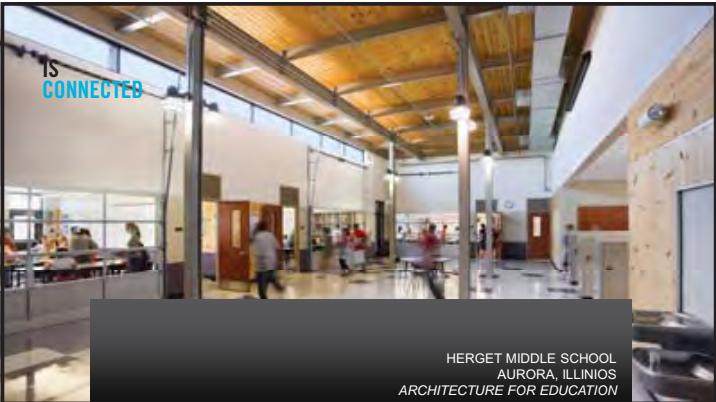
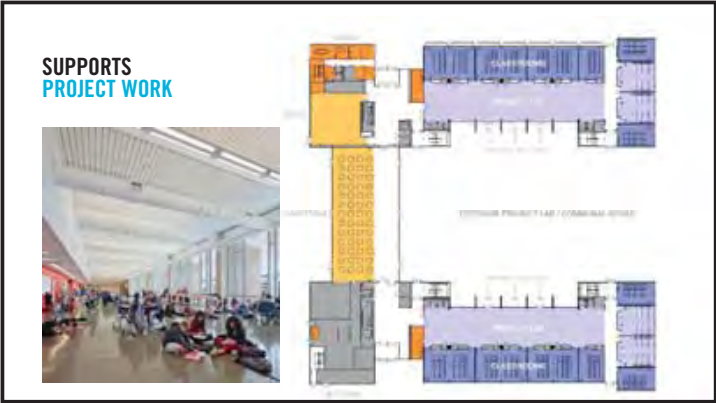
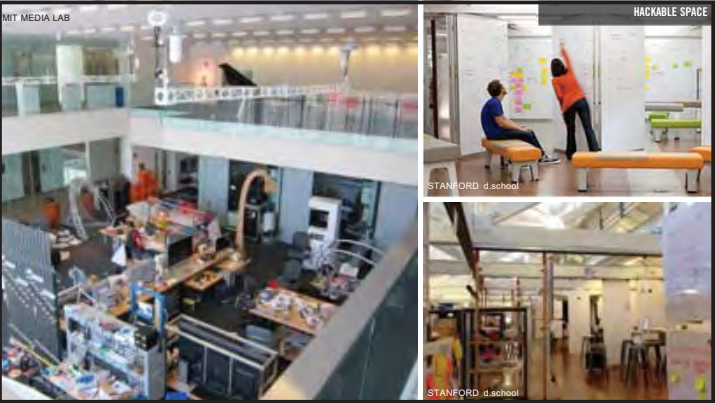
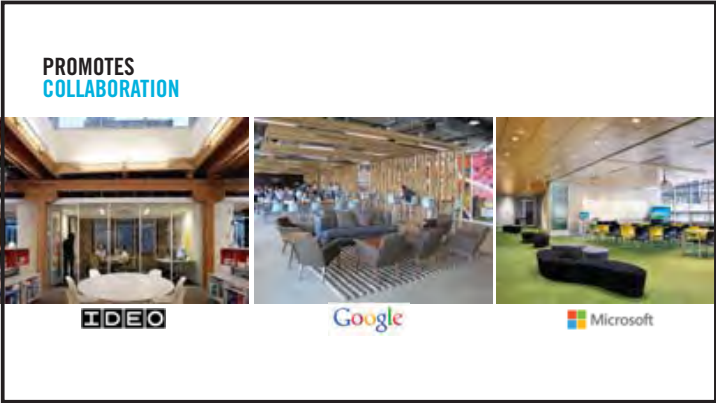
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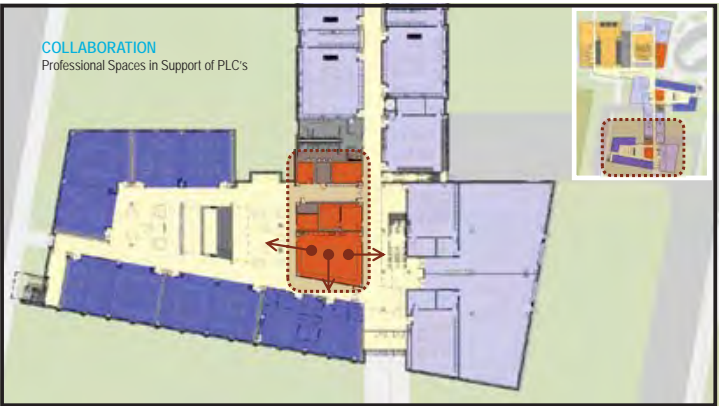
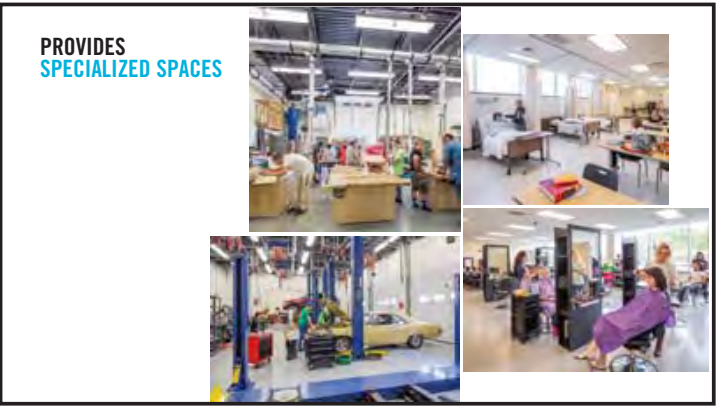
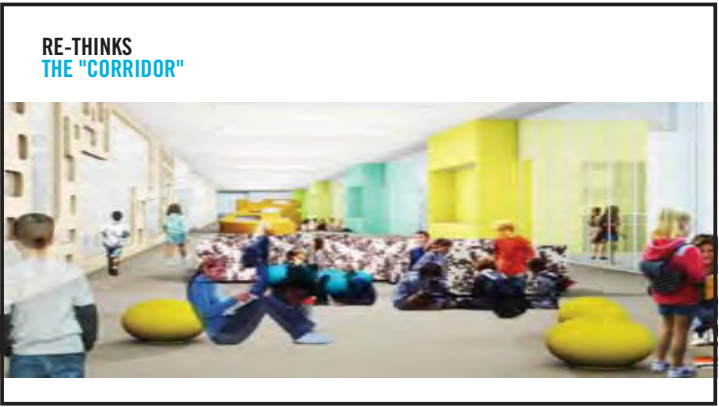
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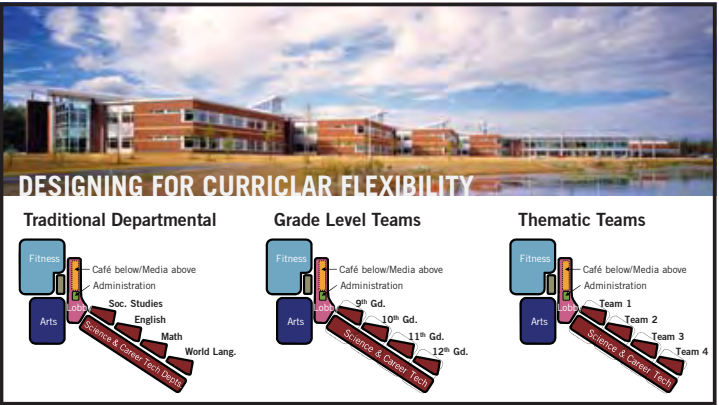
PROMOTES COLLABORATION



WORKSHOP COLLATERAL: JUNE 27, 2017







PLANNING AREAS



1. Student Learning Spaces



2. Professional Spaces



3. Community & Stakeholder Spaces



4. Media Spaces



5. Fitness and Wellness Spaces



6. Visual and Performing Arts Spaces



7. Facility Support Spaces

PLANNING AREAS



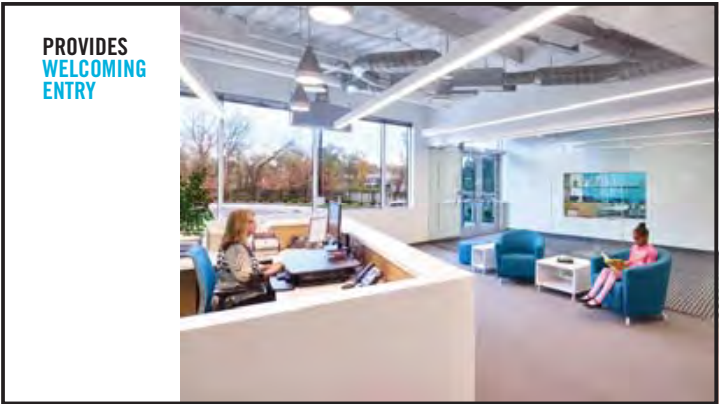
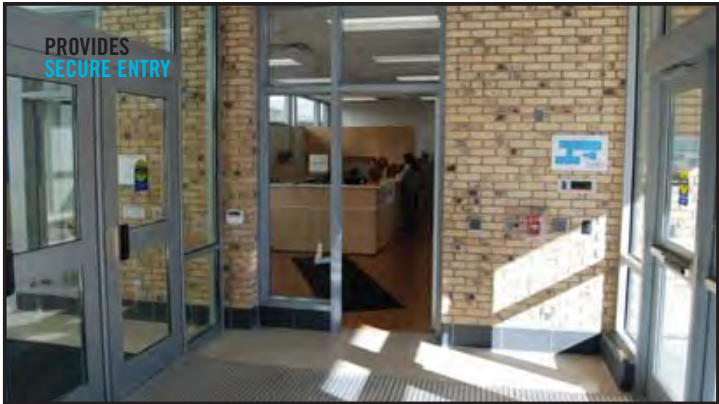
2. Professional Spaces

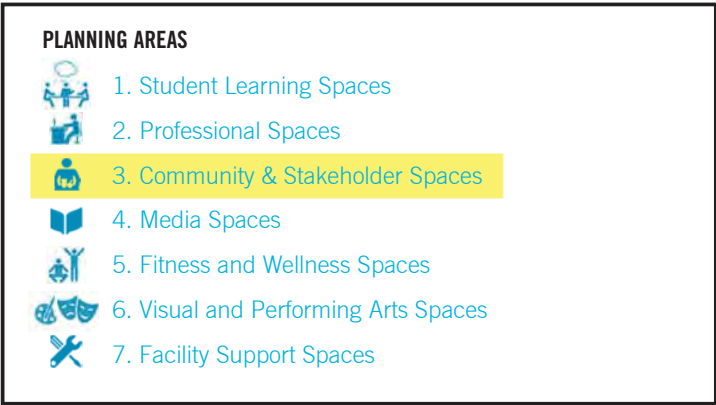
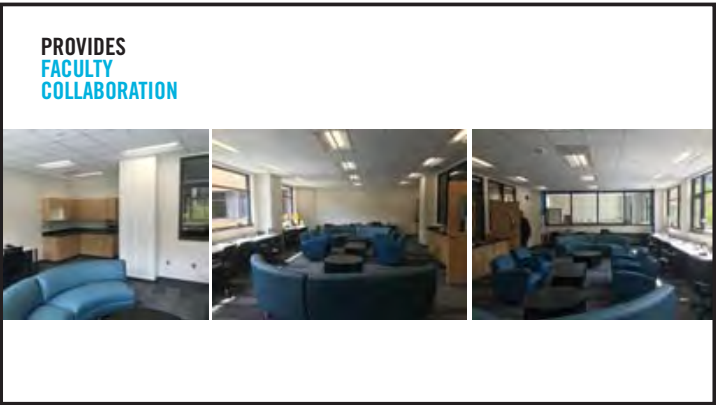
Typical Spaces

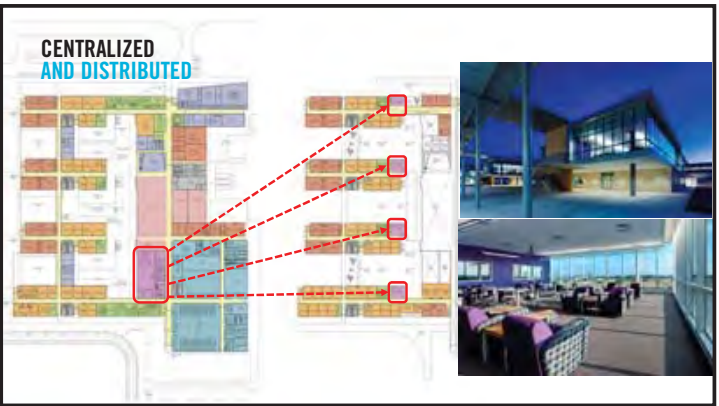
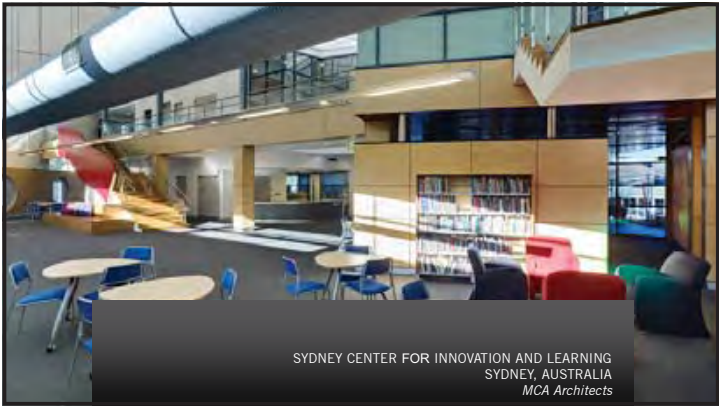
- Central Administration
- Clinic
- Guidance

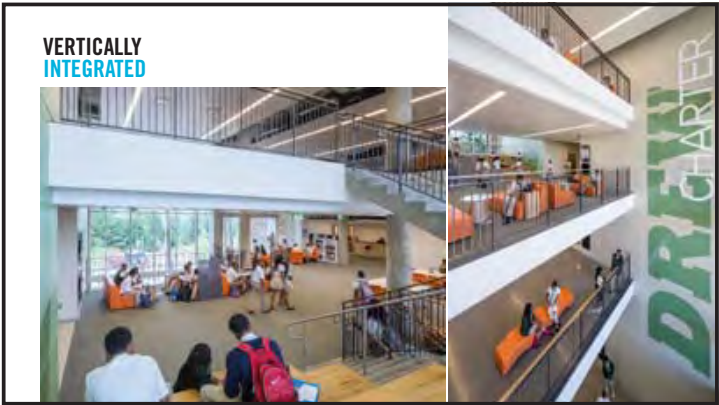
Important Concepts / Considerations

- Safety and Security (secure entry, location of SRO)
- Location of Clinic
- Location of Guidance









PLANNING AREAS

- 1. Student Learning Spaces
- 2. Professional Spaces
- 3. Community & Stakeholder Spaces
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- 6. Visual and Performing Arts Spaces
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PLANNING AREAS

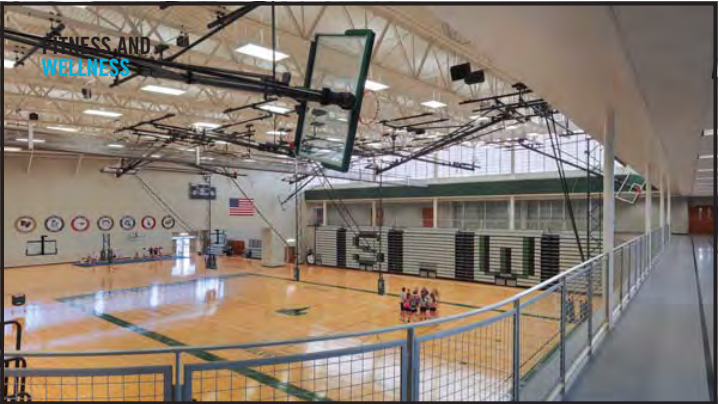
5. Fitness and Wellness Spaces

Typical Spaces

- Gym(s)
- Fitness Room, Wrestling
- Support Spaces (locker rooms, trainer, office, storage)
- Outdoor Playfields

Important Concepts / Considerations

- Zoning for Evening and Weekend Use
- Proximity of Indoor to Outdoor Functions

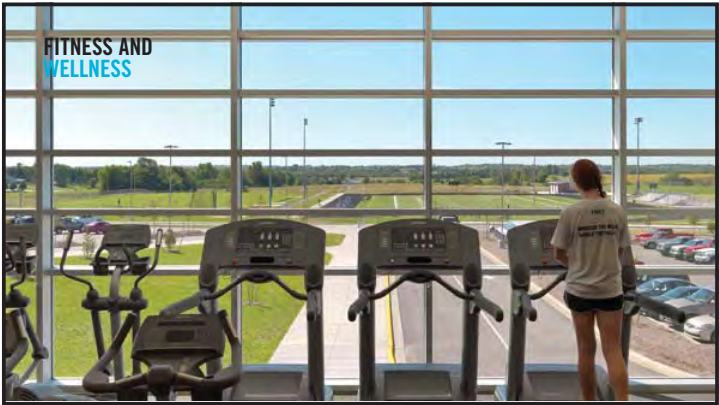


Main Gym

Auxiliary Gym

Flexible





PLANNING AREAS

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PLANNING AREAS

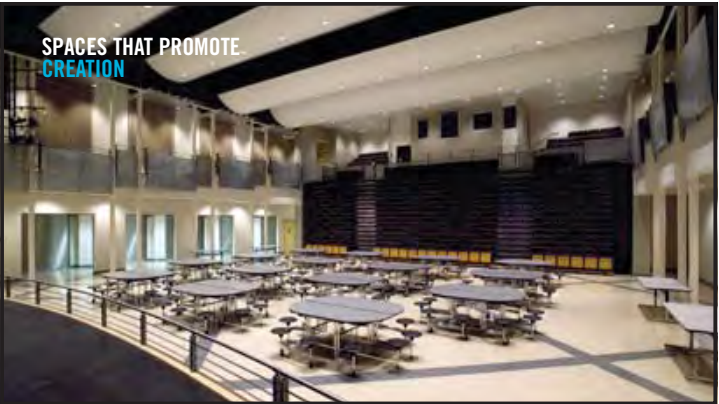
6. Visual and Performing Arts

Typical Spaces

- Art
- Music Spaces (vocal, instrumental, Orchestra)
- Drama (classroom, stage)
- Theater + Back-of-House

Important Concepts / Considerations

- Location Relative to Core
- Display of Student Work (analogue and digital)
- Proximity of Music to Theater

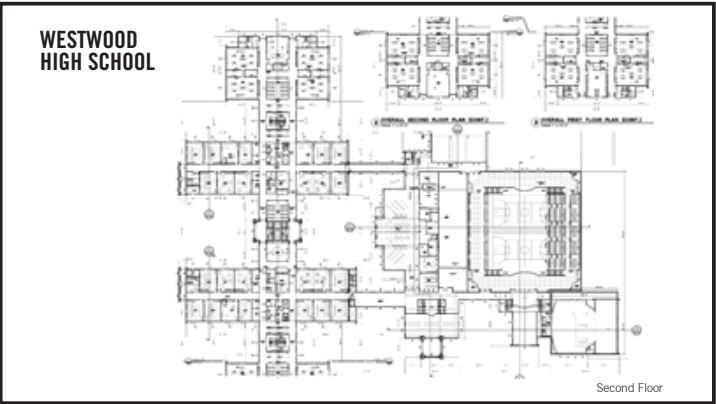
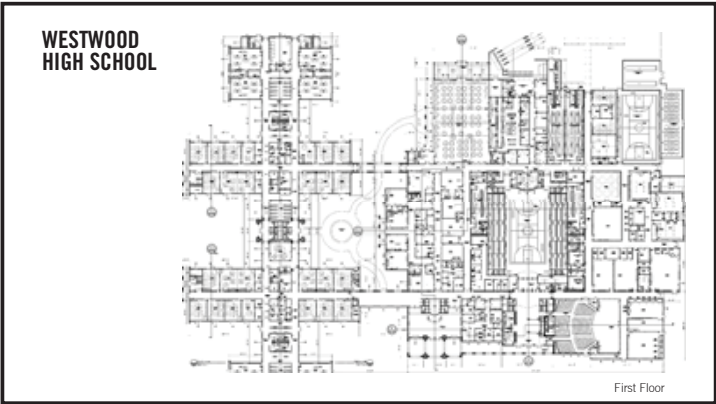


WORKSHOP COLLATERAL: JUNE 27, 2017

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Your Task				
1) Review spaces in your assigned planning area				
- Are they the right spaces?				
- How should they change?				
Group 1	Group 2/3	Group 4	Group 5	Group 6
Mary Paige Boyce	Bobby Cunningham	Kevin Alberse	Jack Carter	Helen Grant
Wendy Campbell	Kelli Johnson	Shelley Allen	David Gordon	Debbie Hamm
Baron Davis	Libby Roof	Jim Childers	Harry Miley	Joe Paschal
Nancy Gregory	Matt Sherman	Tom Cranmer	Barry Mizell	James Ann Sheley
Cheryl Guy	Ed Watson	Marshalynn Franklin	Cleveland Smith	Joe Watson
Marriah Schwalle	Shawn Williams			
Dawne Whitley				

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	7. Facility Support Spaces

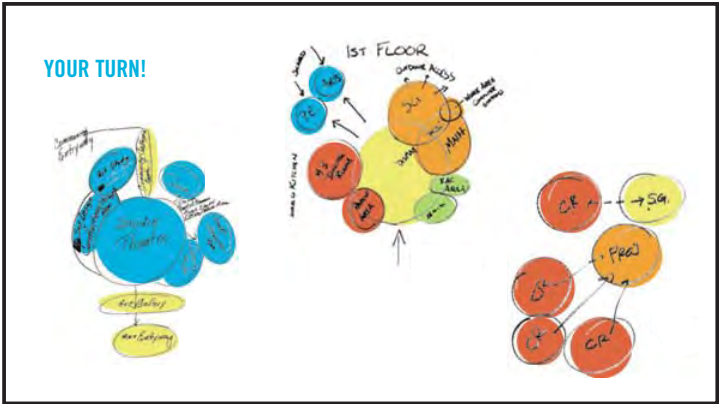
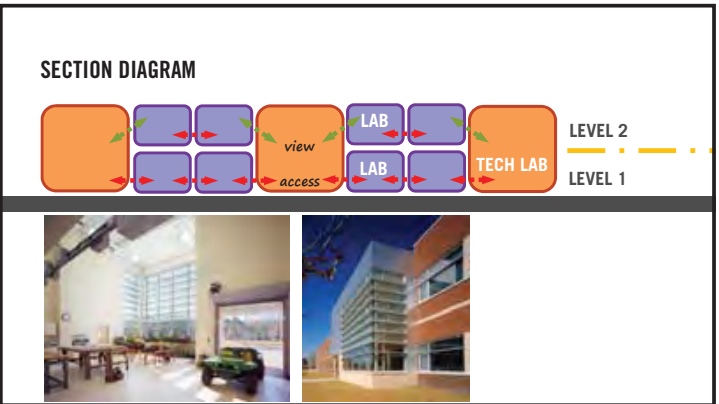
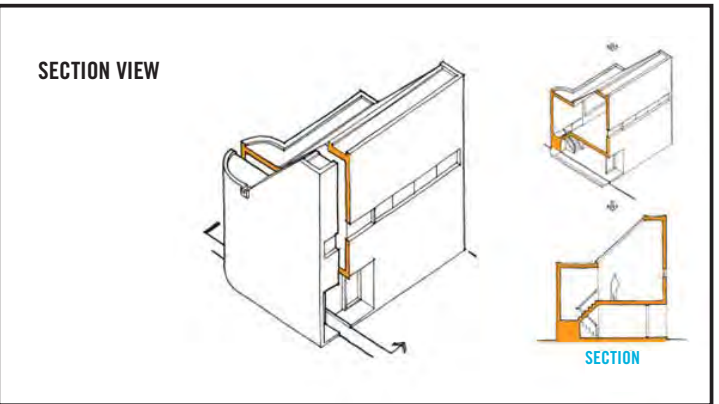
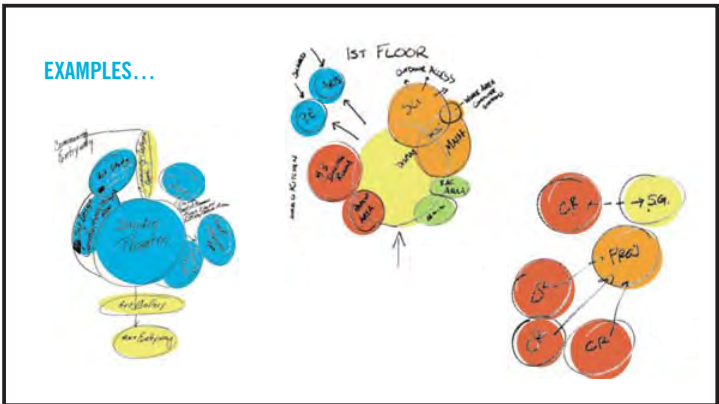
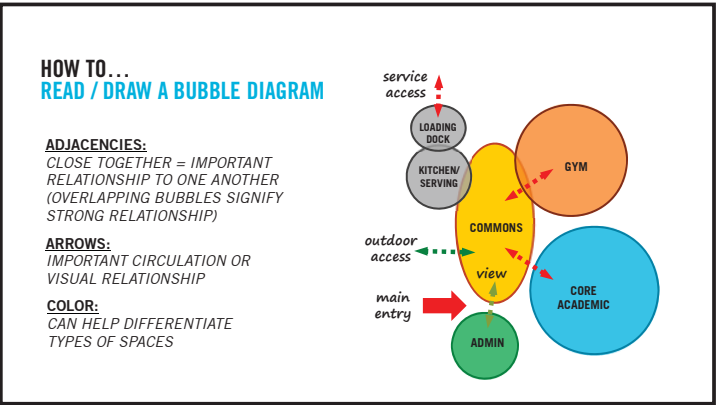
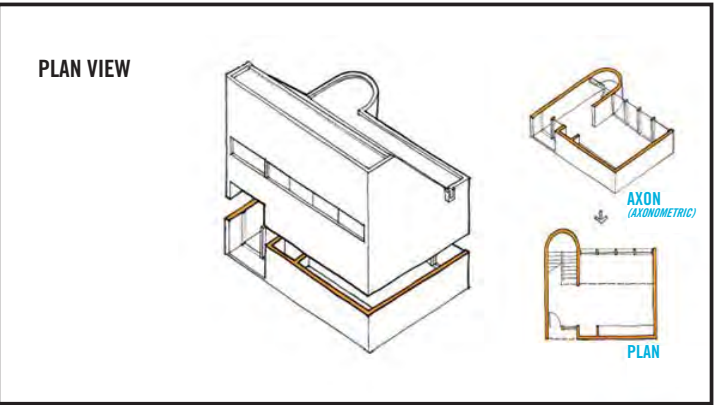
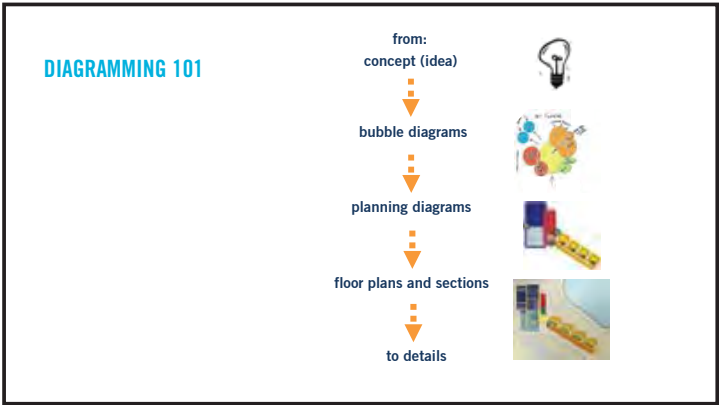


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8:15	Greetings and Informal Interaction	1:00	Small Group Discussions
8:30	Welcome / Review Agenda	2:00	Small Group Reports (7-8 minutes each)
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Your Task

- 1) Diagram your planning area spaces to illustrate the desired/ideal relationship between those spaces.
- 2) Contemplate how your planning area would ideally relate to other the other planning areas and diagram the entire building.

WORKSHOP COLLATERAL: JUNE 27, 2017

PLANNING AREAS

- 

1. Student Learning Spaces
- 

2. Professional Spaces
- 

3. Community & Stakeholder Spaces
- 

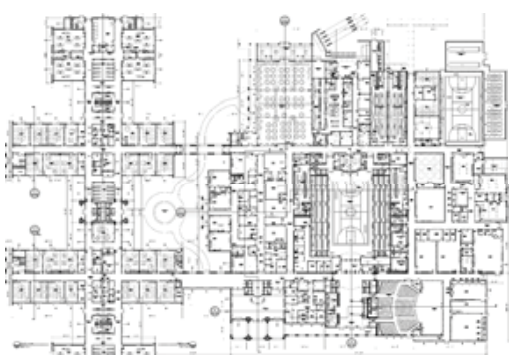
4. Media Spaces
- 

5. Fitness and Wellness Spaces
- 

6. Visual and Performing Arts Spaces
- 

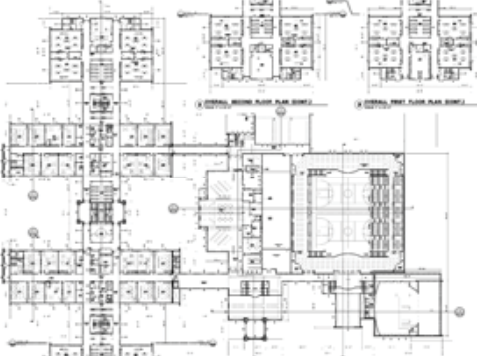
7. Facility Support Spaces

WESTWOOD
HIGH SCHOOL



First Floor

WESTWOOD
HIGH SCHOOL



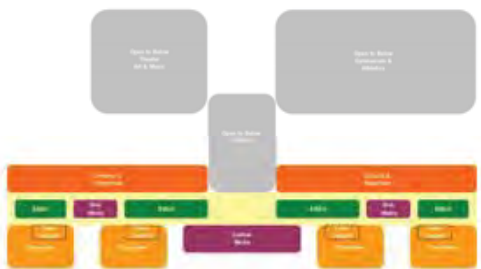
Second Floor

2007 HIGH SCHOOL DIAGRAM



First Floor

2007 HIGH SCHOOL DIAGRAM



Second Floor

Agenda

8:00	Continental Breakfast	12:45	Presentation – Bubble Diagramming 101
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WORKSHOP COLLATERAL: JUNE 28, 2017



agenda - day three

RSD2

28 June 2007

	Richland School District Two District-wide Programming Workshop Day 3 Middle School Programming
8:00	Continental Breakfast
8:15	Greetings and informal interaction
8:30	Welcome and Review of Agenda - Steve Turckes
8:45	Presentation - Steve Turckes and Aimee Eckmann Current RSD2 Middle School Program Seven Planning Areas
9:30	Small Group Discussions <i>Each group will review the existing space program for a planning area and discuss a series of questions relative to that area.</i>
10:30	Break
10:45	Small Group Reports <i>Small groups report out - 7-8 minutes each</i>
11:45	Lunch (on your own)
12:45	Presentation - Aimee Eckmann Bubble Diagramming 101
1:00	Small Group Discussions <i>Each group will conceptualize ideal planning diagrams for their planning area as well as how that area relates to the other planning areas.</i>
2:00	Small Group Reports <i>Small groups report out - 7-8 minutes each</i>
3:00	Break
3:15	Large Group Discussion <i>Common threads from small group discussions and finalization of total building diagram</i>
3:45	Closing Remarks

DISTRICT-WIDE PROGRAMMING/Planning Workshop
Day 3 - Middle Schools

FACILITATORS:
Steve Turckes, *Architect, Perkins+Will*
Aimee Eckmann, *Architect, Perkins+Will*
Doug Quackenbush, *Architect, Quackenbush Architects*

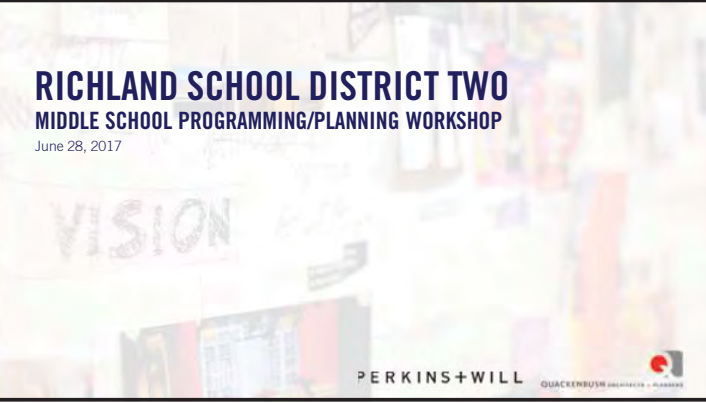
ATTENDEES:
Janie Kronk, *Architect, Quackenbush Architects*
Will Anderson, *Director of Planning*
Marshalynn Franklin, *Asst. Superintendent*
Helen Grant, *Chief Diversity and Multicultural Inclusion Officer*
Harry Miley, *Chief Financial Officer*
Libby Roof, *Chief Communications Officer*
James Ann Sheley, *Asst. Superintendent*
Shawn Suber, *Special Projects*
Ed Watson, *Manger of New Construction and Design*
Cleveland Smith, *Administrative Services*
Catherine Campbell, *Visual Arts, Dent Middle School*
Grady Haltiwanger, *Kelly Mill Middle School*
Vincent McClinton, *AP, Summit Parkway Middle School*
April Shell, *Principal, Summit Parkway Middle School*
Janice Wylie, *TLC, Summit Parkway Middle School*
Marie Kretsus

WORKSHOP COLLATERAL: JUNE 28, 2017


RICHLAND SCHOOL DISTRICT TWO

MIDDLE SCHOOL PROGRAMMING/PLANNING WORKSHOP

June 28, 2017

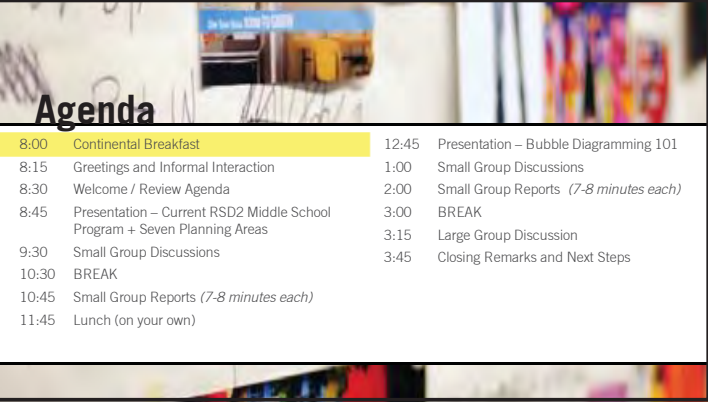


PERKINS+WILL




Agenda

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GUIDING PRINCIPLES - OUR RICHLAND 2 SCHOOL FACILITIES WILL BE:

- Safe and secure
- Student-centered
- Welcoming and supportive to the community
- Flexible and multi-use
- Cutting-edge, innovative and joyful
- Interdisciplinary and collaborative
- Supportive of personal pathways
- Accessible
- Inclusive
- Sustainable
- Reflective of health and wellness
- Cost-effective and efficient

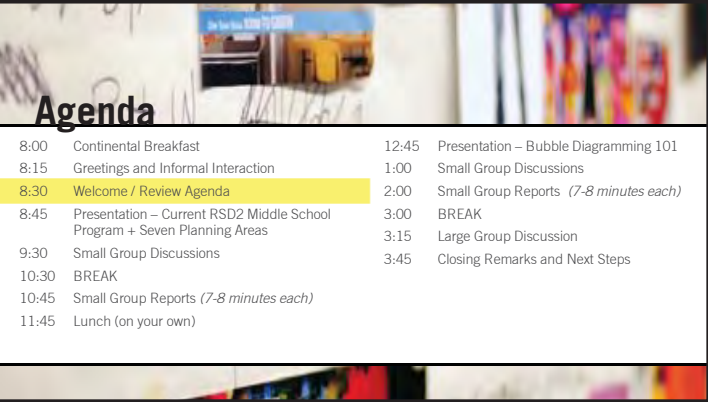


GUIDING PRINCIPLES - OUR RICHLAND 2 SCHOOLS WILL SUPPORT:

Learning Learning is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students. Learning is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students.	Equity Equity is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students. Equity is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students.
Community Community is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students. Community is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students.	Wellness Wellness is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students. Wellness is the cornerstone of school life. Richland Two schools will provide a safe, secure, and supportive environment for all students.

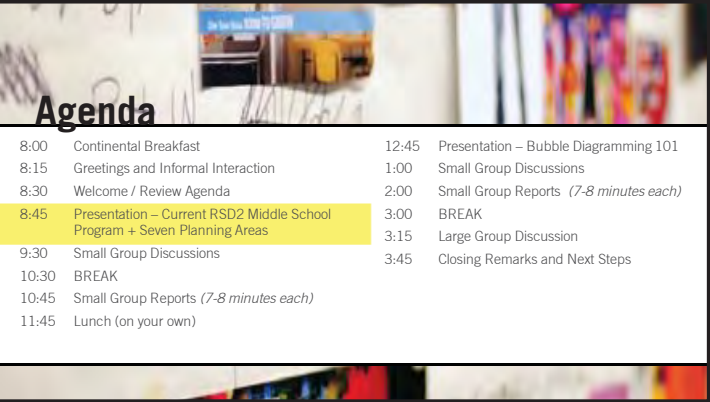
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PLANNING AREAS

1. Student Learning Spaces
2. Professional Spaces
3. Community & Stakeholder Spaces
4. Media Spaces
5. Fitness and Wellness Spaces
6. Visual and Performing Arts Spaces
7. Facility Support Spaces

PLANNING AREAS




1. Student Learning Spaces

Typical Spaces

- Core Academic Classrooms
- Special Education
- Informal Teaching and Learning
- Small Group
- Student Storage (lockers? Cubbies?)
- Student Toilets
- Faculty Planning (overlap with Area 2)

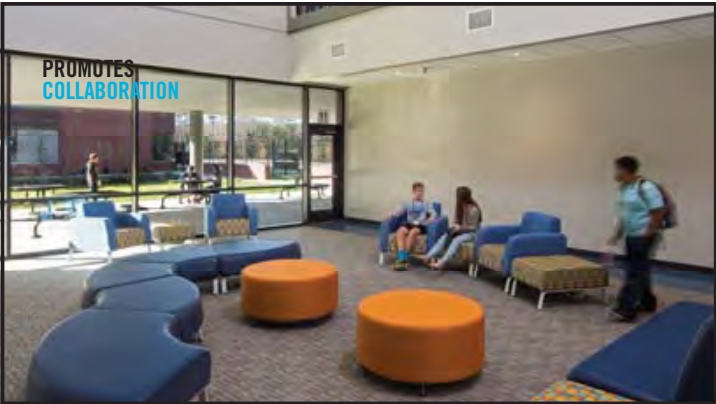
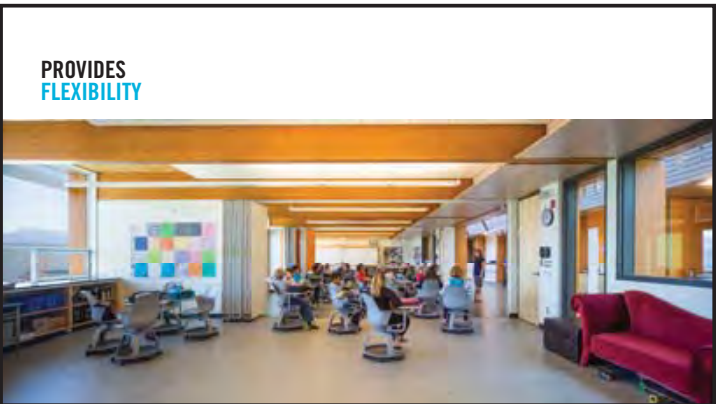
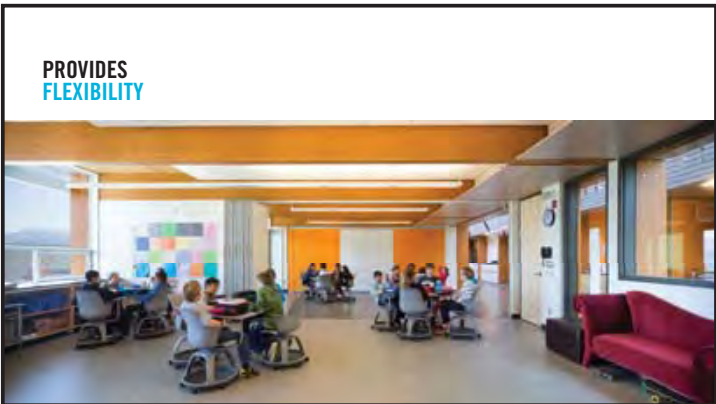
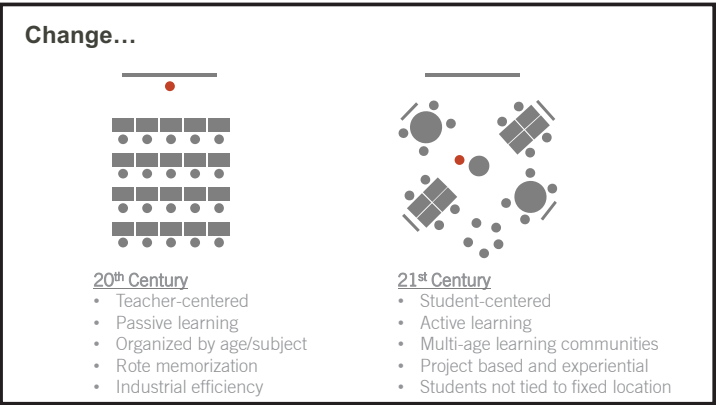
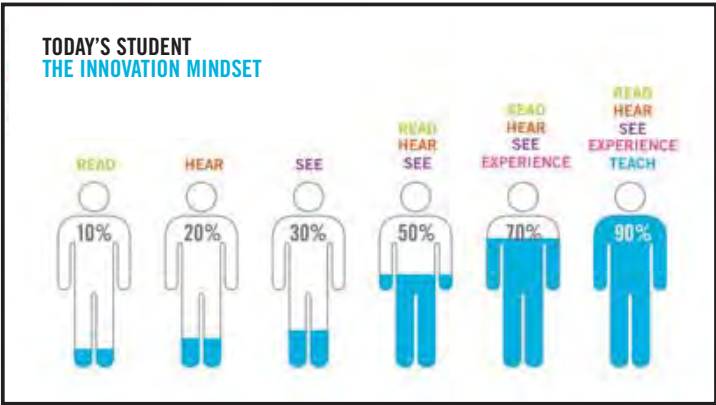
PLANNING AREAS

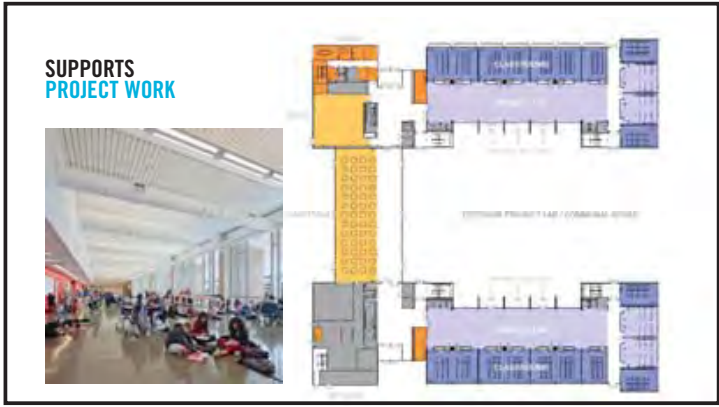
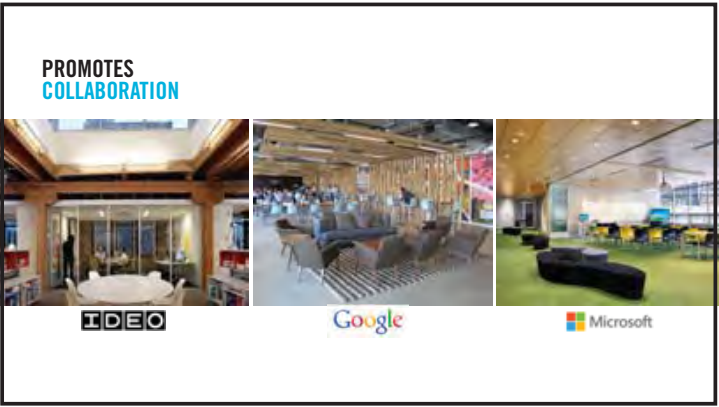
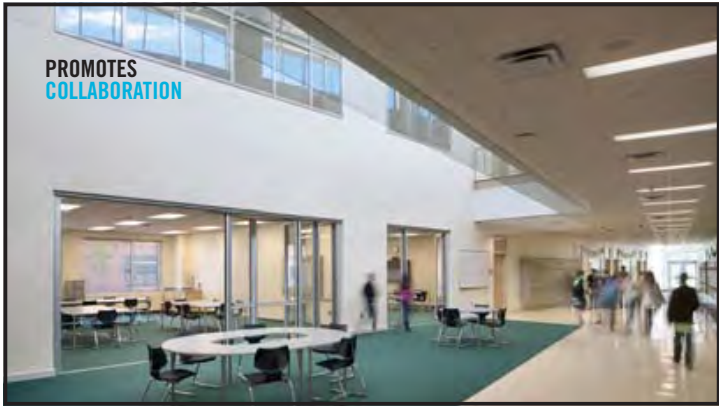


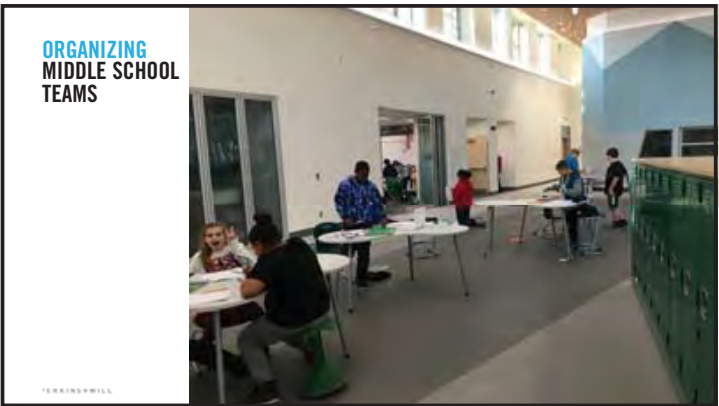
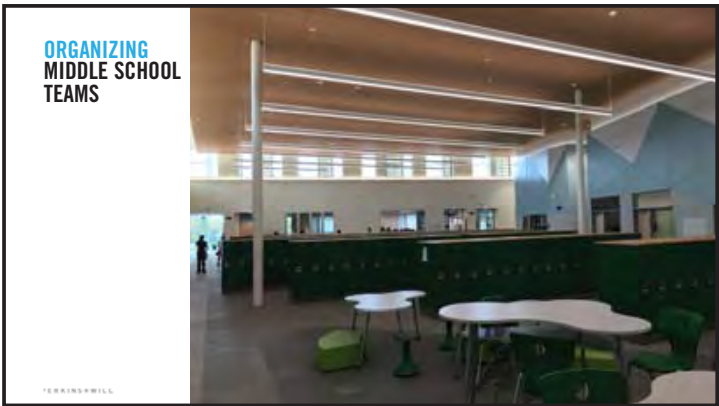
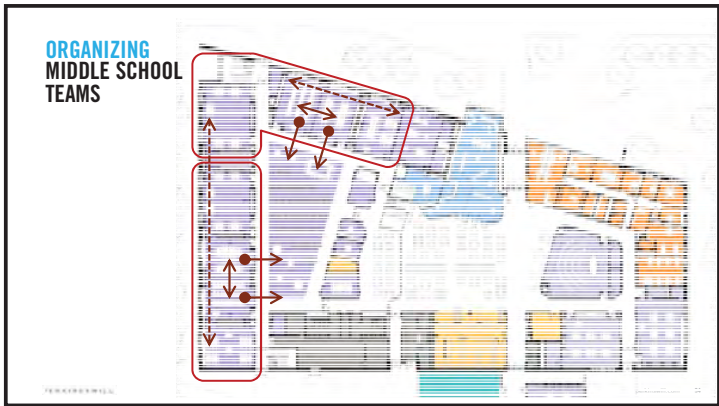
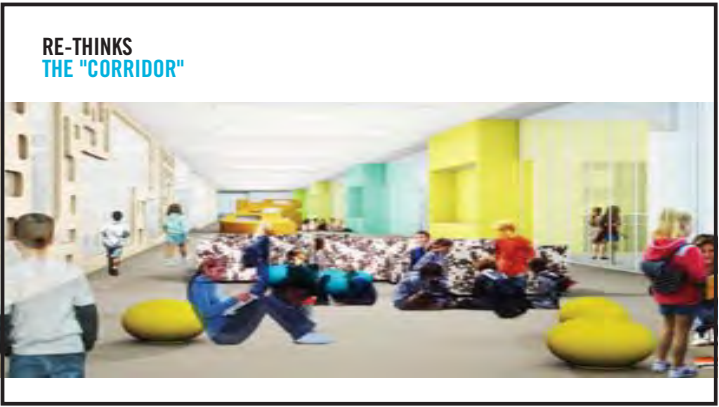
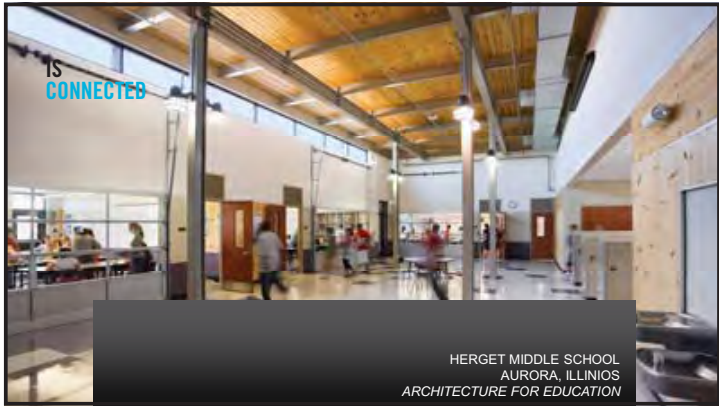
1. Student Learning Spaces

Important Concepts / Considerations

- Student-centered
- Flexibility and Agility
- Variety (size + type)
- Transparency
- Collaboration
- Display of Student Work (analogue and digital)
- Shared Use
- Integration of Teacher Planning







PLANNING AREAS



1. Student Learning Spaces



2. Professional Spaces



3. Community & Stakeholder Spaces



4. Media Spaces



5. Fitness and Wellness Spaces



6. Visual and Performing Arts Spaces



7. Facility Support Spaces

PLANNING AREAS



2. Professional Spaces

Typical Spaces

- Central Administration
- Clinic
- Guidance

Important Concepts / Considerations

- Safety and Security (secure entry, location of SRO)
- Location of Clinic
- Location of Guidance

PROVIDES
SECURE ENTRY



PROVIDES
WELCOMING
ENTRY



PROVIDES
MEETING SPACE



PROVIDES
FACULTY
COLLABORATION



PLANNING AREAS



1. Student Learning Spaces



2. Professional Spaces



3. Community & Stakeholder Spaces



4. Media Spaces



5. Fitness and Wellness Spaces



6. Visual and Performing Arts Spaces



7. Facility Support Spaces

PLANNING AREAS



3. Community and Stakeholder Spaces

Typical Spaces

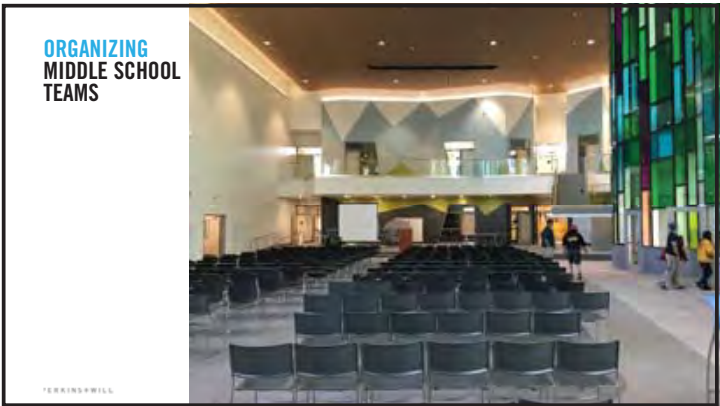
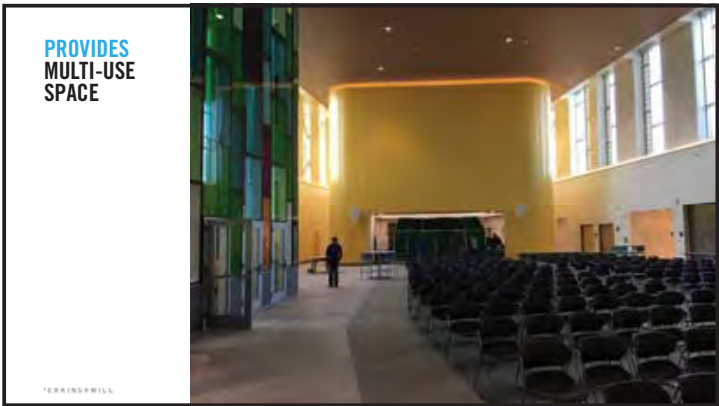
- Lobbies
- Dining Commons
- Kitchen/Serving

Important Concepts / Considerations

- Multi-use Space
- Zoning for After-hours Use
- Adjacency to Service (materials in / garbage out)

PROVIDES
WELCOMING LOBBY





PLANNING AREAS

- 1. Student Learning Spaces
- 2. Professional Spaces
- 3. Community & Stakeholder Spaces
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PLANNING AREAS

4. Media Spaces

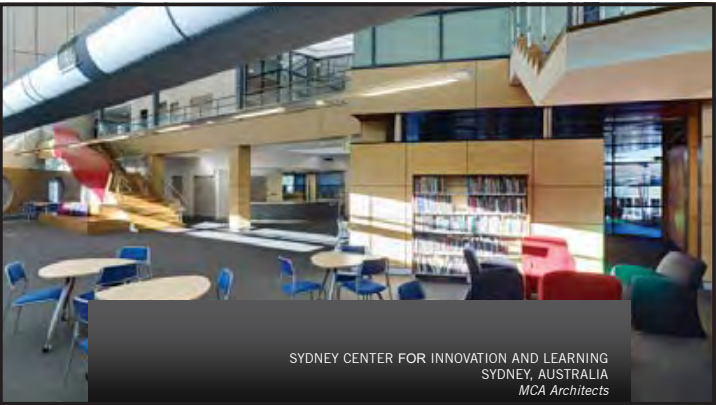
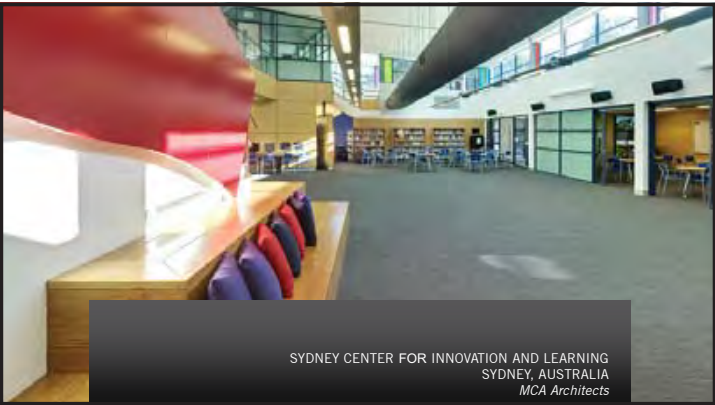
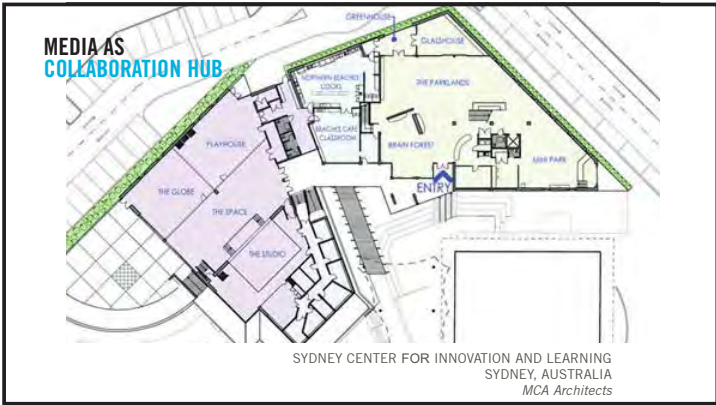
Typical Spaces

- Media Center
- Media Support (work/office)
- Media Tech (video projection/editing)
- Maker Space?

Important Concepts / Considerations

- Active / Engaging
- Pivot from Consumption to Creation
- Location (centralized vs. distributed?)







PLANNING AREAS

- 1. Student Learning Spaces
- 2. Professional Spaces
- 3. Community & Stakeholder Spaces
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PLANNING AREAS

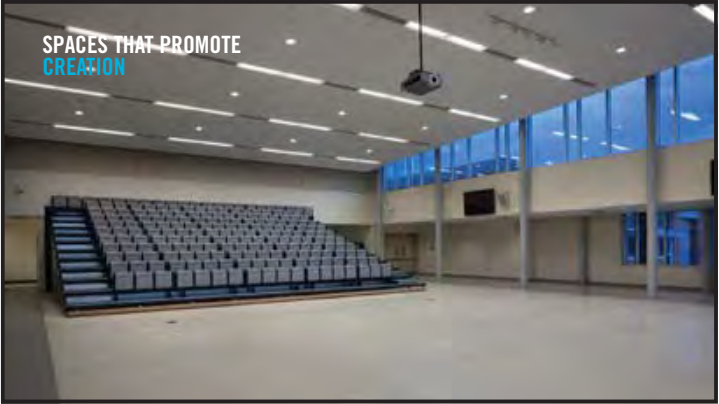
6. Visual and Performing Arts

Typical Spaces

- Art
- Music Spaces (vocal, instrumental, Orchestra)
- Drama (classroom, stage)
- Theater + Back-of-House

Important Concepts / Considerations

- Location Relative to Core
- Display of Student Work (analogue and digital)
- Proximity of Music to Theater



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Your Task

1) Review spaces in your assigned planning area

- Are they the right spaces?
- How should they change?

Group 1

Mary Paige Boyce
Katinia Davis
Grady Haltiwanger
April Shell
Dawne Whitley

Group 2/3

Kelli Johnson
Libby Roof
Ed Watson
Shawn Williams

Group 4

Shelley Allen
Tom Cranmer
Marshaynn Franklin
Janice Wylie

Group 5

Jack Carter
Vincent McClinton
Harry Miley
Cleveland Smith

Group 6

Catherine Campbell
Helen Grant
Debbie Hamm
James Ann Sheley

PLANNING AREAS

 1. Student Learning Spaces

 2. Professional Spaces

 3. Community & Stakeholder Spaces

 4. Media Spaces


 5. Fitness and Wellness Spaces

 6. Visual and Performing Arts Spaces

 7. Facility Support Spaces

MULLER ROAD MIDDLE SCHOOL


1. LOBBY
2. ADMINISTRATION
3. GRADE-LEVEL SMALL LEARNING COMMUNITY
4. COLLABORATIVE PROJECT AREA
5. ART AND TECHNOLOGY CAFETERIA/COMMONS
6. KITCHEN/SERVICE
7. FITNESS AND WELLNESS
9. MUSIC
10. SECURE COURTYARD
11. MEDIA CENTER



First Floor

MULLER ROAD MIDDLE SCHOOL

1. LOBBY
2. ADMINISTRATION
3. GRADE-LEVEL SMALL LEARNING COMMUNITY
4. COLLABORATIVE PROJECT AREA
5. ART AND TECHNOLOGY CAFETERIA/COMMONS
6. KITCHEN/SERVICE
7. FITNESS AND WELLNESS
9. MUSIC
10. SECURE COURTYARD
11. MEDIA CENTER



Second Floor

Agenda

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11:45 Lunch (on your own)

12:45 Presentation – Bubble Diagramming 101
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3:00 BREAK
3:15 Large Group Discussion
3:45 Closing Remarks and Next Steps

Agenda

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3:45 Closing Remarks and Next Steps

Agenda

8:00 Continental Breakfast
8:15 Greetings and Informal Interaction
8:30 Welcome / Review Agenda
8:45 Presentation – Current RSD2 Middle School Program + Seven Planning Areas
9:30 Small Group Discussions
10:30 BREAK
10:45 Small Group Reports (7-8 minutes each)
11:45 Lunch (on your own)

12:45 Presentation – Bubble Diagramming 101
1:00 Small Group Discussions
2:00 Small Group Reports (7-8 minutes each)
3:00 BREAK
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3:45 Closing Remarks and Next Steps

DIAGRAMMING 101


from:
concept (idea)

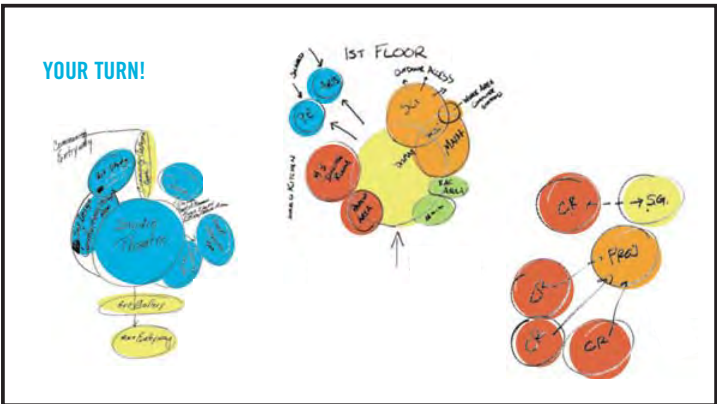
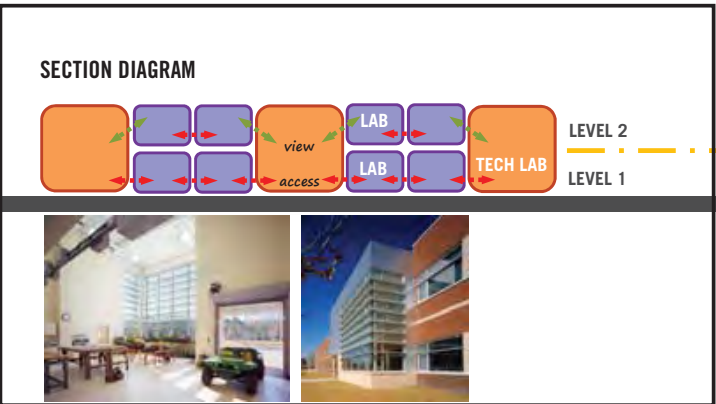
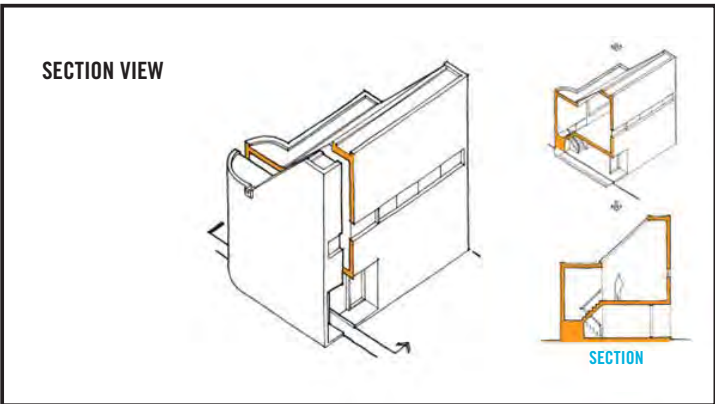
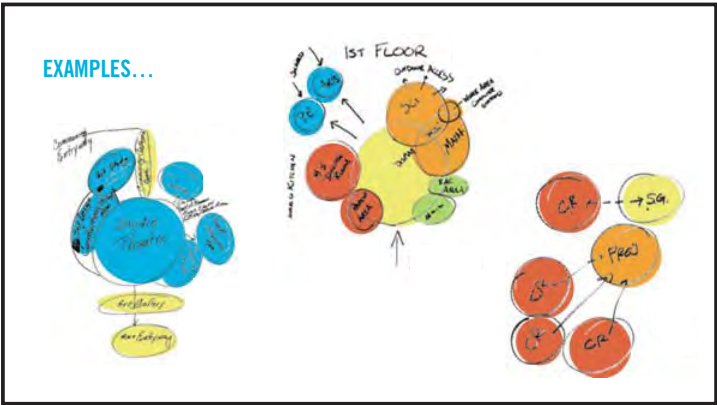
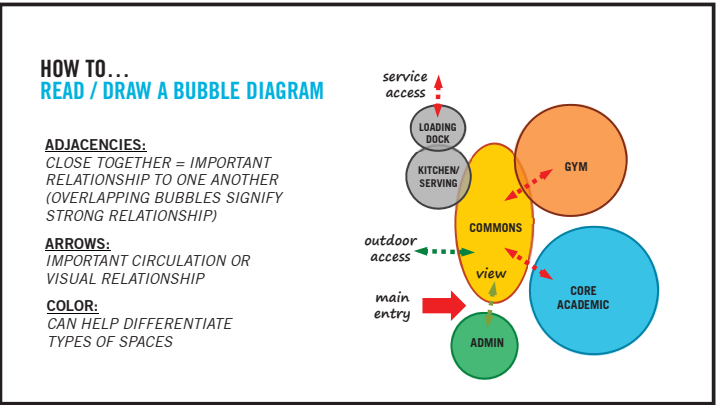
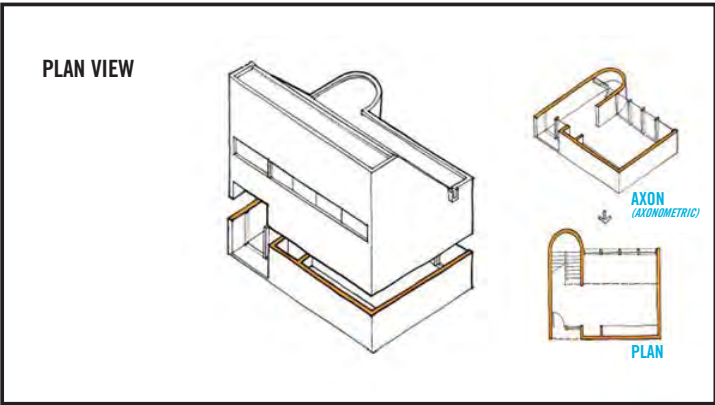
bubble diagrams

planning diagrams

floor plans and sections

to details





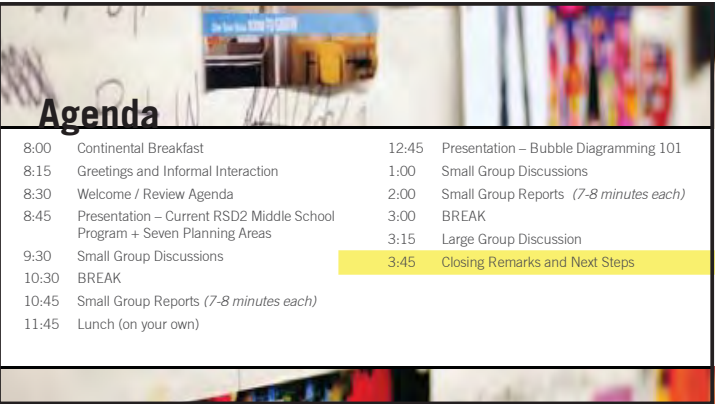
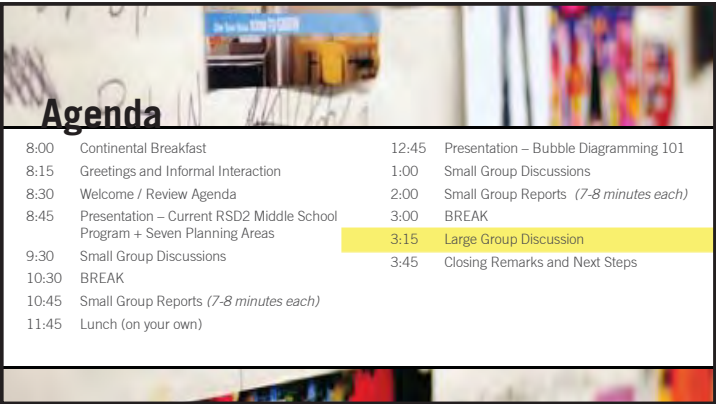
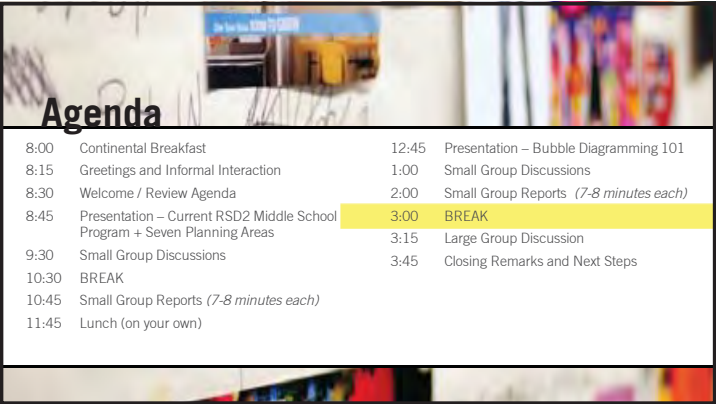
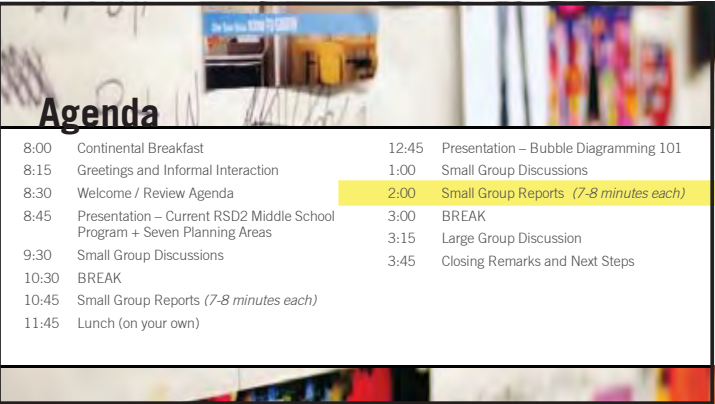
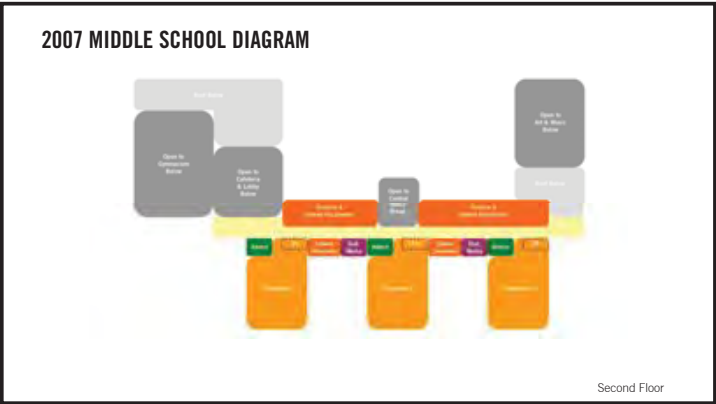
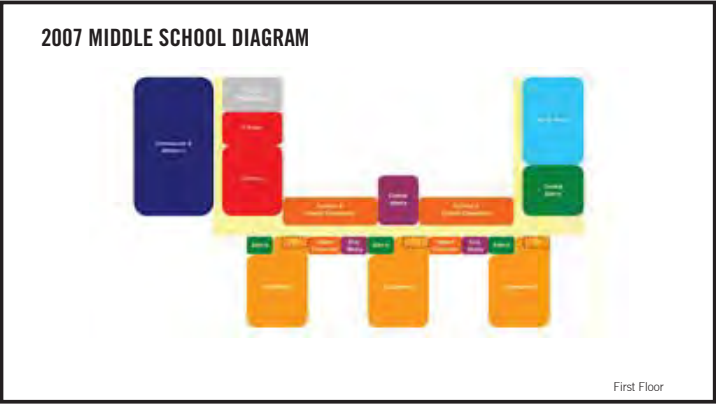
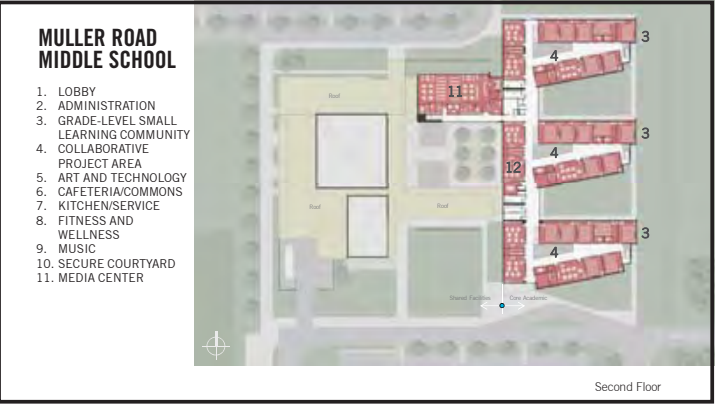
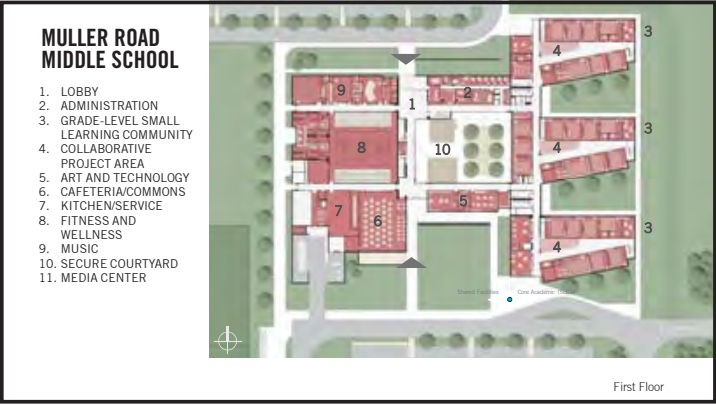
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11:45	Lunch (on your own)		

Your Task

1) Review the overall building diagram – how would you improve it? Or, how would you completely reimagine it?

- PLANNING AREAS
1. Student Learning Spaces
 2. Professional Spaces
 3. Community & Stakeholder Spaces
 4. Media Spaces
 5. Fitness and Wellness Spaces
 6. Visual and Performing Arts Spaces
 7. Facility Support Spaces



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agenda - day four

RSD2

29 June 2007

	Richland School District Two District-wide Programming Workshop Day 4 Elementary School Programming
8:00	Continental Breakfast
8:15	Greetings and informal interaction
8:30	Welcome and Review of Agenda - Steve Turckes
8:45	Presentation - Steve Turckes and Aimee Eckmann Current RSD2 Elementary School Program Seven Planning Areas
9:30	Small Group Discussions <i>Each group will review the existing space program for a planning area and discuss a series of questions relative to that area.</i>
10:30	Break
10:45	Small Group Reports <i>Small groups report out - 7-8 minutes each</i>
11:45	Lunch (on your own)
12:45	Presentation - Aimee Eckmann Bubble Diagramming 101
1:00	Small Group Discussions <i>Each group will conceptualize ideal planning diagrams for their planning area as well as how that area relates to the other planning areas.</i>
2:00	Small Group Reports <i>Small groups report out - 7-8 minutes each</i>
3:00	Break
3:15	Large Group Discussion <i>Common threads from small group discussions and finalization of total building diagram</i>
3:45	Closing Remarks

DISTRICT-WIDE PROGRAMMING/Planning Workshop
Day 4 - Elementary Schools

FACILITATORS:

Steve Turckes, *Architect, Perkins+Will*
Aimee Eckmann, *Architect, Perkins+Will*
Doug Quackenbush, *Architect, Quackenbush*

ATTENDEES:

Mary Paige Boyce, *Team Leader for CATE*
Jack Carter, *Chief Operations Officer*
Tom Cranmer, *Chief of IT*
Katinia Davis, *Chief Instructional Support Officer*
Marshalynn Franklin, *Asst. Superintendent*
Helen Grant, *Chief Diversity and Multicultural Inclusion Officer*
Nancy Gregory, *Chief Instructional Officer*
Harry Miley, *Chief Financial Officer*
Libby Roof, *Chief Communications Officer*
Donna Teuber, *Director of Innovation, IT*
Ed Watson, *Manger of New Construction and Design*
LeCinda Jennings
Cleveland Smith, *Administrative Services*
Shane Bagwell, *Asst. Principal, Lake Carolina Lower Elementary School*
Katie Barber, *Principal, Pontiac Elementary School*
Denise Barth, *Principal, Catawba Trail Elementary School*
Laurie Cannon, *Admin Asst, Lake Carolina Lower Elementary School*
Paula China, *Principal, Conder Elementary School*
Shelby Culp, *Admin Asst, Catawba Trail Elementary School*
Quinne Evans, *Director, Child Development Center*
Tracy Footman, *Principal, Bethel-Hanberry Elementary School*
Jennifer Germann, *Asst. Principal, North Springs Elementary School*
Brandy Hagood
David Holzendorf, *Principal, North Springs Elementary School*
Arthur Newton, *Director of Elementary Education*
Jeff Williams, *Principal, Lake Carolina Upper Elementary School*
Jessie Williams, *Asst. Principal, Bethel-Hanberry Elementary School*
Whitney Powell

WORKSHOP COLLATERAL: JUNE 29, 2017

RICHLAND SCHOOL DISTRICT TWO

ELEMENTARY SCHOOL PROGRAMMING/PLANNING WORKSHOP

June 29, 2017

PERKINS+WILL

QUACKENBUSH ARCHITECTS + PLANNERS

Agenda

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GUIDING PRINCIPLES - OUR RICHLAND 2 SCHOOL FACILITIES WILL BE:

- Safe and secure
- Student-centered
- Welcoming and supportive to the community
- Flexible and multi-use
- Cutting-edge, innovative and joyful
- Interdisciplinary and collaborative
- Supportive of personal pathways
- Accessible
- Inclusive
- Sustainable
- Reflective of health and wellness
- Cost-effective and efficient

GUIDING PRINCIPLES - OUR RICHLAND 2 SCHOOLS WILL SUPPORT:

Learning Learning is the cornerstone of our school system. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging.	Equity Equity is a building block of a great education. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging.
Character Character is a building block of a great education. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging.	Community Community is a building block of a great education. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging.
Wellness Wellness is a building block of a great education. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging.	Facilities Facilities are a building block of a great education. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging. We will ensure that all students have access to high-quality learning experiences that are relevant, engaging, and challenging.

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PLANNING AREAS

1. Student Learning Spaces
2. Professional Spaces
3. Community & Stakeholder Spaces
4. Media Spaces
5. Fitness and Wellness Spaces
6. Visual and Performing Arts Spaces
7. Facility Support Spaces

PLANNING AREAS

1. Student Learning Spaces

Typical Spaces

- Core Academic Classrooms
- Special Education
- Informal Teaching and Learning
- Small Group
- Student Storage (lockers? Cubbies?)
- Student Toilets
- Faculty Planning (overlap with Area 2)


PLANNING AREAS

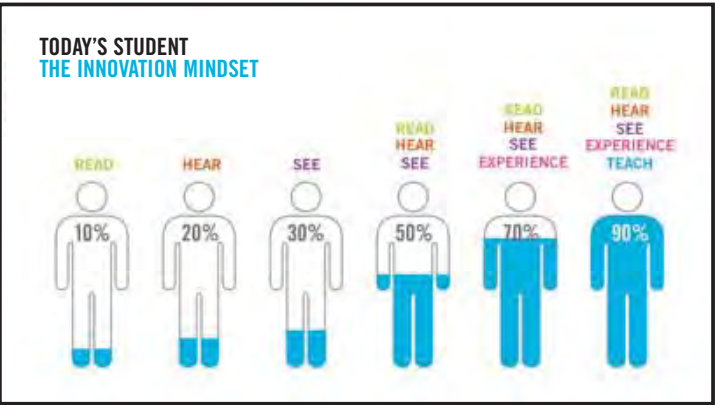
1. Student Learning Spaces

Important Concepts / Considerations

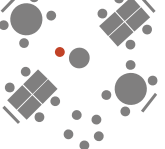
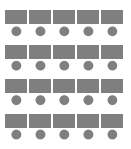
- Student-centered
- Flexibility and Agility
- Variety (size + type)
- Transparency
- Collaboration
- Display of Student Work (analogue and digital)
- Shared Use
- Integration of Teacher Planning

PLANNING AREAS

1. Student Learning Spaces



Change...

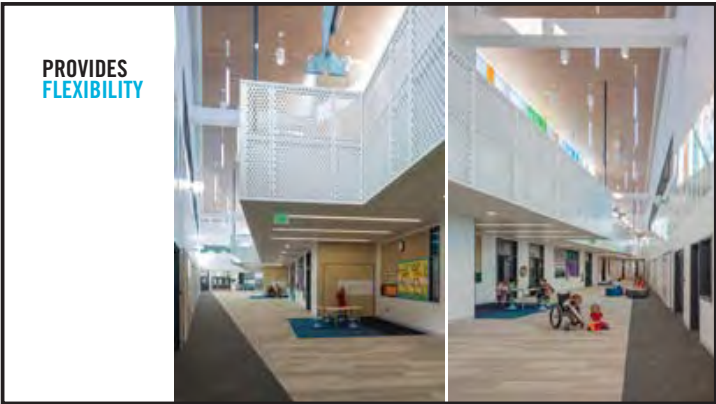


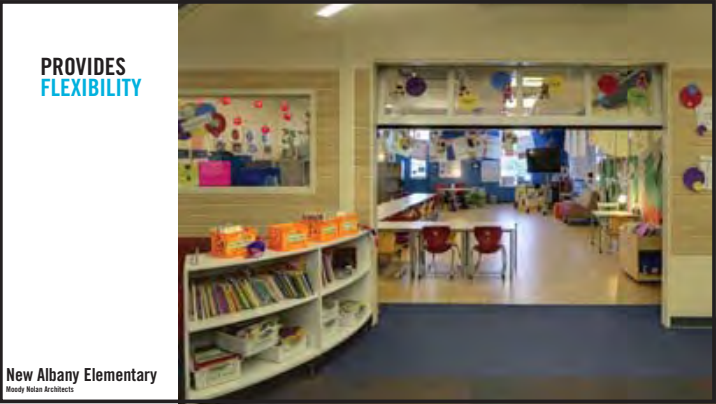
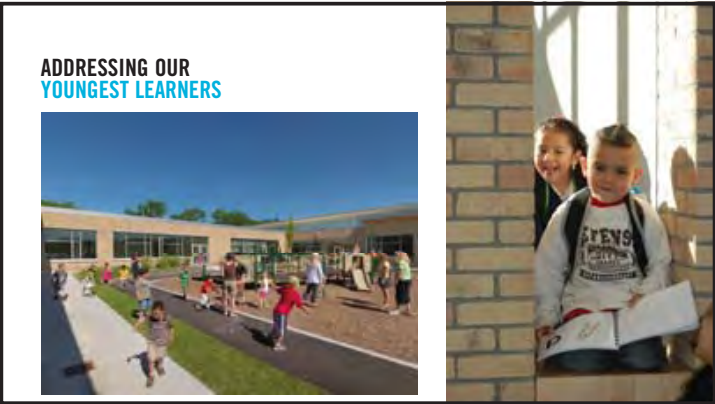
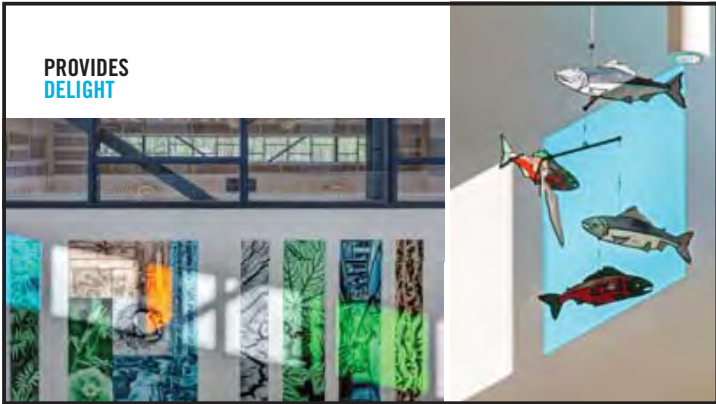
20th Century

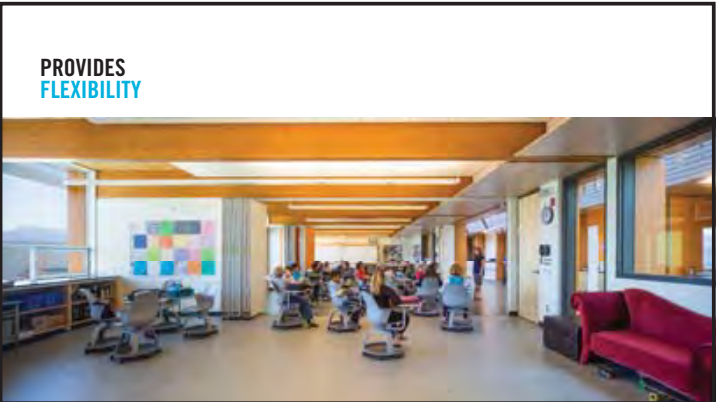
- Teacher-centered
- Passive learning
- Organized by age/subject
- Rote memorization
- Industrial efficiency

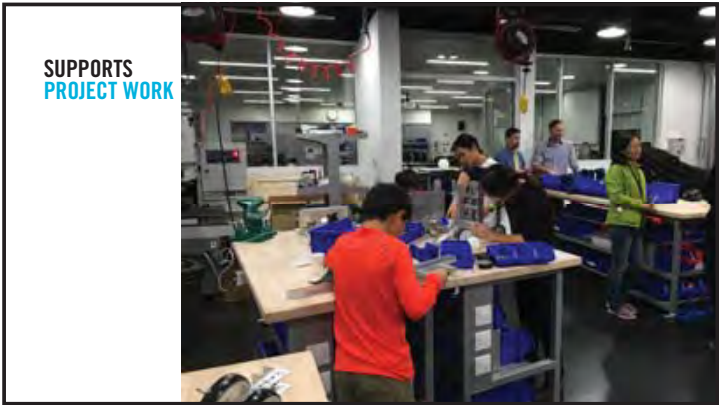
21st Century

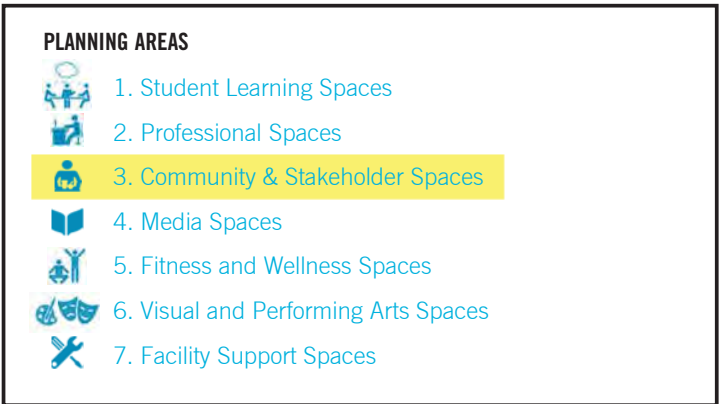
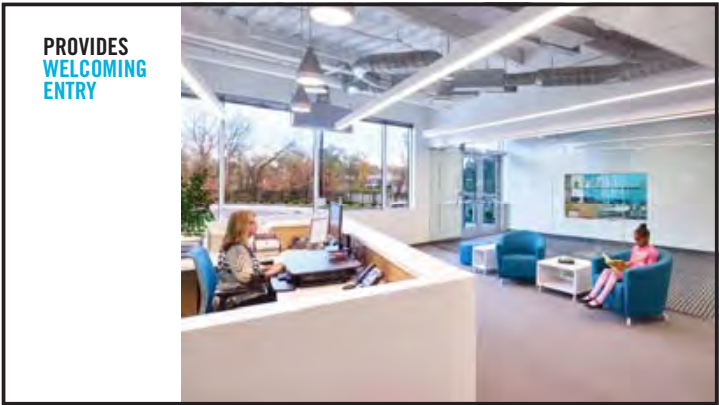
- Student-centered
- Active learning
- Multi-age learning communities
- Project based and experiential
- Students not tied to fixed location











1. Student Learning Spaces
2. Professional Spaces
3. Community & Stakeholder Spaces
4. Media Spaces
5. Fitness and Wellness Spaces
6. Visual and Performing Arts Spaces
7. Facility Support Spaces



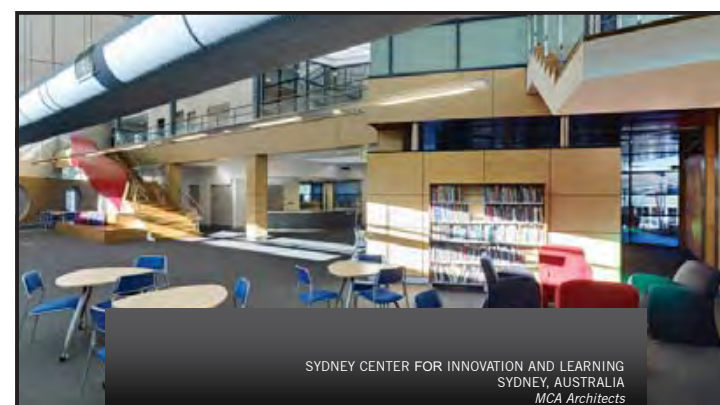
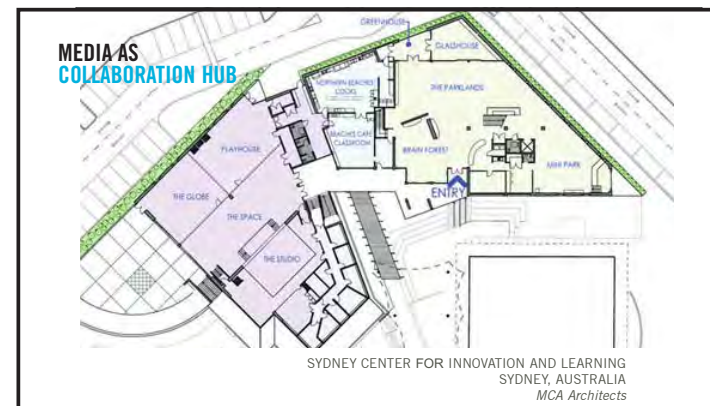
4. Media Spaces

Typical Spaces

- Media Center
- Media Support (work/office)
- Media Tech (video projection/editing)
- Maker Space?

Important Concepts / Considerations

- Active / Engaging
- Pivot from Consumption to Creation
- Location





PLANNING AREAS



1. Student Learning Spaces



2. Professional Spaces



3. Community & Stakeholder Spaces




4. Media Spaces



5. Fitness and Wellness Spaces



6. Visual and Performing Arts Spaces



7. Facility Support Spaces

PLANNING AREAS



5. Fitness and Wellness Spaces

Typical Spaces


- Gym
- Support Spaces (storage)
- Outdoor Play Areas

Important Concepts / Considerations


- Zoning for Evening and Weekend Use
- Proximity of Indoor to Outdoor Functions




PLANNING AREAS




1. Student Learning Spaces




2. Professional Spaces




3. Community & Stakeholder Spaces




4. Media Spaces



5. Fitness and Wellness Spaces




6. Visual and Performing Arts Spaces



7. Facility Support Spaces

PLANNING AREAS



6. Visual and Performing Arts

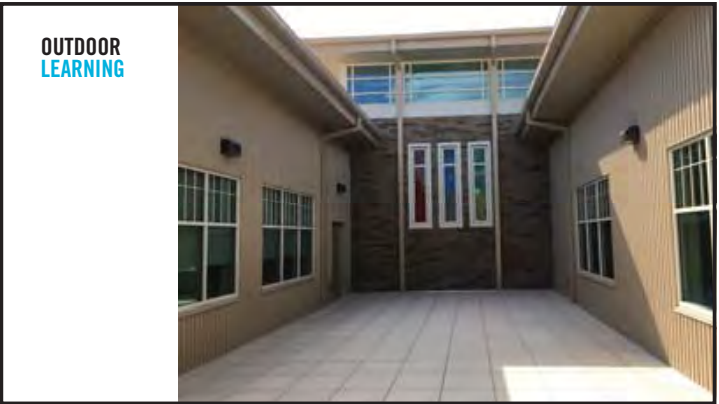
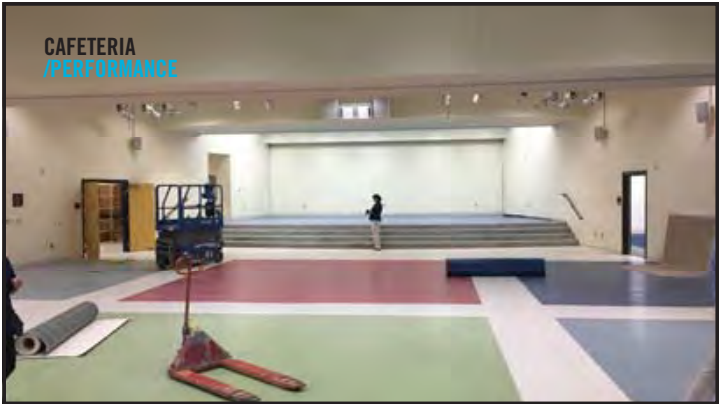
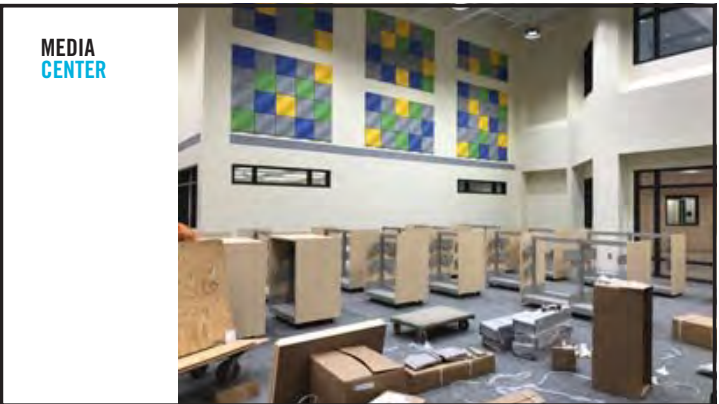
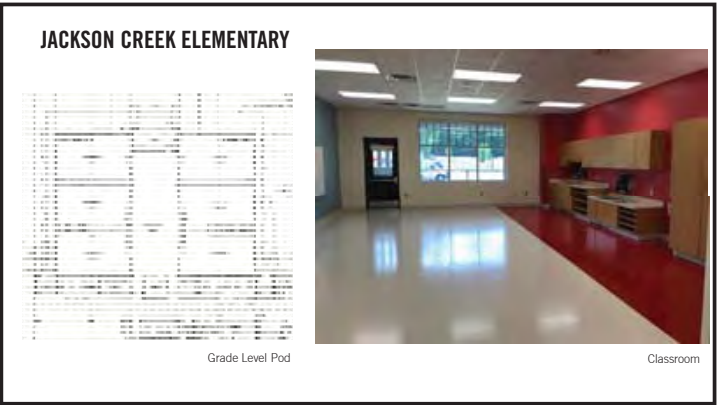
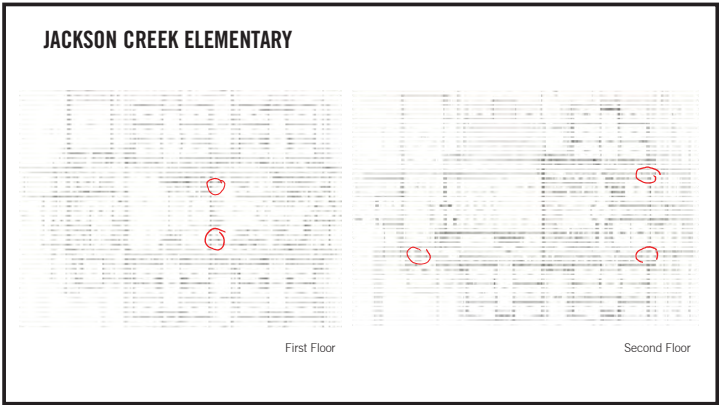
Typical Spaces

- Art + Kiln + Storage
- Music + Storage

Important Concepts / Considerations

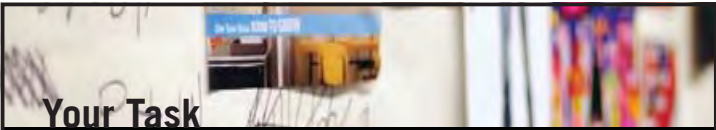
- Display of Student Work (analogue and digital)
- Proximity to Dining Commons and Stage (Music)





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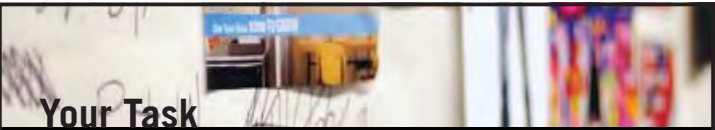


Your Task

1)Review spaces in your assigned planning area

- Are they the right spaces?
- How should they change?

Group 1	Group 2	Group 4	Group 5	Group 6
Jeff Williams Quinne Evans Arthur Newton Brandy Hagood	Whitney Jones Jo Lane Hall Shelby Culp Laurie Cannon	David Holzendorf Tracy Footman Cindy Symonds Shane Bagwell	Paula China Jessie Williams Dwayne Jones Lindsay Belville Rachel Lindman	Jennifer Germann Denise Barth Tammer Roberts Katie Barber








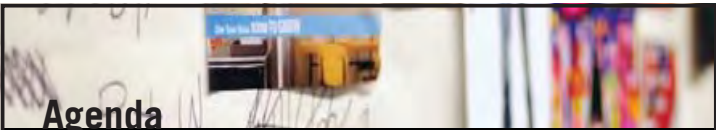
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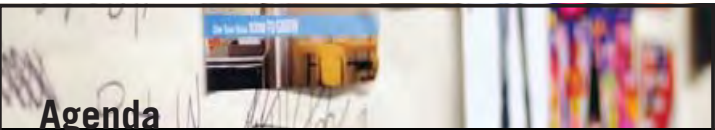
PLANNING AREAS

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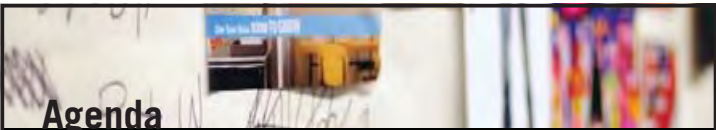
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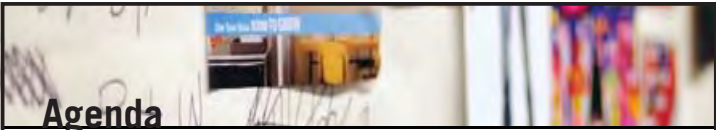
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DIAGRAMMING 101

from:
concept (idea)

↓

bubble diagrams

↓

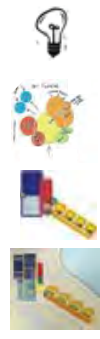
planning diagrams

↓

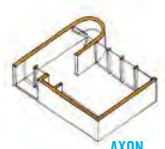
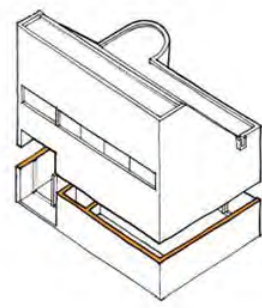
floor plans and sections

↓

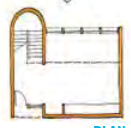
to details



PLAN VIEW



AXON
(AXONOMETRIC)



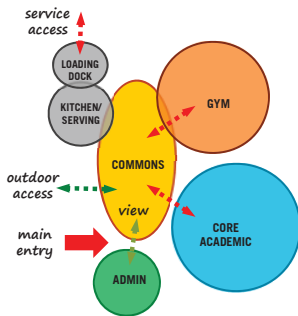
PLAN

HOW TO...
READ / DRAW A BUBBLE DIAGRAM

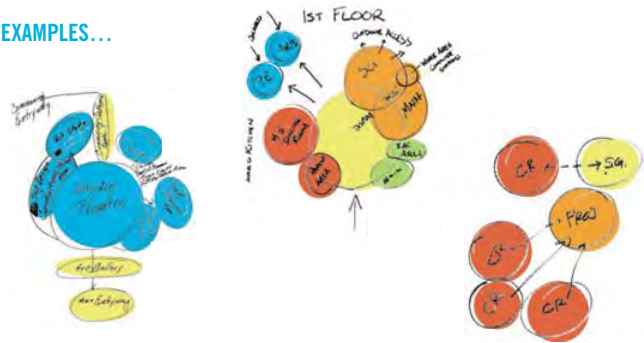
ADJACENCIES:
CLOSE TOGETHER = IMPORTANT
RELATIONSHIP TO ONE ANOTHER
(OVERLAPPING BUBBLES SIGNIFY
STRONG RELATIONSHIP)

ARROWS:
IMPORTANT CIRCULATION OR
VISUAL RELATIONSHIP

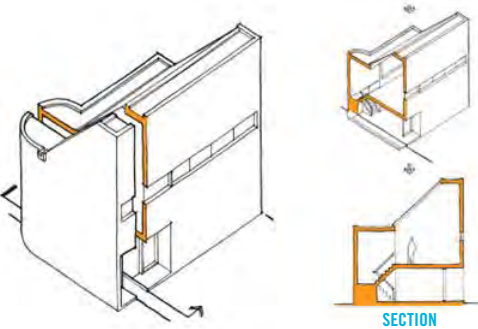
COLOR:
CAN HELP DIFFERENTIATE
TYPES OF SPACES



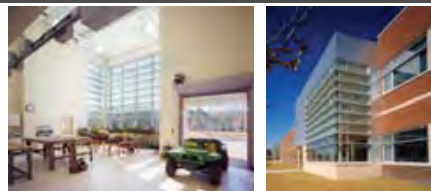
EXAMPLES...



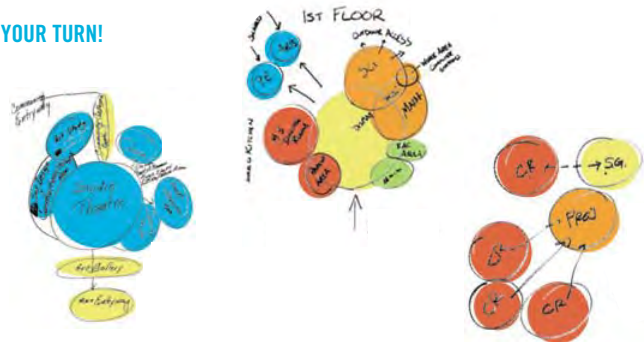
SECTION VIEW



SECTION DIAGRAM



YOUR TURN!



Agenda

8:00	Continental Breakfast	12:45	Presentation – Bubble Diagramming 101
8:15	Greetings and Informal Interaction	1:00	Small Group Discussions
8:30	Welcome / Review Agenda	2:00	Small Group Reports (7-8 minutes each)
8:45	Presentation – Current RSD2 Elementary Program + Seven Planning Areas	3:00	BREAK
9:30	Small Group Discussions	3:15	Large Group Discussion
10:30	BREAK	3:45	Closing Remarks and Next Steps
10:45	Small Group Reports (7-8 minutes each)		
11:45	Lunch (on your own)		

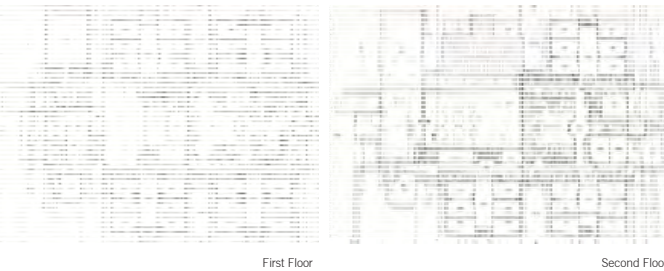
Your Task

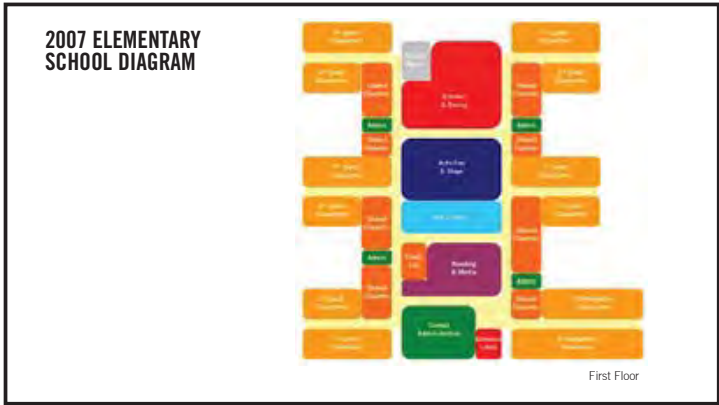
- 1) Diagram your planning area spaces to illustrate the desired/ideal relationship between those spaces.
- 2) Contemplate how your planning area would ideally relate to other the other planning areas and diagram the entire building.

PLANNING AREAS

1. Student Learning Spaces
2. Professional Spaces
3. Community & Stakeholder Spaces
4. Media Spaces
5. Fitness and Wellness Spaces
6. Visual and Performing Arts Spaces
7. Facility Support Spaces

JACKSON CREEK ELEMENTARY





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